

Attachment 3b: Flow Results (CalSim 3)

Appendix 4C

Attachment 3b: Flow Results (CalSim 3)

The following results of the CalSim 3 model are included for river flow conditions for the following scenarios:

- Baseline Conditions (082624)
- Proposed Project (082624)
- Alternative 1 (083024)
- Alternative 2 (083024)
- Alternative 3 (083024)

Title	Model Parameter	Table Numbers	Figure Numbers
Sacramento River Flow at Freeport	C_SAC048	4C-3-1-1a to 4C-3-1-4c	4C-3-1a to 4C-3-1r
Georgiana Slough Flow	C_SAC029B	4C-3-2-1a to 4C-3-2-4c	4C-3-2a to 4C-3-2r
Yolo Bypass Flow	C_YBP020	4C-3-3-1a to 4C-3-3-4c	4C-3-3a to 4C-3-3r
Sacramento River Flow at Rio Vista	C_SAC007	4C-3-4-1a to 4C-3-4-4c	4C-3-4a to 4C-3-4r
San Joaquin River at Vernalis	C_SJR070	4C-3-5-1a to 4C-3-5-4c	4C-3-5a to 4C-3-5r
San Joaquin River at Vernalis (60-20-20)	C_SJR070	4C-3-6-1a to 4C-3-6-4c	4C-3-6a to 4C-3-6f
Mokelumne River below Cosumnes	C_MOK019	4C-3-7-1a to 4C-3-7-4c	4C-3-7a to 4C-3-7r
Old and Middle River Flow	C_OMR014	4C-3-8-1a to 4C-3-8-4c	4C-3-8a to 4C-3-8r
Qwest	C_SJR013	4C-3-9-1a to 4C-3-9-4c	4C-3-9a to 4C-3-9r
Delta Outflow	NDOI	4C-3-10-1a to 4C-3-10-4c	4C-3-10a to 4C-3-10r

Report formats:

- Monthly tables comparing two scenarios (exceedance values, long-term average, and average by water year type).
- Monthly pattern charts (long-term average and average by water year type) including all scenarios.
- Monthly exceedance charts (all months) including all scenarios.

Table 4C-3-1-1a. Sacramento River Flow at Freeport, Baseline Conditions 082624, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	15,590	19,596	47,575	66,116	69,548	69,127	57,031	45,980	29,555	23,381	18,592	20,448
20% Exceedance	14,631	14,595	32,648	53,437	62,477	56,765	37,146	34,880	22,685	22,215	18,249	19,160
30% Exceedance	13,468	13,826	22,740	35,691	49,756	46,224	24,889	22,587	17,080	20,814	17,641	17,393
40% Exceedance	12,846	13,231	16,978	27,913	38,005	35,570	19,393	16,922	14,165	19,498	17,207	16,108
50% Exceedance	10,690	12,539	15,335	22,245	28,144	26,215	16,914	13,771	13,568	18,767	16,260	13,219
60% Exceedance	9,373	11,112	14,044	17,765	24,258	22,683	12,320	12,571	13,243	17,753	13,549	10,826
70% Exceedance	8,396	10,024	11,051	14,221	18,511	19,957	11,210	11,287	12,372	16,262	10,871	9,952
80% Exceedance	8,044	8,545	10,204	12,127	15,981	14,898	10,423	10,592	11,515	13,157	9,036	9,058
90% Exceedance	6,187	7,229	8,873	10,574	13,366	11,595	9,263	7,768	9,686	9,978	7,935	8,224
Full Simulation Period Average ^a	11,308	13,023	21,597	30,639	37,011	34,526	23,773	20,917	17,647	17,910	14,281	14,057
Wet Water Years (32%)	13,245	16,201	34,067	52,284	60,733	56,175	43,114	36,030	27,074	20,095	17,683	19,512
Above Normal Water Years (9%)	11,006	12,935	20,839	41,115	43,249	44,036	24,747	23,721	19,219	21,318	18,298	17,693
Below Normal Water Years (20%)	11,460	12,330	16,072	22,837	30,324	29,268	17,217	16,738	13,661	21,214	16,365	13,312
Dry Water Years (21%)	10,780	12,430	16,510	15,725	22,893	20,669	12,247	11,638	13,384	16,583	11,056	10,077
Critical Water Years (18%)	8,464	8,880	11,881	12,986	15,621	13,294	9,633	8,114	9,504	10,201	7,673	8,013

Table 4C-3-1-1b. Sacramento River Flow at Freeport, Proposed Project 082624, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	15,621	19,756	47,375	66,119	69,532	69,116	57,022	45,961	29,554	23,133	18,636	21,465
20% Exceedance	14,664	14,595	32,625	53,445	62,459	56,764	37,232	34,923	22,690	22,118	18,293	20,030
30% Exceedance	13,459	13,705	22,799	35,687	49,596	46,091	25,501	22,790	16,704	20,751	17,729	18,147
40% Exceedance	12,754	13,233	17,262	27,990	37,985	35,699	19,629	16,727	14,005	19,336	17,193	16,578
50% Exceedance	10,661	12,519	15,256	22,046	27,556	26,490	17,045	13,940	13,224	18,767	16,454	13,011
60% Exceedance	9,286	11,167	14,035	17,665	23,974	22,841	12,590	12,854	12,807	17,652	13,773	10,824
70% Exceedance	8,384	9,910	11,027	14,305	19,259	20,191	11,432	11,534	12,353	16,313	10,591	9,921
80% Exceedance	8,041	8,555	10,204	12,355	15,979	14,625	10,545	10,761	11,587	13,069	9,141	9,113
90% Exceedance	6,233	7,632	8,953	10,484	13,328	11,837	9,530	7,759	9,698	10,012	7,898	8,219
Full Simulation Period Average ^a	11,284	13,004	21,597	30,622	36,946	34,632	23,932	20,998	17,565	17,822	14,337	14,346
Wet Water Years (32%)	13,157	16,166	34,106	52,280	60,704	56,174	43,115	36,028	27,082	20,058	17,743	20,322
Above Normal Water Years (9%)	10,922	12,825	20,821	41,092	43,198	44,296	24,926	23,920	19,221	21,289	18,111	19,287
Below Normal Water Years (20%)	11,338	12,302	16,165	22,756	30,260	29,512	17,648	16,701	13,559	20,776	16,754	12,753
Dry Water Years (21%)	10,922	12,457	16,405	15,753	22,731	20,883	12,532	11,965	13,007	16,671	10,964	10,088
Critical Water Years (18%)	8,499	8,891	11,839	12,972	15,599	13,235	9,616	8,128	9,589	10,174	7,644	7,991

Table 4C-3-1-1c. Sacramento River Flow at Freeport, Proposed Project 082624 minus Baseline Conditions 082624, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	31	160	-199	3	-16	-12	-9	-19	-1	-248	45	1,017
20% Exceedance	33	0	-23	7	-18	-1	86	43	5	-97	44	870
30% Exceedance	-9	-121	59	-4	-160	-132	611	204	-376	-63	88	754
40% Exceedance	-92	1	284	76	-20	129	236	-195	-160	-162	-14	469
50% Exceedance	-29	-20	-78	-199	-588	275	131	169	-345	0	194	-208
60% Exceedance	-87	55	-9	-101	-283	159	270	283	-436	-101	223	-2
70% Exceedance	-12	-114	-24	84	747	234	222	247	-19	51	-280	-32
80% Exceedance	-3	10	0	228	-2	-273	123	168	72	-87	105	54
90% Exceedance	45	403	80	-91	-39	242	267	-9	11	34	-37	-5
Full Simulation Period Average ^a	-24	-19	0	-17	-65	106	159	81	-82	-89	56	289
Wet Water Years (32%)	-88	-35	39	-5	-28	-1	1	-2	8	-37	60	810
Above Normal Water Years (9%)	-84	-110	-18	-23	-52	260	180	199	1	-29	-187	1,593
Below Normal Water Years (20%)	-122	-28	94	-82	-64	244	430	-37	-102	-439	390	-559
Dry Water Years (21%)	143	27	-105	28	-162	213	285	327	-378	88	-92	11
Critical Water Years (18%)	35	11	-42	-15	-22	-59	-17	14	85	-27	-29	-23

^a Based on the 100-year simulation period.

* All scenarios are simulated at current climate condition and 0 cm sea level rise.

* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with water year - year type sorting.

Table 4C-3-1-2a. Sacramento River Flow at Freeport, Baseline Conditions 082624, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	15,590	19,596	47,575	66,116	69,548	69,127	57,031	45,980	29,555	23,381	18,592	20,448
20% Exceedance	14,631	14,595	32,648	53,437	62,477	56,765	37,146	34,880	22,685	22,215	18,249	19,160
30% Exceedance	13,468	13,826	22,740	35,691	49,756	46,224	24,889	22,587	17,080	20,814	17,641	17,393
40% Exceedance	12,846	13,231	16,978	27,913	38,005	35,570	19,393	16,922	14,165	19,498	17,207	16,108
50% Exceedance	10,690	12,539	15,335	22,245	28,144	26,215	16,914	13,771	13,568	18,767	16,260	13,219
60% Exceedance	9,373	11,112	14,044	17,765	24,258	22,683	12,320	12,571	13,243	17,753	13,549	10,826
70% Exceedance	8,396	10,024	11,051	14,221	18,511	19,957	11,210	11,287	12,372	16,262	10,871	9,952
80% Exceedance	8,044	8,545	10,204	12,127	15,981	14,898	10,423	10,592	11,515	13,157	9,036	9,058
90% Exceedance	6,187	7,229	8,873	10,574	13,366	11,595	9,263	7,768	9,686	9,978	7,935	8,224
Full Simulation Period Average ^a	11,308	13,023	21,597	30,639	37,011	34,526	23,773	20,917	17,647	17,910	14,281	14,057
Wet Water Years (32%)	13,245	16,201	34,067	52,284	60,733	56,175	43,114	36,030	27,074	20,095	17,683	19,512
Above Normal Water Years (9%)	11,006	12,935	20,839	41,115	43,249	44,036	24,747	23,721	19,219	21,318	18,298	17,693
Below Normal Water Years (20%)	11,460	12,330	16,072	22,837	30,324	29,268	17,217	16,738	13,661	21,214	16,365	13,312
Dry Water Years (21%)	10,780	12,430	16,510	15,725	22,893	20,669	12,247	11,638	13,384	16,583	11,056	10,077
Critical Water Years (18%)	8,464	8,880	11,881	12,986	15,621	13,294	9,633	8,114	9,504	10,201	7,673	8,013

Table 4C-3-1-2b. Sacramento River Flow at Freeport, Alternative 1 083024, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	15,621	19,781	47,378	66,120	69,531	69,115	57,021	45,970	29,554	23,133	18,656	21,465
20% Exceedance	14,660	14,595	32,627	53,445	62,467	56,764	37,169	34,940	22,692	22,100	18,313	20,029
30% Exceedance	13,465	13,704	22,808	35,689	49,595	46,031	25,080	23,400	16,704	20,727	17,770	18,147
40% Exceedance	12,754	13,232	17,052	27,992	37,984	35,498	19,387	16,992	14,008	19,249	17,164	16,578
50% Exceedance	10,672	12,521	15,175	22,256	27,556	26,332	16,913	14,516	13,224	18,768	16,427	12,998
60% Exceedance	9,349	11,167	13,849	17,659	23,975	22,678	12,234	13,208	12,807	17,621	13,773	10,822
70% Exceedance	8,384	9,910	11,024	14,306	19,217	19,956	11,188	12,094	12,351	16,311	10,621	9,920
80% Exceedance	8,041	8,554	10,200	12,355	15,980	14,571	10,501	11,369	11,587	13,076	9,139	9,113
90% Exceedance	6,273	7,634	8,943	10,483	13,328	11,594	9,247	7,759	9,697	10,227	7,900	8,218
Full Simulation Period Average ^a	11,296	13,014	21,572	30,629	36,955	34,498	23,770	21,292	17,569	17,809	14,332	14,348
Wet Water Years (32%)	13,161	16,179	34,083	52,286	60,717	56,178	43,117	36,029	27,083	20,057	17,742	20,323
Above Normal Water Years (9%)	10,922	12,854	20,783	41,092	43,234	43,881	24,703	24,528	19,220	21,265	18,128	19,258
Below Normal Water Years (20%)	11,346	12,318	16,100	22,784	30,267	29,310	17,227	17,314	13,561	20,688	16,745	12,744
Dry Water Years (21%)	10,935	12,468	16,397	15,748	22,730	20,610	12,251	12,519	13,008	16,657	10,970	10,079
Critical Water Years (18%)	8,533	8,877	11,842	12,973	15,598	13,234	9,615	8,132	9,607	10,229	7,613	8,034

Table 4C-3-1-2c. Sacramento River Flow at Freeport, Alternative 1 083024 minus Baseline Conditions 082624, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	31	185	-197	3	-16	-12	-10	-10	-1	-248	65	1,017
20% Exceedance	30	-1	-21	7	-10	-1	22	61	7	-115	64	870
30% Exceedance	-3	-121	68	-2	-162	-192	191	813	-376	-87	129	754
40% Exceedance	-93	1	74	79	-21	-72	-6	70	-157	-249	-44	470
50% Exceedance	-17	-18	-159	11	-589	117	0	745	-345	1	167	-221
60% Exceedance	-24	55	-195	-106	-283	-5	-85	637	-436	-132	223	-4
70% Exceedance	-12	-114	-27	84	705	-1	-22	808	-21	49	-250	-32
80% Exceedance	-3	10	-4	228	-1	-328	79	777	72	-81	103	54
90% Exceedance	86	405	71	-92	-39	-1	-15	-9	11	248	-36	-6
Full Simulation Period Average ^a	-12	-10	-25	-10	-56	-28	-3	376	-78	-102	51	291
Wet Water Years (32%)	-84	-22	16	1	-16	4	3	-1	9	-38	59	810
Above Normal Water Years (9%)	-84	-81	-55	-24	-15	-155	-43	807	0	-53	-170	1,564
Below Normal Water Years (20%)	-114	-13	28	-53	-57	42	10	576	-100	-526	381	-567
Dry Water Years (21%)	156	37	-112	23	-163	-60	4	881	-377	74	-85	2
Critical Water Years (18%)	69	-4	-39	-13	-23	-60	-18	18	103	28	-60	20

^a Based on the 100-year simulation period.

* All scenarios are simulated at current climate condition and 0 cm sea level rise.

* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with water year - year type sorting.

Table 4C-3-1-3a. Sacramento River Flow at Freeport, Baseline Conditions 082624, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	15,590	19,596	47,575	66,116	69,548	69,127	57,031	45,980	29,555	23,381	18,592	20,448
20% Exceedance	14,631	14,595	32,648	53,437	62,477	56,765	37,146	34,880	22,685	22,215	18,249	19,160
30% Exceedance	13,468	13,826	22,740	35,691	49,756	46,224	24,889	22,587	17,080	20,814	17,641	17,393
40% Exceedance	12,846	13,231	16,978	27,913	38,005	35,570	19,393	16,922	14,165	19,498	17,207	16,108
50% Exceedance	10,690	12,539	15,335	22,245	28,144	26,215	16,914	13,771	13,568	18,767	16,260	13,219
60% Exceedance	9,373	11,112	14,044	17,765	24,258	22,683	12,320	12,571	13,243	17,753	13,549	10,826
70% Exceedance	8,396	10,024	11,051	14,221	18,511	19,957	11,210	11,287	12,372	16,262	10,871	9,952
80% Exceedance	8,044	8,545	10,204	12,127	15,981	14,898	10,423	10,592	11,515	13,157	9,036	9,058
90% Exceedance	6,187	7,229	8,873	10,574	13,366	11,595	9,263	7,768	9,686	9,978	7,935	8,224
Full Simulation Period Average ^a	11,308	13,023	21,597	30,639	37,011	34,526	23,773	20,917	17,647	17,910	14,281	14,057
Wet Water Years (32%)	13,245	16,201	34,067	52,284	60,733	56,175	43,114	36,030	27,074	20,095	17,683	19,512
Above Normal Water Years (9%)	11,006	12,935	20,839	41,115	43,249	44,036	24,747	23,721	19,219	21,318	18,298	17,693
Below Normal Water Years (20%)	11,460	12,330	16,072	22,837	30,324	29,268	17,217	16,738	13,661	21,214	16,365	13,312
Dry Water Years (21%)	10,780	12,430	16,510	15,725	22,893	20,669	12,247	11,638	13,384	16,583	11,056	10,077
Critical Water Years (18%)	8,464	8,880	11,881	12,986	15,621	13,294	9,633	8,114	9,504	10,201	7,673	8,013

Table 4C-3-1-3b. Sacramento River Flow at Freeport, Alternative 2 083024, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	15,621	19,754	47,751	66,120	69,531	69,115	57,022	45,970	29,554	23,133	18,657	21,465
20% Exceedance	14,664	14,595	32,626	53,445	62,467	56,764	37,168	34,940	22,690	22,099	18,313	20,029
30% Exceedance	13,465	13,704	22,805	35,689	49,594	46,030	25,080	23,400	16,704	20,727	17,723	18,146
40% Exceedance	12,753	13,232	17,262	27,991	37,984	35,497	19,387	16,992	14,009	19,252	17,163	16,577
50% Exceedance	10,672	12,521	15,261	22,046	27,556	25,741	16,913	14,516	13,224	18,843	16,469	13,023
60% Exceedance	9,349	11,167	14,037	17,659	23,976	22,678	12,234	13,181	12,807	17,615	13,772	10,821
70% Exceedance	8,384	9,910	11,024	14,305	19,210	19,955	11,188	12,095	12,351	16,311	10,613	9,920
80% Exceedance	8,041	8,514	10,200	12,354	15,980	14,571	10,503	11,369	11,587	13,074	9,139	9,115
90% Exceedance	6,275	7,634	8,932	10,483	13,328	11,593	9,248	7,759	9,697	10,227	7,904	8,219
Full Simulation Period Average ^a	11,294	12,999	21,599	30,614	36,946	34,486	23,774	21,292	17,569	17,820	14,334	14,352
Wet Water Years (32%)	13,157	16,168	34,120	52,283	60,708	56,176	43,115	36,028	27,082	20,057	17,742	20,321
Above Normal Water Years (9%)	10,922	12,849	20,827	41,092	43,199	43,885	24,711	24,529	19,220	21,265	18,091	19,293
Below Normal Water Years (20%)	11,344	12,317	16,168	22,748	30,256	29,309	17,227	17,314	13,561	20,687	16,749	12,752
Dry Water Years (21%)	10,931	12,427	16,389	15,719	22,725	20,553	12,270	12,517	13,008	16,694	10,990	10,080
Critical Water Years (18%)	8,533	8,866	11,838	12,971	15,598	13,234	9,616	8,132	9,607	10,249	7,617	8,036

Table 4C-3-1-3c. Sacramento River Flow at Freeport, Alternative 2 083024 minus Baseline Conditions 082624, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	31	157	176	3	-16	-12	-9	-10	-1	-248	65	1,017
20% Exceedance	33	0	-22	7	-10	-2	21	60	5	-115	64	870
30% Exceedance	-4	-121	65	-2	-162	-194	190	813	-376	-87	82	753
40% Exceedance	-93	1	284	78	-21	-73	-6	70	-157	-247	-44	468
50% Exceedance	-18	-18	-74	-199	-589	-475	0	745	-345	76	209	-196
60% Exceedance	-24	55	-7	-106	-282	-5	-85	610	-436	-138	222	-5
70% Exceedance	-12	-114	-27	83	698	-2	-22	808	-21	49	-258	-32
80% Exceedance	-3	-31	-4	227	-1	-328	80	777	72	-83	103	56
90% Exceedance	88	405	59	-91	-39	-2	-15	-9	11	249	-31	-5
Full Simulation Period Average ^a	-15	-24	2	-24	-65	-40	1	375	-78	-90	53	295
Wet Water Years (32%)	-88	-33	54	-1	-24	2	1	-2	8	-38	59	809
Above Normal Water Years (9%)	-84	-86	-12	-23	-51	-151	-36	808	0	-53	-207	1,600
Below Normal Water Years (20%)	-115	-14	97	-89	-68	41	10	576	-101	-527	384	-560
Dry Water Years (21%)	151	-3	-121	-6	-168	-117	23	879	-376	111	-66	3
Critical Water Years (18%)	69	-15	-43	-15	-23	-60	-17	19	103	48	-56	22

^a Based on the 100-year simulation period.

* All scenarios are simulated at current climate condition and 0 cm sea level rise.

* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with water year - year type sorting.

Table 4C-3-1-4a. Sacramento River Flow at Freeport, Baseline Conditions 082624, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	15,590	19,596	47,575	66,116	69,548	69,127	57,031	45,980	29,555	23,381	18,592	20,448
20% Exceedance	14,631	14,595	32,648	53,437	62,477	56,765	37,146	34,880	22,685	22,215	18,249	19,160
30% Exceedance	13,468	13,826	22,740	35,691	49,756	46,224	24,889	22,587	17,080	20,814	17,641	17,393
40% Exceedance	12,846	13,231	16,978	27,913	38,005	35,570	19,393	16,922	14,165	19,498	17,207	16,108
50% Exceedance	10,690	12,539	15,335	22,245	28,144	26,215	16,914	13,771	13,568	18,767	16,260	13,219
60% Exceedance	9,373	11,112	14,044	17,765	24,258	22,683	12,320	12,571	13,243	17,753	13,549	10,826
70% Exceedance	8,396	10,024	11,051	14,221	18,511	19,957	11,210	11,287	12,372	16,262	10,871	9,952
80% Exceedance	8,044	8,545	10,204	12,127	15,981	14,898	10,423	10,592	11,515	13,157	9,036	9,058
90% Exceedance	6,187	7,229	8,873	10,574	13,366	11,595	9,263	7,768	9,686	9,978	7,935	8,224
Full Simulation Period Average ^a	11,308	13,023	21,597	30,639	37,011	34,526	23,773	20,917	17,647	17,910	14,281	14,057
Wet Water Years (32%)	13,245	16,201	34,067	52,284	60,733	56,175	43,114	36,030	27,074	20,095	17,683	19,512
Above Normal Water Years (9%)	11,006	12,935	20,839	41,115	43,249	44,036	24,747	23,721	19,219	21,318	18,298	17,693
Below Normal Water Years (20%)	11,460	12,330	16,072	22,837	30,324	29,268	17,217	16,738	13,661	21,214	16,365	13,312
Dry Water Years (21%)	10,780	12,430	16,510	15,725	22,893	20,669	12,247	11,638	13,384	16,583	11,056	10,077
Critical Water Years (18%)	8,464	8,880	11,881	12,986	15,621	13,294	9,633	8,114	9,504	10,201	7,673	8,013

Table 4C-3-1-4b. Sacramento River Flow at Freeport, Alternative 3 083024, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	15,621	19,783	47,375	66,119	69,532	69,116	57,022	45,961	29,554	23,133	18,638	21,465
20% Exceedance	14,662	14,595	32,626	53,445	62,458	56,764	37,235	34,923	22,692	22,118	18,293	20,030
30% Exceedance	13,460	13,705	22,804	35,687	49,597	46,091	25,501	22,791	16,704	20,751	17,792	18,149
40% Exceedance	12,754	13,199	17,052	27,988	37,985	35,699	19,629	16,727	14,005	19,316	17,194	16,578
50% Exceedance	10,661	12,521	15,184	22,257	27,556	26,490	17,045	13,940	13,224	18,768	16,416	13,001
60% Exceedance	9,286	11,206	13,851	17,666	23,974	22,841	12,590	12,854	12,807	17,649	13,774	10,824
70% Exceedance	8,384	9,910	11,026	14,307	19,251	20,191	11,431	11,534	12,396	16,313	10,594	9,921
80% Exceedance	8,041	8,555	10,204	12,355	15,979	14,625	10,545	10,760	11,587	13,073	9,141	9,113
90% Exceedance	6,228	7,634	8,953	10,484	13,328	11,838	9,527	7,759	9,698	10,020	7,898	8,219
Full Simulation Period Average ^a	11,288	13,011	21,570	30,628	36,953	34,634	23,932	20,998	17,568	17,822	14,340	14,346
Wet Water Years (32%)	13,162	16,182	34,084	52,281	60,712	56,176	43,116	36,030	27,083	20,059	17,743	20,322
Above Normal Water Years (9%)	10,921	12,842	20,777	41,092	43,233	44,292	24,922	23,920	19,221	21,289	18,147	19,251
Below Normal Water Years (20%)	11,340	12,303	16,096	22,786	30,269	29,513	17,648	16,701	13,559	20,778	16,753	12,766
Dry Water Years (21%)	10,935	12,460	16,397	15,751	22,731	20,884	12,531	11,966	13,007	16,663	10,963	10,088
Critical Water Years (18%)	8,497	8,886	11,839	12,969	15,594	13,239	9,615	8,127	9,603	10,181	7,642	7,989

Table 4C-3-1-4c. Sacramento River Flow at Freeport, Alternative 3 083024 minus Baseline Conditions 082624, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	31	187	-199	3	-16	-12	-9	-19	0	-248	46	1,017
20% Exceedance	31	0	-22	7	-18	-1	89	44	7	-96	45	870
30% Exceedance	-8	-121	64	-4	-159	-132	611	204	-376	-63	151	756
40% Exceedance	-92	-32	74	75	-20	129	236	-195	-161	-183	-14	469
50% Exceedance	-29	-18	-150	12	-589	275	132	169	-345	1	156	-219
60% Exceedance	-88	94	-193	-100	-284	158	270	283	-436	-103	224	-2
70% Exceedance	-12	-114	-25	86	740	235	221	247	24	51	-277	-32
80% Exceedance	-3	10	0	228	-2	-273	122	168	72	-84	105	54
90% Exceedance	41	405	80	-91	-39	243	265	-9	11	41	-38	-6
Full Simulation Period Average ^a	-20	-13	-27	-11	-58	108	159	82	-79	-88	58	288
Wet Water Years (32%)	-84	-19	17	-3	-20	1	2	0	9	-36	60	810
Above Normal Water Years (9%)	-85	-93	-62	-24	-16	256	175	198	1	-29	-151	1,558
Below Normal Water Years (20%)	-120	-28	24	-52	-55	246	431	-37	-102	-437	388	-546
Dry Water Years (21%)	155	29	-113	26	-162	214	284	328	-378	80	-93	11
Critical Water Years (18%)	33	6	-42	-17	-27	-55	-18	14	99	-20	-30	-24

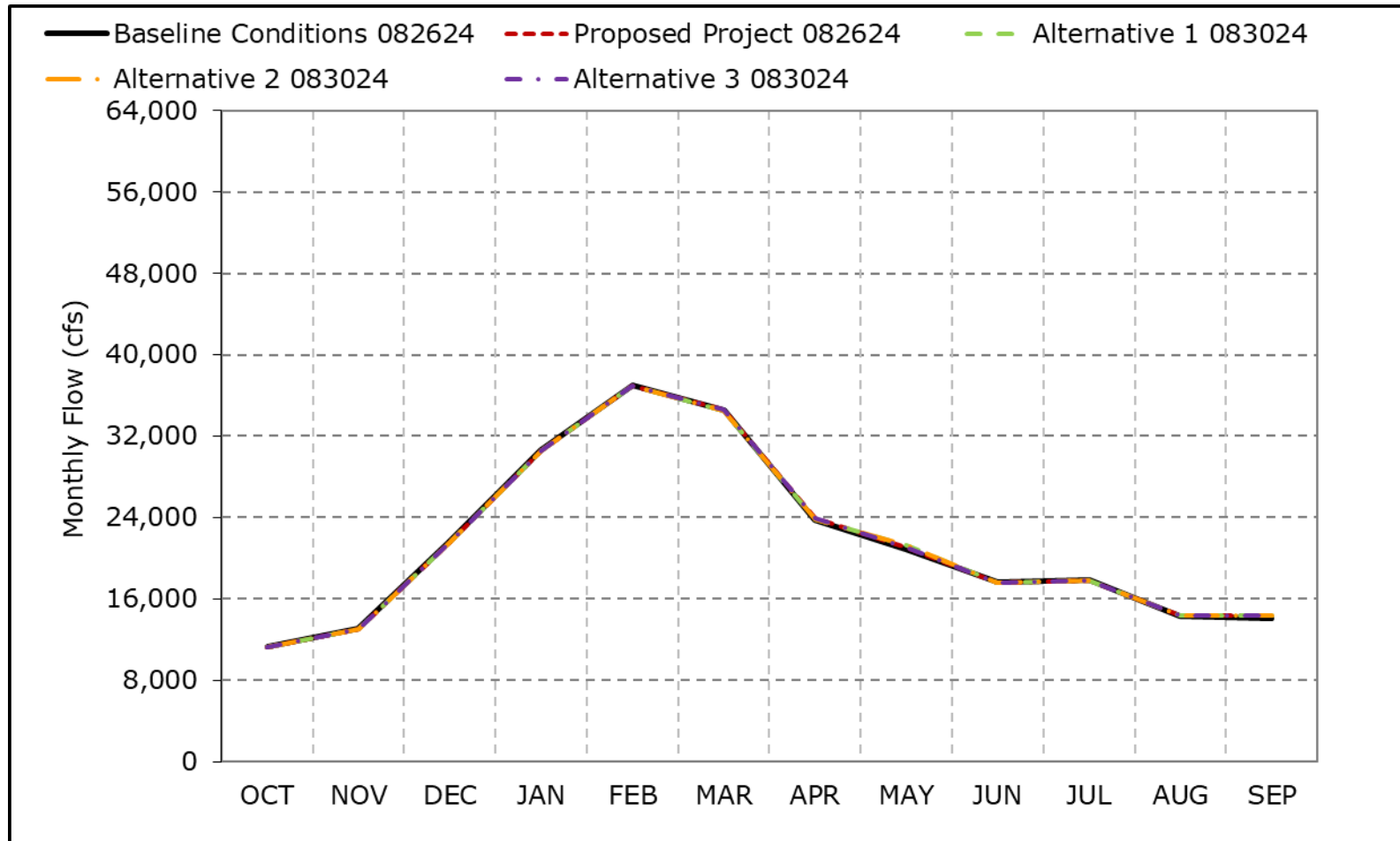
^a Based on the 100-year simulation period.

* All scenarios are simulated at current climate condition and 0 cm sea level rise.

* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with water year - year type sorting.

Figure 4C-3-1a. Sacramento River Flow at Freeport, Long-Term Average Flow

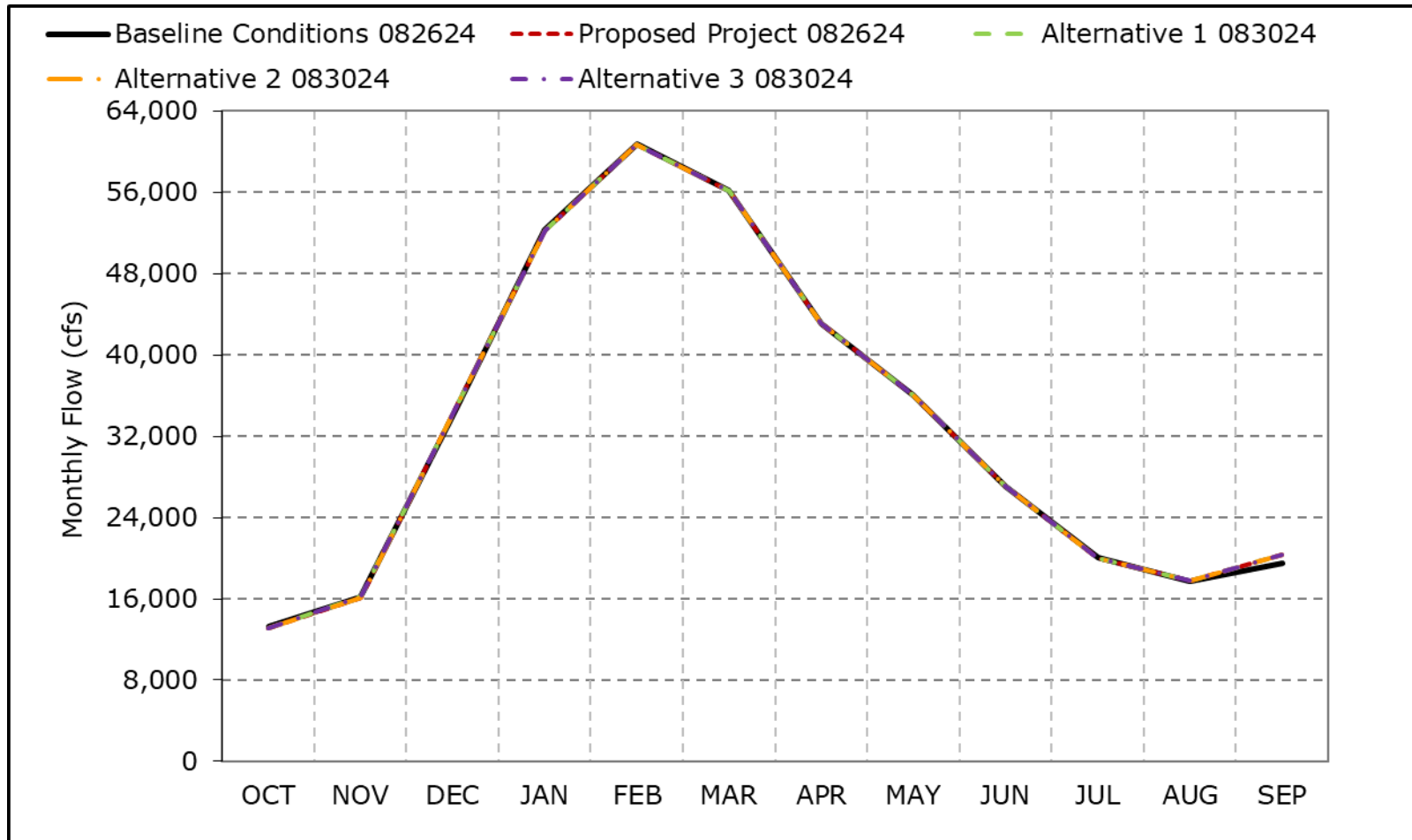


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with water year - year type sorting.

*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-3-1b. Sacramento River Flow at Freeport, Wet Year Average Flow

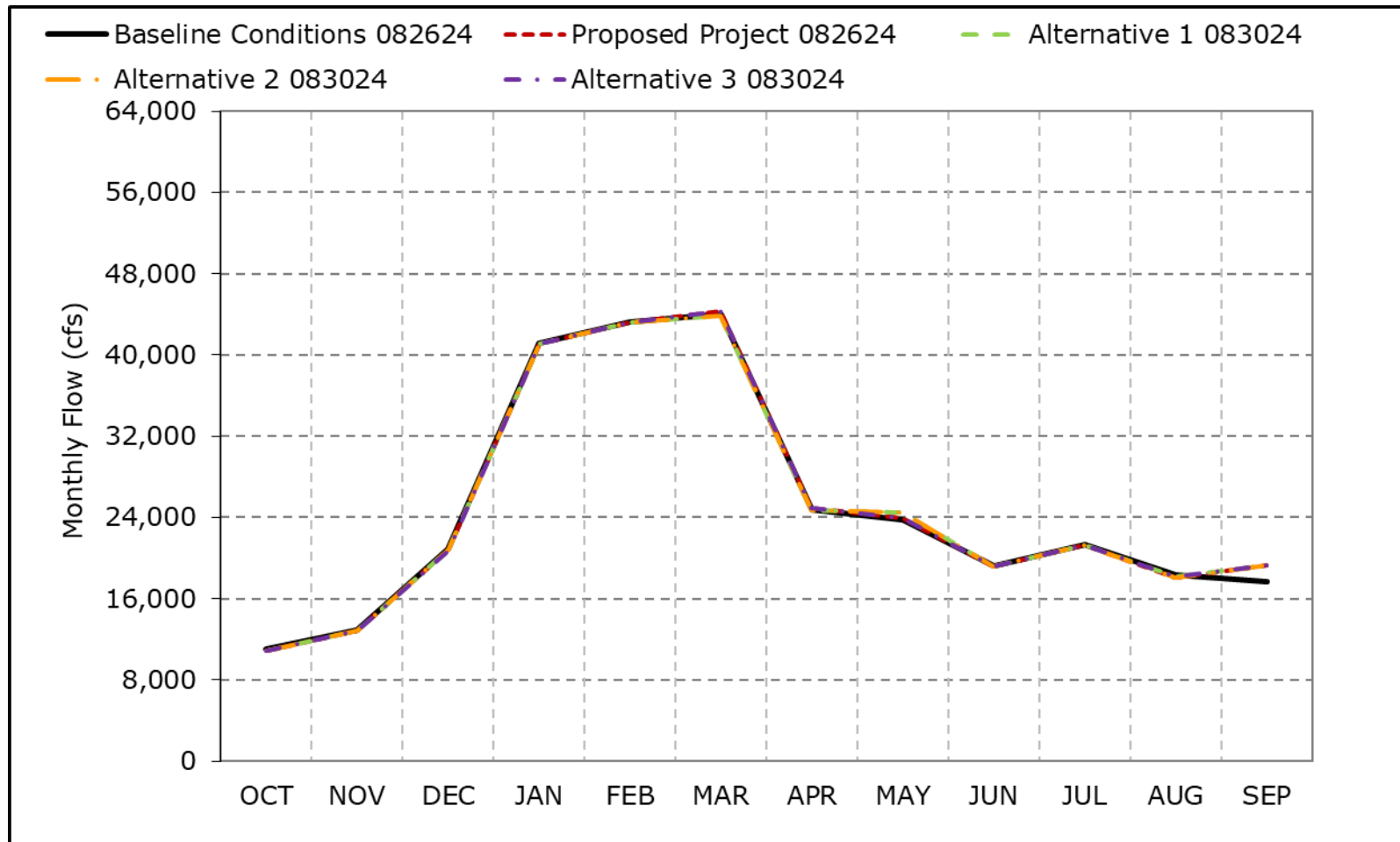


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with water year - year type sorting.

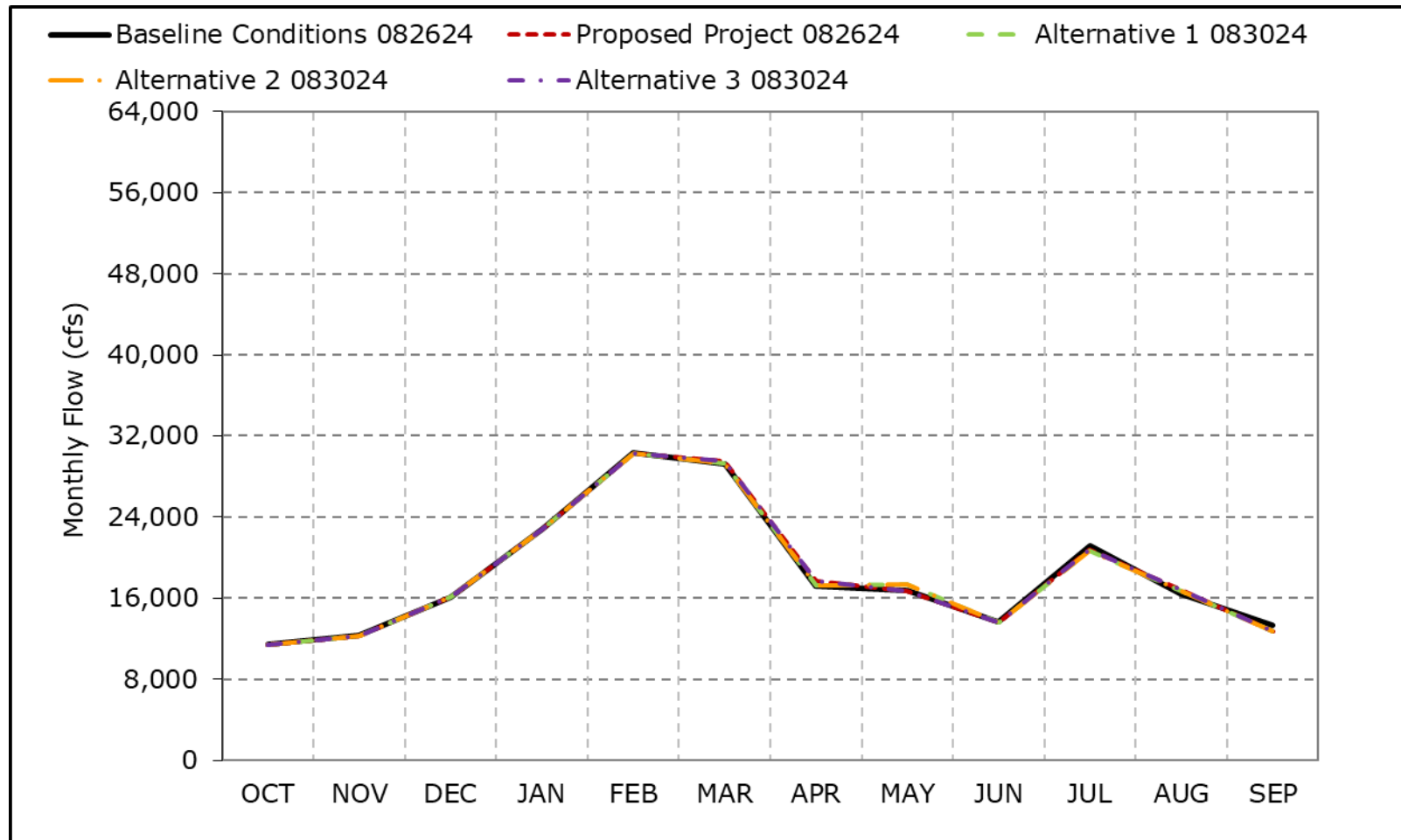
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-3-1c. Sacramento River Flow at Freeport, Above Normal Year Average Flow



*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-3-1d. Sacramento River Flow at Freeport, Below Normal Year Average Flow

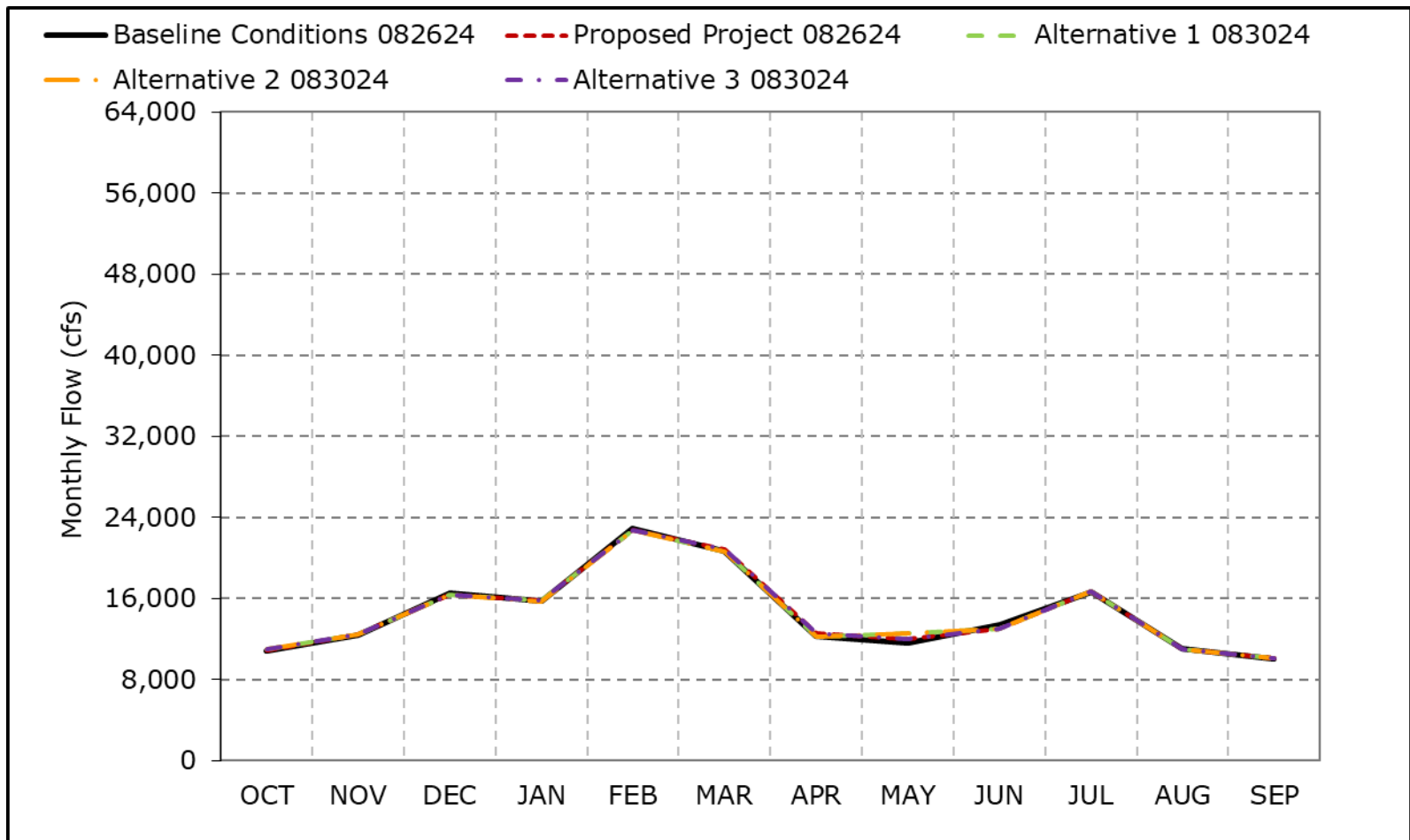


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with water year - year type sorting.

*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-3-1e. Sacramento River Flow at Freeport, Dry Year Average Flow

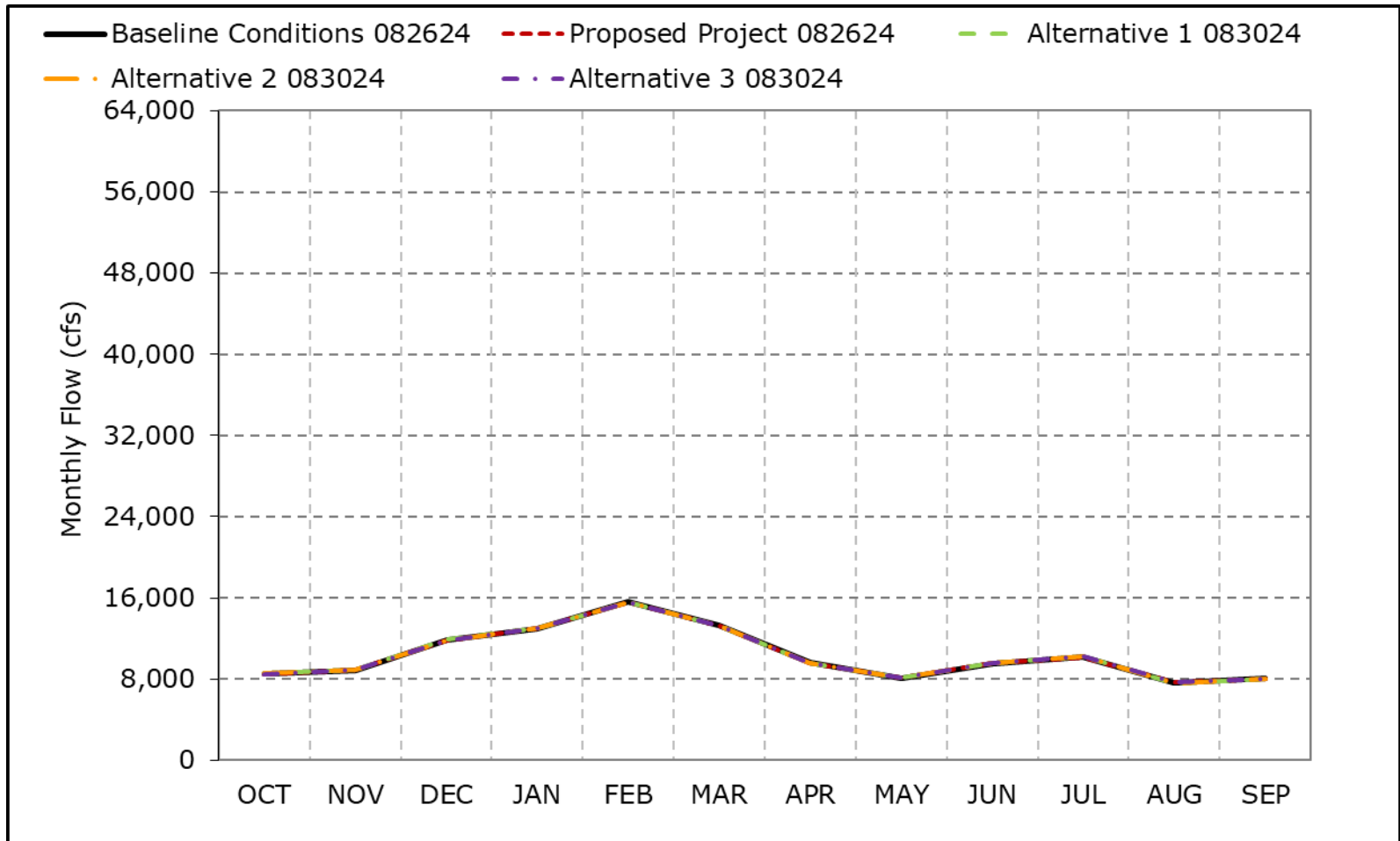


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with water year - year type sorting.

*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-3-1f. Sacramento River Flow at Freeport, Critical Year Average Flow

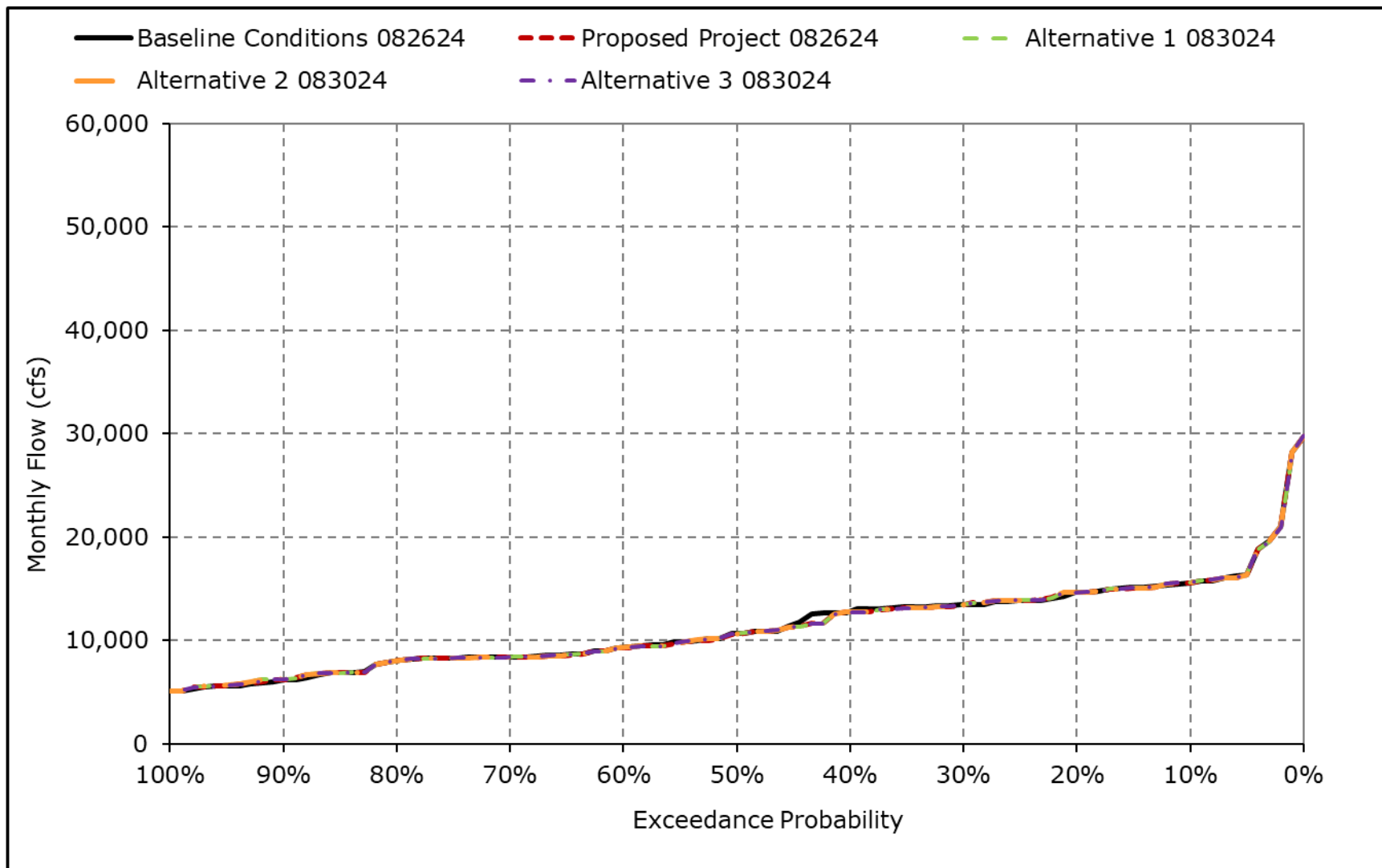


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with water year - year type sorting.

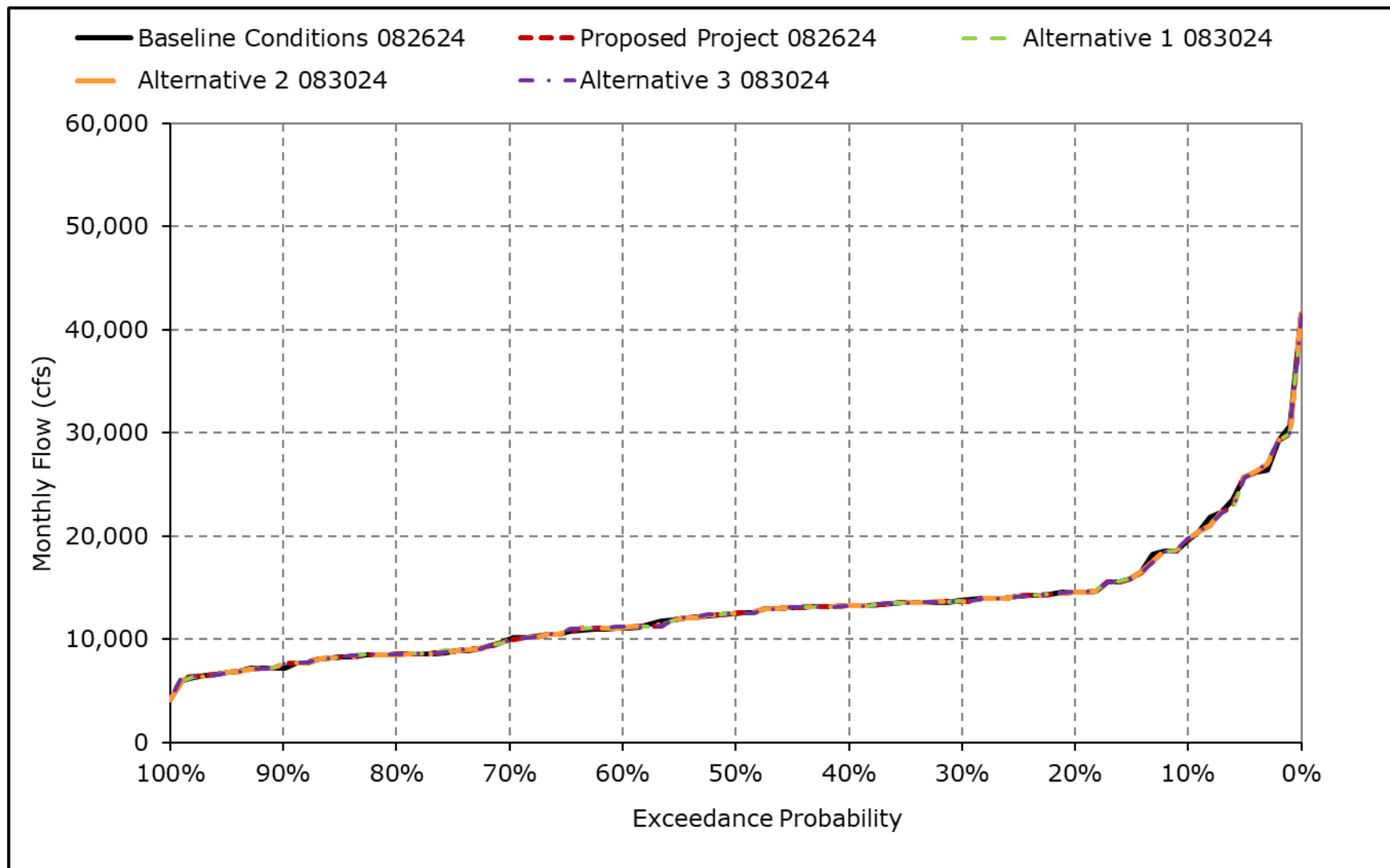
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-3-1g. Sacramento River Flow at Freeport, October



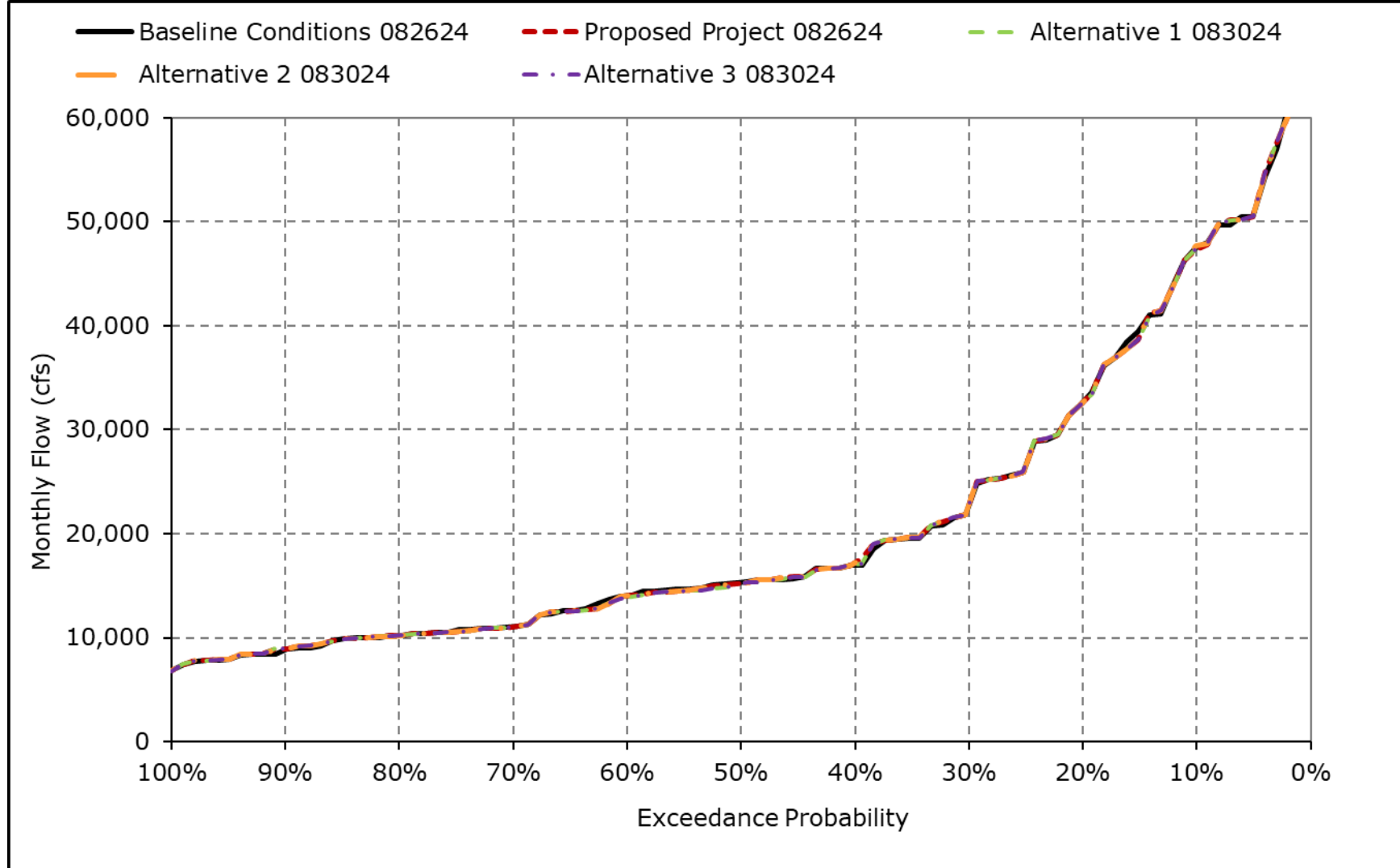
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-3-1h. Sacramento River Flow at Freeport, November



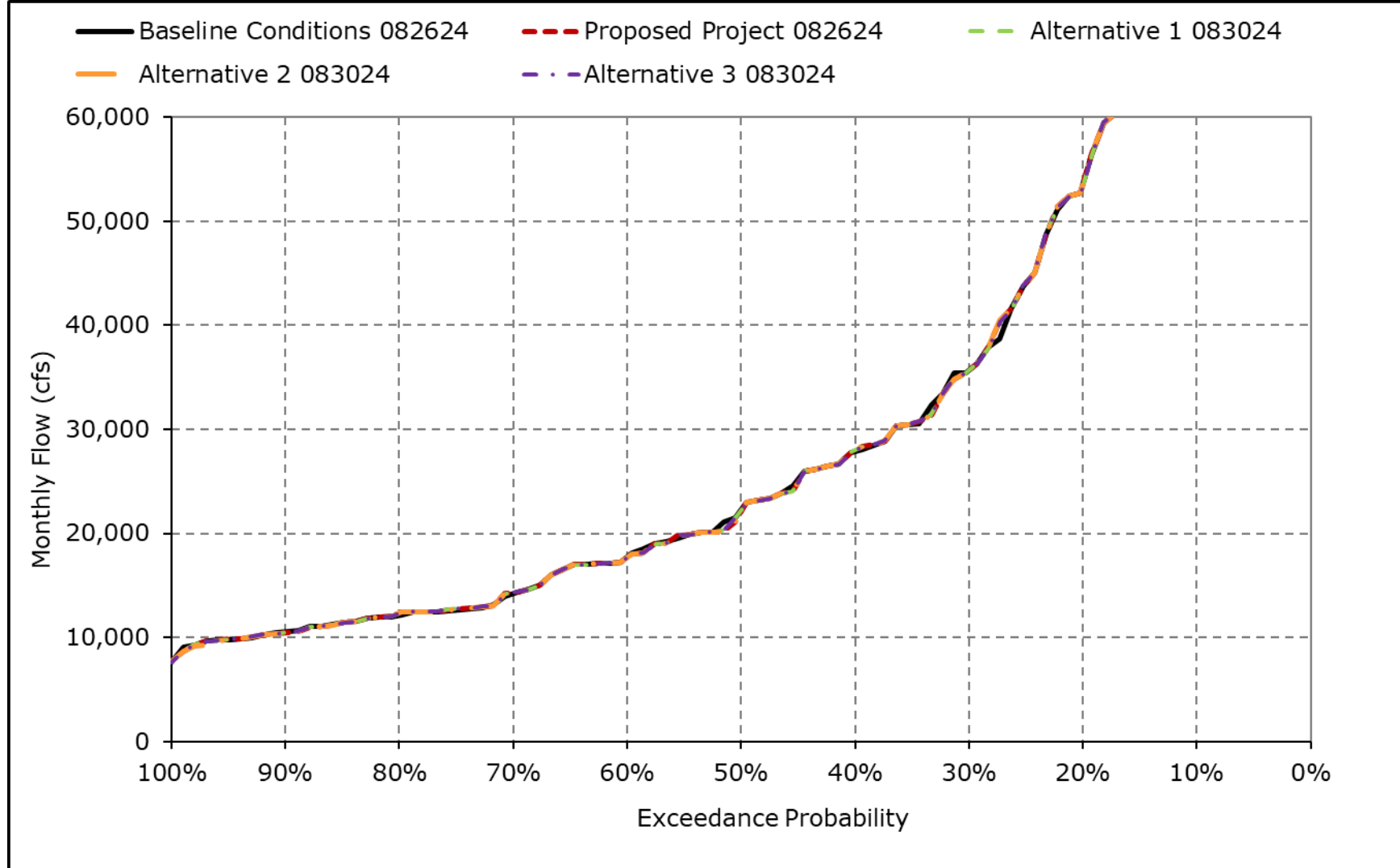
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-3-1i. Sacramento River Flow at Freeport, December



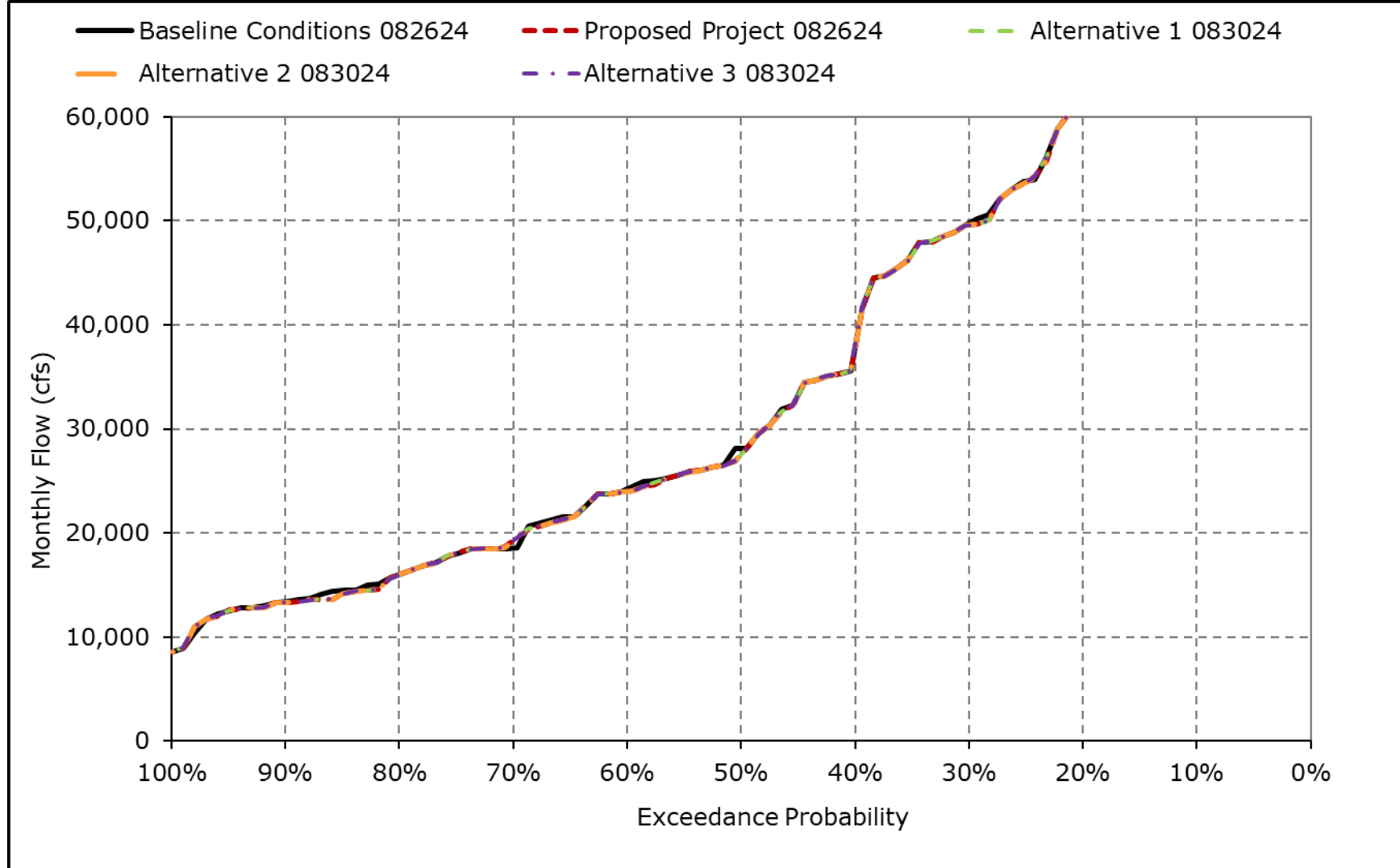
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-3-1j. Sacramento River Flow at Freeport, January



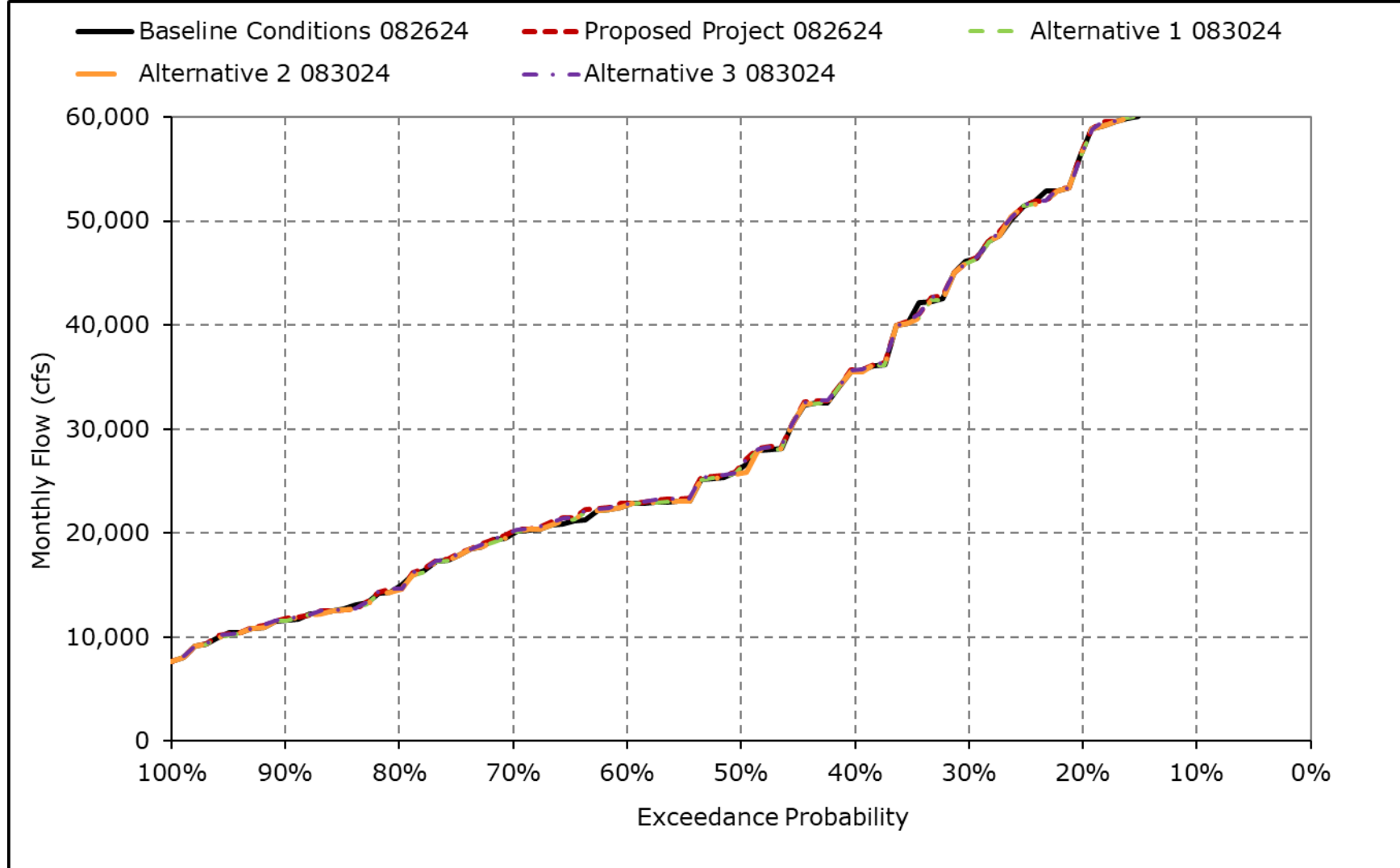
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-3-1k. Sacramento River Flow at Freeport, February



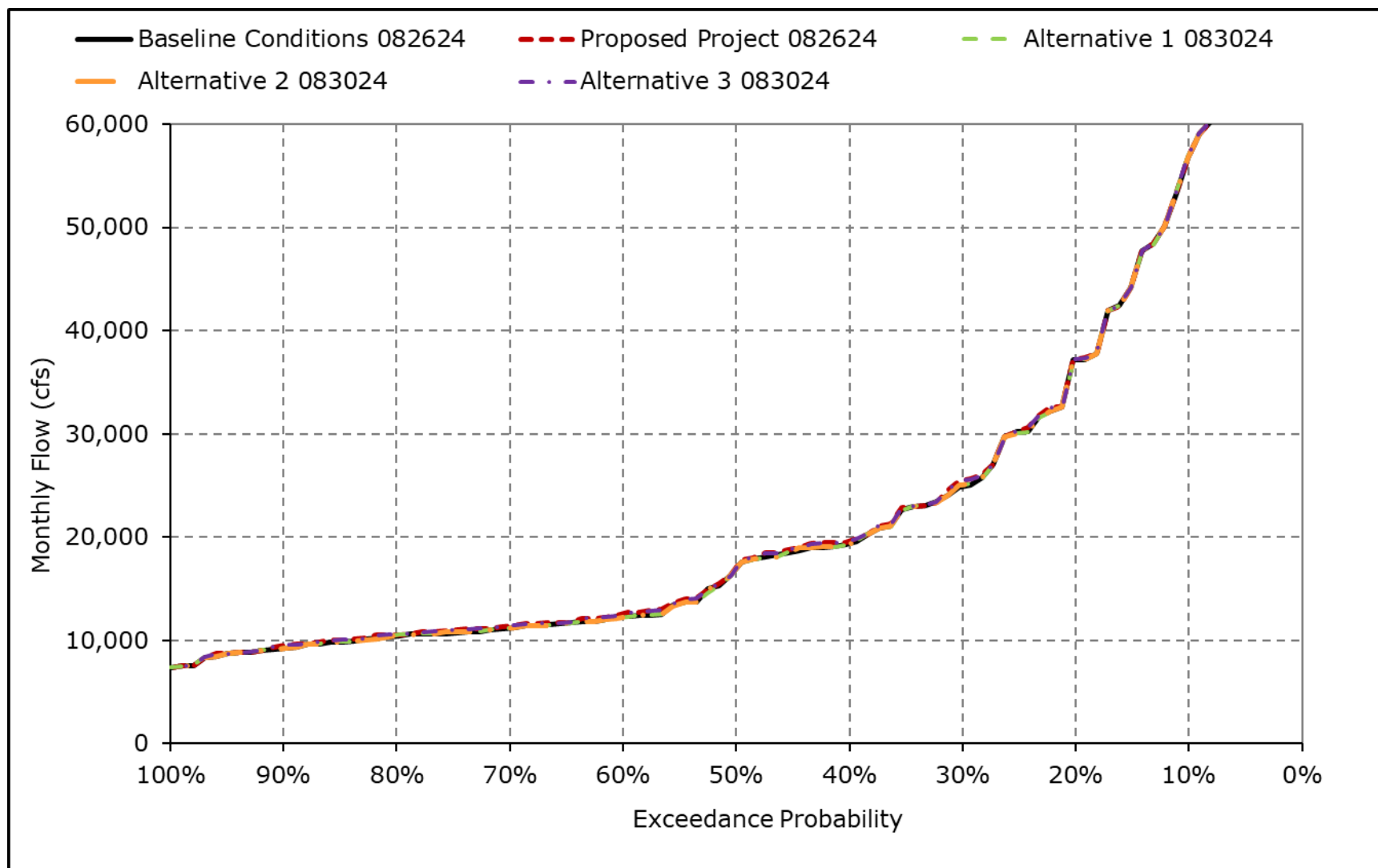
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-3-1I. Sacramento River Flow at Freeport, March



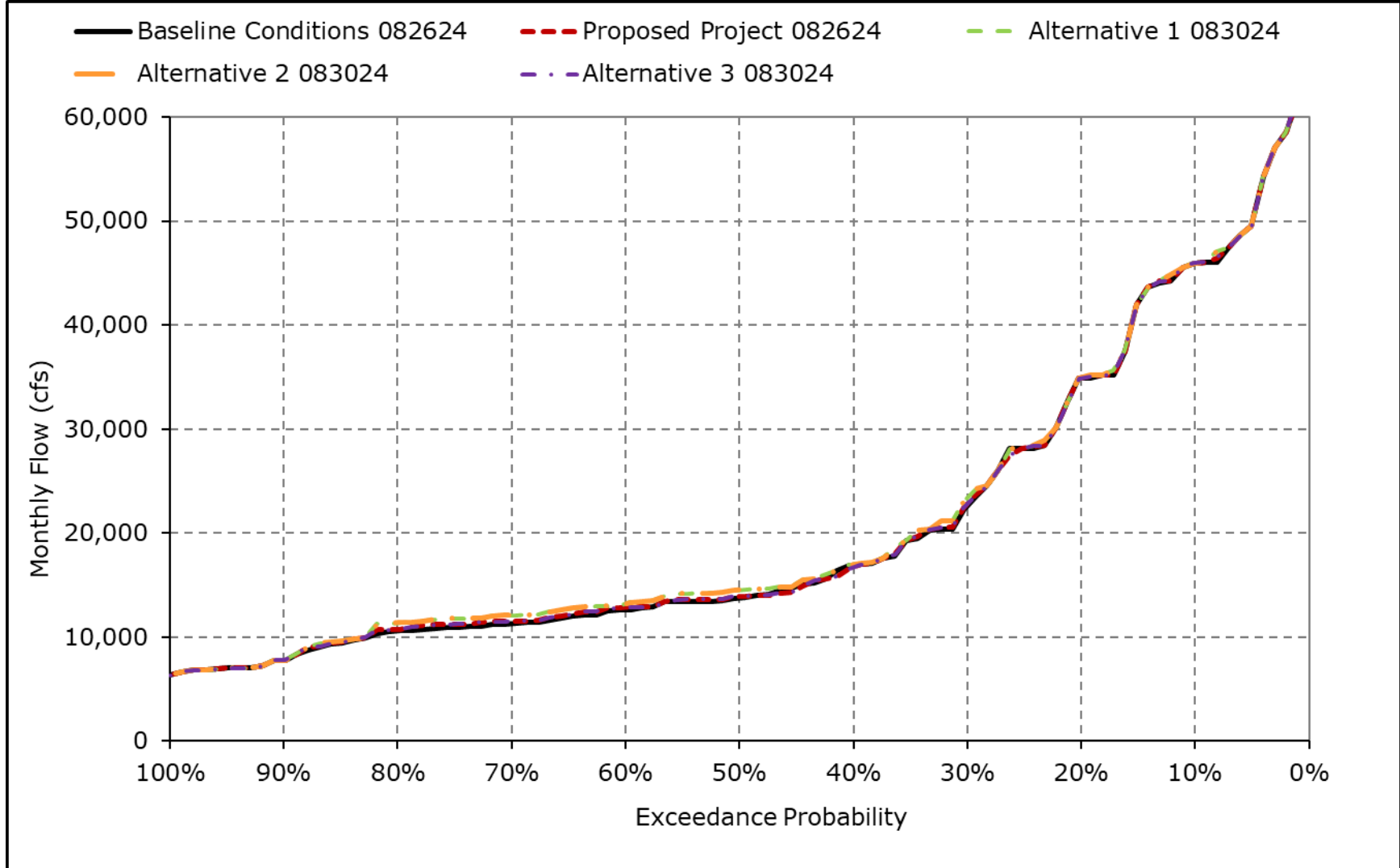
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-3-1m. Sacramento River Flow at Freeport, April



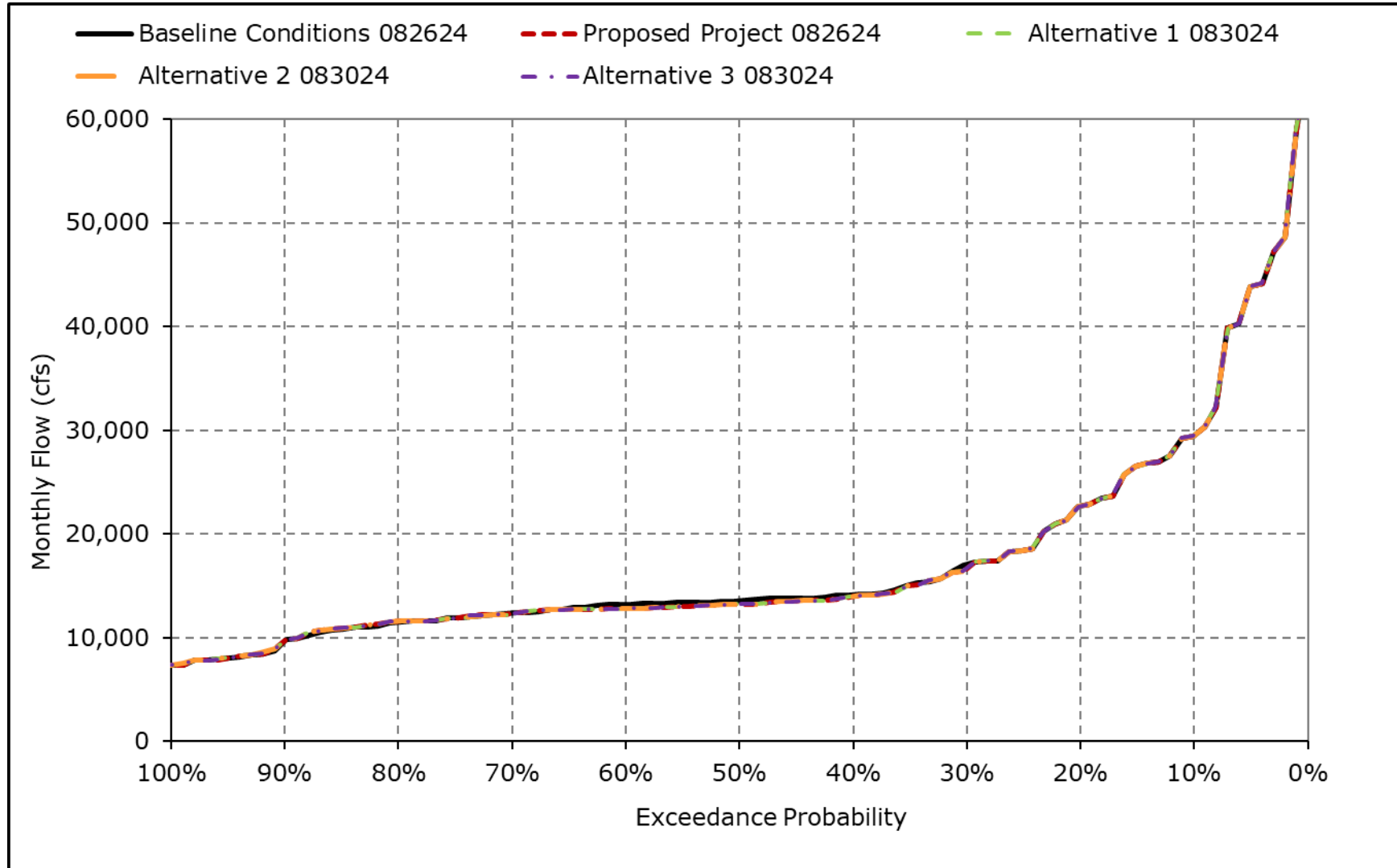
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-3-1n. Sacramento River Flow at Freeport, May



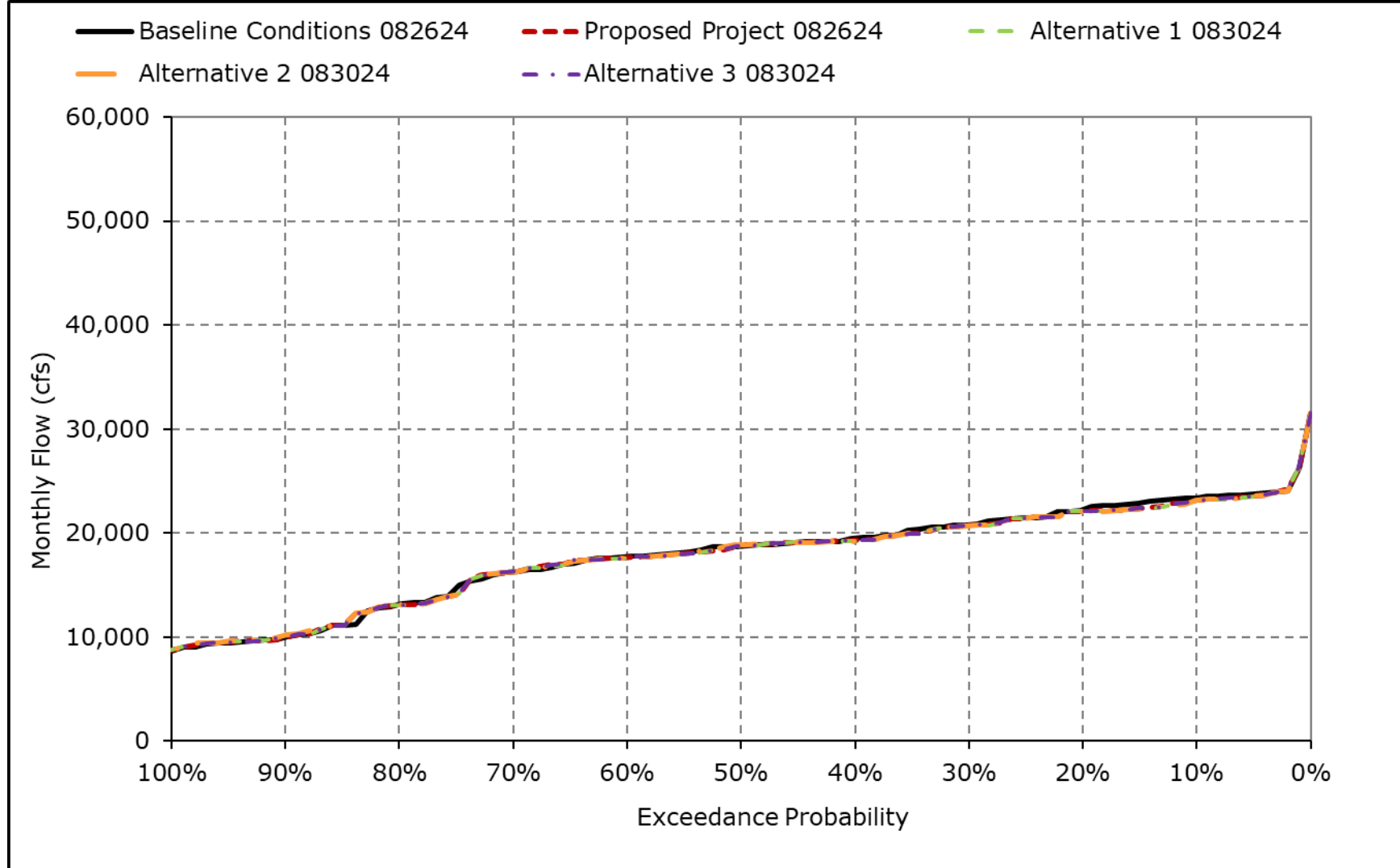
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-3-1o. Sacramento River Flow at Freeport, June



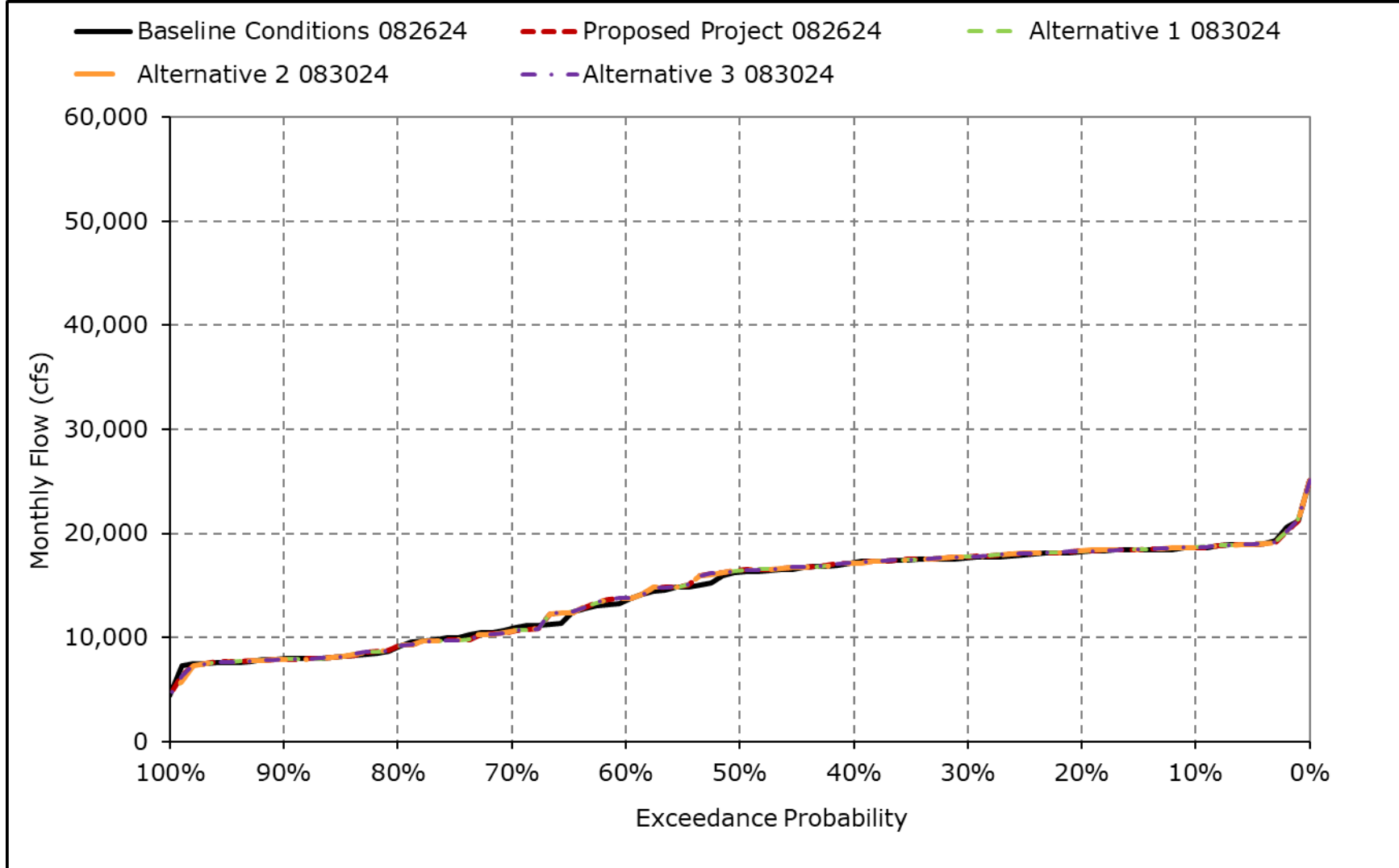
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-3-1p. Sacramento River Flow at Freeport, July



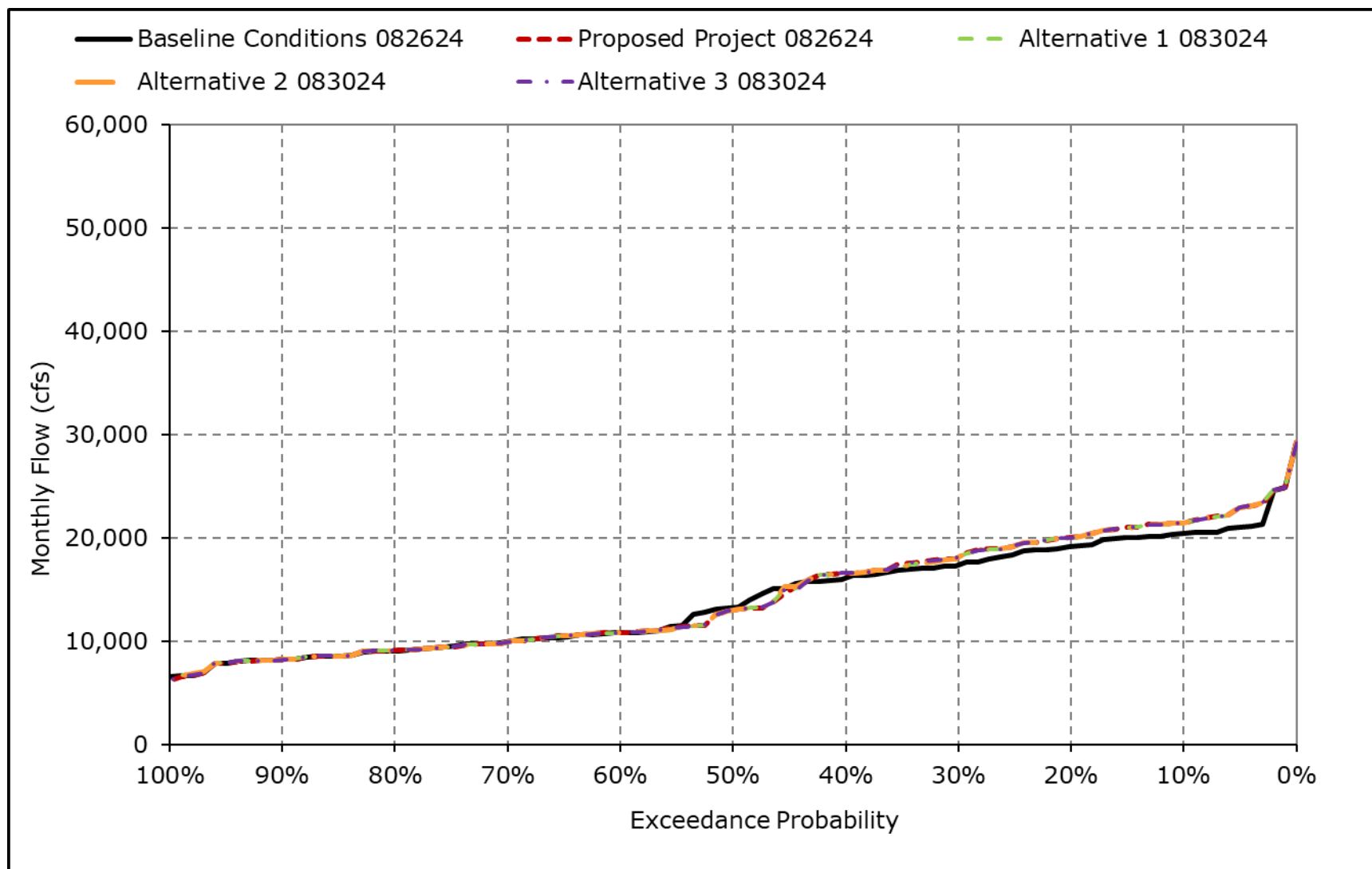
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-3-1q. Sacramento River Flow at Freeport, August



*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-3-1r. Sacramento River Flow at Freeport, September



*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Table 4C-3-2-1a. Georgiana Slough Flow, Baseline Conditions 082624, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	3,174	3,740	7,716	10,338	10,825	10,764	9,038	7,471	5,144	4,269	3,595	3,860
20% Exceedance	3,039	3,027	5,606	8,552	9,829	9,011	6,230	5,903	4,170	4,105	3,545	3,677
30% Exceedance	2,874	2,915	4,187	6,028	8,019	7,516	4,493	4,161	3,379	3,906	3,459	3,427
40% Exceedance	2,786	2,830	3,372	4,926	6,357	6,015	3,712	3,358	2,966	3,721	3,399	3,245
50% Exceedance	2,484	2,738	3,137	4,117	4,967	4,686	3,360	2,912	2,880	3,616	3,264	2,838
60% Exceedance	2,298	2,536	2,959	3,481	4,417	4,182	2,708	2,742	2,834	3,473	2,879	2,498
70% Exceedance	2,158	2,381	2,535	2,977	3,601	3,798	2,556	2,561	2,711	3,263	2,501	2,374
80% Exceedance	2,108	2,169	2,406	2,676	3,237	3,081	2,442	2,463	2,591	2,822	2,241	2,247
90% Exceedance	1,844	1,978	2,222	2,456	2,868	2,615	2,279	2,064	2,331	2,372	2,087	2,129
Full Simulation Period Average ^a	2,569	2,805	4,025	5,307	6,221	5,862	4,333	3,924	3,458	3,495	2,984	2,955
Wet Water Years (32%)	2,844	3,257	5,794	8,376	9,580	8,928	7,071	6,063	4,793	3,804	3,466	3,727
Above Normal Water Years (9%)	2,526	2,793	3,920	6,795	7,106	7,209	4,470	4,321	3,681	3,977	3,553	3,470
Below Normal Water Years (20%)	2,591	2,706	3,240	4,201	5,274	5,118	3,405	3,333	2,894	3,963	3,279	2,850
Dry Water Years (21%)	2,494	2,720	3,303	3,192	4,221	3,900	2,701	2,611	2,855	3,307	2,528	2,392
Critical Water Years (18%)	2,166	2,215	2,647	2,803	3,191	2,856	2,330	2,112	2,306	2,404	2,049	2,099

Table 4C-3-2-1b. Georgiana Slough Flow, Proposed Project 082624, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	3,181	3,763	7,688	10,339	10,823	10,763	9,037	7,468	5,144	4,234	3,601	4,003
20% Exceedance	3,043	3,027	5,603	8,553	9,826	9,011	6,246	5,911	4,171	4,091	3,552	3,800
30% Exceedance	2,873	2,899	4,195	6,030	7,998	7,498	4,580	4,190	3,325	3,897	3,472	3,534
40% Exceedance	2,773	2,831	3,414	4,937	6,354	6,034	3,745	3,330	2,942	3,698	3,397	3,311
50% Exceedance	2,480	2,735	3,124	4,089	4,883	4,725	3,379	2,936	2,832	3,616	3,292	2,807
60% Exceedance	2,283	2,540	2,958	3,462	4,373	4,204	2,749	2,782	2,772	3,459	2,912	2,498
70% Exceedance	2,154	2,359	2,535	2,988	3,703	3,834	2,585	2,596	2,709	3,270	2,462	2,370
80% Exceedance	2,107	2,170	2,406	2,709	3,237	3,046	2,459	2,487	2,601	2,810	2,256	2,255
90% Exceedance	1,850	2,040	2,234	2,453	2,861	2,650	2,317	2,063	2,333	2,377	2,080	2,128
Full Simulation Period Average ^a	2,566	2,802	4,025	5,304	6,212	5,877	4,355	3,935	3,447	3,483	2,992	2,996
Wet Water Years (32%)	2,832	3,252	5,799	8,375	9,576	8,928	7,071	6,063	4,794	3,799	3,474	3,842
Above Normal Water Years (9%)	2,514	2,777	3,917	6,791	7,098	7,245	4,496	4,349	3,681	3,973	3,526	3,695
Below Normal Water Years (20%)	2,573	2,702	3,253	4,190	5,265	5,153	3,466	3,327	2,880	3,901	3,334	2,771
Dry Water Years (21%)	2,514	2,723	3,289	3,196	4,198	3,931	2,741	2,657	2,801	3,320	2,515	2,394
Critical Water Years (18%)	2,171	2,217	2,641	2,800	3,187	2,847	2,327	2,114	2,318	2,400	2,045	2,096

Table 4C-3-2-1c. Georgiana Slough Flow, Proposed Project 082624 minus Baseline Conditions 082624, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	7	23	-28	2	-2	-2	-1	-3	0	-35	6	144
20% Exceedance	5	0	-3	1	-3	0	16	8	1	-14	7	123
30% Exceedance	-1	-16	8	2	-21	-19	86	29	-54	-9	12	107
40% Exceedance	-14	0	42	11	-3	18	33	-28	-23	-22	-3	66
50% Exceedance	-4	-3	-13	-28	-83	39	19	25	-48	0	28	-31
60% Exceedance	-15	3	-1	-18	-44	22	41	41	-62	-14	33	0
70% Exceedance	-4	-22	0	12	101	36	29	35	-2	7	-39	-4
80% Exceedance	0	1	0	33	0	-35	17	24	10	-12	15	8
90% Exceedance	6	62	12	-3	-7	34	38	-1	2	5	-7	-1
Full Simulation Period Average ^a	-3	-3	0	-2	-9	15	23	11	-12	-13	8	41
Wet Water Years (32%)	-12	-5	6	-1	-4	0	0	0	1	-5	8	115
Above Normal Water Years (9%)	-12	-16	-3	-3	-7	37	25	28	0	-4	-26	225
Below Normal Water Years (20%)	-17	-4	13	-12	-9	35	61	-5	-14	-62	55	-79
Dry Water Years (21%)	20	4	-15	4	-23	30	40	46	-53	13	-13	2
Critical Water Years (18%)	5	2	-6	-2	-3	-8	-2	2	12	-4	-4	-3

^a Based on the 100-year simulation period.

* All scenarios are simulated at current climate condition and 0 cm sea level rise.

* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with water year - year type sorting.

Table 4C-3-2-2a. Georgiana Slough Flow, Baseline Conditions 082624, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	3,174	3,740	7,716	10,338	10,825	10,764	9,038	7,471	5,144	4,269	3,595	3,860
20% Exceedance	3,039	3,027	5,606	8,552	9,829	9,011	6,230	5,903	4,170	4,105	3,545	3,677
30% Exceedance	2,874	2,915	4,187	6,028	8,019	7,516	4,493	4,161	3,379	3,906	3,459	3,427
40% Exceedance	2,786	2,830	3,372	4,926	6,357	6,015	3,712	3,358	2,966	3,721	3,399	3,245
50% Exceedance	2,484	2,738	3,137	4,117	4,967	4,686	3,360	2,912	2,880	3,616	3,264	2,838
60% Exceedance	2,298	2,536	2,959	3,481	4,417	4,182	2,708	2,742	2,834	3,473	2,879	2,498
70% Exceedance	2,158	2,381	2,535	2,977	3,601	3,798	2,556	2,561	2,711	3,263	2,501	2,374
80% Exceedance	2,108	2,169	2,406	2,676	3,237	3,081	2,442	2,463	2,591	2,822	2,241	2,247
90% Exceedance	1,844	1,978	2,222	2,456	2,868	2,615	2,279	2,064	2,331	2,372	2,087	2,129
Full Simulation Period Average ^a	2,569	2,805	4,025	5,307	6,221	5,862	4,333	3,924	3,458	3,495	2,984	2,955
Wet Water Years (32%)	2,844	3,257	5,794	8,376	9,580	8,928	7,071	6,063	4,793	3,804	3,466	3,727
Above Normal Water Years (9%)	2,526	2,793	3,920	6,795	7,106	7,209	4,470	4,321	3,681	3,977	3,553	3,470
Below Normal Water Years (20%)	2,591	2,706	3,240	4,201	5,274	5,118	3,405	3,333	2,894	3,963	3,279	2,850
Dry Water Years (21%)	2,494	2,720	3,303	3,192	4,221	3,900	2,701	2,611	2,855	3,307	2,528	2,392
Critical Water Years (18%)	2,166	2,215	2,647	2,803	3,191	2,856	2,330	2,112	2,306	2,404	2,049	2,099

Table 4C-3-2-2b. Georgiana Slough Flow, Alternative 1 083024, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	3,181	3,766	7,688	10,339	10,823	10,763	9,037	7,469	5,144	4,234	3,604	4,003
20% Exceedance	3,043	3,027	5,603	8,553	9,827	9,011	6,233	5,913	4,171	4,088	3,555	3,800
30% Exceedance	2,874	2,899	4,197	6,031	7,998	7,489	4,520	4,276	3,325	3,893	3,478	3,534
40% Exceedance	2,773	2,831	3,384	4,937	6,354	6,005	3,711	3,368	2,943	3,685	3,392	3,311
50% Exceedance	2,481	2,735	3,113	4,119	4,883	4,702	3,360	3,018	2,833	3,616	3,288	2,805
60% Exceedance	2,292	2,540	2,932	3,461	4,373	4,181	2,696	2,833	2,772	3,454	2,912	2,498
70% Exceedance	2,154	2,359	2,535	2,989	3,697	3,798	2,553	2,675	2,709	3,270	2,466	2,370
80% Exceedance	2,108	2,170	2,405	2,709	3,237	3,034	2,453	2,573	2,601	2,811	2,255	2,255
90% Exceedance	1,855	2,041	2,233	2,453	2,861	2,615	2,277	2,063	2,333	2,407	2,080	2,128
Full Simulation Period Average ^a	2,567	2,803	4,021	5,305	6,213	5,859	4,332	3,977	3,447	3,481	2,992	2,996
Wet Water Years (32%)	2,832	3,254	5,796	8,376	9,578	8,929	7,072	6,063	4,794	3,799	3,474	3,842
Above Normal Water Years (9%)	2,514	2,781	3,912	6,791	7,103	7,187	4,464	4,435	3,681	3,969	3,529	3,691
Below Normal Water Years (20%)	2,574	2,704	3,244	4,194	5,266	5,124	3,406	3,414	2,880	3,888	3,333	2,769
Dry Water Years (21%)	2,516	2,725	3,287	3,195	4,198	3,892	2,702	2,736	2,802	3,318	2,516	2,392
Critical Water Years (18%)	2,176	2,215	2,641	2,801	3,187	2,847	2,327	2,115	2,321	2,408	2,041	2,102

Table 4C-3-2-2c. Georgiana Slough Flow, Alternative 1 083024 minus Baseline Conditions 082624, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	7	26	-28	2	-2	-2	-1	-2	0	-35	9	144
20% Exceedance	4	0	-3	1	-1	0	2	10	1	-17	10	123
30% Exceedance	0	-16	10	3	-22	-27	27	115	-54	-12	18	107
40% Exceedance	-14	0	12	11	-3	-10	-1	10	-23	-36	-7	66
50% Exceedance	-2	-3	-24	2	-83	17	0	106	-47	1	24	-33
60% Exceedance	-5	3	-27	-19	-44	-1	-12	91	-62	-19	33	0
70% Exceedance	-4	-22	0	12	95	0	-3	114	-3	7	-35	-4
80% Exceedance	0	1	-1	33	0	-46	11	110	10	-11	15	8
90% Exceedance	11	62	11	-3	-7	0	-2	-1	2	36	-8	-1
Full Simulation Period Average ^a	-2	-1	-3	-1	-8	-4	0	53	-11	-14	7	41
Wet Water Years (32%)	-12	-3	2	0	-2	1	0	0	1	-5	8	115
Above Normal Water Years (9%)	-12	-11	-8	-3	-2	-22	-6	114	0	-8	-24	221
Below Normal Water Years (20%)	-16	-2	4	-7	-8	6	1	81	-14	-74	54	-80
Dry Water Years (21%)	22	5	-16	3	-23	-8	1	125	-53	10	-12	0
Critical Water Years (18%)	10	-1	-5	-2	-3	-8	-3	3	15	4	-8	3

^a Based on the 100-year simulation period.

* All scenarios are simulated at current climate condition and 0 cm sea level rise.

* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with water year - year type sorting.

Table 4C-3-2-3a. Georgiana Slough Flow, Baseline Conditions 082624, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	3,174	3,740	7,716	10,338	10,825	10,764	9,038	7,471	5,144	4,269	3,595	3,860
20% Exceedance	3,039	3,027	5,606	8,552	9,829	9,011	6,230	5,903	4,170	4,105	3,545	3,677
30% Exceedance	2,874	2,915	4,187	6,028	8,019	7,516	4,493	4,161	3,379	3,906	3,459	3,427
40% Exceedance	2,786	2,830	3,372	4,926	6,357	6,015	3,712	3,358	2,966	3,721	3,399	3,245
50% Exceedance	2,484	2,738	3,137	4,117	4,967	4,686	3,360	2,912	2,880	3,616	3,264	2,838
60% Exceedance	2,298	2,536	2,959	3,481	4,417	4,182	2,708	2,742	2,834	3,473	2,879	2,498
70% Exceedance	2,158	2,381	2,535	2,977	3,601	3,798	2,556	2,561	2,711	3,263	2,501	2,374
80% Exceedance	2,108	2,169	2,406	2,676	3,237	3,081	2,442	2,463	2,591	2,822	2,241	2,247
90% Exceedance	1,844	1,978	2,222	2,456	2,868	2,615	2,279	2,064	2,331	2,372	2,087	2,129
Full Simulation Period Average ^a	2,569	2,805	4,025	5,307	6,221	5,862	4,333	3,924	3,458	3,495	2,984	2,955
Wet Water Years (32%)	2,844	3,257	5,794	8,376	9,580	8,928	7,071	6,063	4,793	3,804	3,466	3,727
Above Normal Water Years (9%)	2,526	2,793	3,920	6,795	7,106	7,209	4,470	4,321	3,681	3,977	3,553	3,470
Below Normal Water Years (20%)	2,591	2,706	3,240	4,201	5,274	5,118	3,405	3,333	2,894	3,963	3,279	2,850
Dry Water Years (21%)	2,494	2,720	3,303	3,192	4,221	3,900	2,701	2,611	2,855	3,307	2,528	2,392
Critical Water Years (18%)	2,166	2,215	2,647	2,803	3,191	2,856	2,330	2,112	2,306	2,404	2,049	2,099

Table 4C-3-2-3b. Georgiana Slough Flow, Alternative 2 083024, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	3,181	3,762	7,741	10,339	10,823	10,763	9,037	7,469	5,144	4,234	3,604	4,003
20% Exceedance	3,043	3,027	5,603	8,553	9,827	9,010	6,233	5,913	4,171	4,088	3,555	3,800
30% Exceedance	2,874	2,899	4,196	6,031	7,998	7,489	4,520	4,276	3,325	3,893	3,472	3,534
40% Exceedance	2,773	2,831	3,414	4,937	6,354	6,005	3,711	3,368	2,943	3,685	3,392	3,311
50% Exceedance	2,481	2,736	3,125	4,089	4,883	4,619	3,360	3,018	2,833	3,626	3,294	2,809
60% Exceedance	2,292	2,540	2,958	3,461	4,373	4,181	2,696	2,829	2,772	3,454	2,912	2,498
70% Exceedance	2,154	2,359	2,535	2,988	3,696	3,798	2,553	2,675	2,709	3,270	2,465	2,370
80% Exceedance	2,108	2,168	2,405	2,709	3,237	3,034	2,453	2,573	2,601	2,811	2,255	2,255
90% Exceedance	1,856	2,041	2,231	2,453	2,861	2,615	2,278	2,063	2,333	2,407	2,080	2,128
Full Simulation Period Average ^a	2,567	2,801	4,025	5,303	6,211	5,857	4,333	3,977	3,447	3,482	2,992	2,997
Wet Water Years (32%)	2,832	3,252	5,801	8,376	9,577	8,928	7,071	6,063	4,794	3,799	3,474	3,842
Above Normal Water Years (9%)	2,514	2,781	3,918	6,791	7,098	7,187	4,465	4,435	3,681	3,970	3,524	3,696
Below Normal Water Years (20%)	2,574	2,704	3,254	4,189	5,265	5,124	3,406	3,414	2,880	3,888	3,333	2,770
Dry Water Years (21%)	2,515	2,719	3,286	3,191	4,197	3,884	2,704	2,735	2,802	3,323	2,519	2,392
Critical Water Years (18%)	2,176	2,213	2,641	2,800	3,187	2,847	2,327	2,115	2,321	2,411	2,041	2,103

Table 4C-3-2-3c. Georgiana Slough Flow, Alternative 2 083024 minus Baseline Conditions 082624, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	7	22	25	2	-2	-2	-1	-2	0	-35	9	144
20% Exceedance	5	0	-3	1	-1	0	2	10	1	-17	10	123
30% Exceedance	0	-16	9	3	-22	-27	27	115	-54	-12	12	107
40% Exceedance	-14	0	42	11	-3	-10	-1	10	-23	-35	-7	66
50% Exceedance	-2	-3	-12	-28	-83	-67	0	106	-47	10	30	-29
60% Exceedance	-5	3	-1	-19	-44	-1	-12	88	-62	-19	33	0
70% Exceedance	-4	-22	0	12	94	0	-3	114	-3	7	-36	-4
80% Exceedance	0	-1	-1	33	0	-46	11	110	10	-12	15	8
90% Exceedance	11	62	9	-3	-7	0	-2	-1	2	36	-7	-1
Full Simulation Period Average ^a	-2	-3	0	-3	-9	-6	0	53	-11	-13	8	42
Wet Water Years (32%)	-12	-5	8	0	-3	0	0	0	1	-5	8	114
Above Normal Water Years (9%)	-12	-12	-2	-3	-7	-21	-5	114	0	-7	-29	226
Below Normal Water Years (20%)	-16	-2	14	-13	-10	6	1	81	-14	-75	54	-79
Dry Water Years (21%)	21	0	-17	-1	-24	-17	3	124	-53	16	-9	0
Critical Water Years (18%)	10	-2	-6	-2	-3	-8	-2	3	15	7	-8	3

^a Based on the 100-year simulation period.

* All scenarios are simulated at current climate condition and 0 cm sea level rise.

* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with water year - year type sorting.

Table 4C-3-2-4a. Georgiana Slough Flow, Baseline Conditions 082624, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	3,174	3,740	7,716	10,338	10,825	10,764	9,038	7,471	5,144	4,269	3,595	3,860
20% Exceedance	3,039	3,027	5,606	8,552	9,829	9,011	6,230	5,903	4,170	4,105	3,545	3,677
30% Exceedance	2,874	2,915	4,187	6,028	8,019	7,516	4,493	4,161	3,379	3,906	3,459	3,427
40% Exceedance	2,786	2,830	3,372	4,926	6,357	6,015	3,712	3,358	2,966	3,721	3,399	3,245
50% Exceedance	2,484	2,738	3,137	4,117	4,967	4,686	3,360	2,912	2,880	3,616	3,264	2,838
60% Exceedance	2,298	2,536	2,959	3,481	4,417	4,182	2,708	2,742	2,834	3,473	2,879	2,498
70% Exceedance	2,158	2,381	2,535	2,977	3,601	3,798	2,556	2,561	2,711	3,263	2,501	2,374
80% Exceedance	2,108	2,169	2,406	2,676	3,237	3,081	2,442	2,463	2,591	2,822	2,241	2,247
90% Exceedance	1,844	1,978	2,222	2,456	2,868	2,615	2,279	2,064	2,331	2,372	2,087	2,129
Full Simulation Period Average ^a	2,569	2,805	4,025	5,307	6,221	5,862	4,333	3,924	3,458	3,495	2,984	2,955
Wet Water Years (32%)	2,844	3,257	5,794	8,376	9,580	8,928	7,071	6,063	4,793	3,804	3,466	3,727
Above Normal Water Years (9%)	2,526	2,793	3,920	6,795	7,106	7,209	4,470	4,321	3,681	3,977	3,553	3,470
Below Normal Water Years (20%)	2,591	2,706	3,240	4,201	5,274	5,118	3,405	3,333	2,894	3,963	3,279	2,850
Dry Water Years (21%)	2,494	2,720	3,303	3,192	4,221	3,900	2,701	2,611	2,855	3,307	2,528	2,392
Critical Water Years (18%)	2,166	2,215	2,647	2,803	3,191	2,856	2,330	2,112	2,306	2,404	2,049	2,099

Table 4C-3-2-4b. Georgiana Slough Flow, Alternative 3 083024, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	3,181	3,766	7,688	10,339	10,823	10,763	9,037	7,468	5,144	4,234	3,601	4,003
20% Exceedance	3,043	3,027	5,603	8,553	9,826	9,011	6,247	5,911	4,171	4,091	3,552	3,800
30% Exceedance	2,873	2,899	4,196	6,030	7,998	7,498	4,580	4,190	3,325	3,897	3,480	3,535
40% Exceedance	2,773	2,824	3,384	4,936	6,354	6,034	3,745	3,330	2,942	3,695	3,397	3,311
50% Exceedance	2,480	2,736	3,112	4,119	4,883	4,725	3,379	2,936	2,832	3,616	3,287	2,806
60% Exceedance	2,283	2,546	2,932	3,462	4,373	4,204	2,749	2,782	2,772	3,458	2,913	2,498
70% Exceedance	2,154	2,359	2,535	2,989	3,702	3,834	2,585	2,596	2,714	3,270	2,462	2,370
80% Exceedance	2,108	2,170	2,406	2,709	3,237	3,046	2,459	2,487	2,601	2,811	2,256	2,255
90% Exceedance	1,850	2,041	2,234	2,453	2,861	2,650	2,317	2,063	2,333	2,378	2,080	2,128
Full Simulation Period Average ^a	2,566	2,803	4,021	5,305	6,212	5,878	4,355	3,936	3,447	3,483	2,993	2,996
Wet Water Years (32%)	2,832	3,254	5,796	8,376	9,577	8,928	7,072	6,063	4,794	3,799	3,474	3,842
Above Normal Water Years (9%)	2,514	2,780	3,911	6,791	7,103	7,245	4,495	4,349	3,681	3,973	3,532	3,690
Below Normal Water Years (20%)	2,574	2,702	3,244	4,194	5,266	5,153	3,466	3,327	2,880	3,901	3,334	2,773
Dry Water Years (21%)	2,516	2,724	3,287	3,195	4,198	3,931	2,741	2,657	2,801	3,319	2,515	2,394
Critical Water Years (18%)	2,171	2,216	2,641	2,800	3,187	2,848	2,327	2,114	2,320	2,401	2,045	2,096

Table 4C-3-2-4c. Georgiana Slough Flow, Alternative 3 083024 minus Baseline Conditions 082624, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	7	26	-28	2	-2	-2	-1	-3	0	-35	6	144
20% Exceedance	4	0	-3	1	-3	0	16	8	1	-14	7	123
30% Exceedance	-1	-16	9	2	-21	-19	86	29	-54	-9	21	107
40% Exceedance	-14	-6	12	11	-3	18	33	-28	-23	-25	-3	66
50% Exceedance	-4	-3	-25	2	-83	39	19	25	-48	1	22	-32
60% Exceedance	-15	10	-27	-18	-44	22	41	41	-62	-15	33	0
70% Exceedance	-4	-22	0	12	100	36	29	35	3	7	-39	-4
80% Exceedance	0	1	0	33	0	-35	17	24	10	-12	15	8
90% Exceedance	5	62	12	-3	-7	34	38	-1	2	6	-7	-1
Full Simulation Period Average ^a	-3	-2	-4	-2	-8	15	22	12	-11	-13	8	41
Wet Water Years (32%)	-12	-3	2	0	-3	0	0	0	1	-5	9	115
Above Normal Water Years (9%)	-12	-13	-9	-3	-2	36	25	28	0	-4	-21	220
Below Normal Water Years (20%)	-17	-4	3	-7	-8	35	61	-5	-14	-62	55	-77
Dry Water Years (21%)	22	4	-16	4	-23	30	40	46	-53	11	-13	2
Critical Water Years (18%)	5	1	-6	-2	-4	-8	-3	2	14	-3	-4	-3

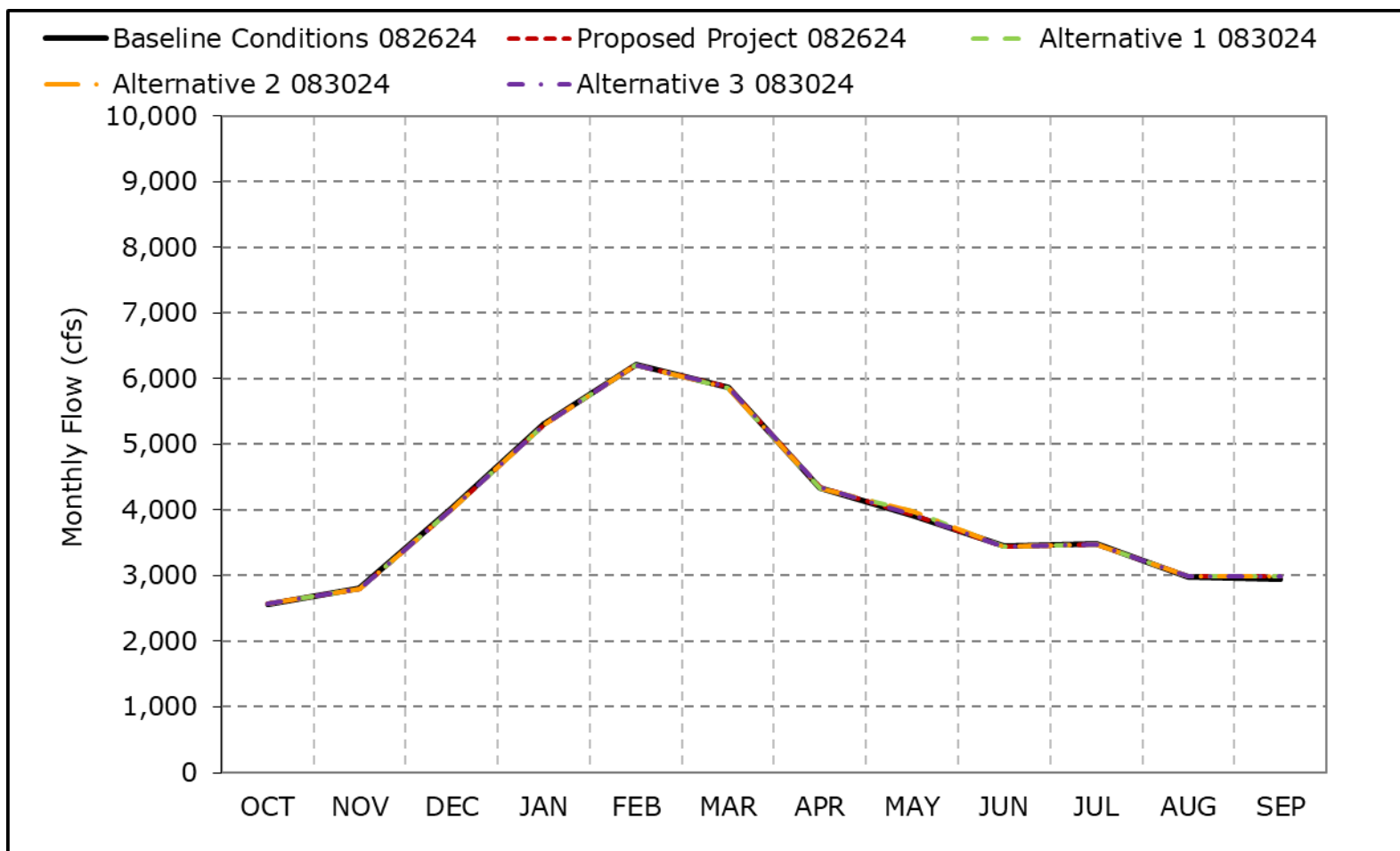
^a Based on the 100-year simulation period.

* All scenarios are simulated at current climate condition and 0 cm sea level rise.

* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with water year - year type sorting.

Figure 4C-3-2a. Georgiana Slough Flow, Long-Term Average Flow

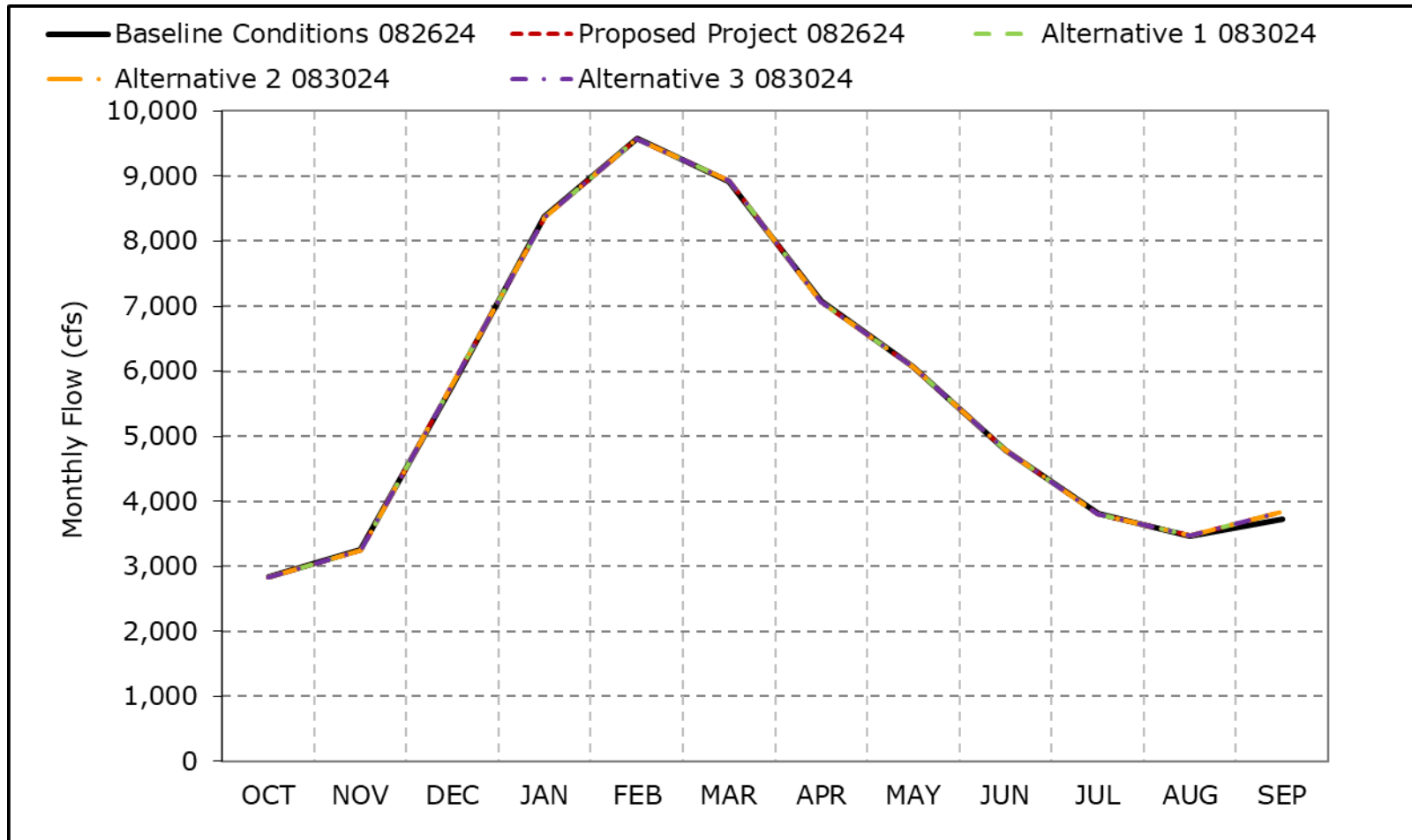


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with water year - year type sorting.

*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-3-2b. Georgiana Slough Flow, Wet Year Average Flow

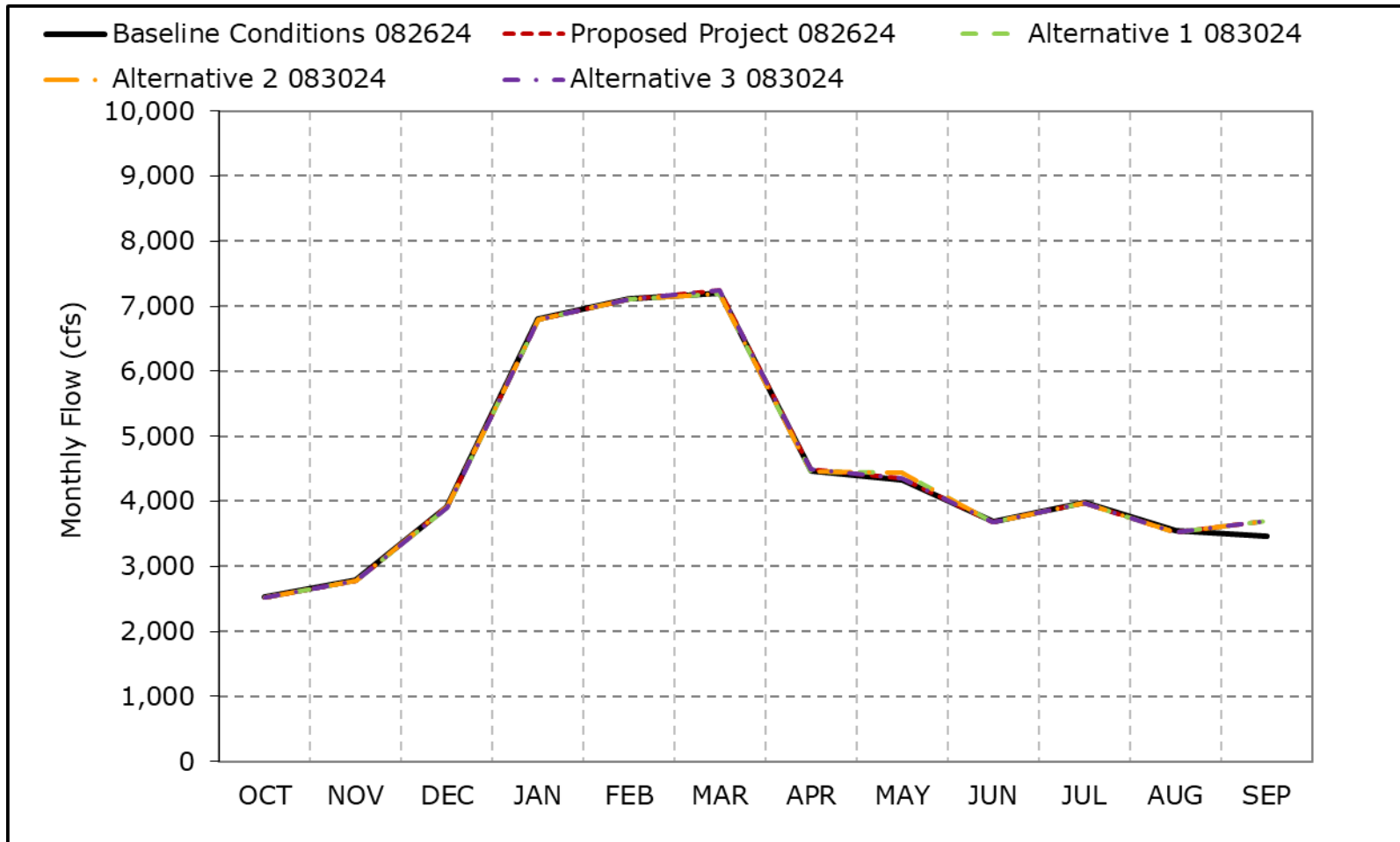


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with water year - year type sorting.

*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-3-2c. Georgiana Slough Flow, Above Normal Year Average Flow

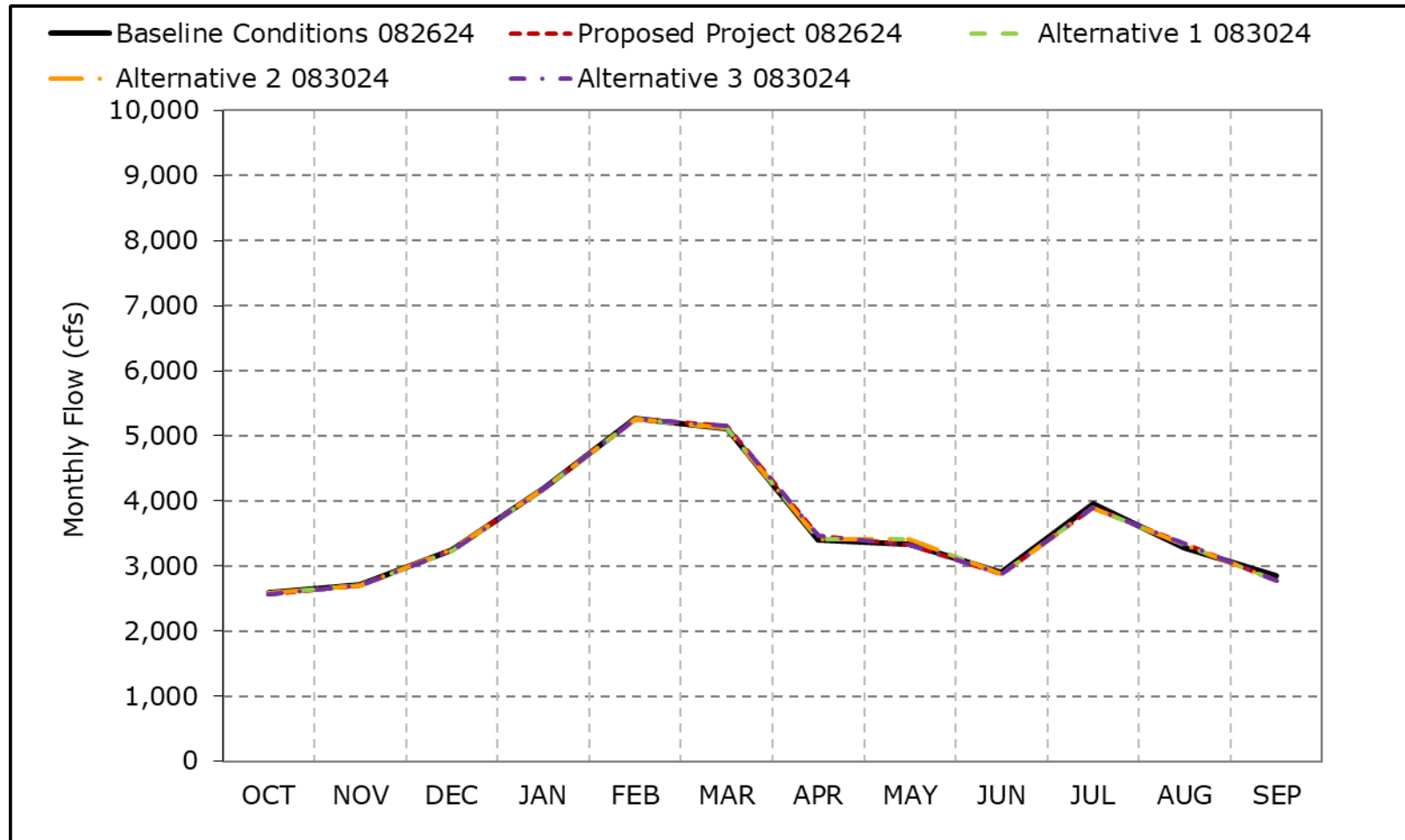


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with water year - year type sorting.

*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-3-2d. Georgiana Slough Flow, Below Normal Year Average Flow

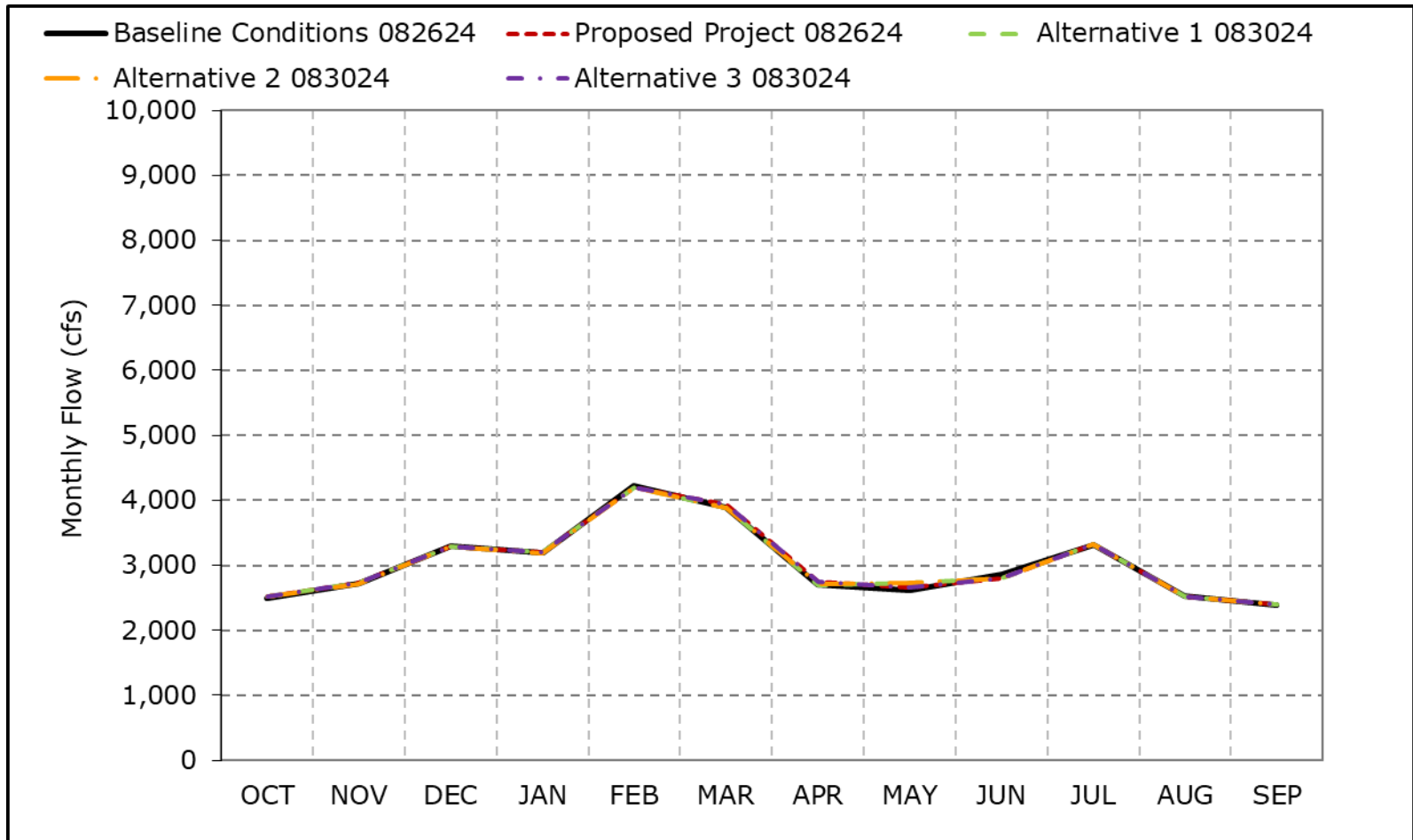


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with water year - year type sorting.

*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-3-2e. Georgiana Slough Flow, Dry Year Average Flow

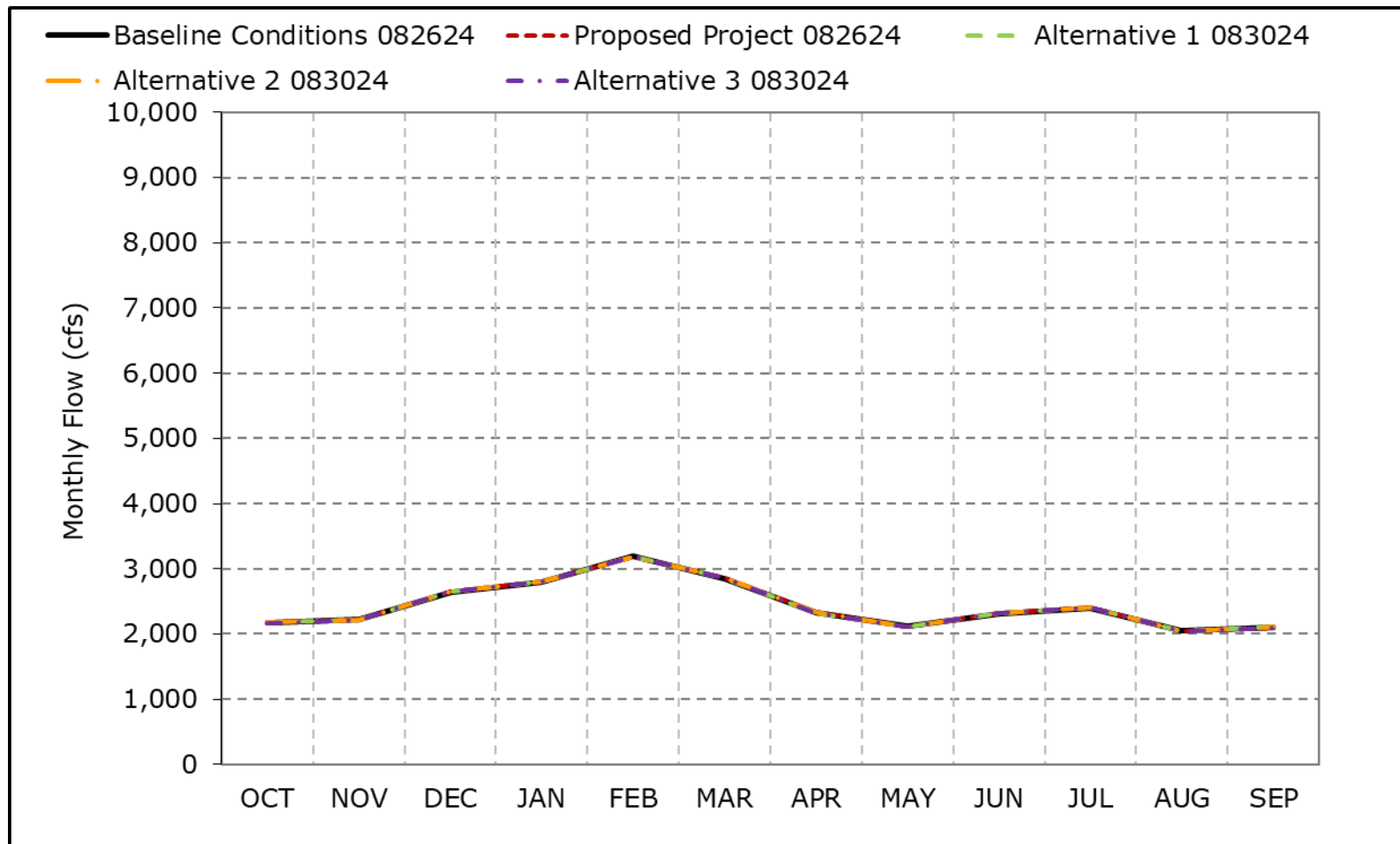


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with water year - year type sorting.

*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-3-2f. Georgiana Slough Flow, Critical Year Average Flow

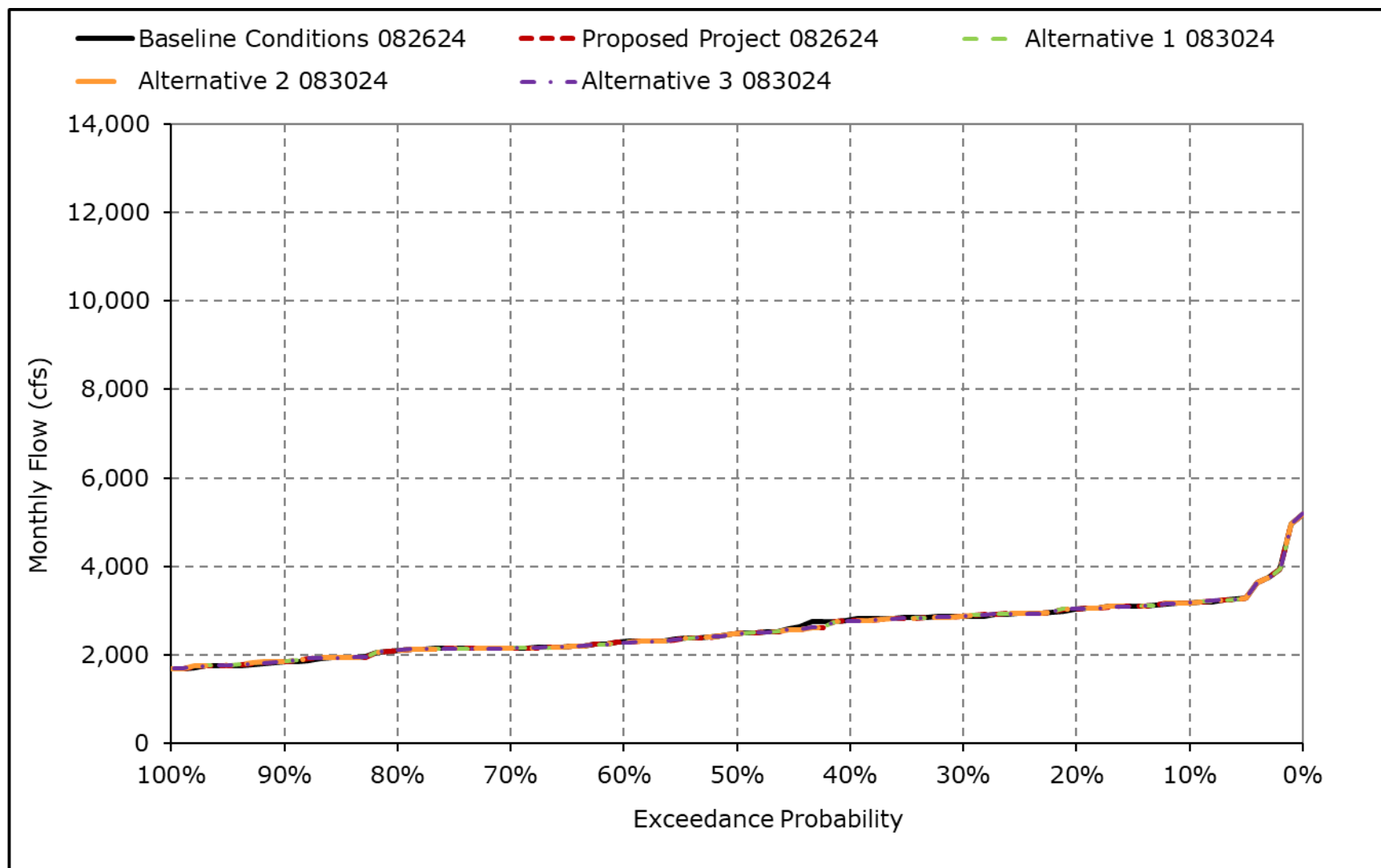


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with water year - year type sorting.

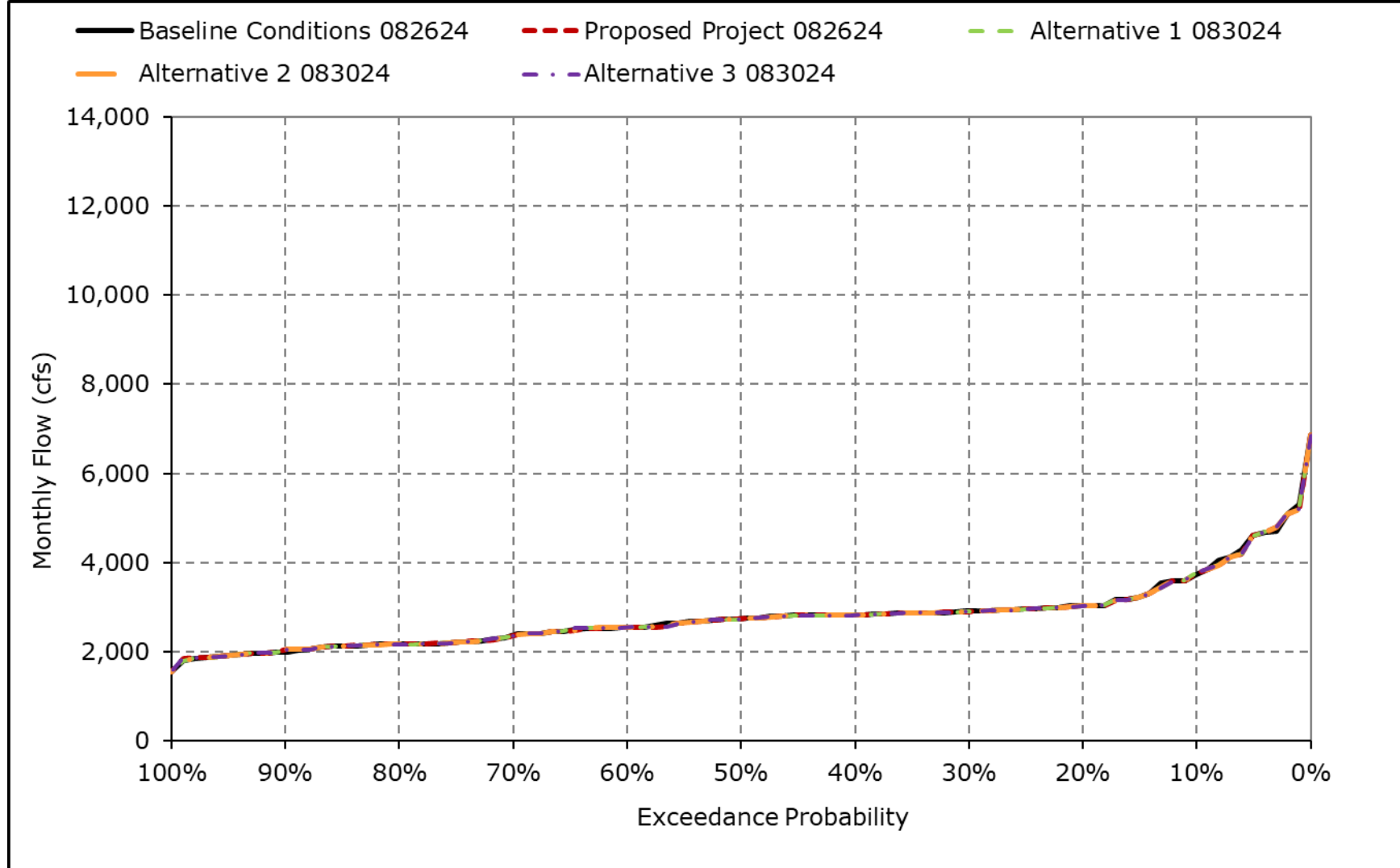
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-3-2g. Georgiana Slough Flow, October



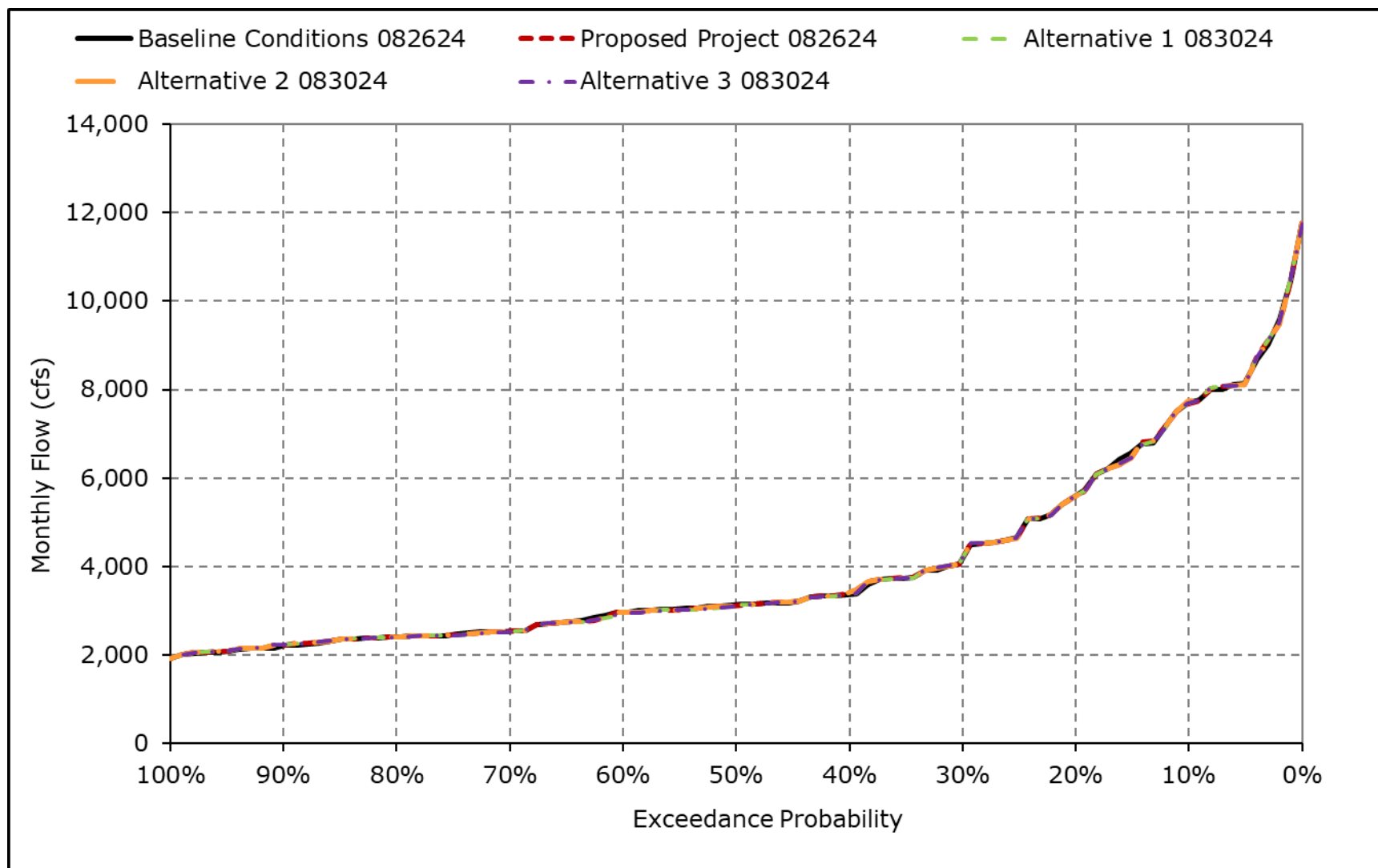
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-3-2h. Georgiana Slough Flow, November



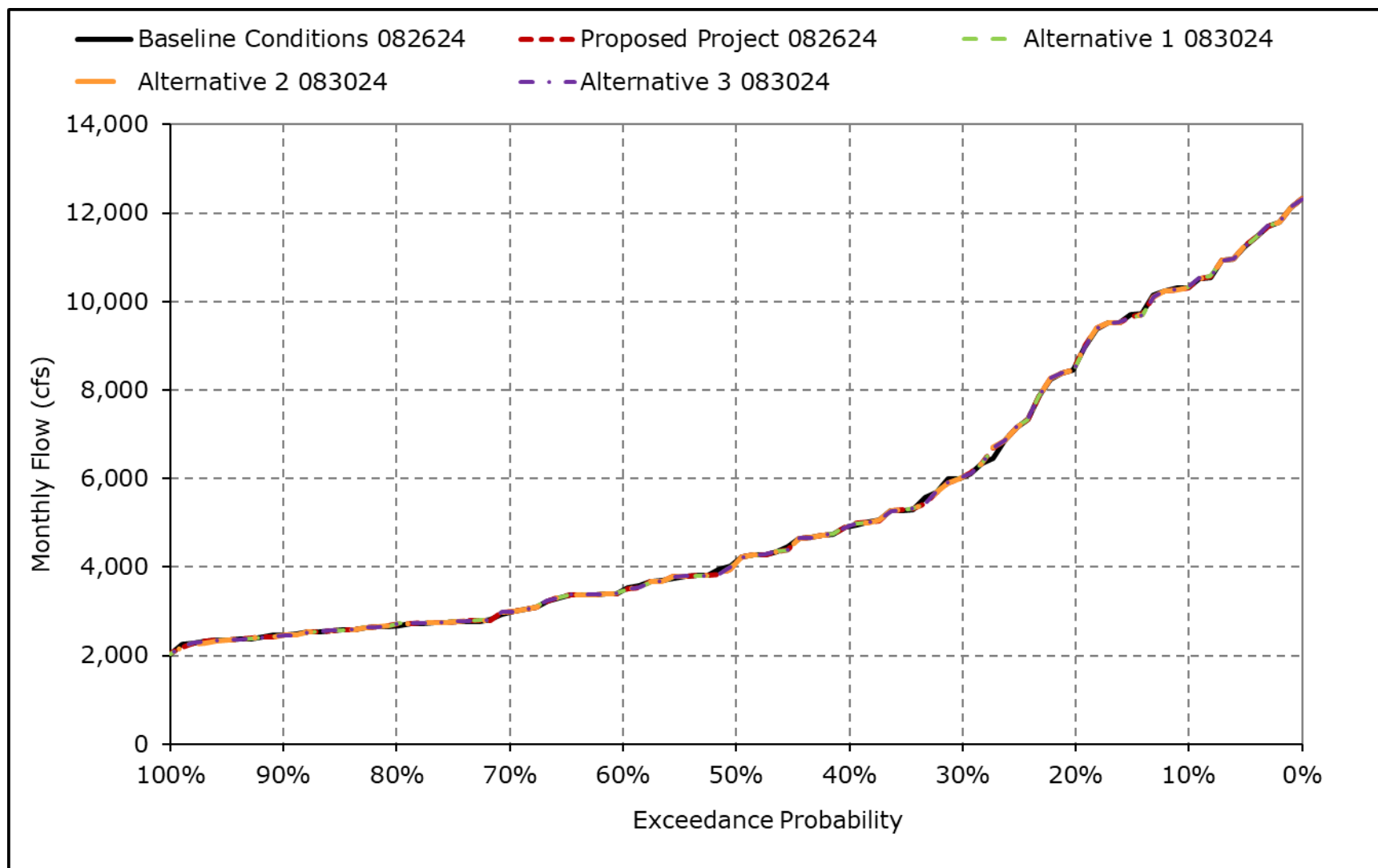
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-3-2i. Georgiana Slough Flow, December



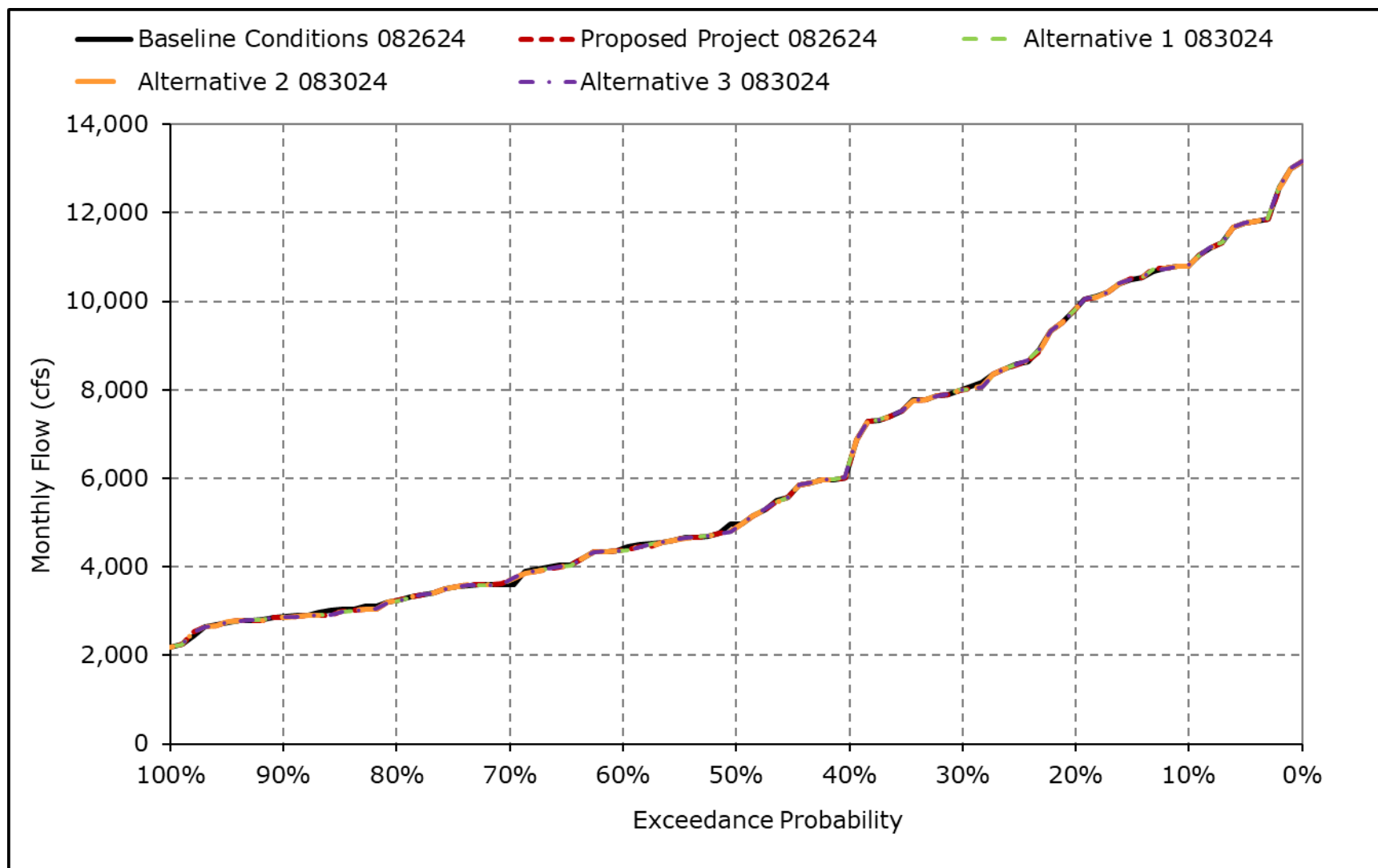
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-3-2j. Georgiana Slough Flow, January



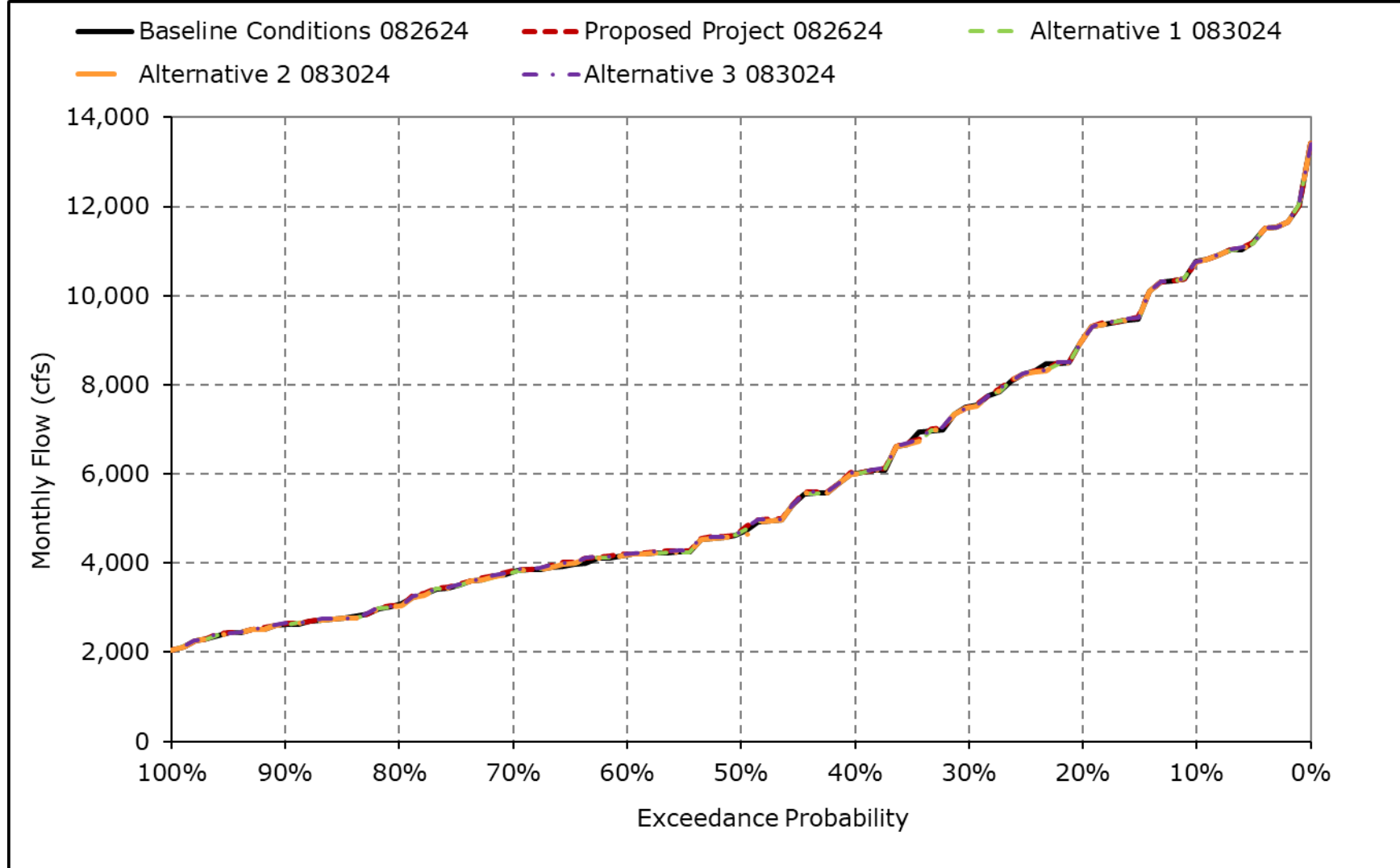
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-3-2k. Georgiana Slough Flow, February



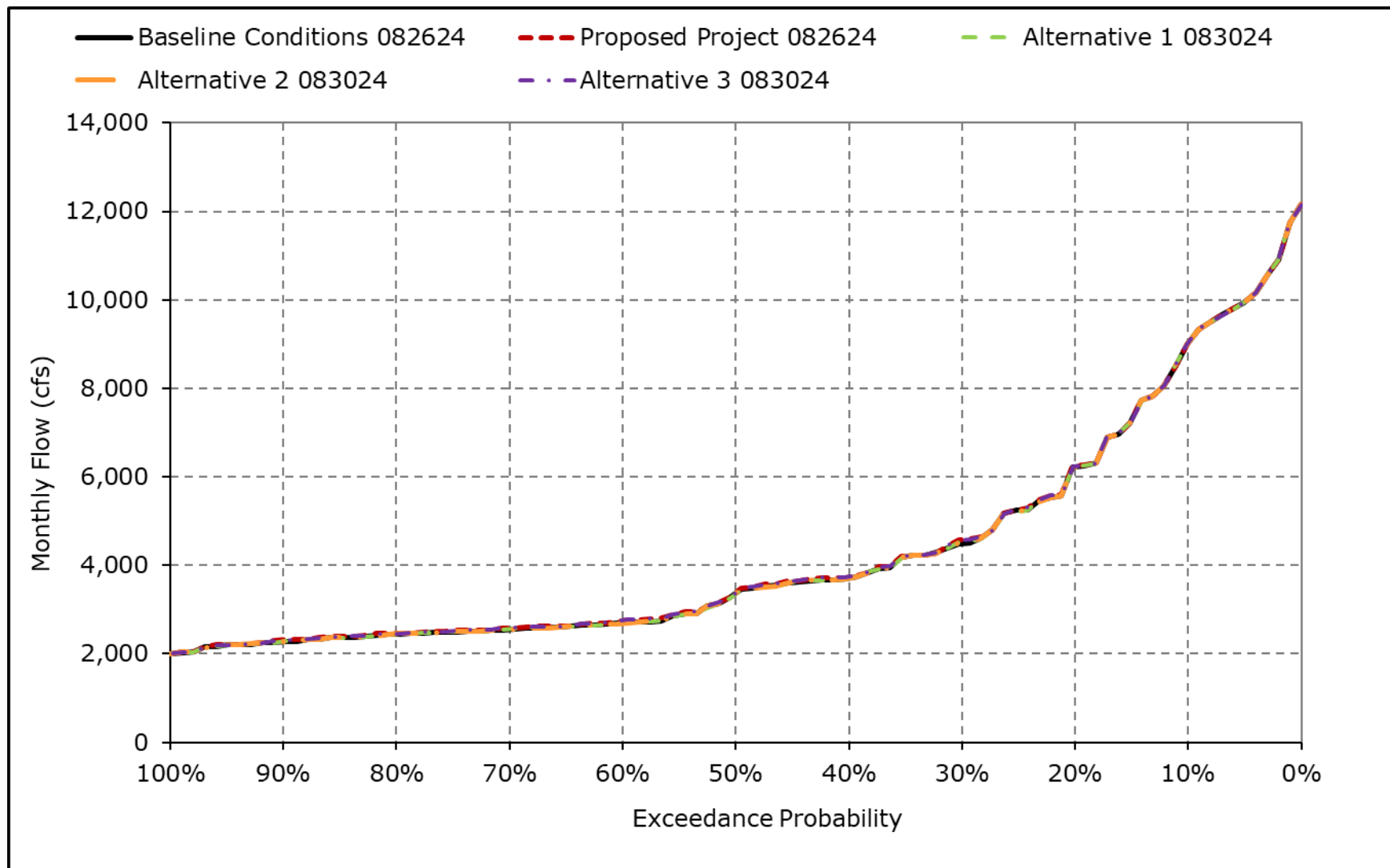
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-3-2I. Georgiana Slough Flow, March



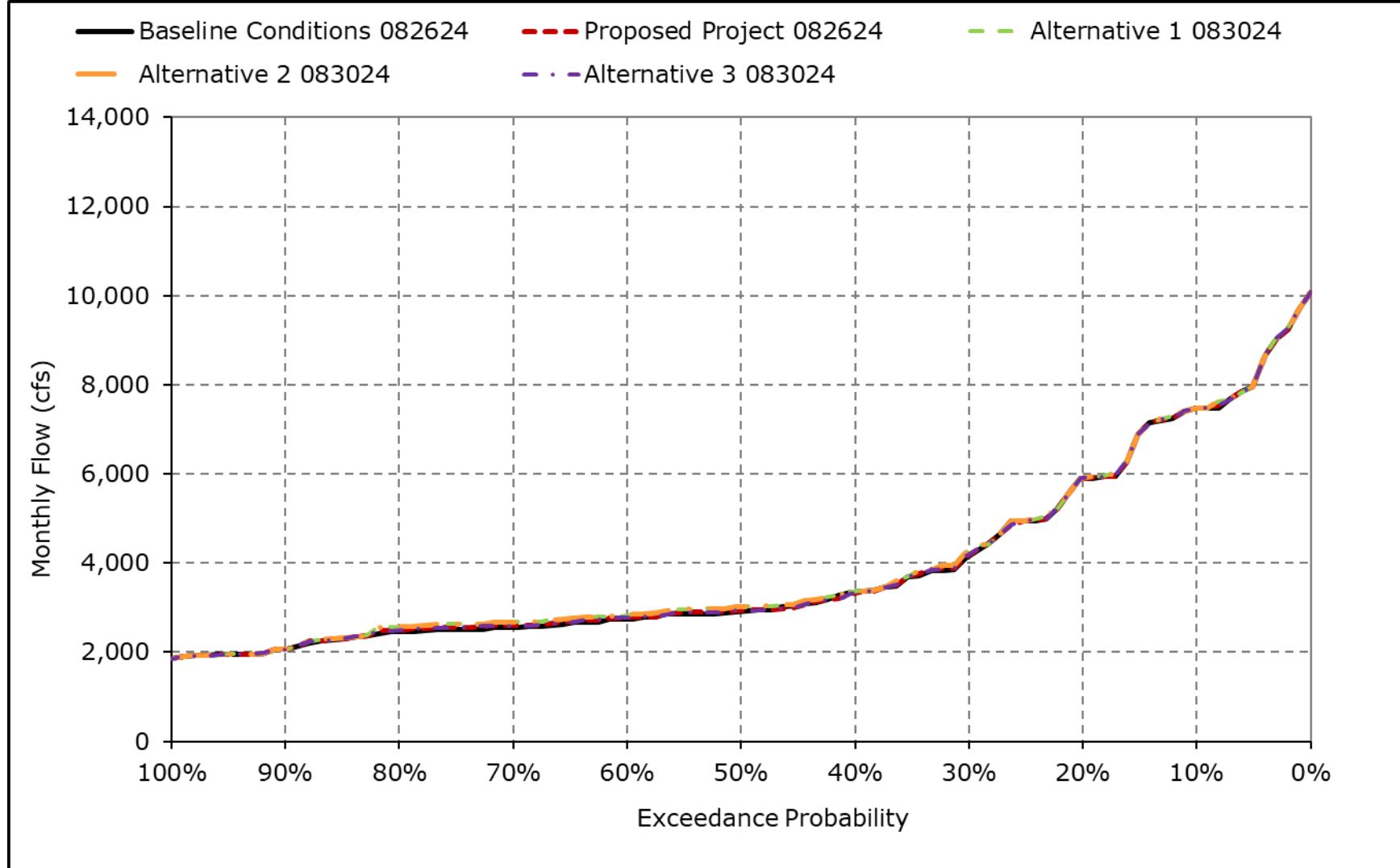
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-3-2m. Georgiana Slough Flow, April



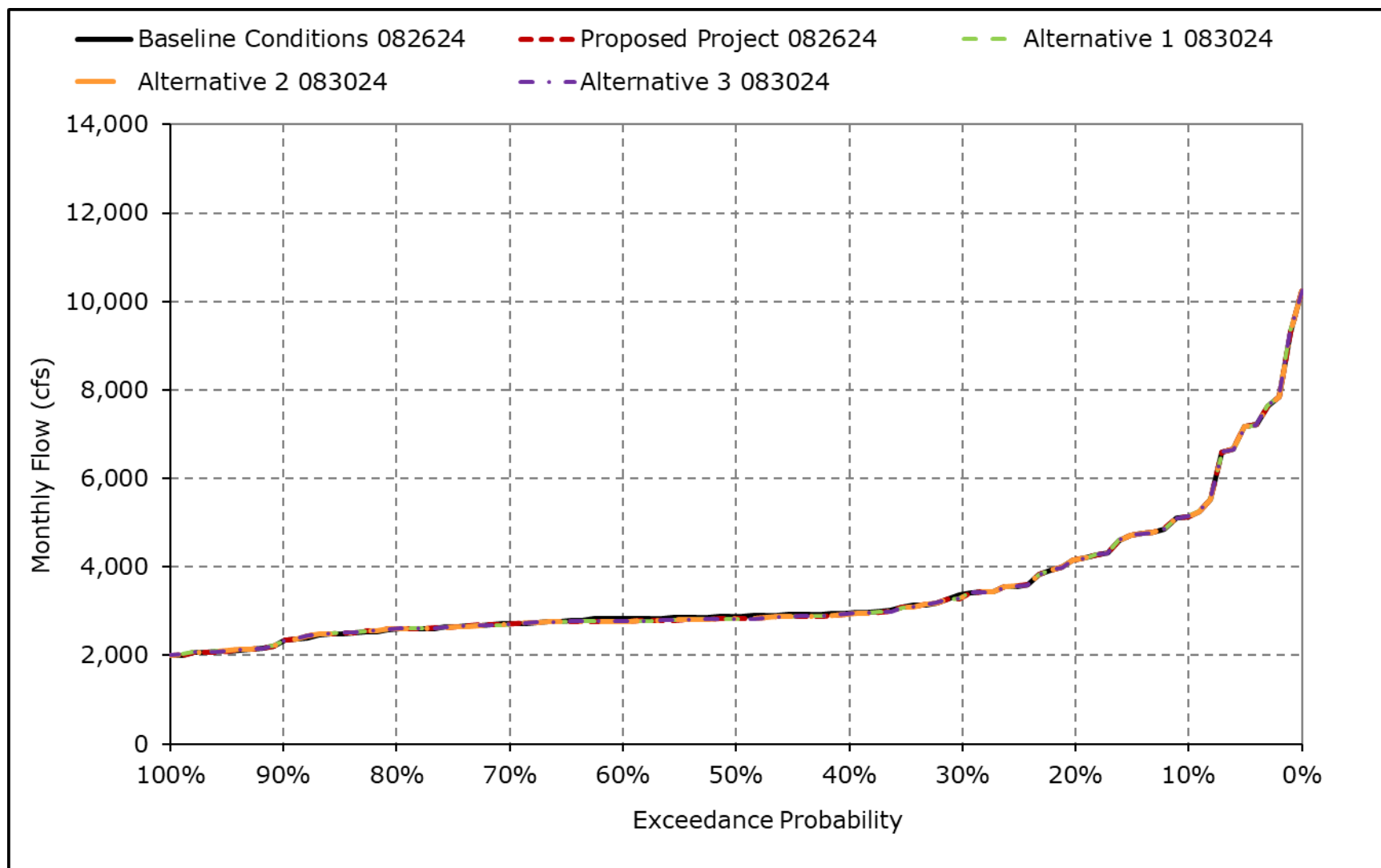
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-3-2n. Georgiana Slough Flow, May



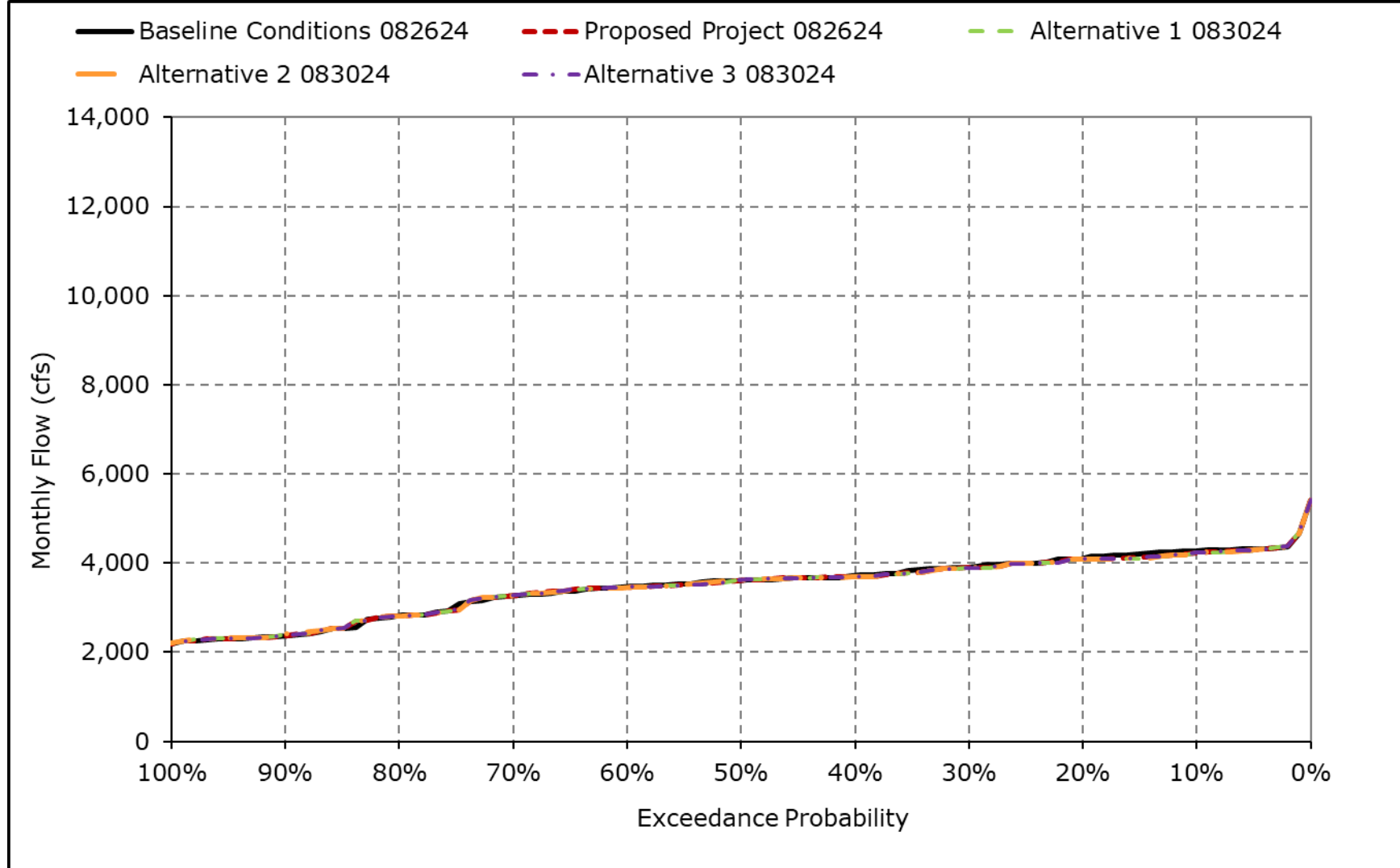
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-3-2o. Georgiana Slough Flow, June



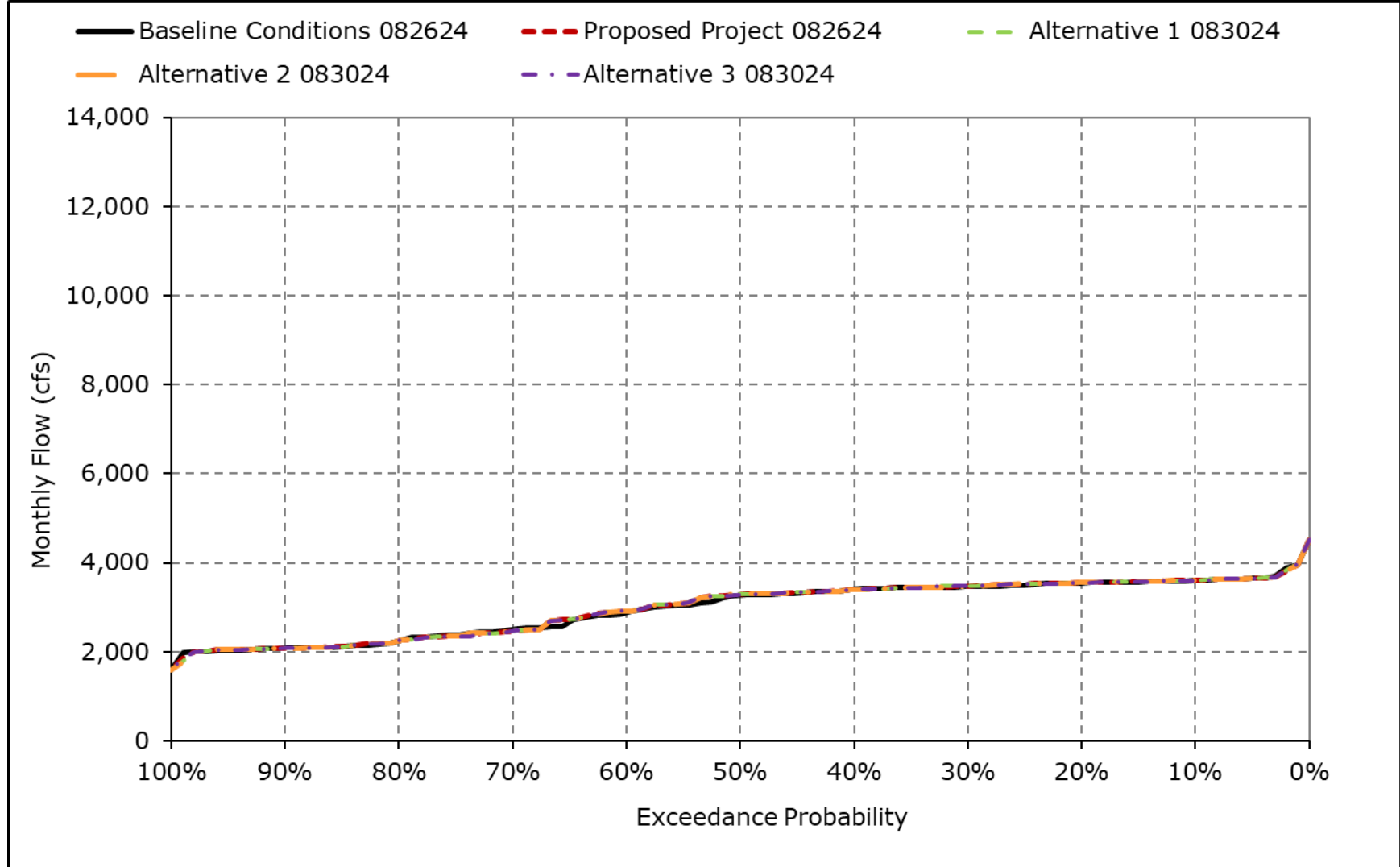
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-3-2p. Georgiana Slough Flow, July



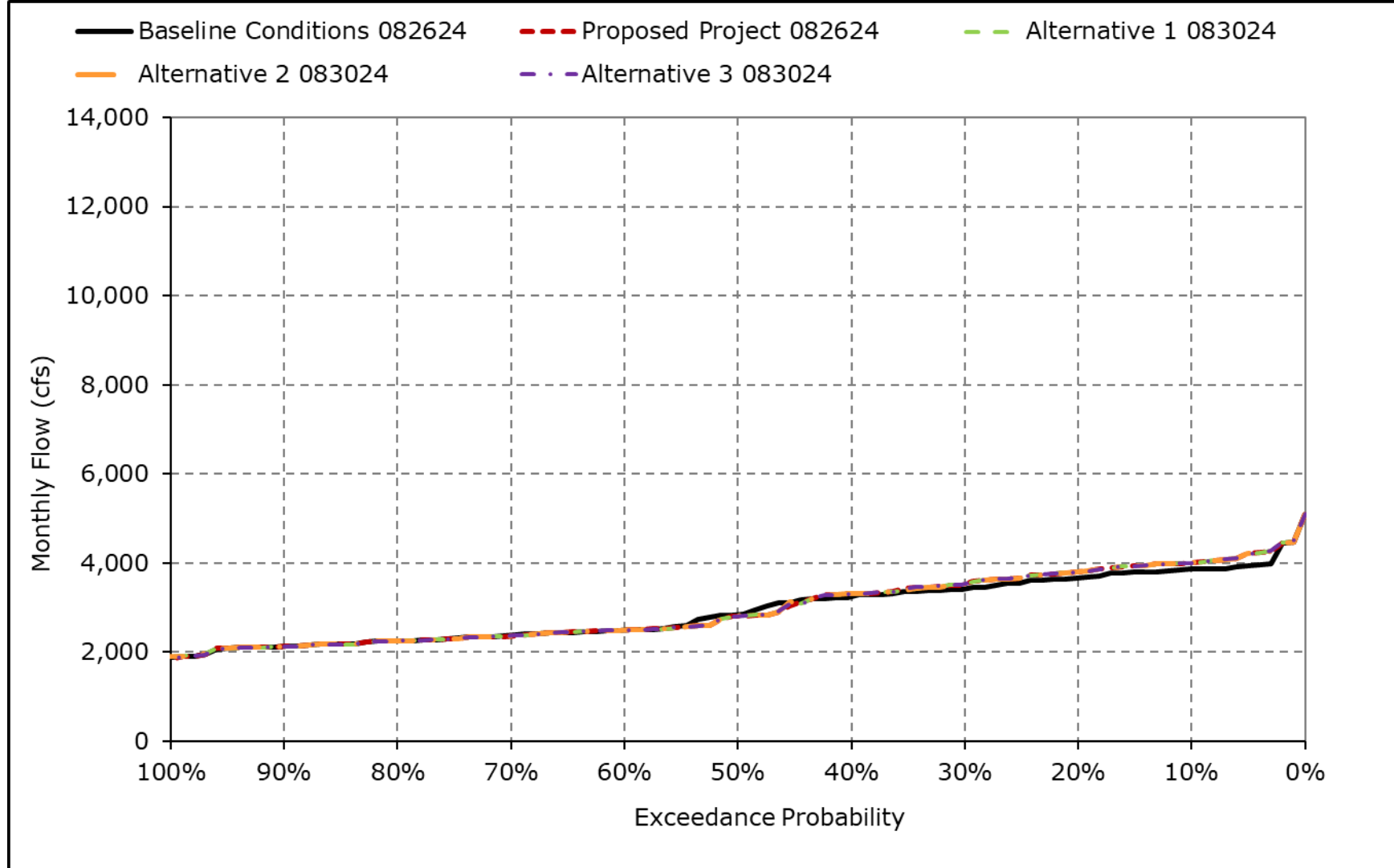
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-3-2q. Georgiana Slough Flow, August



*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-3-2r. Georgiana Slough Flow, September



*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Table 4C-3-3-1a. Yolo Bypass Flow, Baseline Conditions 082624, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	184	832	11,149	40,630	49,303	36,013	3,604	1,523	542	325	276	309
20% Exceedance	123	372	6,523	13,858	17,563	9,299	1,728	769	380	259	202	279
30% Exceedance	112	256	1,656	5,514	10,585	5,574	860	533	306	251	192	265
40% Exceedance	90	172	843	2,846	6,462	2,811	606	394	244	247	188	254
50% Exceedance	79	139	451	1,466	3,062	1,617	335	292	235	243	183	243
60% Exceedance	67	124	275	784	1,927	879	294	261	226	235	179	234
70% Exceedance	54	102	168	383	735	478	271	245	221	233	175	217
80% Exceedance	49	83	109	222	349	287	242	223	210	224	170	210
90% Exceedance	44	74	88	127	190	105	220	201	202	207	159	184
Full Simulation Period Average ^a	130	452	3,775	11,914	15,183	10,535	2,727	733	354	254	242	249
Wet Water Years (32%)	211	911	8,982	31,397	38,609	28,315	7,523	1,454	615	313	239	292
Above Normal Water Years (9%)	79	341	2,790	13,051	11,372	8,517	956	655	277	240	177	245
Below Normal Water Years (20%)	118	195	1,346	2,098	5,776	2,234	595	546	242	204	174	232
Dry Water Years (21%)	97	317	1,206	776	2,333	968	338	297	225	243	181	236
Critical Water Years (18%)	64	135	703	608	888	322	242	208	201	225	426	210

Table 4C-3-3-1b. Yolo Bypass Flow, Proposed Project 082624, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	185	832	11,114	40,350	49,649	36,064	3,605	1,608	543	325	274	308
20% Exceedance	124	372	6,525	13,933	17,584	9,367	1,730	875	380	259	202	280
30% Exceedance	111	256	1,656	5,515	10,584	5,567	861	535	306	251	192	265
40% Exceedance	91	175	845	2,845	6,460	2,867	606	405	243	248	188	254
50% Exceedance	79	138	451	1,471	3,013	1,619	332	302	234	243	183	243
60% Exceedance	67	124	275	785	1,914	878	294	263	226	235	180	234
70% Exceedance	55	102	165	381	734	478	271	245	221	233	176	220
80% Exceedance	49	86	109	222	349	294	242	227	209	224	171	209
90% Exceedance	42	74	88	127	188	105	220	201	202	207	162	187
Full Simulation Period Average ^a	131	439	3,769	11,916	15,195	10,531	2,723	748	353	254	253	249
Wet Water Years (32%)	212	907	8,955	31,406	38,712	28,325	7,512	1,453	614	313	239	289
Above Normal Water Years (9%)	79	347	2,748	13,047	11,338	8,517	954	656	277	241	177	235
Below Normal Water Years (20%)	119	194	1,372	2,094	5,698	2,232	595	619	242	204	181	234
Dry Water Years (21%)	97	260	1,214	777	2,323	933	338	298	225	243	182	240
Critical Water Years (18%)	64	135	703	608	888	322	241	208	201	225	480	212

Table 4C-3-3-1c. Yolo Bypass Flow, Proposed Project 082624 minus Baseline Conditions 082624, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1	-1	-35	-280	346	52	1	84	0	0	-1	-1
20% Exceedance	0	-1	2	75	20	68	2	105	1	0	0	0
30% Exceedance	-1	0	0	1	0	-8	1	3	0	0	0	1
40% Exceedance	1	3	2	-1	-2	57	-1	11	-1	0	0	0
50% Exceedance	0	-1	0	5	-48	2	-4	10	-1	0	1	0
60% Exceedance	0	0	0	0	-12	-1	0	2	0	0	1	0
70% Exceedance	1	0	-3	-3	0	0	0	0	0	0	1	2
80% Exceedance	0	3	0	0	0	7	0	4	0	0	1	-1
90% Exceedance	-2	0	0	0	-2	0	0	0	0	0	2	3
Full Simulation Period Average ^a	0	-13	-6	2	12	-5	-4	15	0	0	11	0
Wet Water Years (32%)	1	-5	-28	10	103	10	-11	-1	0	0	0	-3
Above Normal Water Years (9%)	0	6	-42	-4	-34	-1	-2	0	0	1	0	-10
Below Normal Water Years (20%)	0	0	25	-4	-78	-2	0	74	0	0	7	2
Dry Water Years (21%)	0	-57	7	1	-10	-35	0	1	0	0	0	5
Critical Water Years (18%)	0	1	0	0	0	0	0	0	0	0	55	2

^a Based on the 100-year simulation period.

* All scenarios are simulated at current climate condition and 0 cm sea level rise.

* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with water year - year type sorting.

Table 4C-3-3-2a. Yolo Bypass Flow, Baseline Conditions 082624, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	184	832	11,149	40,630	49,303	36,013	3,604	1,523	542	325	276	309
20% Exceedance	123	372	6,523	13,858	17,563	9,299	1,728	769	380	259	202	279
30% Exceedance	112	256	1,656	5,514	10,585	5,574	860	533	306	251	192	265
40% Exceedance	90	172	843	2,846	6,462	2,811	606	394	244	247	188	254
50% Exceedance	79	139	451	1,466	3,062	1,617	335	292	235	243	183	243
60% Exceedance	67	124	275	784	1,927	879	294	261	226	235	179	234
70% Exceedance	54	102	168	383	735	478	271	245	221	233	175	217
80% Exceedance	49	83	109	222	349	287	242	223	210	224	170	210
90% Exceedance	44	74	88	127	190	105	220	201	202	207	159	184
Full Simulation Period Average ^a	130	452	3,775	11,914	15,183	10,535	2,727	733	354	254	242	249
Wet Water Years (32%)	211	911	8,982	31,397	38,609	28,315	7,523	1,454	615	313	239	292
Above Normal Water Years (9%)	79	341	2,790	13,051	11,372	8,517	956	655	277	240	177	245
Below Normal Water Years (20%)	118	195	1,346	2,098	5,776	2,234	595	546	242	204	174	232
Dry Water Years (21%)	97	317	1,206	776	2,333	968	338	297	225	243	181	236
Critical Water Years (18%)	64	135	703	608	888	322	242	208	201	225	426	210

Table 4C-3-3-2b. Yolo Bypass Flow, Alternative 1 083024, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	185	832	11,113	40,348	49,645	36,107	3,620	1,608	543	325	274	307
20% Exceedance	124	372	6,525	13,977	17,583	9,401	1,730	875	380	259	202	279
30% Exceedance	111	256	1,656	5,515	10,584	5,567	861	535	306	251	192	265
40% Exceedance	91	176	845	2,844	6,459	2,842	605	405	243	247	188	253
50% Exceedance	79	139	451	1,471	3,048	1,618	336	303	235	243	183	244
60% Exceedance	67	124	275	785	1,914	878	294	263	226	235	180	234
70% Exceedance	55	102	165	381	734	478	271	245	221	231	176	220
80% Exceedance	49	86	109	222	348	294	242	227	209	222	171	209
90% Exceedance	42	74	88	127	188	105	220	201	202	207	162	187
Full Simulation Period Average ^a	131	439	3,761	11,921	15,205	10,532	2,723	748	354	254	259	249
Wet Water Years (32%)	212	906	8,935	31,421	38,735	28,330	7,510	1,452	614	313	239	289
Above Normal Water Years (9%)	79	347	2,749	13,047	11,349	8,512	954	655	277	241	177	235
Below Normal Water Years (20%)	119	194	1,373	2,096	5,706	2,233	596	620	242	204	181	234
Dry Water Years (21%)	97	260	1,203	777	2,323	933	338	298	225	243	182	240
Critical Water Years (18%)	64	136	704	608	888	322	241	208	203	223	514	213

Table 4C-3-3-2c. Yolo Bypass Flow, Alternative 1 083024 minus Baseline Conditions 082624, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1	0	-36	-283	342	95	15	84	0	0	-2	-2
20% Exceedance	0	0	2	119	20	103	1	105	1	0	0	0
30% Exceedance	-1	0	0	1	-1	-8	1	3	0	0	0	1
40% Exceedance	1	4	2	-2	-3	32	-1	11	-2	0	0	-1
50% Exceedance	0	0	0	5	-14	1	1	10	-1	0	1	1
60% Exceedance	0	0	0	0	-13	-1	0	2	0	0	1	0
70% Exceedance	1	0	-3	-3	0	0	0	0	1	-2	1	3
80% Exceedance	0	3	0	0	-1	7	0	4	0	-2	1	-1
90% Exceedance	-2	0	0	1	-2	0	0	0	0	0	2	3
Full Simulation Period Average ^a	0	-13	-14	7	22	-3	-4	15	0	0	17	0
Wet Water Years (32%)	0	-5	-47	24	126	15	-13	-2	-1	0	0	-3
Above Normal Water Years (9%)	0	6	-41	-4	-23	-6	-2	0	0	1	0	-10
Below Normal Water Years (20%)	0	-1	26	-2	-70	-1	1	74	0	0	7	2
Dry Water Years (21%)	0	-57	-3	1	-10	-35	0	1	0	0	0	4
Critical Water Years (18%)	0	1	0	0	0	0	-1	0	1	-2	88	3

^a Based on the 100-year simulation period.

* All scenarios are simulated at current climate condition and 0 cm sea level rise.

* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with water year - year type sorting.

Table 4C-3-3-3a. Yolo Bypass Flow, Baseline Conditions 082624, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	184	832	11,149	40,630	49,303	36,013	3,604	1,523	542	325	276	309
20% Exceedance	123	372	6,523	13,858	17,563	9,299	1,728	769	380	259	202	279
30% Exceedance	112	256	1,656	5,514	10,585	5,574	860	533	306	251	192	265
40% Exceedance	90	172	843	2,846	6,462	2,811	606	394	244	247	188	254
50% Exceedance	79	139	451	1,466	3,062	1,617	335	292	235	243	183	243
60% Exceedance	67	124	275	784	1,927	879	294	261	226	235	179	234
70% Exceedance	54	102	168	383	735	478	271	245	221	233	175	217
80% Exceedance	49	83	109	222	349	287	242	223	210	224	170	210
90% Exceedance	44	74	88	127	190	105	220	201	202	207	159	184
Full Simulation Period Average ^a	130	452	3,775	11,914	15,183	10,535	2,727	733	354	254	242	249
Wet Water Years (32%)	211	911	8,982	31,397	38,609	28,315	7,523	1,454	615	313	239	292
Above Normal Water Years (9%)	79	341	2,790	13,051	11,372	8,517	956	655	277	240	177	245
Below Normal Water Years (20%)	118	195	1,346	2,098	5,776	2,234	595	546	242	204	174	232
Dry Water Years (21%)	97	317	1,206	776	2,333	968	338	297	225	243	181	236
Critical Water Years (18%)	64	135	703	608	888	322	242	208	201	225	426	210

Table 4C-3-3-3b. Yolo Bypass Flow, Alternative 2 083024, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	185	832	11,113	40,347	49,645	36,107	3,605	1,608	543	325	274	307
20% Exceedance	124	372	6,525	13,964	17,583	9,400	1,730	875	380	259	202	279
30% Exceedance	111	255	1,656	5,515	10,584	5,567	861	535	306	251	192	265
40% Exceedance	91	176	845	2,844	6,459	2,858	605	405	243	247	188	253
50% Exceedance	79	139	451	1,471	3,014	1,618	336	303	235	243	183	244
60% Exceedance	67	124	275	785	1,914	878	294	263	226	235	180	234
70% Exceedance	55	102	165	381	734	478	271	245	221	231	176	221
80% Exceedance	49	86	109	222	348	294	242	227	209	222	171	209
90% Exceedance	42	74	88	127	188	105	220	201	202	207	162	187
Full Simulation Period Average ^a	130	439	3,772	11,917	15,202	10,531	2,722	748	354	254	259	249
Wet Water Years (32%)	212	906	8,969	31,410	38,733	28,330	7,510	1,452	614	312	238	289
Above Normal Water Years (9%)	79	347	2,749	13,047	11,341	8,514	954	655	277	241	177	235
Below Normal Water Years (20%)	119	194	1,373	2,093	5,697	2,233	595	620	242	204	181	234
Dry Water Years (21%)	97	260	1,203	777	2,322	927	338	298	225	243	182	240
Critical Water Years (18%)	64	136	703	608	888	322	241	208	203	223	513	213

Table 4C-3-3-3c. Yolo Bypass Flow, Alternative 2 083024 minus Baseline Conditions 082624, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1	0	-36	-283	341	95	0	84	0	0	-2	-2
20% Exceedance	0	0	2	106	20	101	1	105	1	0	0	0
30% Exceedance	-1	0	0	1	0	-8	0	3	0	0	0	1
40% Exceedance	1	4	2	-2	-3	47	-1	11	-2	0	0	-1
50% Exceedance	0	0	0	5	-48	2	0	10	-1	0	1	1
60% Exceedance	0	0	0	0	-13	-2	0	2	0	0	1	0
70% Exceedance	1	0	-3	-3	0	0	0	0	1	-2	1	4
80% Exceedance	0	3	0	0	-1	7	0	4	0	-2	1	-1
90% Exceedance	-2	0	0	0	-2	0	0	0	0	-1	2	3
Full Simulation Period Average ^a	0	-13	-3	3	19	-5	-5	15	0	0	17	0
Wet Water Years (32%)	0	-5	-13	13	124	15	-14	-2	-1	0	0	-3
Above Normal Water Years (9%)	0	6	-41	-4	-31	-3	-2	0	0	1	0	-10
Below Normal Water Years (20%)	0	-1	27	-5	-79	-2	1	74	0	0	7	2
Dry Water Years (21%)	0	-57	-4	1	-11	-41	0	1	0	0	0	4
Critical Water Years (18%)	0	1	0	0	0	0	-1	0	1	-2	88	3

^a Based on the 100-year simulation period.

* All scenarios are simulated at current climate condition and 0 cm sea level rise.

* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with water year - year type sorting.

Table 4C-3-3-4a. Yolo Bypass Flow, Baseline Conditions 082624, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	184	832	11,149	40,630	49,303	36,013	3,604	1,523	542	325	276	309
20% Exceedance	123	372	6,523	13,858	17,563	9,299	1,728	769	380	259	202	279
30% Exceedance	112	256	1,656	5,514	10,585	5,574	860	533	306	251	192	265
40% Exceedance	90	172	843	2,846	6,462	2,811	606	394	244	247	188	254
50% Exceedance	79	139	451	1,466	3,062	1,617	335	292	235	243	183	243
60% Exceedance	67	124	275	784	1,927	879	294	261	226	235	179	234
70% Exceedance	54	102	168	383	735	478	271	245	221	233	175	217
80% Exceedance	49	83	109	222	349	287	242	223	210	224	170	210
90% Exceedance	44	74	88	127	190	105	220	201	202	207	159	184
Full Simulation Period Average ^a	130	452	3,775	11,914	15,183	10,535	2,727	733	354	254	242	249
Wet Water Years (32%)	211	911	8,982	31,397	38,609	28,315	7,523	1,454	615	313	239	292
Above Normal Water Years (9%)	79	341	2,790	13,051	11,372	8,517	956	655	277	240	177	245
Below Normal Water Years (20%)	118	195	1,346	2,098	5,776	2,234	595	546	242	204	174	232
Dry Water Years (21%)	97	317	1,206	776	2,333	968	338	297	225	243	181	236
Critical Water Years (18%)	64	135	703	608	888	322	242	208	201	225	426	210

Table 4C-3-3-4b. Yolo Bypass Flow, Alternative 3 083024, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	185	832	11,114	40,350	49,649	36,064	3,620	1,608	543	325	274	308
20% Exceedance	124	372	6,525	13,900	17,584	9,369	1,730	875	380	259	202	280
30% Exceedance	111	256	1,656	5,515	10,584	5,567	861	535	306	251	192	265
40% Exceedance	91	175	845	2,845	6,460	2,856	606	405	243	248	188	254
50% Exceedance	79	138	451	1,471	3,048	1,619	338	302	234	243	183	243
60% Exceedance	67	124	275	785	1,914	878	294	263	226	235	180	234
70% Exceedance	55	102	165	381	734	478	271	245	221	233	176	221
80% Exceedance	49	86	109	222	348	294	242	228	209	224	171	209
90% Exceedance	42	74	88	127	188	105	220	201	202	207	162	187
Full Simulation Period Average ^a	131	439	3,760	11,919	15,199	10,531	2,723	748	353	254	254	249
Wet Water Years (32%)	212	907	8,933	31,414	38,714	28,325	7,512	1,453	614	313	239	289
Above Normal Water Years (9%)	79	347	2,748	13,047	11,346	8,515	954	656	277	241	177	235
Below Normal Water Years (20%)	119	194	1,372	2,096	5,706	2,233	595	620	242	204	181	234
Dry Water Years (21%)	97	260	1,204	777	2,323	933	338	298	225	243	182	240
Critical Water Years (18%)	64	136	703	608	888	322	241	208	201	225	488	213

Table 4C-3-3-4c. Yolo Bypass Flow, Alternative 3 083024 minus Baseline Conditions 082624, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1	0	-35	-281	346	52	15	84	0	0	-1	-1
20% Exceedance	0	-1	2	42	20	70	2	105	1	0	0	0
30% Exceedance	-1	0	0	2	0	-8	1	3	0	0	0	1
40% Exceedance	1	3	2	-1	-2	46	-1	11	-1	0	0	0
50% Exceedance	0	-1	0	5	-14	2	3	10	-1	0	1	0
60% Exceedance	0	0	0	0	-13	-1	0	2	0	0	1	0
70% Exceedance	1	0	-3	-3	0	0	0	0	0	0	1	4
80% Exceedance	0	3	0	0	-1	7	0	4	0	0	1	-1
90% Exceedance	-2	0	0	1	-2	0	0	0	0	0	2	3
Full Simulation Period Average ^a	0	-13	-15	5	15	-5	-4	15	0	0	13	0
Wet Water Years (32%)	1	-5	-49	18	105	10	-11	-1	-1	0	0	-2
Above Normal Water Years (9%)	0	5	-42	-4	-26	-3	-2	0	0	1	0	-10
Below Normal Water Years (20%)	0	-1	25	-2	-70	-1	0	74	0	0	7	2
Dry Water Years (21%)	0	-57	-3	1	-10	-35	0	1	0	0	0	5
Critical Water Years (18%)	0	1	0	0	0	0	0	0	0	0	62	3

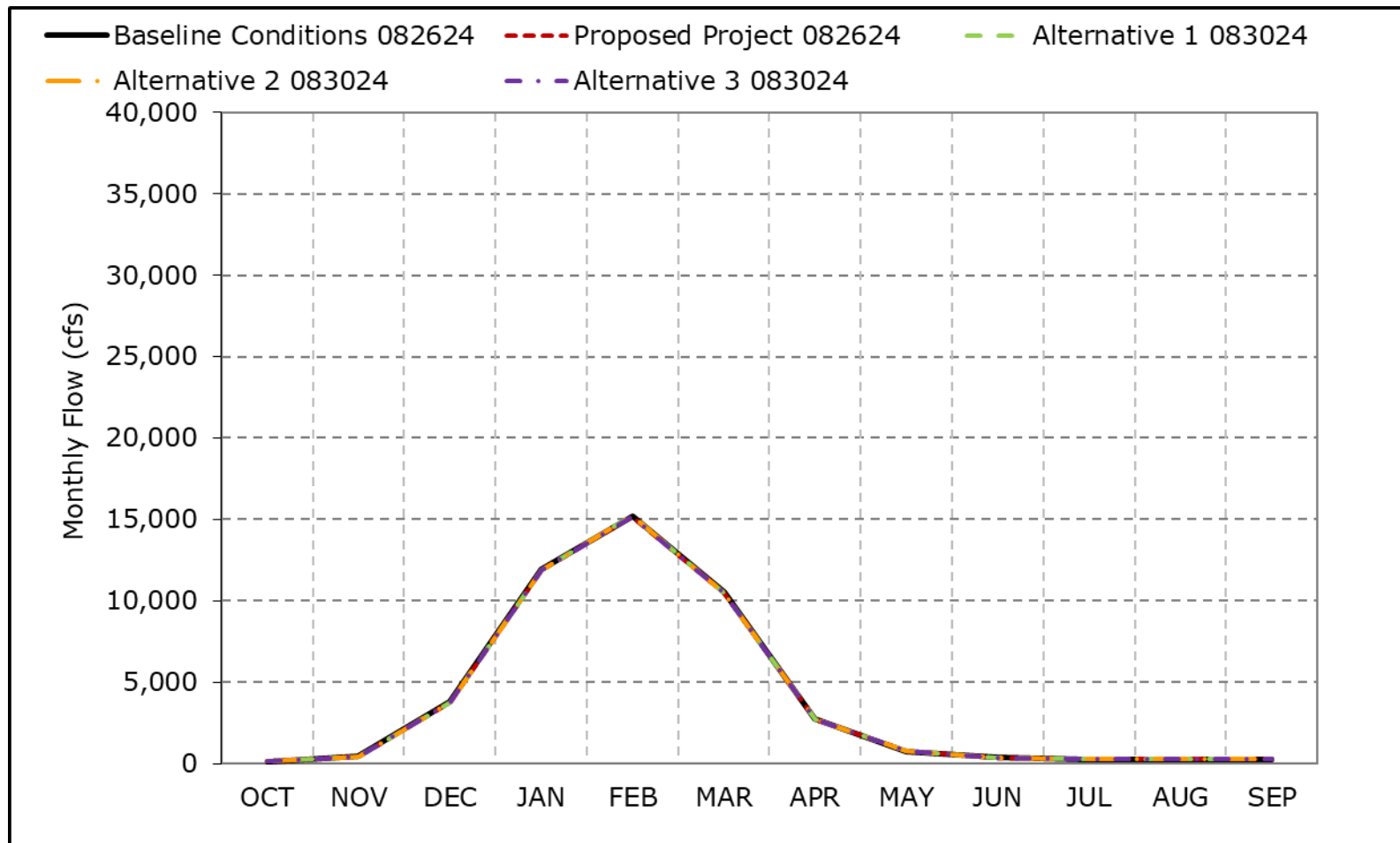
^a Based on the 100-year simulation period.

* All scenarios are simulated at current climate condition and 0 cm sea level rise.

* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with water year - year type sorting.

Figure 4C-3-3a. Yolo Bypass Flow, Long-Term Average Flow

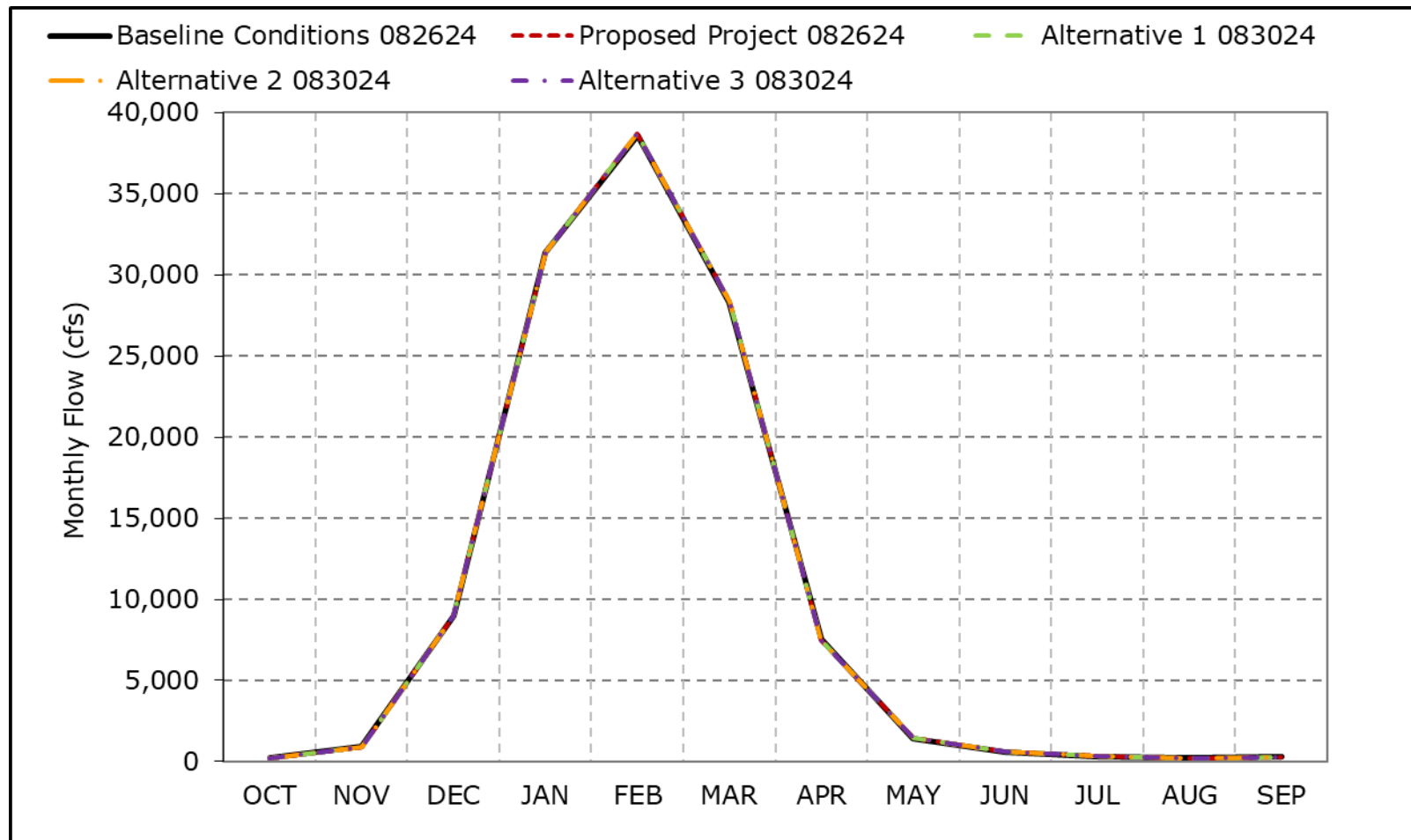


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with water year - year type sorting.

*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-3-3b. Yolo Bypass Flow, Wet Year Average Flow

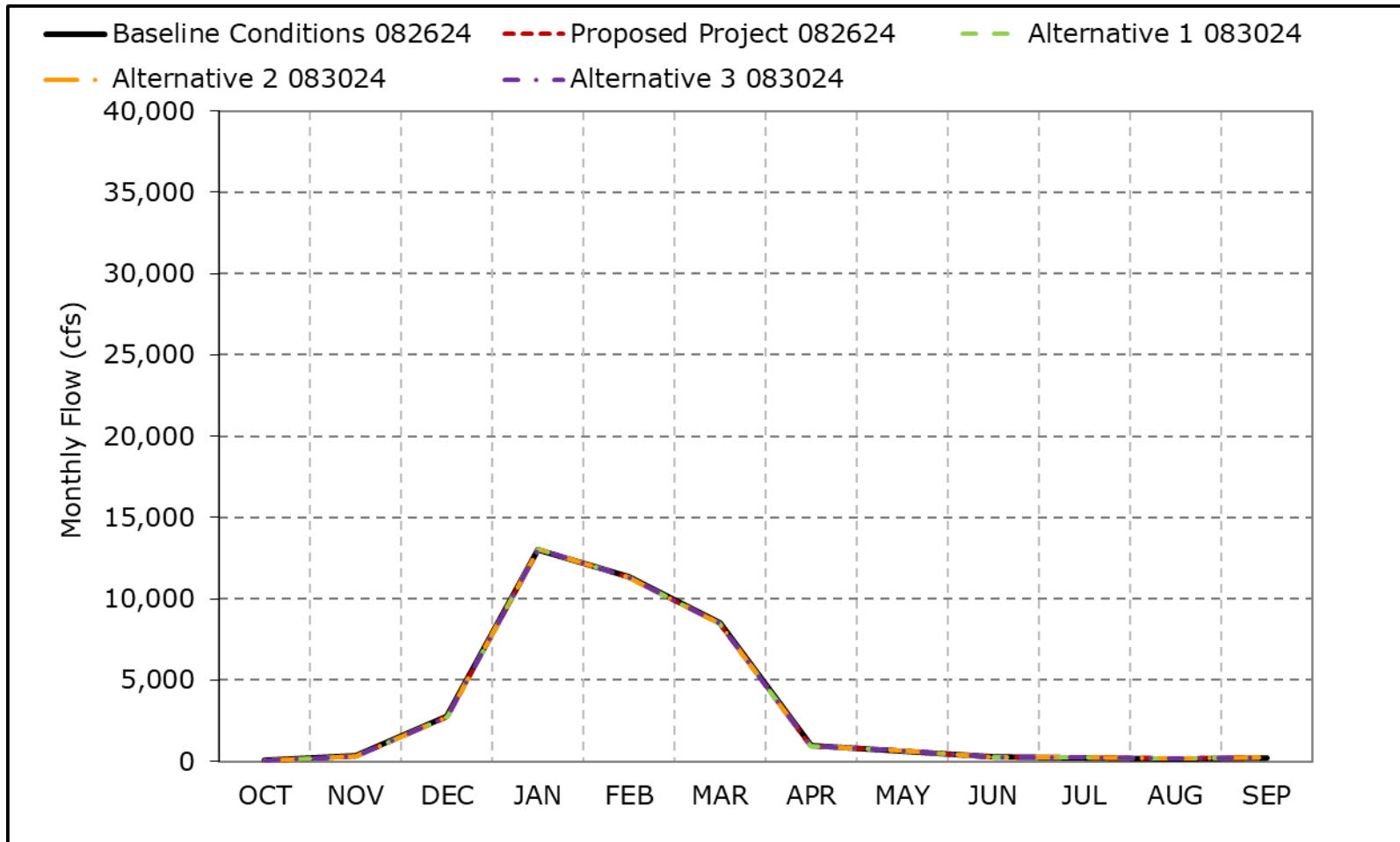


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with water year - year type sorting.

*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-3-3c. Yolo Bypass Flow, Above Normal Year Average Flow

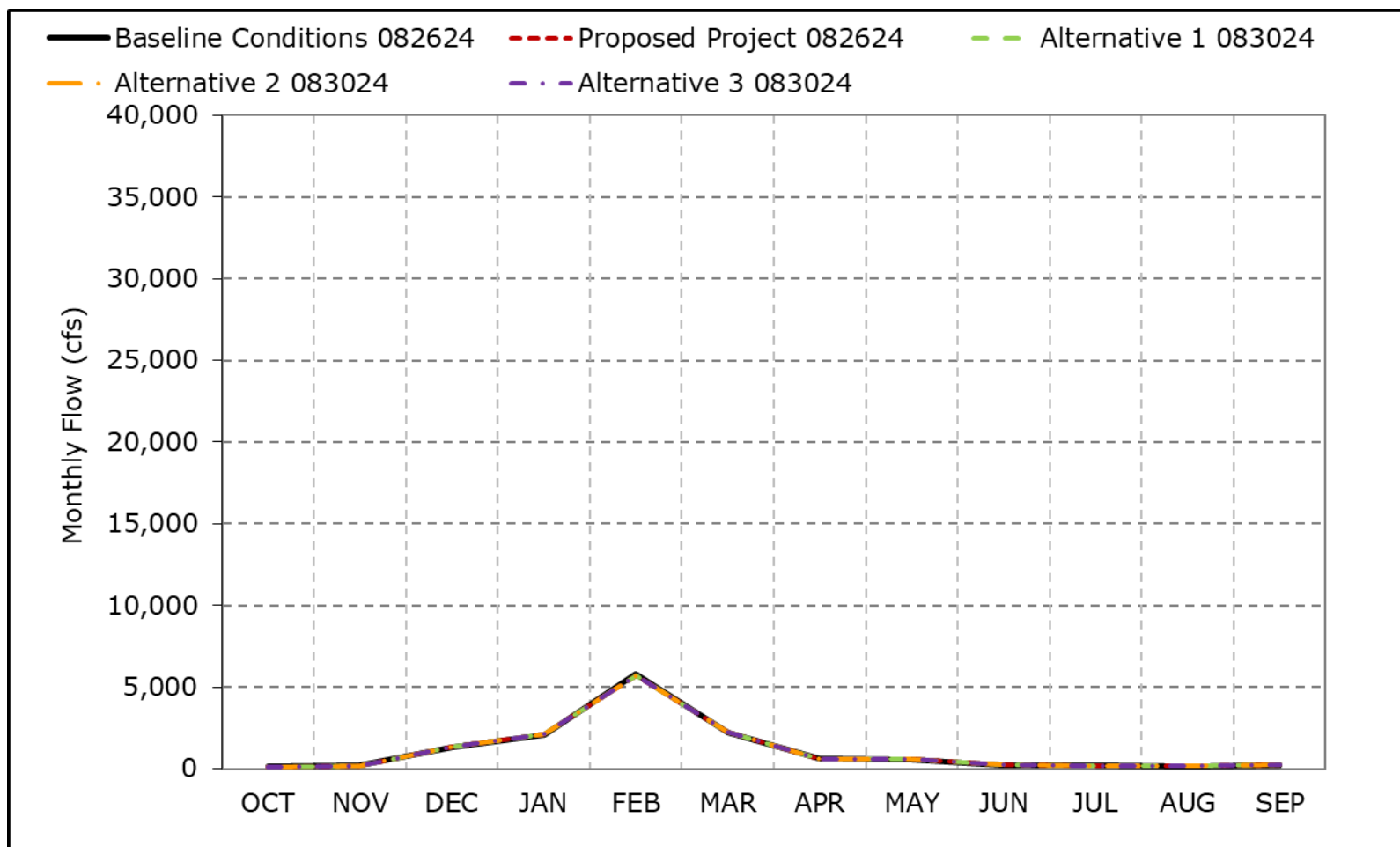


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with water year - year type sorting.

*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-3-3d. Yolo Bypass Flow, Below Normal Year Average Flow

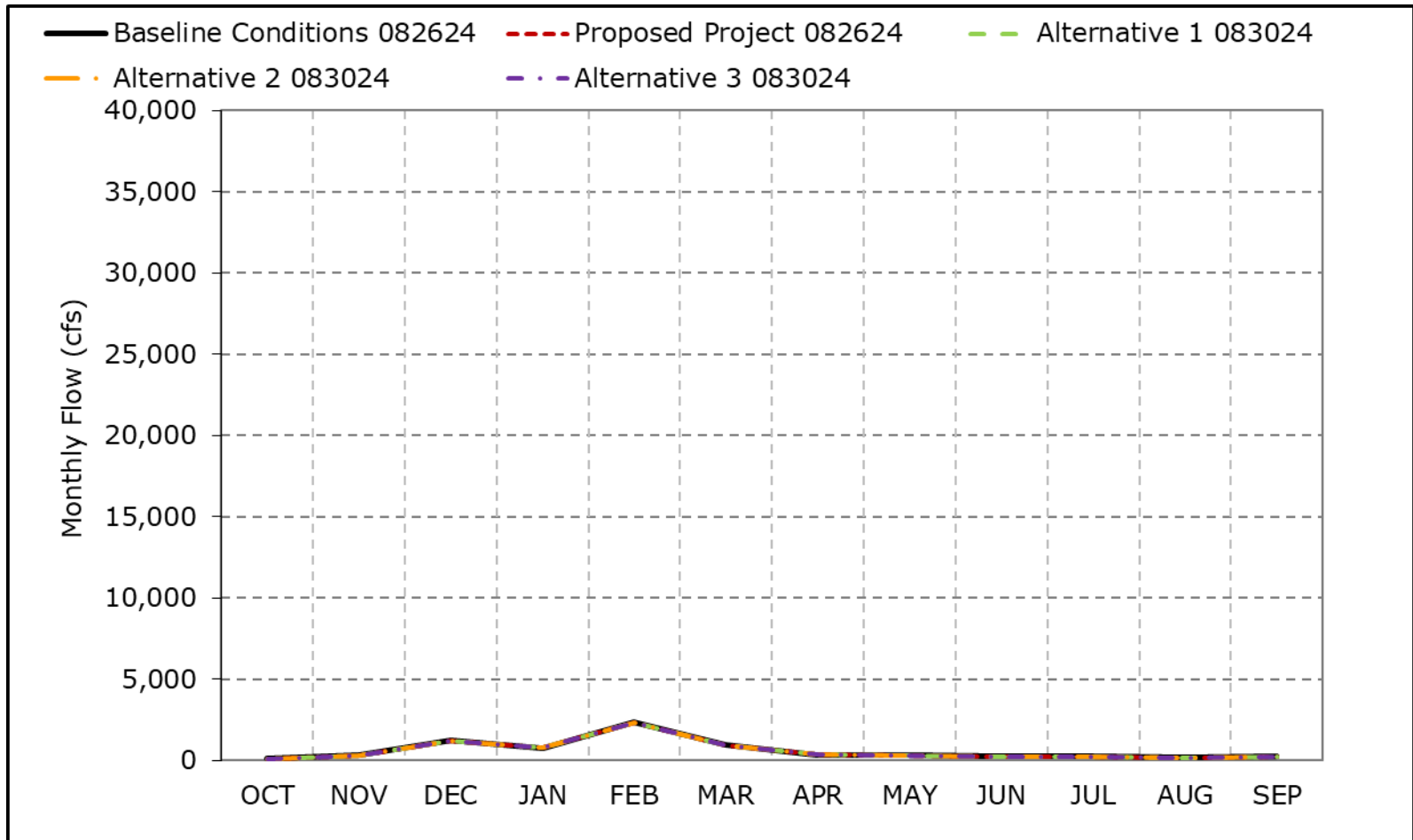


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with water year - year type sorting.

*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-3-3e. Yolo Bypass Flow, Dry Year Average Flow

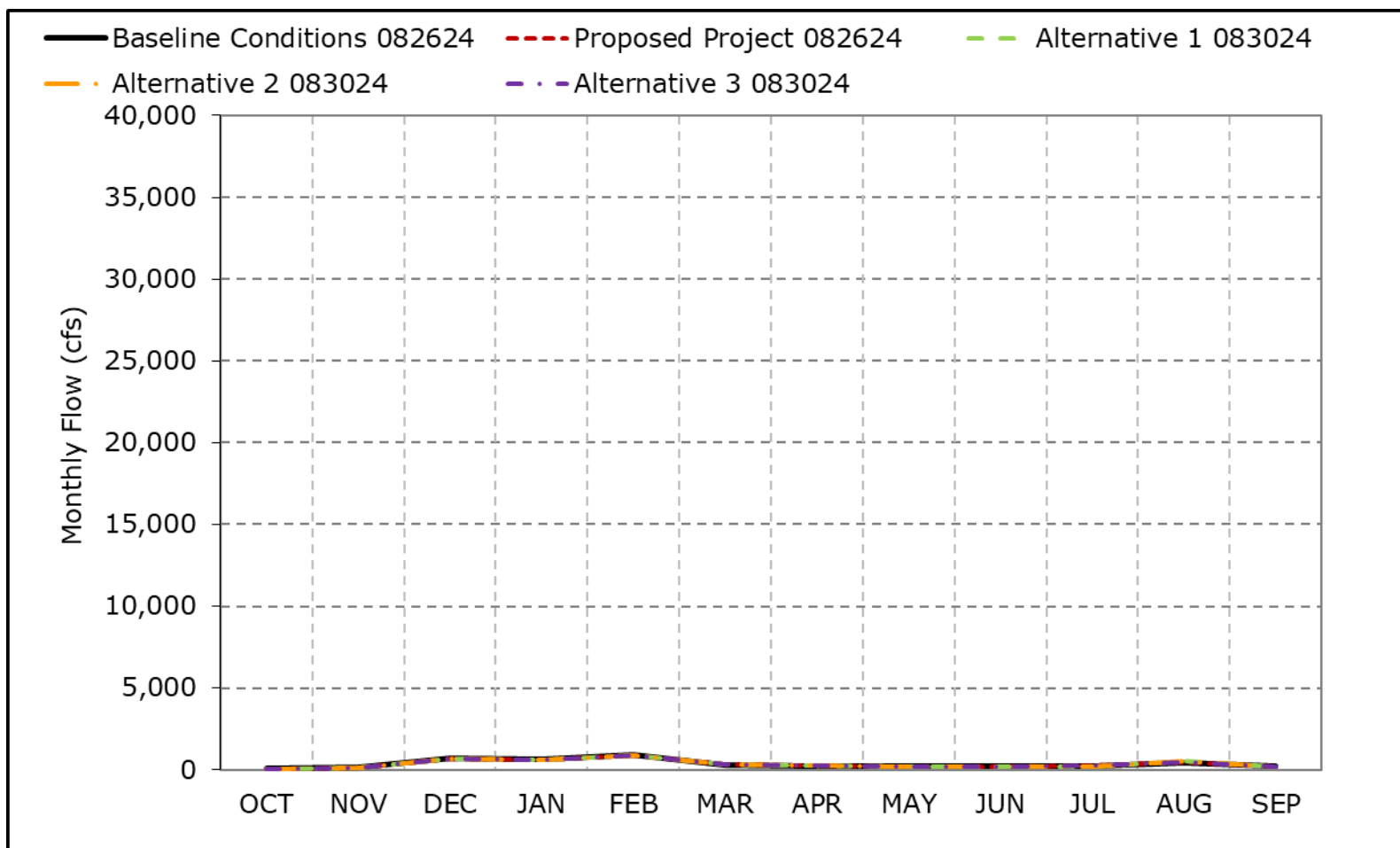


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with water year - year type sorting.

*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-3-3f. Yolo Bypass Flow, Critical Year Average Flow

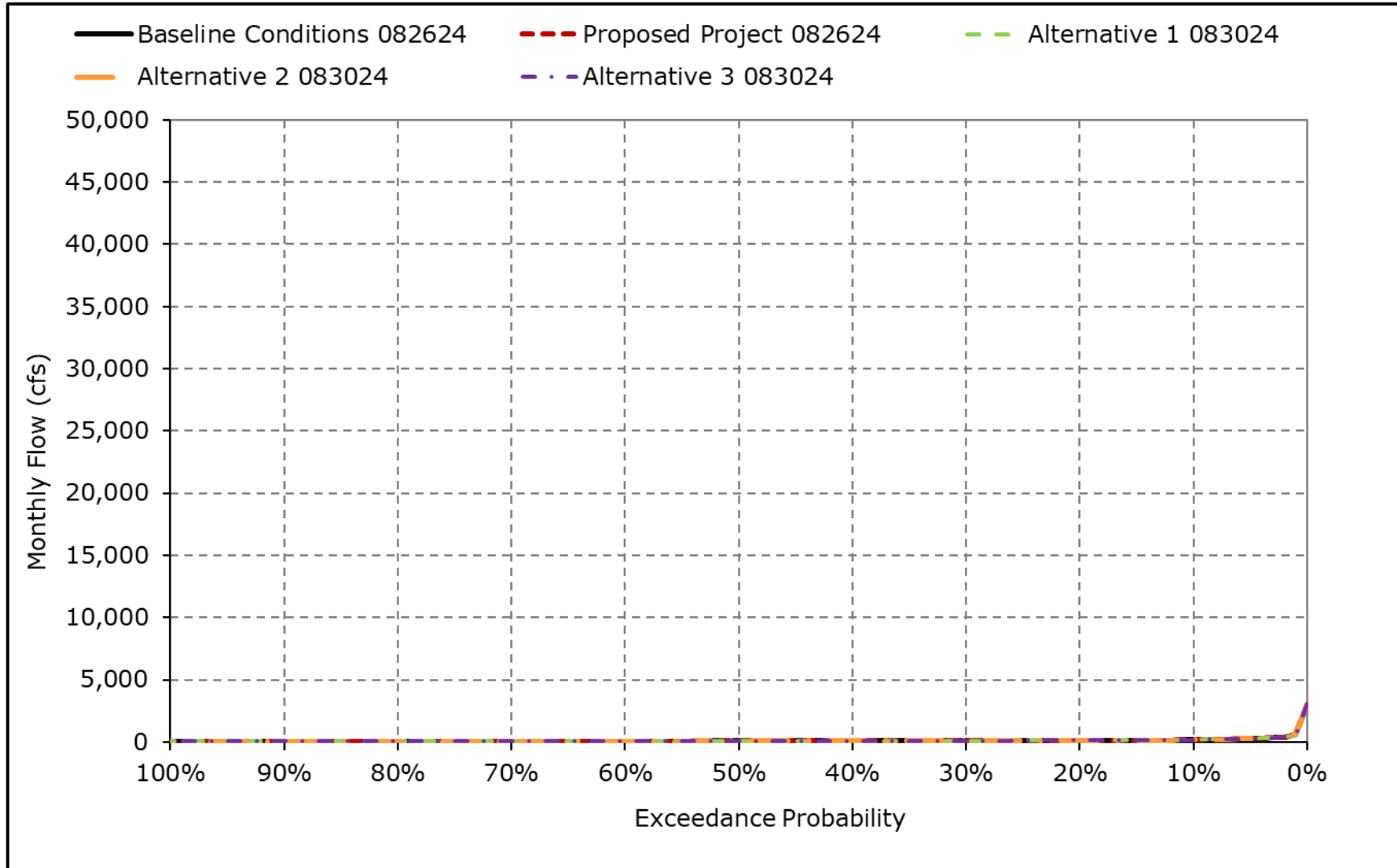


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with water year - year type sorting.

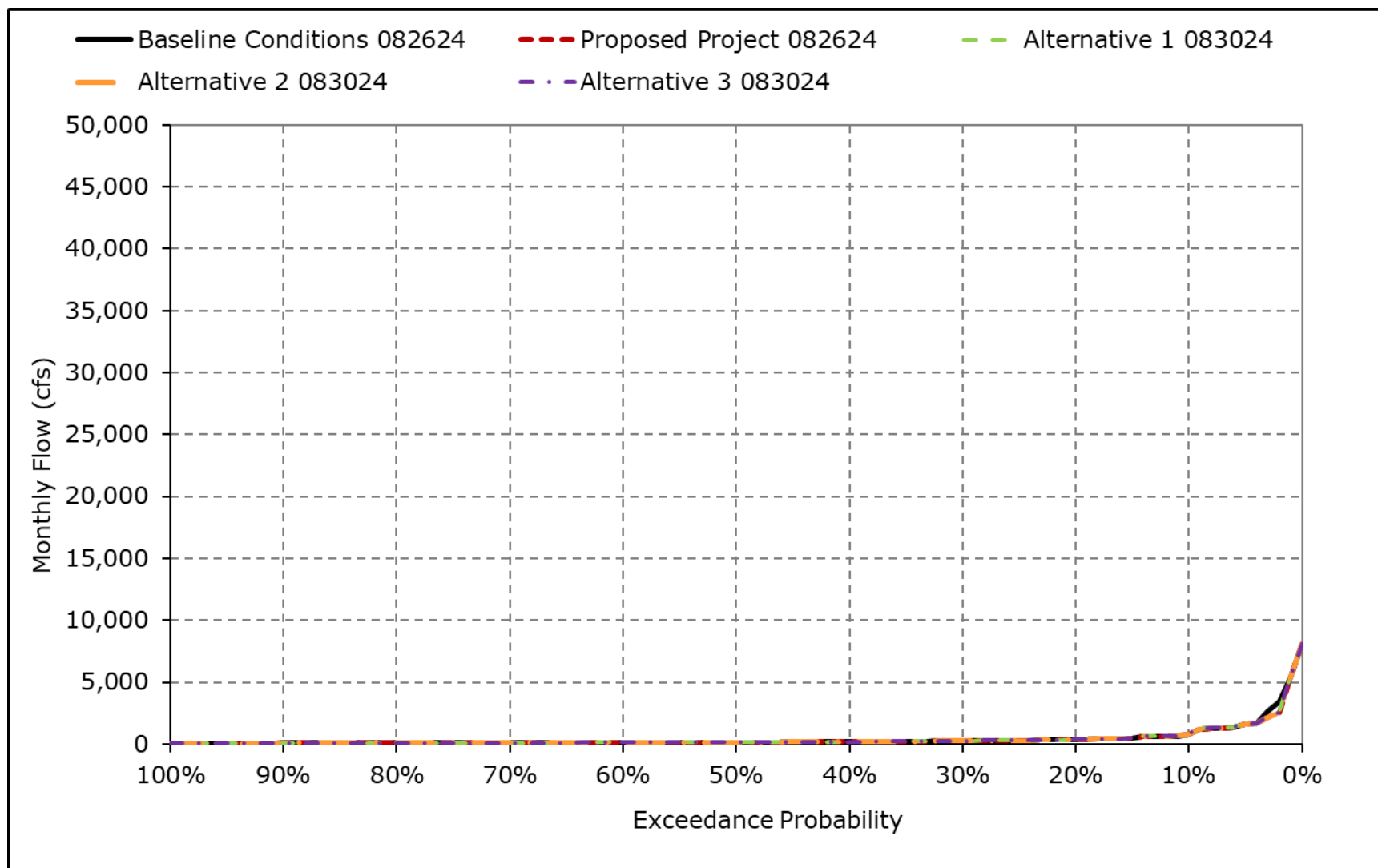
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-3-3g. Yolo Bypass Flow, October



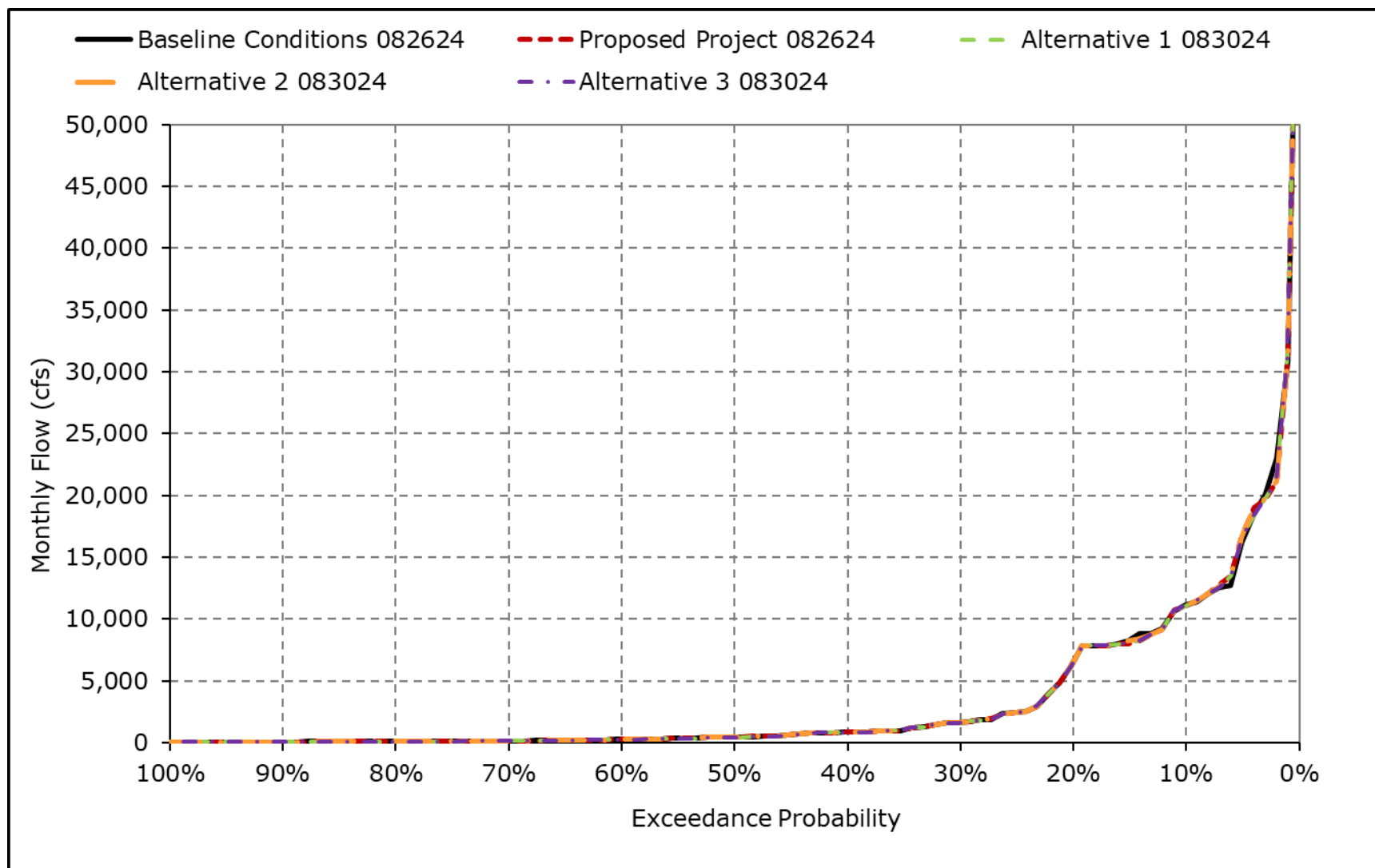
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-3-3h. Yolo Bypass Flow, November



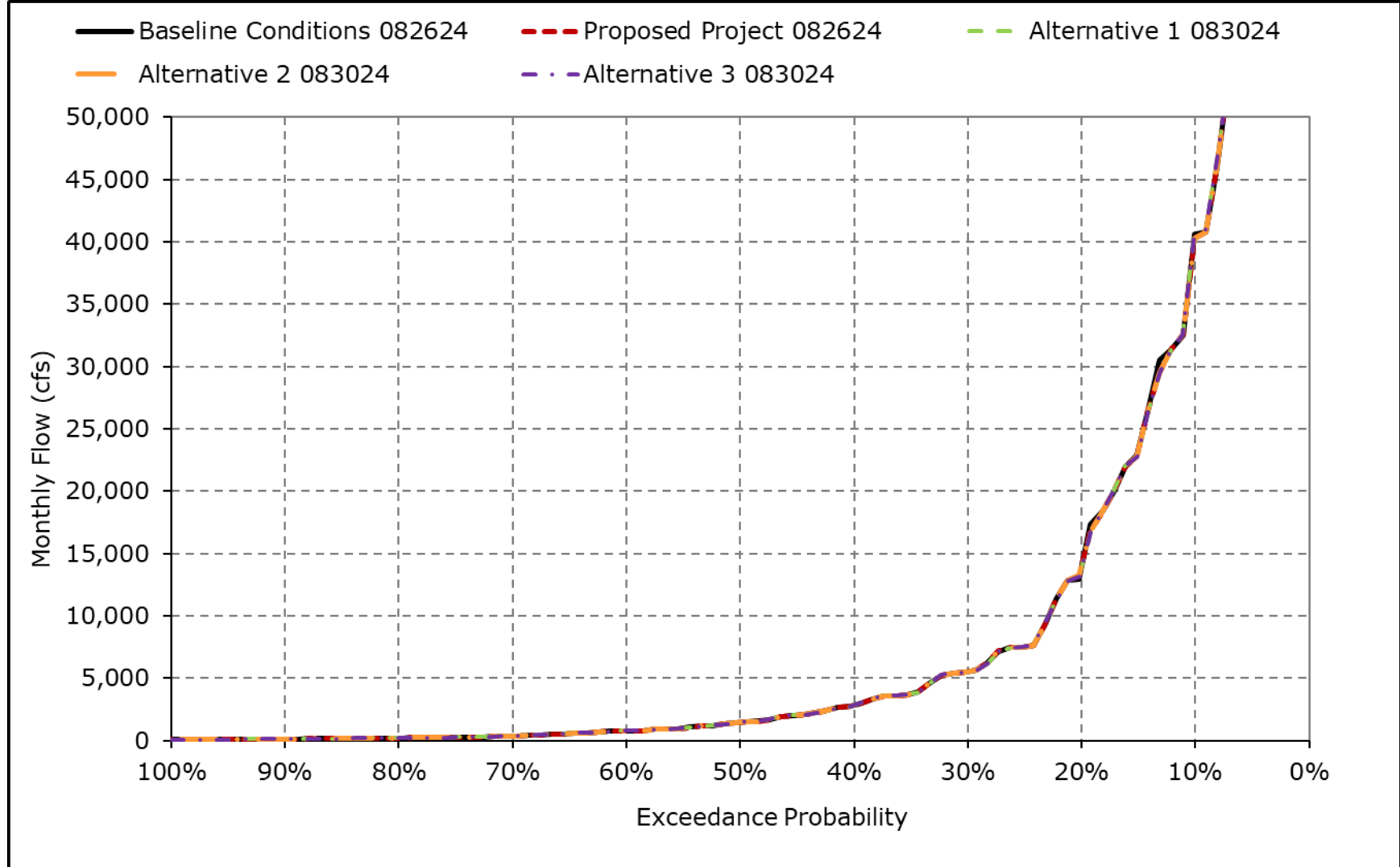
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-3-3i. Yolo Bypass Flow, December



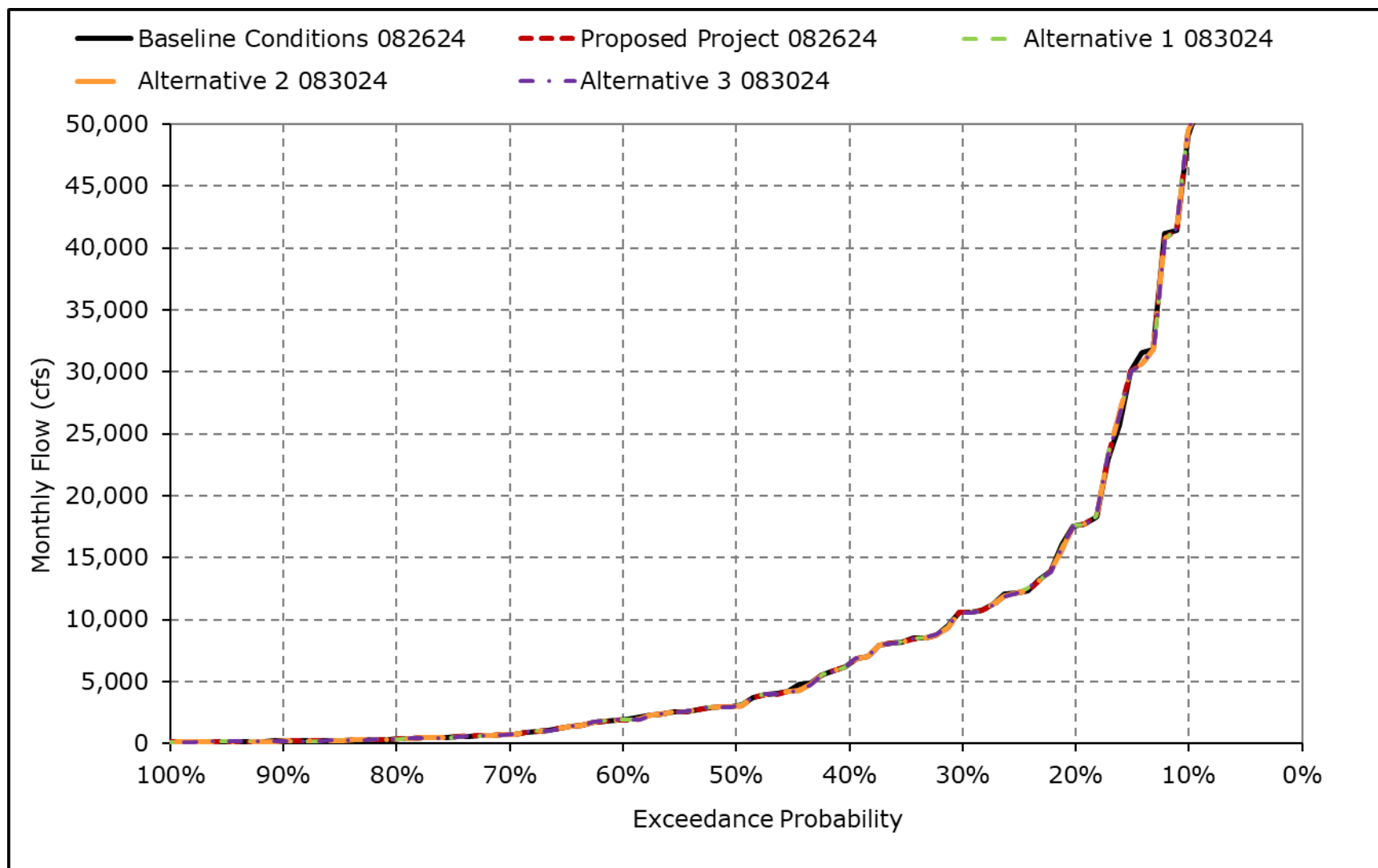
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-3-3j. Yolo Bypass Flow, January



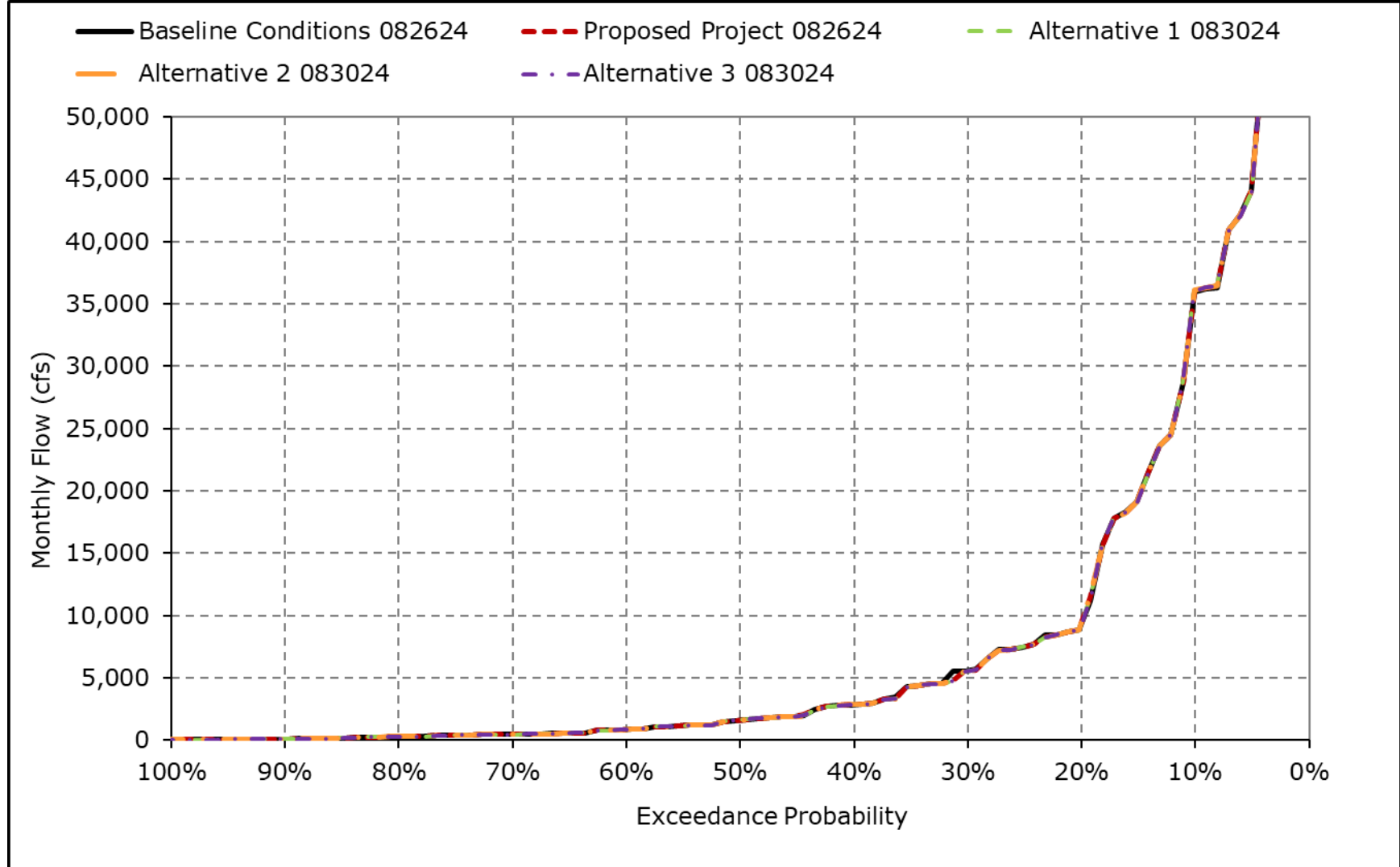
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-3-3k. Yolo Bypass Flow, February



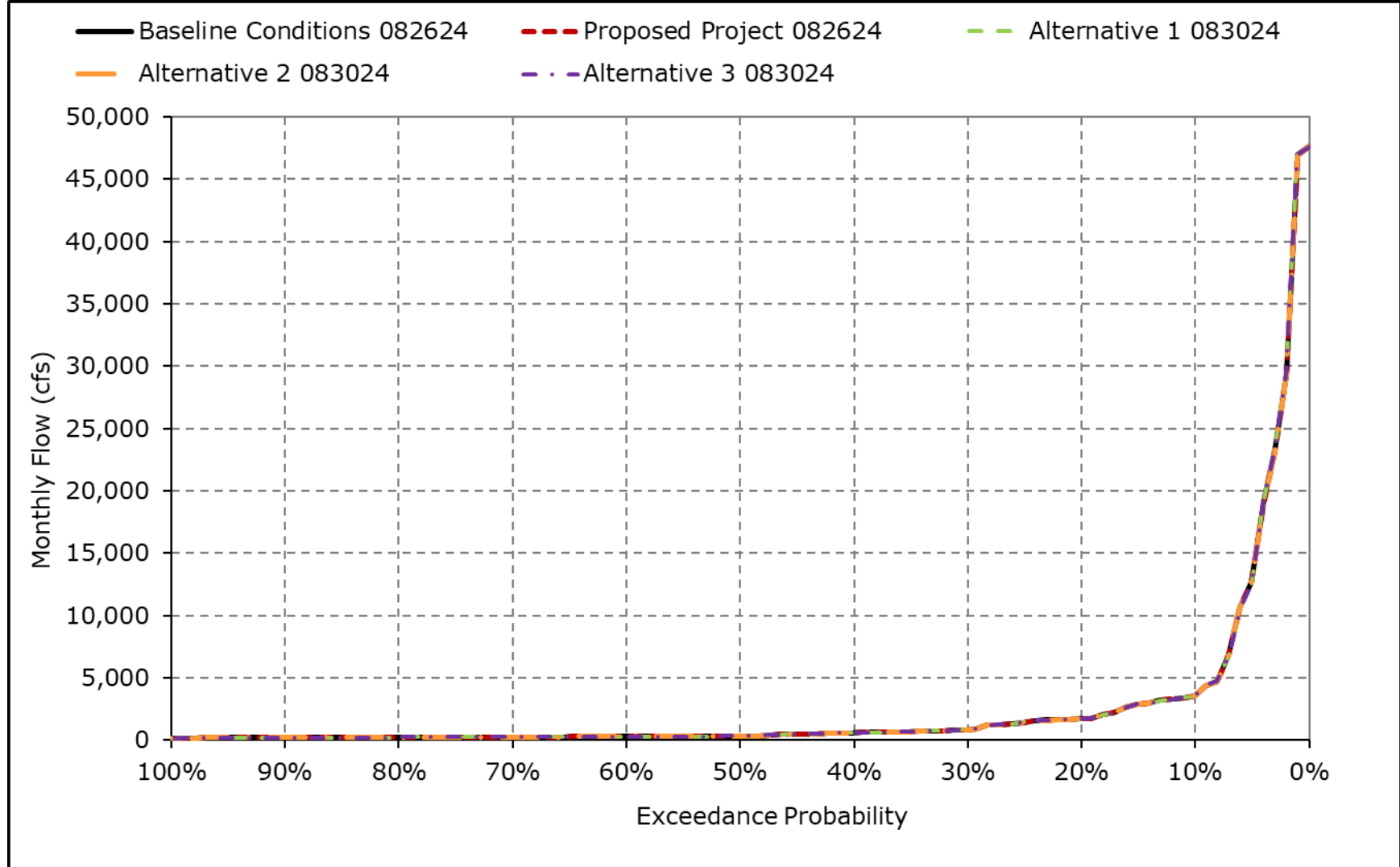
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-3-3I. Yolo Bypass Flow, March



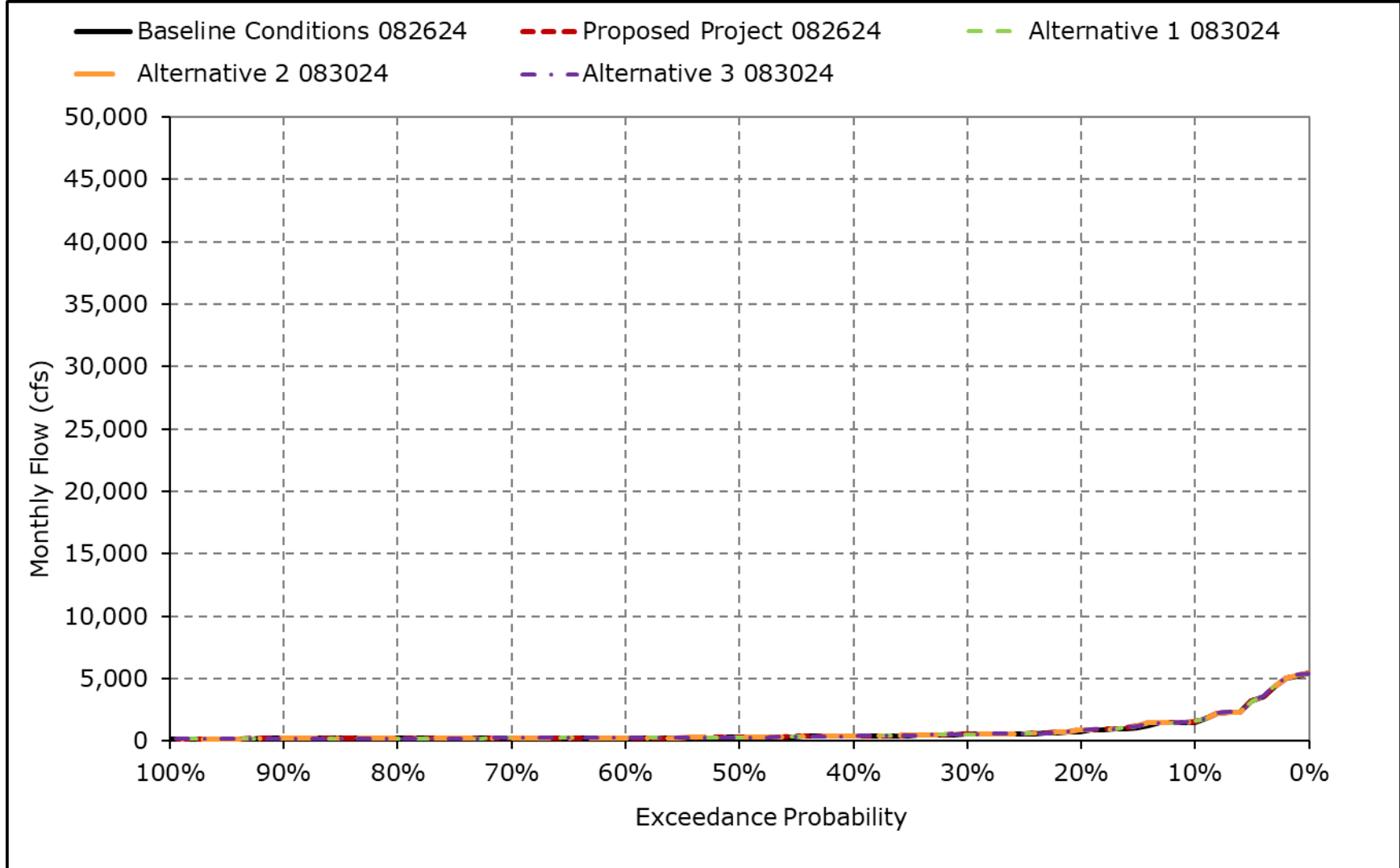
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-3-3m. Yolo Bypass Flow, April



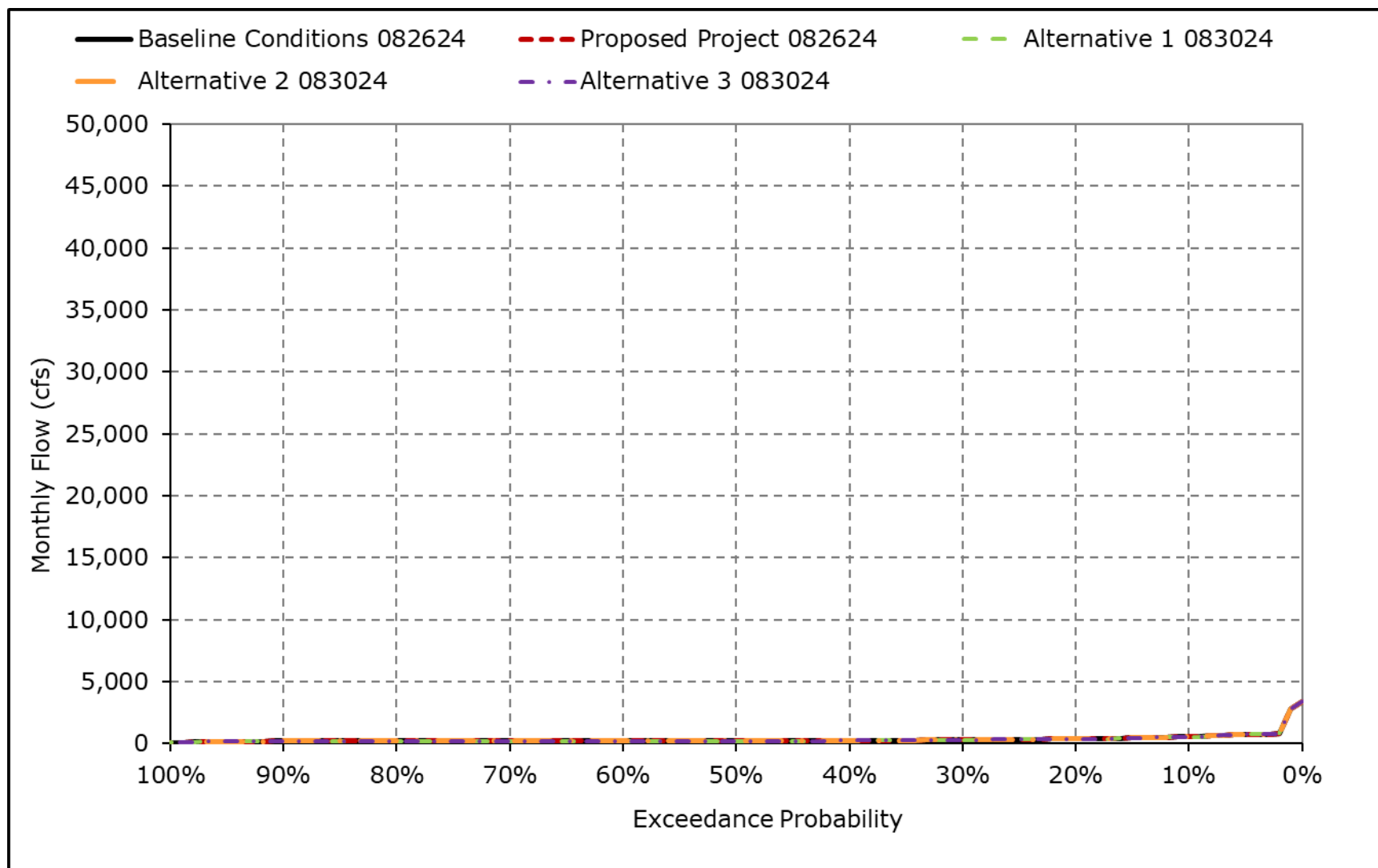
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-3-3n. Yolo Bypass Flow, May



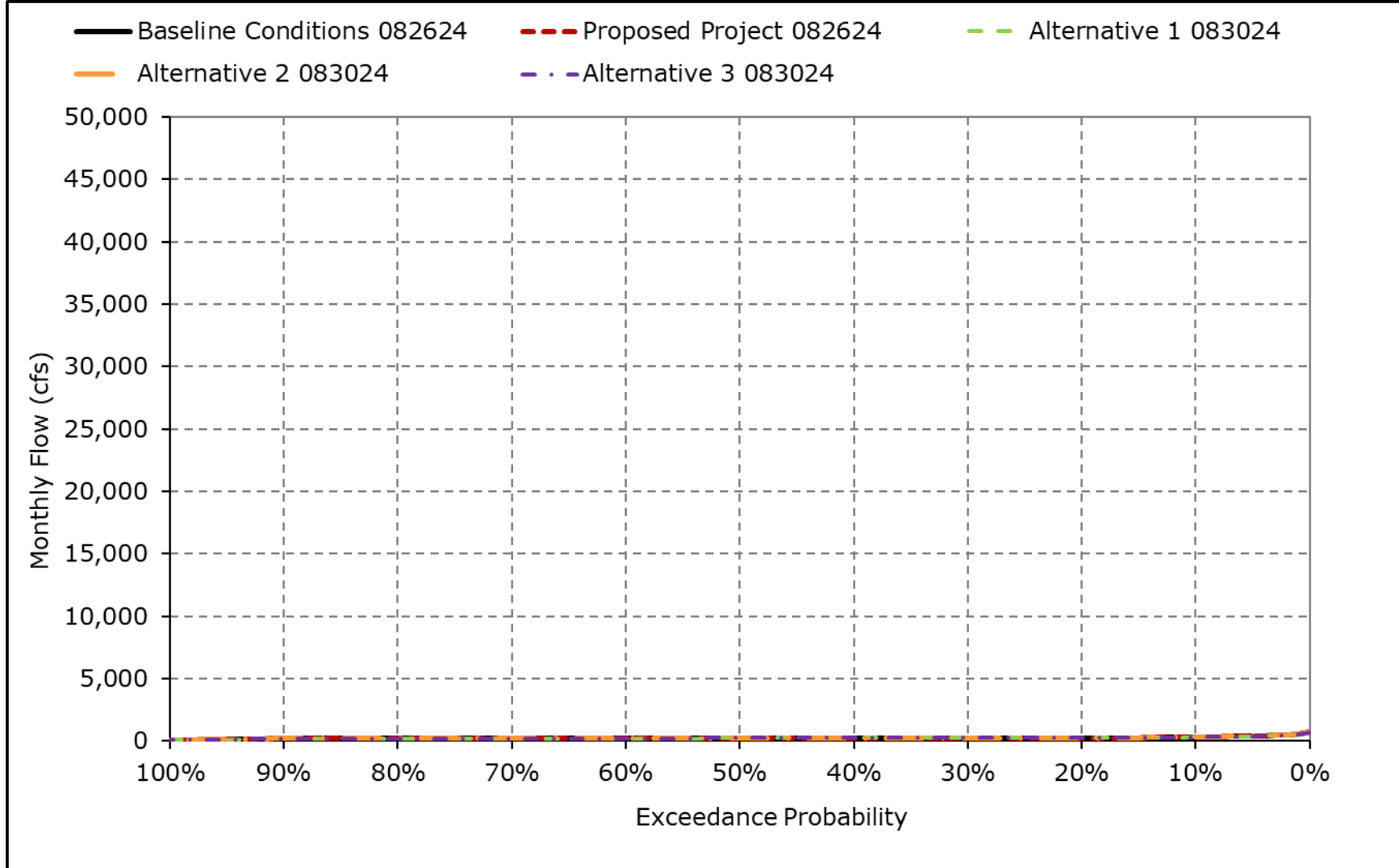
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-3-3o. Yolo Bypass Flow, June



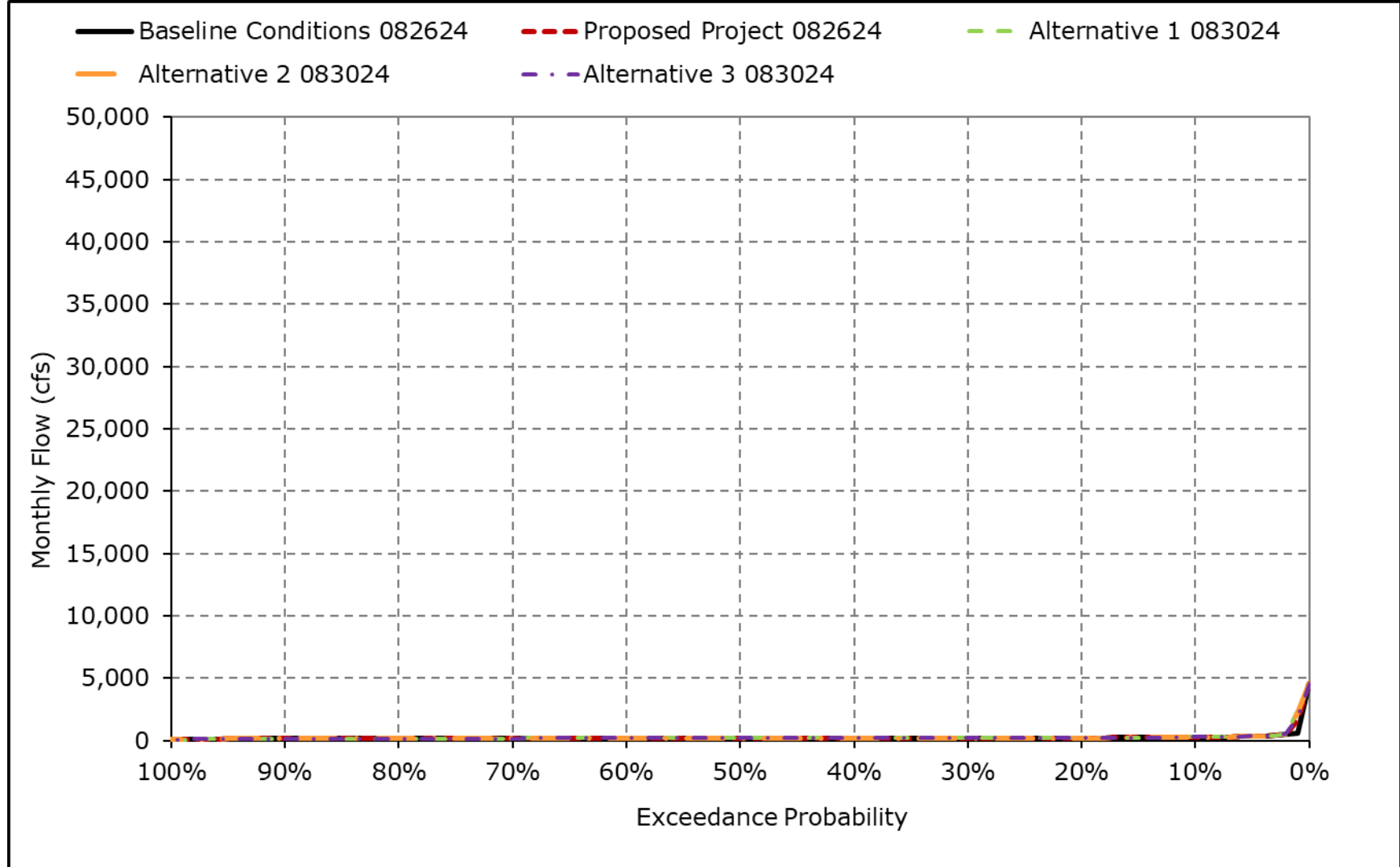
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-3-3p. Yolo Bypass Flow, July



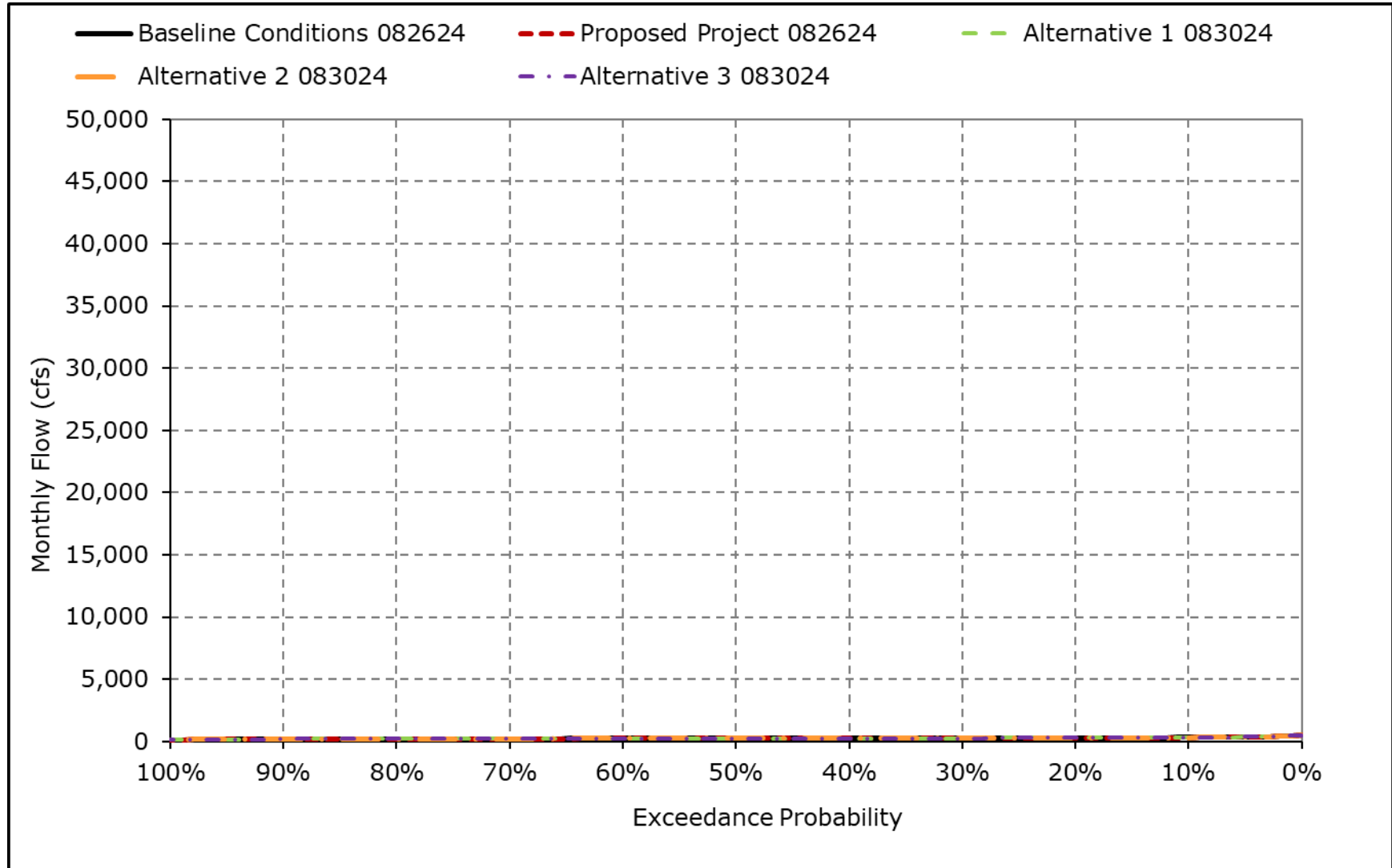
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-3-3q. Yolo Bypass Flow, August



*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-3-3r. Yolo Bypass Flow, September



*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Table 4C-3-4-1a. Sacramento River Flow at Rio Vista, Baseline Conditions 082624, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	10,415	16,212	50,783	95,850	106,810	92,672	50,816	39,995	24,026	13,599	10,497	12,118
20% Exceedance	9,002	9,558	36,256	62,806	68,742	55,345	32,942	29,063	13,654	12,920	10,238	11,238
30% Exceedance	7,956	8,667	19,813	35,021	52,742	44,441	21,220	18,098	9,853	11,829	9,822	10,174
40% Exceedance	7,104	8,219	14,650	25,510	38,715	32,948	16,122	13,065	7,812	10,928	9,645	9,169
50% Exceedance	5,882	7,865	12,706	19,240	27,557	23,727	13,171	10,204	7,319	10,412	8,899	7,453
60% Exceedance	4,833	6,977	11,327	14,684	22,713	19,050	9,109	9,271	7,050	9,768	7,013	5,616
70% Exceedance	4,150	5,857	8,523	10,994	16,555	16,517	8,415	8,177	6,549	8,796	5,327	5,005
80% Exceedance	4,000	4,653	7,349	9,010	13,051	12,084	7,529	7,588	5,872	6,636	4,304	4,409
90% Exceedance	3,499	4,475	5,910	7,862	10,668	8,930	6,527	5,193	4,631	4,812	3,387	3,964
Full Simulation Period Average ^a	6,883	8,994	21,330	37,364	46,510	39,277	21,646	16,934	11,388	10,021	7,685	7,923
Wet Water Years (32%)	8,687	12,405	37,714	75,934	90,625	75,843	43,226	30,638	20,217	11,763	10,056	11,731
Above Normal Water Years (9%)	6,472	8,894	19,972	47,951	48,127	45,462	20,696	19,235	12,386	12,152	10,298	10,277
Below Normal Water Years (20%)	6,897	7,862	13,892	20,674	31,275	26,392	13,835	13,157	7,376	12,088	8,971	7,339
Dry Water Years (21%)	6,131	8,189	14,196	13,005	21,316	17,691	9,295	8,523	7,184	8,956	5,357	5,091
Critical Water Years (18%)	4,746	5,178	9,468	10,465	13,596	10,678	6,847	5,429	4,556	4,803	3,452	3,930

Table 4C-3-4-1b. Sacramento River Flow at Rio Vista, Proposed Project 082624, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	10,430	15,686	50,747	95,341	107,203	92,703	50,807	40,001	24,025	13,371	10,511	12,874
20% Exceedance	9,025	9,576	36,293	62,799	68,759	55,342	33,096	29,075	13,657	12,739	10,299	11,892
30% Exceedance	7,798	8,655	20,092	35,038	52,585	44,361	21,479	18,273	9,659	11,754	9,878	10,619
40% Exceedance	7,012	8,220	14,681	25,489	38,695	33,188	16,431	12,975	7,580	10,869	9,582	9,517
50% Exceedance	5,864	7,867	12,741	19,249	27,558	24,154	13,346	10,381	6,999	10,464	8,994	7,132
60% Exceedance	4,776	6,918	10,938	14,578	22,700	19,144	9,463	9,522	6,795	9,717	7,229	5,622
70% Exceedance	4,106	5,810	8,717	11,186	16,651	16,749	8,569	8,403	6,451	8,887	5,081	5,014
80% Exceedance	4,000	4,657	7,408	9,034	13,049	11,849	7,635	7,746	5,895	6,598	4,119	4,407
90% Exceedance	3,494	4,475	6,280	7,632	10,598	9,100	6,782	5,194	4,639	4,715	3,375	3,952
Full Simulation Period Average ^a	6,847	8,968	21,334	37,351	46,466	39,363	21,779	17,018	11,331	9,961	7,734	8,116
Wet Water Years (32%)	8,608	12,371	37,740	75,940	90,704	75,852	43,216	30,636	20,222	11,737	10,096	12,274
Above Normal Water Years (9%)	6,411	8,799	19,914	47,927	48,048	45,684	20,848	19,405	12,384	12,133	10,170	11,341
Below Normal Water Years (20%)	6,824	7,846	13,999	20,600	31,139	26,599	14,204	13,199	7,304	11,793	9,234	6,964
Dry Water Years (21%)	6,153	8,164	14,112	13,030	21,166	17,839	9,539	8,805	6,923	9,015	5,297	5,103
Critical Water Years (18%)	4,768	5,186	9,452	10,451	13,575	10,627	6,832	5,441	4,615	4,785	3,494	3,909

Table 4C-3-4-1c. Sacramento River Flow at Rio Vista, Proposed Project 082624 minus Baseline Conditions 082624, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	15	-526	-36	-509	393	31	-9	6	-1	-228	14	756
20% Exceedance	23	18	36	-7	17	-4	153	12	4	-181	61	654
30% Exceedance	-158	-12	278	17	-157	-80	259	175	-195	-76	57	445
40% Exceedance	-91	1	31	-21	-20	240	308	-90	-232	-59	-63	348
50% Exceedance	-17	2	35	9	2	427	176	177	-320	52	96	-321
60% Exceedance	-57	-60	-389	-107	-13	94	354	251	-255	-50	216	6
70% Exceedance	-45	-47	193	192	96	232	154	226	-98	90	-246	10
80% Exceedance	0	4	59	24	-2	-234	106	158	23	-39	-185	-2
90% Exceedance	-5	0	370	-230	-70	170	255	1	8	-97	-13	-11
Full Simulation Period Average ^a	-37	-26	4	-12	-44	86	133	84	-57	-60	49	193
Wet Water Years (32%)	-79	-34	26	6	79	9	-10	-2	5	-25	40	544
Above Normal Water Years (9%)	-61	-95	-58	-25	-78	222	153	171	-1	-18	-127	1,064
Below Normal Water Years (20%)	-73	-15	107	-74	-136	208	369	42	-72	-296	263	-375
Dry Water Years (21%)	23	-26	-84	25	-150	148	245	282	-261	59	-60	11
Critical Water Years (18%)	21	8	-16	-14	-21	-51	-14	12	59	-18	42	-20

^a Based on the 100-year simulation period.

* All scenarios are simulated at current climate condition and 0 cm sea level rise.

* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with water year - year type sorting.

Table 4C-3-4-2a. Sacramento River Flow at Rio Vista, Baseline Conditions 082624, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	10,415	16,212	50,783	95,850	106,810	92,672	50,816	39,995	24,026	13,599	10,497	12,118
20% Exceedance	9,002	9,558	36,256	62,806	68,742	55,345	32,942	29,063	13,654	12,920	10,238	11,238
30% Exceedance	7,956	8,667	19,813	35,021	52,742	44,441	21,220	18,098	9,853	11,829	9,822	10,174
40% Exceedance	7,104	8,219	14,650	25,510	38,715	32,948	16,122	13,065	7,812	10,928	9,645	9,169
50% Exceedance	5,882	7,865	12,706	19,240	27,557	23,727	13,171	10,204	7,319	10,412	8,899	7,453
60% Exceedance	4,833	6,977	11,327	14,684	22,713	19,050	9,109	9,271	7,050	9,768	7,013	5,616
70% Exceedance	4,150	5,857	8,523	10,994	16,555	16,517	8,415	8,177	6,549	8,796	5,327	5,005
80% Exceedance	4,000	4,653	7,349	9,010	13,051	12,084	7,529	7,588	5,872	6,636	4,304	4,409
90% Exceedance	3,499	4,475	5,910	7,862	10,668	8,930	6,527	5,193	4,631	4,812	3,387	3,964
Full Simulation Period Average ^a	6,883	8,994	21,330	37,364	46,510	39,277	21,646	16,934	11,388	10,021	7,685	7,923
Wet Water Years (32%)	8,687	12,405	37,714	75,934	90,625	75,843	43,226	30,638	20,217	11,763	10,056	11,731
Above Normal Water Years (9%)	6,472	8,894	19,972	47,951	48,127	45,462	20,696	19,235	12,386	12,152	10,298	10,277
Below Normal Water Years (20%)	6,897	7,862	13,892	20,674	31,275	26,392	13,835	13,157	7,376	12,088	8,971	7,339
Dry Water Years (21%)	6,131	8,189	14,196	13,005	21,316	17,691	9,295	8,523	7,184	8,956	5,357	5,091
Critical Water Years (18%)	4,746	5,178	9,468	10,465	13,596	10,678	6,847	5,429	4,556	4,803	3,452	3,930

Table 4C-3-4-2b. Sacramento River Flow at Rio Vista, Alternative 1 083024, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	10,431	15,687	50,748	95,338	107,199	92,705	50,805	40,006	24,025	13,369	10,523	12,873
20% Exceedance	9,026	9,567	36,286	62,803	68,759	55,342	32,954	29,074	13,658	12,704	10,329	11,891
30% Exceedance	7,801	8,655	20,130	35,040	52,675	44,240	21,169	18,796	9,659	11,750	9,927	10,619
40% Exceedance	7,012	8,220	14,682	25,490	38,695	32,997	16,119	13,228	7,582	10,816	9,538	9,517
50% Exceedance	5,872	7,867	12,641	19,251	27,558	23,842	13,171	10,872	7,008	10,459	9,014	7,123
60% Exceedance	4,781	6,942	10,860	14,577	22,701	19,076	9,102	9,859	6,795	9,703	7,229	5,620
70% Exceedance	4,150	5,810	8,522	11,186	16,625	16,516	8,403	8,883	6,449	8,885	5,071	5,013
80% Exceedance	4,000	4,695	7,408	9,035	13,049	11,803	7,597	8,260	5,895	6,602	4,270	4,463
90% Exceedance	3,511	4,495	6,279	7,631	10,598	9,100	6,550	5,196	4,638	4,713	3,377	3,972
Full Simulation Period Average ^a	6,856	8,973	21,301	37,362	46,483	39,250	21,639	17,271	11,333	9,952	7,737	8,119
Wet Water Years (32%)	8,610	12,380	37,701	75,959	90,738	75,861	43,216	30,636	20,222	11,737	10,096	12,274
Above Normal Water Years (9%)	6,410	8,822	19,883	47,927	48,091	45,323	20,657	19,928	12,383	12,117	10,182	11,321
Below Normal Water Years (20%)	6,829	7,856	13,943	20,625	31,154	26,426	13,844	13,725	7,305	11,734	9,228	6,958
Dry Water Years (21%)	6,162	8,164	14,095	13,026	21,165	17,605	9,298	9,280	6,923	9,005	5,301	5,096
Critical Water Years (18%)	4,798	5,173	9,434	10,452	13,574	10,626	6,832	5,445	4,628	4,822	3,508	3,947

Table 4C-3-4-2c. Sacramento River Flow at Rio Vista, Alternative 1 083024 minus Baseline Conditions 082624, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	16	-526	-36	-512	389	33	-11	11	-1	-230	26	754
20% Exceedance	24	10	29	-3	17	-4	12	12	5	-217	91	653
30% Exceedance	-155	-12	317	19	-67	-202	-51	698	-195	-80	106	445
40% Exceedance	-91	1	32	-20	-20	49	-4	163	-230	-113	-107	348
50% Exceedance	-10	2	-65	11	2	115	1	668	-311	46	115	-330
60% Exceedance	-52	-36	-467	-107	-12	26	-7	588	-254	-64	216	4
70% Exceedance	0	-46	-1	192	70	-1	-12	706	-100	89	-255	8
80% Exceedance	0	42	59	24	-1	-281	68	672	23	-34	-33	54
90% Exceedance	12	20	369	-231	-70	170	23	3	7	-99	-11	9
Full Simulation Period Average ^a	-28	-22	-29	-2	-27	-27	-7	337	-55	-69	52	196
Wet Water Years (32%)	-77	-25	-13	25	113	18	-10	-2	4	-26	40	544
Above Normal Water Years (9%)	-61	-72	-89	-24	-36	-138	-39	693	-2	-35	-116	1,045
Below Normal Water Years (20%)	-68	-5	52	-48	-121	35	9	568	-71	-355	257	-381
Dry Water Years (21%)	31	-26	-101	21	-151	-87	3	757	-261	49	-56	5
Critical Water Years (18%)	52	-4	-34	-13	-22	-52	-15	16	72	19	56	18

^a Based on the 100-year simulation period.

* All scenarios are simulated at current climate condition and 0 cm sea level rise.

* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with water year - year type sorting.

Table 4C-3-4-3a. Sacramento River Flow at Rio Vista, Baseline Conditions 082624, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	10,415	16,212	50,783	95,850	106,810	92,672	50,816	39,995	24,026	13,599	10,497	12,118
20% Exceedance	9,002	9,558	36,256	62,806	68,742	55,345	32,942	29,063	13,654	12,920	10,238	11,238
30% Exceedance	7,956	8,667	19,813	35,021	52,742	44,441	21,220	18,098	9,853	11,829	9,822	10,174
40% Exceedance	7,104	8,219	14,650	25,510	38,715	32,948	16,122	13,065	7,812	10,928	9,645	9,169
50% Exceedance	5,882	7,865	12,706	19,240	27,557	23,727	13,171	10,204	7,319	10,412	8,899	7,453
60% Exceedance	4,833	6,977	11,327	14,684	22,713	19,050	9,109	9,271	7,050	9,768	7,013	5,616
70% Exceedance	4,150	5,857	8,523	10,994	16,555	16,517	8,415	8,177	6,549	8,796	5,327	5,005
80% Exceedance	4,000	4,653	7,349	9,010	13,051	12,084	7,529	7,588	5,872	6,636	4,304	4,409
90% Exceedance	3,499	4,475	5,910	7,862	10,668	8,930	6,527	5,193	4,631	4,812	3,387	3,964
Full Simulation Period Average ^a	6,883	8,994	21,330	37,364	46,510	39,277	21,646	16,934	11,388	10,021	7,685	7,923
Wet Water Years (32%)	8,687	12,405	37,714	75,934	90,625	75,843	43,226	30,638	20,217	11,763	10,056	11,731
Above Normal Water Years (9%)	6,472	8,894	19,972	47,951	48,127	45,462	20,696	19,235	12,386	12,152	10,298	10,277
Below Normal Water Years (20%)	6,897	7,862	13,892	20,674	31,275	26,392	13,835	13,157	7,376	12,088	8,971	7,339
Dry Water Years (21%)	6,131	8,189	14,196	13,005	21,316	17,691	9,295	8,523	7,184	8,956	5,357	5,091
Critical Water Years (18%)	4,746	5,178	9,468	10,465	13,596	10,678	6,847	5,429	4,556	4,803	3,452	3,930

Table 4C-3-4-3b. Sacramento River Flow at Rio Vista, Alternative 2 083024, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	10,432	15,685	50,747	95,337	107,198	92,704	50,806	40,003	24,024	13,369	10,524	12,873
20% Exceedance	9,027	9,576	36,285	62,803	68,758	55,341	32,953	29,074	13,657	12,704	10,329	11,891
30% Exceedance	7,796	8,655	20,133	35,040	52,577	44,238	21,212	18,796	9,658	11,749	9,878	10,618
40% Exceedance	7,012	8,220	14,682	25,524	38,696	32,995	16,118	13,228	7,582	10,818	9,538	9,517
50% Exceedance	5,872	7,867	12,742	19,249	27,565	23,272	13,171	10,872	7,007	10,518	9,020	7,140
60% Exceedance	4,781	6,941	10,940	14,577	22,701	19,046	9,102	9,837	6,795	9,701	7,228	5,631
70% Exceedance	4,106	5,810	8,522	11,186	16,613	16,516	8,403	8,884	6,449	8,885	5,071	5,013
80% Exceedance	4,000	4,695	7,409	9,034	13,049	11,803	7,598	8,260	5,895	6,601	4,271	4,465
90% Exceedance	3,511	4,478	6,270	7,632	10,598	9,100	6,550	5,196	4,638	4,714	3,396	3,972
Full Simulation Period Average ^a	6,853	8,962	21,335	37,346	46,472	39,238	21,643	17,270	11,333	9,960	7,739	8,122
Wet Water Years (32%)	8,607	12,373	37,768	75,946	90,728	75,859	43,214	30,635	20,221	11,737	10,096	12,273
Above Normal Water Years (9%)	6,411	8,818	19,920	47,927	48,052	45,329	20,663	19,928	12,383	12,117	10,157	11,345
Below Normal Water Years (20%)	6,828	7,856	14,003	20,591	31,136	26,425	13,843	13,725	7,305	11,733	9,230	6,963
Dry Water Years (21%)	6,155	8,134	14,088	13,001	21,160	17,550	9,314	9,278	6,923	9,031	5,314	5,097
Critical Water Years (18%)	4,798	5,164	9,431	10,450	13,574	10,626	6,832	5,445	4,628	4,836	3,510	3,949

Table 4C-3-4-3c. Sacramento River Flow at Rio Vista, Alternative 2 083024 minus Baseline Conditions 082624, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	18	-527	-36	-513	388	32	-10	8	-1	-230	27	754
20% Exceedance	26	19	29	-3	16	-5	11	11	4	-217	91	653
30% Exceedance	-160	-12	319	18	-165	-203	-8	698	-195	-80	56	444
40% Exceedance	-92	1	32	14	-19	47	-4	163	-230	-111	-107	348
50% Exceedance	-10	2	36	9	8	-455	0	668	-311	105	121	-313
60% Exceedance	-52	-36	-386	-107	-12	-4	-7	566	-254	-67	214	14
70% Exceedance	-44	-46	-2	192	58	-1	-12	706	-100	89	-255	8
80% Exceedance	0	42	60	24	-1	-281	69	672	23	-36	-33	56
90% Exceedance	11	3	360	-231	-70	170	23	3	7	-98	8	9
Full Simulation Period Average ^a	-30	-32	5	-18	-38	-39	-4	337	-55	-61	53	199
Wet Water Years (32%)	-80	-33	54	12	103	16	-13	-3	4	-26	40	542
Above Normal Water Years (9%)	-61	-76	-52	-24	-74	-133	-33	694	-2	-34	-141	1,068
Below Normal Water Years (20%)	-69	-6	111	-83	-139	33	9	569	-71	-355	260	-375
Dry Water Years (21%)	24	-56	-108	-4	-156	-141	19	755	-261	75	-43	5
Critical Water Years (18%)	52	-13	-37	-14	-22	-52	-14	16	72	32	58	19

^a Based on the 100-year simulation period.

* All scenarios are simulated at current climate condition and 0 cm sea level rise.

* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with water year - year type sorting.

Table 4C-3-4-4a. Sacramento River Flow at Rio Vista, Baseline Conditions 082624, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	10,415	16,212	50,783	95,850	106,810	92,672	50,816	39,995	24,026	13,599	10,497	12,118
20% Exceedance	9,002	9,558	36,256	62,806	68,742	55,345	32,942	29,063	13,654	12,920	10,238	11,238
30% Exceedance	7,956	8,667	19,813	35,021	52,742	44,441	21,220	18,098	9,853	11,829	9,822	10,174
40% Exceedance	7,104	8,219	14,650	25,510	38,715	32,948	16,122	13,065	7,812	10,928	9,645	9,169
50% Exceedance	5,882	7,865	12,706	19,240	27,557	23,727	13,171	10,204	7,319	10,412	8,899	7,453
60% Exceedance	4,833	6,977	11,327	14,684	22,713	19,050	9,109	9,271	7,050	9,768	7,013	5,616
70% Exceedance	4,150	5,857	8,523	10,994	16,555	16,517	8,415	8,177	6,549	8,796	5,327	5,005
80% Exceedance	4,000	4,653	7,349	9,010	13,051	12,084	7,529	7,588	5,872	6,636	4,304	4,409
90% Exceedance	3,499	4,475	5,910	7,862	10,668	8,930	6,527	5,193	4,631	4,812	3,387	3,964
Full Simulation Period Average ^a	6,883	8,994	21,330	37,364	46,510	39,277	21,646	16,934	11,388	10,021	7,685	7,923
Wet Water Years (32%)	8,687	12,405	37,714	75,934	90,625	75,843	43,226	30,638	20,217	11,763	10,056	11,731
Above Normal Water Years (9%)	6,472	8,894	19,972	47,951	48,127	45,462	20,696	19,235	12,386	12,152	10,298	10,277
Below Normal Water Years (20%)	6,897	7,862	13,892	20,674	31,275	26,392	13,835	13,157	7,376	12,088	8,971	7,339
Dry Water Years (21%)	6,131	8,189	14,196	13,005	21,316	17,691	9,295	8,523	7,184	8,956	5,357	5,091
Critical Water Years (18%)	4,746	5,178	9,468	10,465	13,596	10,678	6,847	5,429	4,556	4,803	3,452	3,930

Table 4C-3-4-4b. Sacramento River Flow at Rio Vista, Alternative 3 083024, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	10,452	15,689	50,748	95,341	107,203	92,702	50,806	40,004	24,025	13,371	10,512	12,874
20% Exceedance	9,026	9,567	36,292	62,800	68,759	55,341	33,096	29,075	13,659	12,739	10,299	11,892
30% Exceedance	7,803	8,600	20,088	35,038	52,666	44,361	21,449	18,273	9,659	11,754	9,937	10,620
40% Exceedance	7,012	8,220	14,680	25,489	38,696	33,195	16,431	12,975	7,580	10,855	9,582	9,517
50% Exceedance	5,864	7,867	12,641	19,252	27,558	24,154	13,353	10,381	6,999	10,465	8,994	7,125
60% Exceedance	4,776	6,922	10,860	14,578	22,701	19,165	9,463	9,522	6,794	9,716	7,230	5,622
70% Exceedance	4,152	5,810	8,716	11,187	16,636	16,749	8,569	8,404	6,473	8,887	5,083	5,015
80% Exceedance	4,000	4,657	7,408	9,035	13,049	11,849	7,635	7,746	5,895	6,600	4,154	4,407
90% Exceedance	3,494	4,475	6,280	7,632	10,598	9,100	6,782	5,193	4,639	4,715	3,392	3,952
Full Simulation Period Average ^a	6,850	8,974	21,302	37,359	46,475	39,365	21,779	17,019	11,333	9,961	7,737	8,116
Wet Water Years (32%)	8,611	12,383	37,699	75,949	90,713	75,854	43,217	30,637	20,222	11,738	10,097	12,274
Above Normal Water Years (9%)	6,410	8,813	19,877	47,927	48,087	45,679	20,844	19,405	12,384	12,133	10,195	11,317
Below Normal Water Years (20%)	6,825	7,847	13,939	20,627	31,156	26,601	14,205	13,199	7,304	11,794	9,233	6,973
Dry Water Years (21%)	6,166	8,169	14,095	13,028	21,167	17,840	9,539	8,805	6,923	9,009	5,296	5,103
Critical Water Years (18%)	4,766	5,184	9,452	10,449	13,572	10,631	6,831	5,441	4,625	4,790	3,500	3,908

Table 4C-3-4-4c. Sacramento River Flow at Rio Vista, Alternative 3 083024 minus Baseline Conditions 082624, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	38	-523	-36	-509	393	30	-9	8	-1	-228	15	756
20% Exceedance	24	10	35	-6	17	-4	154	12	5	-181	61	654
30% Exceedance	-152	-67	275	17	-76	-80	229	176	-195	-76	115	446
40% Exceedance	-91	1	30	-21	-19	246	309	-90	-233	-74	-63	348
50% Exceedance	-18	2	-65	12	2	427	182	177	-320	53	95	-328
60% Exceedance	-57	-55	-467	-107	-12	115	354	251	-255	-51	217	5
70% Exceedance	1	-46	193	193	81	232	154	226	-76	90	-244	11
80% Exceedance	0	4	59	25	-2	-234	106	158	23	-36	-150	-2
90% Exceedance	-5	1	369	-230	-70	170	255	1	8	-97	4	-11
Full Simulation Period Average ^a	-33	-20	-28	-5	-35	88	133	85	-56	-60	52	193
Wet Water Years (32%)	-76	-22	-14	15	88	11	-9	-1	5	-25	41	544
Above Normal Water Years (9%)	-62	-81	-96	-25	-40	217	149	170	-1	-18	-103	1,040
Below Normal Water Years (20%)	-72	-15	47	-46	-120	209	370	42	-72	-294	262	-366
Dry Water Years (21%)	36	-20	-101	23	-150	149	244	283	-261	54	-61	11
Critical Water Years (18%)	20	6	-15	-16	-25	-47	-15	12	69	-13	49	-21

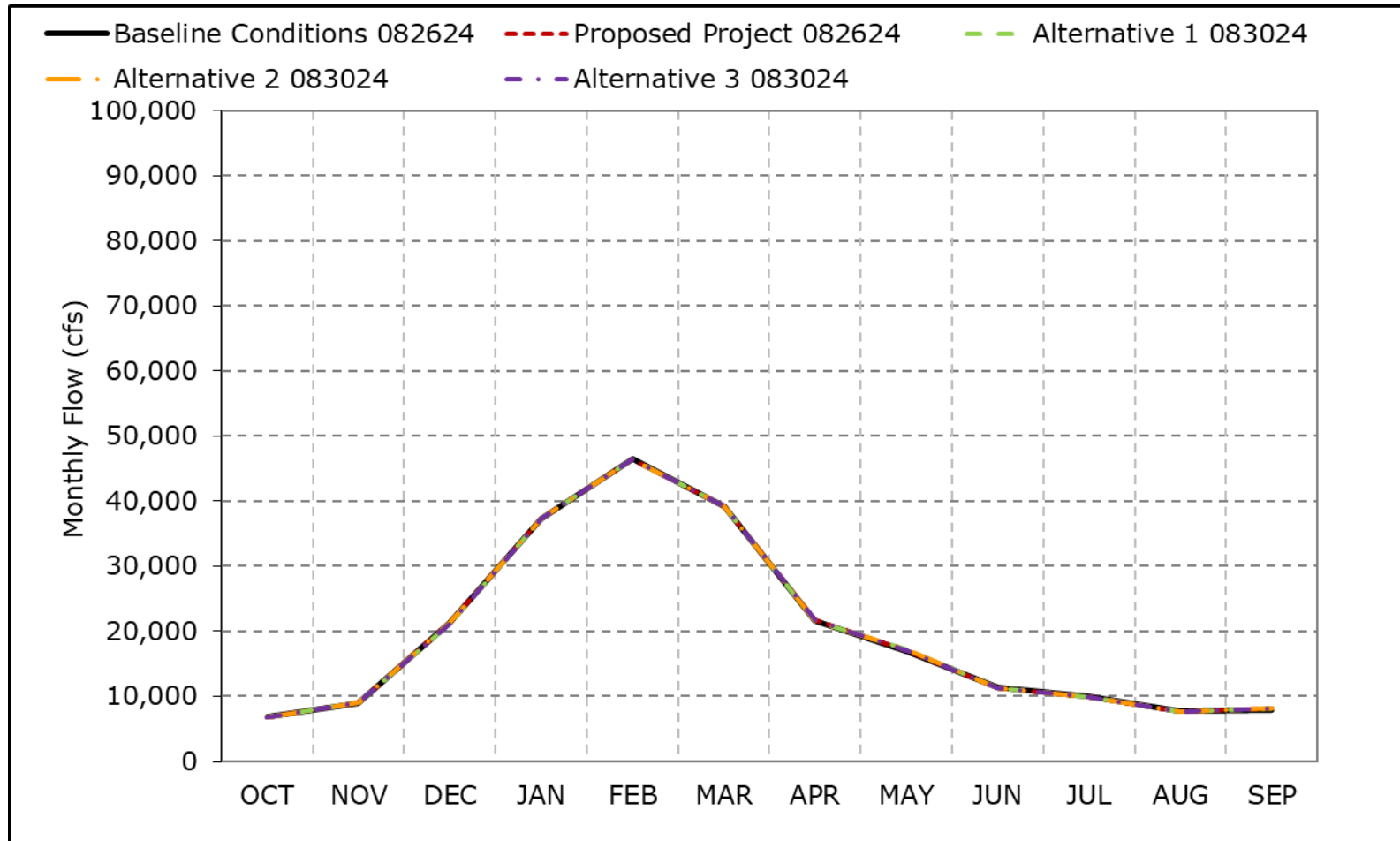
^a Based on the 100-year simulation period.

* All scenarios are simulated at current climate condition and 0 cm sea level rise.

* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with water year - year type sorting.

Figure 4C-3-4a. Sacramento River Flow at Rio Vista, Long-Term Average Flow

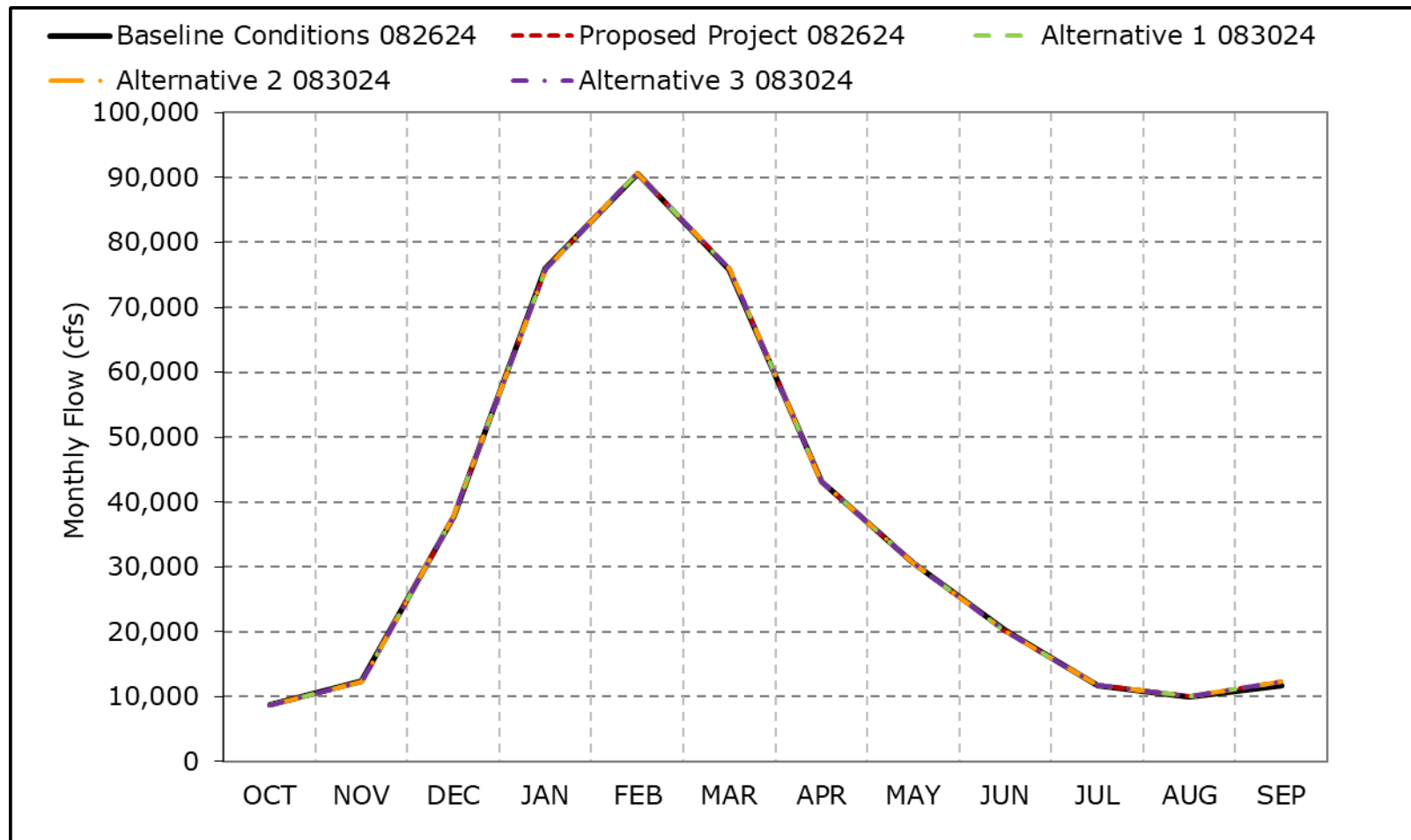


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with water year - year type sorting.

*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-3-4b. Sacramento River Flow at Rio Vista, Wet Year Average Flow

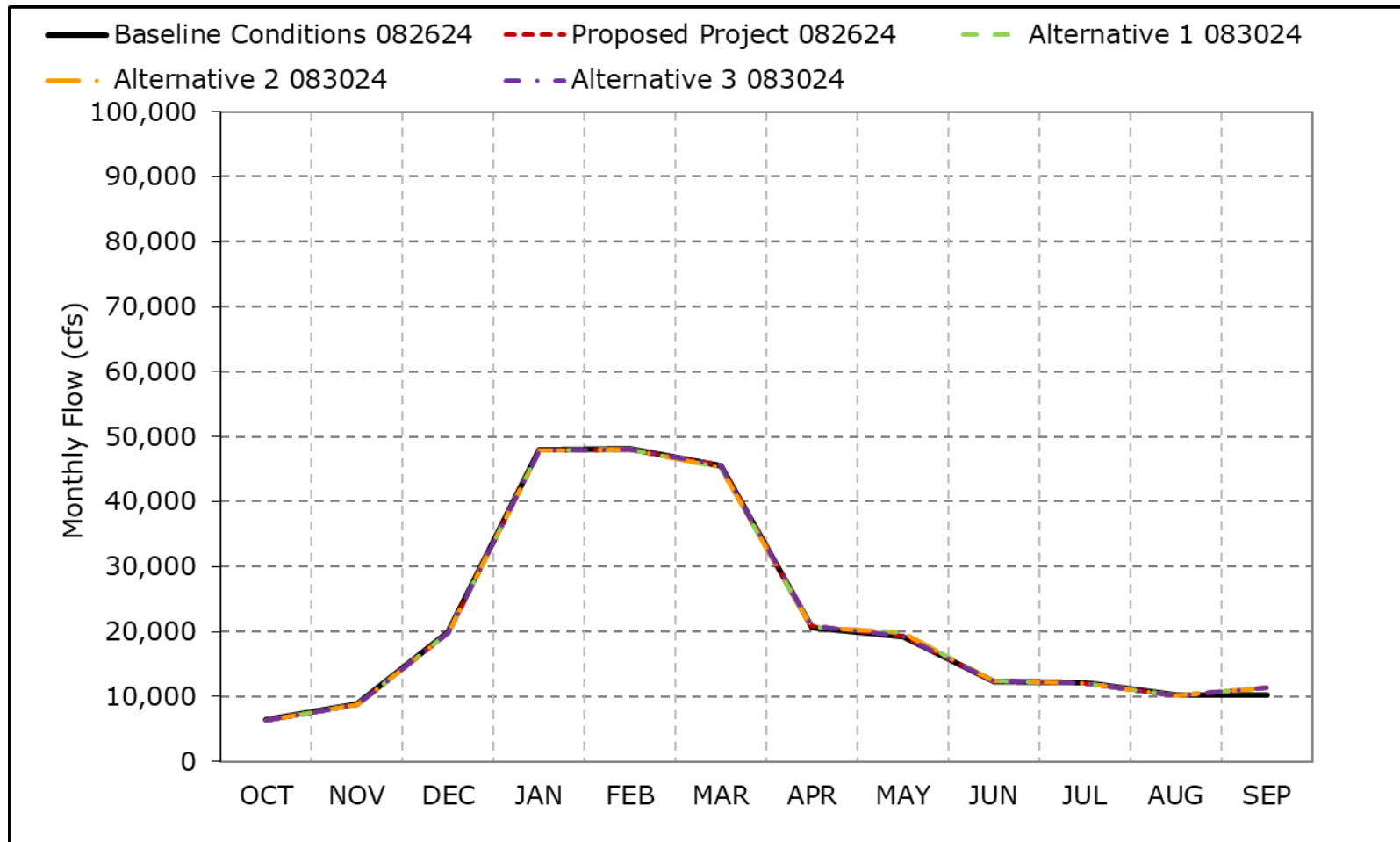


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with water year - year type sorting.

*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-3-4c. Sacramento River Flow at Rio Vista, Above Normal Year Average Flow

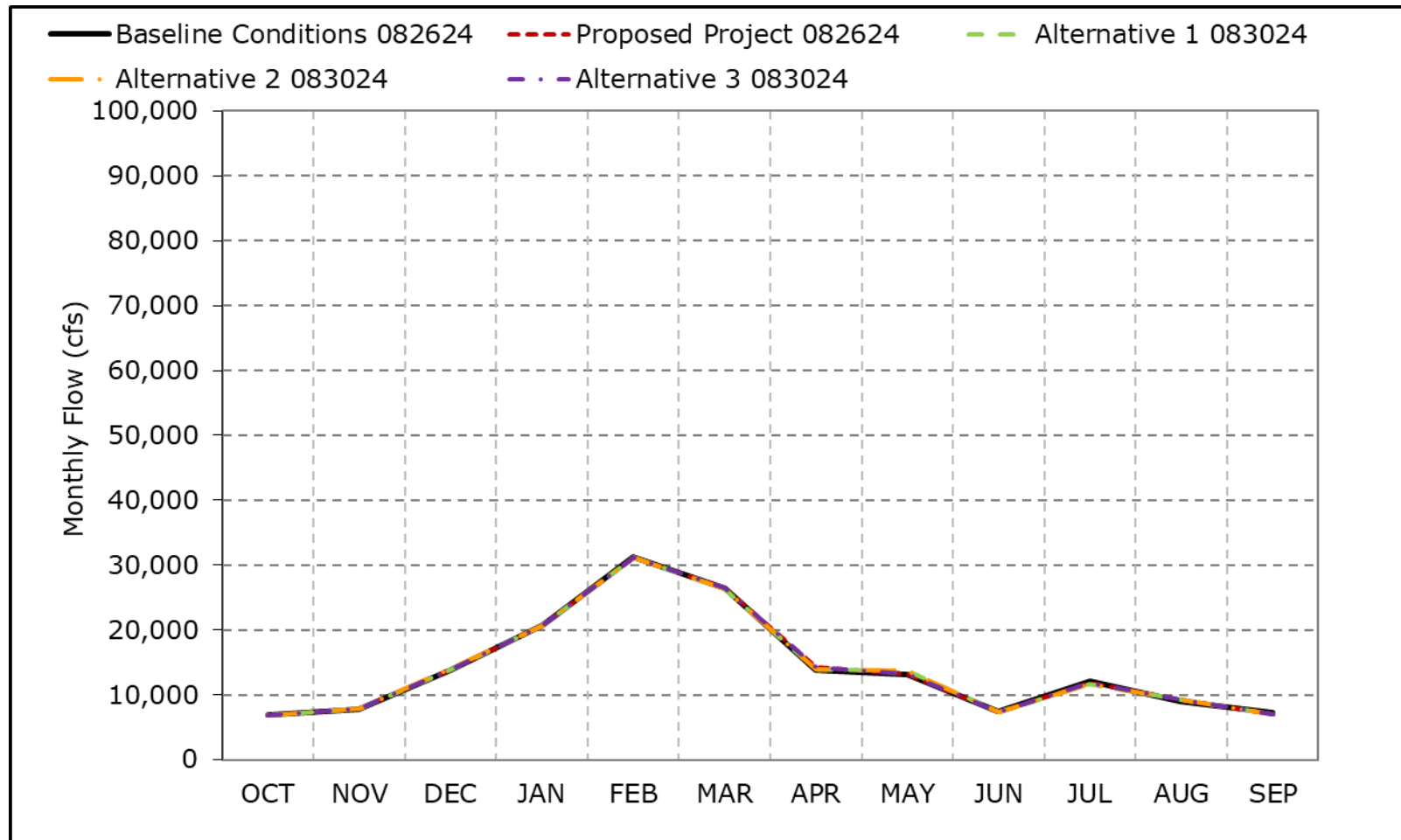


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with water year - year type sorting.

*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-3-4d. Sacramento River Flow at Rio Vista, Below Normal Year Average Flow

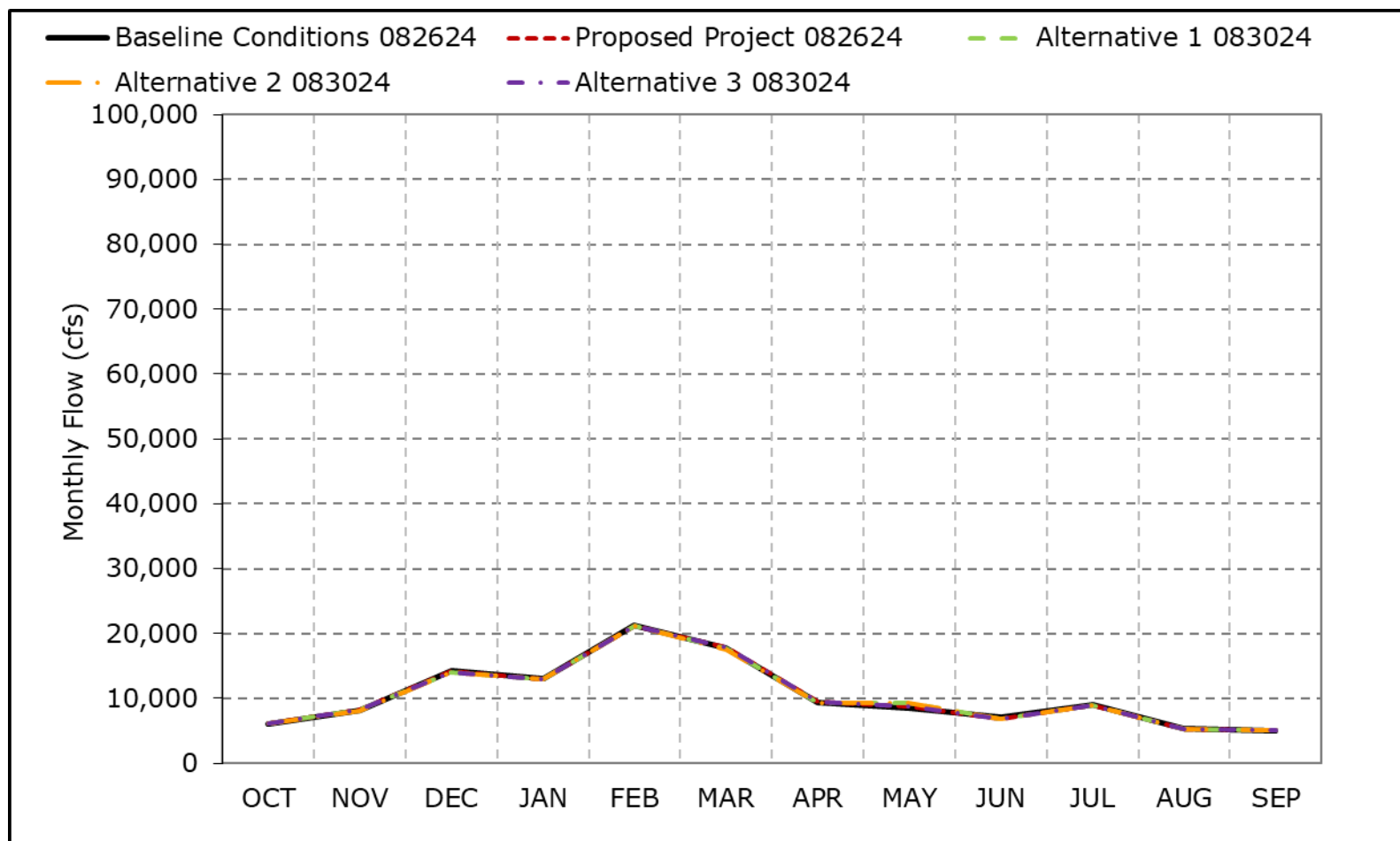


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with water year - year type sorting.

*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-3-4e. Sacramento River Flow at Rio Vista, Dry Year Average Flow

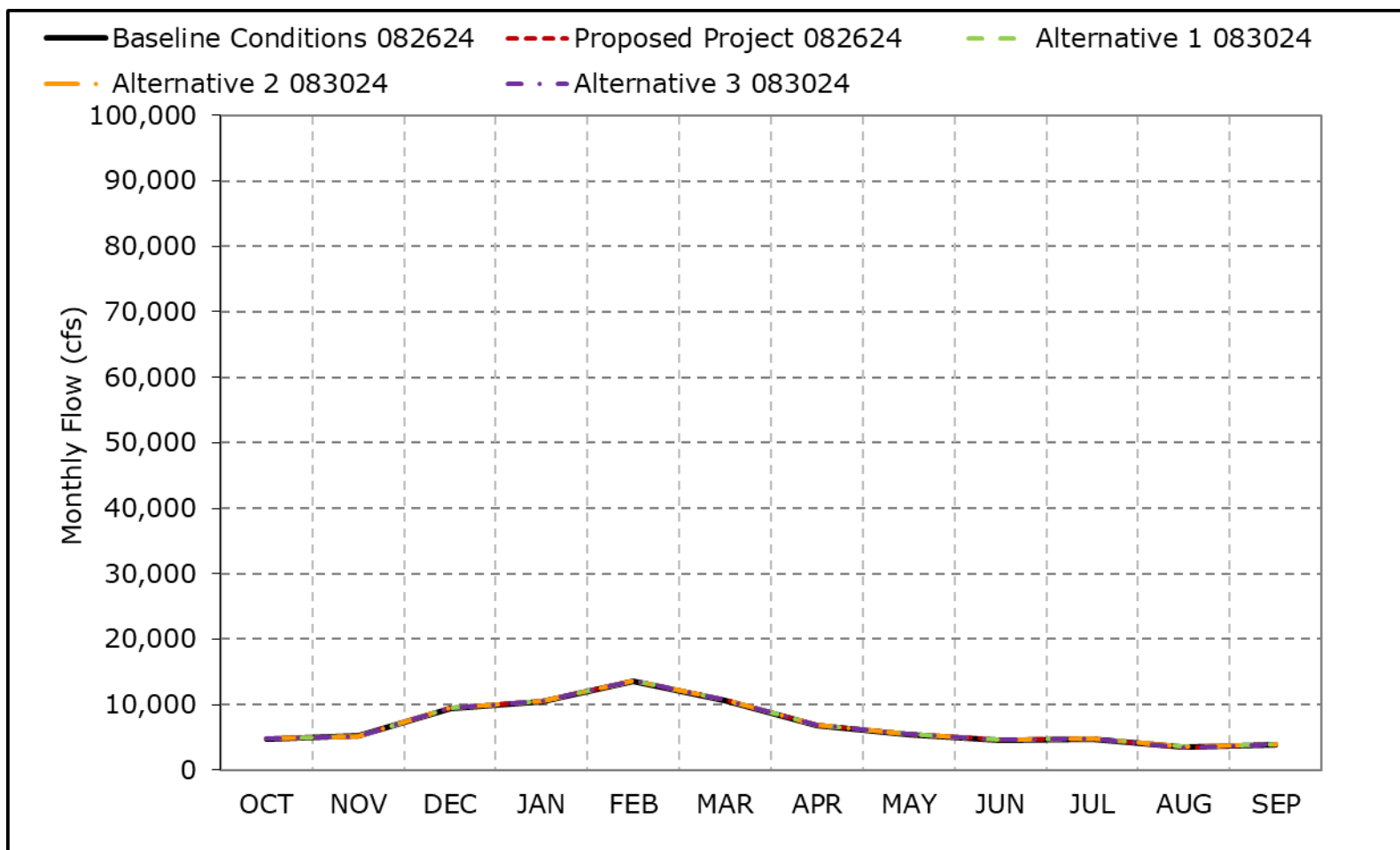


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with water year - year type sorting.

*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-3-4f. Sacramento River Flow at Rio Vista, Critical Year Average Flow

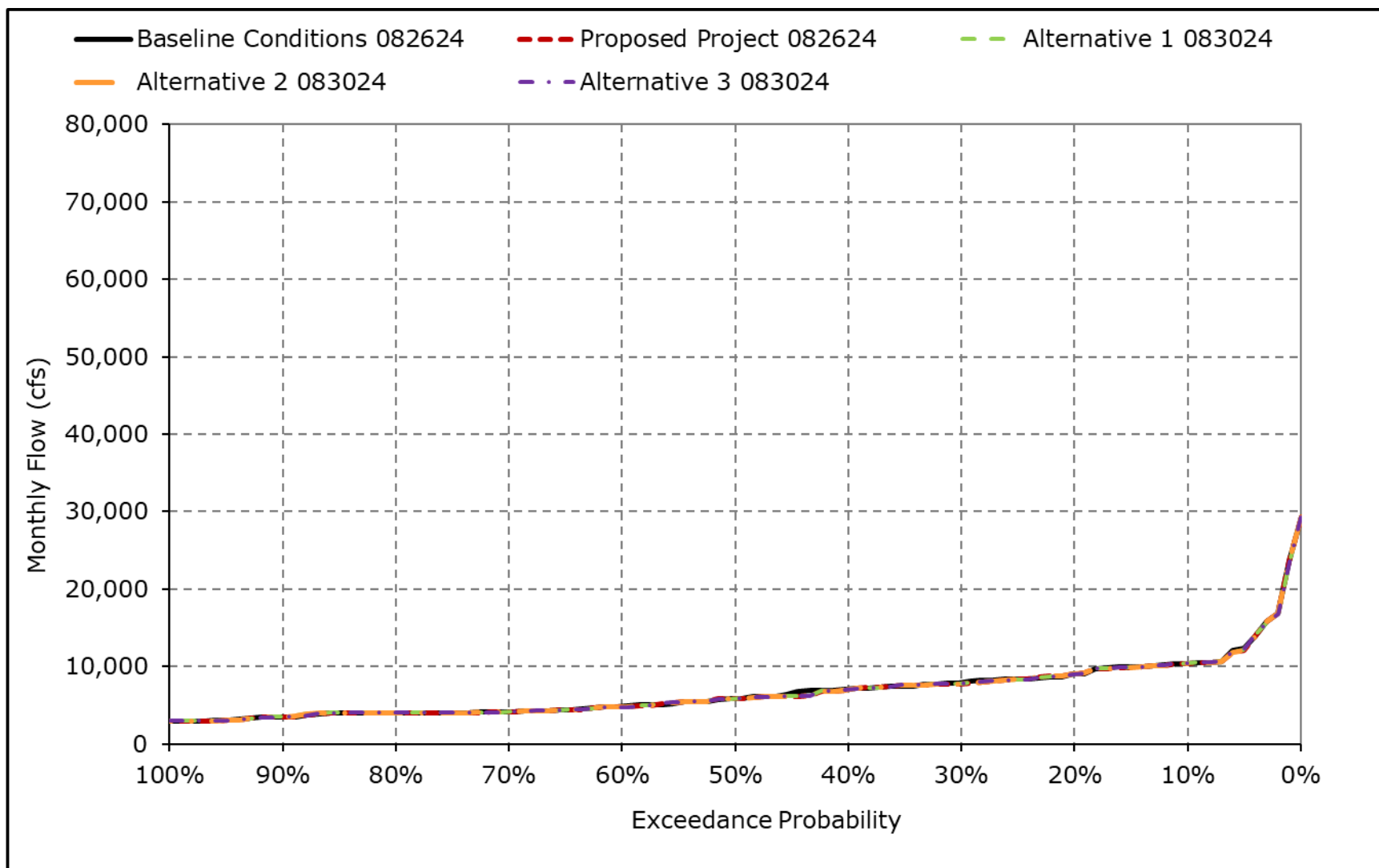


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with water year - year type sorting.

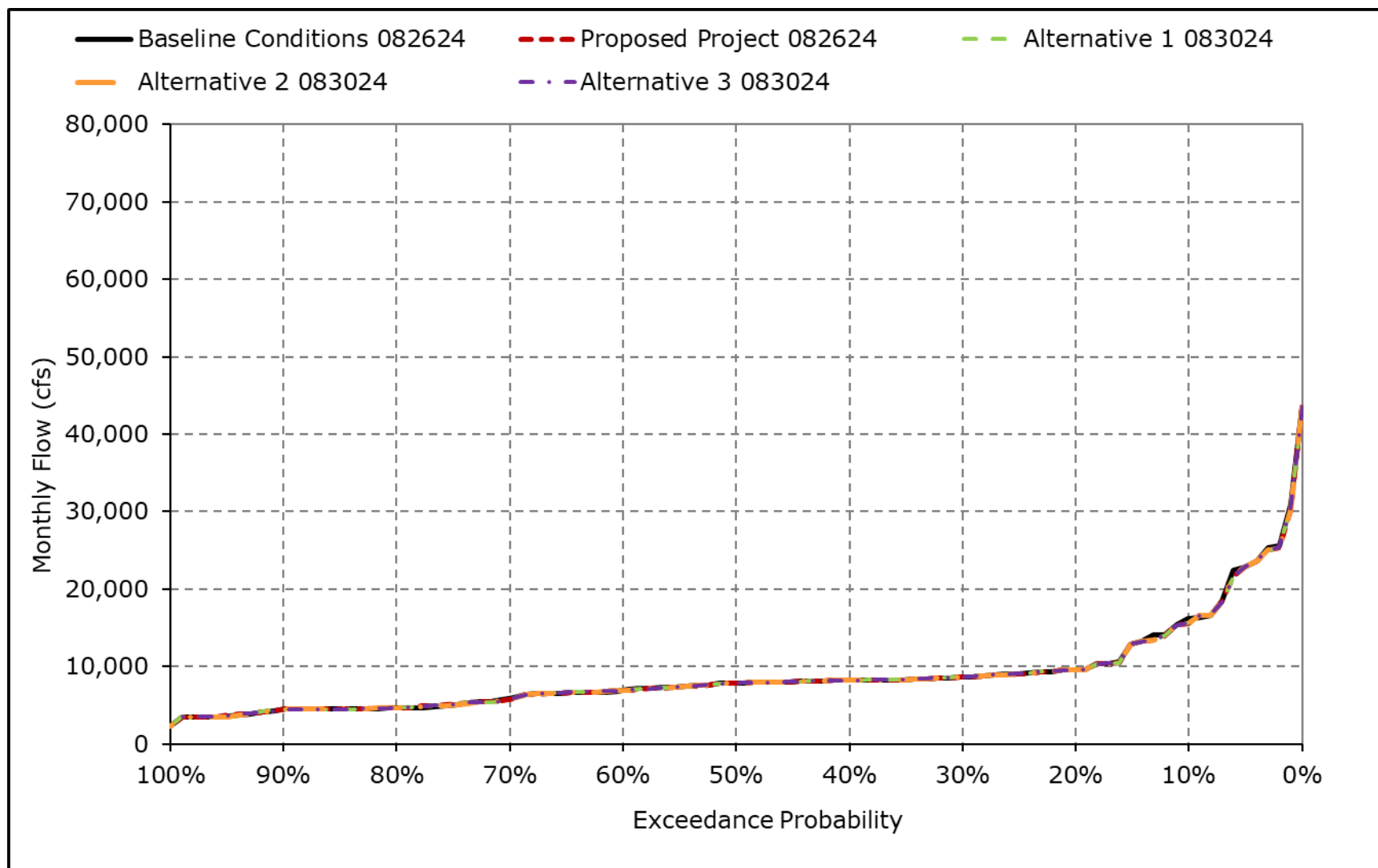
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-3-4g. Sacramento River Flow at Rio Vista, October



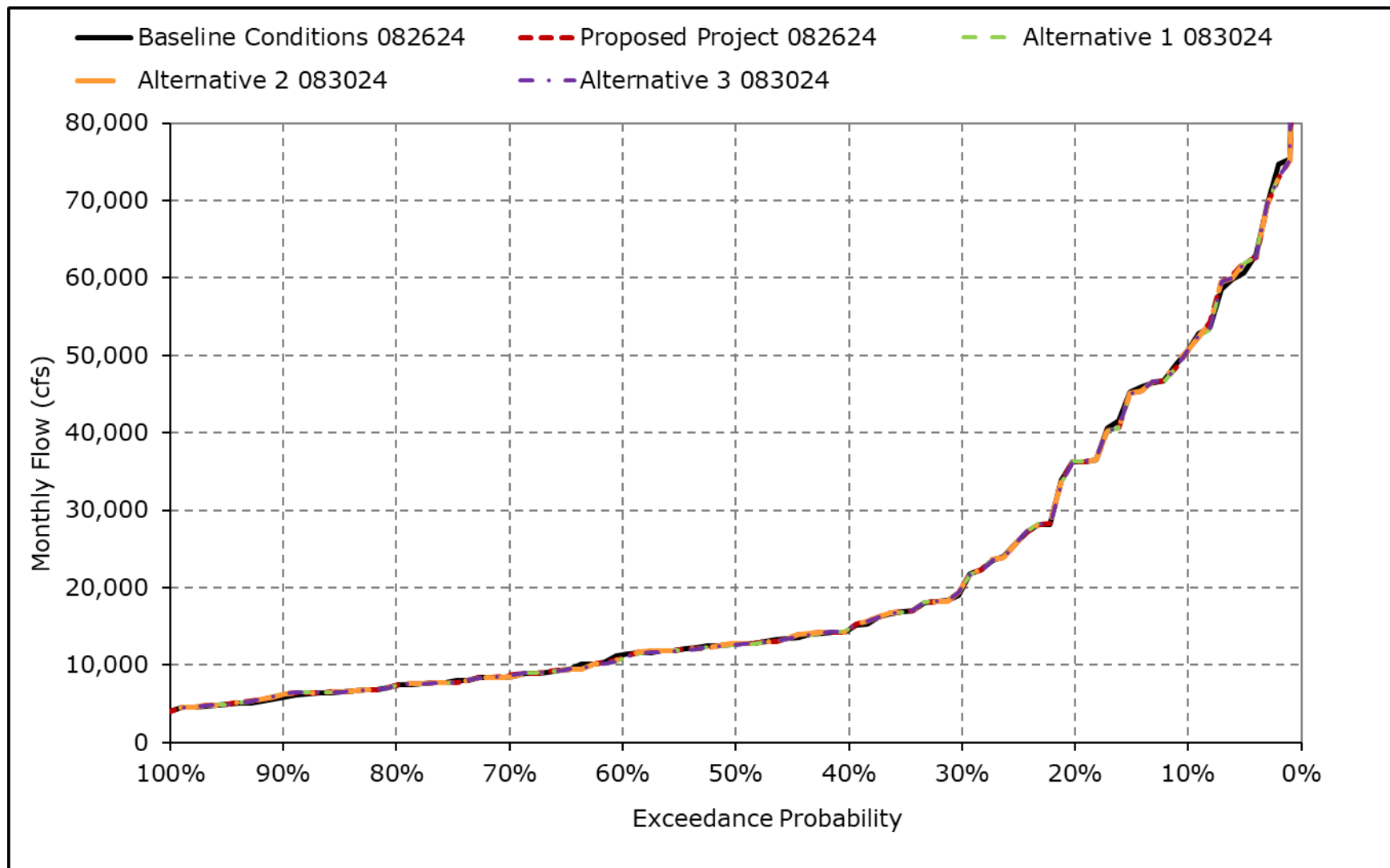
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-3-4h. Sacramento River Flow at Rio Vista, November



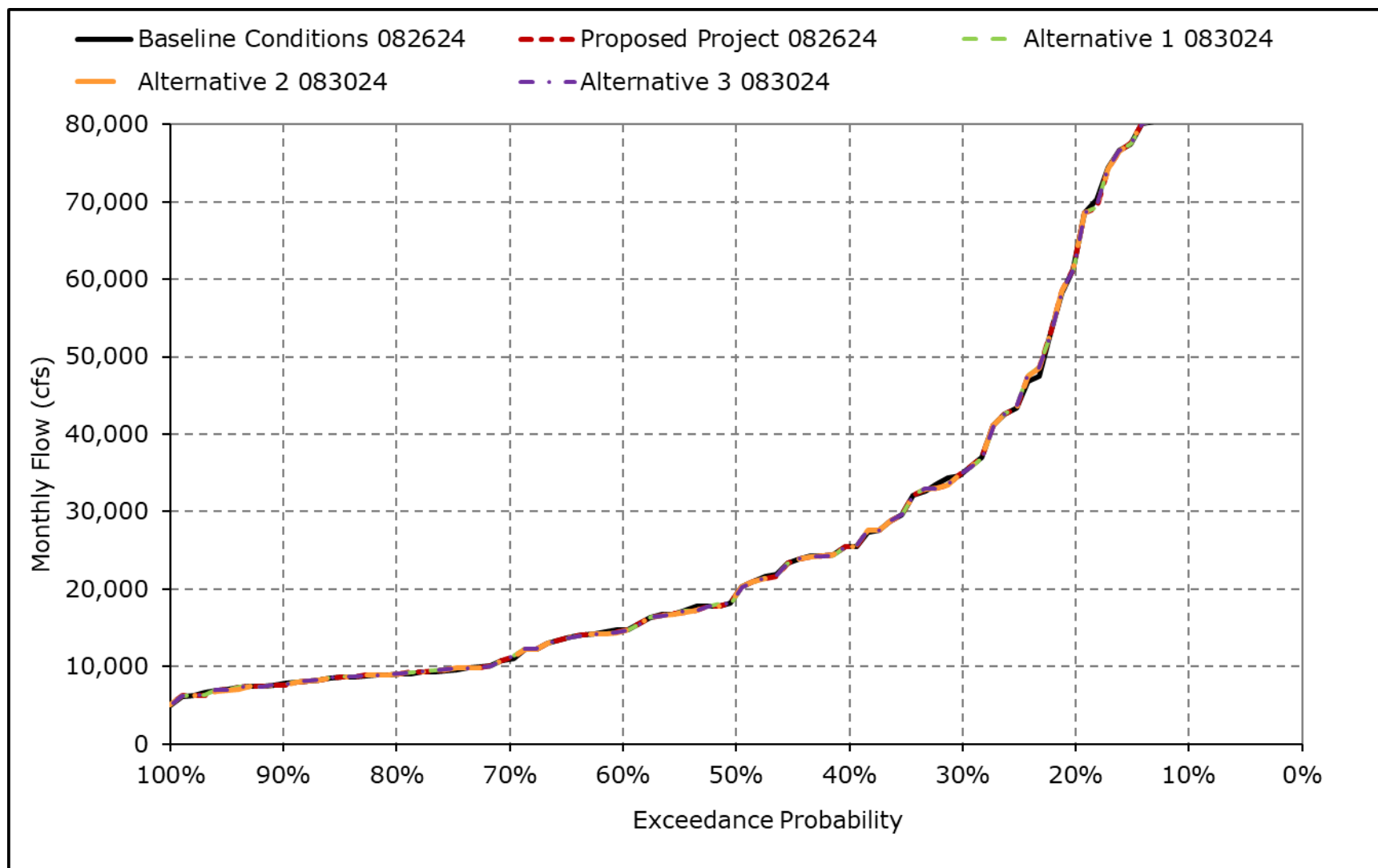
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-3-4i. Sacramento River Flow at Rio Vista, December



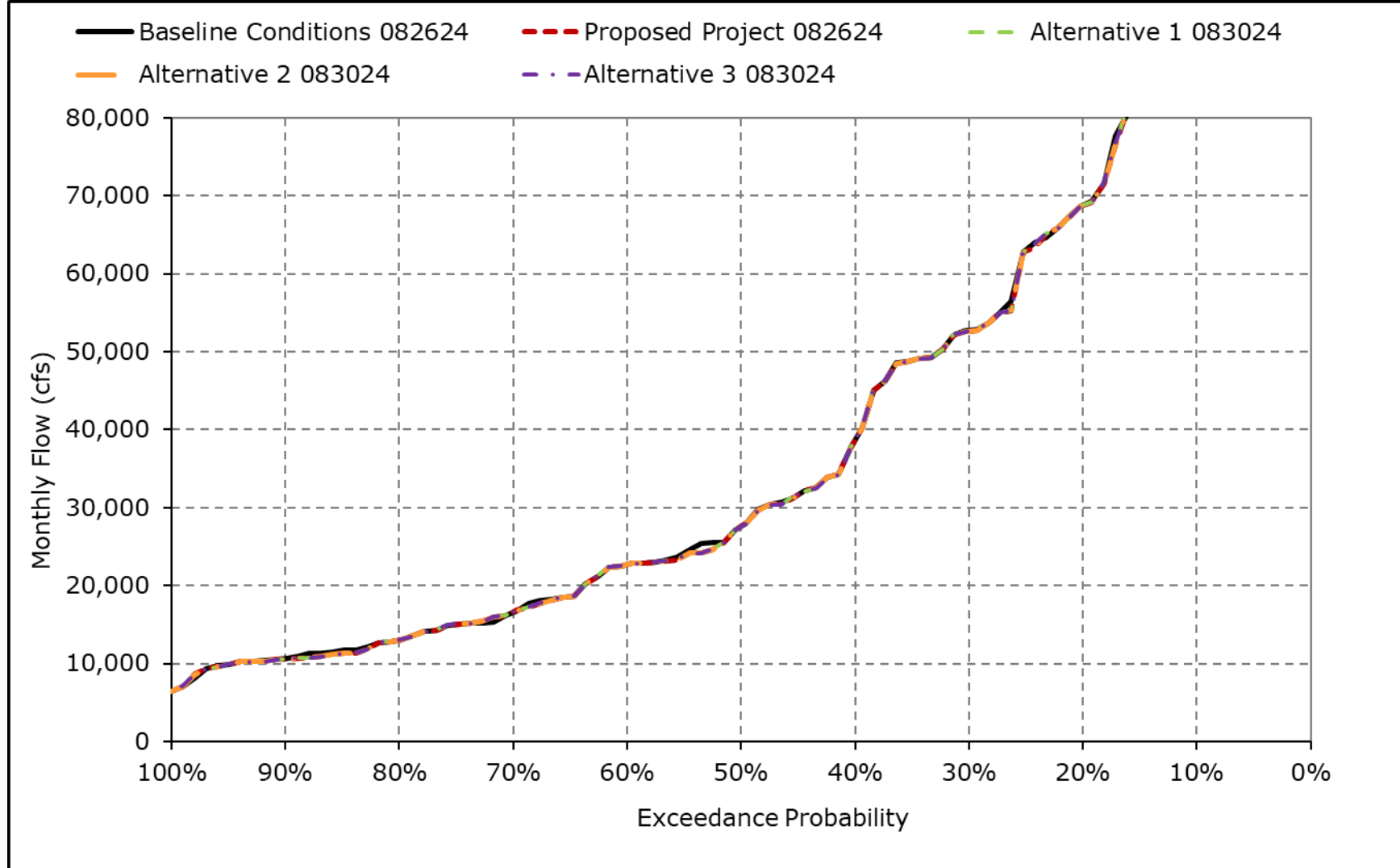
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-3-4j. Sacramento River Flow at Rio Vista, January



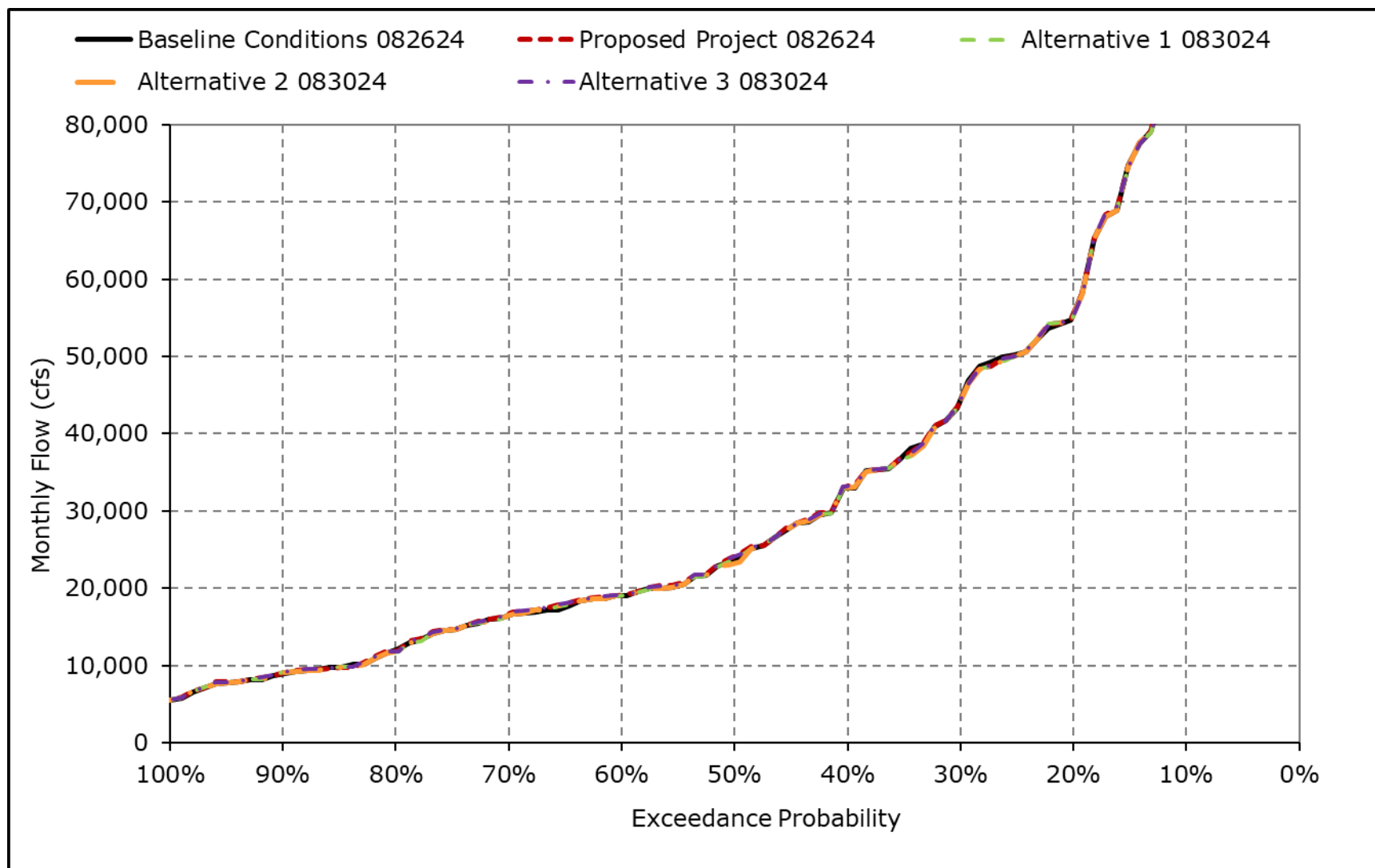
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-3-4k. Sacramento River Flow at Rio Vista, February



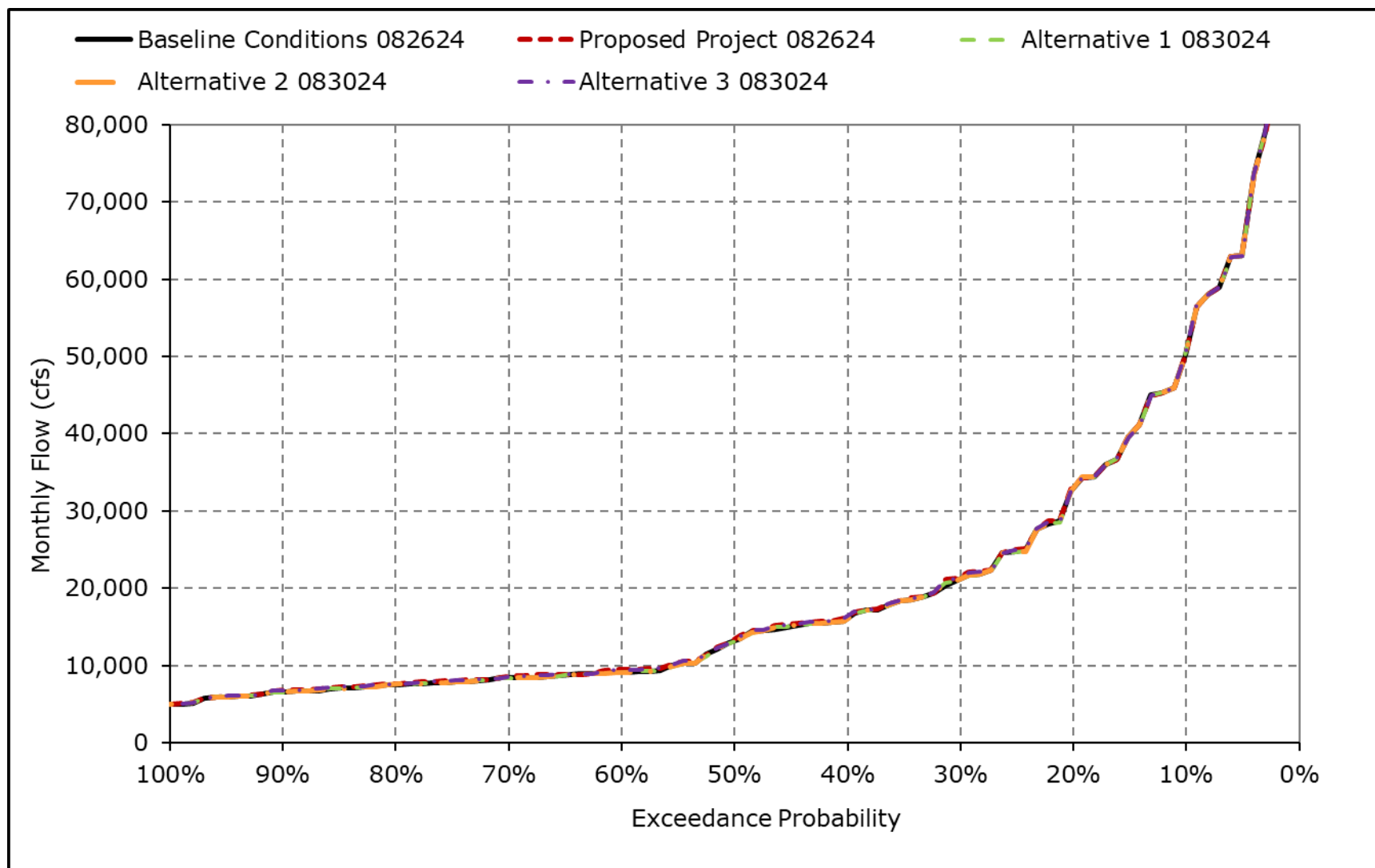
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-3-4I. Sacramento River Flow at Rio Vista, March



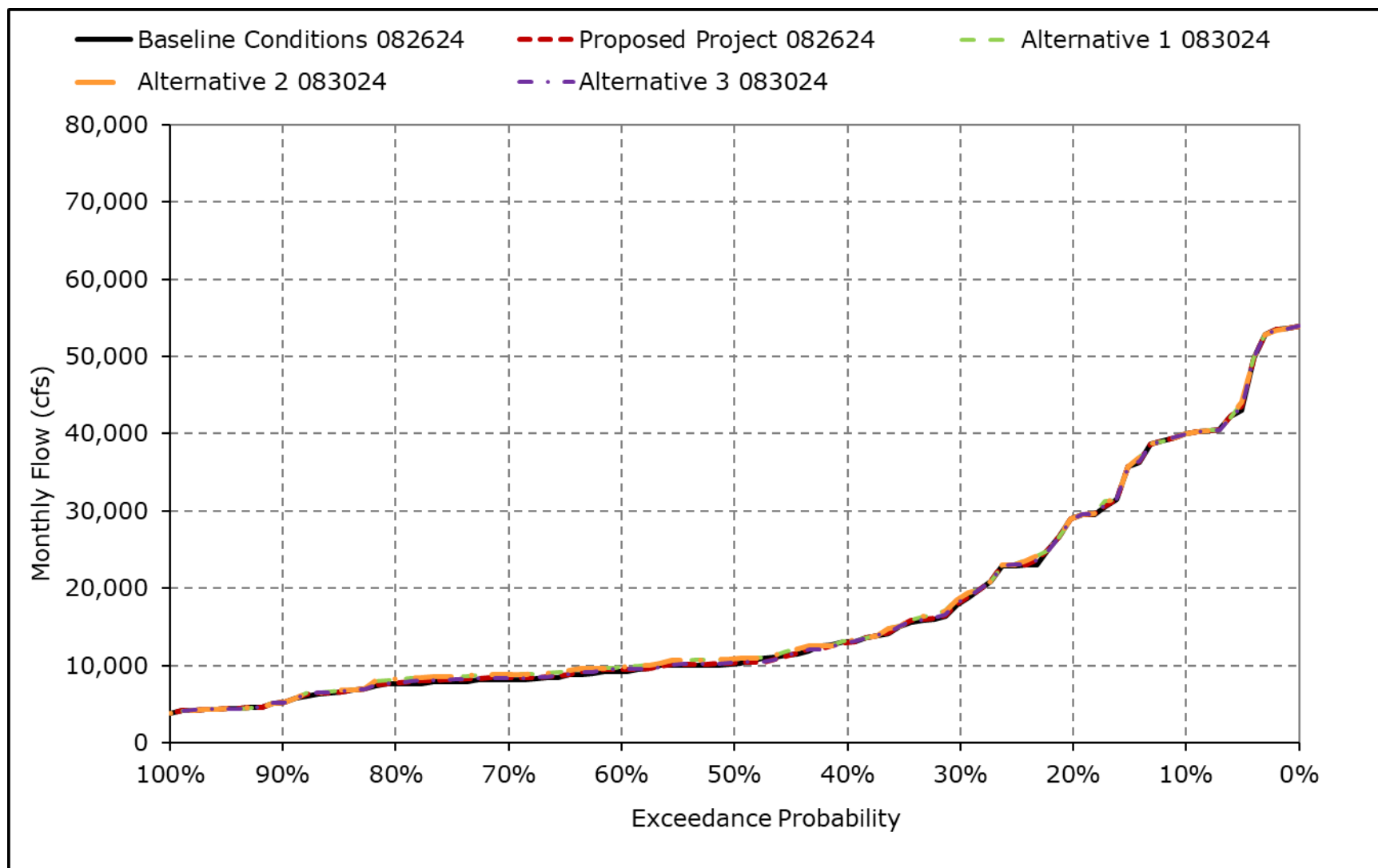
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-3-4m. Sacramento River Flow at Rio Vista, April



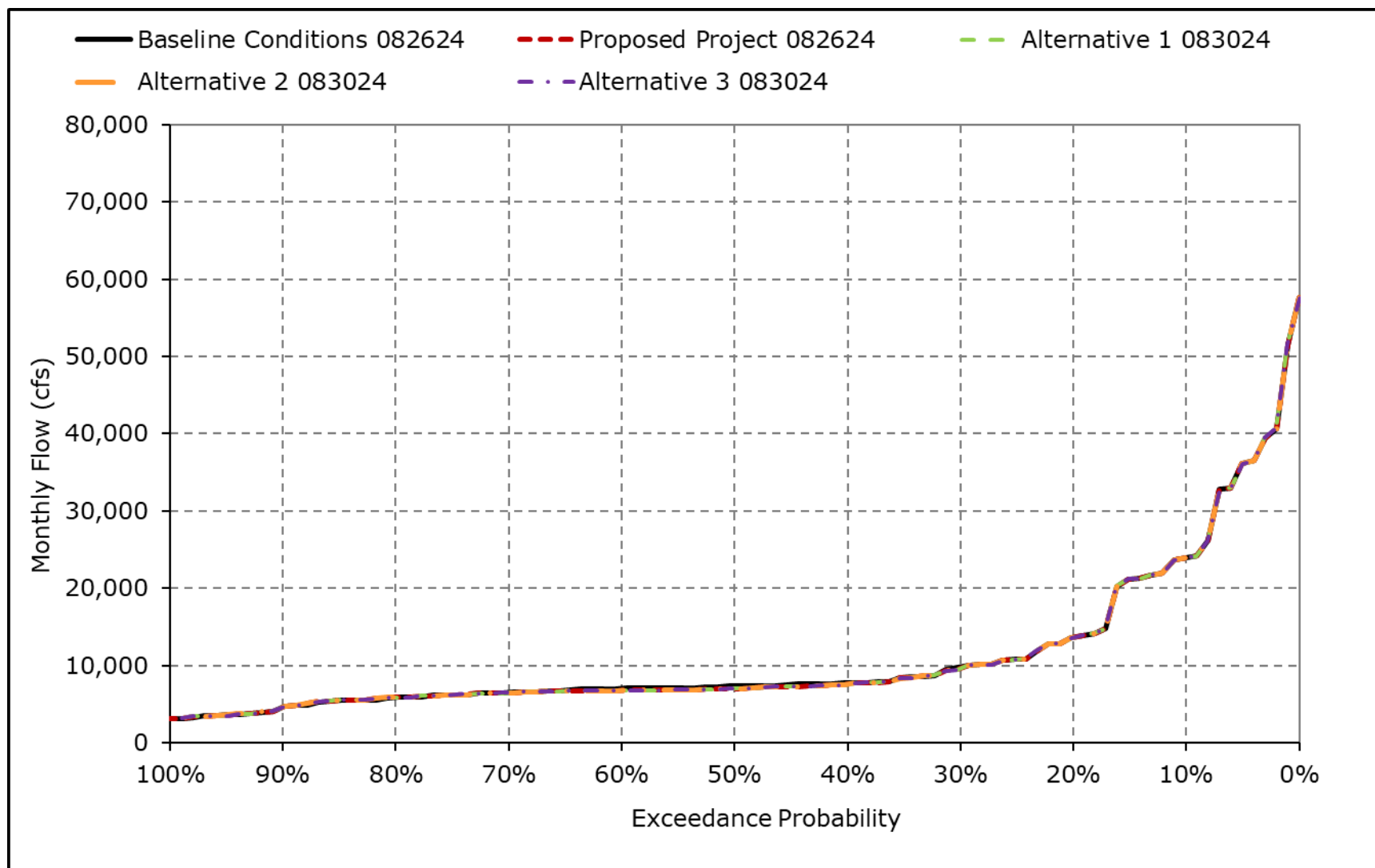
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-3-4n. Sacramento River Flow at Rio Vista, May



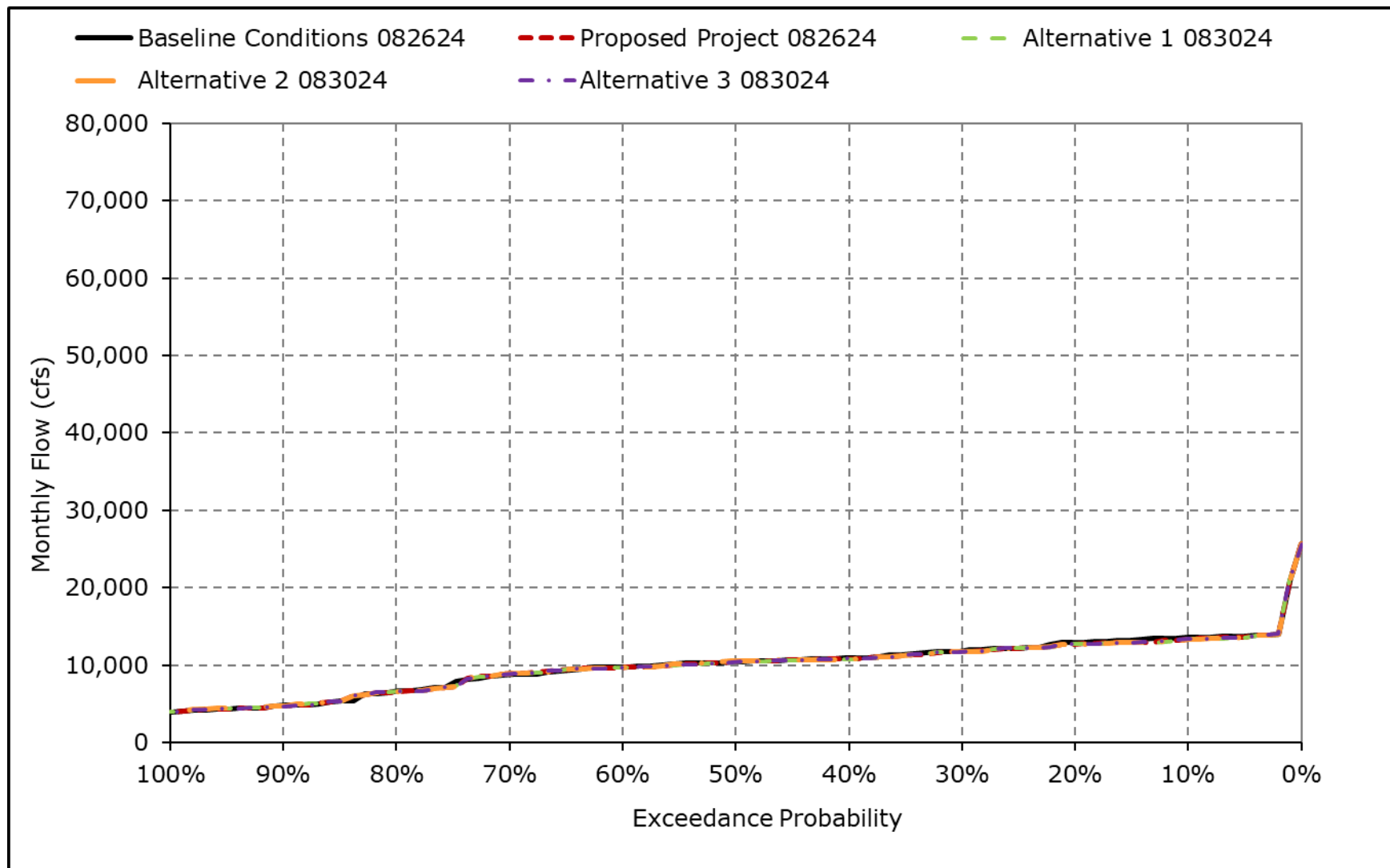
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-3-4o. Sacramento River Flow at Rio Vista, June



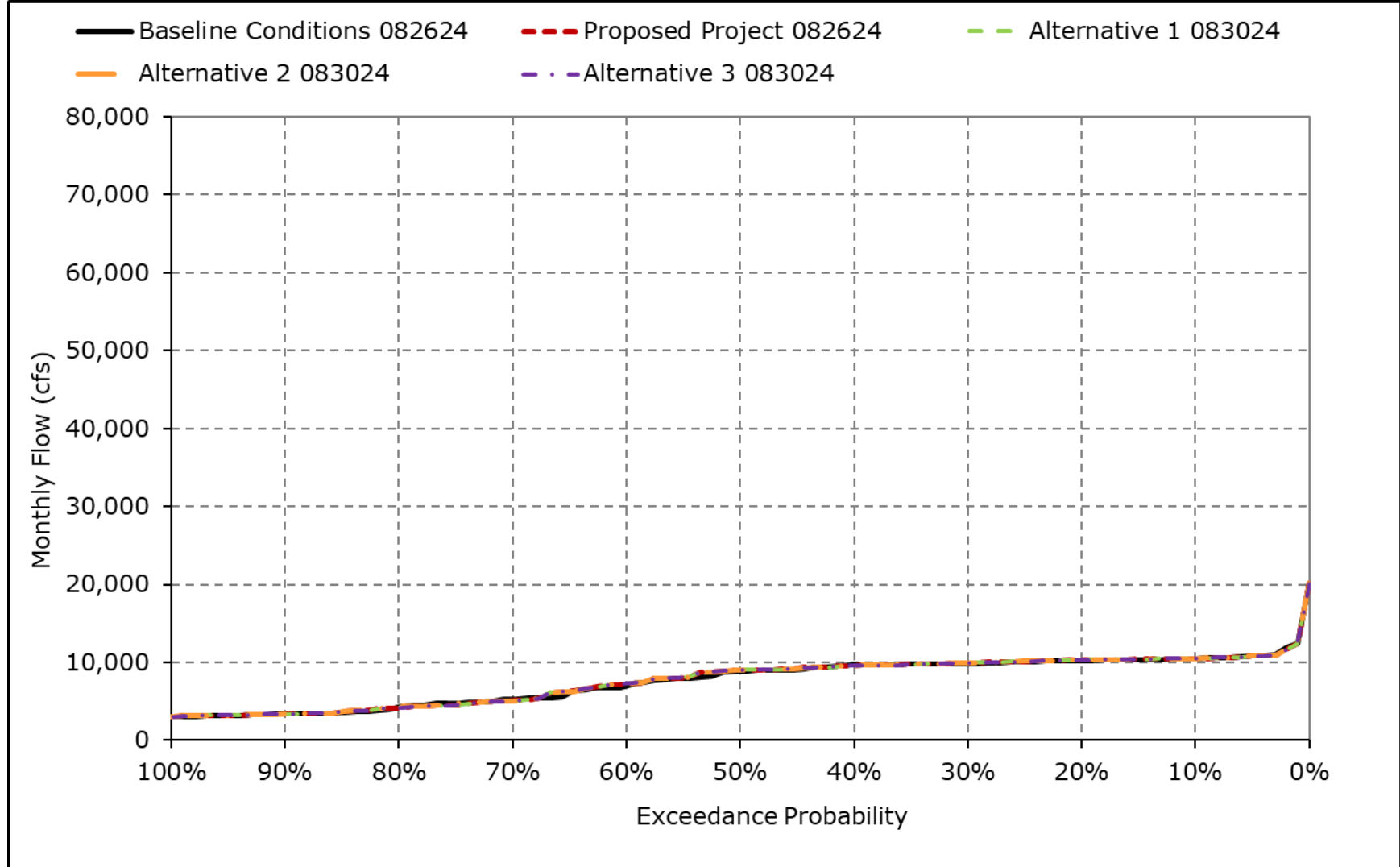
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-3-4p. Sacramento River Flow at Rio Vista, July



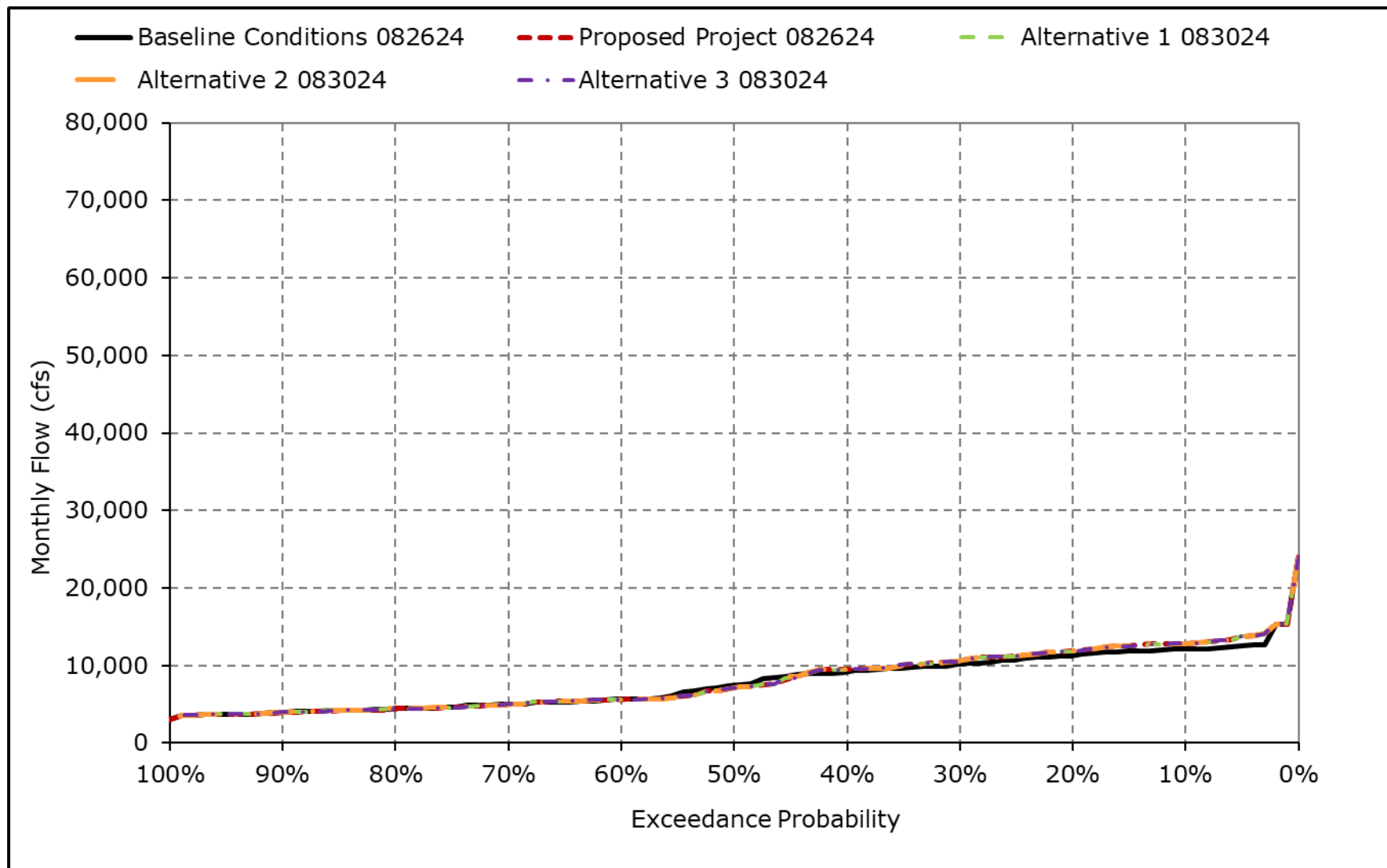
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-3-4q. Sacramento River Flow at Rio Vista, August



*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-3-4r. Sacramento River Flow at Rio Vista, September



*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Table 4C-3-5-1a. San Joaquin River at Vernalis, Baseline Conditions 082624, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	3,975	2,642	3,876	9,369	11,402	13,581	14,413	12,125	13,329	6,337	4,759	3,781
20% Exceedance	3,678	2,321	2,521	4,272	7,952	8,982	10,005	7,943	6,530	3,765	2,198	2,041
30% Exceedance	3,191	2,055	2,062	3,284	5,398	7,366	8,101	6,118	3,235	1,940	1,332	1,439
40% Exceedance	2,278	1,883	1,772	2,333	3,585	4,248	6,279	5,019	2,493	1,483	1,072	1,267
50% Exceedance	1,843	1,714	1,571	1,963	2,681	2,533	3,922	3,742	1,747	1,152	759	1,044
60% Exceedance	1,747	1,432	1,399	1,591	2,179	2,285	3,172	3,122	1,490	937	689	966
70% Exceedance	1,684	1,371	1,298	1,476	1,832	1,887	2,754	2,762	1,249	807	617	909
80% Exceedance	1,592	1,332	1,158	1,338	1,605	1,713	2,438	2,415	1,141	618	506	827
90% Exceedance	1,466	1,239	1,077	1,202	1,458	1,613	2,146	2,070	929	487	355	657
Full Simulation Period Average ^a	2,537	1,919	2,287	4,074	5,550	5,941	6,711	5,825	4,240	2,498	1,578	1,548
Wet Water Years (32%)	2,934	2,362	3,715	8,706	11,277	12,158	12,523	10,643	9,314	5,542	3,374	2,710
Above Normal Water Years (9%)	2,280	1,829	1,932	2,763	4,920	5,448	6,611	5,518	3,535	1,941	1,220	1,438
Below Normal Water Years (20%)	2,764	1,974	1,783	2,217	3,929	4,287	5,523	4,782	2,485	1,435	936	1,158
Dry Water Years (21%)	2,358	1,650	1,552	1,581	1,871	1,905	2,766	2,723	1,284	818	622	922
Critical Water Years (18%)	1,916	1,430	1,341	1,468	1,779	1,682	2,353	2,189	973	506	394	702

Table 4C-3-5-1b. San Joaquin River at Vernalis, Proposed Project 082624, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	3,971	2,639	3,873	9,358	11,399	13,578	14,414	12,119	13,322	6,335	4,758	3,779
20% Exceedance	3,675	2,319	2,519	4,244	7,950	8,982	10,002	7,940	6,529	3,762	2,196	2,040
30% Exceedance	3,191	2,052	2,060	3,282	5,395	7,364	8,098	6,112	3,232	1,939	1,328	1,434
40% Exceedance	2,276	1,882	1,770	2,330	3,584	4,244	6,277	5,015	2,493	1,480	1,070	1,264
50% Exceedance	1,839	1,711	1,567	1,963	2,678	2,530	3,920	3,736	1,742	1,143	756	1,047
60% Exceedance	1,737	1,430	1,395	1,589	2,177	2,282	3,169	3,115	1,482	931	682	964
70% Exceedance	1,681	1,380	1,295	1,474	1,831	1,884	2,751	2,758	1,245	808	604	902
80% Exceedance	1,572	1,331	1,154	1,336	1,603	1,708	2,435	2,406	1,140	605	486	822
90% Exceedance	1,473	1,229	1,079	1,201	1,460	1,611	2,144	2,068	912	490	357	658
Full Simulation Period Average ^a	2,535	1,917	2,284	4,069	5,546	5,937	6,708	5,821	4,236	2,493	1,574	1,546
Wet Water Years (32%)	2,929	2,357	3,710	8,696	11,272	12,152	12,519	10,639	9,310	5,538	3,371	2,708
Above Normal Water Years (9%)	2,279	1,831	1,932	2,753	4,910	5,441	6,607	5,513	3,531	1,936	1,214	1,433
Below Normal Water Years (20%)	2,770	1,975	1,781	2,215	3,927	4,284	5,520	4,777	2,480	1,429	930	1,154
Dry Water Years (21%)	2,355	1,648	1,550	1,579	1,869	1,902	2,762	2,718	1,280	812	616	924
Critical Water Years (18%)	1,913	1,429	1,339	1,466	1,776	1,680	2,351	2,188	969	500	392	699

Table 4C-3-5-1c. San Joaquin River at Vernalis, Proposed Project 082624 minus Baseline Conditions 082624, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-4	-2	-3	-11	-2	-3	1	-6	-7	-2	-1	-2
20% Exceedance	-3	-2	-3	-28	-2	-1	-2	-3	-1	-3	-2	-1
30% Exceedance	0	-3	-2	-2	-3	-2	-3	-6	-2	-1	-3	-5
40% Exceedance	-2	-2	-1	-3	-1	-4	-3	-4	-1	-3	-3	-3
50% Exceedance	-4	-3	-3	0	-3	-3	-2	-6	-5	-9	-4	3
60% Exceedance	-10	-2	-4	-2	-2	-2	-4	-7	-8	-6	-7	-2
70% Exceedance	-3	9	-3	-2	-1	-4	-3	-4	-4	1	-13	-8
80% Exceedance	-20	-1	-4	-3	-2	-5	-3	-9	-1	-13	-20	-6
90% Exceedance	8	-9	2	-1	1	-2	-2	-3	-17	2	2	1
Full Simulation Period Average ^a	-1	-2	-2	-6	-4	-4	-3	-4	-4	-5	-4	-2
Wet Water Years (32%)	-5	-5	-5	-11	-4	-7	-3	-4	-4	-4	-3	-2
Above Normal Water Years (9%)	0	1	0	-10	-10	-7	-4	-5	-4	-5	-6	-6
Below Normal Water Years (20%)	6	1	-1	-3	-2	-2	-3	-4	-5	-6	-5	-4
Dry Water Years (21%)	-3	-2	-2	-2	-2	-3	-4	-4	-4	-5	-6	2
Critical Water Years (18%)	-2	-1	-1	-1	-3	-2	-2	-1	-3	-5	-2	-3

^a Based on the 100-year simulation period.

* All scenarios are simulated at current climate condition and 0 cm sea level rise.

* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with water year - year type sorting.

Table 4C-3-5-2a. San Joaquin River at Vernalis, Baseline Conditions 082624, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	3,975	2,642	3,876	9,369	11,402	13,581	14,413	12,125	13,329	6,337	4,759	3,781
20% Exceedance	3,678	2,321	2,521	4,272	7,952	8,982	10,005	7,943	6,530	3,765	2,198	2,041
30% Exceedance	3,191	2,055	2,062	3,284	5,398	7,366	8,101	6,118	3,235	1,940	1,332	1,439
40% Exceedance	2,278	1,883	1,772	2,333	3,585	4,248	6,279	5,019	2,493	1,483	1,072	1,267
50% Exceedance	1,843	1,714	1,571	1,963	2,681	2,533	3,922	3,742	1,747	1,152	759	1,044
60% Exceedance	1,747	1,432	1,399	1,591	2,179	2,285	3,172	3,122	1,490	937	689	966
70% Exceedance	1,684	1,371	1,298	1,476	1,832	1,887	2,754	2,762	1,249	807	617	909
80% Exceedance	1,592	1,332	1,158	1,338	1,605	1,713	2,438	2,415	1,141	618	506	827
90% Exceedance	1,466	1,239	1,077	1,202	1,458	1,613	2,146	2,070	929	487	355	657
Full Simulation Period Average ^a	2,537	1,919	2,287	4,074	5,550	5,941	6,711	5,825	4,240	2,498	1,578	1,548
Wet Water Years (32%)	2,934	2,362	3,715	8,706	11,277	12,158	12,523	10,643	9,314	5,542	3,374	2,710
Above Normal Water Years (9%)	2,280	1,829	1,932	2,763	4,920	5,448	6,611	5,518	3,535	1,941	1,220	1,438
Below Normal Water Years (20%)	2,764	1,974	1,783	2,217	3,929	4,287	5,523	4,782	2,485	1,435	936	1,158
Dry Water Years (21%)	2,358	1,650	1,552	1,581	1,871	1,905	2,766	2,723	1,284	818	622	922
Critical Water Years (18%)	1,916	1,430	1,341	1,468	1,779	1,682	2,353	2,189	973	506	394	702

Table 4C-3-5-2b. San Joaquin River at Vernalis, Alternative 1 083024, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	3,971	2,640	3,873	9,359	11,400	13,577	14,484	12,119	13,325	6,335	4,759	3,779
20% Exceedance	3,677	2,320	2,519	4,282	7,950	8,982	10,003	7,941	6,530	3,763	2,196	2,041
30% Exceedance	3,191	2,053	2,060	3,283	5,395	7,364	8,098	6,113	3,233	1,940	1,329	1,434
40% Exceedance	2,276	1,882	1,771	2,330	3,584	4,245	6,277	5,015	2,493	1,481	1,070	1,265
50% Exceedance	1,839	1,711	1,568	1,963	2,678	2,530	3,920	3,736	1,742	1,143	755	1,047
60% Exceedance	1,738	1,430	1,395	1,589	2,177	2,283	3,169	3,115	1,482	932	682	965
70% Exceedance	1,681	1,380	1,295	1,474	1,832	1,884	2,751	2,758	1,246	809	605	902
80% Exceedance	1,572	1,331	1,155	1,336	1,603	1,708	2,435	2,406	1,140	606	486	822
90% Exceedance	1,457	1,233	1,072	1,201	1,460	1,611	2,144	2,066	916	490	368	686
Full Simulation Period Average ^a	2,535	1,917	2,284	4,070	5,548	5,937	6,709	5,821	4,237	2,494	1,575	1,548
Wet Water Years (32%)	2,929	2,357	3,711	8,696	11,273	12,152	12,522	10,640	9,311	5,539	3,372	2,708
Above Normal Water Years (9%)	2,279	1,829	1,933	2,763	4,919	5,444	6,608	5,514	3,532	1,937	1,214	1,433
Below Normal Water Years (20%)	2,770	1,976	1,781	2,215	3,927	4,285	5,520	4,778	2,480	1,429	931	1,155
Dry Water Years (21%)	2,356	1,649	1,551	1,579	1,869	1,902	2,763	2,719	1,280	813	617	924
Critical Water Years (18%)	1,909	1,426	1,338	1,466	1,776	1,680	2,351	2,188	970	502	394	708

Table 4C-3-5-2c. San Joaquin River at Vernalis, Alternative 1 083024 minus Baseline Conditions 082624, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-4	-2	-3	-11	-2	-4	71	-6	-4	-2	-1	-2
20% Exceedance	-1	-2	-2	10	-2	-1	-2	-2	0	-2	-2	-1
30% Exceedance	0	-2	-2	-1	-3	-1	-3	-5	-2	0	-3	-5
40% Exceedance	-1	-1	-1	-2	-1	-3	-2	-4	0	-2	-3	-2
50% Exceedance	-4	-2	-3	0	-2	-3	-1	-6	-4	-8	-4	4
60% Exceedance	-9	-2	-3	-2	-2	-2	-3	-7	-8	-5	-7	-1
70% Exceedance	-3	9	-3	-2	0	-3	-3	-4	-2	1	-12	-8
80% Exceedance	-20	0	-3	-2	-1	-5	-3	-9	-2	-12	-20	-5
90% Exceedance	-8	-5	-4	0	1	-2	-2	-4	-13	2	13	29
Full Simulation Period Average ^a	-2	-2	-2	-4	-2	-4	-2	-3	-4	-4	-3	0
Wet Water Years (32%)	-5	-5	-4	-10	-4	-7	0	-3	-4	-3	-2	-2
Above Normal Water Years (9%)	0	0	1	1	-2	-4	-3	-5	-3	-4	-6	-5
Below Normal Water Years (20%)	7	2	-1	-2	-2	-2	-3	-4	-5	-6	-5	-2
Dry Water Years (21%)	-2	-1	-2	-2	-2	-2	-3	-4	-4	-5	-5	2
Critical Water Years (18%)	-6	-4	-2	-2	-3	-2	-2	-1	-2	-4	0	6

^a Based on the 100-year simulation period.

* All scenarios are simulated at current climate condition and 0 cm sea level rise.

* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with water year - year type sorting.

Table 4C-3-5-3a. San Joaquin River at Vernalis, Baseline Conditions 082624, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	3,975	2,642	3,876	9,369	11,402	13,581	14,413	12,125	13,329	6,337	4,759	3,781
20% Exceedance	3,678	2,321	2,521	4,272	7,952	8,982	10,005	7,943	6,530	3,765	2,198	2,041
30% Exceedance	3,191	2,055	2,062	3,284	5,398	7,366	8,101	6,118	3,235	1,940	1,332	1,439
40% Exceedance	2,278	1,883	1,772	2,333	3,585	4,248	6,279	5,019	2,493	1,483	1,072	1,267
50% Exceedance	1,843	1,714	1,571	1,963	2,681	2,533	3,922	3,742	1,747	1,152	759	1,044
60% Exceedance	1,747	1,432	1,399	1,591	2,179	2,285	3,172	3,122	1,490	937	689	966
70% Exceedance	1,684	1,371	1,298	1,476	1,832	1,887	2,754	2,762	1,249	807	617	909
80% Exceedance	1,592	1,332	1,158	1,338	1,605	1,713	2,438	2,415	1,141	618	506	827
90% Exceedance	1,466	1,239	1,077	1,202	1,458	1,613	2,146	2,070	929	487	355	657
Full Simulation Period Average ^a	2,537	1,919	2,287	4,074	5,550	5,941	6,711	5,825	4,240	2,498	1,578	1,548
Wet Water Years (32%)	2,934	2,362	3,715	8,706	11,277	12,158	12,523	10,643	9,314	5,542	3,374	2,710
Above Normal Water Years (9%)	2,280	1,829	1,932	2,763	4,920	5,448	6,611	5,518	3,535	1,941	1,220	1,438
Below Normal Water Years (20%)	2,764	1,974	1,783	2,217	3,929	4,287	5,523	4,782	2,485	1,435	936	1,158
Dry Water Years (21%)	2,358	1,650	1,552	1,581	1,871	1,905	2,766	2,723	1,284	818	622	922
Critical Water Years (18%)	1,916	1,430	1,341	1,468	1,779	1,682	2,353	2,189	973	506	394	702

Table 4C-3-5-3b. San Joaquin River at Vernalis, Alternative 2 083024, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	3,971	2,640	3,873	9,359	11,400	13,579	14,414	12,119	13,323	6,335	4,758	3,779
20% Exceedance	3,677	2,320	2,519	4,260	7,950	8,982	10,003	7,941	6,530	3,763	2,196	2,041
30% Exceedance	3,191	2,053	2,060	3,283	5,395	7,364	8,098	6,112	3,233	1,939	1,329	1,433
40% Exceedance	2,276	1,882	1,771	2,330	3,584	4,245	6,277	5,015	2,493	1,481	1,070	1,265
50% Exceedance	1,839	1,711	1,567	1,963	2,678	2,530	3,920	3,736	1,742	1,143	755	1,047
60% Exceedance	1,738	1,430	1,395	1,589	2,177	2,282	3,169	3,111	1,481	932	682	965
70% Exceedance	1,679	1,379	1,294	1,474	1,832	1,884	2,751	2,758	1,246	809	605	908
80% Exceedance	1,572	1,331	1,155	1,336	1,603	1,706	2,435	2,406	1,140	606	487	822
90% Exceedance	1,486	1,233	1,080	1,201	1,460	1,611	2,144	2,066	915	490	357	662
Full Simulation Period Average ^a	2,536	1,918	2,284	4,070	5,547	5,938	6,708	5,821	4,237	2,493	1,574	1,547
Wet Water Years (32%)	2,930	2,357	3,711	8,696	11,273	12,153	12,520	10,640	9,310	5,539	3,372	2,709
Above Normal Water Years (9%)	2,276	1,829	1,930	2,760	4,917	5,443	6,608	5,514	3,532	1,937	1,214	1,433
Below Normal Water Years (20%)	2,771	1,976	1,782	2,215	3,927	4,285	5,520	4,778	2,480	1,429	931	1,155
Dry Water Years (21%)	2,357	1,649	1,550	1,579	1,869	1,902	2,762	2,718	1,279	812	616	926
Critical Water Years (18%)	1,913	1,429	1,339	1,466	1,776	1,680	2,351	2,188	971	501	391	698

Table 4C-3-5-3c. San Joaquin River at Vernalis, Alternative 2 083024 minus Baseline Conditions 082624, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-4	-2	-3	-11	-2	-2	1	-6	-7	-2	-1	-2
20% Exceedance	-1	-2	-3	-13	-2	-1	-2	-2	0	-2	-2	-1
30% Exceedance	0	-2	-2	-1	-3	-1	-3	-5	-2	-1	-3	-6
40% Exceedance	-1	-1	-1	-2	-1	-3	-2	-3	0	-2	-3	-2
50% Exceedance	-4	-3	-3	0	-2	-3	-1	-6	-4	-8	-5	4
60% Exceedance	-9	-2	-3	-2	-2	-3	-4	-11	-9	-5	-7	-1
70% Exceedance	-5	8	-4	-2	0	-3	-3	-4	-2	1	-12	-1
80% Exceedance	-20	-1	-3	-2	-2	-7	-3	-9	-2	-12	-19	-5
90% Exceedance	20	-5	3	0	1	-2	-2	-4	-14	2	2	5
Full Simulation Period Average ^a	-1	-2	-2	-5	-3	-4	-3	-3	-4	-5	-4	-1
Wet Water Years (32%)	-4	-5	-4	-10	-4	-6	-3	-3	-4	-3	-2	-2
Above Normal Water Years (9%)	-4	-1	-2	-3	-3	-4	-3	-4	-3	-4	-6	-6
Below Normal Water Years (20%)	7	1	-1	-2	-2	-2	-3	-4	-5	-6	-5	-2
Dry Water Years (21%)	-2	-1	-2	-2	-2	-3	-4	-5	-4	-6	-6	4
Critical Water Years (18%)	-3	-2	-1	-1	-3	-2	-2	-1	-2	-5	-3	-4

^a Based on the 100-year simulation period.

* All scenarios are simulated at current climate condition and 0 cm sea level rise.

* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with water year - year type sorting.

Table 4C-3-5-4a. San Joaquin River at Vernalis, Baseline Conditions 082624, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	3,975	2,642	3,876	9,369	11,402	13,581	14,413	12,125	13,329	6,337	4,759	3,781
20% Exceedance	3,678	2,321	2,521	4,272	7,952	8,982	10,005	7,943	6,530	3,765	2,198	2,041
30% Exceedance	3,191	2,055	2,062	3,284	5,398	7,366	8,101	6,118	3,235	1,940	1,332	1,439
40% Exceedance	2,278	1,883	1,772	2,333	3,585	4,248	6,279	5,019	2,493	1,483	1,072	1,267
50% Exceedance	1,843	1,714	1,571	1,963	2,681	2,533	3,922	3,742	1,747	1,152	759	1,044
60% Exceedance	1,747	1,432	1,399	1,591	2,179	2,285	3,172	3,122	1,490	937	689	966
70% Exceedance	1,684	1,371	1,298	1,476	1,832	1,887	2,754	2,762	1,249	807	617	909
80% Exceedance	1,592	1,332	1,158	1,338	1,605	1,713	2,438	2,415	1,141	618	506	827
90% Exceedance	1,466	1,239	1,077	1,202	1,458	1,613	2,146	2,070	929	487	355	657
Full Simulation Period Average ^a	2,537	1,919	2,287	4,074	5,550	5,941	6,711	5,825	4,240	2,498	1,578	1,548
Wet Water Years (32%)	2,934	2,362	3,715	8,706	11,277	12,158	12,523	10,643	9,314	5,542	3,374	2,710
Above Normal Water Years (9%)	2,280	1,829	1,932	2,763	4,920	5,448	6,611	5,518	3,535	1,941	1,220	1,438
Below Normal Water Years (20%)	2,764	1,974	1,783	2,217	3,929	4,287	5,523	4,782	2,485	1,435	936	1,158
Dry Water Years (21%)	2,358	1,650	1,552	1,581	1,871	1,905	2,766	2,723	1,284	818	622	922
Critical Water Years (18%)	1,916	1,430	1,341	1,468	1,779	1,682	2,353	2,189	973	506	394	702

Table 4C-3-5-4b. San Joaquin River at Vernalis, Alternative 3 083024, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	3,971	2,639	3,873	9,358	11,399	13,578	14,500	12,119	13,325	6,335	4,759	3,779
20% Exceedance	3,675	2,319	2,519	4,263	7,950	8,982	10,002	7,940	6,529	3,762	2,196	2,039
30% Exceedance	3,191	2,052	2,060	3,282	5,395	7,364	8,098	6,113	3,232	1,939	1,328	1,434
40% Exceedance	2,276	1,882	1,770	2,330	3,584	4,244	6,277	5,014	2,493	1,480	1,069	1,264
50% Exceedance	1,839	1,711	1,567	1,963	2,678	2,530	3,920	3,736	1,742	1,143	756	1,034
60% Exceedance	1,736	1,430	1,395	1,589	2,177	2,282	3,169	3,115	1,482	931	682	965
70% Exceedance	1,673	1,376	1,295	1,474	1,831	1,884	2,751	2,758	1,246	808	602	907
80% Exceedance	1,572	1,328	1,154	1,336	1,603	1,708	2,435	2,406	1,140	606	487	822
90% Exceedance	1,486	1,233	1,079	1,201	1,460	1,611	2,144	2,067	915	490	357	658
Full Simulation Period Average ^a	2,534	1,916	2,283	4,069	5,547	5,937	6,709	5,821	4,236	2,493	1,574	1,546
Wet Water Years (32%)	2,924	2,353	3,709	8,695	11,272	12,152	12,522	10,640	9,310	5,539	3,372	2,708
Above Normal Water Years (9%)	2,274	1,827	1,929	2,760	4,917	5,443	6,608	5,513	3,531	1,936	1,214	1,433
Below Normal Water Years (20%)	2,770	1,975	1,781	2,215	3,927	4,284	5,520	4,777	2,480	1,429	930	1,151
Dry Water Years (21%)	2,356	1,648	1,550	1,579	1,869	1,902	2,763	2,718	1,280	812	617	926
Critical Water Years (18%)	1,913	1,429	1,340	1,466	1,776	1,680	2,351	2,188	969	500	392	699

Table 4C-3-5-4c. San Joaquin River at Vernalis, Alternative 3 083024 minus Baseline Conditions 082624, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-4	-2	-3	-11	-2	-3	86	-6	-4	-2	-1	-2
20% Exceedance	-3	-2	-3	-9	-2	-1	-2	-3	-1	-3	-2	-2
30% Exceedance	0	-3	-2	-2	-3	-2	-3	-5	-2	-1	-3	-5
40% Exceedance	-2	-2	-1	-2	-1	-4	-3	-4	-1	-3	-3	-3
50% Exceedance	-4	-3	-3	0	-3	-3	-2	-6	-5	-8	-4	-10
60% Exceedance	-11	-3	-4	-2	-2	-2	-3	-7	-8	-6	-7	-1
70% Exceedance	-11	5	-3	-2	-1	-4	-3	-4	-3	1	-15	-2
80% Exceedance	-20	-4	-4	-3	-2	-5	-3	-9	-2	-13	-20	-5
90% Exceedance	21	-6	2	-1	1	-2	-2	-4	-14	2	2	1
Full Simulation Period Average ^a	-3	-3	-3	-5	-3	-4	-2	-4	-4	-5	-4	-2
Wet Water Years (32%)	-9	-9	-6	-11	-4	-6	-1	-3	-4	-4	-3	-3
Above Normal Water Years (9%)	-5	-2	-3	-2	-3	-5	-3	-5	-4	-5	-6	-6
Below Normal Water Years (20%)	6	1	-1	-3	-2	-2	-3	-4	-5	-6	-5	-7
Dry Water Years (21%)	-2	-2	-2	-2	-2	-3	-3	-4	-4	-5	-5	4
Critical Water Years (18%)	-2	-1	-1	-1	-3	-2	-2	-1	-3	-6	-2	-3

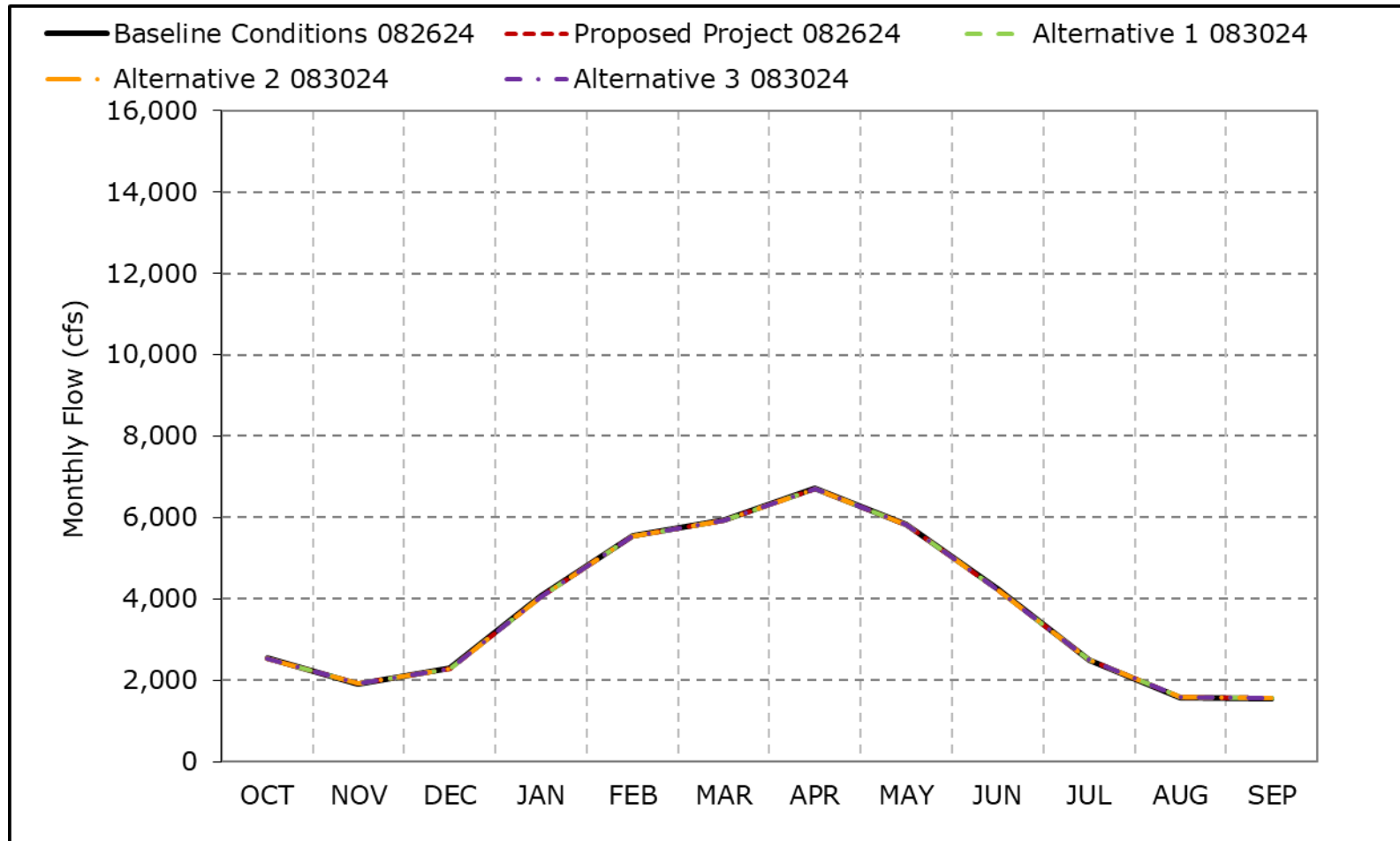
^a Based on the 100-year simulation period.

* All scenarios are simulated at current climate condition and 0 cm sea level rise.

* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with water year - year type sorting.

Figure 4C-3-5a. San Joaquin River at Vernalis, Long-Term Average Flow

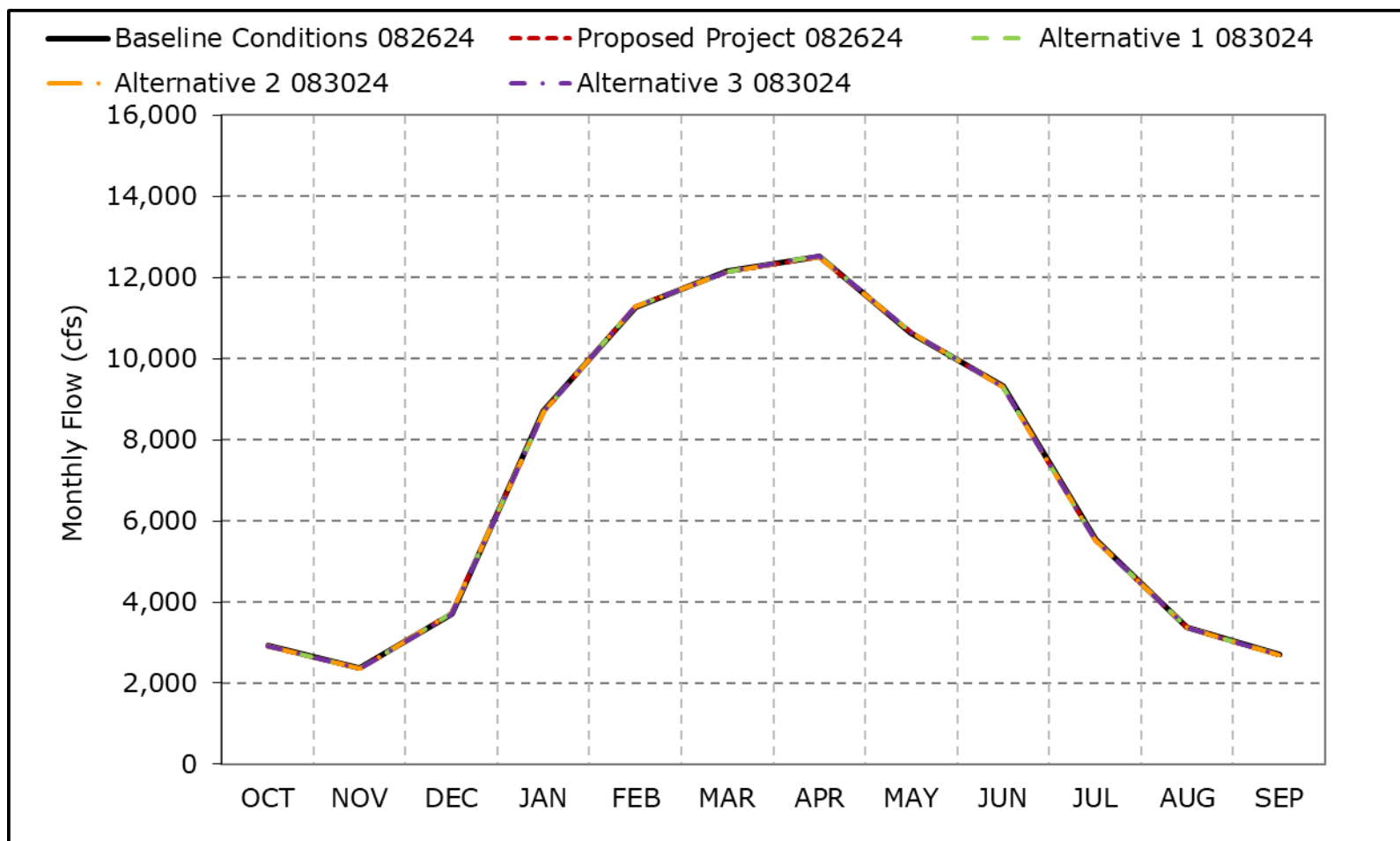


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with water year - year type sorting.

*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-3-5b. San Joaquin River at Vernalis, Wet Year Average Flow

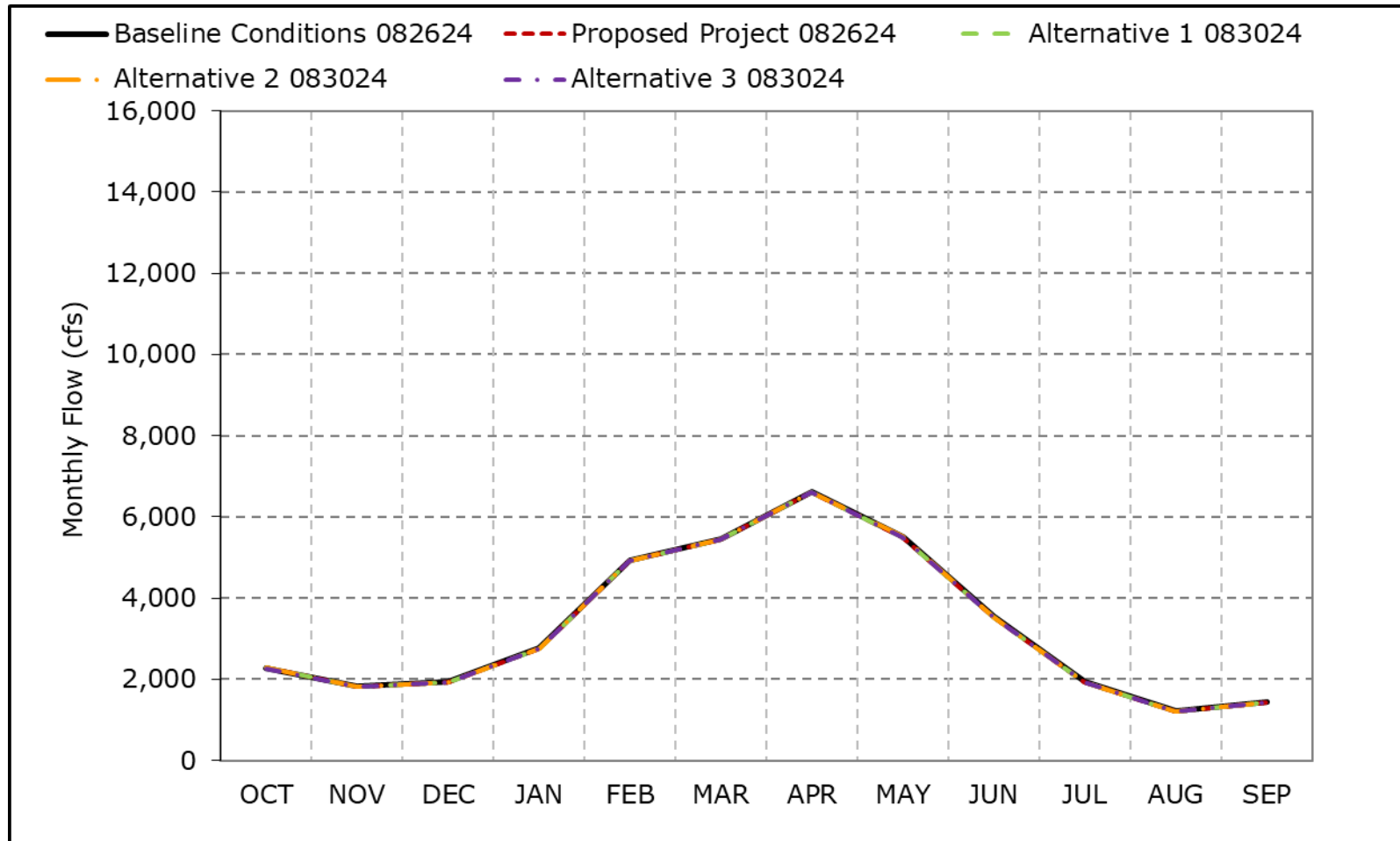


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with water year - year type sorting.

*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-3-5c. San Joaquin River at Vernalis, Above Normal Year Average Flow

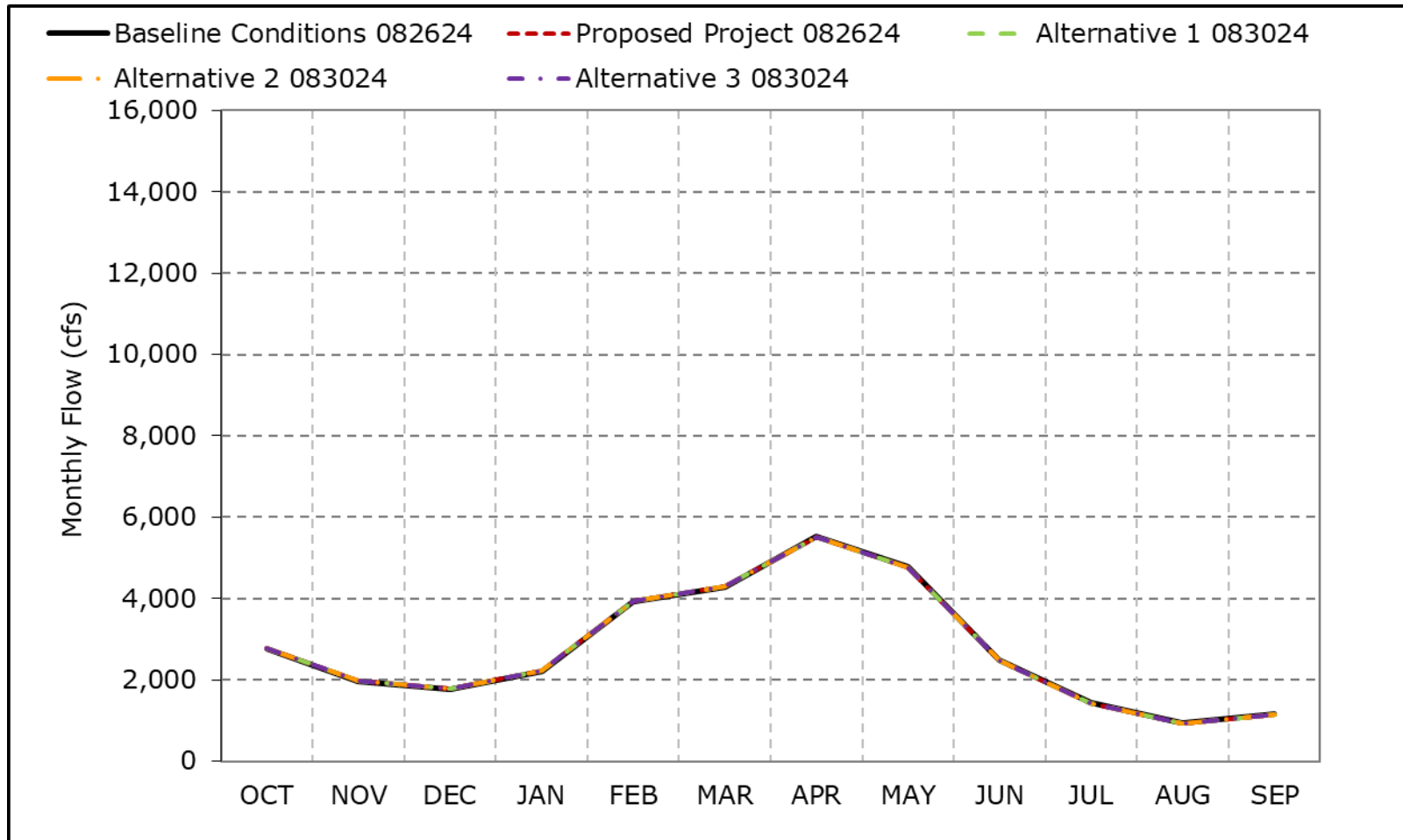


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with water year - year type sorting.

*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-3-5d. San Joaquin River at Vernalis, Below Normal Year Average Flow

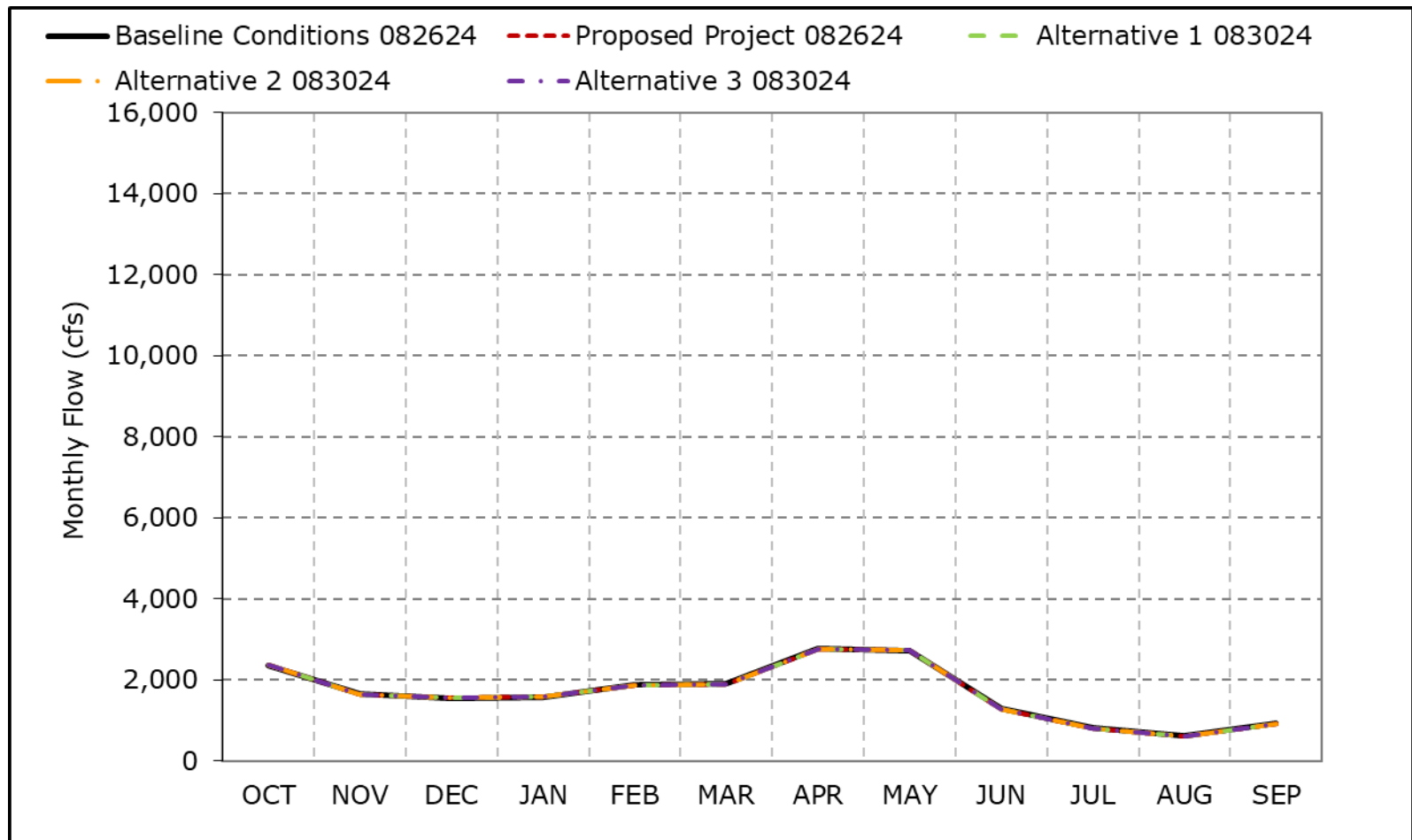


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with water year - year type sorting.

*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-3-5e. San Joaquin River at Vernalis, Dry Year Average Flow

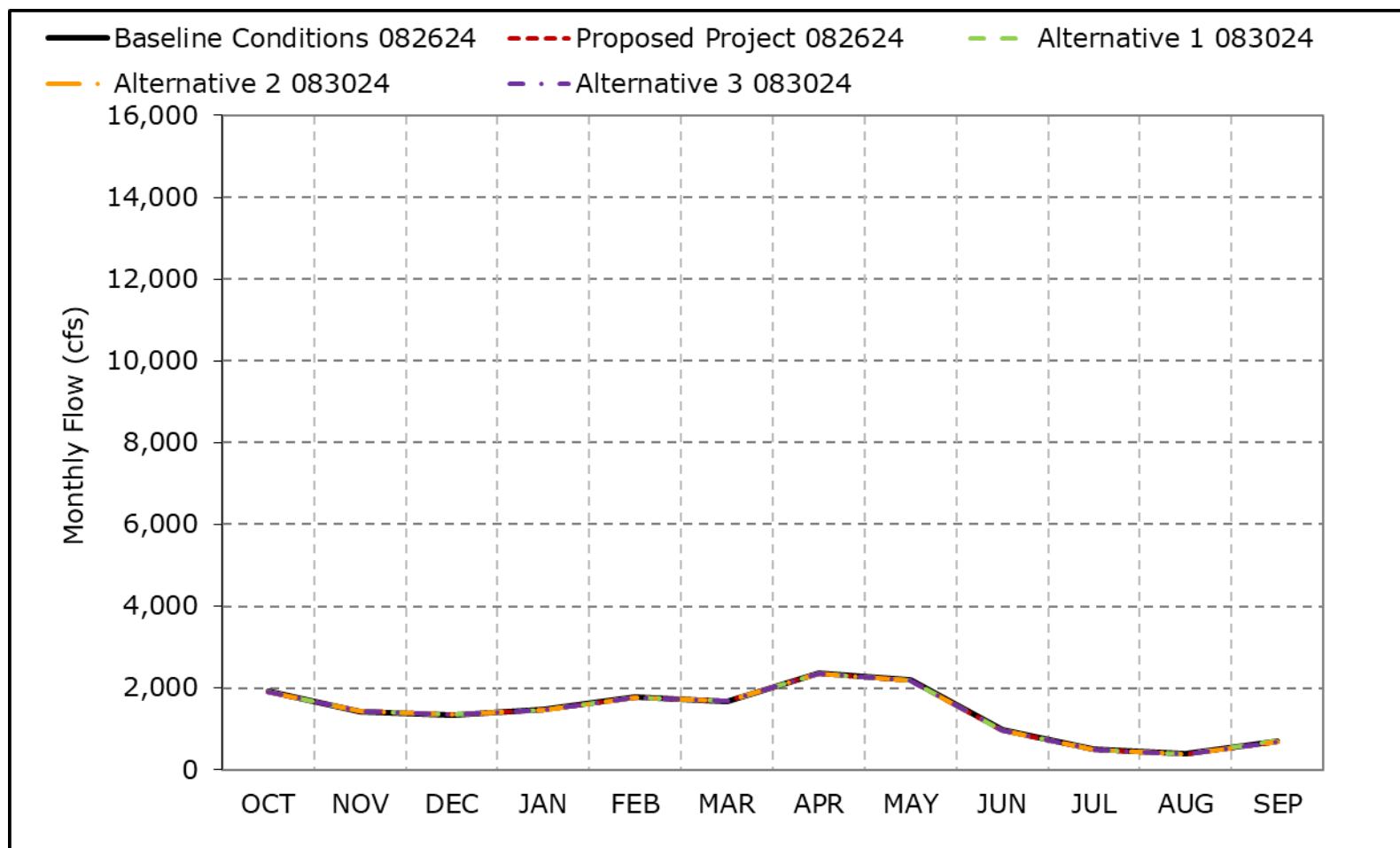


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with water year - year type sorting.

*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-3-5f. San Joaquin River at Vernalis, Critical Year Average Flow

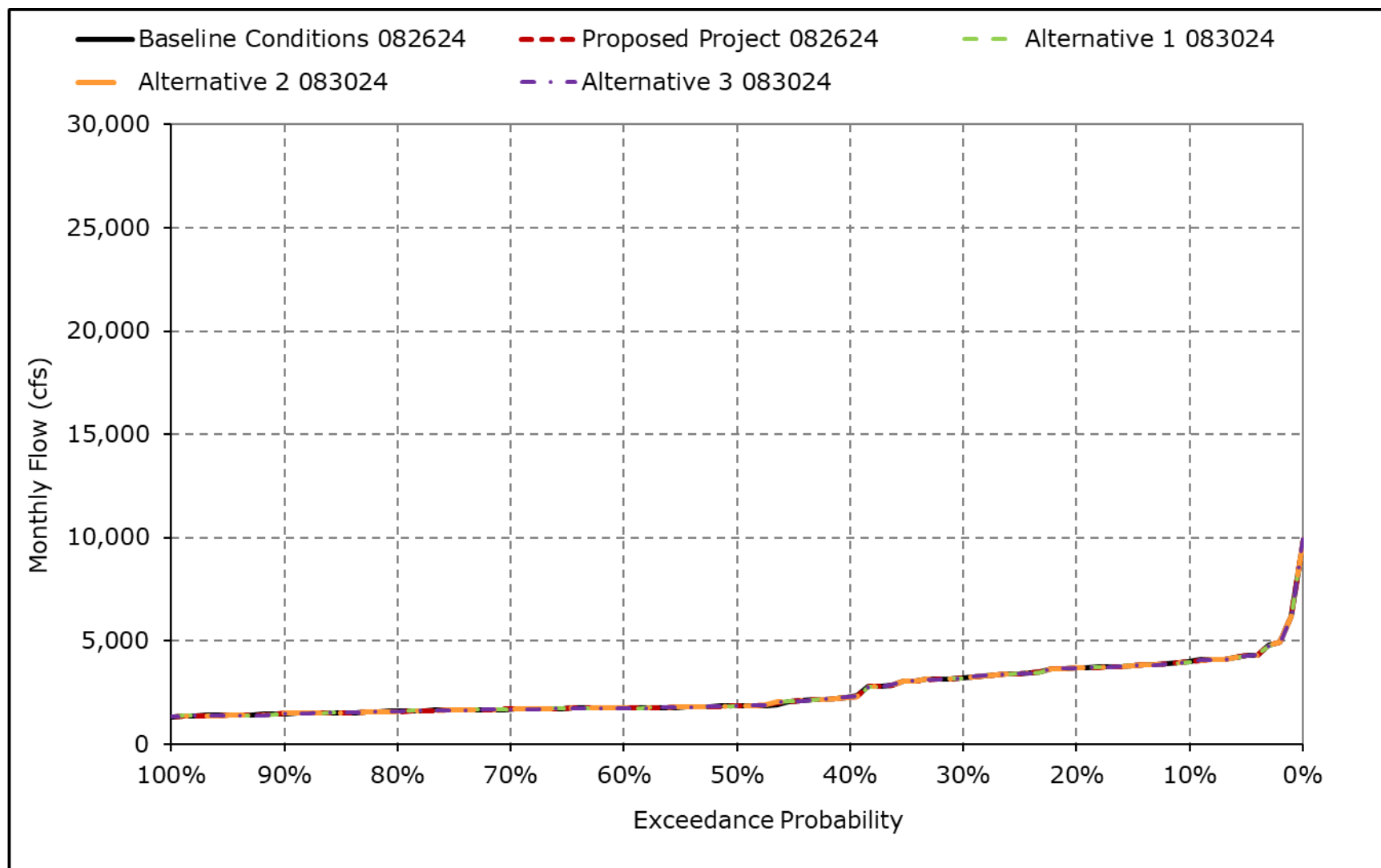


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with water year - year type sorting.

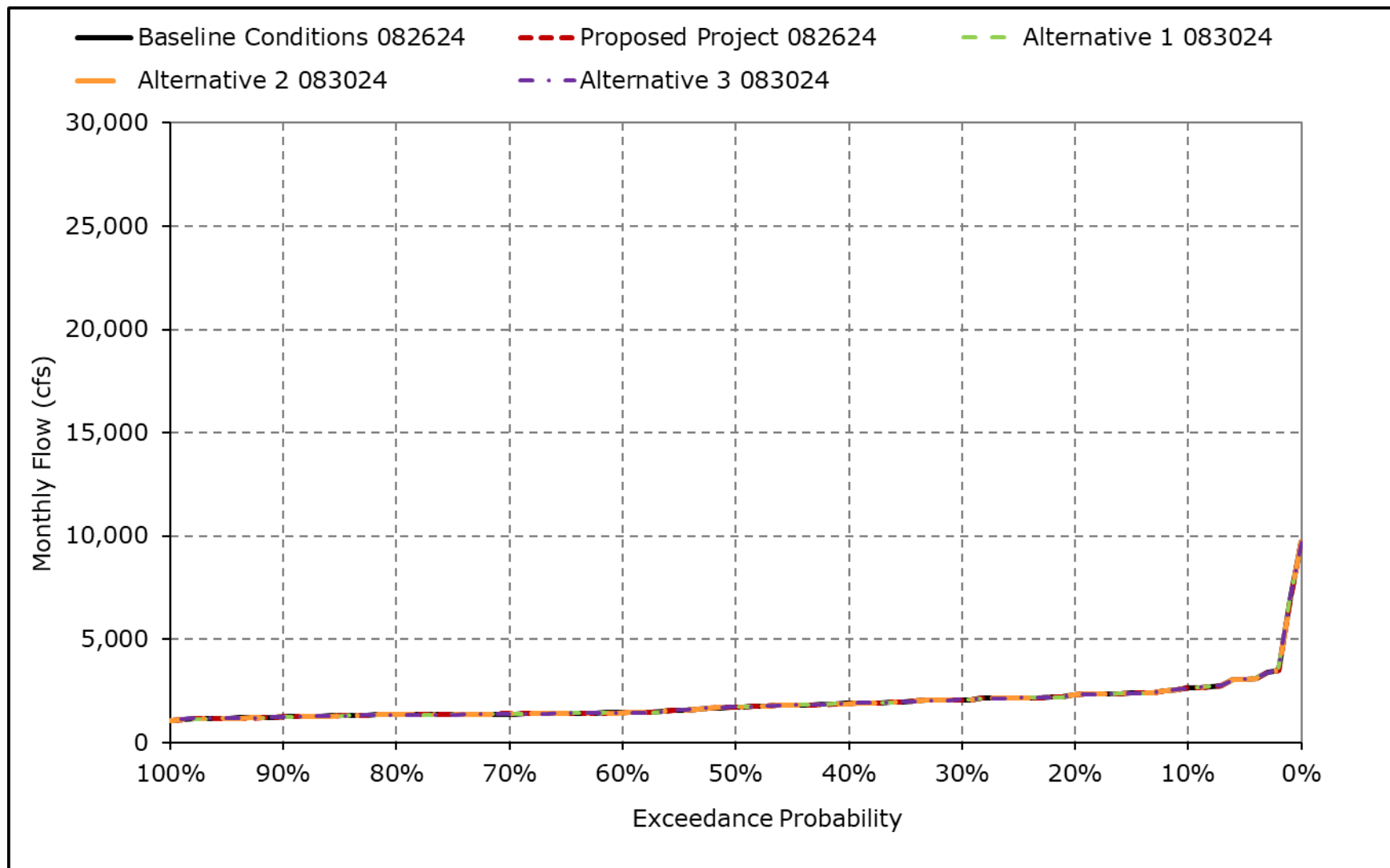
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-3-5g. San Joaquin River at Vernalis, October



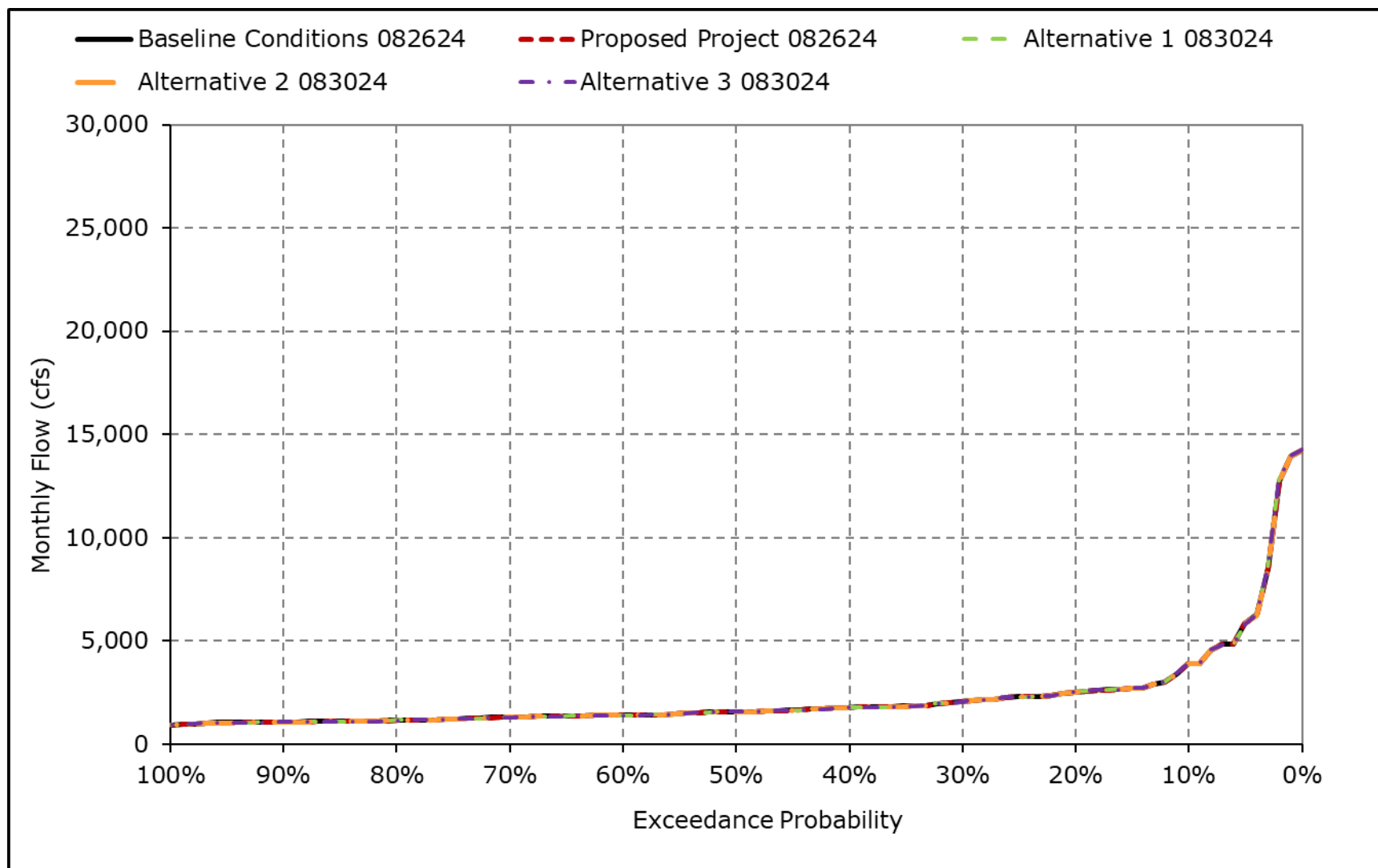
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-3-5h. San Joaquin River at Vernalis, November



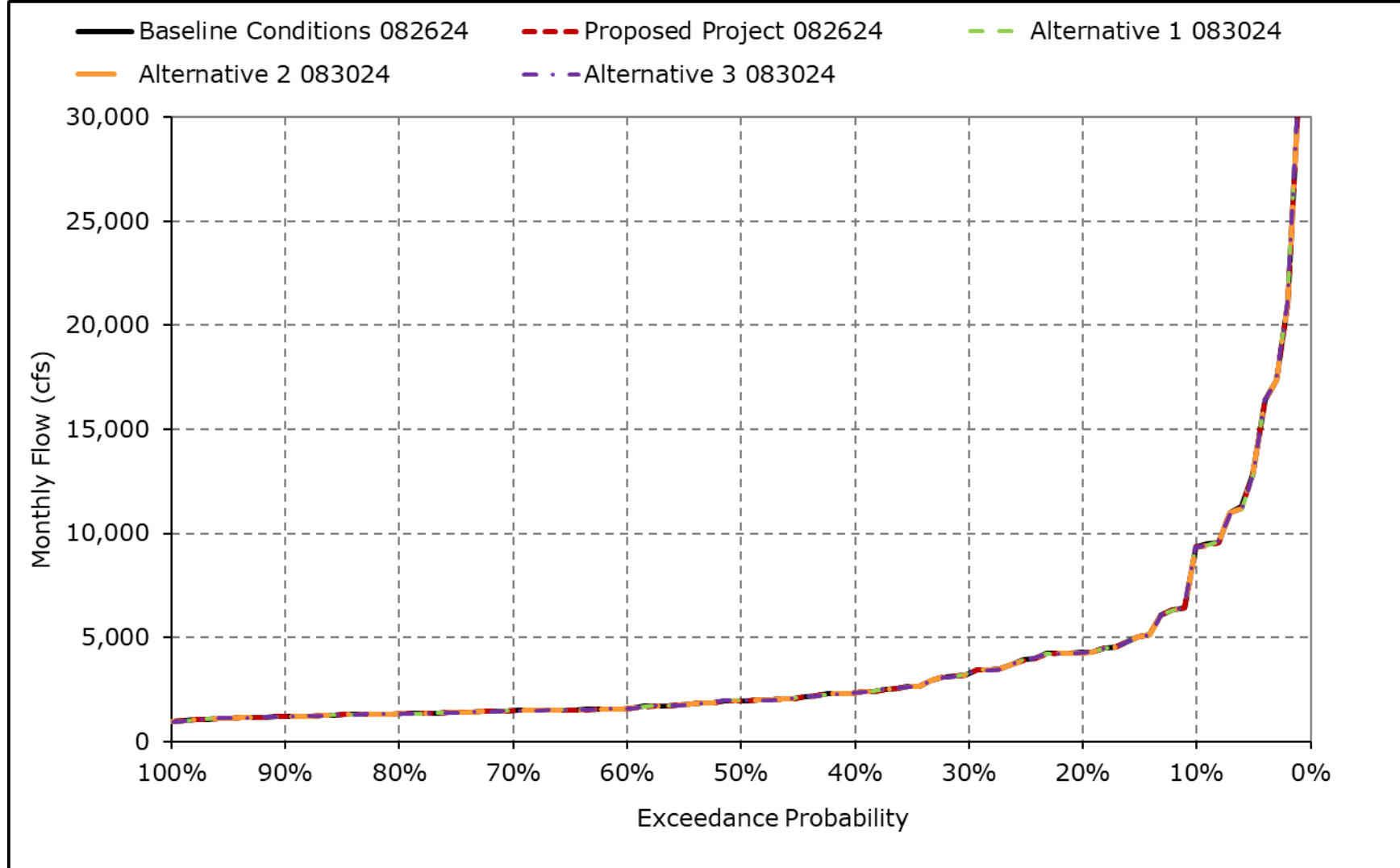
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-3-5i. San Joaquin River at Vernalis, December



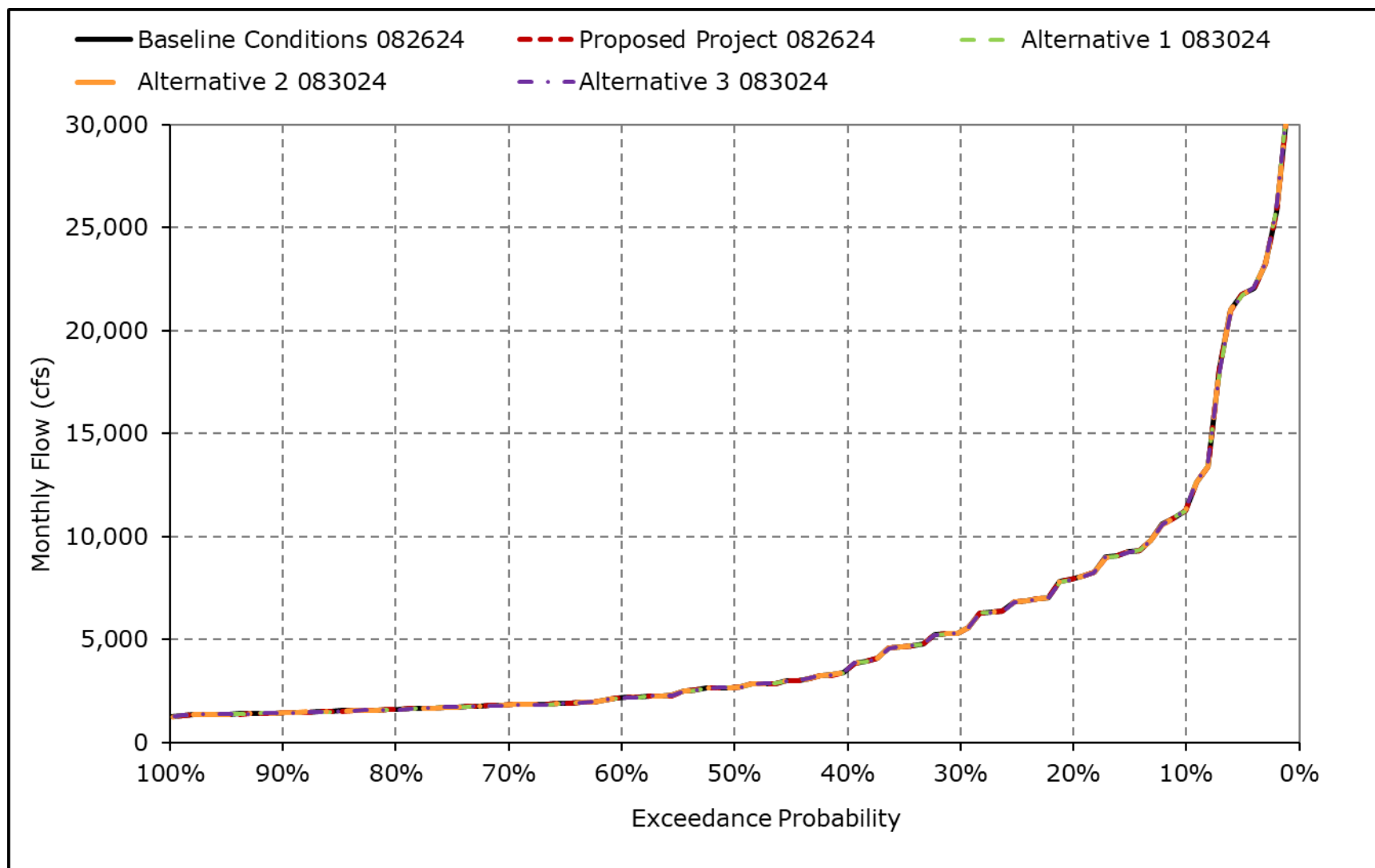
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-3-5j. San Joaquin River at Vernalis, January



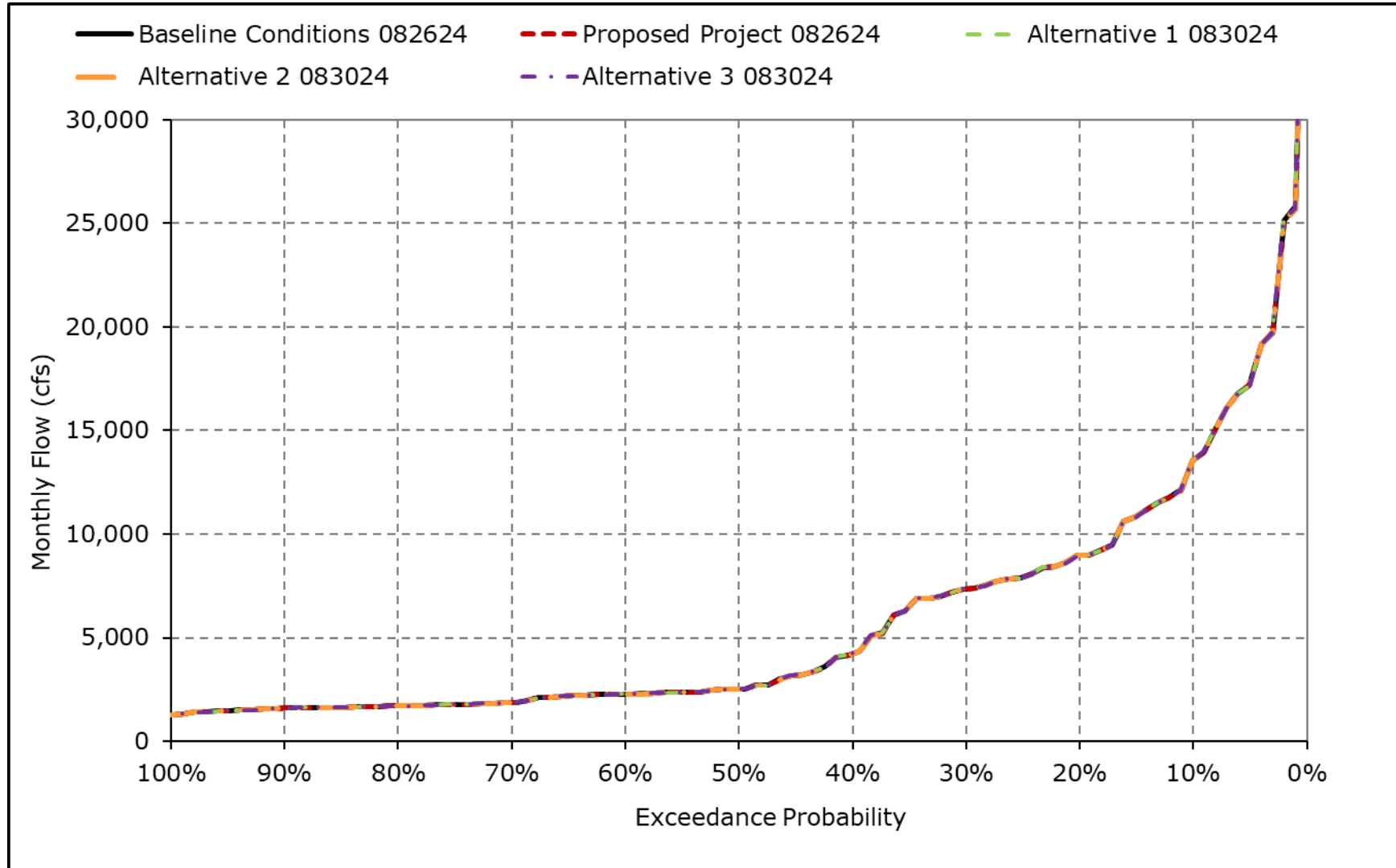
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-3-5k. San Joaquin River at Vernalis, February



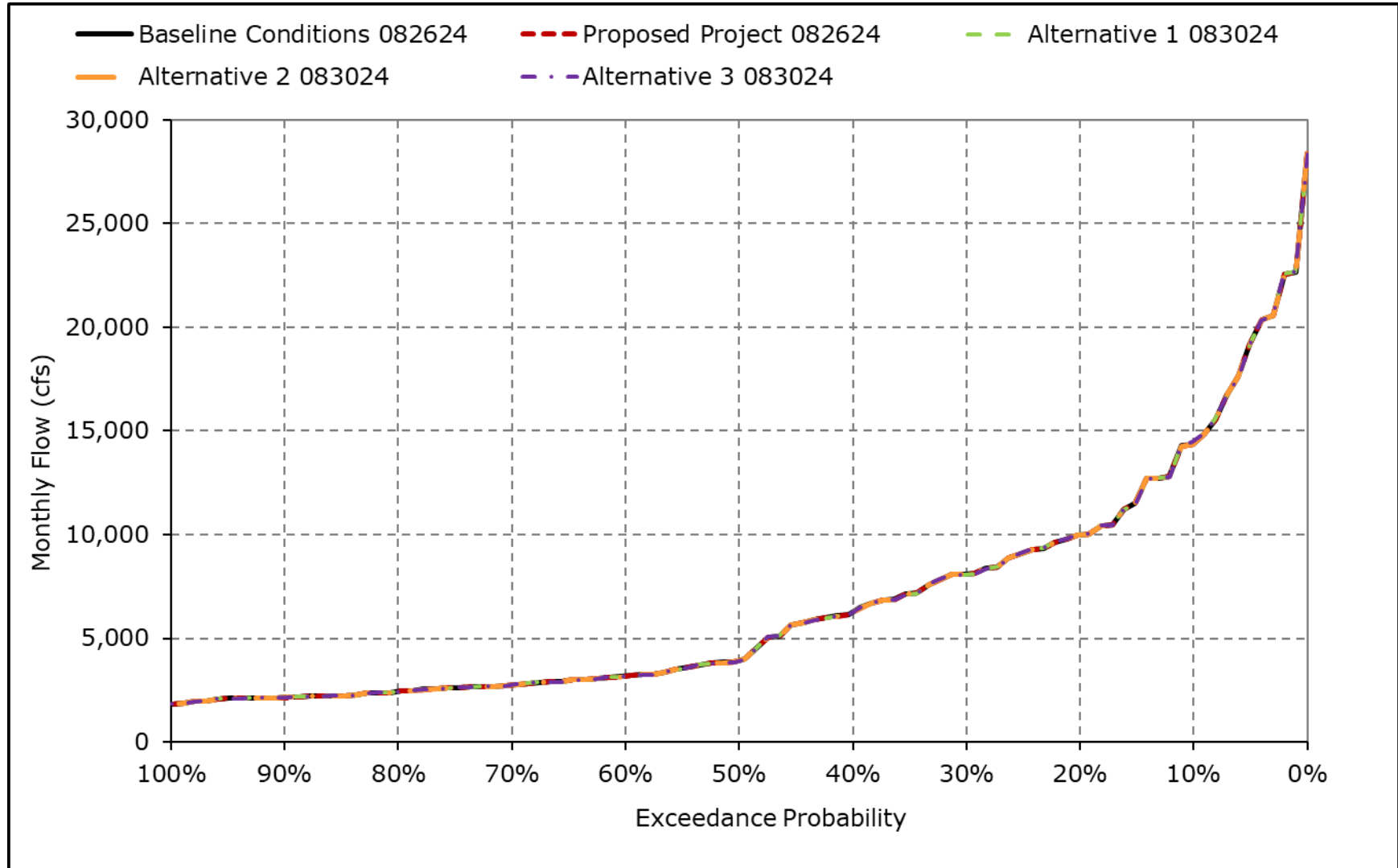
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-3-5I. San Joaquin River at Vernalis, March



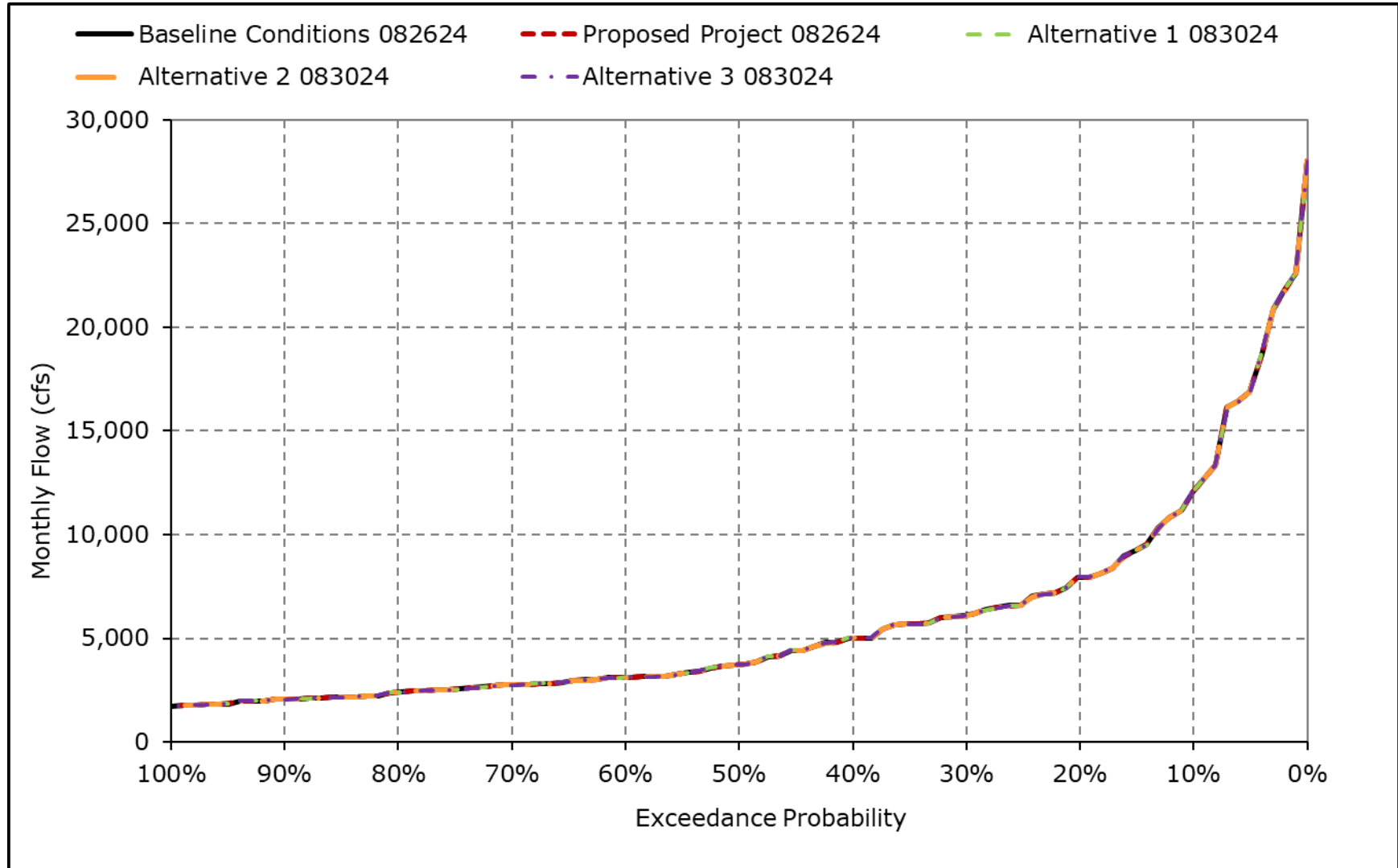
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-3-5m. San Joaquin River at Vernalis, April



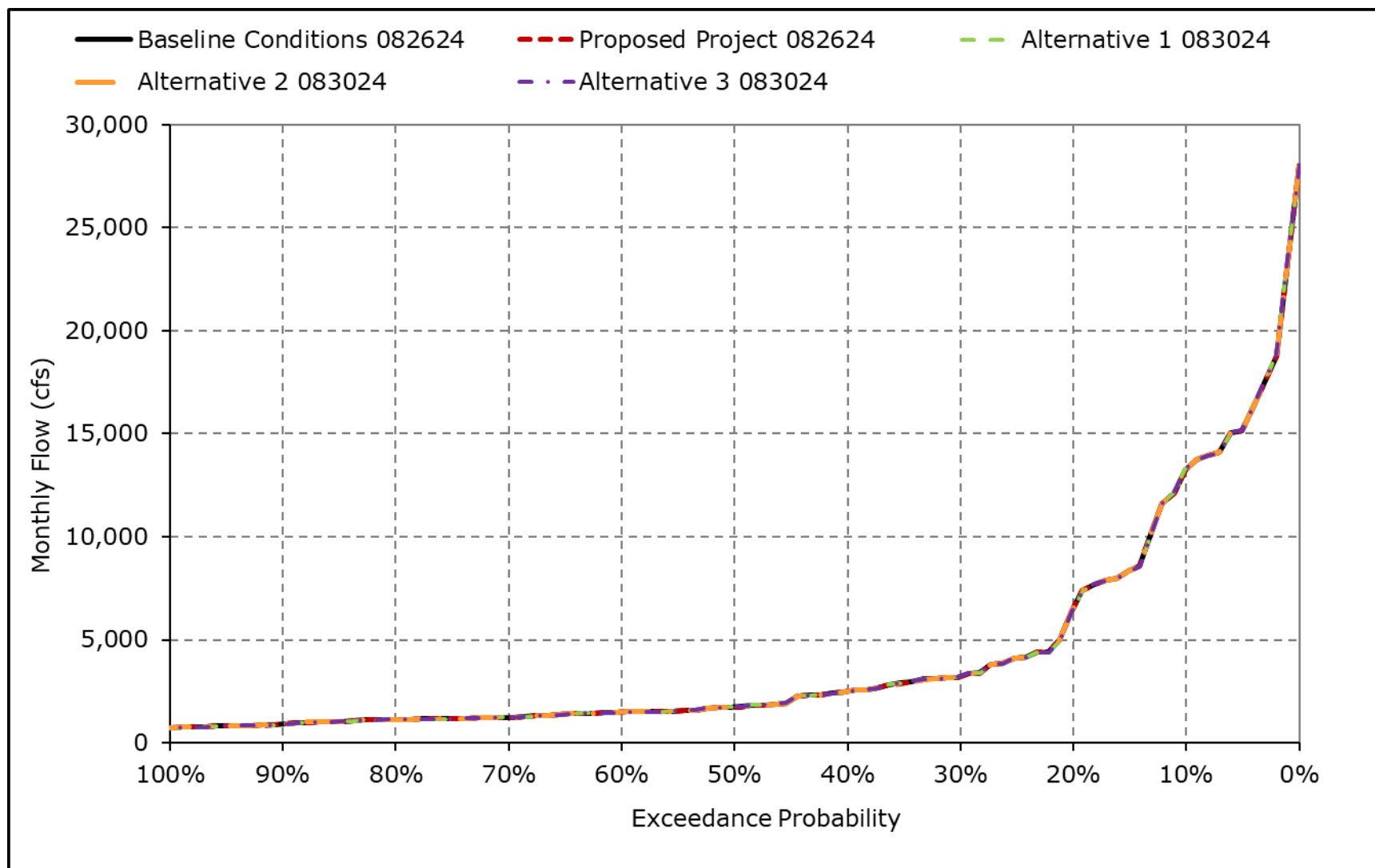
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-3-5n. San Joaquin River at Vernalis, May



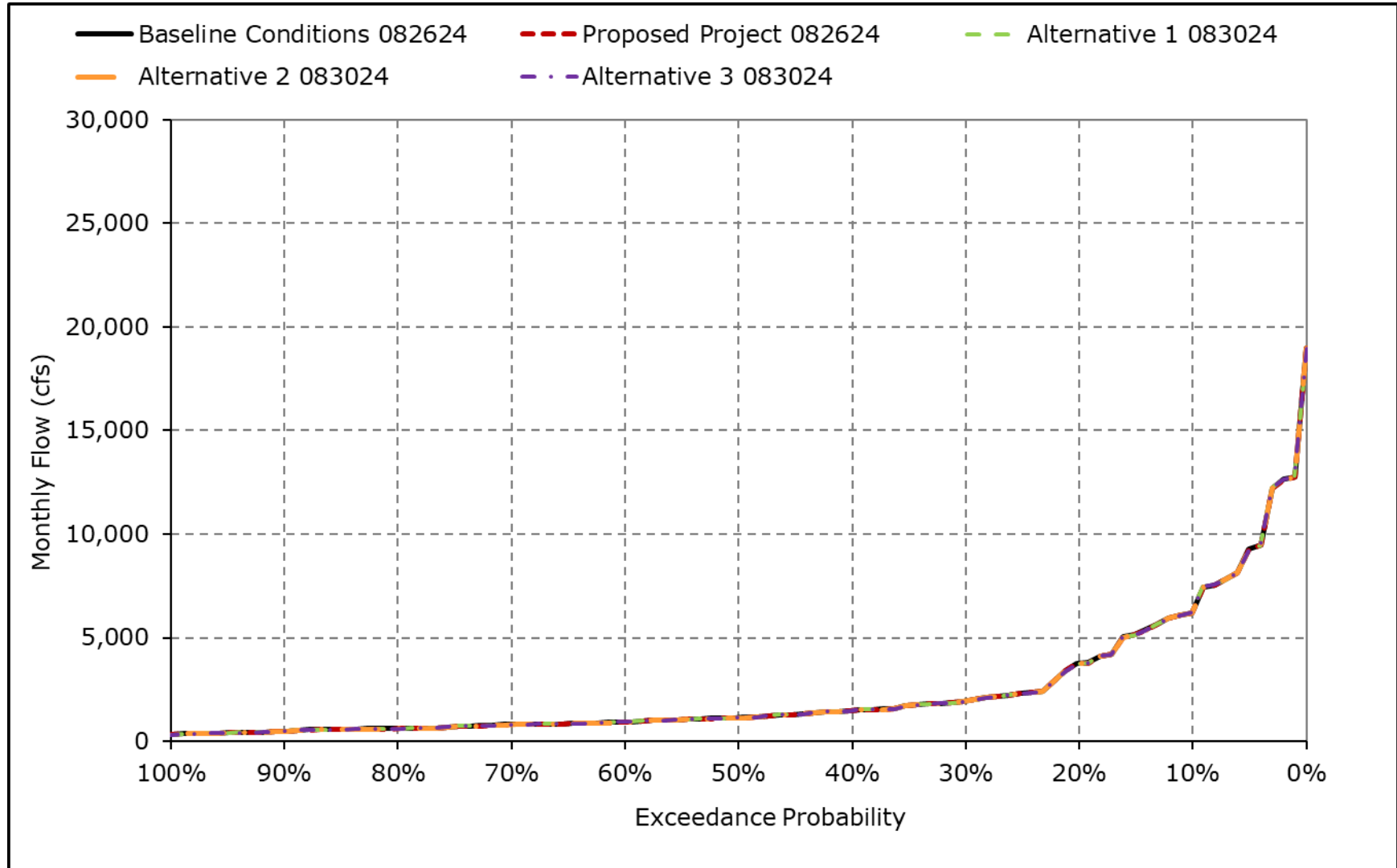
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-3-5o. San Joaquin River at Vernalis, June



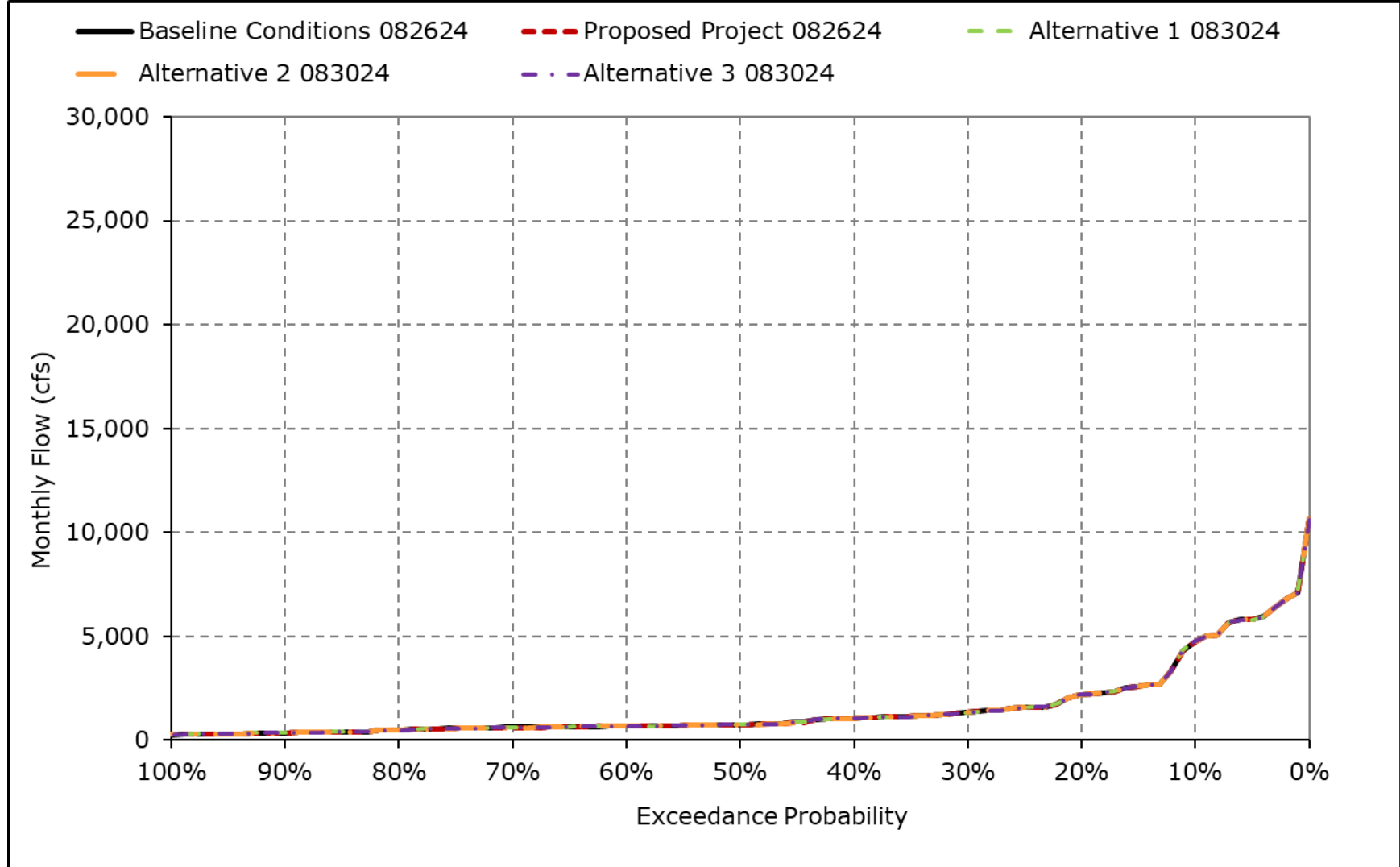
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-3-5p. San Joaquin River at Vernalis, July



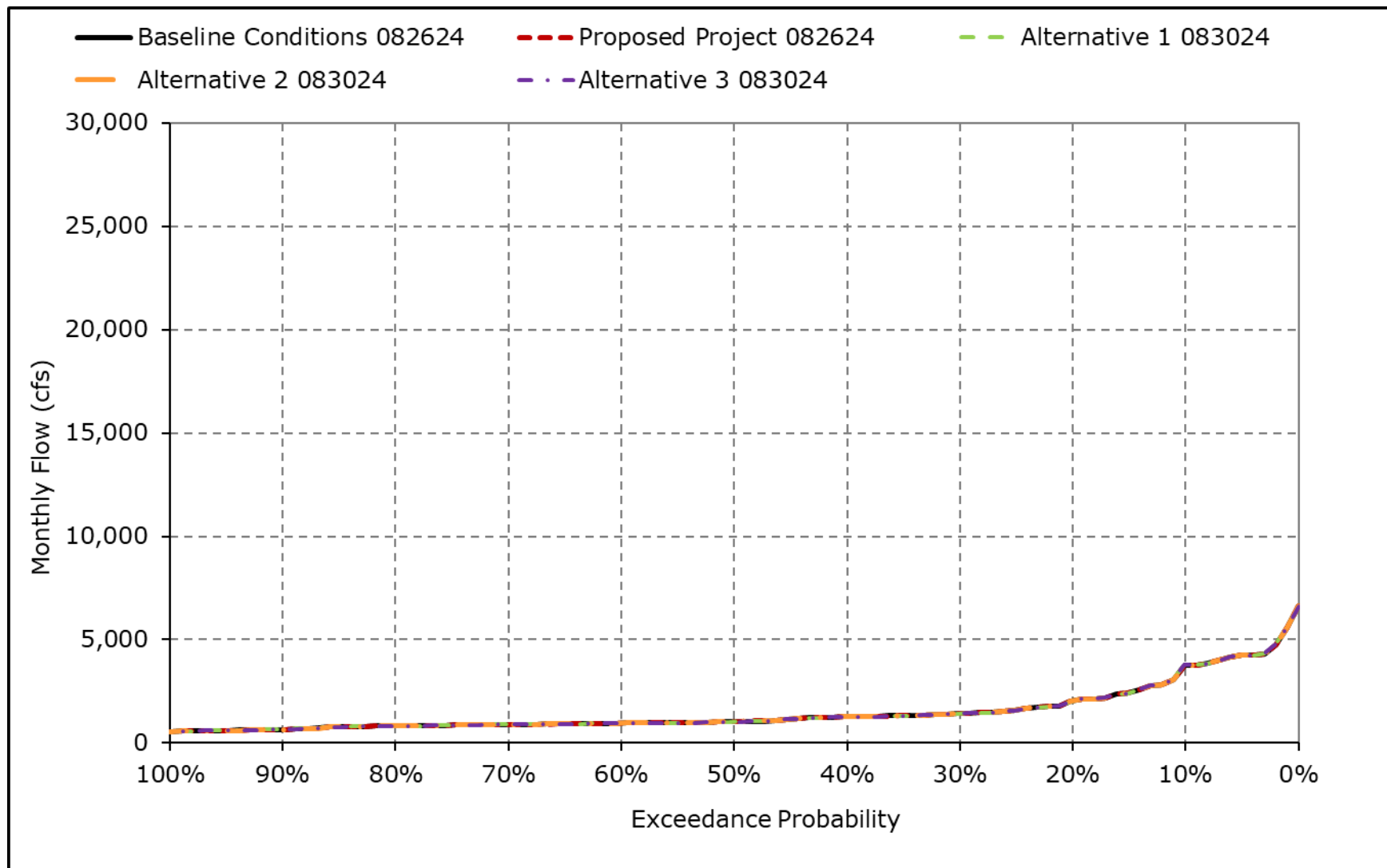
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-3-5q. San Joaquin River at Vernalis, August



*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-3-5r. San Joaquin River at Vernalis, September



*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Table 4C-3-6-1a. San Joaquin River at Vernalis (60-20-20), Baseline Conditions 082624, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	3,975	2,642	3,876	9,369	11,402	13,581	14,413	12,125	13,329	6,337	4,759	3,781
20% Exceedance	3,678	2,321	2,521	4,272	7,952	8,982	10,005	7,943	6,530	3,765	2,198	2,041
30% Exceedance	3,191	2,055	2,062	3,284	5,398	7,366	8,101	6,118	3,235	1,940	1,332	1,439
40% Exceedance	2,278	1,883	1,772	2,333	3,585	4,248	6,279	5,019	2,493	1,483	1,072	1,267
50% Exceedance	1,843	1,714	1,571	1,963	2,681	2,533	3,922	3,742	1,747	1,152	759	1,044
60% Exceedance	1,747	1,432	1,399	1,591	2,179	2,285	3,172	3,122	1,490	937	689	966
70% Exceedance	1,684	1,371	1,298	1,476	1,832	1,887	2,754	2,762	1,249	807	617	909
80% Exceedance	1,592	1,332	1,158	1,338	1,605	1,713	2,438	2,415	1,141	618	506	827
90% Exceedance	1,466	1,239	1,077	1,202	1,458	1,613	2,146	2,070	929	487	355	657
Full Simulation Period Average ^a	2,537	1,919	2,287	4,074	5,550	5,941	6,711	5,825	4,240	2,498	1,578	1,548
Wet Water Years (24%)	2,783	2,057	3,645	9,748	13,118	14,606	14,700	12,756	11,680	6,931	4,168	3,248
Above Normal Water Years (18%)	2,635	2,339	2,684	4,072	6,066	5,977	7,545	5,934	3,691	2,026	1,314	1,431
Below Normal Water Years (13%)	2,554	1,950	2,041	2,194	3,510	3,745	5,076	4,453	1,962	1,176	757	987
Dry Water Years (13%)	2,847	1,934	1,714	1,842	2,026	2,312	3,080	3,042	1,414	915	644	913
Critical Water Years (32%)	2,164	1,561	1,377	1,491	1,844	1,788	2,390	2,253	1,043	618	498	826

Table 4C-3-6-1b. San Joaquin River at Vernalis (60-20-20), Proposed Project 082624, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	3,971	2,639	3,873	9,358	11,399	13,578	14,414	12,119	13,322	6,335	4,758	3,779
20% Exceedance	3,675	2,319	2,519	4,244	7,950	8,982	10,002	7,940	6,529	3,762	2,196	2,040
30% Exceedance	3,191	2,052	2,060	3,282	5,395	7,364	8,098	6,112	3,232	1,939	1,328	1,434
40% Exceedance	2,276	1,882	1,770	2,330	3,584	4,244	6,277	5,015	2,493	1,480	1,070	1,264
50% Exceedance	1,839	1,711	1,567	1,963	2,678	2,530	3,920	3,736	1,742	1,143	756	1,047
60% Exceedance	1,737	1,430	1,395	1,589	2,177	2,282	3,169	3,115	1,482	931	682	964
70% Exceedance	1,681	1,380	1,295	1,474	1,831	1,884	2,751	2,758	1,245	808	604	902
80% Exceedance	1,572	1,331	1,154	1,336	1,603	1,708	2,435	2,406	1,140	605	486	822
90% Exceedance	1,473	1,229	1,079	1,201	1,460	1,611	2,144	2,068	912	490	357	658
Full Simulation Period Average ^a	2,535	1,917	2,284	4,069	5,546	5,937	6,708	5,821	4,236	2,493	1,574	1,546
Wet Water Years (24%)	2,777	2,051	3,640	9,734	13,113	14,598	14,696	12,751	11,676	6,928	4,165	3,245
Above Normal Water Years (18%)	2,643	2,341	2,682	4,066	6,061	5,974	7,543	5,931	3,687	2,023	1,311	1,428
Below Normal Water Years (13%)	2,552	1,949	2,039	2,192	3,508	3,743	5,073	4,449	1,957	1,171	750	982
Dry Water Years (13%)	2,847	1,935	1,713	1,839	2,023	2,309	3,076	3,037	1,408	909	635	913
Critical Water Years (32%)	2,160	1,559	1,375	1,490	1,842	1,786	2,387	2,250	1,040	613	495	825

Table 4C-3-6-1c. San Joaquin River at Vernalis (60-20-20), Proposed Project 082624 minus Baseline Conditions 082624, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-4	-2	-3	-11	-2	-3	1	-6	-7	-2	-1	-2
20% Exceedance	-3	-2	-3	-28	-2	-1	-2	-3	-1	-3	-2	-1
30% Exceedance	0	-3	-2	-2	-3	-2	-3	-6	-2	-1	-3	-5
40% Exceedance	-2	-2	-1	-3	-1	-4	-3	-4	-1	-3	-3	-3
50% Exceedance	-4	-3	-3	0	-3	-3	-2	-6	-5	-9	-4	3
60% Exceedance	-10	-2	-4	-2	-2	-2	-4	-7	-8	-6	-7	-2
70% Exceedance	-3	9	-3	-2	-1	-4	-3	-4	-4	1	-13	-8
80% Exceedance	-20	-1	-4	-3	-2	-5	-3	-9	-1	-13	-20	-6
90% Exceedance	8	-9	2	-1	1	-2	-2	-3	-17	2	2	1
Full Simulation Period Average ^a	-1	-2	-2	-6	-4	-4	-3	-4	-4	-5	-4	-2
Wet Water Years (24%)	-5	-6	-5	-13	-5	-8	-4	-5	-5	-4	-3	-2
Above Normal Water Years (18%)	7	1	-2	-6	-5	-3	-3	-3	-4	-4	-3	-3
Below Normal Water Years (13%)	-2	-1	-1	-2	-2	-3	-3	-4	-4	-6	-7	-6
Dry Water Years (13%)	1	1	-1	-3	-3	-3	-4	-5	-5	-7	-8	1
Critical Water Years (32%)	-4	-2	-2	-2	-3	-2	-3	-3	-4	-5	-3	-2

^a Based on the 100-year simulation period.

* All scenarios are simulated at current climate condition and 0 cm sea level rise.

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

* Water Year Types results are displayed with water year - year type sorting.

Table 4C-3-6-2a. San Joaquin River at Vernalis (60-20-20), Baseline Conditions 082624, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	3,975	2,642	3,876	9,369	11,402	13,581	14,413	12,125	13,329	6,337	4,759	3,781
20% Exceedance	3,678	2,321	2,521	4,272	7,952	8,982	10,005	7,943	6,530	3,765	2,198	2,041
30% Exceedance	3,191	2,055	2,062	3,284	5,398	7,366	8,101	6,118	3,235	1,940	1,332	1,439
40% Exceedance	2,278	1,883	1,772	2,333	3,585	4,248	6,279	5,019	2,493	1,483	1,072	1,267
50% Exceedance	1,843	1,714	1,571	1,963	2,681	2,533	3,922	3,742	1,747	1,152	759	1,044
60% Exceedance	1,747	1,432	1,399	1,591	2,179	2,285	3,172	3,122	1,490	937	689	966
70% Exceedance	1,684	1,371	1,298	1,476	1,832	1,887	2,754	2,762	1,249	807	617	909
80% Exceedance	1,592	1,332	1,158	1,338	1,605	1,713	2,438	2,415	1,141	618	506	827
90% Exceedance	1,466	1,239	1,077	1,202	1,458	1,613	2,146	2,070	929	487	355	657
Full Simulation Period Average ^a	2,537	1,919	2,287	4,074	5,550	5,941	6,711	5,825	4,240	2,498	1,578	1,548
Wet Water Years (24%)	2,783	2,057	3,645	9,748	13,118	14,606	14,700	12,756	11,680	6,931	4,168	3,248
Above Normal Water Years (18%)	2,635	2,339	2,684	4,072	6,066	5,977	7,545	5,934	3,691	2,026	1,314	1,431
Below Normal Water Years (13%)	2,554	1,950	2,041	2,194	3,510	3,745	5,076	4,453	1,962	1,176	757	987
Dry Water Years (13%)	2,847	1,934	1,714	1,842	2,026	2,312	3,080	3,042	1,414	915	644	913
Critical Water Years (32%)	2,164	1,561	1,377	1,491	1,844	1,788	2,390	2,253	1,043	618	498	826

Table 4C-3-6-2b. San Joaquin River at Vernalis (60-20-20), Alternative 1 083024, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	3,971	2,640	3,873	9,359	11,400	13,577	14,484	12,119	13,325	6,335	4,759	3,779
20% Exceedance	3,677	2,320	2,519	4,282	7,950	8,982	10,003	7,941	6,530	3,763	2,196	2,041
30% Exceedance	3,191	2,053	2,060	3,283	5,395	7,364	8,098	6,113	3,233	1,940	1,329	1,434
40% Exceedance	2,276	1,882	1,771	2,330	3,584	4,245	6,277	5,015	2,493	1,481	1,070	1,265
50% Exceedance	1,839	1,711	1,568	1,963	2,678	2,530	3,920	3,736	1,742	1,143	755	1,047
60% Exceedance	1,738	1,430	1,395	1,589	2,177	2,283	3,169	3,115	1,482	932	682	965
70% Exceedance	1,681	1,380	1,295	1,474	1,832	1,884	2,751	2,758	1,246	809	605	902
80% Exceedance	1,572	1,331	1,155	1,336	1,603	1,708	2,435	2,406	1,140	606	486	822
90% Exceedance	1,457	1,233	1,072	1,201	1,460	1,611	2,144	2,066	916	490	368	686
Full Simulation Period Average ^a	2,535	1,917	2,284	4,070	5,548	5,937	6,709	5,821	4,237	2,494	1,575	1,548
Wet Water Years (24%)	2,776	2,051	3,641	9,735	13,114	14,598	14,700	12,752	11,676	6,928	4,165	3,246
Above Normal Water Years (18%)	2,643	2,340	2,683	4,071	6,065	5,975	7,543	5,931	3,688	2,023	1,311	1,428
Below Normal Water Years (13%)	2,553	1,949	2,040	2,192	3,509	3,743	5,074	4,449	1,958	1,171	750	982
Dry Water Years (13%)	2,849	1,936	1,713	1,839	2,023	2,309	3,076	3,037	1,409	909	636	915
Critical Water Years (32%)	2,158	1,558	1,375	1,490	1,842	1,786	2,388	2,250	1,040	614	497	830

Table 4C-3-6-2c. San Joaquin River at Vernalis (60-20-20), Alternative 1 083024 minus Baseline Conditions 082624, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-4	-2	-3	-11	-2	-4	71	-6	-4	-2	-1	-2
20% Exceedance	-1	-2	-2	10	-2	-1	-2	-2	0	-2	-2	-1
30% Exceedance	0	-2	-2	-1	-3	-1	-3	-5	-2	0	-3	-5
40% Exceedance	-1	-1	-1	-2	-1	-3	-2	-4	0	-2	-3	-2
50% Exceedance	-4	-2	-3	0	-2	-3	-1	-6	-4	-8	-4	4
60% Exceedance	-9	-2	-3	-2	-2	-2	-3	-7	-8	-5	-7	-1
70% Exceedance	-3	9	-3	-2	0	-3	-3	-4	-2	1	-12	-8
80% Exceedance	-20	0	-3	-2	-1	-5	-3	-9	-2	-12	-20	-5
90% Exceedance	-8	-5	-4	0	1	-2	-2	-4	-13	2	13	29
Full Simulation Period Average ^a	-2	-2	-2	-4	-2	-4	-2	-3	-4	-4	-3	0
Wet Water Years (24%)	-6	-6	-4	-12	-4	-8	0	-3	-4	-3	-2	-2
Above Normal Water Years (18%)	8	1	-1	-1	-1	-2	-2	-3	-3	-3	-2	-2
Below Normal Water Years (13%)	-1	-1	-1	-1	-2	-3	-3	-3	-4	-5	-7	-6
Dry Water Years (13%)	2	2	-2	-3	-3	-3	-4	-5	-5	-6	-8	3
Critical Water Years (32%)	-6	-4	-2	-2	-2	-2	-2	-2	-3	-4	-1	4

^a Based on the 100-year simulation period.

* All scenarios are simulated at current climate condition and 0 cm sea level rise.

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

* Water Year Types results are displayed with water year - year type sorting.

Table 4C-3-6-3a. San Joaquin River at Vernalis (60-20-20), Baseline Conditions 082624, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	3,975	2,642	3,876	9,369	11,402	13,581	14,413	12,125	13,329	6,337	4,759	3,781
20% Exceedance	3,678	2,321	2,521	4,272	7,952	8,982	10,005	7,943	6,530	3,765	2,198	2,041
30% Exceedance	3,191	2,055	2,062	3,284	5,398	7,366	8,101	6,118	3,235	1,940	1,332	1,439
40% Exceedance	2,278	1,883	1,772	2,333	3,585	4,248	6,279	5,019	2,493	1,483	1,072	1,267
50% Exceedance	1,843	1,714	1,571	1,963	2,681	2,533	3,922	3,742	1,747	1,152	759	1,044
60% Exceedance	1,747	1,432	1,399	1,591	2,179	2,285	3,172	3,122	1,490	937	689	966
70% Exceedance	1,684	1,371	1,298	1,476	1,832	1,887	2,754	2,762	1,249	807	617	909
80% Exceedance	1,592	1,332	1,158	1,338	1,605	1,713	2,438	2,415	1,141	618	506	827
90% Exceedance	1,466	1,239	1,077	1,202	1,458	1,613	2,146	2,070	929	487	355	657
Full Simulation Period Average ^a	2,537	1,919	2,287	4,074	5,550	5,941	6,711	5,825	4,240	2,498	1,578	1,548
Wet Water Years (24%)	2,783	2,057	3,645	9,748	13,118	14,606	14,700	12,756	11,680	6,931	4,168	3,248
Above Normal Water Years (18%)	2,635	2,339	2,684	4,072	6,066	5,977	7,545	5,934	3,691	2,026	1,314	1,431
Below Normal Water Years (13%)	2,554	1,950	2,041	2,194	3,510	3,745	5,076	4,453	1,962	1,176	757	987
Dry Water Years (13%)	2,847	1,934	1,714	1,842	2,026	2,312	3,080	3,042	1,414	915	644	913
Critical Water Years (32%)	2,164	1,561	1,377	1,491	1,844	1,788	2,390	2,253	1,043	618	498	826

Table 4C-3-6-3b. San Joaquin River at Vernalis (60-20-20), Alternative 2 083024, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	3,971	2,640	3,873	9,359	11,400	13,579	14,414	12,119	13,323	6,335	4,758	3,779
20% Exceedance	3,677	2,320	2,519	4,260	7,950	8,982	10,003	7,941	6,530	3,763	2,196	2,041
30% Exceedance	3,191	2,053	2,060	3,283	5,395	7,364	8,098	6,112	3,233	1,939	1,329	1,433
40% Exceedance	2,276	1,882	1,771	2,330	3,584	4,245	6,277	5,015	2,493	1,481	1,070	1,265
50% Exceedance	1,839	1,711	1,567	1,963	2,678	2,530	3,920	3,736	1,742	1,143	755	1,047
60% Exceedance	1,738	1,430	1,395	1,589	2,177	2,282	3,169	3,111	1,481	932	682	965
70% Exceedance	1,679	1,379	1,294	1,474	1,832	1,884	2,751	2,758	1,246	809	605	908
80% Exceedance	1,572	1,331	1,155	1,336	1,603	1,706	2,435	2,406	1,140	606	487	822
90% Exceedance	1,486	1,233	1,080	1,201	1,460	1,611	2,144	2,066	915	490	357	662
Full Simulation Period Average ^a	2,536	1,918	2,284	4,070	5,547	5,938	6,708	5,821	4,237	2,493	1,574	1,547
Wet Water Years (24%)	2,778	2,052	3,641	9,735	13,113	14,599	14,696	12,752	11,676	6,928	4,165	3,246
Above Normal Water Years (18%)	2,642	2,340	2,681	4,069	6,064	5,975	7,543	5,931	3,688	2,023	1,311	1,429
Below Normal Water Years (13%)	2,552	1,949	2,039	2,192	3,509	3,743	5,074	4,449	1,957	1,171	751	985
Dry Water Years (13%)	2,848	1,935	1,713	1,840	2,023	2,309	3,076	3,036	1,408	908	634	915
Critical Water Years (32%)	2,160	1,559	1,375	1,490	1,842	1,786	2,387	2,250	1,041	613	495	824

Table 4C-3-6-3c. San Joaquin River at Vernalis (60-20-20), Alternative 2 083024 minus Baseline Conditions 082624, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-4	-2	-3	-11	-2	-2	1	-6	-7	-2	-1	-2
20% Exceedance	-1	-2	-3	-13	-2	-1	-2	-2	0	-2	-2	-1
30% Exceedance	0	-2	-2	-1	-3	-1	-3	-5	-2	-1	-3	-6
40% Exceedance	-1	-1	-1	-2	-1	-3	-2	-3	0	-2	-3	-2
50% Exceedance	-4	-3	-3	0	-2	-3	-1	-6	-4	-8	-5	4
60% Exceedance	-9	-2	-3	-2	-2	-3	-4	-11	-9	-5	-7	-1
70% Exceedance	-5	8	-4	-2	0	-3	-3	-4	-2	1	-12	-1
80% Exceedance	-20	-1	-3	-2	-2	-7	-3	-9	-2	-12	-19	-5
90% Exceedance	20	-5	3	0	1	-2	-2	-4	-14	2	2	5
Full Simulation Period Average ^a	-1	-2	-2	-5	-3	-4	-3	-3	-4	-5	-4	-1
Wet Water Years (24%)	-5	-5	-4	-13	-5	-7	-3	-4	-4	-3	-3	-2
Above Normal Water Years (18%)	7	1	-3	-3	-2	-2	-2	-3	-4	-3	-2	-2
Below Normal Water Years (13%)	-2	-1	-1	-2	-2	-3	-3	-3	-4	-6	-6	-3
Dry Water Years (13%)	2	1	-1	-3	-3	-4	-5	-6	-6	-7	-9	3
Critical Water Years (32%)	-4	-2	-2	-2	-2	-2	-2	-2	-3	-5	-3	-2

^a Based on the 100-year simulation period.

* All scenarios are simulated at current climate condition and 0 cm sea level rise.

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

* Water Year Types results are displayed with water year - year type sorting.

Table 4C-3-6-4a. San Joaquin River at Vernalis (60-20-20), Baseline Conditions 082624, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	3,975	2,642	3,876	9,369	11,402	13,581	14,413	12,125	13,329	6,337	4,759	3,781
20% Exceedance	3,678	2,321	2,521	4,272	7,952	8,982	10,005	7,943	6,530	3,765	2,198	2,041
30% Exceedance	3,191	2,055	2,062	3,284	5,398	7,366	8,101	6,118	3,235	1,940	1,332	1,439
40% Exceedance	2,278	1,883	1,772	2,333	3,585	4,248	6,279	5,019	2,493	1,483	1,072	1,267
50% Exceedance	1,843	1,714	1,571	1,963	2,681	2,533	3,922	3,742	1,747	1,152	759	1,044
60% Exceedance	1,747	1,432	1,399	1,591	2,179	2,285	3,172	3,122	1,490	937	689	966
70% Exceedance	1,684	1,371	1,298	1,476	1,832	1,887	2,754	2,762	1,249	807	617	909
80% Exceedance	1,592	1,332	1,158	1,338	1,605	1,713	2,438	2,415	1,141	618	506	827
90% Exceedance	1,466	1,239	1,077	1,202	1,458	1,613	2,146	2,070	929	487	355	657
Full Simulation Period Average ^a	2,537	1,919	2,287	4,074	5,550	5,941	6,711	5,825	4,240	2,498	1,578	1,548
Wet Water Years (24%)	2,783	2,057	3,645	9,748	13,118	14,606	14,700	12,756	11,680	6,931	4,168	3,248
Above Normal Water Years (18%)	2,635	2,339	2,684	4,072	6,066	5,977	7,545	5,934	3,691	2,026	1,314	1,431
Below Normal Water Years (13%)	2,554	1,950	2,041	2,194	3,510	3,745	5,076	4,453	1,962	1,176	757	987
Dry Water Years (13%)	2,847	1,934	1,714	1,842	2,026	2,312	3,080	3,042	1,414	915	644	913
Critical Water Years (32%)	2,164	1,561	1,377	1,491	1,844	1,788	2,390	2,253	1,043	618	498	826

Table 4C-3-6-4b. San Joaquin River at Vernalis (60-20-20), Alternative 3 083024, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	3,971	2,639	3,873	9,358	11,399	13,578	14,500	12,119	13,325	6,335	4,759	3,779
20% Exceedance	3,675	2,319	2,519	4,263	7,950	8,982	10,002	7,940	6,529	3,762	2,196	2,039
30% Exceedance	3,191	2,052	2,060	3,282	5,395	7,364	8,098	6,113	3,232	1,939	1,328	1,434
40% Exceedance	2,276	1,882	1,770	2,330	3,584	4,244	6,277	5,014	2,493	1,480	1,069	1,264
50% Exceedance	1,839	1,711	1,567	1,963	2,678	2,530	3,920	3,736	1,742	1,143	756	1,034
60% Exceedance	1,736	1,430	1,395	1,589	2,177	2,282	3,169	3,115	1,482	931	682	965
70% Exceedance	1,673	1,376	1,295	1,474	1,831	1,884	2,751	2,758	1,246	808	602	907
80% Exceedance	1,572	1,328	1,154	1,336	1,603	1,708	2,435	2,406	1,140	606	487	822
90% Exceedance	1,486	1,233	1,079	1,201	1,460	1,611	2,144	2,067	915	490	357	658
Full Simulation Period Average ^a	2,534	1,916	2,283	4,069	5,547	5,937	6,709	5,821	4,236	2,493	1,574	1,546
Wet Water Years (24%)	2,771	2,047	3,638	9,734	13,113	14,598	14,700	12,752	11,676	6,928	4,165	3,245
Above Normal Water Years (18%)	2,640	2,339	2,680	4,070	6,064	5,975	7,543	5,931	3,687	2,023	1,311	1,428
Below Normal Water Years (13%)	2,553	1,949	2,039	2,192	3,508	3,743	5,073	4,449	1,957	1,171	750	984
Dry Water Years (13%)	2,848	1,935	1,713	1,839	2,023	2,309	3,076	3,037	1,409	909	635	909
Critical Water Years (32%)	2,160	1,559	1,375	1,490	1,842	1,786	2,387	2,250	1,040	613	495	825

Table 4C-3-6-4c. San Joaquin River at Vernalis (60-20-20), Alternative 3 083024 minus Baseline Conditions 082624, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-4	-2	-3	-11	-2	-3	86	-6	-4	-2	-1	-2
20% Exceedance	-3	-2	-3	-9	-2	-1	-2	-3	-1	-3	-2	-2
30% Exceedance	0	-3	-2	-2	-3	-2	-3	-5	-2	-1	-3	-5
40% Exceedance	-2	-2	-1	-2	-1	-4	-3	-4	-1	-3	-3	-3
50% Exceedance	-4	-3	-3	0	-3	-3	-2	-6	-5	-8	-4	-10
60% Exceedance	-11	-3	-4	-2	-2	-2	-3	-7	-8	-6	-7	-1
70% Exceedance	-11	5	-3	-2	-1	-4	-3	-4	-3	1	-15	-2
80% Exceedance	-20	-4	-4	-3	-2	-5	-3	-9	-2	-13	-20	-5
90% Exceedance	21	-6	2	-1	1	-2	-2	-4	-14	2	2	1
Full Simulation Period Average ^a	-3	-3	-3	-5	-3	-4	-2	-4	-4	-5	-4	-2
Wet Water Years (24%)	-12	-11	-7	-14	-5	-8	0	-4	-5	-4	-3	-2
Above Normal Water Years (18%)	5	0	-3	-3	-2	-2	-2	-3	-4	-4	-3	-3
Below Normal Water Years (13%)	-1	-1	-1	-2	-2	-3	-3	-4	-4	-6	-7	-3
Dry Water Years (13%)	2	1	-1	-3	-3	-3	-4	-5	-5	-7	-8	-3
Critical Water Years (32%)	-4	-2	-2	-2	-2	-2	-3	-3	-3	-5	-3	-1

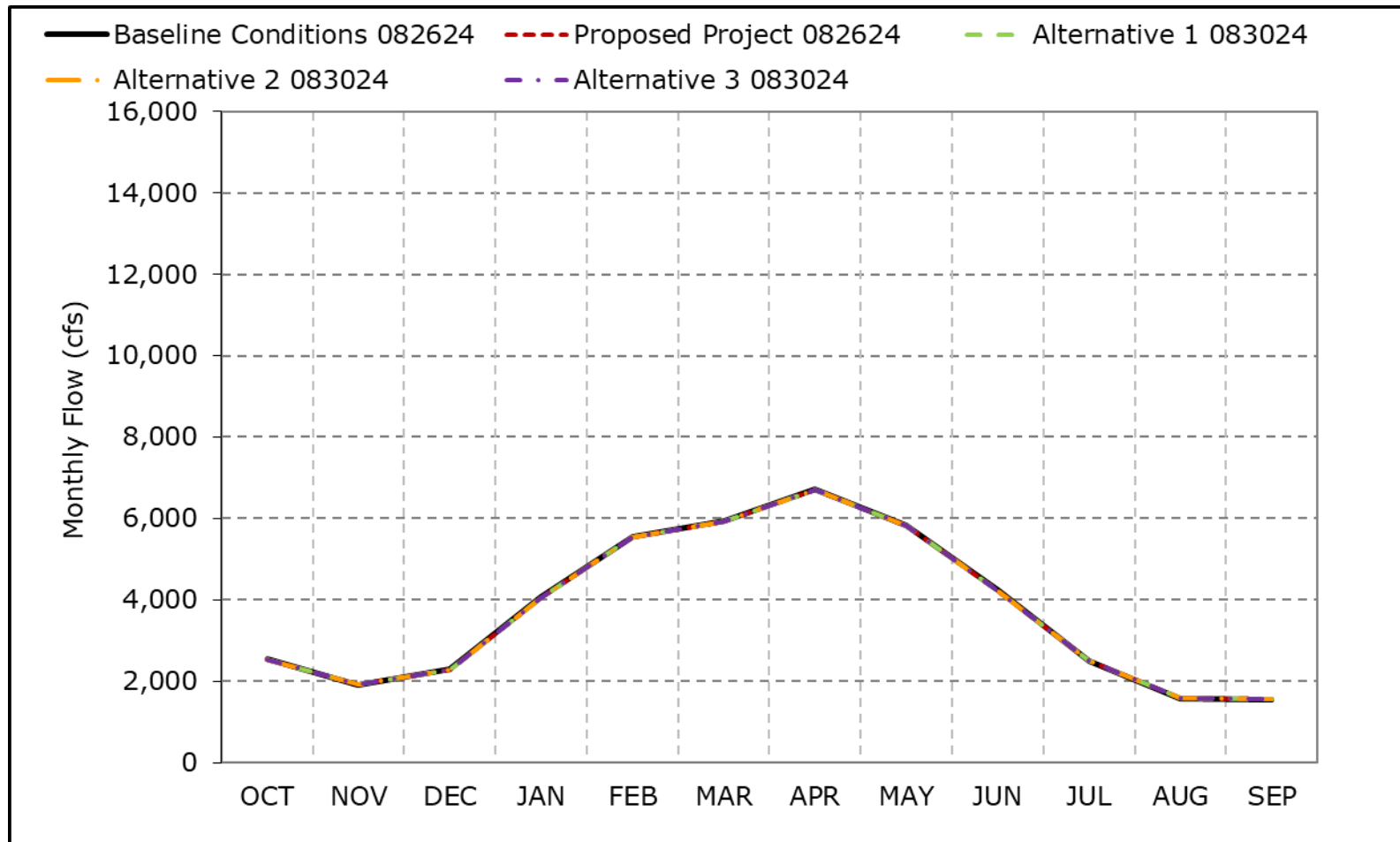
^a Based on the 100-year simulation period.

* All scenarios are simulated at current climate condition and 0 cm sea level rise.

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

* Water Year Types results are displayed with water year - year type sorting.

Figure 4C-3-6a. San Joaquin River at Vernalis (60-20-20), Long-Term Average Flow

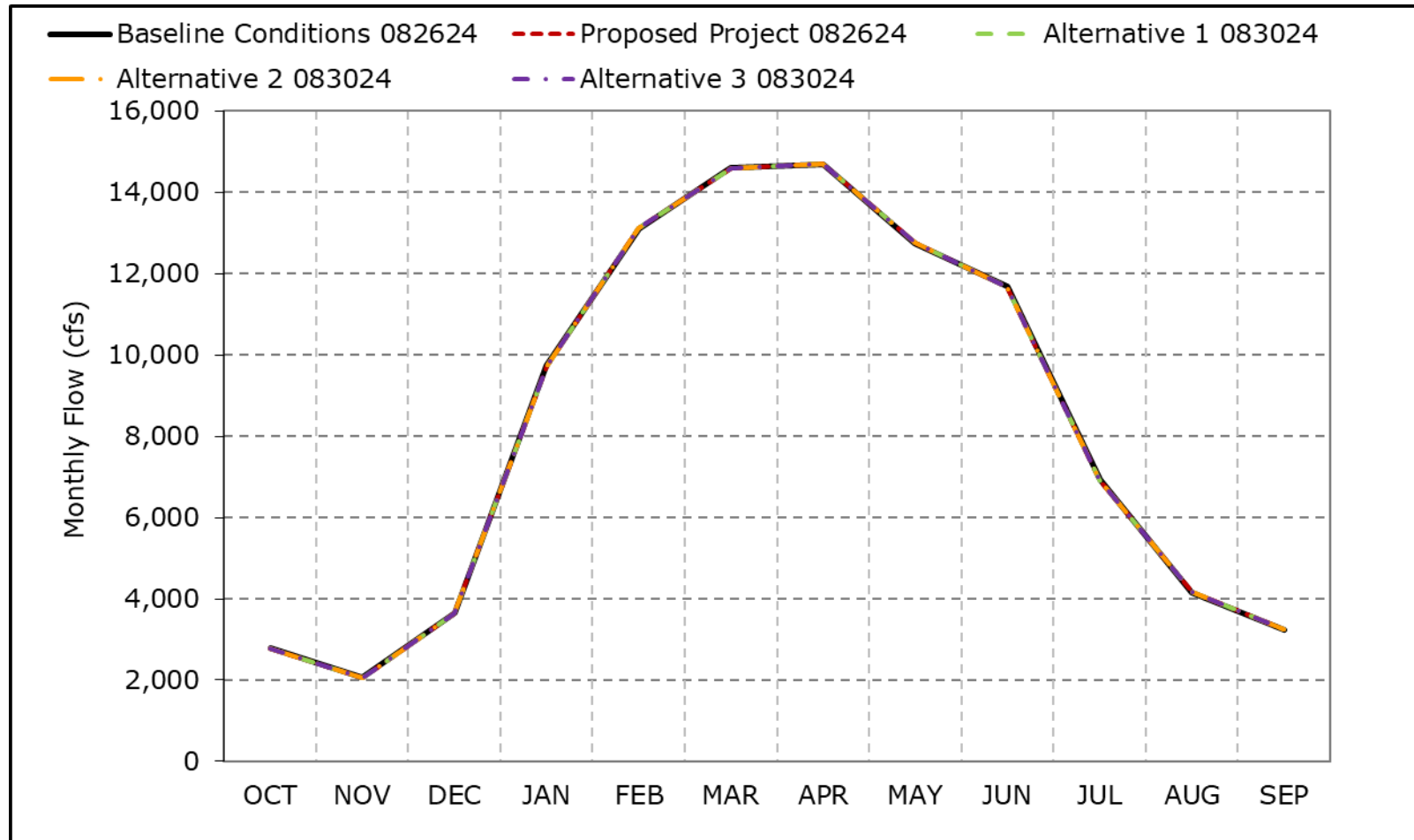


*As defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with water year - year type sorting.

*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-3-6b. San Joaquin River at Vernalis (60-20-20), Wet Year Average Flow

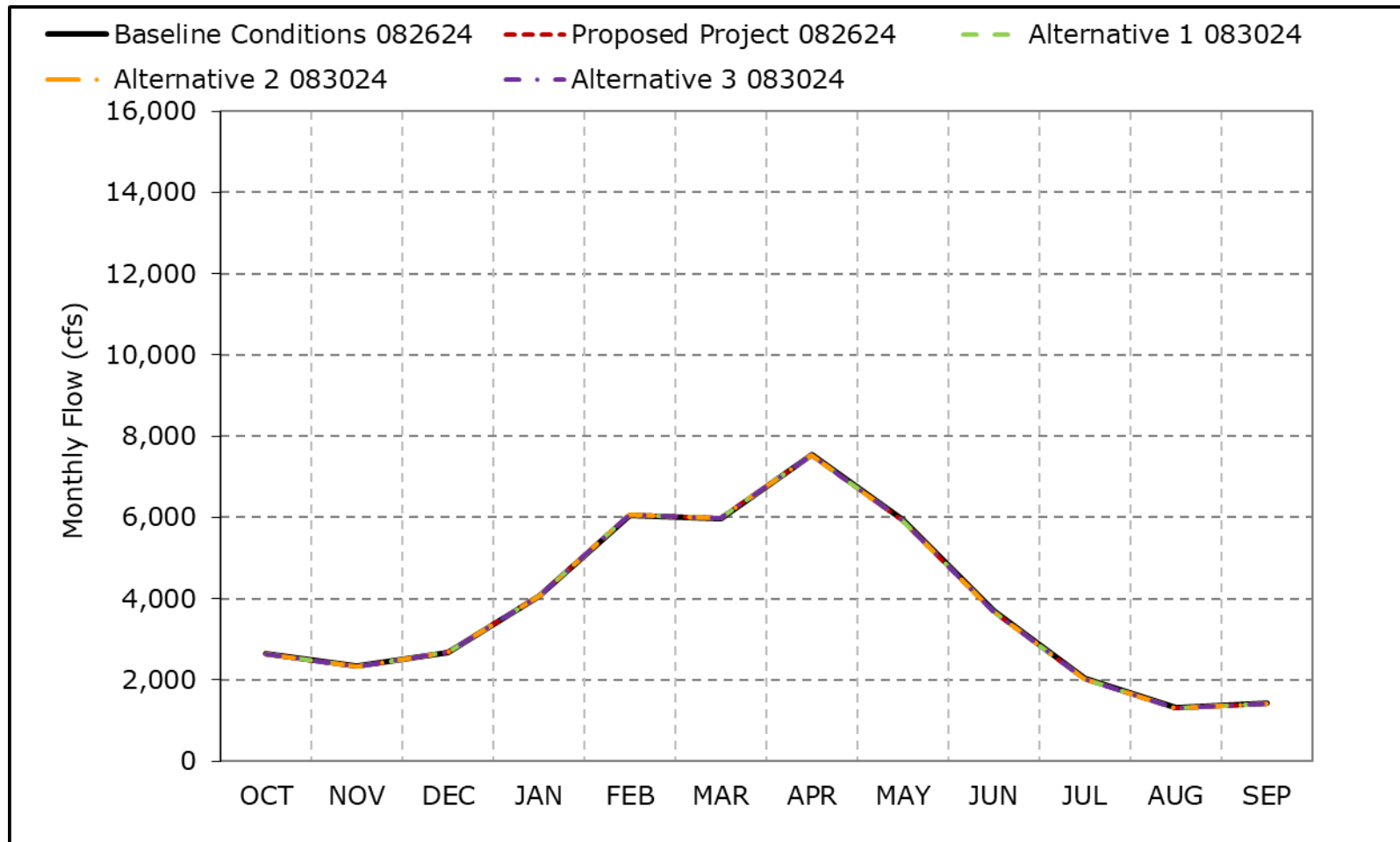


*As defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with water year - year type sorting.

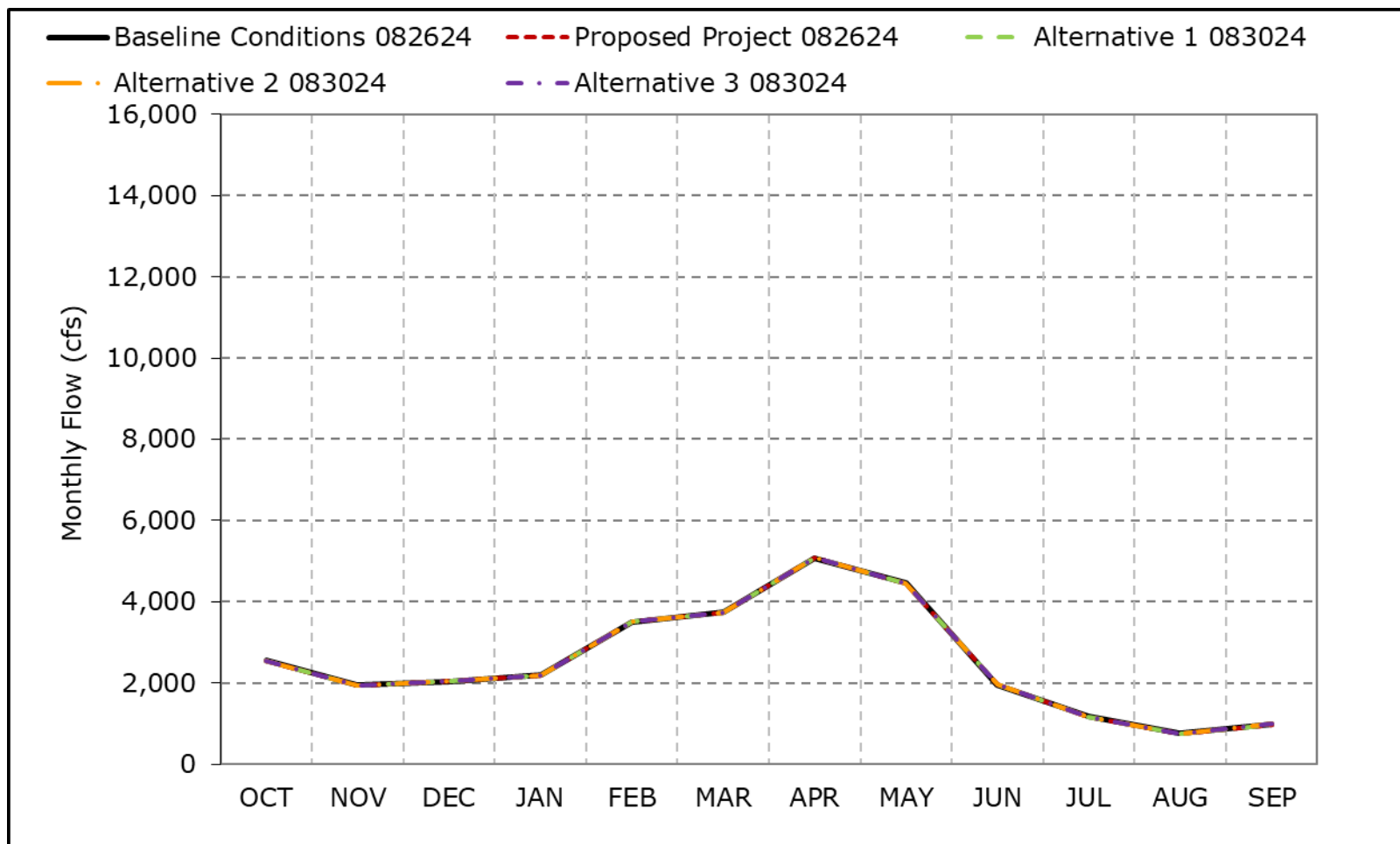
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-3-6c. San Joaquin River at Vernalis (60-20-20), Above Normal Year Average Flow



*As defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-3-6d. San Joaquin River at Vernalis (60-20-20), Below Normal Year Average Flow

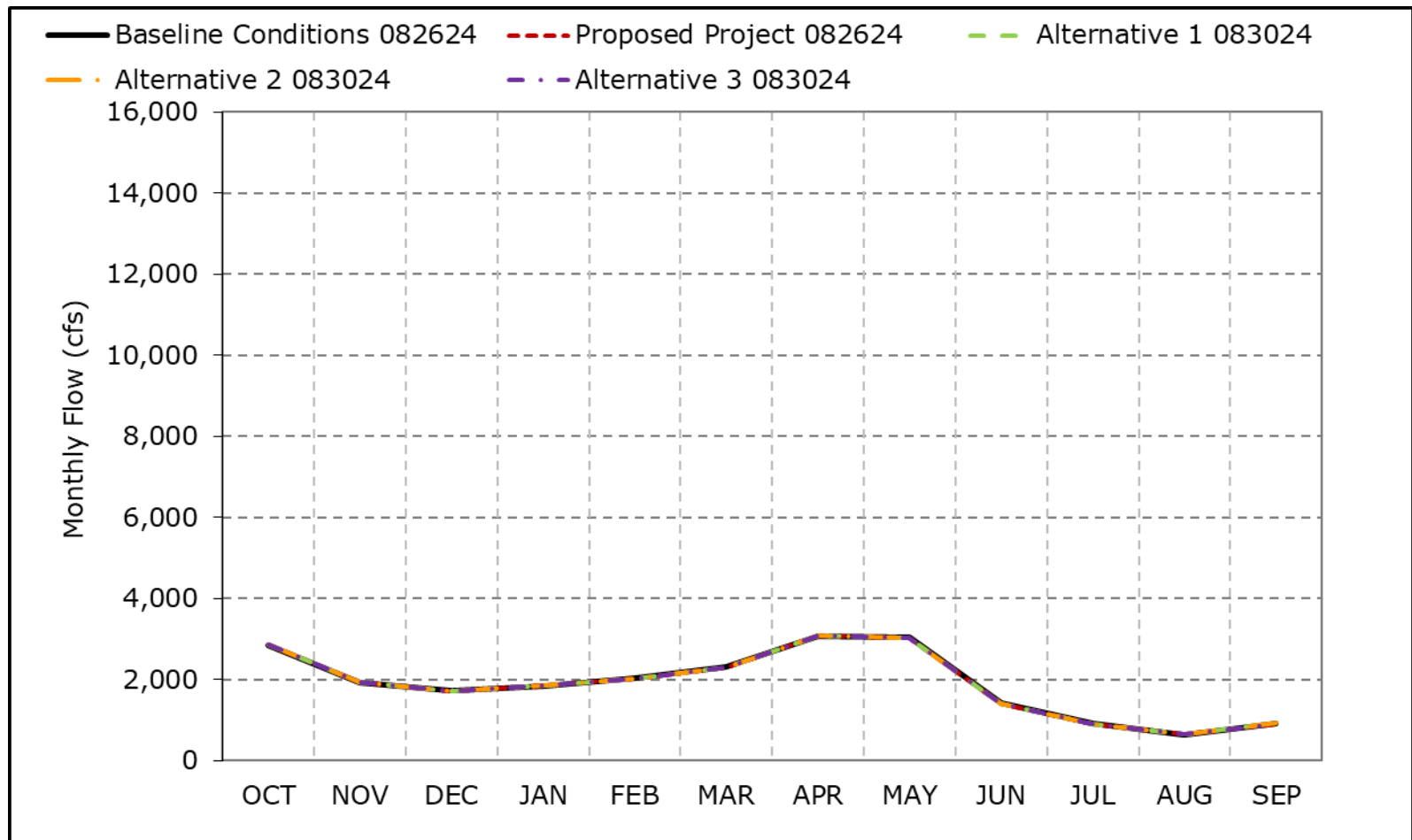


*As defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with water year - year type sorting.

*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-3-6e. San Joaquin River at Vernalis (60-20-20), Dry Year Average Flow

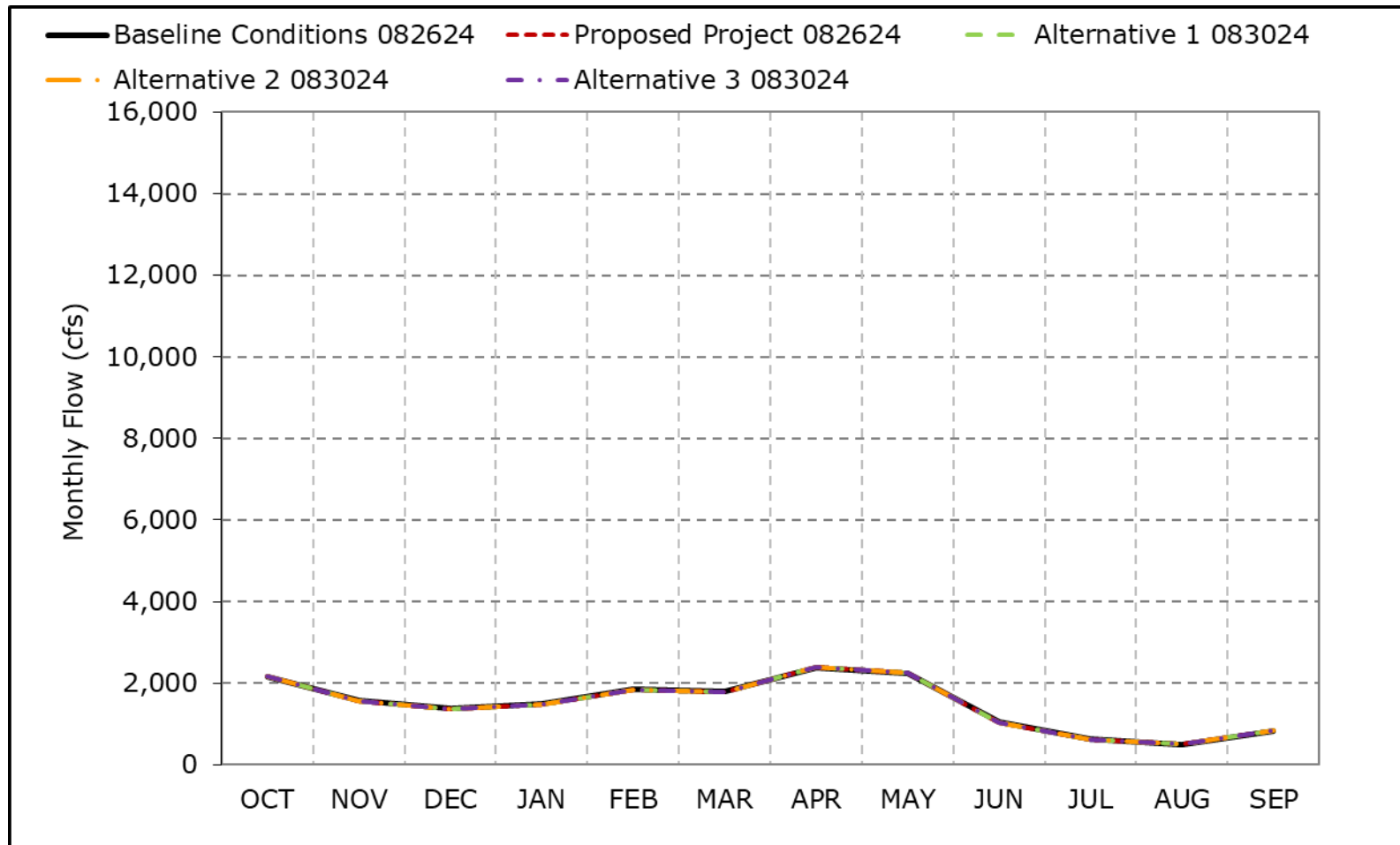


*As defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with water year - year type sorting.

*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-3-6f. San Joaquin River at Vernalis (60-20-20), Critical Year Average Flow



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

*These results are displayed with water year - year type sorting.

*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Table 4C-3-7-1a. Mokelumne River below Cosumnes, Baseline Conditions 082624, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	532	717	2,529	6,241	5,962	5,448	4,818	4,237	2,330	978	763	866
20% Exceedance	420	517	1,390	3,739	3,980	3,727	2,754	2,430	1,739	794	722	839
30% Exceedance	374	432	812	1,935	3,068	2,857	1,926	1,546	1,155	644	680	805
40% Exceedance	345	385	595	1,243	2,028	2,277	1,717	1,100	607	550	643	754
50% Exceedance	325	360	510	906	1,275	1,500	1,320	858	407	122	164	655
60% Exceedance	307	341	438	685	1,086	1,294	904	605	275	81	72	73
70% Exceedance	261	313	409	531	808	1,036	714	469	131	73	62	60
80% Exceedance	222	275	373	461	599	793	610	314	79	54	48	49
90% Exceedance	208	225	276	370	476	547	414	135	58	39	30	35
Full Simulation Period Average ^a	369	473	1,120	2,248	2,573	2,504	1,965	1,526	882	463	375	448
Wet Water Years (32%)	472	707	2,210	5,061	5,057	4,759	3,820	3,227	1,950	1,043	739	849
Above Normal Water Years (9%)	310	390	713	2,101	2,398	2,468	1,664	1,425	976	464	545	634
Below Normal Water Years (20%)	367	412	740	1,106	1,907	2,009	1,625	1,055	560	282	306	410
Dry Water Years (21%)	320	361	554	646	1,055	1,162	916	526	194	112	107	142
Critical Water Years (18%)	274	299	469	458	754	627	420	244	97	40	35	41

Table 4C-3-7-1b. Mokelumne River below Cosumnes, Proposed Project 082624, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	532	717	2,529	6,241	5,960	5,448	4,818	4,237	2,330	978	763	866
20% Exceedance	420	517	1,390	3,739	3,980	3,727	2,754	2,430	1,739	794	722	839
30% Exceedance	374	432	812	1,935	3,068	2,857	1,926	1,545	1,155	644	680	805
40% Exceedance	345	385	595	1,243	2,028	2,277	1,717	1,100	607	550	643	754
50% Exceedance	325	360	510	906	1,275	1,500	1,320	858	407	122	164	655
60% Exceedance	307	341	438	685	1,086	1,294	904	605	275	81	72	73
70% Exceedance	261	313	409	531	808	1,036	714	469	131	73	62	60
80% Exceedance	222	275	373	461	599	793	610	314	79	54	48	49
90% Exceedance	208	225	276	370	476	549	414	135	59	39	31	34
Full Simulation Period Average ^a	369	473	1,120	2,248	2,573	2,504	1,965	1,526	882	463	375	448
Wet Water Years (32%)	472	707	2,210	5,061	5,057	4,759	3,820	3,227	1,950	1,043	740	849
Above Normal Water Years (9%)	310	390	713	2,101	2,398	2,468	1,664	1,425	976	464	545	634
Below Normal Water Years (20%)	367	412	740	1,106	1,907	2,009	1,625	1,055	559	281	305	410
Dry Water Years (21%)	320	361	554	646	1,055	1,162	916	526	194	112	106	142
Critical Water Years (18%)	274	299	469	458	754	627	420	244	97	40	35	40

Table 4C-3-7-1c. Mokelumne River below Cosumnes, Proposed Project 082624 minus Baseline Conditions 082624, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	0	0	0	-3	0	0	0	0	0	0	0
20% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
30% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
40% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
50% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
60% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
70% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
80% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
90% Exceedance	0	0	0	0	0	1	0	0	0	0	1	-1
Full Simulation Period Average ^a	0	0	0	0	0	0	0	0	0	0	0	0
Wet Water Years (32%)	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal Water Years (9%)	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal Water Years (20%)	0	0	0	0	0	0	0	0	0	-1	-1	0
Dry Water Years (21%)	0	0	0	0	0	0	0	0	0	0	-1	0
Critical Water Years (18%)	0	0	0	0	0	0	0	0	0	0	1	0

^a Based on the 100-year simulation period.

* All scenarios are simulated at current climate condition and 0 cm sea level rise.

* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with water year - year type sorting.

Table 4C-3-7-2a. Mokelumne River below Cosumnes, Baseline Conditions 082624, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	532	717	2,529	6,241	5,962	5,448	4,818	4,237	2,330	978	763	866
20% Exceedance	420	517	1,390	3,739	3,980	3,727	2,754	2,430	1,739	794	722	839
30% Exceedance	374	432	812	1,935	3,068	2,857	1,926	1,546	1,155	644	680	805
40% Exceedance	345	385	595	1,243	2,028	2,277	1,717	1,100	607	550	643	754
50% Exceedance	325	360	510	906	1,275	1,500	1,320	858	407	122	164	655
60% Exceedance	307	341	438	685	1,086	1,294	904	605	275	81	72	73
70% Exceedance	261	313	409	531	808	1,036	714	469	131	73	62	60
80% Exceedance	222	275	373	461	599	793	610	314	79	54	48	49
90% Exceedance	208	225	276	370	476	547	414	135	58	39	30	35
Full Simulation Period Average ^a	369	473	1,120	2,248	2,573	2,504	1,965	1,526	882	463	375	448
Wet Water Years (32%)	472	707	2,210	5,061	5,057	4,759	3,820	3,227	1,950	1,043	739	849
Above Normal Water Years (9%)	310	390	713	2,101	2,398	2,468	1,664	1,425	976	464	545	634
Below Normal Water Years (20%)	367	412	740	1,106	1,907	2,009	1,625	1,055	560	282	306	410
Dry Water Years (21%)	320	361	554	646	1,055	1,162	916	526	194	112	107	142
Critical Water Years (18%)	274	299	469	458	754	627	420	244	97	40	35	41

Table 4C-3-7-2b. Mokelumne River below Cosumnes, Alternative 1 083024, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	532	717	2,529	6,240	5,962	5,448	4,818	4,237	2,330	978	763	866
20% Exceedance	420	517	1,390	3,739	3,980	3,727	2,754	2,430	1,739	794	722	839
30% Exceedance	374	432	812	1,935	3,068	2,857	1,926	1,545	1,155	644	680	805
40% Exceedance	347	385	595	1,243	2,028	2,277	1,717	1,100	607	550	643	754
50% Exceedance	325	360	510	906	1,275	1,500	1,320	858	407	122	164	655
60% Exceedance	307	341	438	685	1,086	1,294	904	605	275	81	72	73
70% Exceedance	261	313	409	531	808	1,036	714	469	131	73	62	60
80% Exceedance	222	275	373	461	599	793	610	314	79	54	48	49
90% Exceedance	208	225	276	370	476	549	414	135	59	39	30	35
Full Simulation Period Average ^a	369	473	1,120	2,248	2,573	2,504	1,965	1,526	882	463	375	448
Wet Water Years (32%)	472	707	2,210	5,061	5,057	4,759	3,820	3,227	1,950	1,043	739	849
Above Normal Water Years (9%)	310	390	713	2,101	2,398	2,468	1,664	1,425	976	464	545	634
Below Normal Water Years (20%)	367	412	740	1,106	1,907	2,009	1,625	1,055	559	281	305	410
Dry Water Years (21%)	320	361	554	646	1,055	1,162	916	526	194	112	106	142
Critical Water Years (18%)	274	299	469	458	754	627	420	244	97	40	35	41

Table 4C-3-7-2c. Mokelumne River below Cosumnes, Alternative 1 083024 minus Baseline Conditions 082624, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	0	0	-1	0	0	0	0	0	0	0	0
20% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
30% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
40% Exceedance	2	0	0	0	0	0	0	0	0	0	0	0
50% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
60% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
70% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
80% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
90% Exceedance	0	0	0	0	0	1	0	0	0	0	0	0
Full Simulation Period Average ^a	0	0	0	0	0	0	0	0	0	0	0	0
Wet Water Years (32%)	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal Water Years (9%)	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal Water Years (20%)	0	0	0	0	0	0	0	0	0	-1	-1	0
Dry Water Years (21%)	0	0	0	0	0	0	0	0	0	0	-1	0
Critical Water Years (18%)	0	0	0	0	0	0	0	0	0	0	0	0

^a Based on the 100-year simulation period.

* All scenarios are simulated at current climate condition and 0 cm sea level rise.

* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with water year - year type sorting.

Table 4C-3-7-3a. Mokelumne River below Cosumnes, Baseline Conditions 082624, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	532	717	2,529	6,241	5,962	5,448	4,818	4,237	2,330	978	763	866
20% Exceedance	420	517	1,390	3,739	3,980	3,727	2,754	2,430	1,739	794	722	839
30% Exceedance	374	432	812	1,935	3,068	2,857	1,926	1,546	1,155	644	680	805
40% Exceedance	345	385	595	1,243	2,028	2,277	1,717	1,100	607	550	643	754
50% Exceedance	325	360	510	906	1,275	1,500	1,320	858	407	122	164	655
60% Exceedance	307	341	438	685	1,086	1,294	904	605	275	81	72	73
70% Exceedance	261	313	409	531	808	1,036	714	469	131	73	62	60
80% Exceedance	222	275	373	461	599	793	610	314	79	54	48	49
90% Exceedance	208	225	276	370	476	547	414	135	58	39	30	35
Full Simulation Period Average ^a	369	473	1,120	2,248	2,573	2,504	1,965	1,526	882	463	375	448
Wet Water Years (32%)	472	707	2,210	5,061	5,057	4,759	3,820	3,227	1,950	1,043	739	849
Above Normal Water Years (9%)	310	390	713	2,101	2,398	2,468	1,664	1,425	976	464	545	634
Below Normal Water Years (20%)	367	412	740	1,106	1,907	2,009	1,625	1,055	560	282	306	410
Dry Water Years (21%)	320	361	554	646	1,055	1,162	916	526	194	112	107	142
Critical Water Years (18%)	274	299	469	458	754	627	420	244	97	40	35	41

Table 4C-3-7-3b. Mokelumne River below Cosumnes, Alternative 2 083024, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	532	717	2,529	6,241	5,962	5,448	4,818	4,237	2,330	978	763	866
20% Exceedance	420	517	1,390	3,739	3,980	3,727	2,754	2,430	1,739	794	722	839
30% Exceedance	374	432	812	1,935	3,068	2,857	1,926	1,545	1,155	644	680	805
40% Exceedance	345	385	595	1,243	2,028	2,277	1,717	1,100	607	550	643	754
50% Exceedance	325	360	510	906	1,275	1,500	1,320	858	407	122	164	655
60% Exceedance	307	341	438	685	1,086	1,294	904	605	275	81	72	73
70% Exceedance	261	313	409	531	808	1,036	714	469	131	73	62	60
80% Exceedance	222	275	373	461	599	793	610	314	79	54	48	49
90% Exceedance	208	225	276	370	476	549	414	135	59	39	31	34
Full Simulation Period Average ^a	369	473	1,120	2,248	2,573	2,504	1,965	1,526	882	463	375	448
Wet Water Years (32%)	472	707	2,210	5,061	5,057	4,759	3,820	3,227	1,950	1,043	739	849
Above Normal Water Years (9%)	310	390	713	2,101	2,398	2,468	1,664	1,425	976	464	545	634
Below Normal Water Years (20%)	367	412	740	1,106	1,907	2,009	1,625	1,055	559	281	305	410
Dry Water Years (21%)	320	361	554	646	1,055	1,162	916	526	194	112	106	142
Critical Water Years (18%)	274	299	469	458	754	627	420	244	97	40	35	40

Table 4C-3-7-3c. Mokelumne River below Cosumnes, Alternative 2 083024 minus Baseline Conditions 082624, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
20% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
30% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
40% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
50% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
60% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
70% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
80% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
90% Exceedance	0	0	0	0	0	1	0	0	0	0	1	-1
Full Simulation Period Average ^a	0	0	0	0	0	0	0	0	0	0	0	0
Wet Water Years (32%)	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal Water Years (9%)	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal Water Years (20%)	0	0	0	0	0	0	0	0	0	-1	-1	0
Dry Water Years (21%)	0	0	0	0	0	0	0	0	0	0	-1	0
Critical Water Years (18%)	0	0	0	0	0	0	0	0	0	0	1	0

^a Based on the 100-year simulation period.

* All scenarios are simulated at current climate condition and 0 cm sea level rise.

* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with water year - year type sorting.

Table 4C-3-7-4a. Mokelumne River below Cosumnes, Baseline Conditions 082624, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	532	717	2,529	6,241	5,962	5,448	4,818	4,237	2,330	978	763	866
20% Exceedance	420	517	1,390	3,739	3,980	3,727	2,754	2,430	1,739	794	722	839
30% Exceedance	374	432	812	1,935	3,068	2,857	1,926	1,546	1,155	644	680	805
40% Exceedance	345	385	595	1,243	2,028	2,277	1,717	1,100	607	550	643	754
50% Exceedance	325	360	510	906	1,275	1,500	1,320	858	407	122	164	655
60% Exceedance	307	341	438	685	1,086	1,294	904	605	275	81	72	73
70% Exceedance	261	313	409	531	808	1,036	714	469	131	73	62	60
80% Exceedance	222	275	373	461	599	793	610	314	79	54	48	49
90% Exceedance	208	225	276	370	476	547	414	135	58	39	30	35
Full Simulation Period Average ^a	369	473	1,120	2,248	2,573	2,504	1,965	1,526	882	463	375	448
Wet Water Years (32%)	472	707	2,210	5,061	5,057	4,759	3,820	3,227	1,950	1,043	739	849
Above Normal Water Years (9%)	310	390	713	2,101	2,398	2,468	1,664	1,425	976	464	545	634
Below Normal Water Years (20%)	367	412	740	1,106	1,907	2,009	1,625	1,055	560	282	306	410
Dry Water Years (21%)	320	361	554	646	1,055	1,162	916	526	194	112	107	142
Critical Water Years (18%)	274	299	469	458	754	627	420	244	97	40	35	41

Table 4C-3-7-4b. Mokelumne River below Cosumnes, Alternative 3 083024, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	532	717	2,529	6,241	5,962	5,448	4,818	4,237	2,330	978	763	866
20% Exceedance	420	517	1,390	3,739	3,980	3,727	2,754	2,430	1,739	794	722	839
30% Exceedance	374	432	812	1,935	3,068	2,857	1,926	1,546	1,155	644	680	805
40% Exceedance	345	385	595	1,243	2,028	2,277	1,717	1,100	607	550	643	754
50% Exceedance	325	360	510	906	1,275	1,500	1,320	858	407	122	164	655
60% Exceedance	307	341	438	685	1,086	1,294	904	605	275	81	72	73
70% Exceedance	261	313	409	531	808	1,036	714	469	131	73	62	60
80% Exceedance	222	275	373	461	599	793	610	314	79	54	48	49
90% Exceedance	208	225	276	370	476	549	414	135	59	39	30	35
Full Simulation Period Average ^a	369	473	1,120	2,248	2,573	2,504	1,965	1,526	882	463	375	448
Wet Water Years (32%)	472	707	2,210	5,061	5,057	4,759	3,820	3,227	1,950	1,043	739	849
Above Normal Water Years (9%)	310	390	713	2,101	2,398	2,468	1,664	1,425	976	464	545	634
Below Normal Water Years (20%)	367	412	740	1,106	1,907	2,009	1,625	1,055	559	281	305	410
Dry Water Years (21%)	320	361	554	646	1,055	1,162	916	526	194	112	106	142
Critical Water Years (18%)	274	299	469	458	754	627	420	244	97	40	35	41

Table 4C-3-7-4c. Mokelumne River below Cosumnes, Alternative 3 083024 minus Baseline Conditions 082624, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
20% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
30% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
40% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
50% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
60% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
70% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
80% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
90% Exceedance	0	0	0	0	0	1	0	0	0	0	0	0
Full Simulation Period Average ^a	0	0	0	0	0	0	0	0	0	0	0	0
Wet Water Years (32%)	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal Water Years (9%)	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal Water Years (20%)	0	0	0	0	0	0	0	0	0	-1	-1	0
Dry Water Years (21%)	0	0	0	0	0	0	0	0	0	0	-1	0
Critical Water Years (18%)	0	0	0	0	0	0	0	0	0	0	0	0

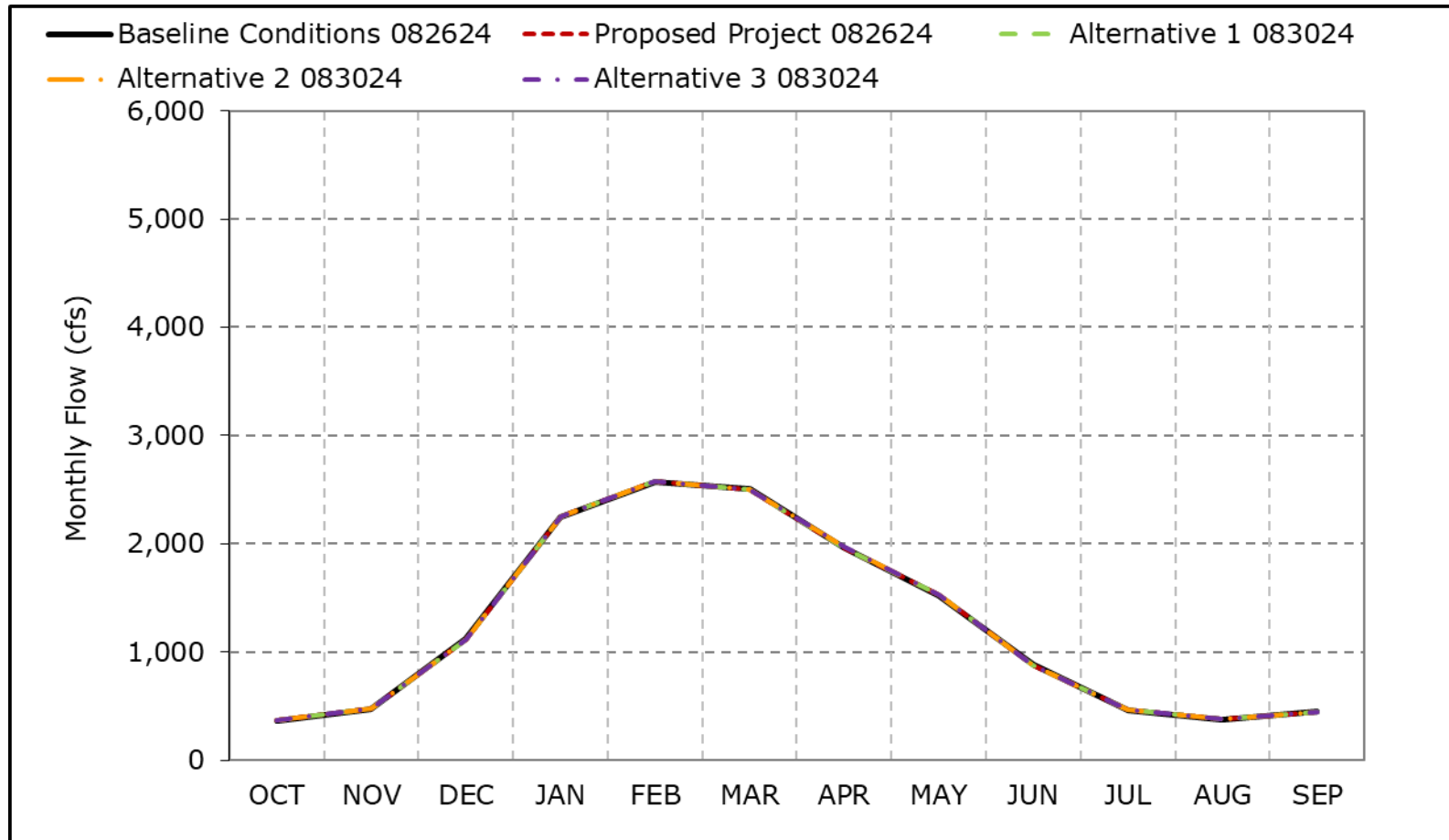
^a Based on the 100-year simulation period.

* All scenarios are simulated at current climate condition and 0 cm sea level rise.

* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with water year - year type sorting.

Figure 4C-3-7a. Mokelumne River below Cosumnes, Long-Term Average Flow

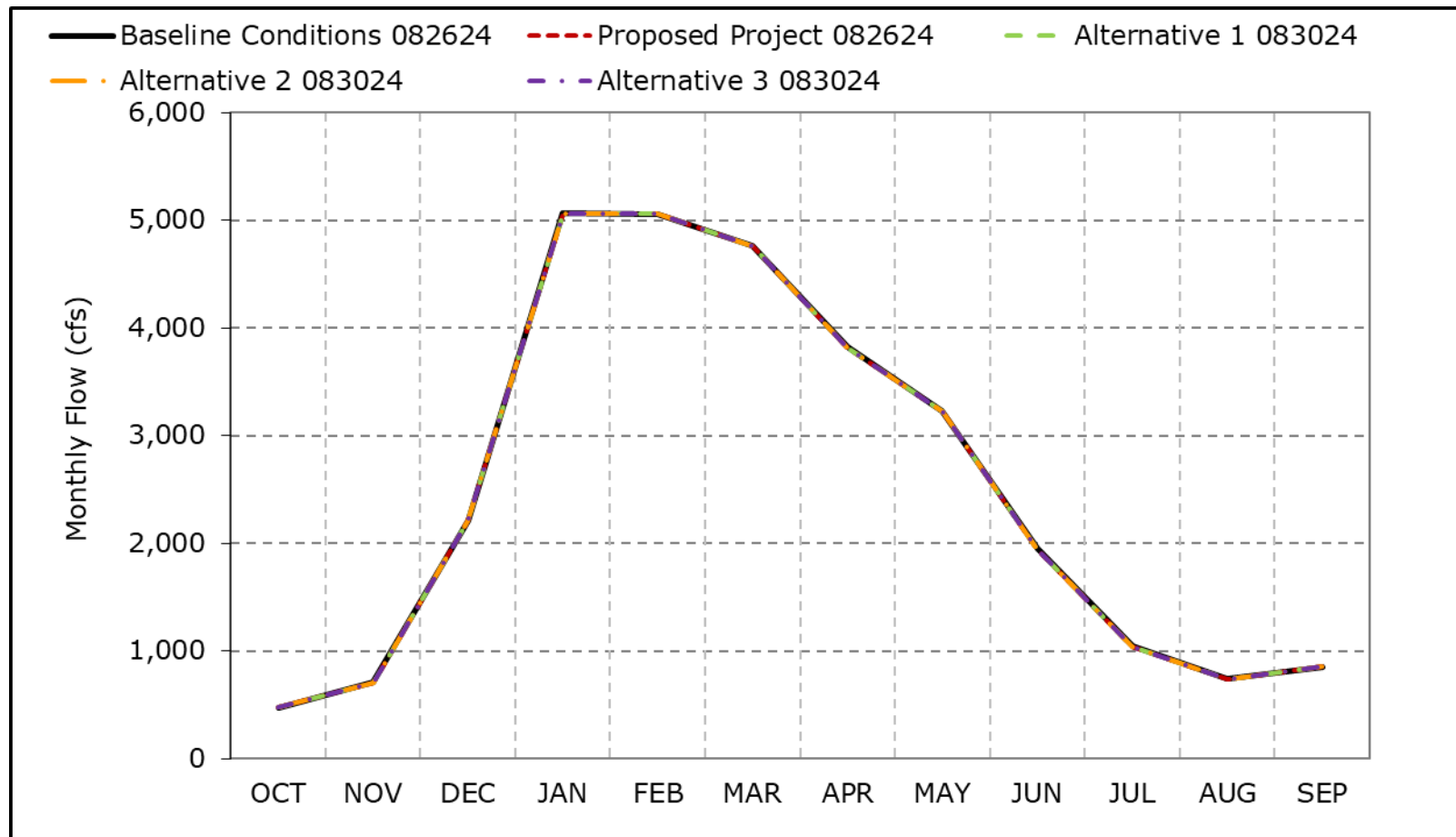


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with water year - year type sorting.

*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-3-7b. Mokelumne River below Cosumnes, Wet Year Average Flow

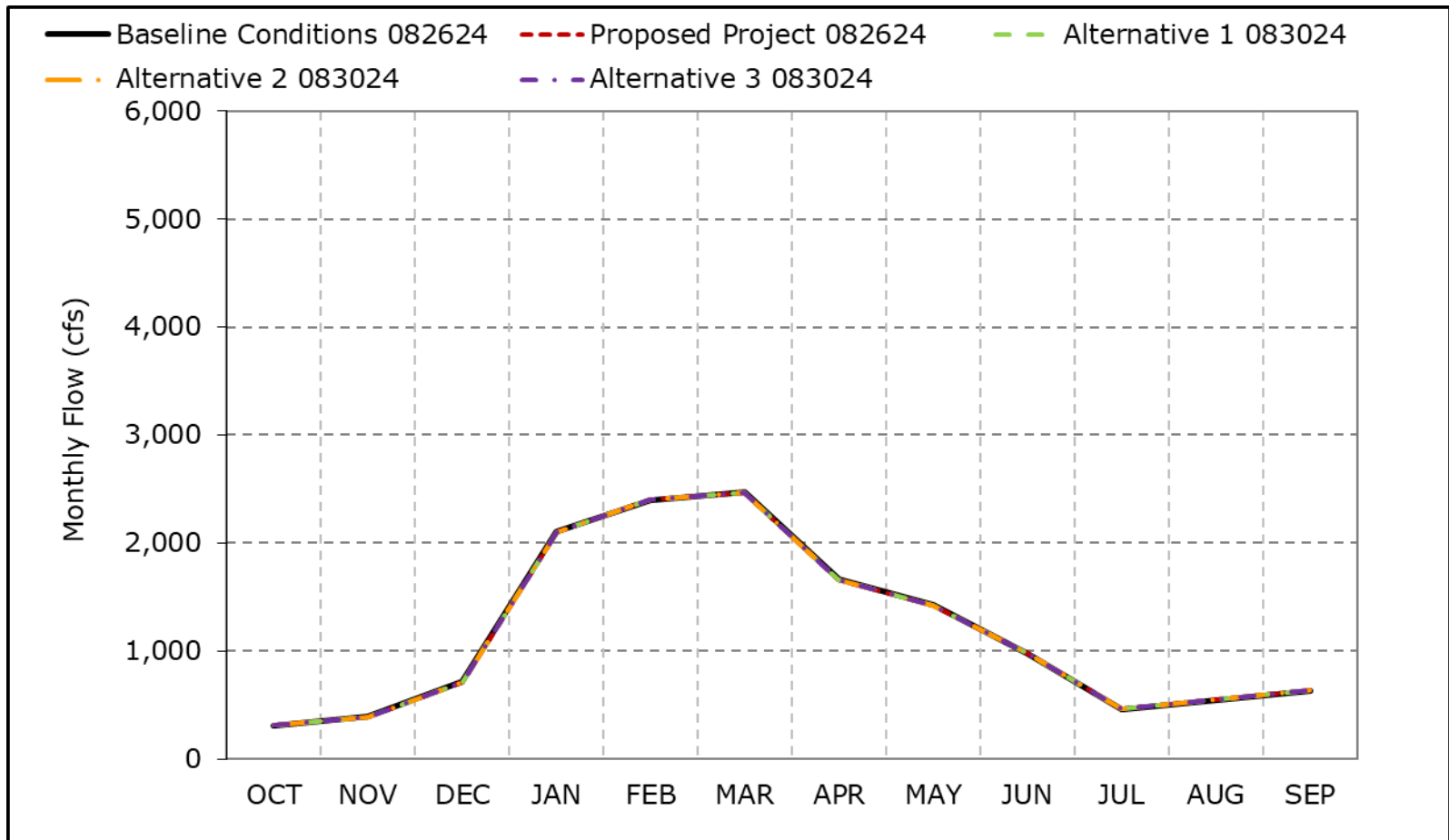


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with water year - year type sorting.

*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-3-7c. Mokelumne River below Cosumnes, Above Normal Year Average Flow

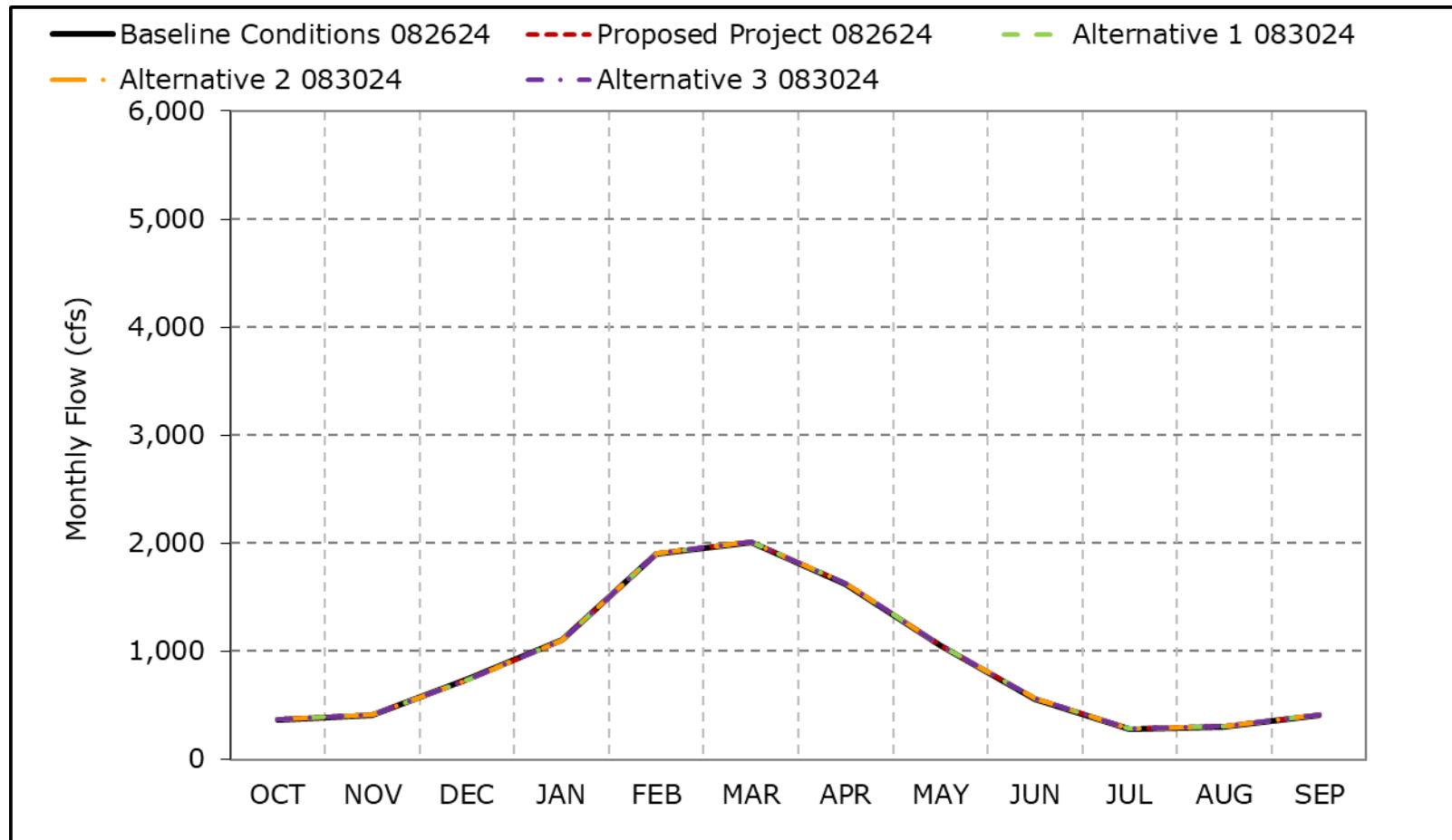


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with water year - year type sorting.

*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-3-7d. Mokelumne River below Cosumnes, Below Normal Year Average Flow

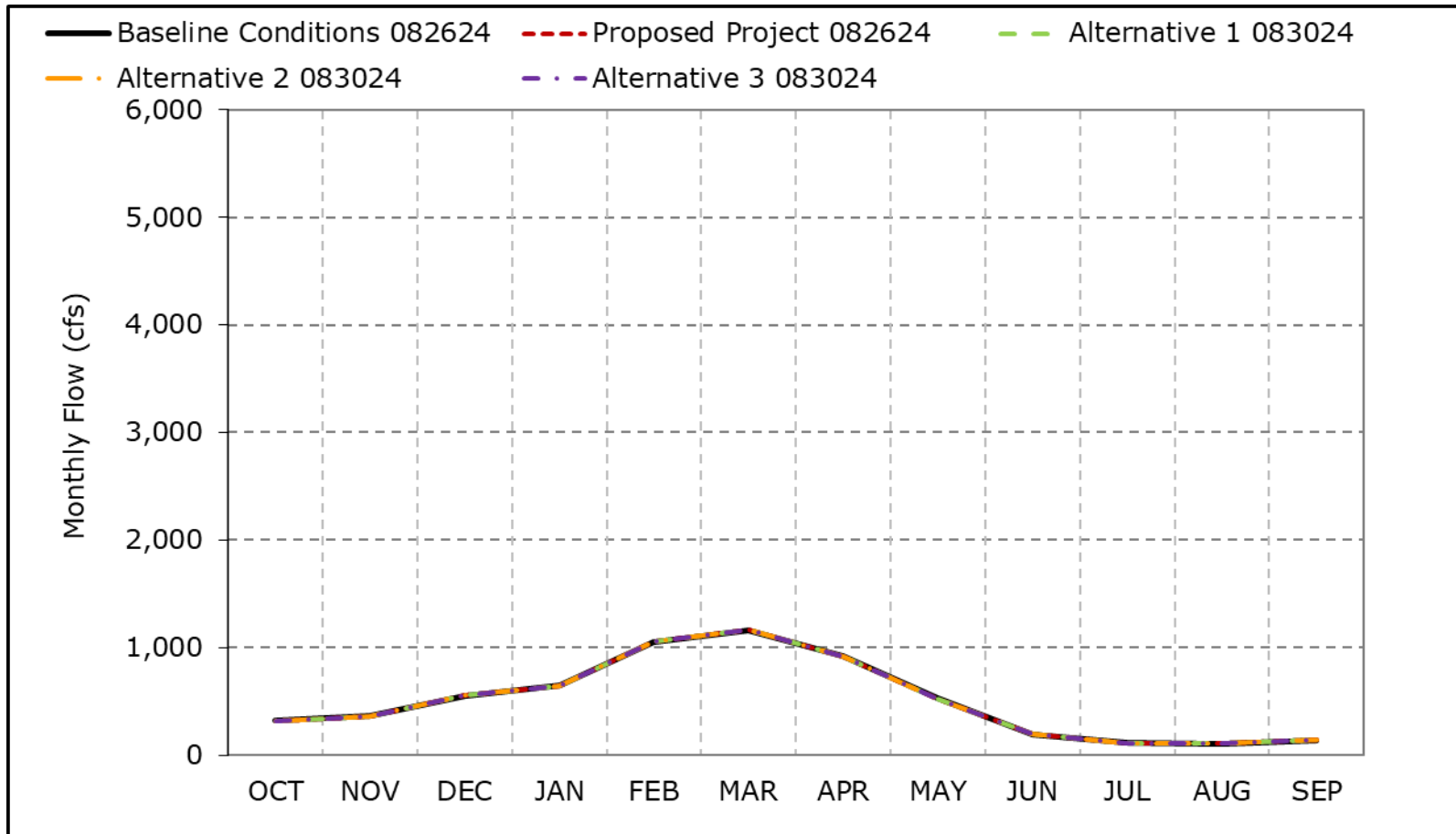


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with water year - year type sorting.

*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-3-7e. Mokelumne River below Cosumnes, Dry Year Average Flow

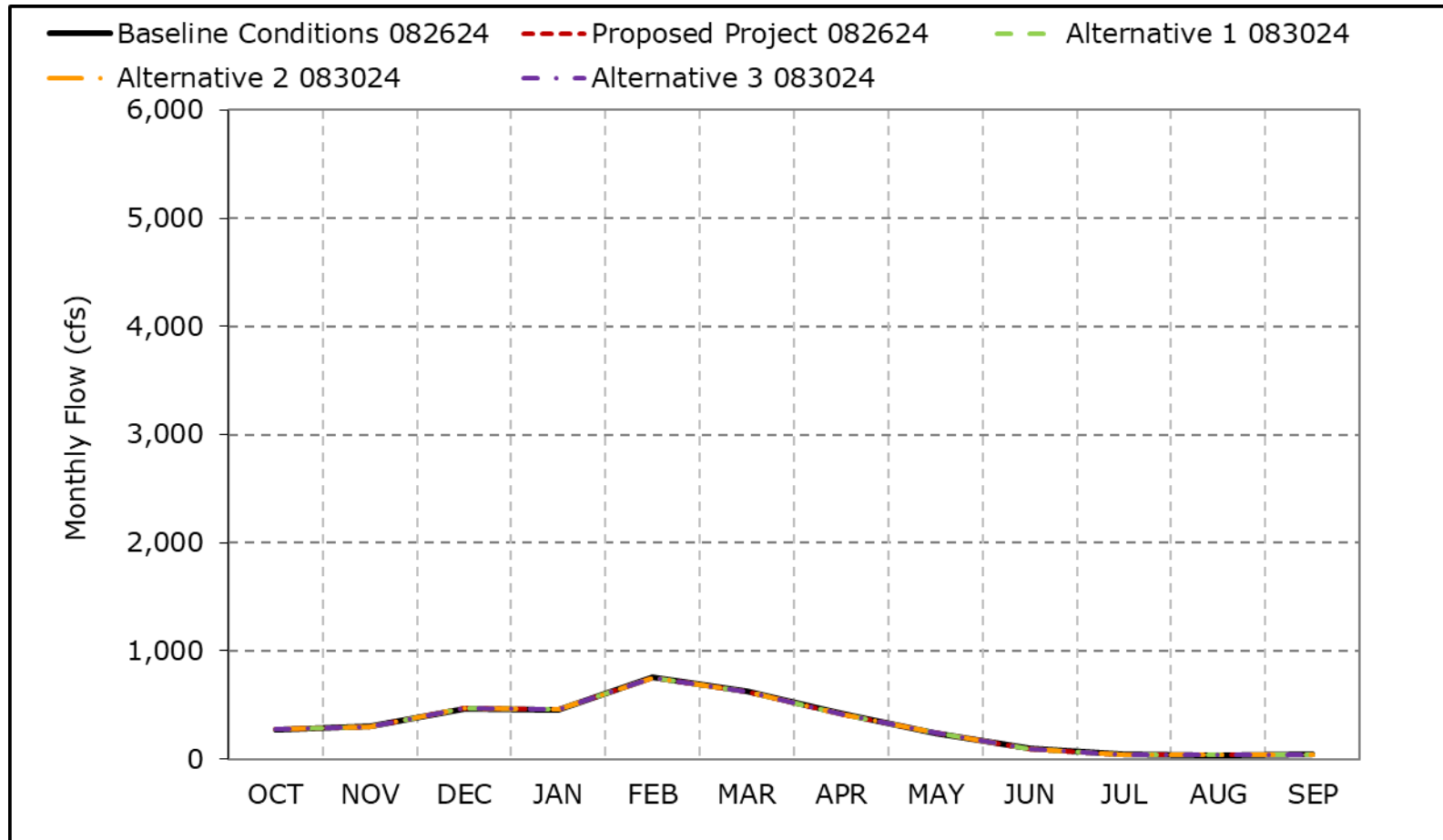


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with water year - year type sorting.

*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-3-7f. Mokelumne River below Cosumnes, Critical Year Average Flow

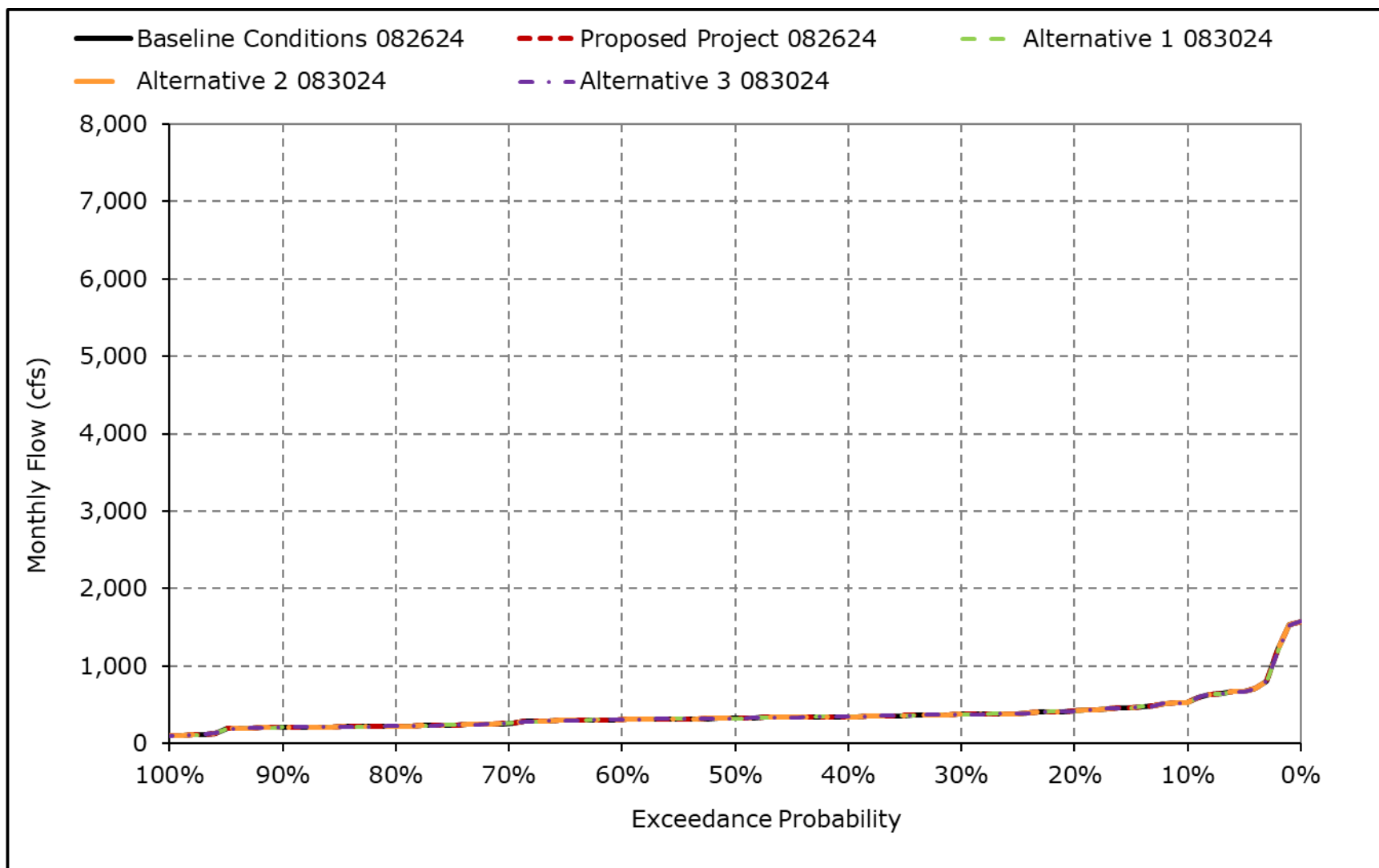


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with water year - year type sorting.

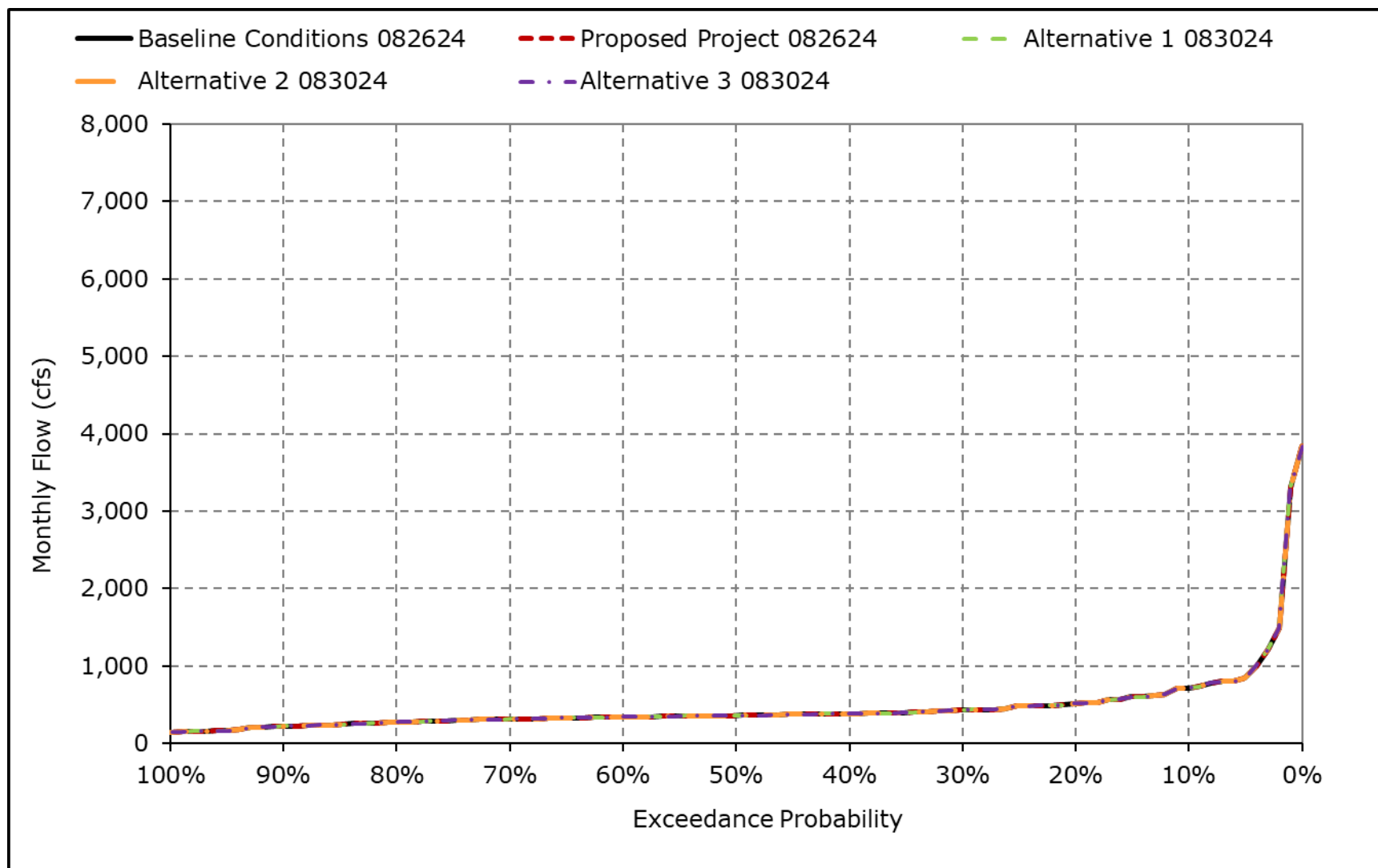
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-3-7g. Mokelumne River below Cosumnes, October



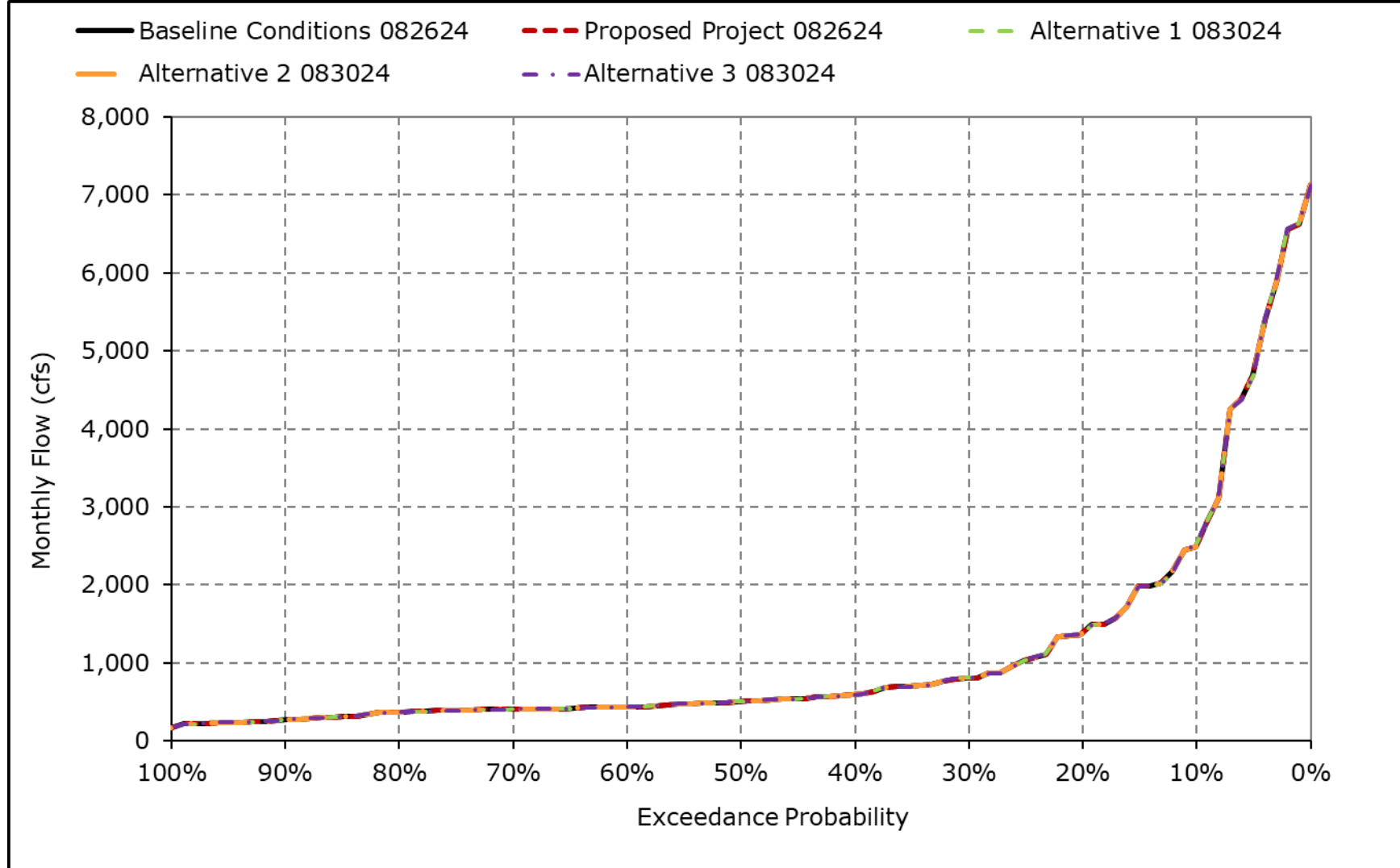
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-3-7h. Mokelumne River below Cosumnes, November



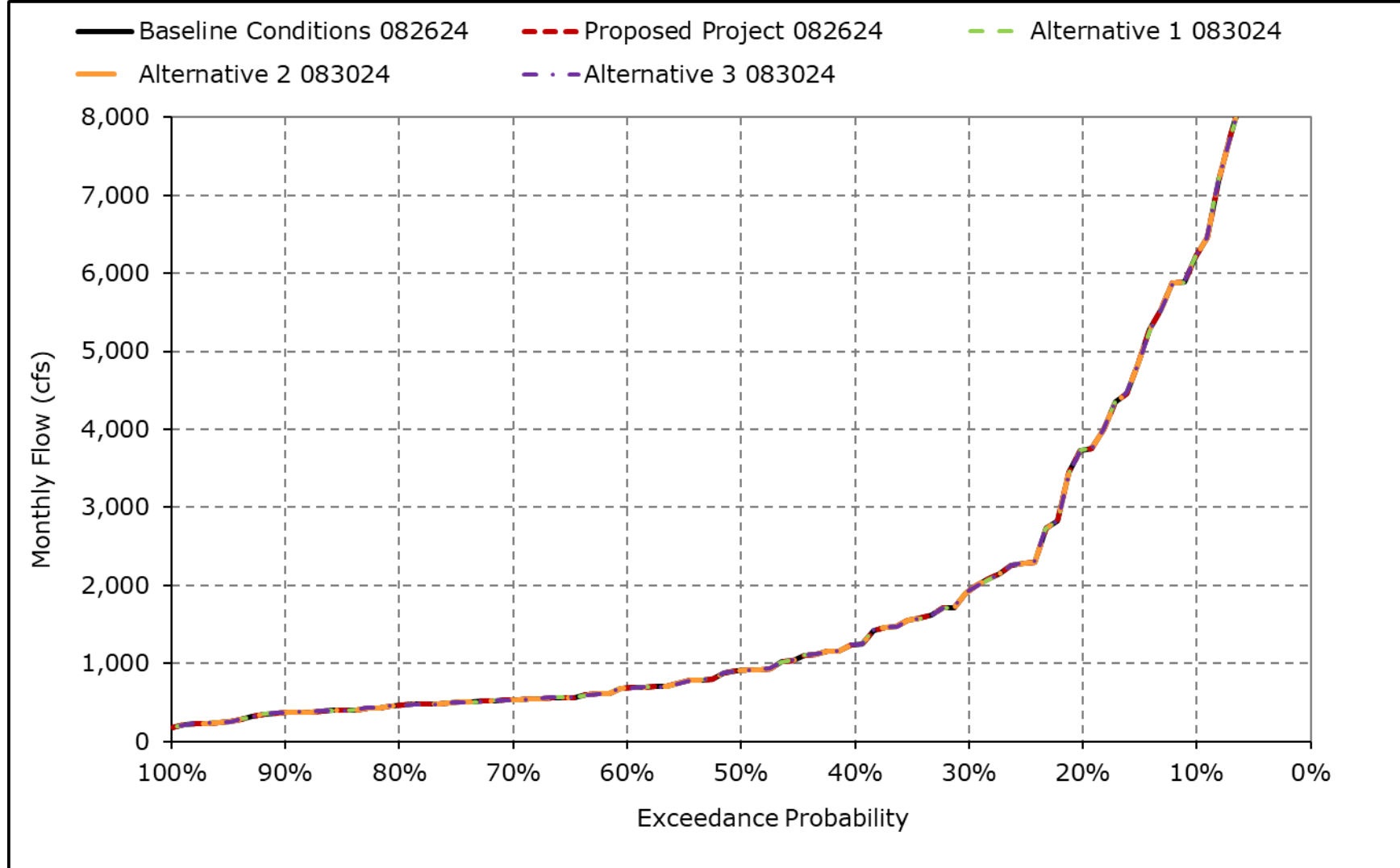
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-3-7i. Mokelumne River below Cosumnes, December



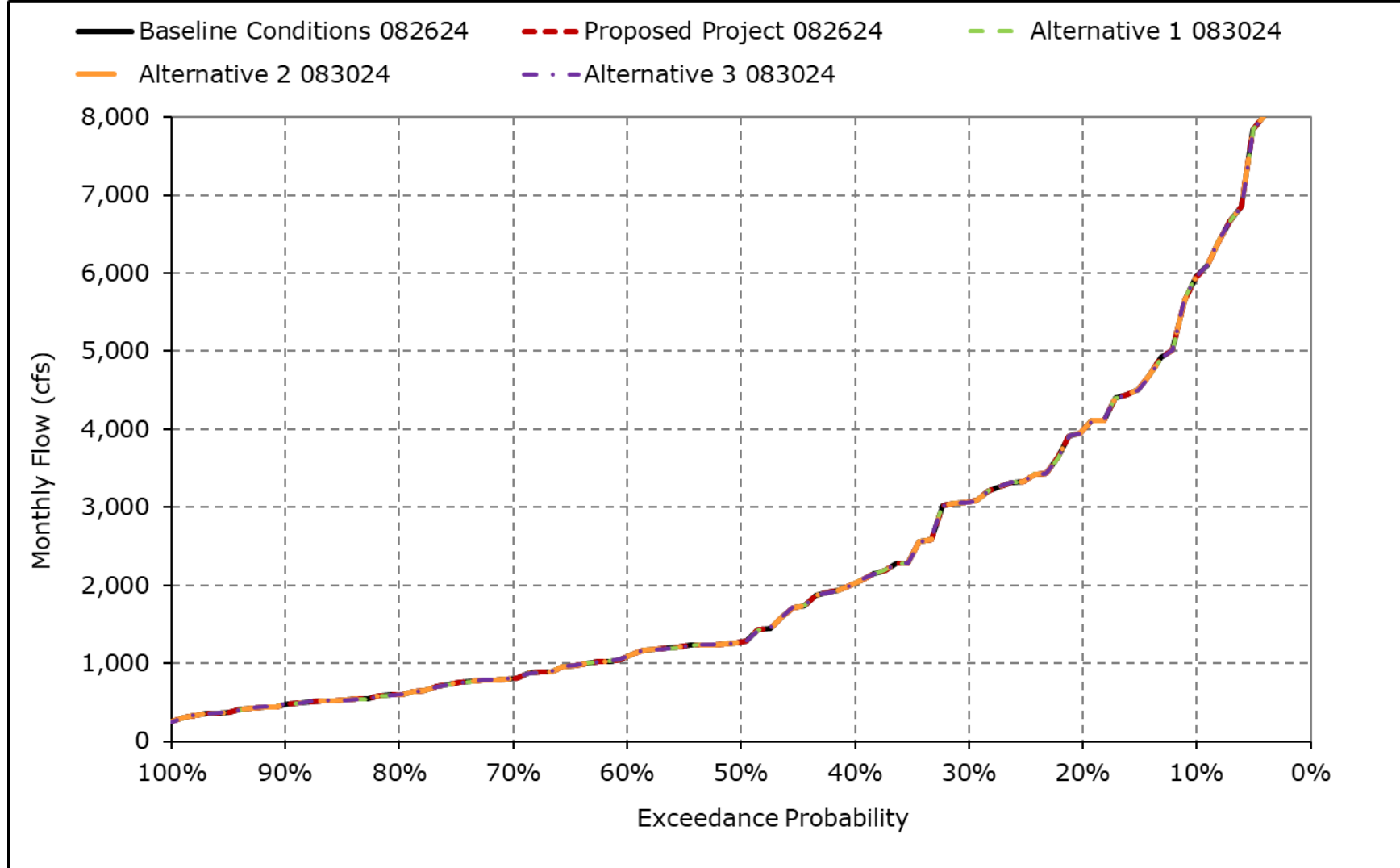
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-3-7j. Mokelumne River below Cosumnes, January



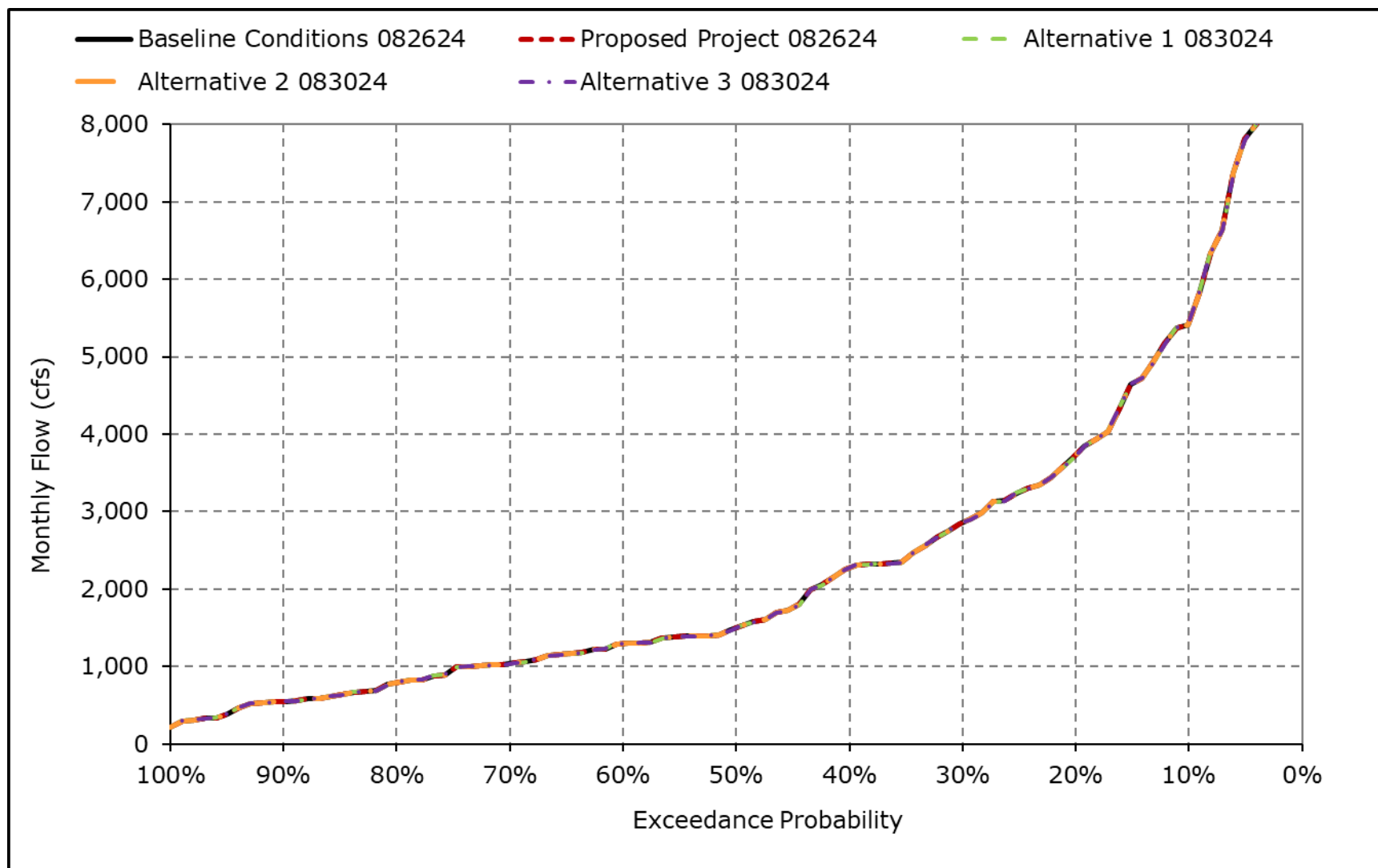
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-3-7k. Mokelumne River below Cosumnes, February



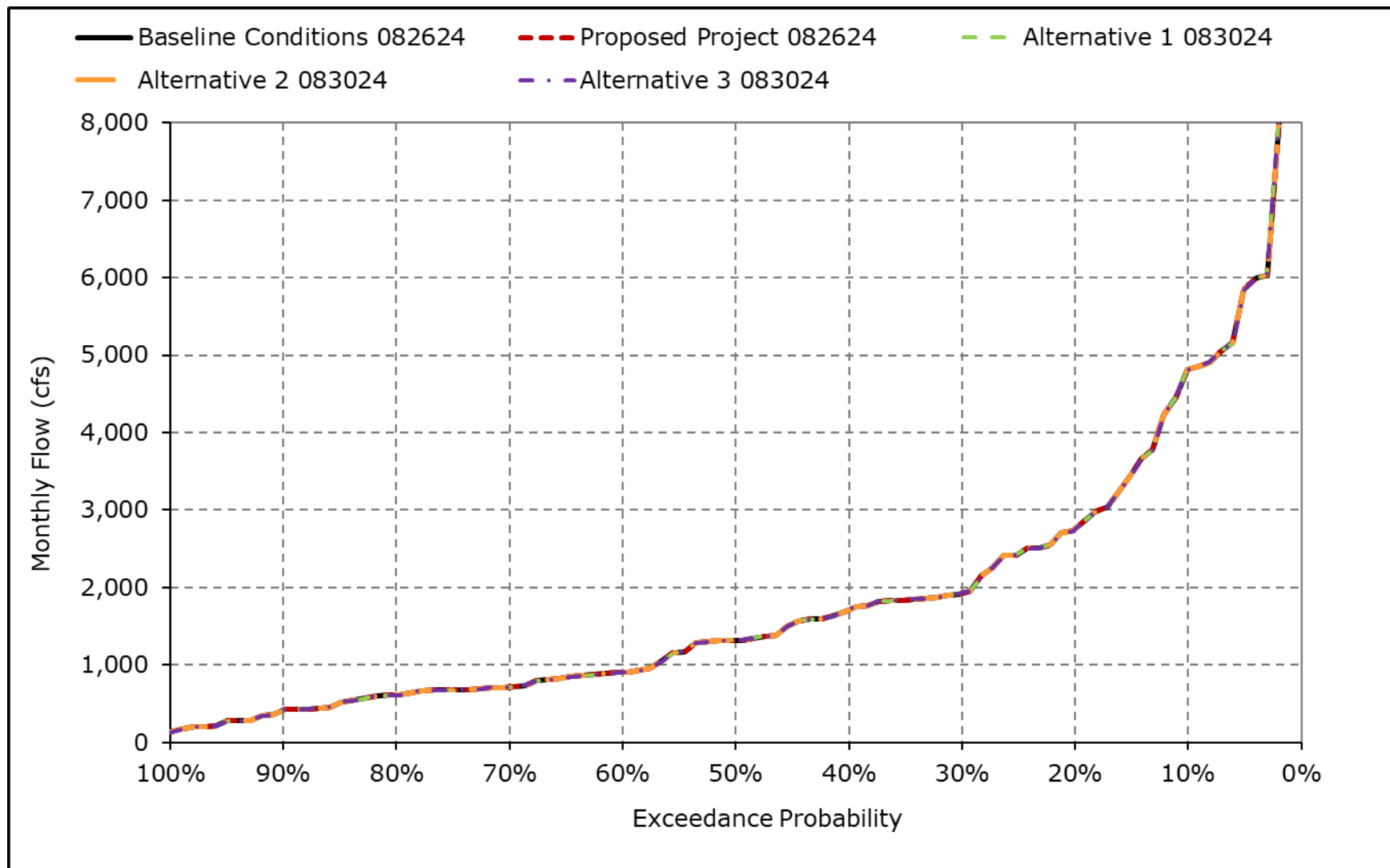
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-3-7I. Mokelumne River below Cosumnes, March



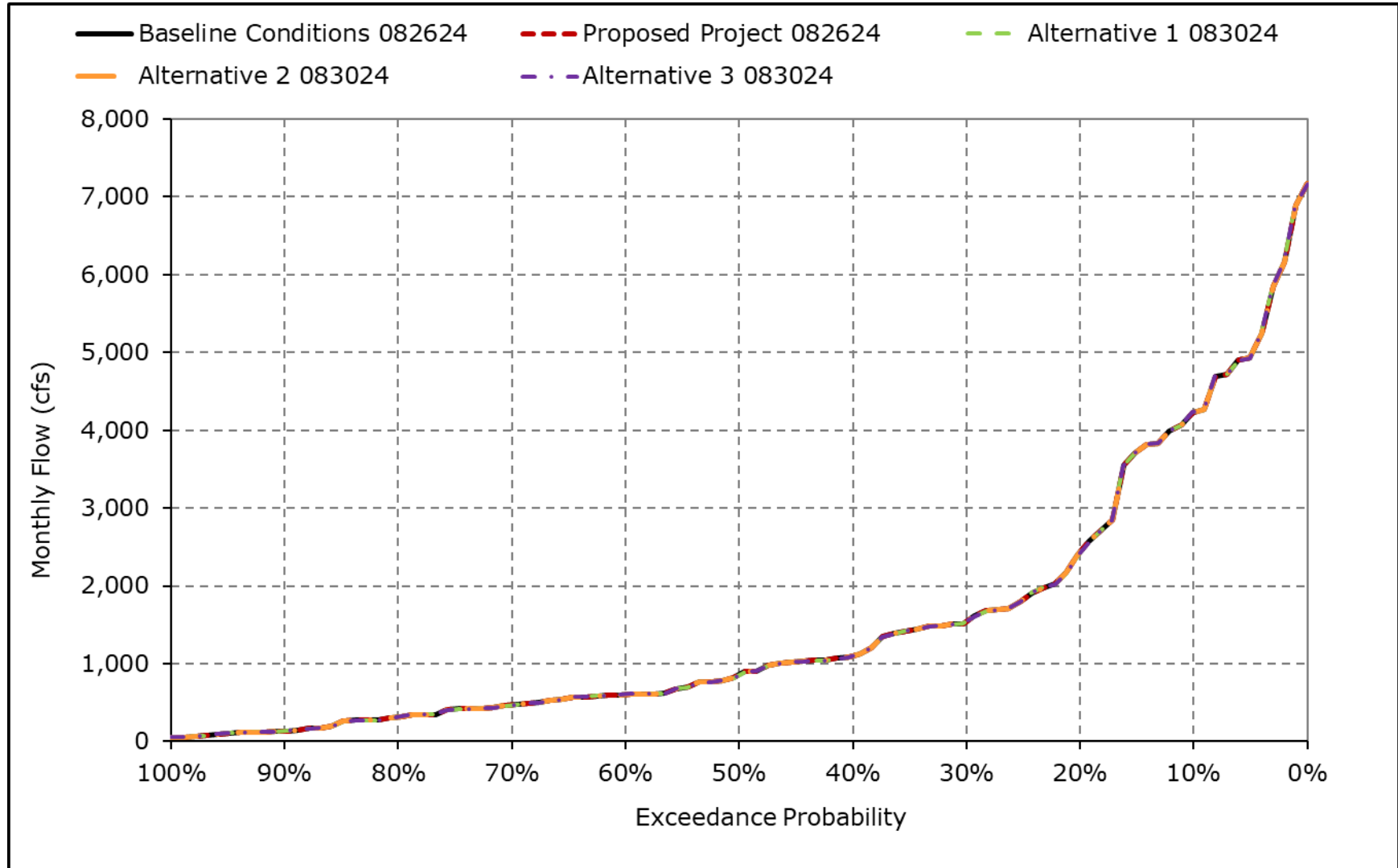
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-3-7m. Mokelumne River below Cosumnes, April



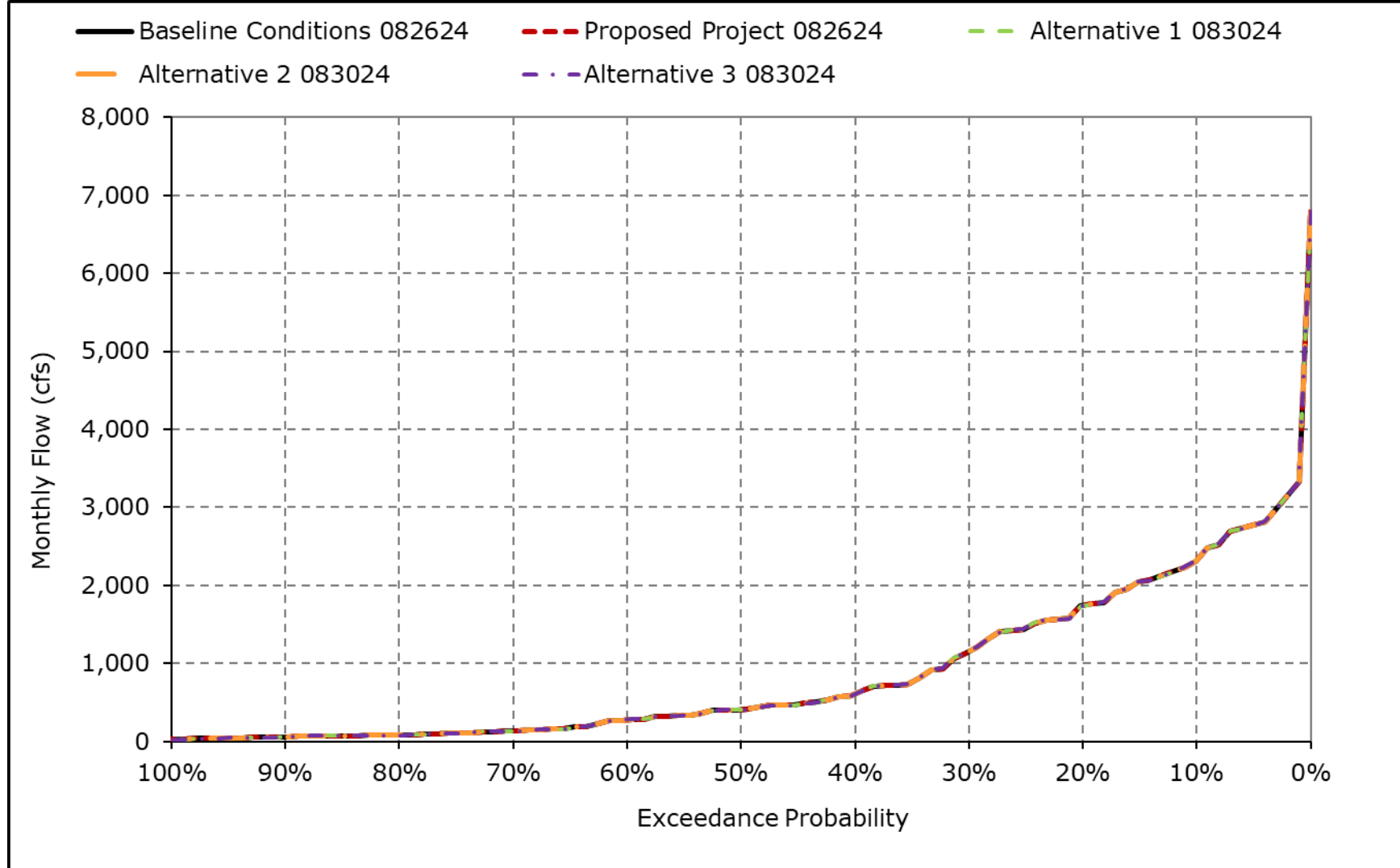
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-3-7n. Mokelumne River below Cosumnes, May



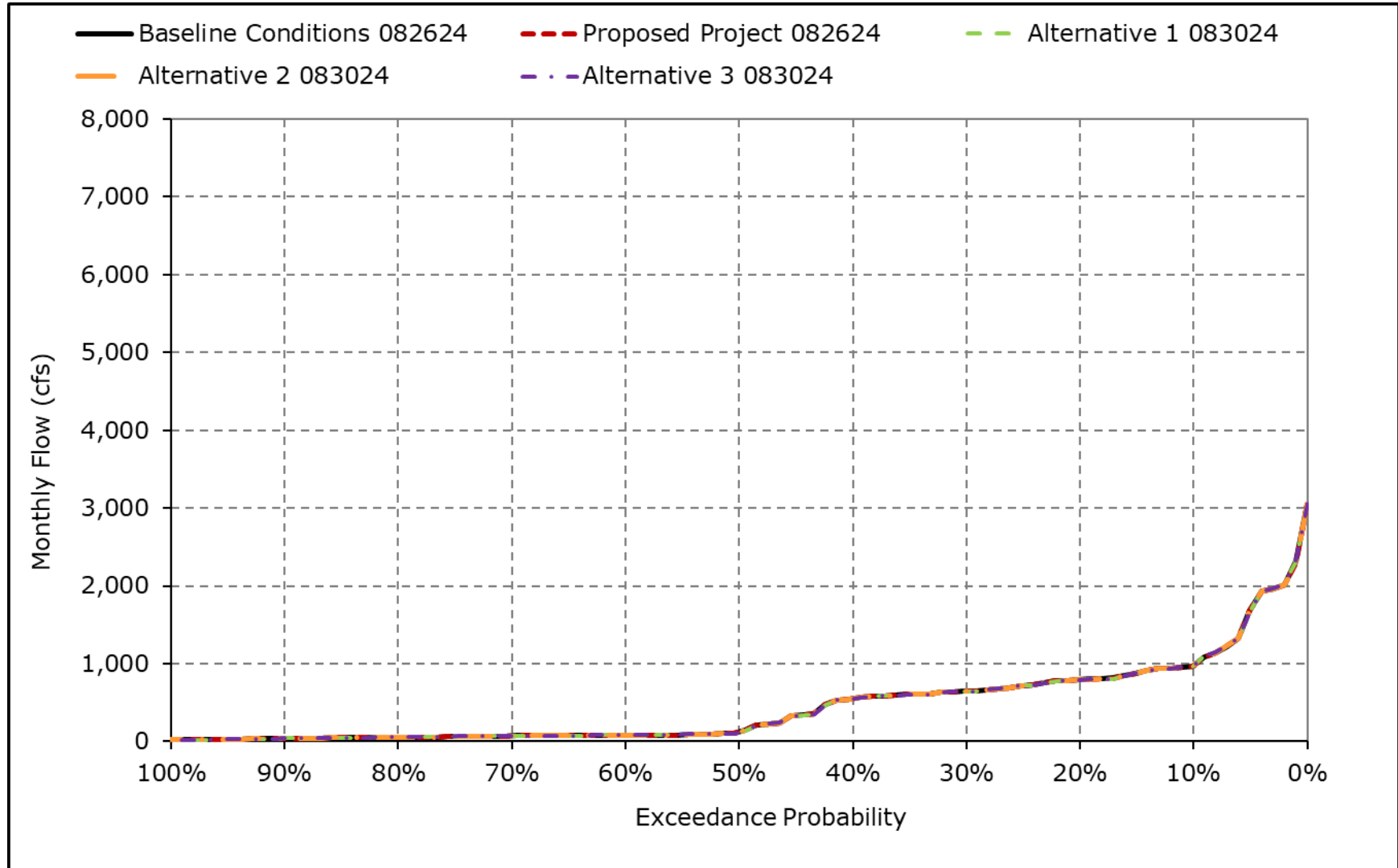
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-3-7o. Mokelumne River below Cosumnes, June



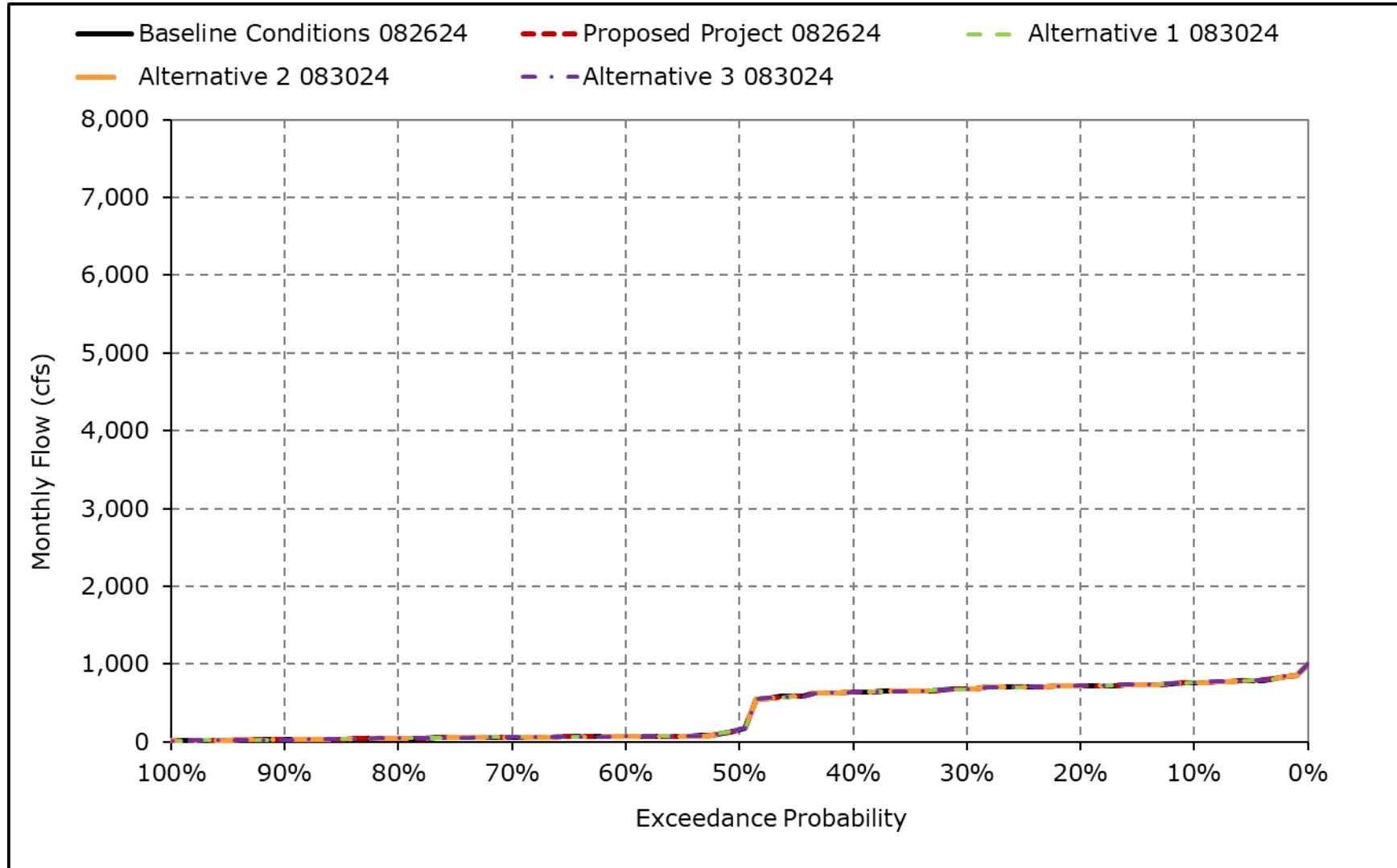
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-3-7p. Mokelumne River below Cosumnes, July



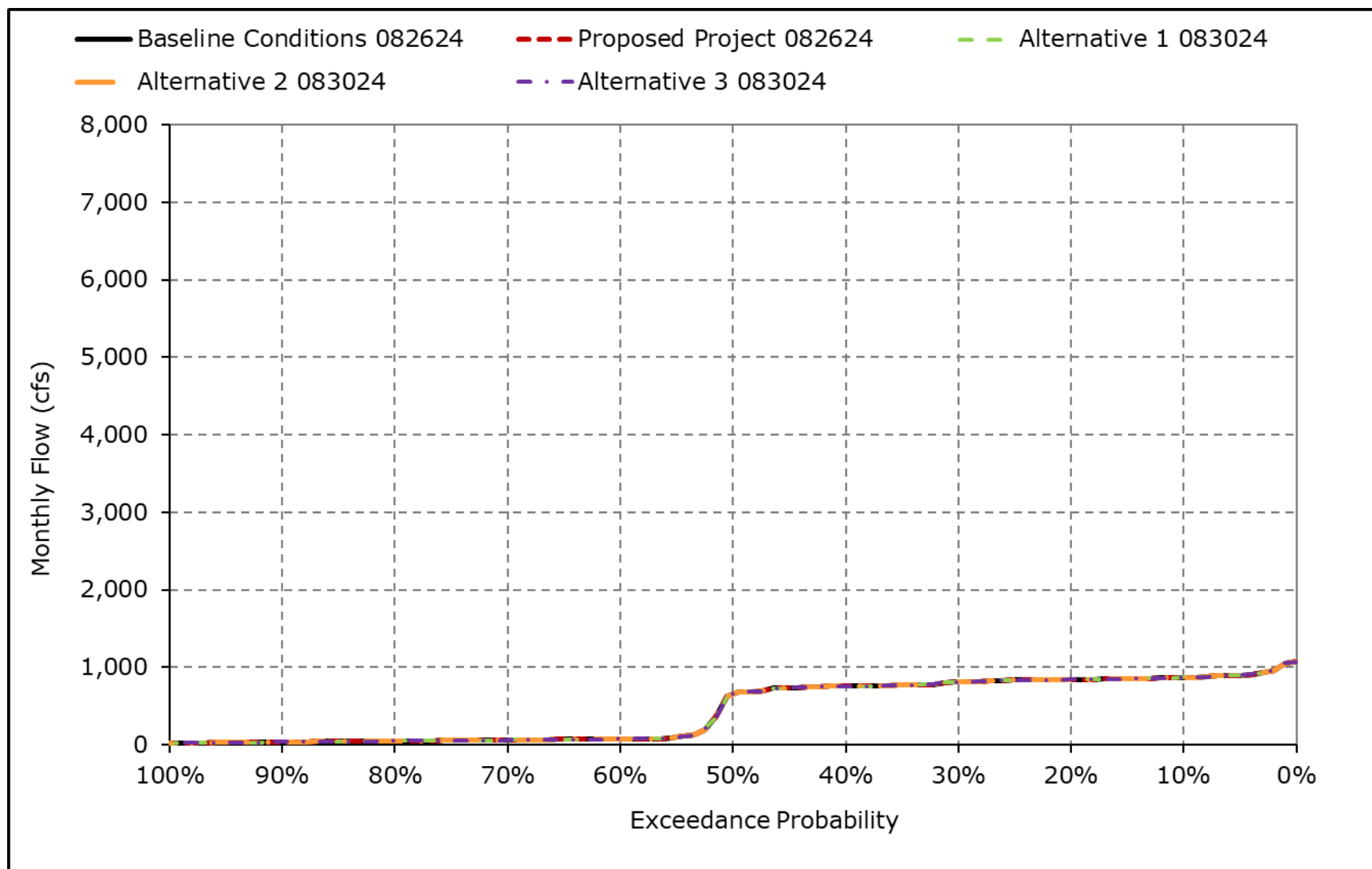
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-3-7q. Mokelumne River below Cosumnes, August



*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-3-7r. Mokelumne River below Cosumnes, September



*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Table 4C-3-8-1a. Old and Middle River Flow, Baseline Conditions 082624, Monthly Flow (combined flows)(cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-2,274	-1,649	-2,406	-2,131	-1,898	-1,346	1,295	378	-1,804	-2,912	-2,356	-3,403
20% Exceedance	-3,666	-3,268	-3,217	-3,645	-4,292	-2,829	244	-449	-3,630	-5,028	-3,284	-4,197
30% Exceedance	-4,046	-3,960	-4,910	-3,645	-4,329	-3,370	-268	-976	-4,388	-7,261	-4,497	-5,031
40% Exceedance	-4,731	-5,828	-5,290	-3,645	-4,329	-3,409	-526	-1,386	-4,544	-8,783	-7,286	-5,664
50% Exceedance	-5,332	-6,717	-5,290	-4,516	-4,464	-3,413	-754	-1,595	-4,839	-9,595	-9,097	-6,322
60% Exceedance	-5,847	-8,370	-5,290	-4,516	-4,464	-3,425	-1,059	-1,728	-5,000	-10,065	-9,607	-7,669
70% Exceedance	-6,348	-8,874	-5,290	-4,516	-4,464	-3,442	-1,262	-1,998	-5,000	-10,775	-10,252	-8,624
80% Exceedance	-7,357	-9,131	-6,062	-4,608	-4,483	-4,191	-1,413	-2,405	-5,000	-11,108	-10,585	-9,394
90% Exceedance	-8,501	-9,492	-8,156	-5,000	-4,963	-4,196	-1,873	-3,587	-5,000	-11,401	-11,155	-9,911
Full Simulation Period Average ^a	-5,339	-6,250	-5,185	-3,569	-3,743	-2,825	-493	-1,445	-4,138	-8,442	-7,480	-6,690
Wet Water Years (32%)	-6,285	-7,266	-5,452	-2,870	-2,540	-1,398	-677	-2,092	-3,976	-9,344	-9,910	-8,390
Above Normal Water Years (9%)	-4,689	-6,826	-6,718	-4,183	-4,331	-3,391	-735	-2,338	-4,820	-9,926	-10,090	-6,690
Below Normal Water Years (20%)	-5,629	-6,728	-5,134	-4,167	-4,301	-3,666	516	-585	-4,842	-10,771	-9,792	-8,294
Dry Water Years (21%)	-5,146	-6,261	-5,156	-4,097	-4,421	-3,902	-767	-1,020	-4,859	-8,634	-4,813	-5,392
Critical Water Years (18%)	-3,887	-3,609	-4,032	-3,222	-4,177	-2,887	-845	-1,299	-2,459	-3,286	-2,396	-3,400

Table 4C-3-8-1b. Old and Middle River Flow, Proposed Project 082624, Monthly Flow (combined flows)(cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-2,516	-1,692	-2,423	-2,586	-2,368	-1,329	1,091	-870	-1,884	-2,930	-2,318	-3,425
20% Exceedance	-3,589	-3,262	-3,385	-3,328	-3,589	-2,636	167	-1,055	-3,611	-5,169	-3,332	-4,185
30% Exceedance	-3,998	-3,979	-5,136	-3,570	-3,742	-2,672	-363	-1,319	-4,115	-7,418	-4,851	-4,987
40% Exceedance	-4,652	-5,679	-5,290	-3,645	-3,894	-2,745	-564	-1,503	-4,115	-8,784	-7,495	-5,787
50% Exceedance	-5,363	-6,792	-5,290	-4,053	-3,963	-3,075	-932	-1,789	-4,183	-9,518	-9,477	-6,484
60% Exceedance	-5,804	-8,370	-5,290	-4,235	-4,058	-3,478	-1,078	-2,066	-4,310	-10,405	-10,152	-7,830
70% Exceedance	-6,281	-8,875	-5,290	-4,395	-4,265	-3,795	-1,351	-3,262	-4,310	-10,997	-10,691	-9,264
80% Exceedance	-6,838	-9,132	-6,126	-4,489	-4,357	-3,820	-1,895	-3,755	-4,400	-11,231	-11,012	-9,949
90% Exceedance	-8,447	-9,493	-8,114	-4,700	-4,379	-4,236	-2,346	-3,971	-4,400	-11,428	-11,483	-10,823
Full Simulation Period Average ^a	-5,288	-6,228	-5,184	-3,468	-3,405	-2,630	-734	-2,096	-3,707	-8,533	-7,773	-6,953
Wet Water Years (32%)	-6,194	-7,206	-5,487	-2,752	-2,463	-1,674	-1,086	-2,918	-3,430	-9,420	-10,286	-9,357
Above Normal Water Years (9%)	-4,461	-6,814	-6,854	-4,010	-3,946	-3,031	-1,229	-3,350	-4,119	-10,313	-10,582	-7,331
Below Normal Water Years (20%)	-5,446	-6,749	-5,142	-3,992	-3,852	-3,026	135	-1,587	-4,306	-10,726	-10,186	-7,888
Dry Water Years (21%)	-5,309	-6,286	-5,018	-4,091	-3,862	-3,417	-640	-1,328	-4,384	-8,853	-5,035	-5,301
Critical Water Years (18%)	-3,890	-3,550	-4,053	-3,159	-3,777	-2,772	-939	-1,471	-2,536	-3,258	-2,414	-3,376

Table 4C-3-8-1c. Old and Middle River Flow, Proposed Project 082624 minus Baseline Conditions 082624, Monthly Flow (combined flows)(cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-243	-43	-17	-455	-470	17	-204	-1,248	-79	-18	38	-22
20% Exceedance	76	6	-168	318	702	193	-77	-606	19	-141	-49	12
30% Exceedance	48	-19	-226	75	587	698	-95	-343	273	-158	-355	44
40% Exceedance	79	149	0	0	434	664	-38	-117	429	-1	-208	-123
50% Exceedance	-31	-75	0	463	501	338	-178	-194	656	77	-380	-162
60% Exceedance	43	0	0	281	406	-53	-19	-338	690	-340	-545	-161
70% Exceedance	67	-1	0	121	199	-354	-89	-1,264	690	-222	-439	-640
80% Exceedance	520	-1	-65	119	126	371	-482	-1,349	600	-123	-426	-556
90% Exceedance	54	-1	42	300	584	-40	-473	-384	600	-26	-328	-912
Full Simulation Period Average ^a	52	22	0	101	338	194	-242	-651	431	-91	-293	-263
Wet Water Years (32%)	91	60	-35	118	77	-276	-409	-826	546	-76	-376	-968
Above Normal Water Years (9%)	229	13	-136	173	385	360	-494	-1,012	701	-387	-491	-642
Below Normal Water Years (20%)	183	-20	-8	175	449	639	-381	-1,002	536	45	-394	406
Dry Water Years (21%)	-163	-25	139	5	558	485	127	-309	475	-219	-222	91
Critical Water Years (18%)	-3	59	-21	63	400	115	-94	-172	-77	28	-17	24

^a Based on the 100-year simulation period.

* All scenarios are simulated at current climate condition and 0 cm sea level rise.

* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with water year - year type sorting.

Table 4C-3-8-2a. Old and Middle River Flow, Baseline Conditions 082624, Monthly Flow (combined flows)(cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-2,274	-1,649	-2,406	-2,131	-1,898	-1,346	1,295	378	-1,804	-2,912	-2,356	-3,403
20% Exceedance	-3,666	-3,268	-3,217	-3,645	-4,292	-2,829	244	-449	-3,630	-5,028	-3,284	-4,197
30% Exceedance	-4,046	-3,960	-4,910	-3,645	-4,329	-3,370	-268	-976	-4,388	-7,261	-4,497	-5,031
40% Exceedance	-4,731	-5,828	-5,290	-3,645	-4,329	-3,409	-526	-1,386	-4,544	-8,783	-7,286	-5,664
50% Exceedance	-5,332	-6,717	-5,290	-4,516	-4,464	-3,413	-754	-1,595	-4,839	-9,595	-9,097	-6,322
60% Exceedance	-5,847	-8,370	-5,290	-4,516	-4,464	-3,425	-1,059	-1,728	-5,000	-10,065	-9,607	-7,669
70% Exceedance	-6,348	-8,874	-5,290	-4,516	-4,464	-3,442	-1,262	-1,998	-5,000	-10,775	-10,252	-8,624
80% Exceedance	-7,357	-9,131	-6,062	-4,608	-4,483	-4,191	-1,413	-2,405	-5,000	-11,108	-10,585	-9,394
90% Exceedance	-8,501	-9,492	-8,156	-5,000	-4,963	-4,196	-1,873	-3,587	-5,000	-11,401	-11,155	-9,911
Full Simulation Period Average ^a	-5,339	-6,250	-5,185	-3,569	-3,743	-2,825	-493	-1,445	-4,138	-8,442	-7,480	-6,690
Wet Water Years (32%)	-6,285	-7,266	-5,452	-2,870	-2,540	-1,398	-677	-2,092	-3,976	-9,344	-9,910	-8,390
Above Normal Water Years (9%)	-4,689	-6,826	-6,718	-4,183	-4,331	-3,391	-735	-2,338	-4,820	-9,926	-10,090	-6,690
Below Normal Water Years (20%)	-5,629	-6,728	-5,134	-4,167	-4,301	-3,666	516	-585	-4,842	-10,771	-9,792	-8,294
Dry Water Years (21%)	-5,146	-6,261	-5,156	-4,097	-4,421	-3,902	-767	-1,020	-4,859	-8,634	-4,813	-5,392
Critical Water Years (18%)	-3,887	-3,609	-4,032	-3,222	-4,177	-2,887	-845	-1,299	-2,459	-3,286	-2,396	-3,400

Table 4C-3-8-2b. Old and Middle River Flow, Alternative 1 083024, Monthly Flow (combined flows)(cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-2,516	-1,698	-2,489	-2,515	-2,369	-1,329	847	-870	-1,983	-3,126	-2,319	-3,479
20% Exceedance	-3,579	-3,261	-3,385	-3,333	-3,589	-2,603	167	-1,055	-3,611	-5,173	-3,333	-4,174
30% Exceedance	-3,999	-4,013	-4,750	-3,570	-3,742	-2,672	-363	-1,319	-4,115	-7,291	-4,884	-4,983
40% Exceedance	-4,642	-5,809	-5,290	-3,645	-3,894	-2,745	-564	-1,500	-4,115	-8,783	-7,495	-5,784
50% Exceedance	-5,356	-6,800	-5,290	-4,052	-3,963	-2,987	-932	-1,789	-4,183	-9,516	-9,470	-6,421
60% Exceedance	-5,814	-8,370	-5,290	-4,235	-4,058	-3,478	-1,078	-2,066	-4,310	-10,401	-10,111	-7,819
70% Exceedance	-6,287	-8,875	-5,290	-4,395	-4,265	-3,795	-1,351	-3,263	-4,310	-10,972	-10,729	-9,262
80% Exceedance	-6,829	-9,132	-6,132	-4,508	-4,357	-3,820	-1,896	-3,755	-4,400	-11,231	-11,011	-9,950
90% Exceedance	-8,446	-9,493	-7,988	-4,700	-4,379	-4,188	-2,346	-3,971	-4,400	-11,427	-11,483	-10,835
Full Simulation Period Average ^a	-5,288	-6,241	-5,135	-3,469	-3,404	-2,589	-738	-2,096	-3,710	-8,540	-7,775	-6,958
Wet Water Years (32%)	-6,186	-7,213	-5,436	-2,751	-2,461	-1,546	-1,096	-2,918	-3,430	-9,419	-10,286	-9,357
Above Normal Water Years (9%)	-4,459	-6,815	-6,769	-4,010	-3,946	-3,031	-1,230	-3,350	-4,119	-10,326	-10,605	-7,305
Below Normal Water Years (20%)	-5,450	-6,764	-5,096	-3,995	-3,852	-3,026	135	-1,587	-4,306	-10,723	-10,168	-7,894
Dry Water Years (21%)	-5,321	-6,294	-5,004	-4,092	-3,862	-3,417	-640	-1,329	-4,384	-8,841	-5,047	-5,291
Critical Water Years (18%)	-3,888	-3,585	-3,981	-3,164	-3,777	-2,772	-938	-1,471	-2,555	-3,306	-2,419	-3,422

Table 4C-3-8-2c. Old and Middle River Flow, Alternative 1 083024 minus Baseline Conditions 082624, Monthly Flow (combined flows)(cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-242	-49	-83	-384	-471	18	-448	-1,248	-179	-214	37	-76
20% Exceedance	87	7	-168	313	702	225	-77	-606	19	-145	-49	23
30% Exceedance	47	-53	160	75	587	698	-95	-343	273	-31	-388	47
40% Exceedance	89	20	0	0	434	664	-38	-114	429	0	-209	-120
50% Exceedance	-24	-83	0	464	501	426	-178	-194	656	78	-373	-98
60% Exceedance	33	1	0	281	406	-53	-19	-338	690	-336	-504	-149
70% Exceedance	61	-1	0	121	199	-354	-89	-1,264	690	-197	-477	-638
80% Exceedance	528	-1	-71	99	126	371	-482	-1,349	600	-123	-426	-556
90% Exceedance	55	0	168	300	584	8	-473	-385	600	-26	-328	-924
Full Simulation Period Average ^a	51	8	50	100	339	235	-245	-651	427	-98	-295	-268
Wet Water Years (32%)	99	53	16	119	79	-148	-419	-825	546	-76	-375	-968
Above Normal Water Years (9%)	230	12	-51	173	385	360	-494	-1,012	701	-400	-514	-615
Below Normal Water Years (20%)	179	-36	39	172	449	639	-381	-1,002	536	48	-376	400
Dry Water Years (21%)	-175	-33	152	4	558	485	127	-309	475	-207	-234	101
Critical Water Years (18%)	-1	24	51	58	400	115	-93	-172	-96	-20	-23	-22

^a Based on the 100-year simulation period.

* All scenarios are simulated at current climate condition and 0 cm sea level rise.

* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with water year - year type sorting.

Table 4C-3-8-3a. Old and Middle River Flow, Baseline Conditions 082624, Monthly Flow (combined flows)(cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-2,274	-1,649	-2,406	-2,131	-1,898	-1,346	1,295	378	-1,804	-2,912	-2,356	-3,403
20% Exceedance	-3,666	-3,268	-3,217	-3,645	-4,292	-2,829	244	-449	-3,630	-5,028	-3,284	-4,197
30% Exceedance	-4,046	-3,960	-4,910	-3,645	-4,329	-3,370	-268	-976	-4,388	-7,261	-4,497	-5,031
40% Exceedance	-4,731	-5,828	-5,290	-3,645	-4,329	-3,409	-526	-1,386	-4,544	-8,783	-7,286	-5,664
50% Exceedance	-5,332	-6,717	-5,290	-4,516	-4,464	-3,413	-754	-1,595	-4,839	-9,595	-9,097	-6,322
60% Exceedance	-5,847	-8,370	-5,290	-4,516	-4,464	-3,425	-1,059	-1,728	-5,000	-10,065	-9,607	-7,669
70% Exceedance	-6,348	-8,874	-5,290	-4,516	-4,464	-3,442	-1,262	-1,998	-5,000	-10,775	-10,252	-8,624
80% Exceedance	-7,357	-9,131	-6,062	-4,608	-4,483	-4,191	-1,413	-2,405	-5,000	-11,108	-10,585	-9,394
90% Exceedance	-8,501	-9,492	-8,156	-5,000	-4,963	-4,196	-1,873	-3,587	-5,000	-11,401	-11,155	-9,911
Full Simulation Period Average ^a	-5,339	-6,250	-5,185	-3,569	-3,743	-2,825	-493	-1,445	-4,138	-8,442	-7,480	-6,690
Wet Water Years (32%)	-6,285	-7,266	-5,452	-2,870	-2,540	-1,398	-677	-2,092	-3,976	-9,344	-9,910	-8,390
Above Normal Water Years (9%)	-4,689	-6,826	-6,718	-4,183	-4,331	-3,391	-735	-2,338	-4,820	-9,926	-10,090	-6,690
Below Normal Water Years (20%)	-5,629	-6,728	-5,134	-4,167	-4,301	-3,666	516	-585	-4,842	-10,771	-9,792	-8,294
Dry Water Years (21%)	-5,146	-6,261	-5,156	-4,097	-4,421	-3,902	-767	-1,020	-4,859	-8,634	-4,813	-5,392
Critical Water Years (18%)	-3,887	-3,609	-4,032	-3,222	-4,177	-2,887	-845	-1,299	-2,459	-3,286	-2,396	-3,400

Table 4C-3-8-3b. Old and Middle River Flow, Alternative 2 083024, Monthly Flow (combined flows)(cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-2,516	-1,703	-2,428	-2,577	-2,369	-1,328	1,091	-870	-1,983	-3,126	-2,316	-3,424
20% Exceedance	-3,598	-3,245	-3,388	-3,333	-3,589	-2,636	167	-1,055	-3,611	-5,173	-3,332	-4,174
30% Exceedance	-3,999	-4,013	-4,901	-3,569	-3,742	-2,672	-363	-1,319	-4,115	-7,291	-4,884	-4,984
40% Exceedance	-4,642	-5,689	-5,290	-3,645	-3,894	-2,745	-564	-1,503	-4,115	-8,783	-7,493	-5,784
50% Exceedance	-5,356	-6,799	-5,290	-4,052	-3,963	-3,075	-932	-1,789	-4,183	-9,575	-9,471	-6,432
60% Exceedance	-5,818	-8,370	-5,290	-4,235	-4,058	-3,493	-1,078	-2,066	-4,310	-10,406	-10,111	-7,819
70% Exceedance	-6,287	-8,875	-5,290	-4,395	-4,265	-3,795	-1,351	-3,263	-4,310	-10,975	-10,690	-9,257
80% Exceedance	-6,836	-9,132	-6,126	-4,508	-4,357	-3,820	-1,896	-3,755	-4,400	-11,231	-11,012	-9,949
90% Exceedance	-8,446	-9,493	-8,117	-4,700	-4,379	-4,236	-2,346	-3,971	-4,400	-11,427	-11,484	-10,835
Full Simulation Period Average ^a	-5,286	-6,234	-5,163	-3,469	-3,404	-2,633	-735	-2,096	-3,710	-8,550	-7,776	-6,961
Wet Water Years (32%)	-6,184	-7,207	-5,475	-2,752	-2,461	-1,684	-1,086	-2,915	-3,430	-9,419	-10,286	-9,357
Above Normal Water Years (9%)	-4,458	-6,815	-6,853	-4,010	-3,946	-3,031	-1,230	-3,350	-4,119	-10,326	-10,571	-7,337
Below Normal Water Years (20%)	-5,446	-6,764	-5,138	-3,995	-3,852	-3,026	135	-1,587	-4,306	-10,722	-10,170	-7,900
Dry Water Years (21%)	-5,317	-6,269	-5,006	-4,085	-3,862	-3,417	-640	-1,329	-4,384	-8,875	-5,065	-5,294
Critical Water Years (18%)	-3,890	-3,585	-3,974	-3,169	-3,777	-2,772	-939	-1,471	-2,555	-3,323	-2,421	-3,418

Table 4C-3-8-3c. Old and Middle River Flow, Alternative 2 083024 minus Baseline Conditions 082624, Monthly Flow (combined flows)(cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-242	-54	-22	-446	-471	18	-204	-1,248	-179	-214	39	-22
20% Exceedance	68	23	-171	313	702	193	-77	-606	19	-145	-48	23
30% Exceedance	47	-53	9	76	587	698	-95	-343	273	-31	-387	47
40% Exceedance	89	139	0	0	434	664	-38	-117	429	0	-207	-120
50% Exceedance	-24	-82	0	464	501	338	-178	-194	656	20	-374	-110
60% Exceedance	29	1	0	281	406	-68	-19	-338	690	-341	-504	-150
70% Exceedance	61	-1	0	121	199	-354	-89	-1,264	690	-200	-438	-633
80% Exceedance	522	-1	-64	99	126	371	-482	-1,349	600	-124	-426	-556
90% Exceedance	54	0	39	300	584	-40	-473	-384	600	-26	-329	-923
Full Simulation Period Average ^a	53	15	22	100	339	191	-242	-651	427	-108	-296	-272
Wet Water Years (32%)	100	59	-23	118	79	-286	-409	-823	546	-76	-376	-967
Above Normal Water Years (9%)	231	12	-136	173	385	360	-494	-1,012	701	-400	-480	-648
Below Normal Water Years (20%)	183	-36	-4	173	449	639	-381	-1,002	536	49	-378	394
Dry Water Years (21%)	-171	-8	150	12	558	485	127	-310	475	-241	-252	98
Critical Water Years (18%)	-3	24	59	53	400	115	-94	-172	-97	-37	-25	-18

^a Based on the 100-year simulation period.

* All scenarios are simulated at current climate condition and 0 cm sea level rise.

* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with water year - year type sorting.

Table 4C-3-8-4a. Old and Middle River Flow, Baseline Conditions 082624, Monthly Flow (combined flows)(cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-2,274	-1,649	-2,406	-2,131	-1,898	-1,346	1,295	378	-1,804	-2,912	-2,356	-3,403
20% Exceedance	-3,666	-3,268	-3,217	-3,645	-4,292	-2,829	244	-449	-3,630	-5,028	-3,284	-4,197
30% Exceedance	-4,046	-3,960	-4,910	-3,645	-4,329	-3,370	-268	-976	-4,388	-7,261	-4,497	-5,031
40% Exceedance	-4,731	-5,828	-5,290	-3,645	-4,329	-3,409	-526	-1,386	-4,544	-8,783	-7,286	-5,664
50% Exceedance	-5,332	-6,717	-5,290	-4,516	-4,464	-3,413	-754	-1,595	-4,839	-9,595	-9,097	-6,322
60% Exceedance	-5,847	-8,370	-5,290	-4,516	-4,464	-3,425	-1,059	-1,728	-5,000	-10,065	-9,607	-7,669
70% Exceedance	-6,348	-8,874	-5,290	-4,516	-4,464	-3,442	-1,262	-1,998	-5,000	-10,775	-10,252	-8,624
80% Exceedance	-7,357	-9,131	-6,062	-4,608	-4,483	-4,191	-1,413	-2,405	-5,000	-11,108	-10,585	-9,394
90% Exceedance	-8,501	-9,492	-8,156	-5,000	-4,963	-4,196	-1,873	-3,587	-5,000	-11,401	-11,155	-9,911
Full Simulation Period Average ^a	-5,339	-6,250	-5,185	-3,569	-3,743	-2,825	-493	-1,445	-4,138	-8,442	-7,480	-6,690
Wet Water Years (32%)	-6,285	-7,266	-5,452	-2,870	-2,540	-1,398	-677	-2,092	-3,976	-9,344	-9,910	-8,390
Above Normal Water Years (9%)	-4,689	-6,826	-6,718	-4,183	-4,331	-3,391	-735	-2,338	-4,820	-9,926	-10,090	-6,690
Below Normal Water Years (20%)	-5,629	-6,728	-5,134	-4,167	-4,301	-3,666	516	-585	-4,842	-10,771	-9,792	-8,294
Dry Water Years (21%)	-5,146	-6,261	-5,156	-4,097	-4,421	-3,902	-767	-1,020	-4,859	-8,634	-4,813	-5,392
Critical Water Years (18%)	-3,887	-3,609	-4,032	-3,222	-4,177	-2,887	-845	-1,299	-2,459	-3,286	-2,396	-3,400

Table 4C-3-8-4b. Old and Middle River Flow, Alternative 3 083024, Monthly Flow (combined flows)(cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-2,516	-1,697	-2,426	-2,583	-2,368	-1,329	846	-870	-1,968	-3,064	-2,319	-3,431
20% Exceedance	-3,594	-3,264	-3,384	-3,327	-3,589	-2,605	167	-1,055	-3,611	-5,170	-3,333	-4,185
30% Exceedance	-3,999	-3,977	-4,903	-3,570	-3,742	-2,672	-364	-1,319	-4,115	-7,443	-4,851	-4,986
40% Exceedance	-4,653	-5,801	-5,290	-3,645	-3,894	-2,745	-564	-1,499	-4,115	-8,784	-7,495	-5,789
50% Exceedance	-5,362	-6,793	-5,290	-4,052	-3,963	-2,986	-932	-1,789	-4,183	-9,518	-9,477	-6,493
60% Exceedance	-5,828	-8,328	-5,290	-4,235	-4,058	-3,478	-1,078	-2,066	-4,310	-10,405	-10,152	-7,830
70% Exceedance	-6,289	-8,875	-5,290	-4,395	-4,265	-3,795	-1,351	-3,263	-4,310	-10,995	-10,728	-9,269
80% Exceedance	-6,829	-9,132	-6,126	-4,507	-4,357	-3,820	-1,896	-3,755	-4,400	-11,231	-11,012	-9,949
90% Exceedance	-8,447	-9,493	-8,056	-4,700	-4,379	-4,190	-2,346	-3,971	-4,400	-11,428	-11,483	-10,823
Full Simulation Period Average ^a	-5,291	-6,229	-5,154	-3,471	-3,405	-2,590	-739	-2,095	-3,709	-8,533	-7,777	-6,951
Wet Water Years (32%)	-6,196	-7,213	-5,449	-2,751	-2,463	-1,551	-1,099	-2,915	-3,430	-9,420	-10,287	-9,358
Above Normal Water Years (9%)	-4,457	-6,815	-6,768	-4,010	-3,946	-3,031	-1,230	-3,350	-4,119	-10,313	-10,615	-7,299
Below Normal Water Years (20%)	-5,447	-6,748	-5,101	-3,992	-3,852	-3,026	135	-1,587	-4,306	-10,728	-10,185	-7,895
Dry Water Years (21%)	-5,320	-6,285	-5,005	-4,092	-3,862	-3,417	-640	-1,328	-4,384	-8,845	-5,034	-5,302
Critical Water Years (18%)	-3,890	-3,544	-4,054	-3,175	-3,777	-2,769	-938	-1,471	-2,549	-3,264	-2,419	-3,375

Table 4C-3-8-4c. Old and Middle River Flow, Alternative 3 083024 minus Baseline Conditions 082624, Monthly Flow (combined flows)(cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-242	-48	-20	-452	-470	18	-449	-1,248	-164	-152	36	-28
20% Exceedance	71	4	-167	318	702	223	-77	-606	19	-141	-49	12
30% Exceedance	47	-17	7	76	587	698	-96	-343	273	-183	-355	44
40% Exceedance	78	28	0	0	434	664	-38	-114	429	-1	-209	-125
50% Exceedance	-31	-75	0	464	501	427	-178	-194	656	77	-380	-171
60% Exceedance	19	43	0	281	406	-53	-19	-338	690	-340	-545	-161
70% Exceedance	59	-1	0	121	199	-354	-89	-1,264	690	-220	-476	-645
80% Exceedance	529	-1	-64	100	126	371	-482	-1,349	600	-123	-426	-556
90% Exceedance	54	-1	100	300	584	6	-473	-385	600	-26	-329	-912
Full Simulation Period Average ^a	49	21	31	98	338	234	-246	-651	429	-91	-297	-262
Wet Water Years (32%)	89	53	3	119	77	-154	-423	-823	546	-76	-377	-968
Above Normal Water Years (9%)	233	11	-51	173	385	360	-494	-1,012	701	-387	-525	-609
Below Normal Water Years (20%)	182	-20	33	175	449	639	-381	-1,002	536	43	-393	399
Dry Water Years (21%)	-174	-24	152	4	558	485	127	-309	475	-211	-222	90
Critical Water Years (18%)	-3	65	-22	47	400	118	-93	-172	-90	22	-22	24

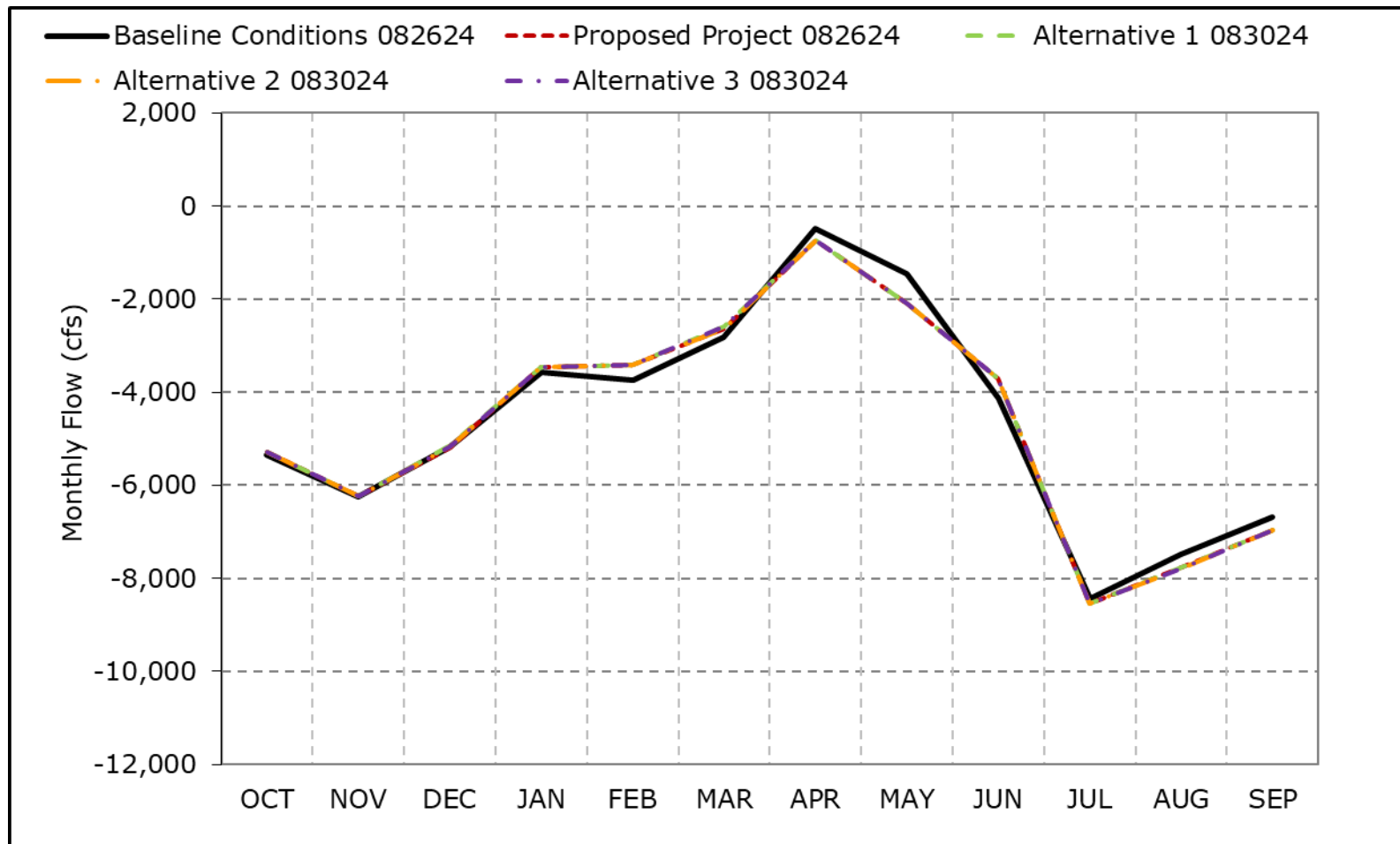
^a Based on the 100-year simulation period.

* All scenarios are simulated at current climate condition and 0 cm sea level rise.

* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with water year - year type sorting.

Figure 4C-3-8a. Old and Middle River Flow, Long-Term Average Flow

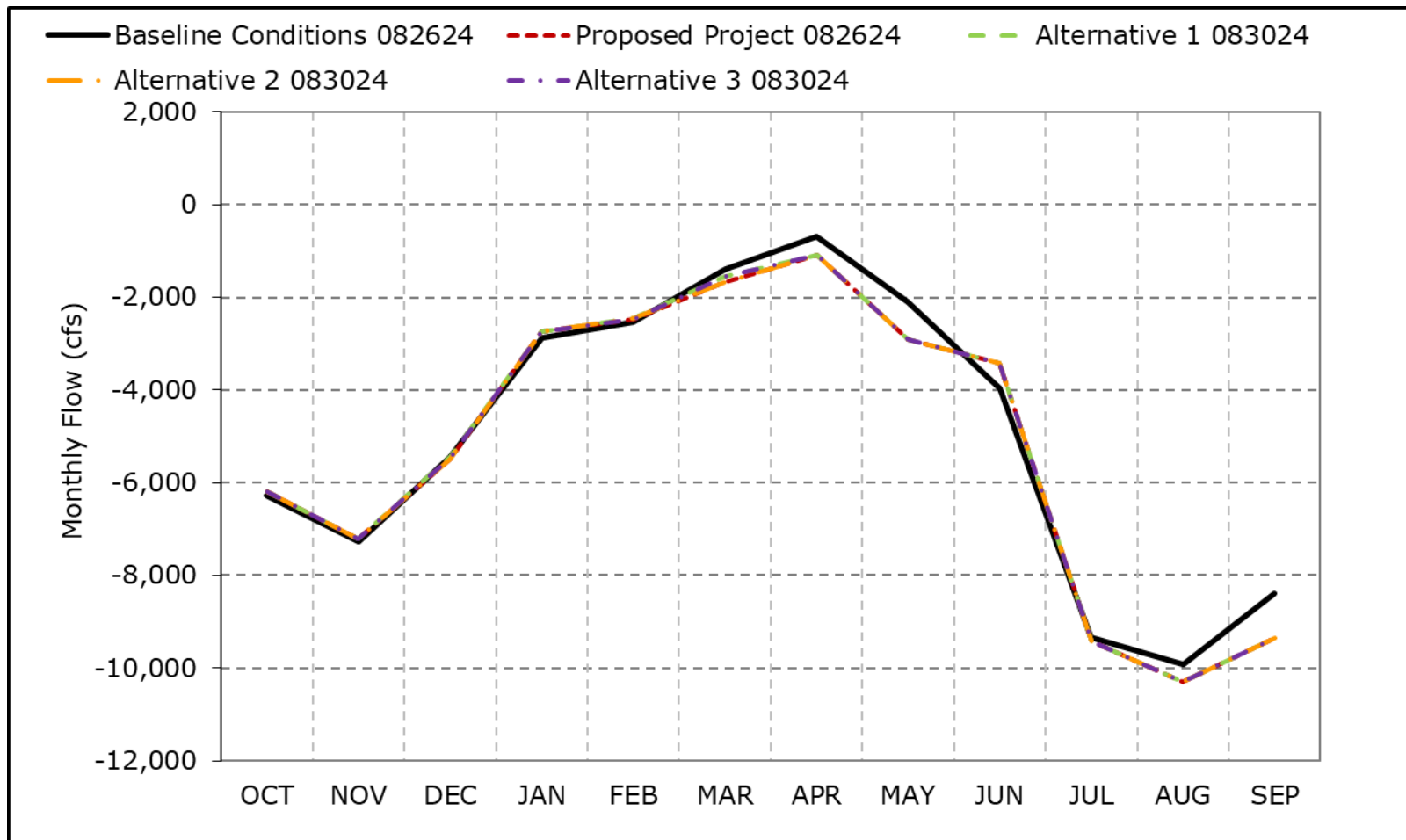


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with water year - year type sorting.

*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-3-8b. Old and Middle River Flow, Wet Year Average Flow

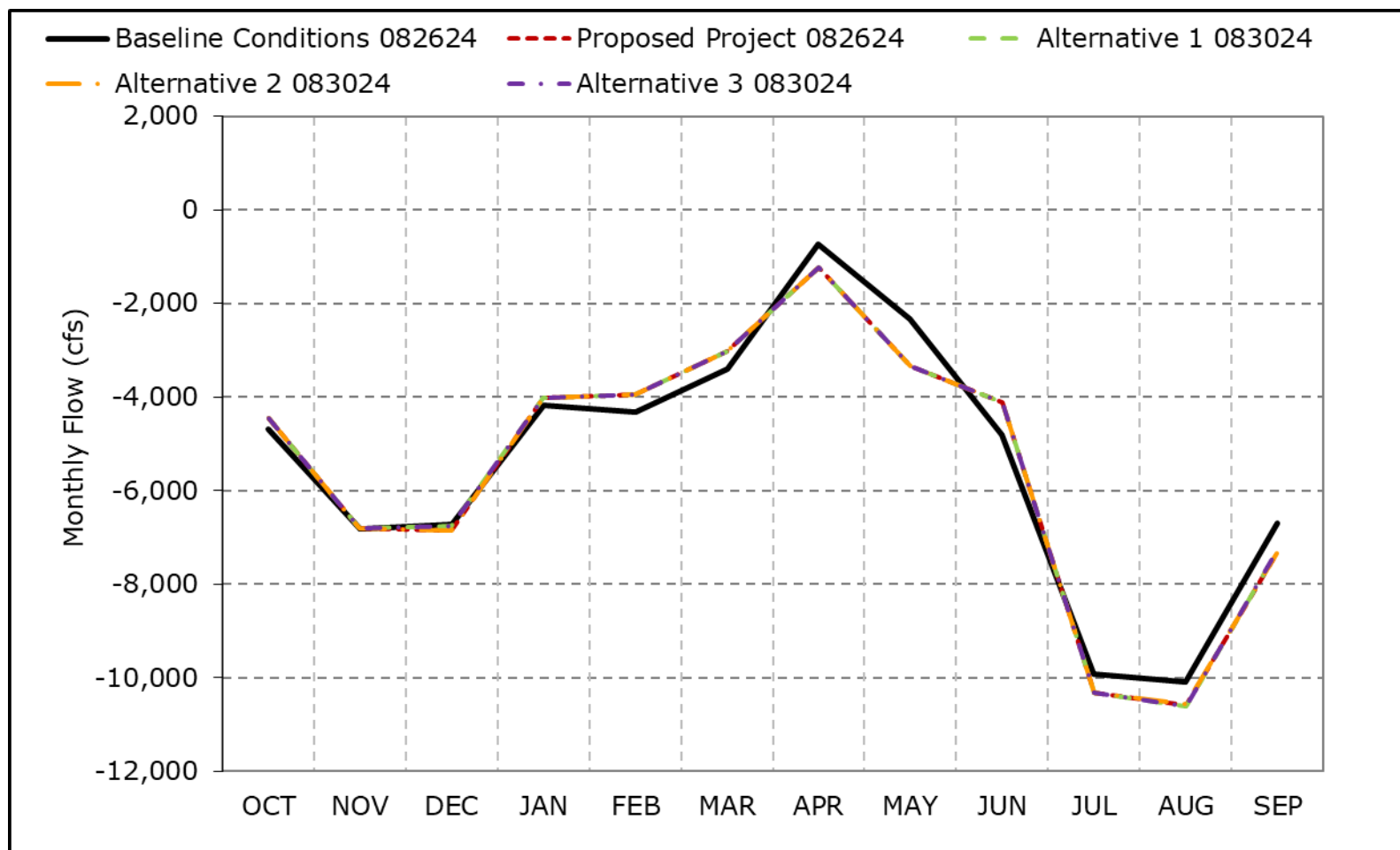


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with water year - year type sorting.

*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-3-8c. Old and Middle River Flow, Above Normal Year Average Flow

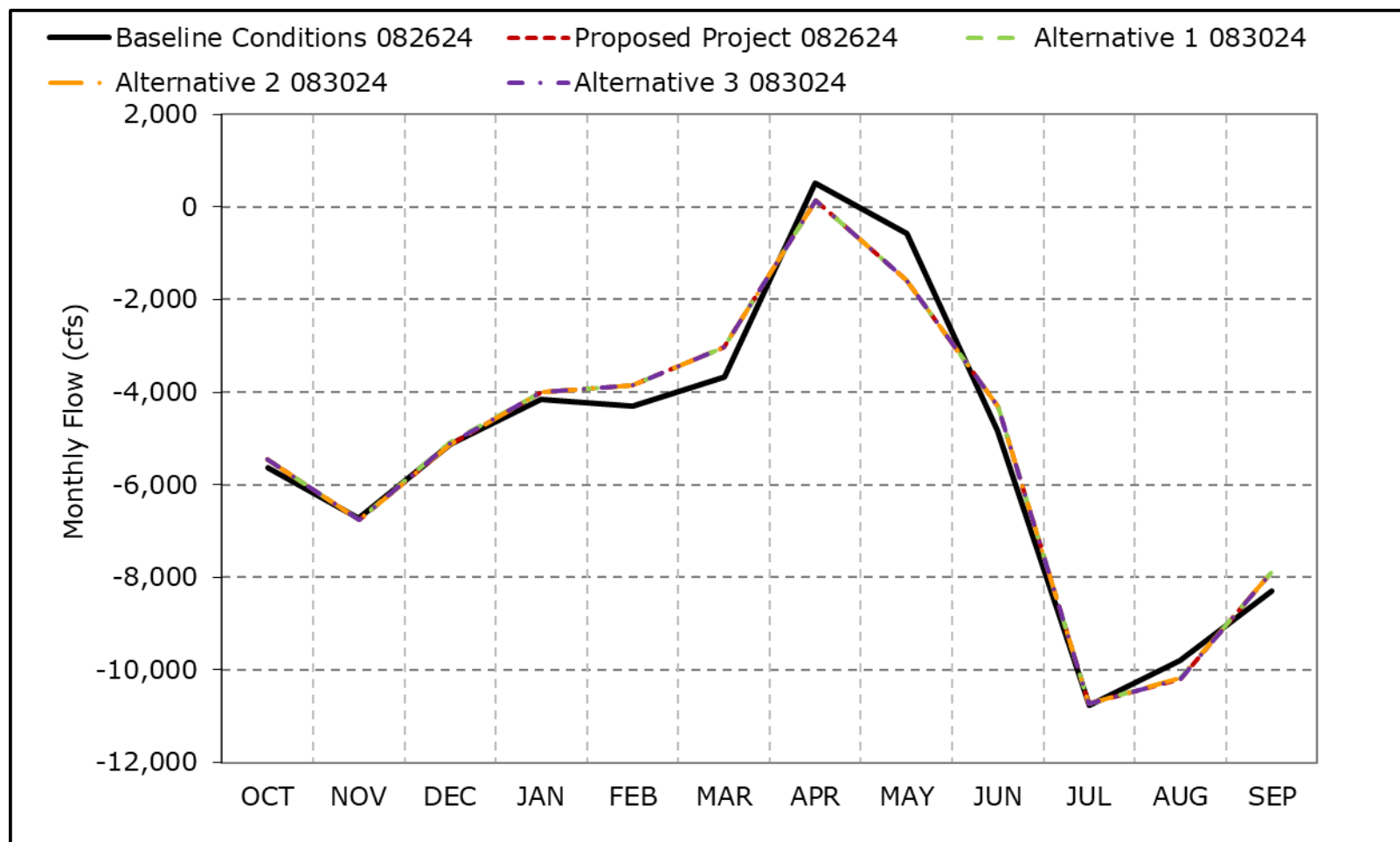


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with water year - year type sorting.

*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-3-8d. Old and Middle River Flow, Below Normal Year Average Flow

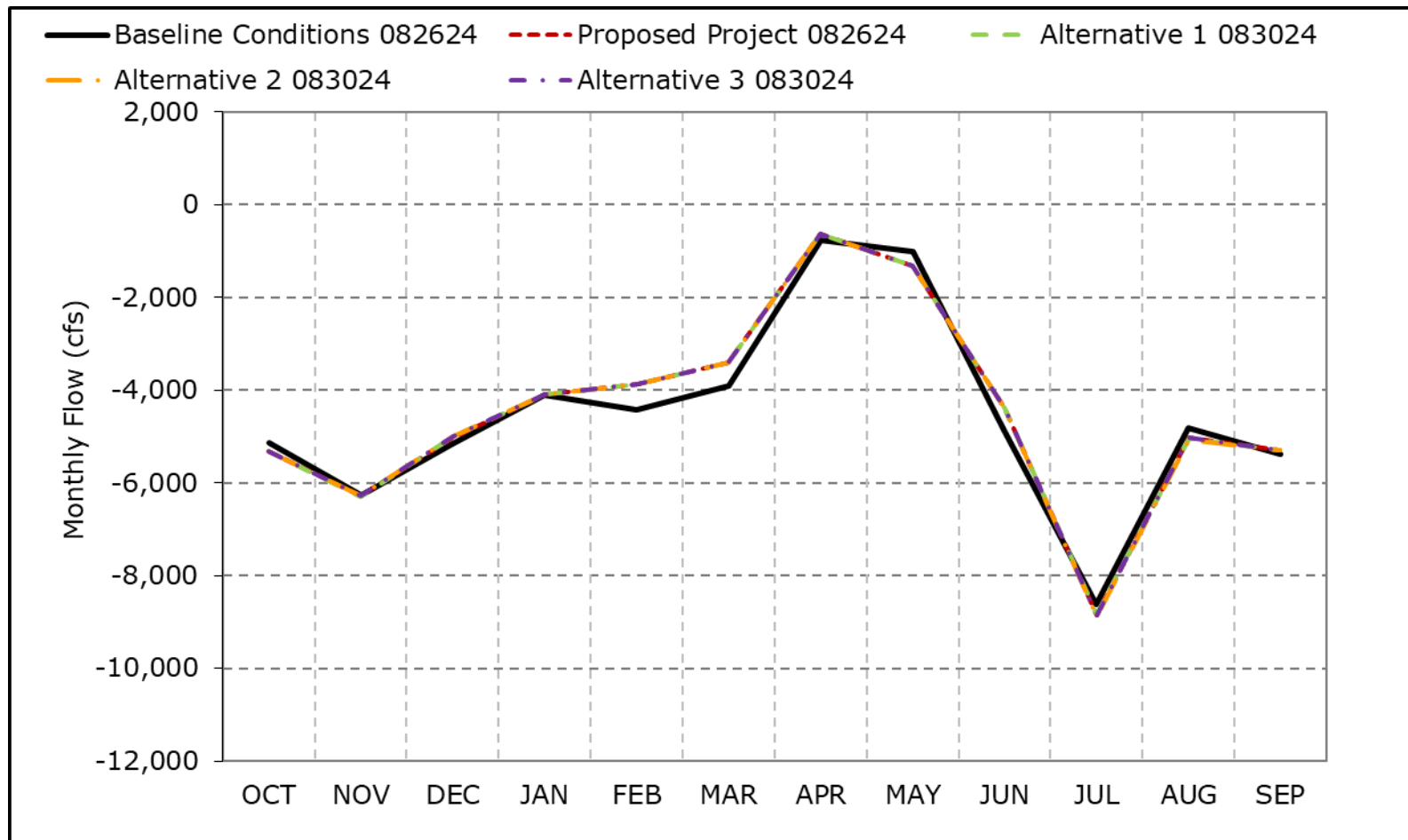


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with water year - year type sorting.

*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-3-8e. Old and Middle River Flow, Dry Year Average Flow

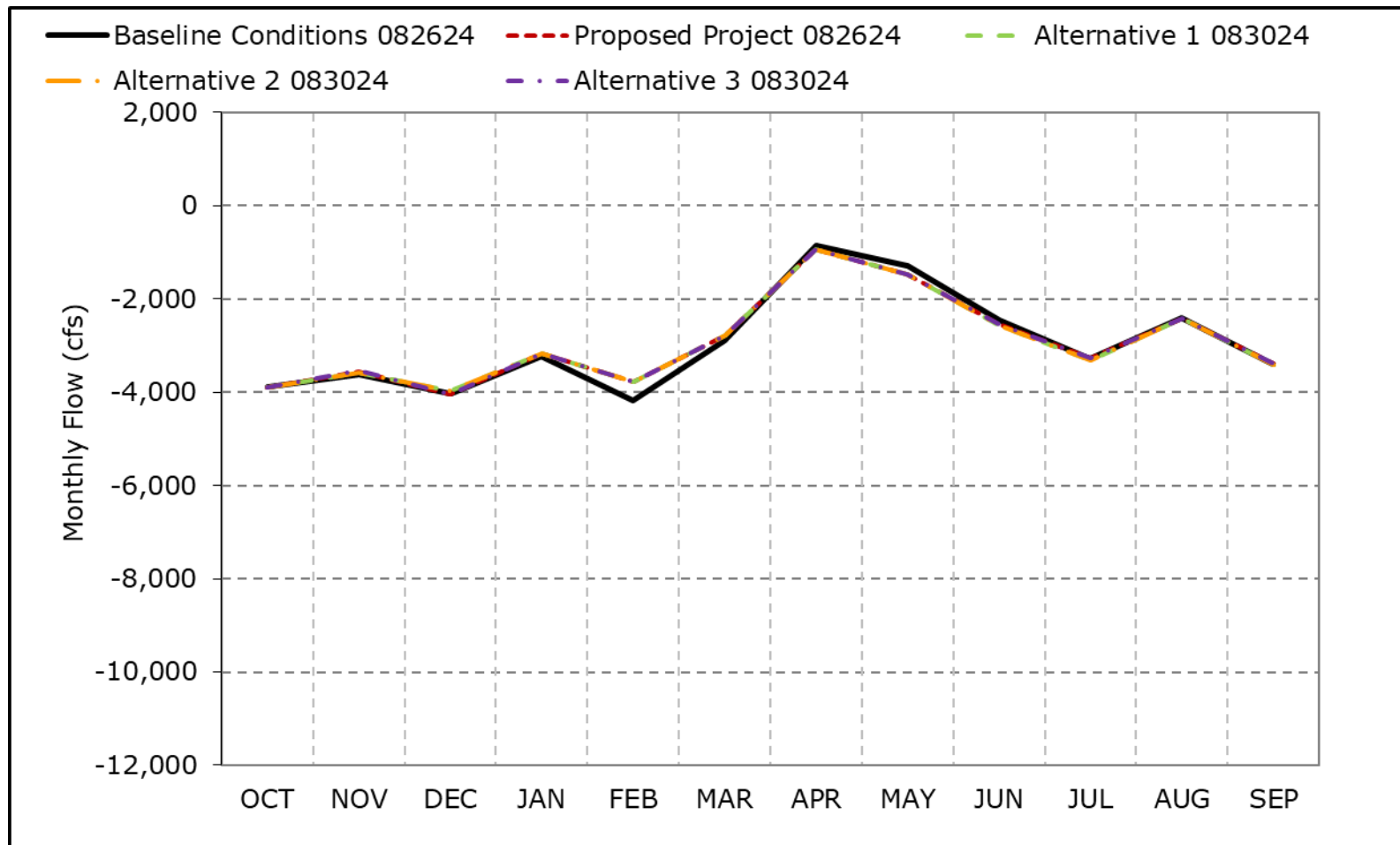


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with water year - year type sorting.

*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-3-8f. Old and Middle River Flow, Critical Year Average Flow

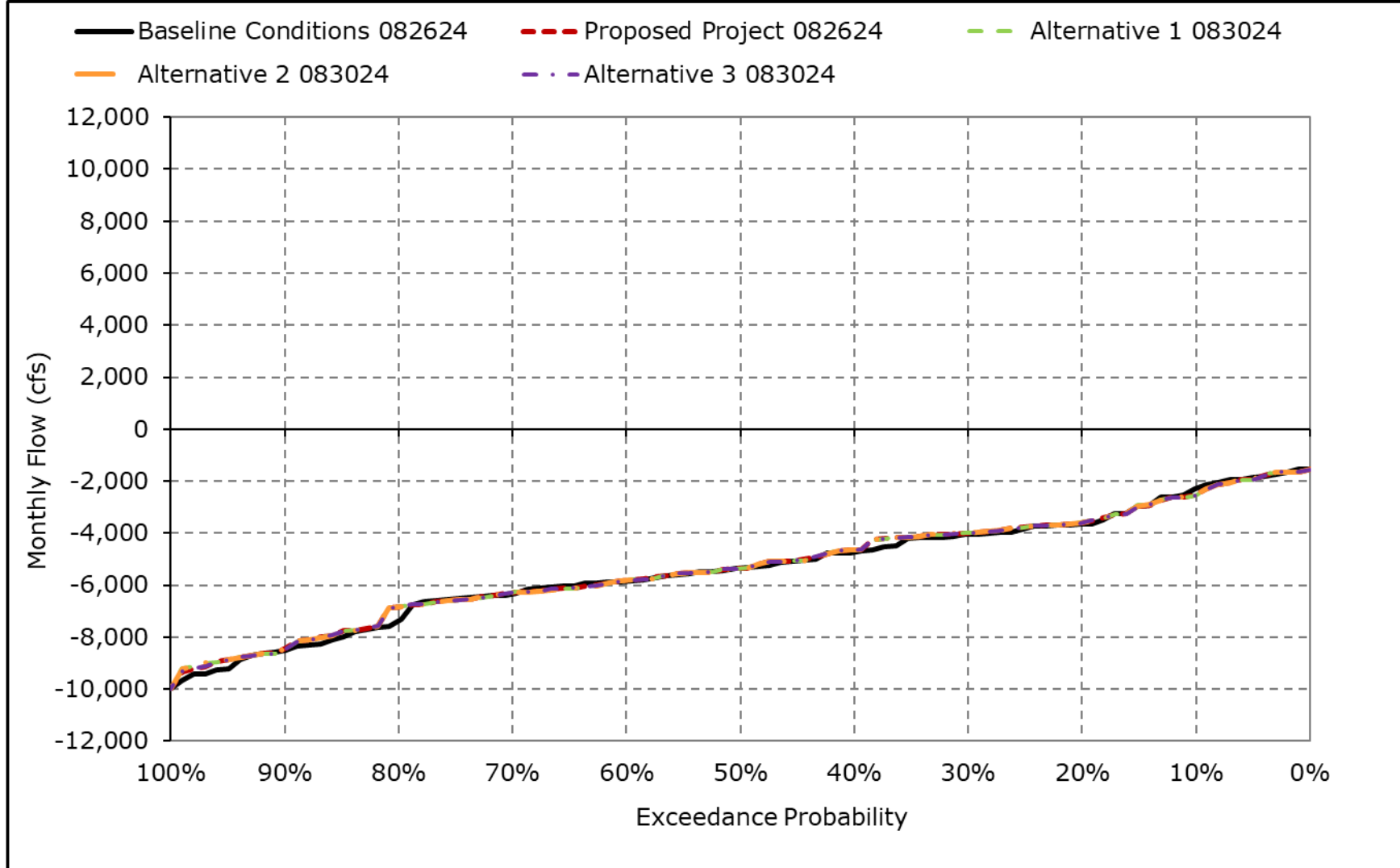


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with water year - year type sorting.

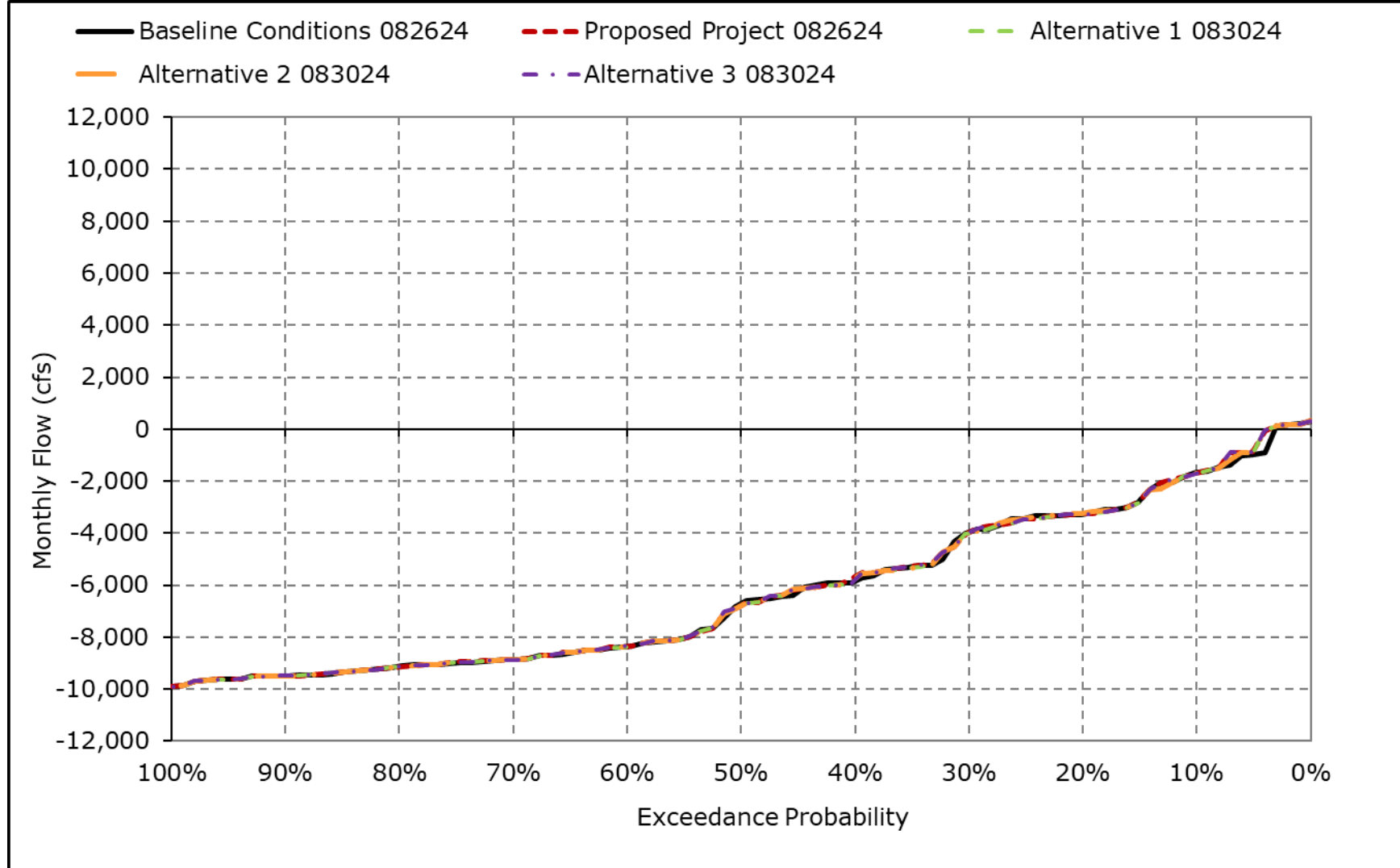
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-3-8g. Old and Middle River Flow, October



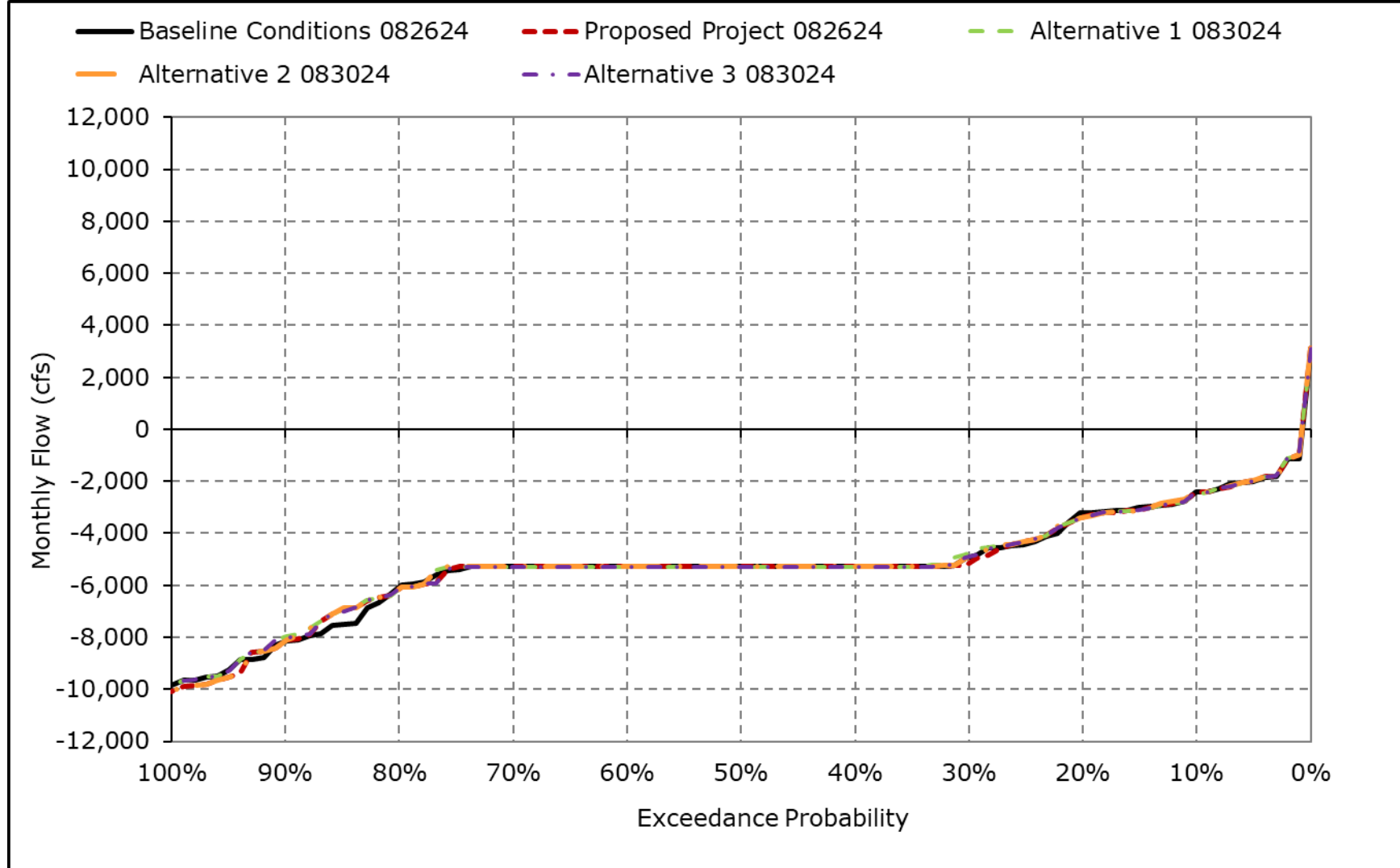
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-3-8h. Old and Middle River Flow, November



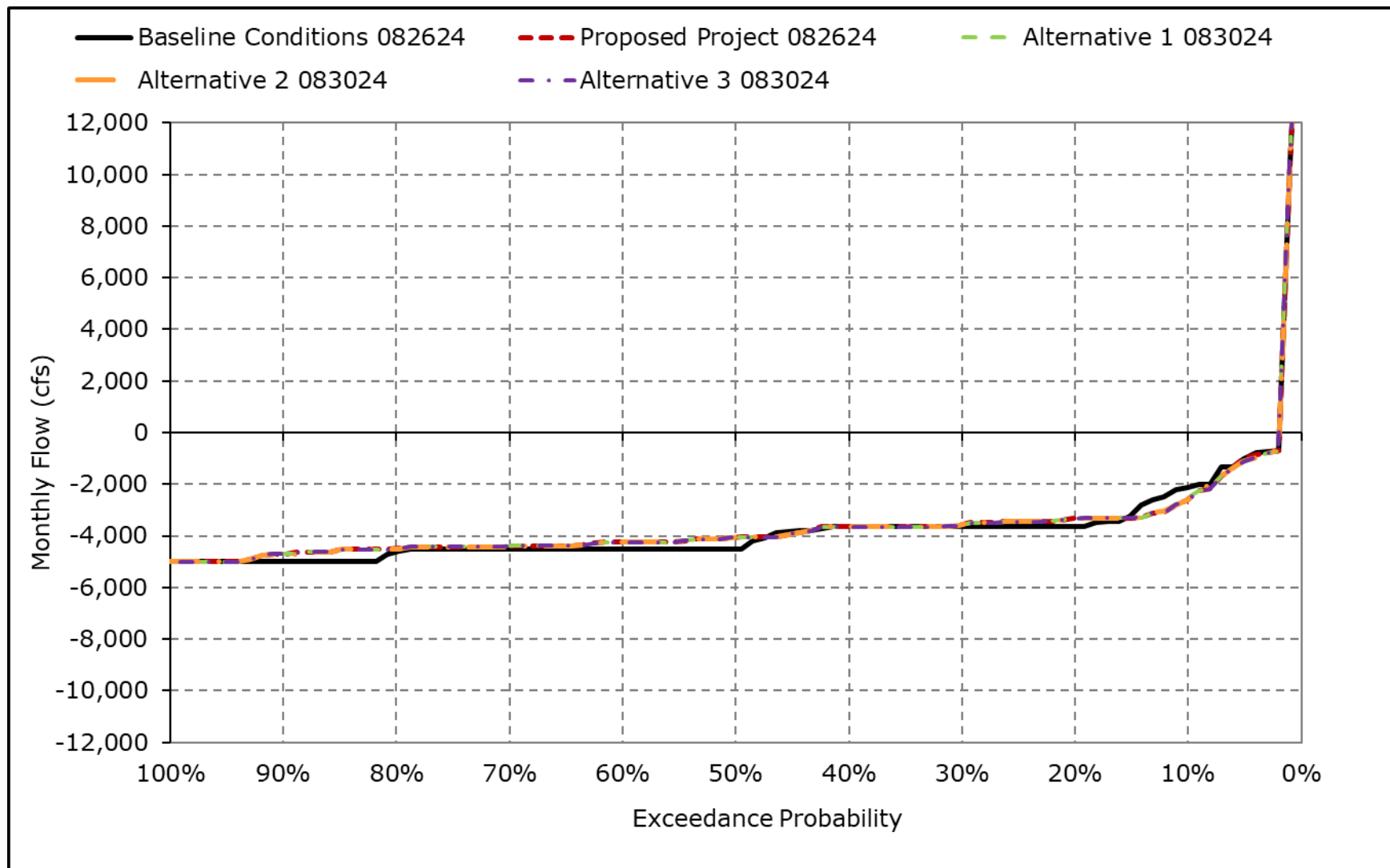
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-3-8i. Old and Middle River Flow, December



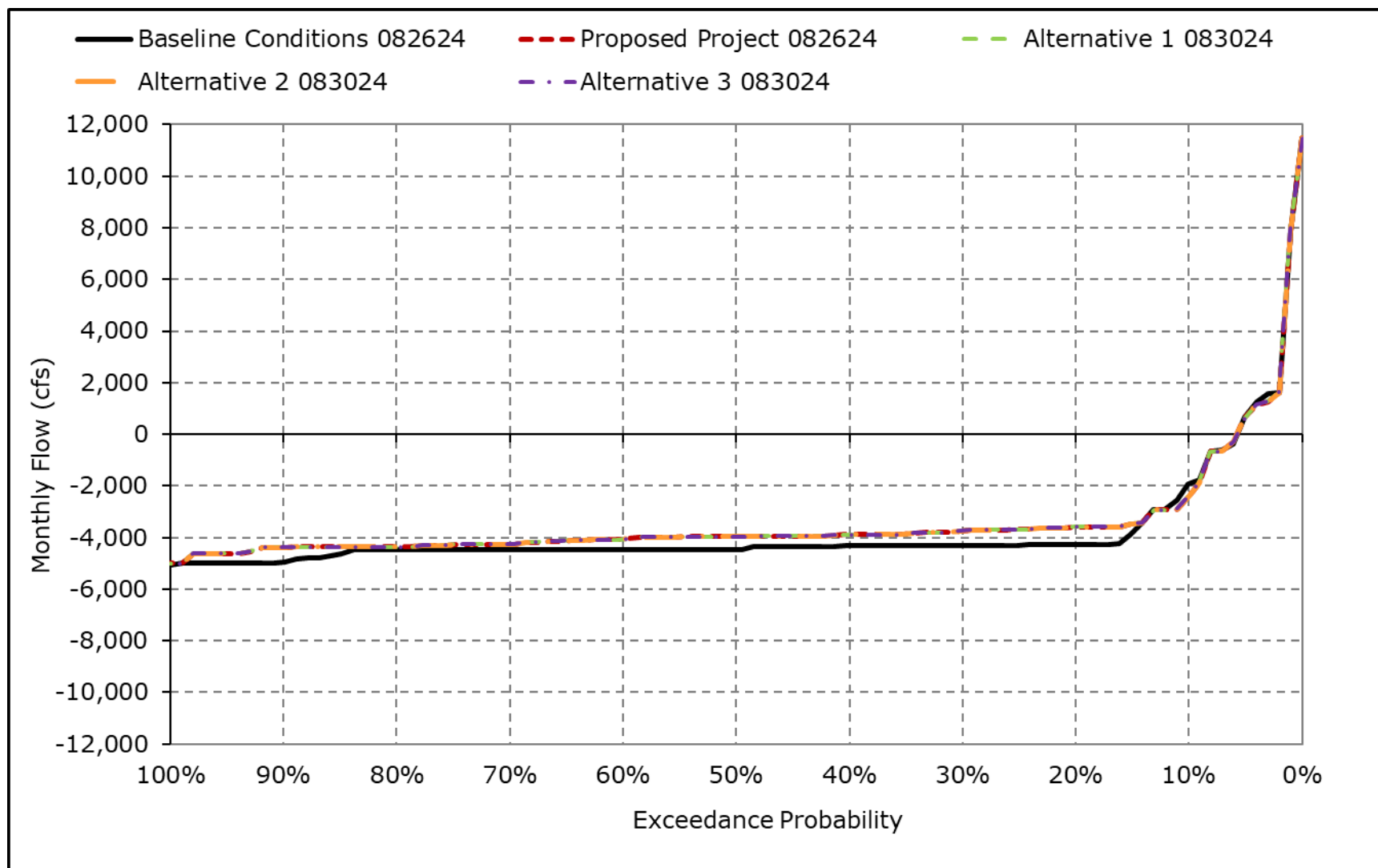
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-3-8j. Old and Middle River Flow, January



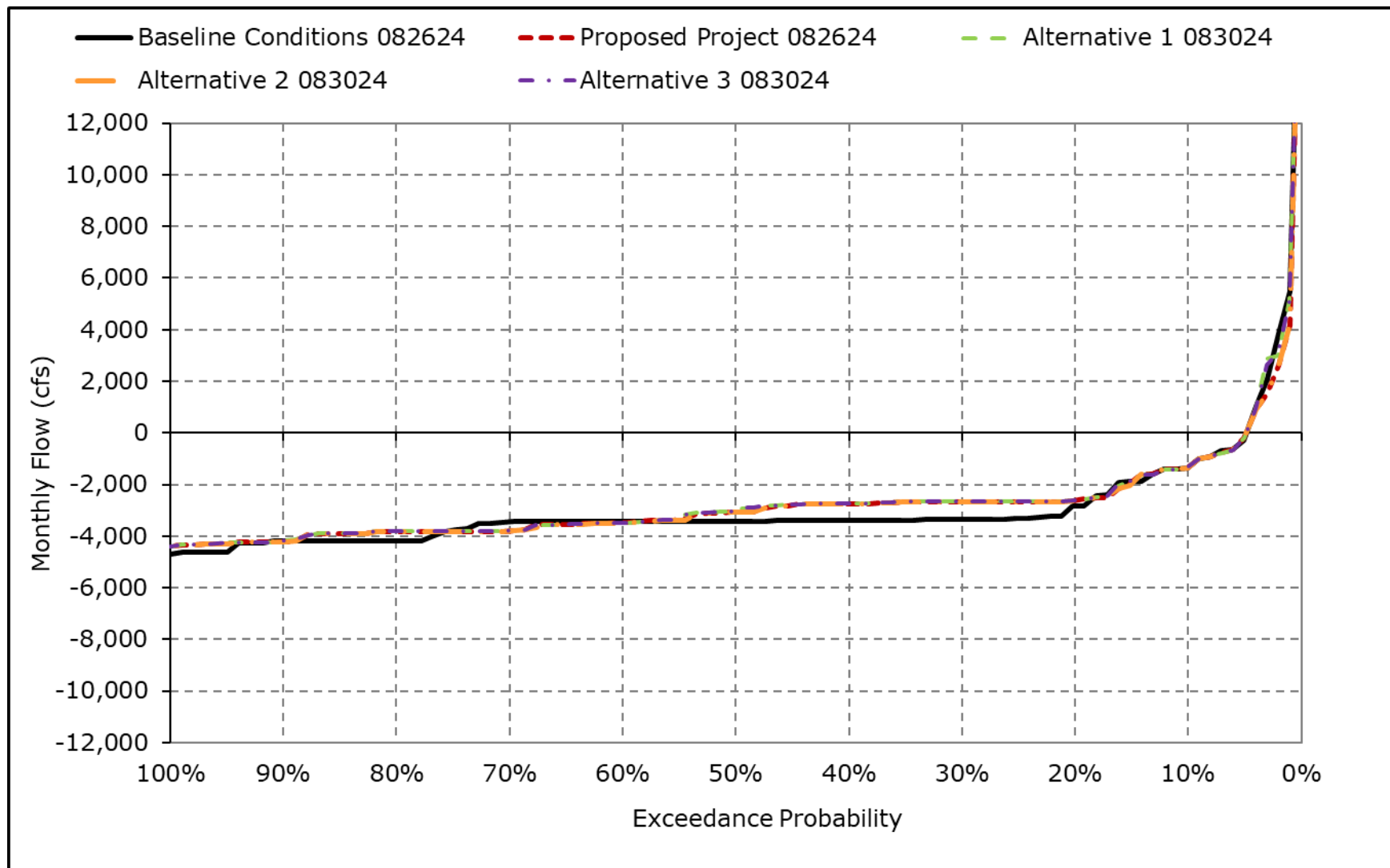
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-3-8k. Old and Middle River Flow, February



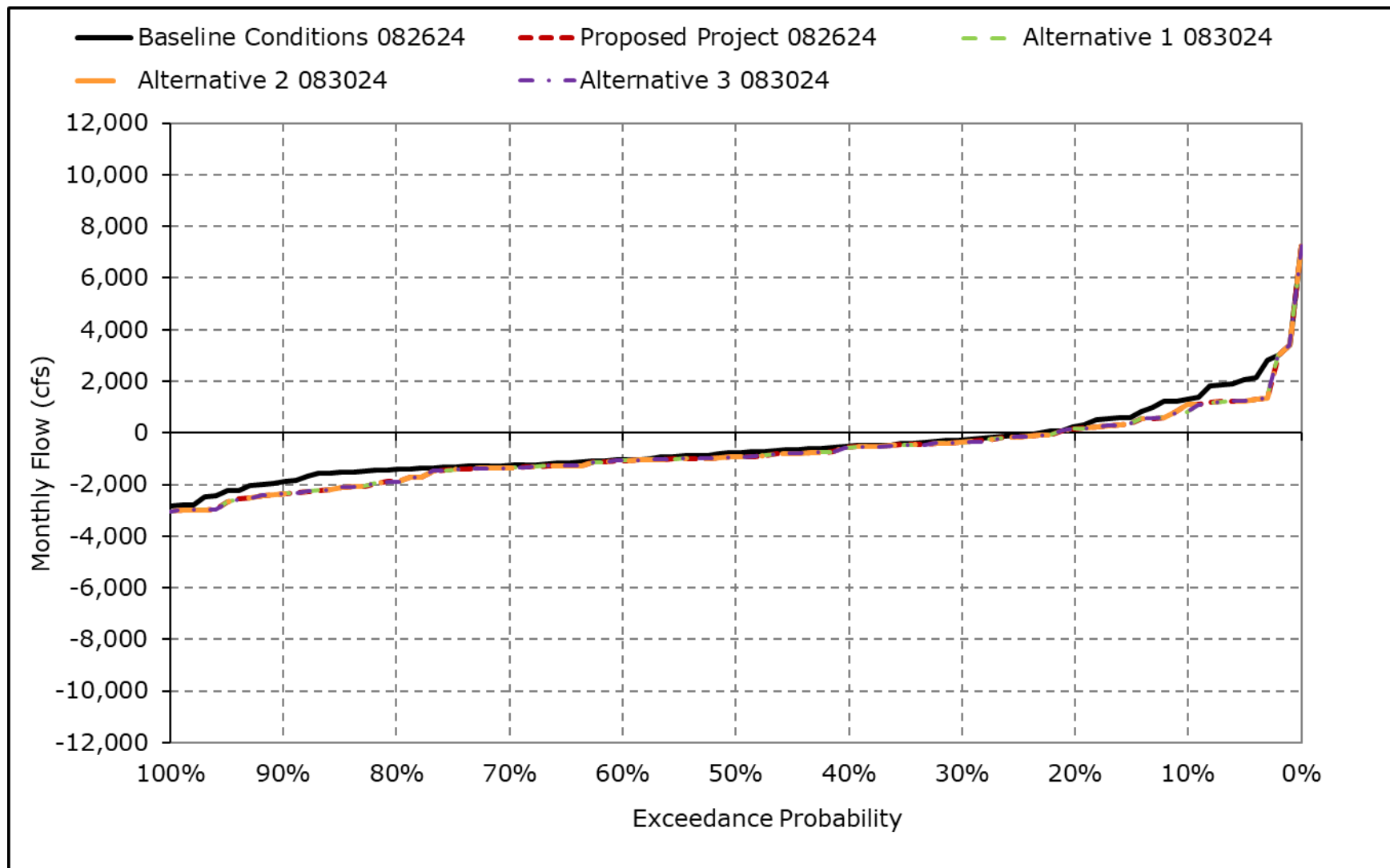
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-3-8I. Old and Middle River Flow, March



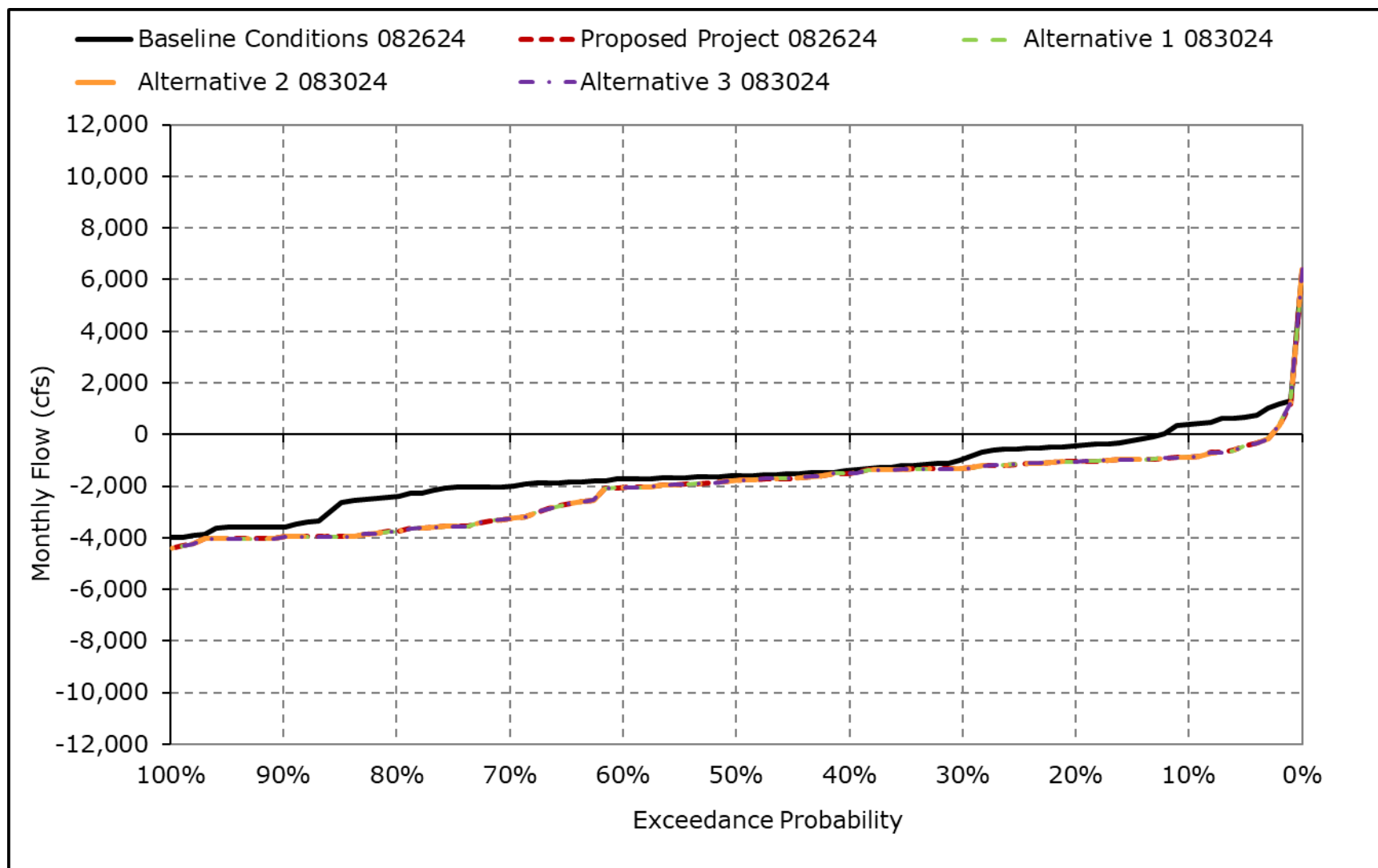
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-3-8m. Old and Middle River Flow, April



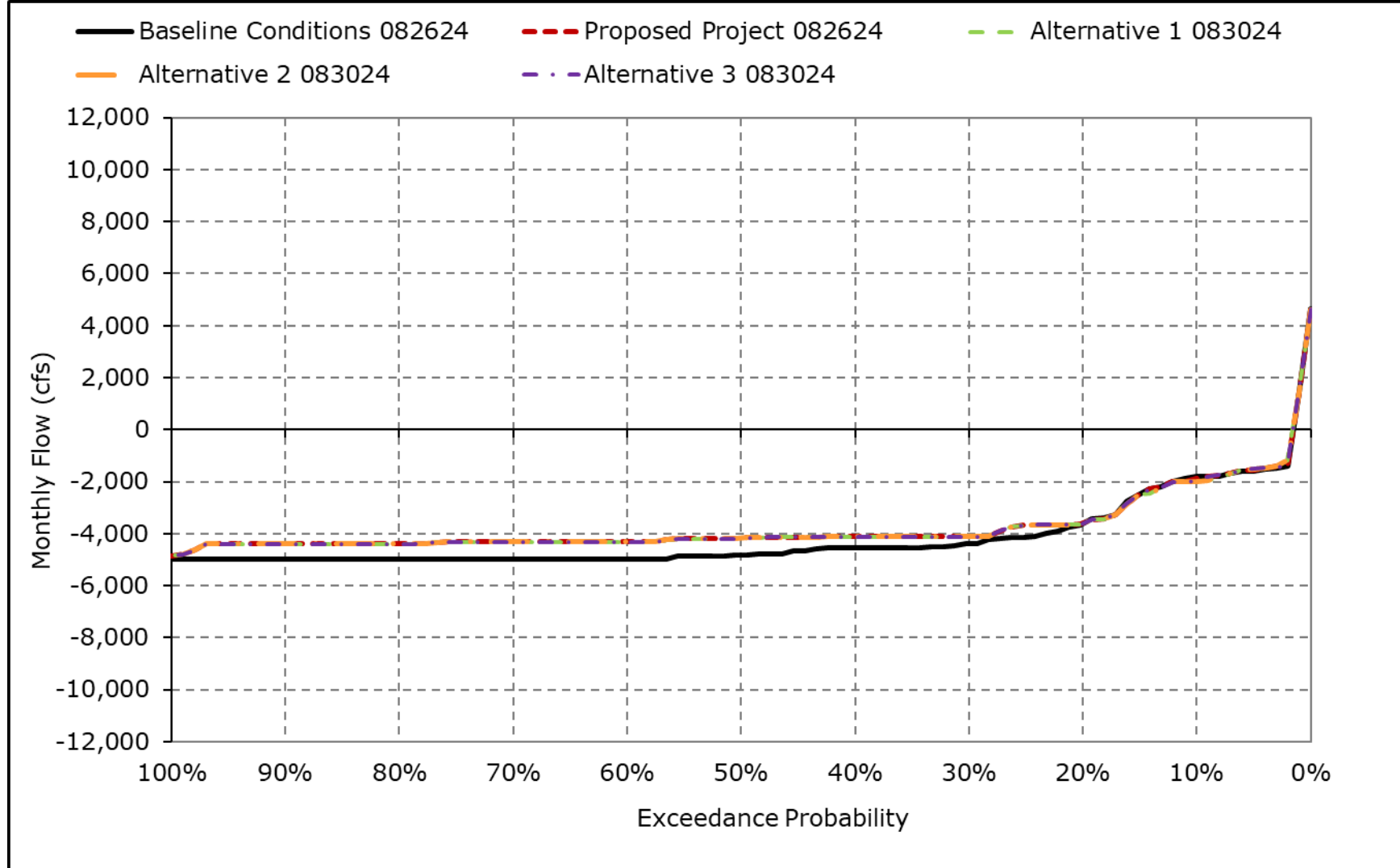
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-3-8n. Old and Middle River Flow, May



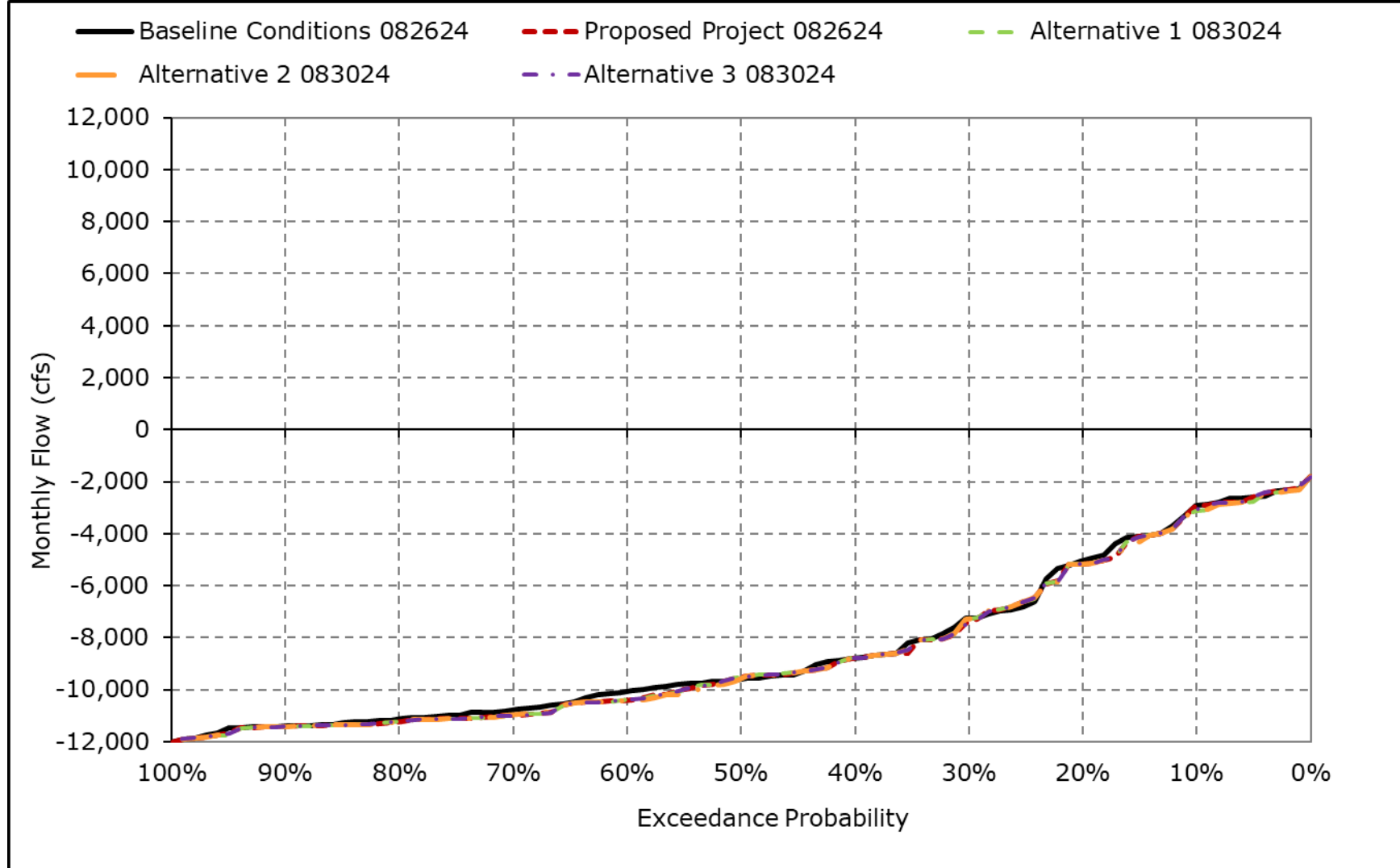
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-3-8o. Old and Middle River Flow, June



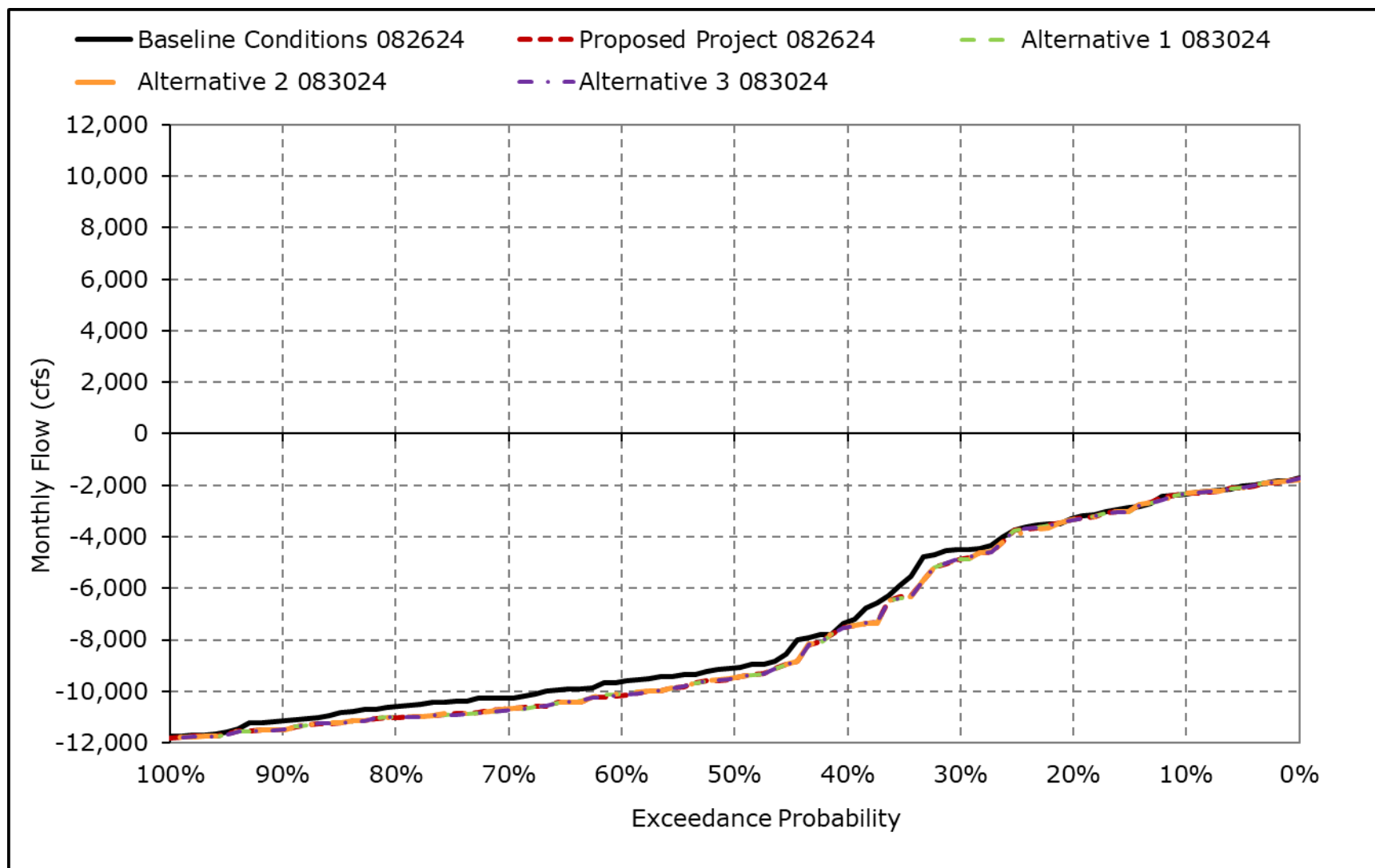
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-3-8p. Old and Middle River Flow, July



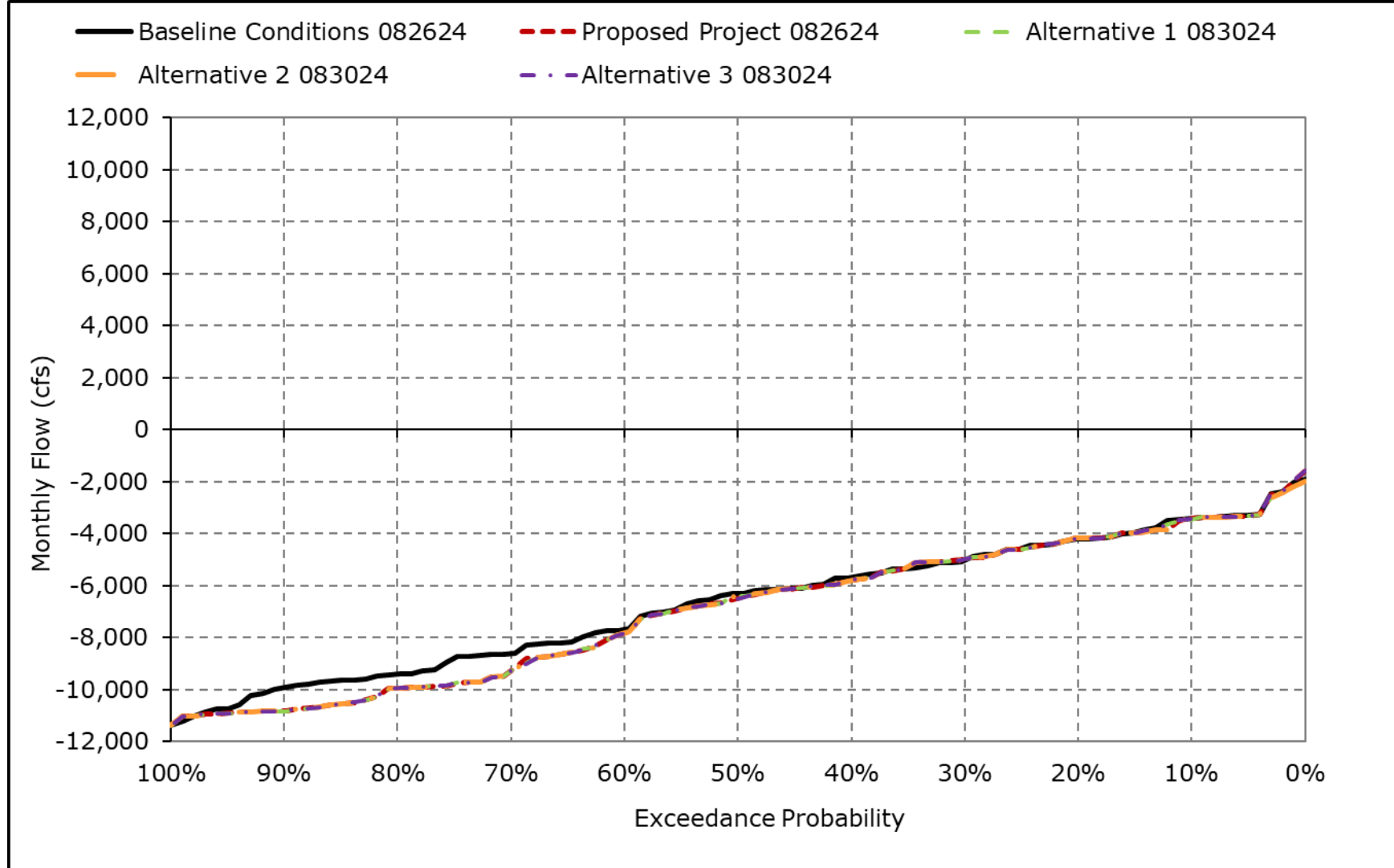
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-3-8q. Old and Middle River Flow, August



*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-3-8r. Old and Middle River Flow, September



*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Table 4C-3-9-1a. Qwest, Baseline Conditions 082624, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,552	765	7,513	18,028	21,137	20,930	16,991	14,774	10,980	1,853	1,551	2,062
20% Exceedance	1,118	74	2,702	11,876	13,311	14,256	13,134	8,692	5,420	1,448	1,183	918
30% Exceedance	889	-163	1,105	4,851	10,270	9,733	10,669	6,713	3,454	478	813	588
40% Exceedance	716	-1,299	496	3,390	6,132	7,195	8,280	5,507	2,228	-219	73	128
50% Exceedance	491	-1,717	-207	1,813	4,003	4,293	6,333	4,501	1,872	-1,102	-957	-140
60% Exceedance	186	-2,628	-903	1,037	2,203	2,671	5,148	3,657	1,225	-1,776	-2,246	-361
70% Exceedance	-154	-3,253	-2,045	-147	1,321	2,119	3,655	2,372	749	-2,590	-2,563	-653
80% Exceedance	-578	-3,674	-3,167	-1,134	130	1,466	2,717	2,050	567	-3,049	-3,066	-1,165
90% Exceedance	-1,549	-4,058	-5,164	-1,938	-646	402	2,237	1,689	341	-3,478	-3,823	-2,013
Full Simulation Period Average ^a	287	-1,578	777	5,855	8,319	8,512	8,771	6,362	3,631	-612	-1,050	-53
Wet Water Years (32%)	-64	-1,562	4,414	15,695	18,943	18,821	16,008	11,654	7,977	1,105	-1,412	814
Above Normal Water Years (9%)	738	-2,403	-1,569	6,198	8,536	8,887	8,330	5,510	3,065	-1,353	-2,547	1,395
Below Normal Water Years (20%)	216	-1,947	-802	1,793	5,318	5,512	8,028	5,776	1,584	-2,739	-3,151	-2,093
Dry Water Years (21%)	437	-1,925	-1,113	-316	1,685	1,801	3,873	3,084	682	-2,382	78	-508
Critical Water Years (18%)	590	-378	-558	-97	396	1,159	2,667	1,854	1,903	1,133	1,362	480

Table 4C-3-9-1b. Qwest, Proposed Project 082624, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,766	792	7,471	18,057	20,865	20,751	16,965	13,242	11,345	1,847	1,552	1,348
20% Exceedance	1,099	74	2,686	11,969	13,425	14,972	12,638	6,691	6,053	1,430	1,074	713
30% Exceedance	954	-319	1,065	4,948	10,432	9,824	9,279	5,429	4,023	407	390	249
40% Exceedance	761	-1,292	418	3,632	6,503	7,365	7,373	4,580	2,813	-324	-530	-55
50% Exceedance	533	-1,779	-205	2,116	4,460	4,641	5,907	3,608	2,075	-1,211	-1,653	-281
60% Exceedance	287	-2,609	-1,197	846	2,939	3,403	4,951	2,872	1,727	-2,173	-2,650	-584
70% Exceedance	-56	-3,249	-2,042	-191	1,713	2,496	3,874	2,209	1,210	-2,906	-3,068	-938
80% Exceedance	-573	-3,676	-3,039	-1,001	771	1,713	2,825	1,791	978	-3,200	-3,404	-1,231
90% Exceedance	-1,585	-4,115	-4,862	-1,897	-330	926	2,337	1,468	825	-3,521	-4,104	-1,978
Full Simulation Period Average ^a	356	-1,560	767	5,961	8,679	8,739	8,527	5,657	4,073	-742	-1,354	-244
Wet Water Years (32%)	24	-1,504	4,360	15,820	19,022	18,519	15,557	10,748	8,575	1,009	-1,809	30
Above Normal Water Years (9%)	964	-2,397	-1,722	6,379	8,946	9,316	7,810	4,424	3,827	-1,784	-3,143	1,216
Below Normal Water Years (20%)	370	-1,982	-798	1,972	5,800	6,248	7,669	4,669	2,132	-2,838	-3,455	-1,838
Dry Water Years (21%)	380	-1,957	-975	-308	2,274	2,362	4,051	2,789	1,077	-2,590	-189	-406
Critical Water Years (18%)	599	-311	-608	-30	831	1,273	2,561	1,668	1,844	1,151	1,325	500

Table 4C-3-9-1c. Qwest, Proposed Project 082624 minus Baseline Conditions 082624, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	214	27	-42	29	-272	-178	-26	-1,532	365	-6	0	-713
20% Exceedance	-20	0	-17	93	115	716	-496	-2,000	634	-18	-110	-204
30% Exceedance	65	-156	-40	97	162	91	-1,391	-1,284	569	-71	-423	-339
40% Exceedance	45	8	-78	243	371	170	-908	-927	585	-105	-603	-183
50% Exceedance	42	-61	2	303	457	348	-426	-893	203	-109	-696	-141
60% Exceedance	101	20	-294	-191	736	732	-197	-784	502	-397	-404	-223
70% Exceedance	99	4	3	-44	391	377	220	-162	461	-316	-505	-284
80% Exceedance	5	-2	128	133	641	247	107	-260	411	-151	-337	-66
90% Exceedance	-36	-56	303	41	316	524	100	-222	484	-44	-281	35
Full Simulation Period Average ^a	69	18	-10	106	361	227	-245	-704	442	-130	-304	-191
Wet Water Years (32%)	88	58	-54	124	79	-302	-451	-906	599	-97	-398	-784
Above Normal Water Years (9%)	226	6	-152	181	410	429	-519	-1,085	762	-431	-596	-178
Below Normal Water Years (20%)	154	-35	4	179	482	735	-359	-1,107	548	-99	-303	255
Dry Water Years (21%)	-57	-32	138	9	589	561	178	-295	395	-208	-267	103
Critical Water Years (18%)	8	67	-49	67	435	113	-107	-186	-59	19	-37	21

^a Based on the 100-year simulation period.

* All scenarios are simulated at current climate condition and 0 cm sea level rise.

* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with water year - year type sorting.

Table 4C-3-9-2a. Qwest, Baseline Conditions 082624, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,552	765	7,513	18,028	21,137	20,930	16,991	14,774	10,980	1,853	1,551	2,062
20% Exceedance	1,118	74	2,702	11,876	13,311	14,256	13,134	8,692	5,420	1,448	1,183	918
30% Exceedance	889	-163	1,105	4,851	10,270	9,733	10,669	6,713	3,454	478	813	588
40% Exceedance	716	-1,299	496	3,390	6,132	7,195	8,280	5,507	2,228	-219	73	128
50% Exceedance	491	-1,717	-207	1,813	4,003	4,293	6,333	4,501	1,872	-1,102	-957	-140
60% Exceedance	186	-2,628	-903	1,037	2,203	2,671	5,148	3,657	1,225	-1,776	-2,246	-361
70% Exceedance	-154	-3,253	-2,045	-147	1,321	2,119	3,655	2,372	749	-2,590	-2,563	-653
80% Exceedance	-578	-3,674	-3,167	-1,134	130	1,466	2,717	2,050	567	-3,049	-3,066	-1,165
90% Exceedance	-1,549	-4,058	-5,164	-1,938	-646	402	2,237	1,689	341	-3,478	-3,823	-2,013
Full Simulation Period Average ^a	287	-1,578	777	5,855	8,319	8,512	8,771	6,362	3,631	-612	-1,050	-53
Wet Water Years (32%)	-64	-1,562	4,414	15,695	18,943	18,821	16,008	11,654	7,977	1,105	-1,412	814
Above Normal Water Years (9%)	738	-2,403	-1,569	6,198	8,536	8,887	8,330	5,510	3,065	-1,353	-2,547	1,395
Below Normal Water Years (20%)	216	-1,947	-802	1,793	5,318	5,512	8,028	5,776	1,584	-2,739	-3,151	-2,093
Dry Water Years (21%)	437	-1,925	-1,113	-316	1,685	1,801	3,873	3,084	682	-2,382	78	-508
Critical Water Years (18%)	590	-378	-558	-97	396	1,159	2,667	1,854	1,903	1,133	1,362	480

Table 4C-3-9-2b. Qwest, Alternative 1 083024, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,765	766	7,472	18,060	20,866	20,829	16,969	13,242	11,346	1,832	1,547	1,349
20% Exceedance	1,103	50	2,685	11,977	13,426	14,962	12,585	6,778	6,053	1,274	1,027	714
30% Exceedance	944	-329	1,065	4,946	10,434	9,824	9,279	5,484	4,023	407	390	182
40% Exceedance	763	-1,300	419	3,632	6,515	7,348	7,373	4,580	2,813	-323	-531	-46
50% Exceedance	534	-1,779	-182	2,077	4,460	4,622	5,873	3,651	2,056	-1,211	-1,655	-283
60% Exceedance	291	-2,608	-978	848	2,938	3,365	4,892	2,952	1,692	-2,174	-2,648	-591
70% Exceedance	-85	-3,249	-2,001	-198	1,713	2,444	3,829	2,288	1,210	-2,914	-3,054	-919
80% Exceedance	-577	-3,676	-3,020	-1,015	771	1,692	2,793	1,821	978	-3,227	-3,406	-1,230
90% Exceedance	-1,494	-4,114	-4,708	-1,894	-330	912	2,301	1,497	822	-3,526	-4,098	-2,038
Full Simulation Period Average ^a	358	-1,571	821	5,961	8,681	8,765	8,501	5,699	4,071	-753	-1,357	-249
Wet Water Years (32%)	34	-1,509	4,414	15,823	19,026	18,657	15,548	10,749	8,576	1,009	-1,809	30
Above Normal Water Years (9%)	965	-2,393	-1,633	6,384	8,955	9,259	7,779	4,511	3,827	-1,805	-3,162	1,236
Below Normal Water Years (20%)	368	-1,994	-757	1,974	5,801	6,219	7,610	4,756	2,133	-2,863	-3,438	-1,846
Dry Water Years (21%)	372	-1,956	-961	-309	2,274	2,324	4,012	2,867	1,077	-2,582	-199	-397
Critical Water Years (18%)	603	-353	-508	-36	831	1,272	2,561	1,669	1,829	1,119	1,309	462

Table 4C-3-9-2c. Qwest, Alternative 1 083024 minus Baseline Conditions 082624, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	213	1	-41	32	-272	-101	-22	-1,532	366	-21	-4	-713
20% Exceedance	-15	-24	-18	102	115	706	-550	-1,914	633	-174	-156	-204
30% Exceedance	55	-166	-40	95	164	92	-1,390	-1,230	569	-72	-424	-405
40% Exceedance	47	0	-77	243	383	153	-907	-927	585	-104	-604	-174
50% Exceedance	43	-62	26	264	457	329	-460	-850	184	-108	-698	-143
60% Exceedance	105	20	-75	-189	736	694	-256	-705	467	-398	-402	-230
70% Exceedance	70	4	45	-51	392	324	174	-84	461	-324	-491	-266
80% Exceedance	1	-1	147	118	642	226	76	-229	411	-179	-339	-65
90% Exceedance	55	-56	456	44	317	510	64	-193	481	-48	-276	-25
Full Simulation Period Average ^a	71	6	44	106	363	253	-270	-662	440	-141	-307	-196
Wet Water Years (32%)	97	53	0	127	83	-164	-460	-905	599	-97	-397	-784
Above Normal Water Years (9%)	227	9	-63	186	420	372	-550	-999	762	-452	-615	-159
Below Normal Water Years (20%)	152	-47	46	181	483	707	-419	-1,020	549	-124	-286	247
Dry Water Years (21%)	-65	-31	152	7	589	523	139	-217	396	-200	-277	111
Critical Water Years (18%)	13	25	51	61	435	113	-106	-185	-74	-14	-52	-17

^a Based on the 100-year simulation period.

* All scenarios are simulated at current climate condition and 0 cm sea level rise.

* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with water year - year type sorting.

Table 4C-3-9-3a. Qwest, Baseline Conditions 082624, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,552	765	7,513	18,028	21,137	20,930	16,991	14,774	10,980	1,853	1,551	2,062
20% Exceedance	1,118	74	2,702	11,876	13,311	14,256	13,134	8,692	5,420	1,448	1,183	918
30% Exceedance	889	-163	1,105	4,851	10,270	9,733	10,669	6,713	3,454	478	813	588
40% Exceedance	716	-1,299	496	3,390	6,132	7,195	8,280	5,507	2,228	-219	73	128
50% Exceedance	491	-1,717	-207	1,813	4,003	4,293	6,333	4,501	1,872	-1,102	-957	-140
60% Exceedance	186	-2,628	-903	1,037	2,203	2,671	5,148	3,657	1,225	-1,776	-2,246	-361
70% Exceedance	-154	-3,253	-2,045	-147	1,321	2,119	3,655	2,372	749	-2,590	-2,563	-653
80% Exceedance	-578	-3,674	-3,167	-1,134	130	1,466	2,717	2,050	567	-3,049	-3,066	-1,165
90% Exceedance	-1,549	-4,058	-5,164	-1,938	-646	402	2,237	1,689	341	-3,478	-3,823	-2,013
Full Simulation Period Average ^a	287	-1,578	777	5,855	8,319	8,512	8,771	6,362	3,631	-612	-1,050	-53
Wet Water Years (32%)	-64	-1,562	4,414	15,695	18,943	18,821	16,008	11,654	7,977	1,105	-1,412	814
Above Normal Water Years (9%)	738	-2,403	-1,569	6,198	8,536	8,887	8,330	5,510	3,065	-1,353	-2,547	1,395
Below Normal Water Years (20%)	216	-1,947	-802	1,793	5,318	5,512	8,028	5,776	1,584	-2,739	-3,151	-2,093
Dry Water Years (21%)	437	-1,925	-1,113	-316	1,685	1,801	3,873	3,084	682	-2,382	78	-508
Critical Water Years (18%)	590	-378	-558	-97	396	1,159	2,667	1,854	1,903	1,133	1,362	480

Table 4C-3-9-3b. Qwest, Alternative 2 083024, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,770	761	7,471	18,060	20,865	20,712	16,965	13,242	11,345	1,831	1,531	1,349
20% Exceedance	1,103	55	2,685	11,975	13,426	14,961	12,585	6,778	6,053	1,274	1,028	713
30% Exceedance	954	-221	1,065	4,947	10,430	9,824	9,279	5,483	4,023	396	389	181
40% Exceedance	761	-1,300	418	3,632	6,504	7,348	7,373	4,580	2,813	-323	-533	-46
50% Exceedance	533	-1,779	-182	2,077	4,459	4,623	5,872	3,651	2,057	-1,211	-1,653	-283
60% Exceedance	290	-2,609	-978	849	2,938	3,338	4,891	2,952	1,692	-2,176	-2,648	-594
70% Exceedance	-62	-3,249	-2,001	-198	1,713	2,444	3,829	2,288	1,210	-2,918	-3,054	-921
80% Exceedance	-579	-3,676	-3,037	-1,014	771	1,692	2,793	1,821	978	-3,278	-3,406	-1,230
90% Exceedance	-1,495	-4,114	-4,864	-1,894	-330	912	2,301	1,497	822	-3,571	-4,098	-2,038
Full Simulation Period Average ^a	360	-1,567	794	5,959	8,680	8,715	8,504	5,700	4,071	-761	-1,358	-252
Wet Water Years (32%)	35	-1,504	4,376	15,821	19,024	18,509	15,558	10,751	8,575	1,009	-1,809	30
Above Normal Water Years (9%)	964	-2,394	-1,721	6,383	8,950	9,259	7,780	4,511	3,827	-1,805	-3,137	1,212
Below Normal Water Years (20%)	372	-1,994	-793	1,969	5,800	6,219	7,609	4,756	2,133	-2,863	-3,439	-1,851
Dry Water Years (21%)	379	-1,939	-965	-305	2,273	2,316	4,014	2,866	1,077	-2,607	-213	-399
Critical Water Years (18%)	603	-353	-500	-42	831	1,272	2,561	1,669	1,829	1,105	1,307	461

Table 4C-3-9-3c. Qwest, Alternative 2 083024 minus Baseline Conditions 082624, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	218	-4	-42	31	-272	-217	-26	-1,532	366	-22	-21	-713
20% Exceedance	-16	-19	-18	99	115	705	-550	-1,914	633	-174	-155	-205
30% Exceedance	65	-58	-41	96	160	92	-1,390	-1,230	569	-82	-424	-407
40% Exceedance	45	0	-78	243	372	153	-908	-927	585	-104	-606	-174
50% Exceedance	41	-62	26	264	456	330	-460	-850	185	-108	-696	-143
60% Exceedance	104	20	-75	-188	736	667	-256	-705	467	-400	-402	-233
70% Exceedance	92	4	45	-51	392	324	174	-84	461	-329	-491	-268
80% Exceedance	-2	-1	130	120	642	226	76	-229	411	-230	-340	-65
90% Exceedance	54	-56	300	44	316	510	64	-193	481	-94	-276	-25
Full Simulation Period Average ^a	73	11	18	104	362	203	-267	-662	440	-148	-309	-199
Wet Water Years (32%)	98	58	-38	125	82	-312	-450	-903	599	-97	-397	-784
Above Normal Water Years (9%)	226	8	-152	185	414	372	-549	-999	762	-452	-590	-182
Below Normal Water Years (20%)	155	-47	9	176	482	707	-419	-1,020	549	-123	-287	243
Dry Water Years (21%)	-58	-14	148	11	588	515	141	-218	396	-225	-290	109
Critical Water Years (18%)	12	25	59	55	435	113	-106	-185	-74	-27	-55	-19

^a Based on the 100-year simulation period.

* All scenarios are simulated at current climate condition and 0 cm sea level rise.

* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with water year - year type sorting.

Table 4C-3-9-4a. Qwest, Baseline Conditions 082624, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,552	765	7,513	18,028	21,137	20,930	16,991	14,774	10,980	1,853	1,551	2,062
20% Exceedance	1,118	74	2,702	11,876	13,311	14,256	13,134	8,692	5,420	1,448	1,183	918
30% Exceedance	889	-163	1,105	4,851	10,270	9,733	10,669	6,713	3,454	478	813	588
40% Exceedance	716	-1,299	496	3,390	6,132	7,195	8,280	5,507	2,228	-219	73	128
50% Exceedance	491	-1,717	-207	1,813	4,003	4,293	6,333	4,501	1,872	-1,102	-957	-140
60% Exceedance	186	-2,628	-903	1,037	2,203	2,671	5,148	3,657	1,225	-1,776	-2,246	-361
70% Exceedance	-154	-3,253	-2,045	-147	1,321	2,119	3,655	2,372	749	-2,590	-2,563	-653
80% Exceedance	-578	-3,674	-3,167	-1,134	130	1,466	2,717	2,050	567	-3,049	-3,066	-1,165
90% Exceedance	-1,549	-4,058	-5,164	-1,938	-646	402	2,237	1,689	341	-3,478	-3,823	-2,013
Full Simulation Period Average ^a	287	-1,578	777	5,855	8,319	8,512	8,771	6,362	3,631	-612	-1,050	-53
Wet Water Years (32%)	-64	-1,562	4,414	15,695	18,943	18,821	16,008	11,654	7,977	1,105	-1,412	814
Above Normal Water Years (9%)	738	-2,403	-1,569	6,198	8,536	8,887	8,330	5,510	3,065	-1,353	-2,547	1,395
Below Normal Water Years (20%)	216	-1,947	-802	1,793	5,318	5,512	8,028	5,776	1,584	-2,739	-3,151	-2,093
Dry Water Years (21%)	437	-1,925	-1,113	-316	1,685	1,801	3,873	3,084	682	-2,382	78	-508
Critical Water Years (18%)	590	-378	-558	-97	396	1,159	2,667	1,854	1,903	1,133	1,362	480

Table 4C-3-9-4b. Qwest, Alternative 3 083024, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,767	794	7,471	18,058	20,862	20,826	16,969	13,242	11,345	1,880	1,534	1,349
20% Exceedance	1,098	73	2,686	11,975	13,426	14,973	12,638	6,691	6,053	1,426	1,077	714
30% Exceedance	941	-319	1,066	4,947	10,433	9,824	9,279	5,429	3,999	408	390	259
40% Exceedance	763	-1,297	418	3,632	6,515	7,365	7,373	4,580	2,813	-324	-532	-54
50% Exceedance	533	-1,779	-206	2,077	4,460	4,641	5,907	3,608	2,073	-1,214	-1,652	-284
60% Exceedance	286	-2,609	-1,199	847	2,939	3,403	4,951	2,872	1,727	-2,173	-2,650	-588
70% Exceedance	-56	-3,249	-2,042	-191	1,713	2,495	3,874	2,209	1,210	-2,906	-3,068	-938
80% Exceedance	-573	-3,676	-3,000	-1,001	771	1,713	2,825	1,791	978	-3,200	-3,404	-1,231
90% Exceedance	-1,585	-4,115	-4,705	-1,897	-330	926	2,337	1,468	825	-3,520	-4,104	-1,978
Full Simulation Period Average ^a	352	-1,562	796	5,959	8,681	8,782	8,523	5,658	4,071	-742	-1,357	-243
Wet Water Years (32%)	21	-1,509	4,398	15,821	19,023	18,651	15,544	10,751	8,575	1,009	-1,810	29
Above Normal Water Years (9%)	964	-2,398	-1,635	6,383	8,955	9,316	7,810	4,424	3,827	-1,784	-3,167	1,240
Below Normal Water Years (20%)	369	-1,981	-763	1,977	5,801	6,248	7,669	4,669	2,132	-2,839	-3,454	-1,843
Dry Water Years (21%)	368	-1,960	-962	-309	2,274	2,362	4,051	2,789	1,077	-2,584	-188	-405
Critical Water Years (18%)	598	-306	-609	-50	831	1,277	2,561	1,668	1,834	1,147	1,317	501

Table 4C-3-9-4c. Qwest, Alternative 3 083024 minus Baseline Conditions 082624, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	216	29	-41	30	-276	-104	-22	-1,532	365	27	-18	-713
20% Exceedance	-20	-1	-17	99	115	717	-496	-2,000	633	-23	-106	-204
30% Exceedance	53	-156	-39	96	163	91	-1,391	-1,284	545	-71	-423	-328
40% Exceedance	47	3	-77	243	383	170	-907	-927	585	-105	-605	-182
50% Exceedance	41	-61	1	264	457	348	-425	-893	201	-111	-695	-144
60% Exceedance	100	20	-296	-190	736	732	-197	-784	502	-397	-404	-227
70% Exceedance	99	4	3	-44	392	376	220	-162	461	-316	-505	-285
80% Exceedance	5	-2	167	133	641	247	108	-259	411	-151	-337	-66
90% Exceedance	-36	-56	459	41	316	524	100	-222	484	-42	-281	35
Full Simulation Period Average ^a	65	16	19	104	362	270	-249	-703	440	-130	-308	-190
Wet Water Years (32%)	84	53	-16	126	80	-170	-464	-903	599	-97	-398	-785
Above Normal Water Years (9%)	227	5	-66	185	419	430	-520	-1,085	762	-431	-621	-154
Below Normal Water Years (20%)	153	-34	39	184	484	736	-359	-1,107	548	-100	-303	250
Dry Water Years (21%)	-69	-34	151	7	589	562	178	-295	396	-203	-266	103
Critical Water Years (18%)	8	72	-50	48	434	117	-106	-186	-69	14	-44	21

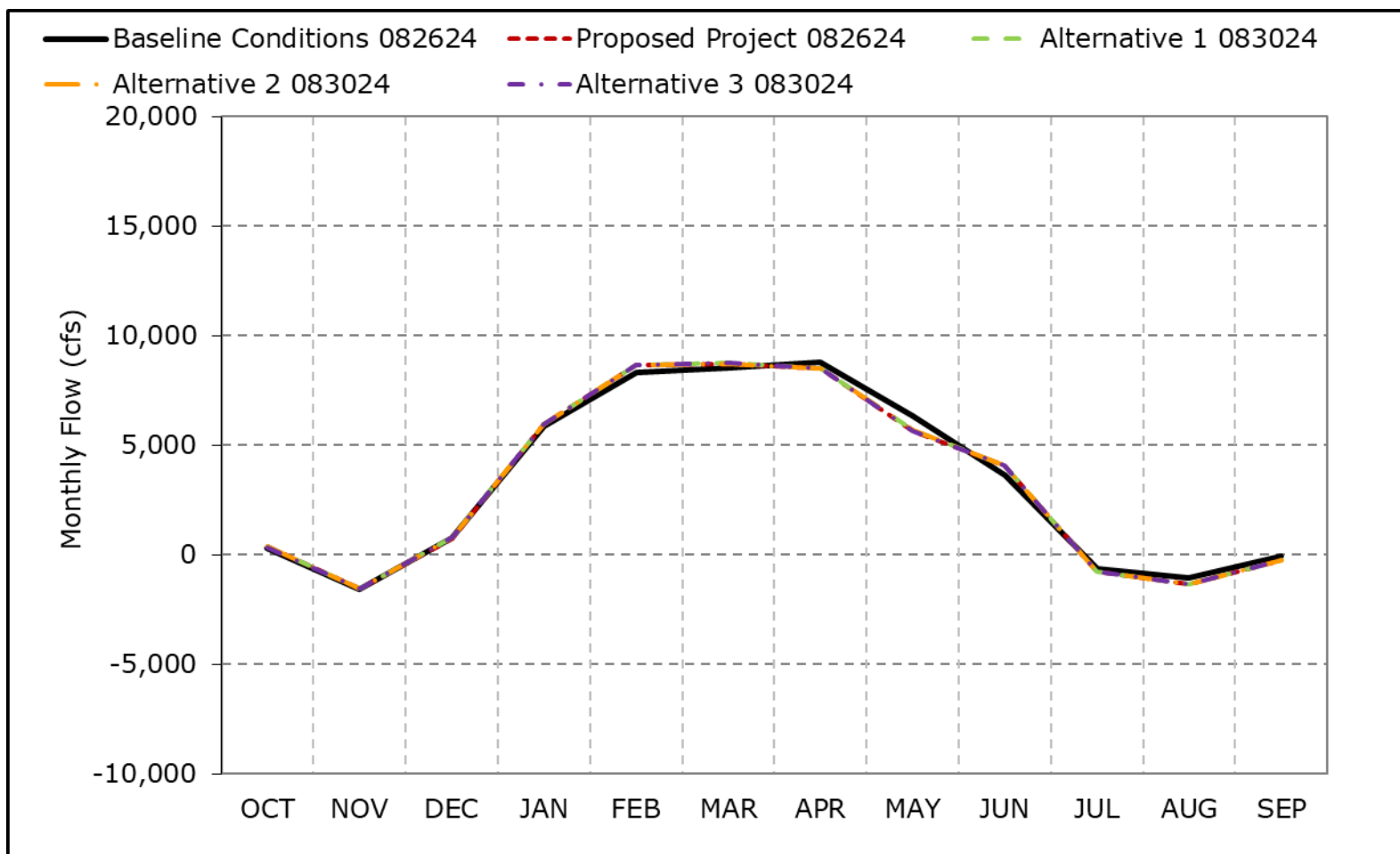
^a Based on the 100-year simulation period.

* All scenarios are simulated at current climate condition and 0 cm sea level rise.

* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with water year - year type sorting.

Figure 4C-3-9a. Qwest, Long-Term Average Flow

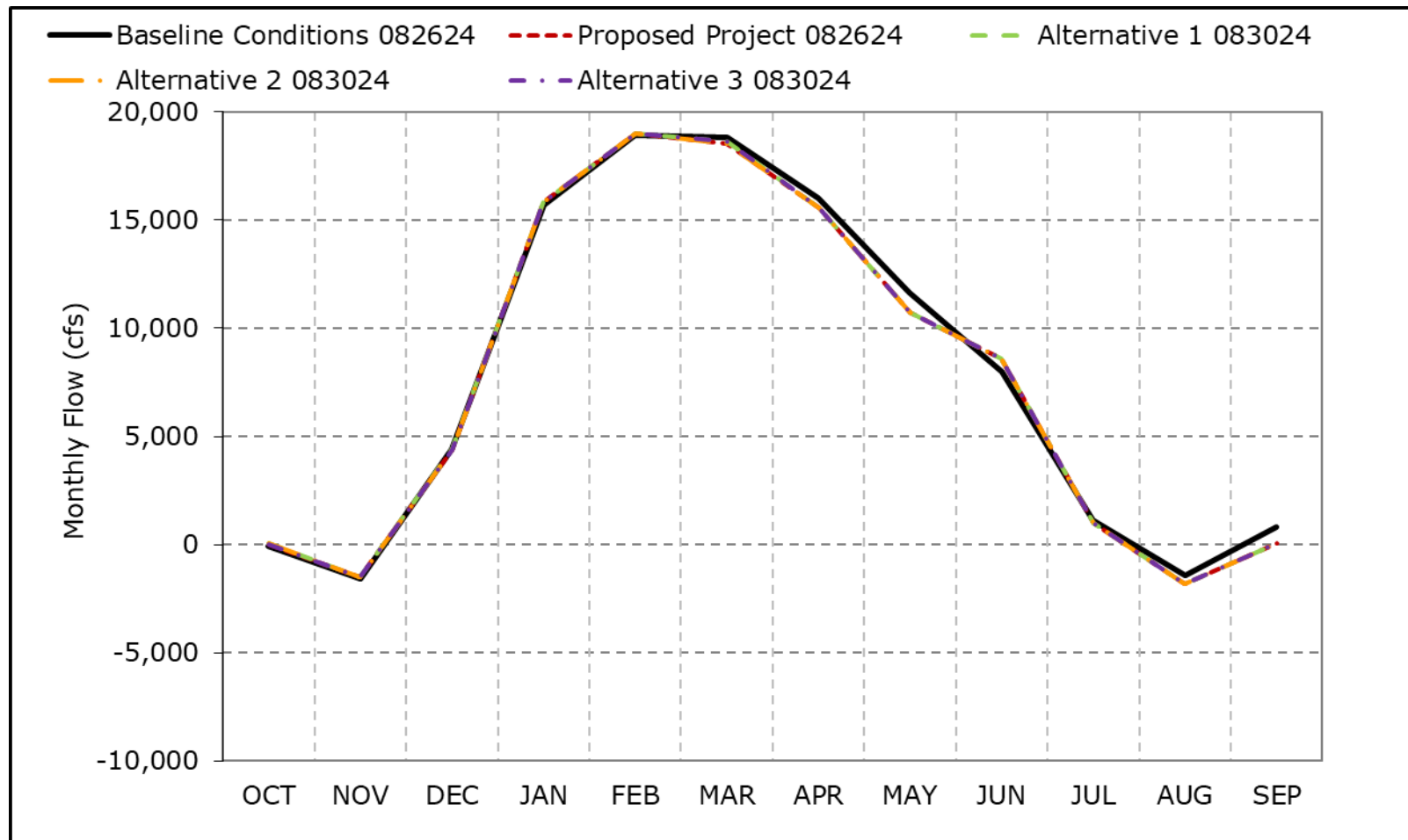


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with water year - year type sorting.

*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-3-9b. Qwest, Wet Year Average Flow

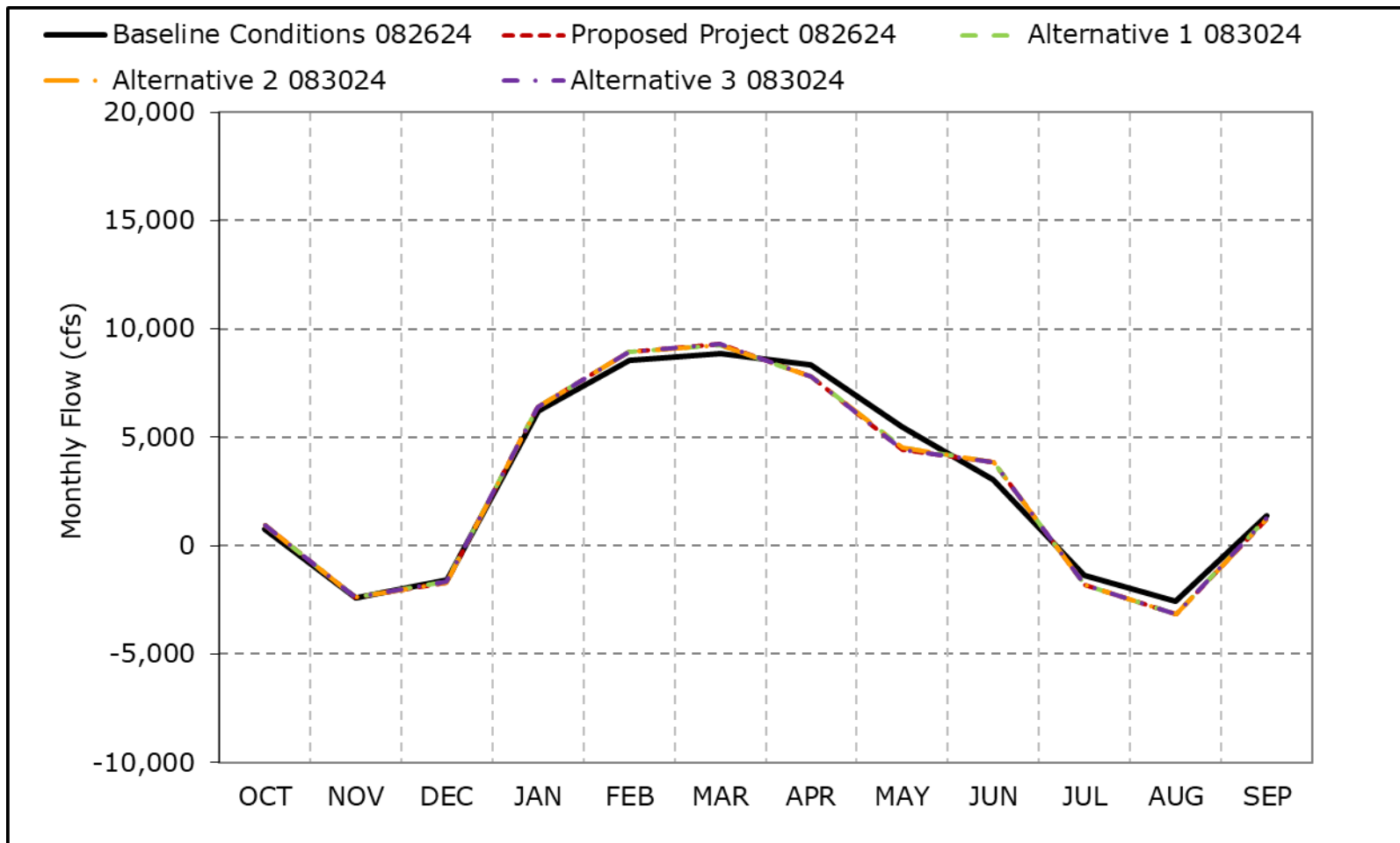


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with water year - year type sorting.

*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-3-9c. Qwest, Above Normal Year Average Flow

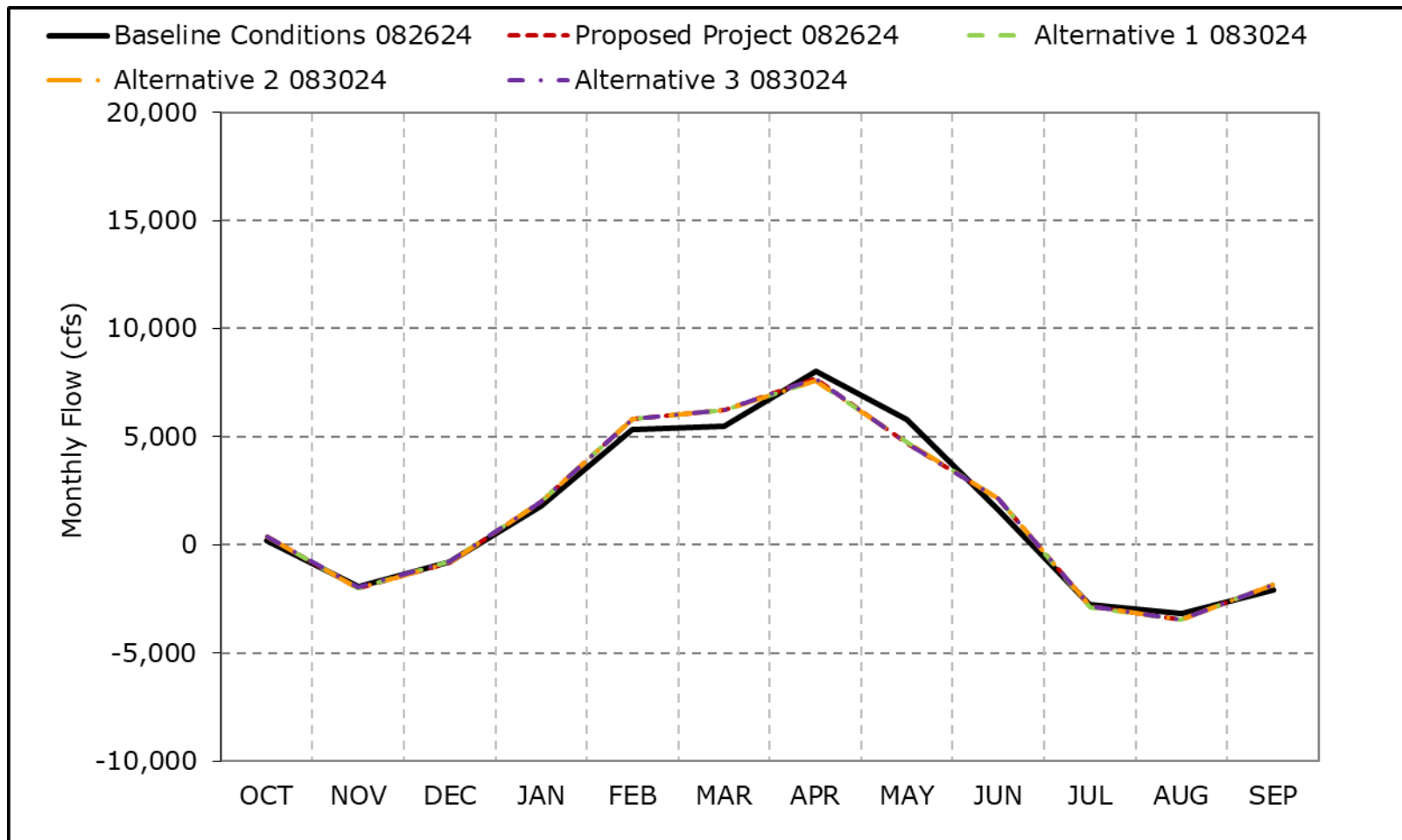


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with water year - year type sorting.

*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-3-9d. Qwest, Below Normal Year Average Flow

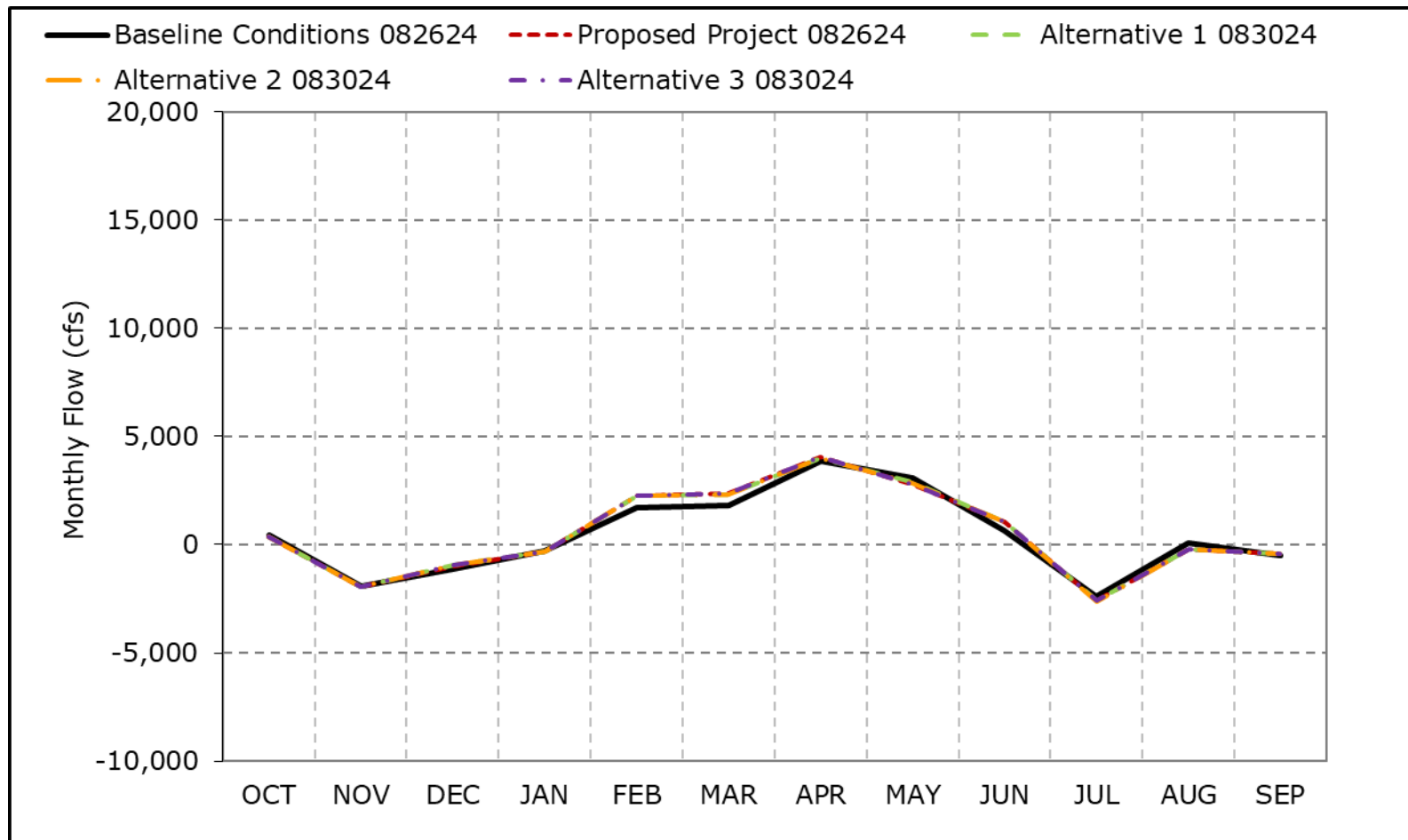


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with water year - year type sorting.

*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-3-9e. Qwest, Dry Year Average Flow

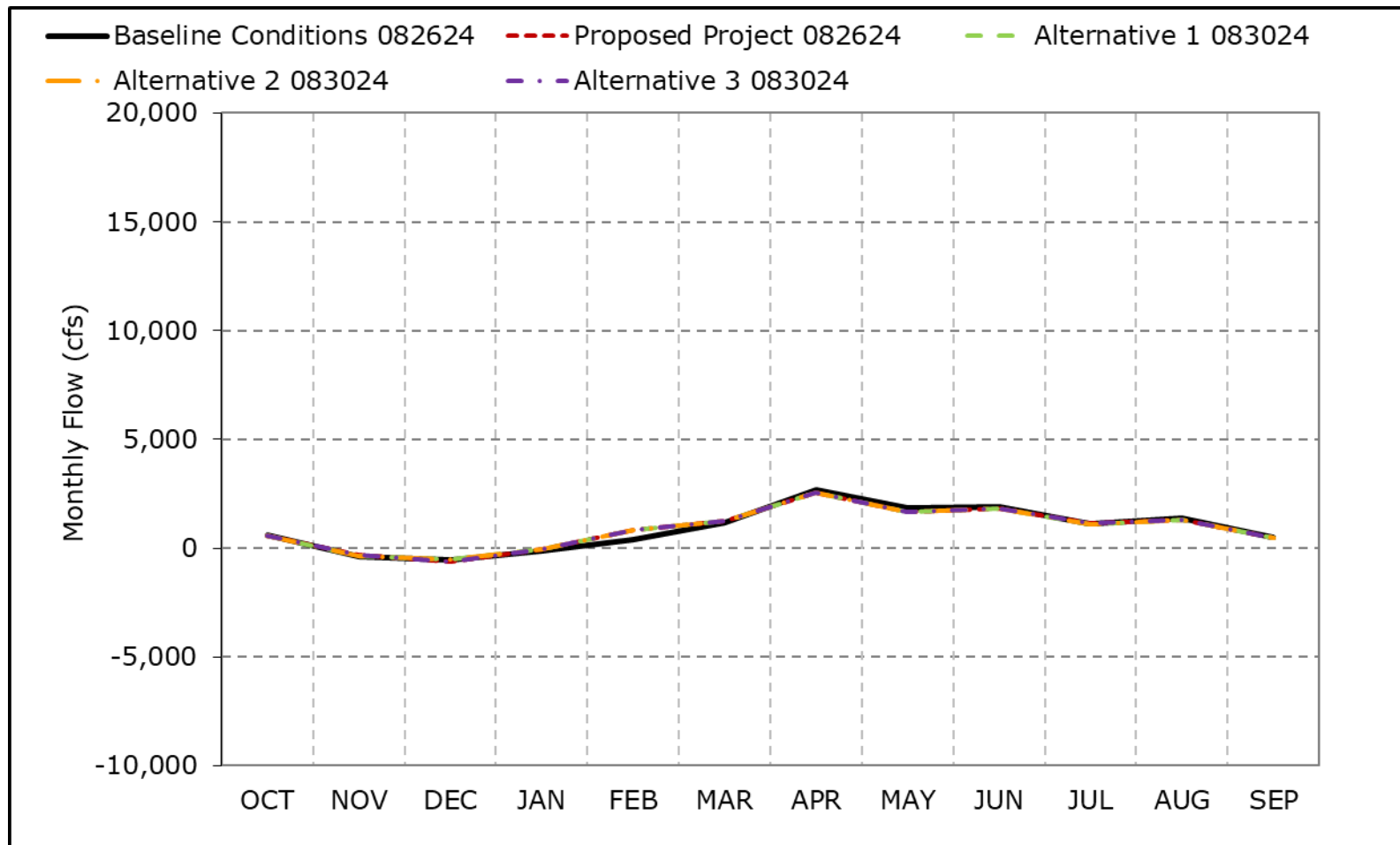


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with water year - year type sorting.

*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-3-9f. Qwest, Critical Year Average Flow

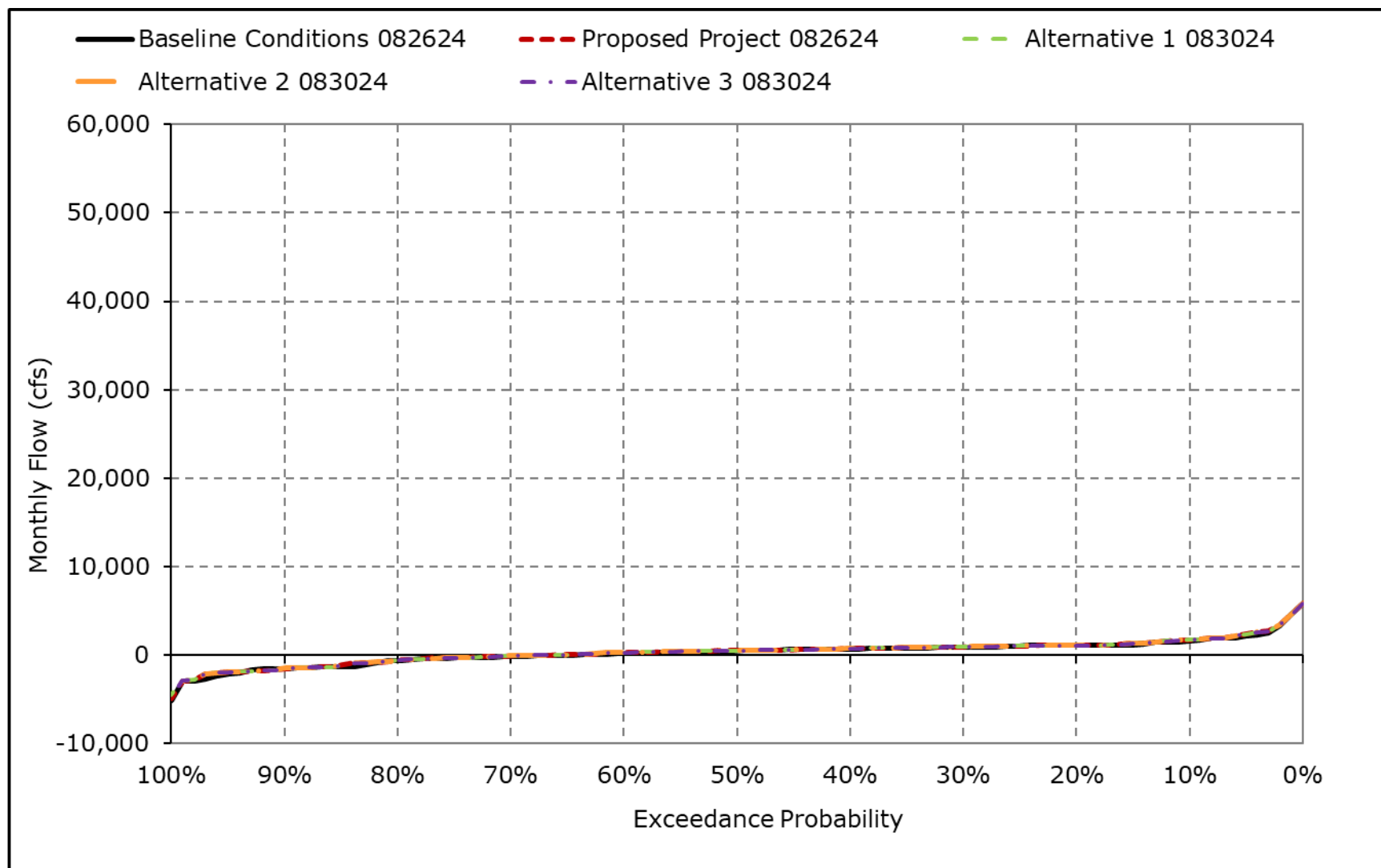


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with water year - year type sorting.

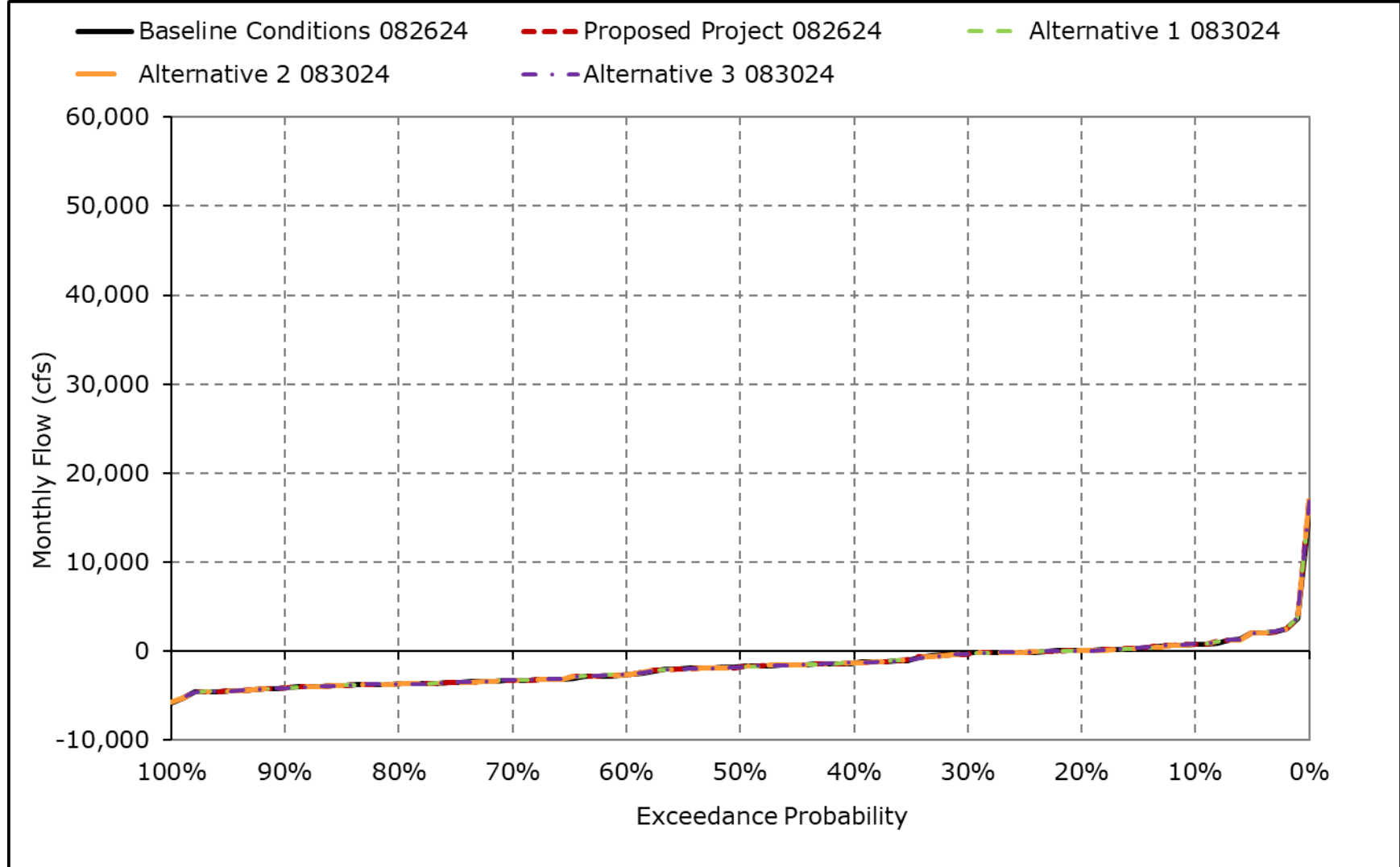
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-3-9g. Qwest, October



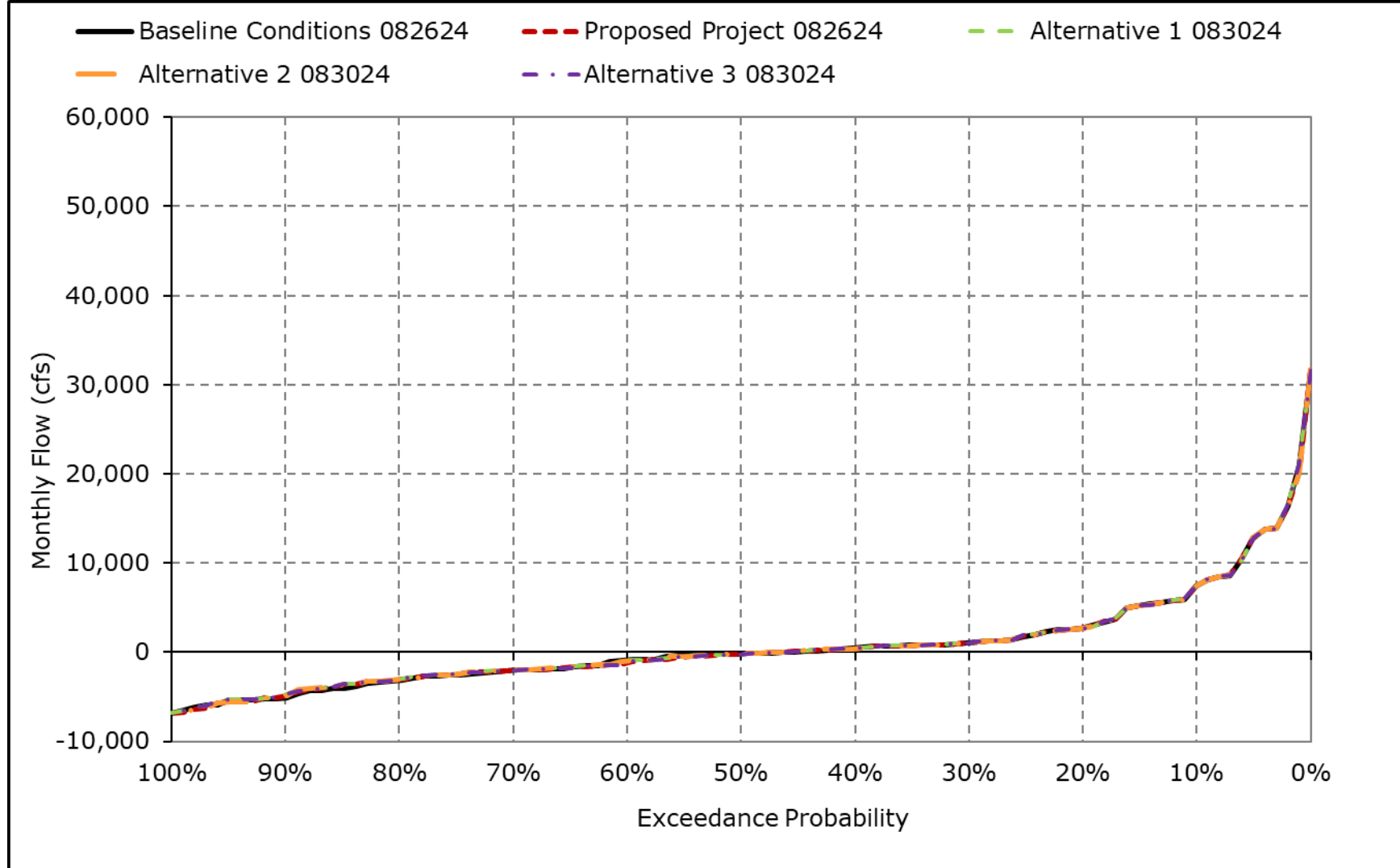
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-3-9h. Qwest, November



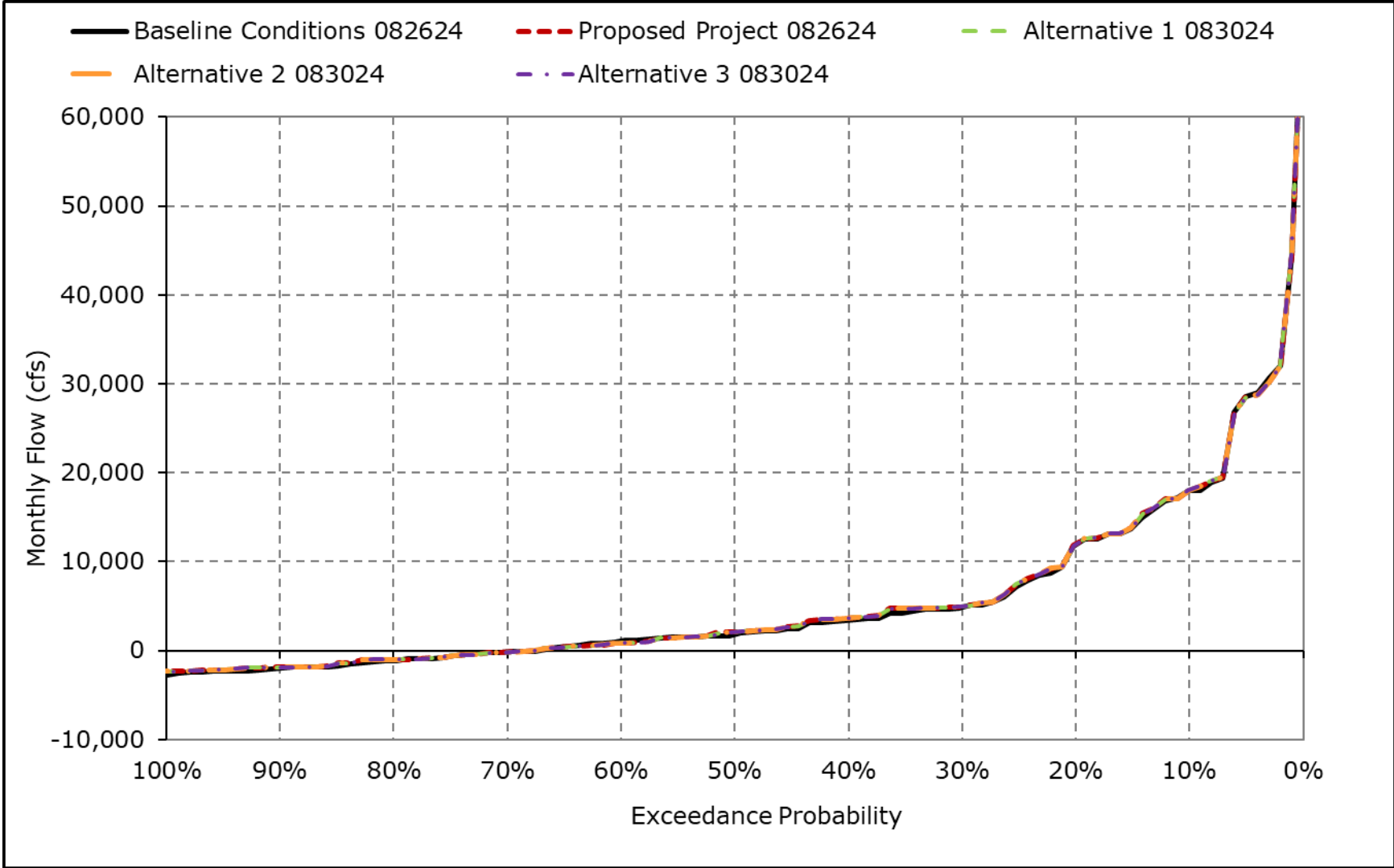
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-3-9i. Qwest, December



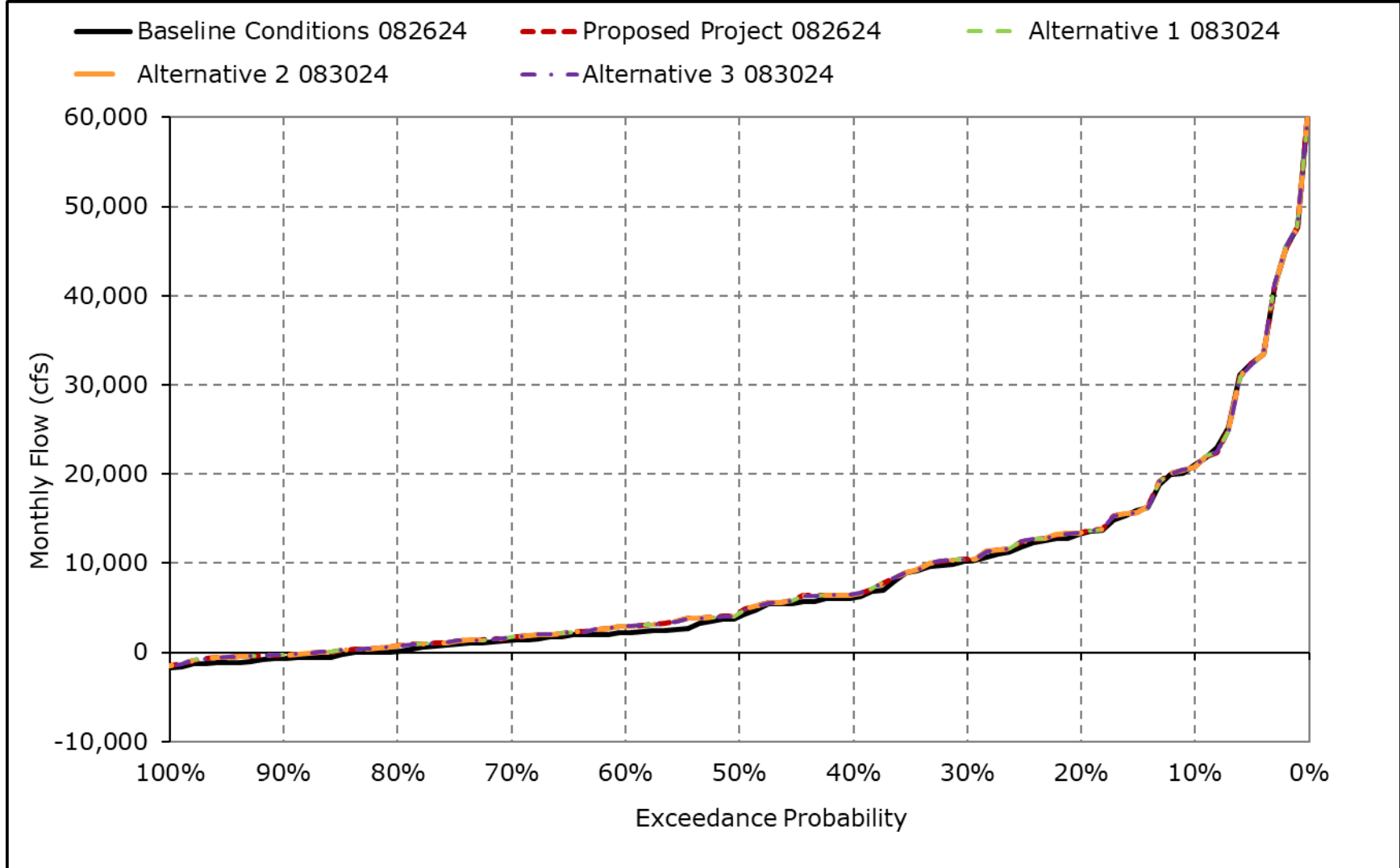
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-3-9j. Qwest, January



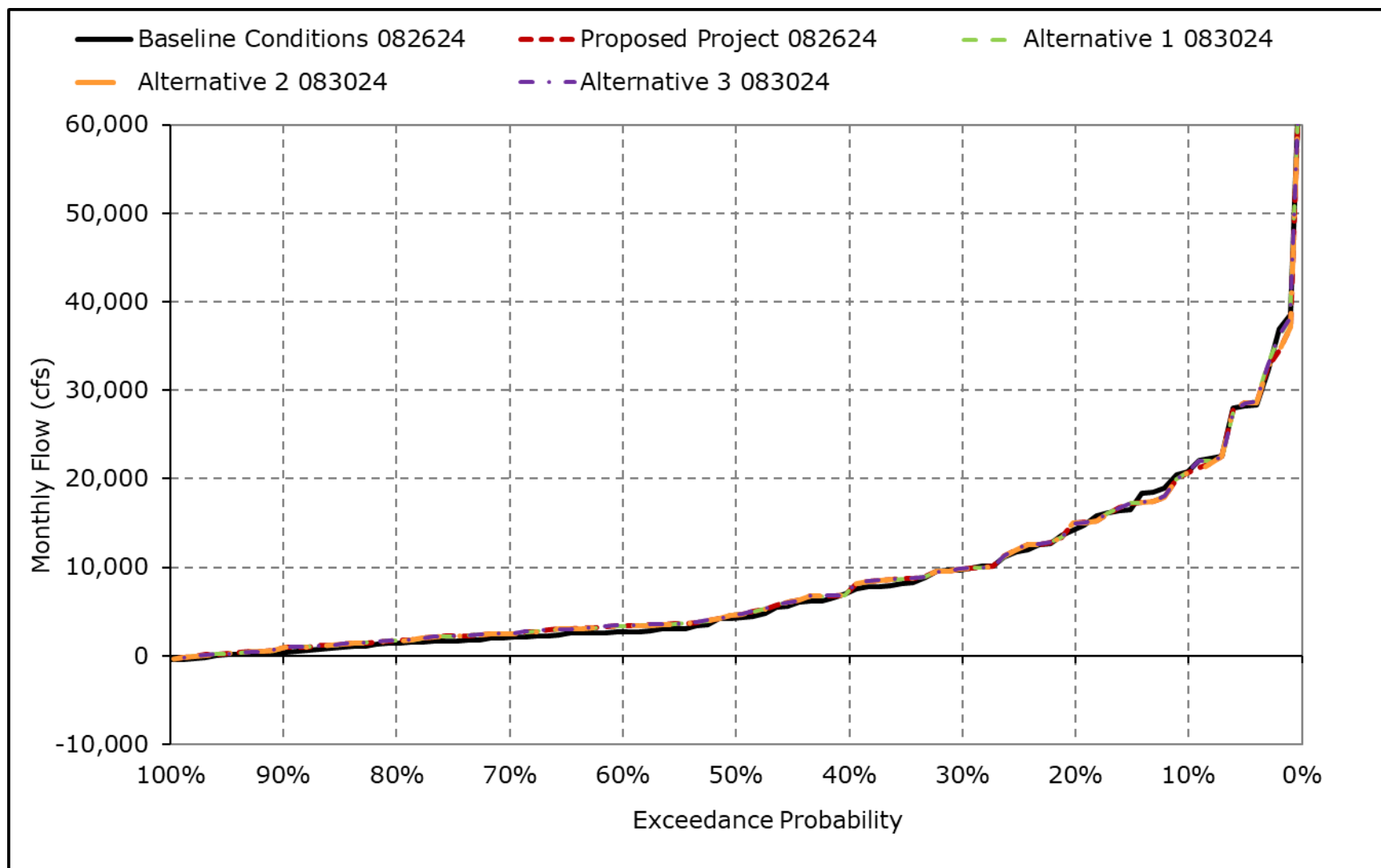
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-3-9k. Qwest, February



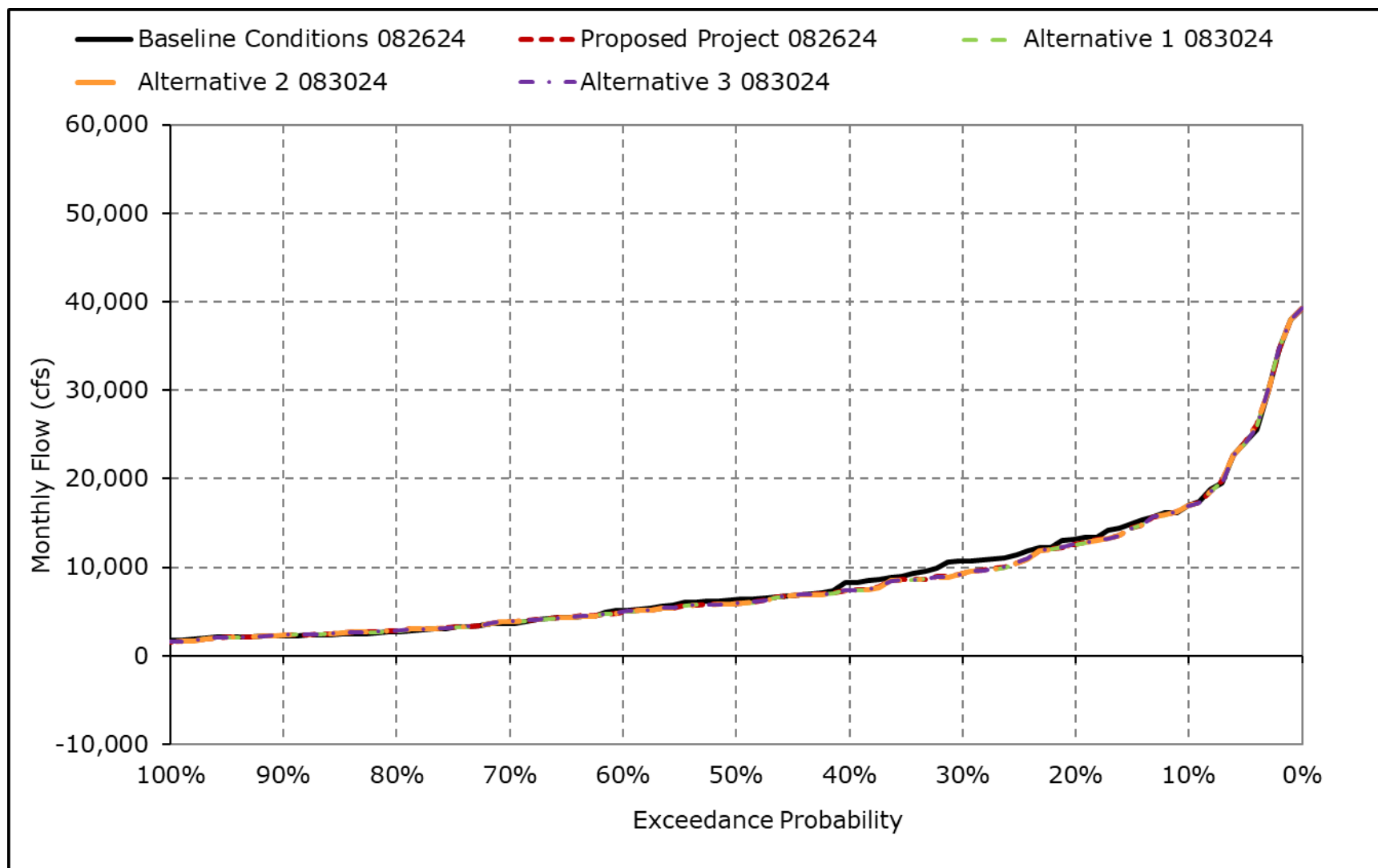
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-3-9I. Qwest, March



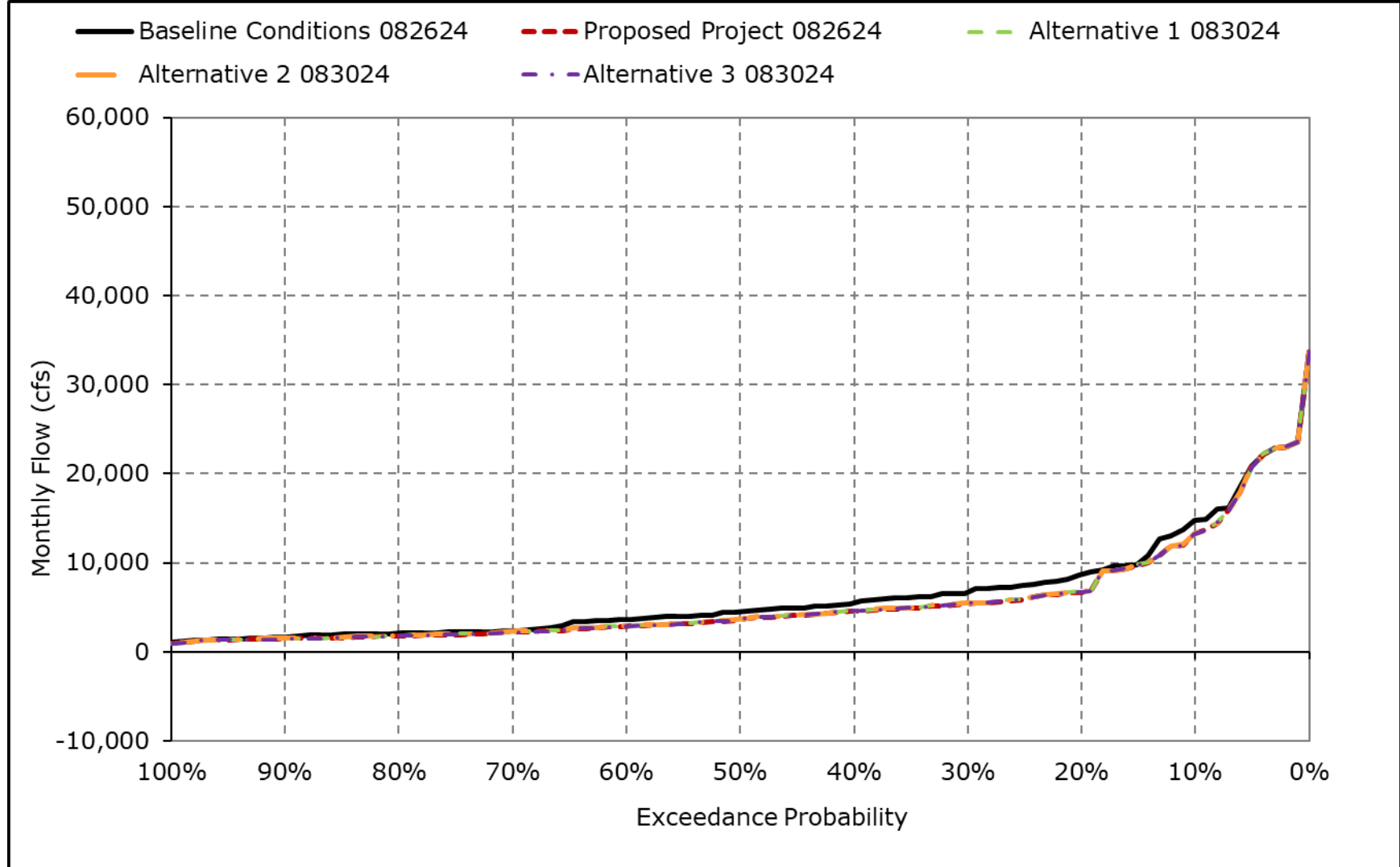
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-3-9m. Qwest, April



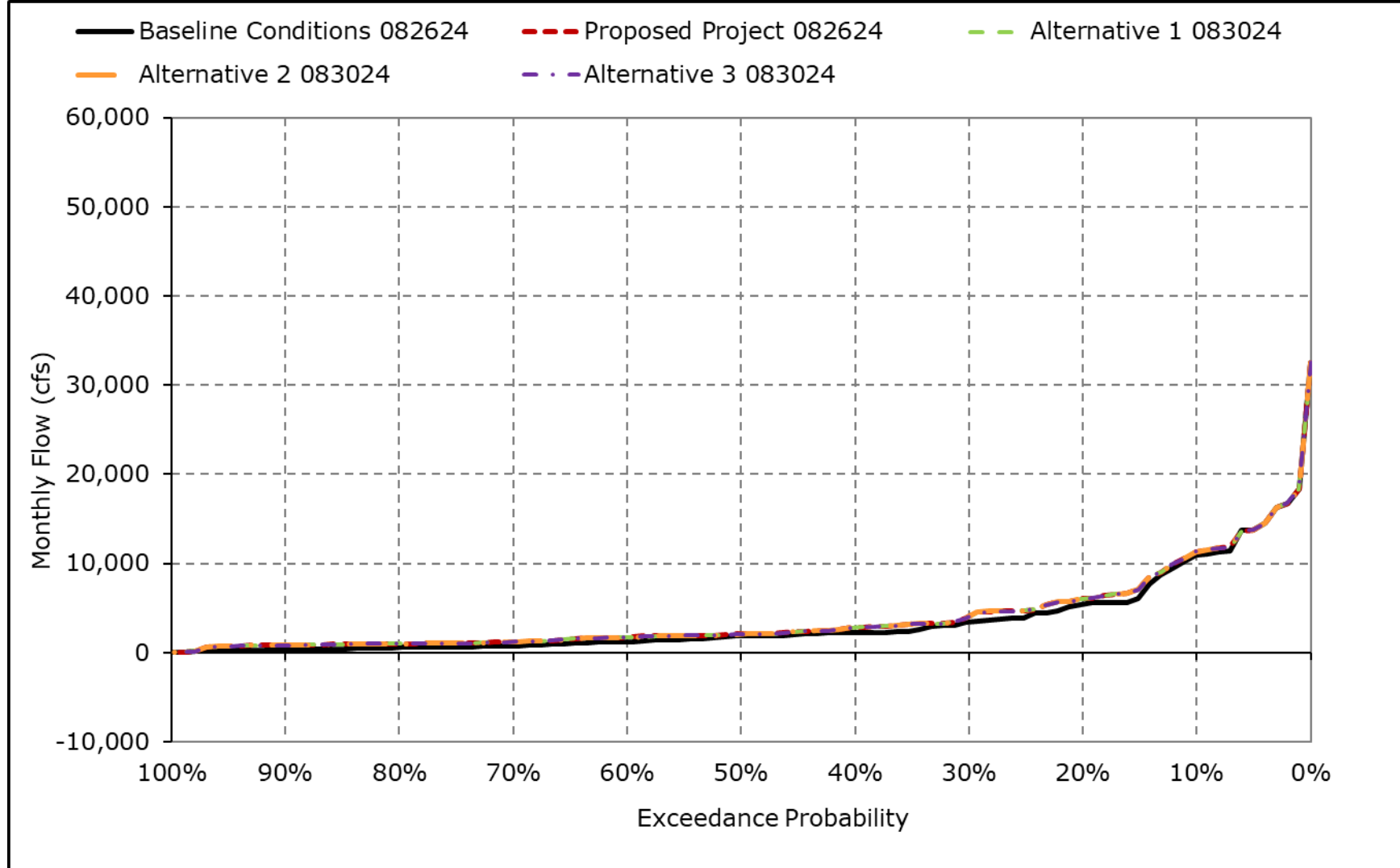
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-3-9n. Qwest, May



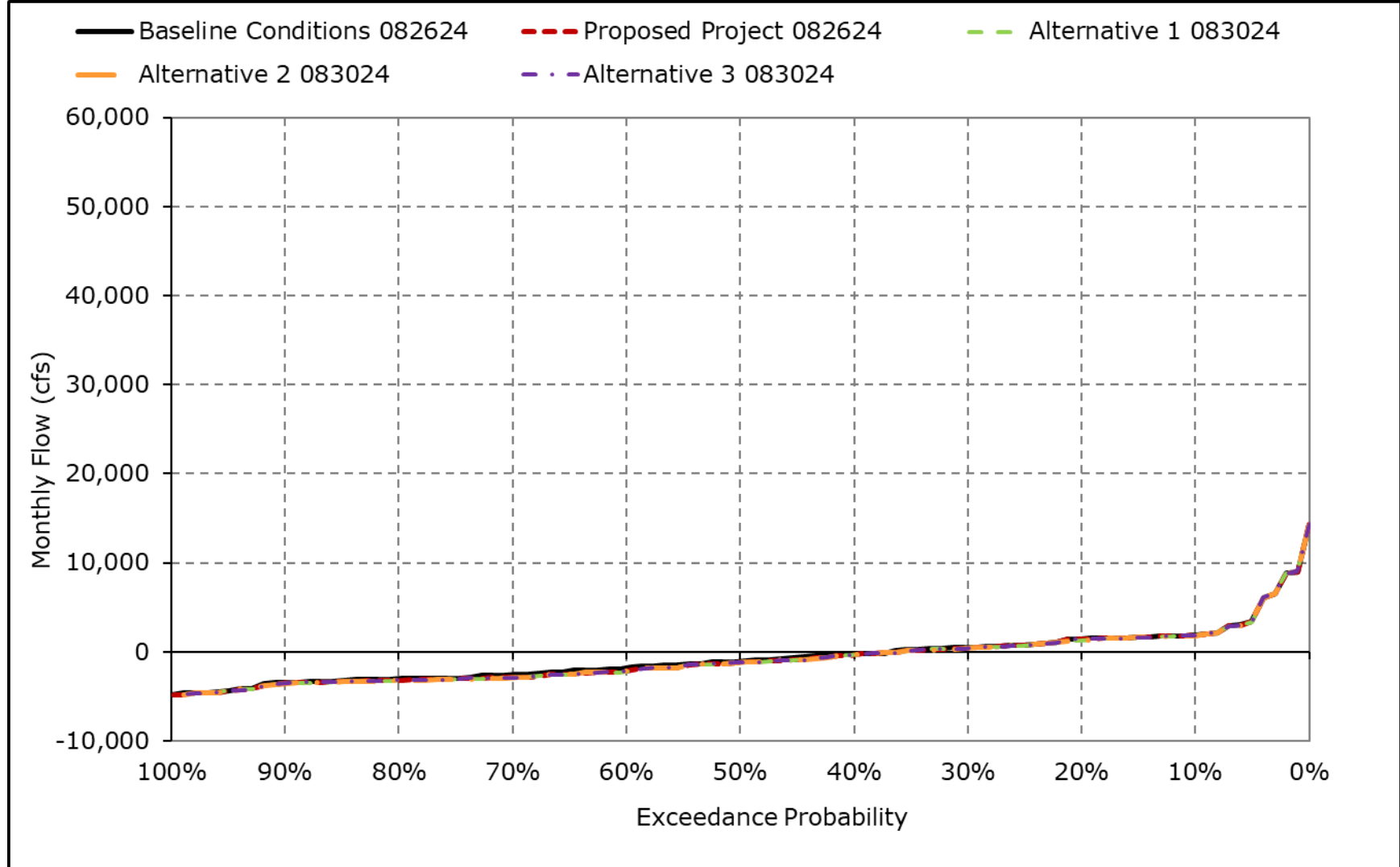
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-3-9o. Qwest, June



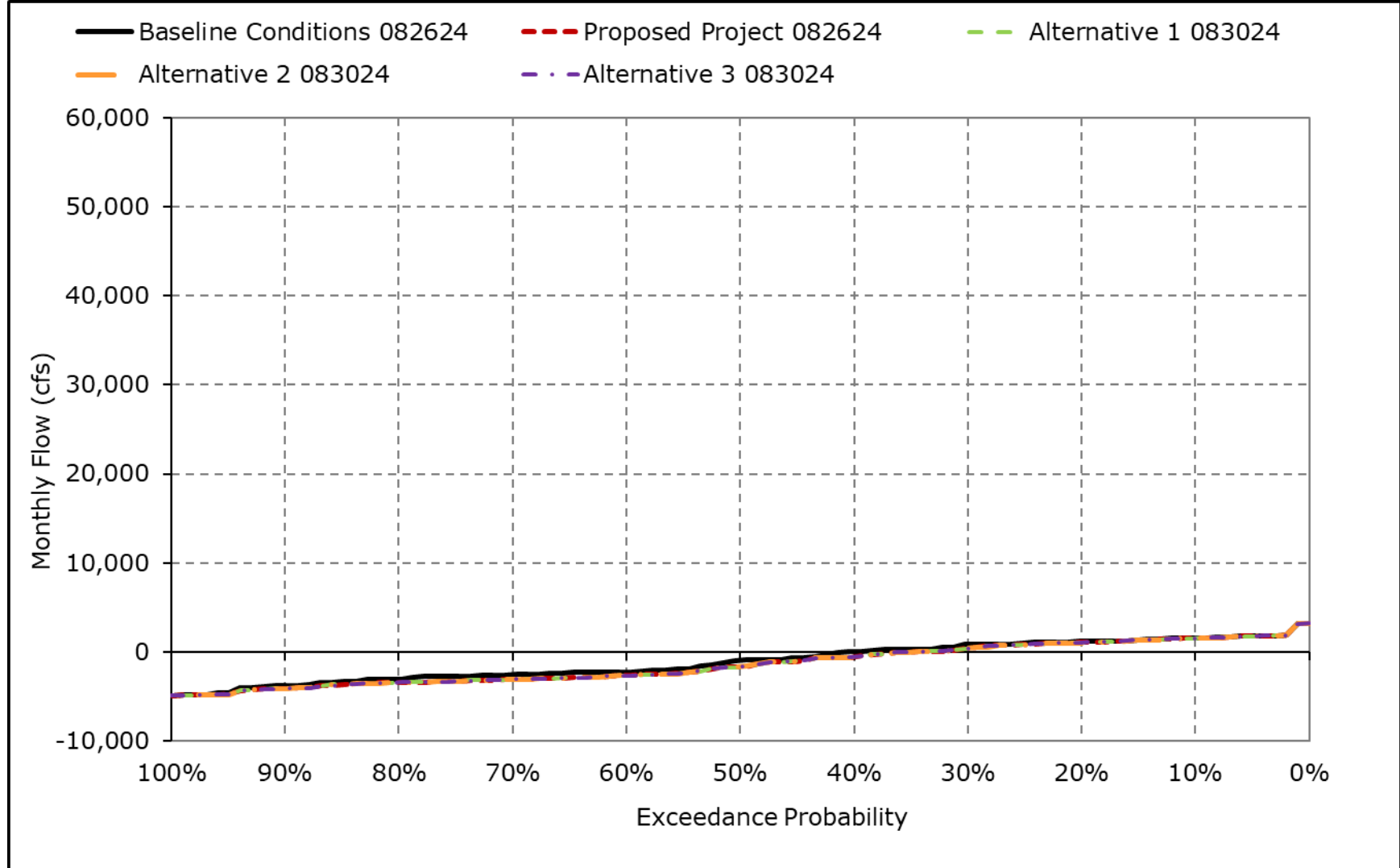
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-3-9p. Qwest, July



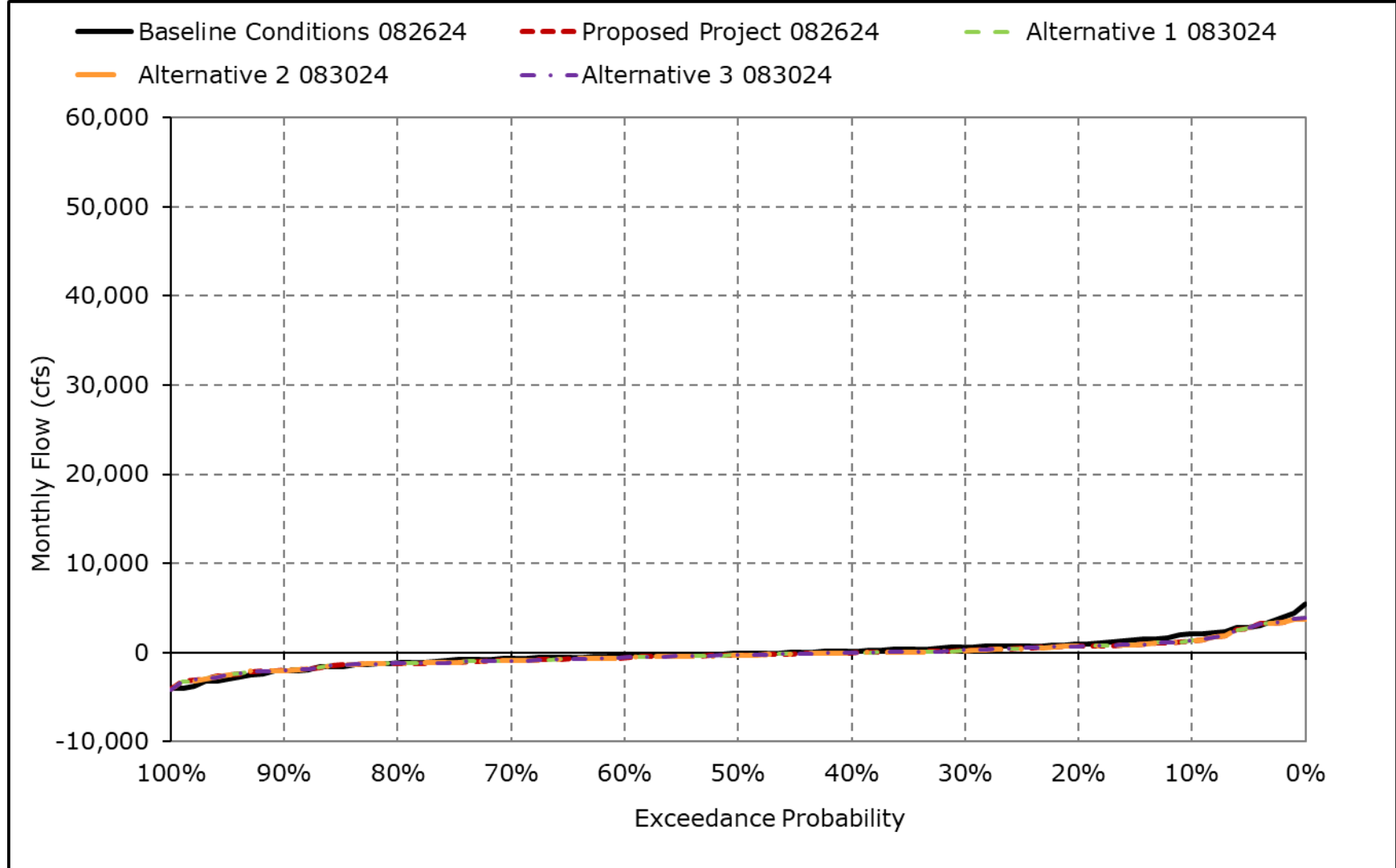
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-3-9q. Qwest, August



*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-3-9r. Qwest, September



*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Table 4C-3-10-1a. Delta Outflow, Baseline Conditions 082624, Monthly Outflow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	8,438	13,624	59,011	112,525	128,285	113,467	67,792	53,491	30,424	11,561	7,017	10,313
20% Exceedance	8,125	7,620	32,860	72,643	82,060	69,795	47,729	35,950	20,512	9,699	6,189	10,156
30% Exceedance	7,969	6,523	20,116	39,101	59,783	52,002	30,353	24,404	12,184	9,053	5,659	10,000
40% Exceedance	7,410	6,042	12,428	28,243	43,041	41,303	24,709	18,883	8,736	8,512	5,488	9,074
50% Exceedance	4,834	5,708	8,699	20,615	30,591	28,115	19,003	15,082	7,277	8,104	4,445	4,063
60% Exceedance	4,110	5,557	7,579	15,265	23,586	22,079	15,133	12,221	7,100	6,522	4,000	3,363
70% Exceedance	4,000	5,121	6,728	12,146	17,910	17,542	12,270	10,627	6,856	5,078	3,979	3,000
80% Exceedance	4,000	4,782	5,931	8,989	12,959	13,029	10,835	9,334	6,081	5,000	3,500	3,000
90% Exceedance	3,000	4,500	5,126	7,694	10,210	9,626	9,551	6,727	4,000	4,000	3,000	3,000
Full Simulation Period Average ^a	6,352	7,865	21,002	42,437	52,812	47,134	30,428	22,855	13,987	8,027	5,119	6,521
Wet Water Years (32%)	7,745	11,099	39,990	89,212	105,597	93,358	58,766	41,598	27,036	11,668	7,242	11,223
Above Normal Water Years (9%)	6,386	6,784	16,470	51,796	54,040	53,952	29,011	24,476	14,645	9,746	6,338	10,254
Below Normal Water Years (20%)	6,331	6,484	12,969	22,072	35,101	31,308	22,225	18,703	8,338	8,053	4,286	3,845
Dry Water Years (21%)	5,797	6,817	12,536	13,473	22,336	19,338	13,514	11,380	6,903	5,165	3,941	3,321
Critical Water Years (18%)	4,530	5,411	8,318	11,023	13,594	11,564	9,606	6,725	5,000	4,004	3,033	3,002

Table 4C-3-10-1b. Delta Outflow, Proposed Project 082624, Monthly Outflow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	8,594	13,505	58,764	111,359	128,097	113,857	67,576	53,050	31,321	11,018	6,113	10,999
20% Exceedance	8,125	7,551	32,831	72,757	81,468	69,492	46,269	35,115	21,375	9,178	5,541	10,315
30% Exceedance	7,813	6,554	20,069	39,424	59,552	52,445	29,281	22,815	13,154	9,003	5,369	10,076
40% Exceedance	7,813	6,108	12,398	28,687	43,434	41,154	24,065	16,985	9,195	8,191	5,166	8,926
50% Exceedance	4,948	5,807	8,925	21,187	31,186	28,662	19,130	14,524	7,600	7,624	4,000	3,902
60% Exceedance	4,087	5,561	7,452	15,439	23,961	22,812	15,209	11,740	7,100	6,522	4,000	3,495
70% Exceedance	4,000	5,119	6,776	11,116	18,912	18,388	12,295	10,614	7,031	5,021	3,500	3,008
80% Exceedance	4,000	4,771	5,960	9,448	13,602	13,836	11,174	9,438	6,698	5,000	3,500	3,000
90% Exceedance	3,000	4,500	5,153	7,786	10,387	9,579	9,518	6,513	4,000	4,000	3,000	3,000
Full Simulation Period Average ^a	6,384	7,869	20,997	42,531	53,129	47,448	30,317	22,222	14,371	7,837	4,865	6,524
Wet Water Years (32%)	7,753	11,123	39,962	89,342	105,756	93,064	58,305	40,691	27,638	11,545	6,885	10,985
Above Normal Water Years (9%)	6,550	6,695	16,260	51,953	54,372	54,604	28,644	23,562	15,403	9,297	5,615	11,150
Below Normal Water Years (20%)	6,412	6,435	13,080	22,178	35,447	32,251	22,235	17,570	8,811	7,660	4,254	3,724
Dry Water Years (21%)	5,762	6,820	12,590	13,507	22,774	20,047	13,937	11,367	7,038	5,016	3,616	3,431
Critical Water Years (18%)	4,558	5,487	8,252	11,076	14,008	11,627	9,486	6,552	5,000	4,004	3,034	3,002

Table 4C-3-10-1c. Delta Outflow, Proposed Project 082624 minus Baseline Conditions 082624, Monthly Outflow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	156	-119	-247	-1,167	-187	389	-216	-441	897	-543	-904	687
20% Exceedance	0	-69	-29	114	-592	-303	-1,460	-835	863	-521	-648	159
30% Exceedance	-156	31	-46	324	-231	443	-1,072	-1,589	970	-51	-290	76
40% Exceedance	403	66	-30	444	393	-149	-644	-1,898	459	-321	-322	-148
50% Exceedance	115	99	226	572	596	546	127	-558	322	-480	-445	-160
60% Exceedance	-23	4	-127	174	375	733	76	-481	0	0	0	132
70% Exceedance	0	-3	48	-1,030	1,002	845	25	-13	175	-57	-479	8
80% Exceedance	0	-11	29	459	643	807	339	103	617	0	0	0
90% Exceedance	0	0	27	92	178	-47	-33	-214	0	0	0	0
Full Simulation Period Average ^a	31	4	-6	93	316	314	-111	-633	384	-189	-254	3
Wet Water Years (32%)	8	24	-28	130	158	-293	-461	-908	602	-123	-358	-238
Above Normal Water Years (9%)	165	-89	-210	157	332	651	-367	-914	759	-449	-723	895
Below Normal Water Years (20%)	80	-50	111	105	346	943	11	-1,134	473	-392	-32	-120
Dry Water Years (21%)	-34	3	54	34	439	709	423	-13	135	-149	-325	110
Critical Water Years (18%)	28	75	-66	53	414	63	-120	-174	0	0	1	0

^a Based on the 100-year simulation period.

* All scenarios are simulated at current climate condition and 0 cm sea level rise.

* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with water year - year type sorting.

Table 4C-3-10-2a. Delta Outflow, Baseline Conditions 082624, Monthly Outflow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	8,438	13,624	59,011	112,525	128,285	113,467	67,792	53,491	30,424	11,561	7,017	10,313
20% Exceedance	8,125	7,620	32,860	72,643	82,060	69,795	47,729	35,950	20,512	9,699	6,189	10,156
30% Exceedance	7,969	6,523	20,116	39,101	59,783	52,002	30,353	24,404	12,184	9,053	5,659	10,000
40% Exceedance	7,410	6,042	12,428	28,243	43,041	41,303	24,709	18,883	8,736	8,512	5,488	9,074
50% Exceedance	4,834	5,708	8,699	20,615	30,591	28,115	19,003	15,082	7,277	8,104	4,445	4,063
60% Exceedance	4,110	5,557	7,579	15,265	23,586	22,079	15,133	12,221	7,100	6,522	4,000	3,363
70% Exceedance	4,000	5,121	6,728	12,146	17,910	17,542	12,270	10,627	6,856	5,078	3,979	3,000
80% Exceedance	4,000	4,782	5,931	8,989	12,959	13,029	10,835	9,334	6,081	5,000	3,500	3,000
90% Exceedance	3,000	4,500	5,126	7,694	10,210	9,626	9,551	6,727	4,000	4,000	3,000	3,000
Full Simulation Period Average ^a	6,352	7,865	21,002	42,437	52,812	47,134	30,428	22,855	13,987	8,027	5,119	6,521
Wet Water Years (32%)	7,745	11,099	39,990	89,212	105,597	93,358	58,766	41,598	27,036	11,668	7,242	11,223
Above Normal Water Years (9%)	6,386	6,784	16,470	51,796	54,040	53,952	29,011	24,476	14,645	9,746	6,338	10,254
Below Normal Water Years (20%)	6,331	6,484	12,969	22,072	35,101	31,308	22,225	18,703	8,338	8,053	4,286	3,845
Dry Water Years (21%)	5,797	6,817	12,536	13,473	22,336	19,338	13,514	11,380	6,903	5,165	3,941	3,321
Critical Water Years (18%)	4,530	5,411	8,318	11,023	13,594	11,564	9,606	6,725	5,000	4,004	3,033	3,002

Table 4C-3-10-2b. Delta Outflow, Alternative 1 083024, Monthly Outflow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	8,594	13,505	58,669	111,328	128,119	113,940	67,607	53,055	31,319	11,018	6,079	10,999
20% Exceedance	8,125	7,550	32,833	72,759	81,476	69,496	46,101	35,603	21,376	9,171	5,541	10,315
30% Exceedance	7,813	6,600	20,098	39,424	59,546	52,303	28,963	23,242	13,154	8,945	5,369	10,076
40% Exceedance	7,813	6,095	12,397	28,684	43,432	41,154	23,961	17,595	9,193	8,188	5,166	8,927
50% Exceedance	4,950	5,806	9,130	21,187	31,167	28,526	18,885	15,097	7,616	7,556	4,001	3,969
60% Exceedance	4,114	5,559	7,515	15,439	24,087	22,704	14,960	12,247	7,100	6,522	4,000	3,492
70% Exceedance	4,000	5,087	6,797	11,116	18,918	18,206	12,058	11,182	7,031	5,020	3,500	3,008
80% Exceedance	4,000	4,731	5,964	9,420	13,600	13,620	10,970	10,001	6,698	5,000	3,500	3,000
90% Exceedance	3,000	4,500	5,144	7,788	10,386	9,411	9,518	6,516	4,000	4,000	3,000	3,000
Full Simulation Period Average ^a	6,395	7,862	21,018	42,542	53,148	47,360	30,151	22,516	14,371	7,817	4,864	6,522
Wet Water Years (32%)	7,765	11,127	39,978	89,364	105,793	93,212	58,296	40,691	27,638	11,545	6,885	10,985
Above Normal Water Years (9%)	6,551	6,721	16,317	51,959	54,424	54,186	28,422	24,170	15,403	9,260	5,607	11,150
Below Normal Water Years (20%)	6,415	6,432	13,066	22,205	35,463	32,050	21,816	18,184	8,813	7,576	4,265	3,711
Dry Water Years (21%)	5,763	6,821	12,586	13,501	22,774	19,775	13,656	11,920	7,039	5,014	3,610	3,433
Critical Water Years (18%)	4,593	5,433	8,335	11,071	14,007	11,625	9,485	6,556	4,999	4,004	3,030	3,002

Table 4C-3-10-2c. Delta Outflow, Alternative 1 083024 minus Baseline Conditions 082624, Monthly Outflow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	156	-119	-342	-1,197	-165	473	-184	-435	895	-543	-938	687
20% Exceedance	0	-70	-27	116	-584	-299	-1,628	-347	864	-528	-648	159
30% Exceedance	-156	77	-17	324	-236	301	-1,390	-1,163	970	-108	-290	76
40% Exceedance	403	53	-32	440	391	-149	-748	-1,288	457	-323	-322	-147
50% Exceedance	116	97	431	572	576	411	-117	14	339	-548	-444	-93
60% Exceedance	4	2	-65	175	501	625	-173	27	0	0	0	129
70% Exceedance	0	-34	69	-1,030	1,008	663	-212	555	175	-58	-479	8
80% Exceedance	0	-51	33	432	641	591	135	667	617	0	0	0
90% Exceedance	0	0	18	93	177	-214	-33	-211	0	0	0	0
Full Simulation Period Average ^a	42	-2	15	104	336	226	-277	-339	384	-210	-254	1
Wet Water Years (32%)	20	28	-12	153	196	-145	-471	-907	602	-123	-357	-238
Above Normal Water Years (9%)	165	-62	-153	162	384	233	-589	-306	758	-486	-731	895
Below Normal Water Years (20%)	83	-52	97	133	362	742	-409	-520	475	-477	-21	-134
Dry Water Years (21%)	-33	4	51	28	438	436	142	540	135	-150	-331	112
Critical Water Years (18%)	63	21	17	48	413	62	-121	-169	0	0	-3	0

^a Based on the 100-year simulation period.

* All scenarios are simulated at current climate condition and 0 cm sea level rise.

* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with water year - year type sorting.

Table 4C-3-10-3a. Delta Outflow, Baseline Conditions 082624, Monthly Outflow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	8,438	13,624	59,011	112,525	128,285	113,467	67,792	53,491	30,424	11,561	7,017	10,313
20% Exceedance	8,125	7,620	32,860	72,643	82,060	69,795	47,729	35,950	20,512	9,699	6,189	10,156
30% Exceedance	7,969	6,523	20,116	39,101	59,783	52,002	30,353	24,404	12,184	9,053	5,659	10,000
40% Exceedance	7,410	6,042	12,428	28,243	43,041	41,303	24,709	18,883	8,736	8,512	5,488	9,074
50% Exceedance	4,834	5,708	8,699	20,615	30,591	28,115	19,003	15,082	7,277	8,104	4,445	4,063
60% Exceedance	4,110	5,557	7,579	15,265	23,586	22,079	15,133	12,221	7,100	6,522	4,000	3,363
70% Exceedance	4,000	5,121	6,728	12,146	17,910	17,542	12,270	10,627	6,856	5,078	3,979	3,000
80% Exceedance	4,000	4,782	5,931	8,989	12,959	13,029	10,835	9,334	6,081	5,000	3,500	3,000
90% Exceedance	3,000	4,500	5,126	7,694	10,210	9,626	9,551	6,727	4,000	4,000	3,000	3,000
Full Simulation Period Average ^a	6,352	7,865	21,002	42,437	52,812	47,134	30,428	22,855	13,987	8,027	5,119	6,521
Wet Water Years (32%)	7,745	11,099	39,990	89,212	105,597	93,358	58,766	41,598	27,036	11,668	7,242	11,223
Above Normal Water Years (9%)	6,386	6,784	16,470	51,796	54,040	53,952	29,011	24,476	14,645	9,746	6,338	10,254
Below Normal Water Years (20%)	6,331	6,484	12,969	22,072	35,101	31,308	22,225	18,703	8,338	8,053	4,286	3,845
Dry Water Years (21%)	5,797	6,817	12,536	13,473	22,336	19,338	13,514	11,380	6,903	5,165	3,941	3,321
Critical Water Years (18%)	4,530	5,411	8,318	11,023	13,594	11,564	9,606	6,725	5,000	4,004	3,033	3,002

Table 4C-3-10-3b. Delta Outflow, Alternative 2 083024, Monthly Outflow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	8,594	13,505	59,520	111,327	128,119	113,823	67,575	53,052	31,319	11,018	6,079	10,998
20% Exceedance	8,125	7,547	32,832	72,758	81,476	69,493	46,100	35,603	21,375	9,171	5,541	10,315
30% Exceedance	7,813	6,569	20,090	39,424	59,546	52,302	28,972	23,240	13,154	8,945	5,369	10,068
40% Exceedance	7,813	6,098	12,396	28,684	43,432	41,153	23,960	17,594	9,193	8,188	5,166	8,920
50% Exceedance	4,950	5,807	8,937	21,187	31,166	28,527	18,885	15,097	7,615	7,557	4,007	3,969
60% Exceedance	4,114	5,523	7,589	15,438	23,960	22,704	14,960	12,247	7,100	6,522	4,000	3,487
70% Exceedance	4,000	5,084	6,796	11,116	18,921	18,205	12,058	11,182	7,031	5,020	3,500	3,006
80% Exceedance	4,000	4,731	5,962	9,444	13,596	13,620	10,970	9,998	6,698	5,000	3,500	3,000
90% Exceedance	3,000	4,500	5,150	7,750	10,386	9,411	9,518	6,516	4,000	4,000	3,000	3,000
Full Simulation Period Average ^a	6,394	7,856	21,025	42,523	53,136	47,299	30,158	22,516	14,371	7,817	4,864	6,522
Wet Water Years (32%)	7,764	11,124	40,006	89,349	105,783	93,062	58,303	40,692	27,638	11,546	6,885	10,984
Above Normal Water Years (9%)	6,551	6,717	16,266	51,957	54,380	54,192	28,429	24,171	15,403	9,260	5,607	11,150
Below Normal Water Years (20%)	6,417	6,431	13,089	22,165	35,443	32,049	21,815	18,184	8,813	7,575	4,267	3,712
Dry Water Years (21%)	5,763	6,808	12,575	13,480	22,768	19,712	13,675	11,917	7,039	5,014	3,610	3,432
Critical Water Years (18%)	4,593	5,423	8,339	11,064	14,007	11,625	9,485	6,556	4,999	4,004	3,030	3,002

Table 4C-3-10-3c. Delta Outflow, Alternative 2 083024 minus Baseline Conditions 082624, Monthly Outflow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	156	-119	509	-1,198	-166	356	-216	-438	894	-543	-938	686
20% Exceedance	0	-73	-28	115	-584	-302	-1,628	-347	863	-528	-648	159
30% Exceedance	-156	46	-26	323	-237	300	-1,380	-1,165	970	-108	-290	68
40% Exceedance	403	56	-32	441	390	-149	-749	-1,288	457	-323	-322	-154
50% Exceedance	116	99	238	572	575	411	-118	14	338	-547	-438	-93
60% Exceedance	4	-34	9	173	374	625	-173	27	0	0	0	125
70% Exceedance	0	-37	68	-1,031	1,011	663	-212	555	175	-58	-479	6
80% Exceedance	0	-51	31	455	637	591	135	664	617	0	0	0
90% Exceedance	0	0	24	56	177	-214	-33	-211	0	0	0	0
Full Simulation Period Average ^a	42	-8	23	86	323	165	-270	-339	384	-210	-254	1
Wet Water Years (32%)	18	25	16	138	186	-296	-463	-906	601	-123	-358	-239
Above Normal Water Years (9%)	165	-67	-204	161	340	240	-582	-305	758	-486	-731	895
Below Normal Water Years (20%)	86	-53	120	93	342	741	-410	-520	475	-477	-19	-133
Dry Water Years (21%)	-33	-9	40	7	432	373	160	537	135	-150	-331	110
Critical Water Years (18%)	63	12	21	41	413	62	-121	-169	0	0	-3	0

^a Based on the 100-year simulation period.

* All scenarios are simulated at current climate condition and 0 cm sea level rise.

* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with water year - year type sorting.

Table 4C-3-10-4a. Delta Outflow, Baseline Conditions 082624, Monthly Outflow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	8,438	13,624	59,011	112,525	128,285	113,467	67,792	53,491	30,424	11,561	7,017	10,313
20% Exceedance	8,125	7,620	32,860	72,643	82,060	69,795	47,729	35,950	20,512	9,699	6,189	10,156
30% Exceedance	7,969	6,523	20,116	39,101	59,783	52,002	30,353	24,404	12,184	9,053	5,659	10,000
40% Exceedance	7,410	6,042	12,428	28,243	43,041	41,303	24,709	18,883	8,736	8,512	5,488	9,074
50% Exceedance	4,834	5,708	8,699	20,615	30,591	28,115	19,003	15,082	7,277	8,104	4,445	4,063
60% Exceedance	4,110	5,557	7,579	15,265	23,586	22,079	15,133	12,221	7,100	6,522	4,000	3,363
70% Exceedance	4,000	5,121	6,728	12,146	17,910	17,542	12,270	10,627	6,856	5,078	3,979	3,000
80% Exceedance	4,000	4,782	5,931	8,989	12,959	13,029	10,835	9,334	6,081	5,000	3,500	3,000
90% Exceedance	3,000	4,500	5,126	7,694	10,210	9,626	9,551	6,727	4,000	4,000	3,000	3,000
Full Simulation Period Average ^a	6,352	7,865	21,002	42,437	52,812	47,134	30,428	22,855	13,987	8,027	5,119	6,521
Wet Water Years (32%)	7,745	11,099	39,990	89,212	105,597	93,358	58,766	41,598	27,036	11,668	7,242	11,223
Above Normal Water Years (9%)	6,386	6,784	16,470	51,796	54,040	53,952	29,011	24,476	14,645	9,746	6,338	10,254
Below Normal Water Years (20%)	6,331	6,484	12,969	22,072	35,101	31,308	22,225	18,703	8,338	8,053	4,286	3,845
Dry Water Years (21%)	5,797	6,817	12,536	13,473	22,336	19,338	13,514	11,380	6,903	5,165	3,941	3,321
Critical Water Years (18%)	4,530	5,411	8,318	11,023	13,594	11,564	9,606	6,725	5,000	4,004	3,033	3,002

Table 4C-3-10-4b. Delta Outflow, Alternative 3 083024, Monthly Outflow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	8,594	13,505	58,670	111,359	128,098	113,933	67,617	53,052	31,321	11,018	6,111	10,999
20% Exceedance	8,125	7,551	32,832	72,757	81,468	69,493	46,269	35,116	21,375	9,178	5,541	10,315
30% Exceedance	7,813	6,557	20,079	39,425	59,552	52,445	29,248	22,815	13,154	9,003	5,369	10,068
40% Exceedance	7,813	6,108	12,393	28,686	43,430	41,154	24,072	16,985	9,195	8,191	5,166	8,927
50% Exceedance	4,950	5,808	9,109	21,187	31,190	28,661	19,130	14,525	7,600	7,624	4,000	3,948
60% Exceedance	4,087	5,561	7,452	15,439	24,087	22,813	15,209	11,740	7,100	6,522	4,000	3,493
70% Exceedance	4,000	5,117	6,784	11,116	18,912	18,388	12,291	10,615	7,031	5,021	3,500	3,008
80% Exceedance	4,000	4,773	5,962	9,421	13,603	13,836	11,174	9,441	6,698	5,000	3,500	3,000
90% Exceedance	3,000	4,500	5,153	7,756	10,387	9,579	9,518	6,513	4,000	4,000	3,000	3,000
Full Simulation Period Average ^a	6,383	7,873	20,994	42,536	53,139	47,493	30,313	22,223	14,371	7,838	4,865	6,525
Wet Water Years (32%)	7,753	11,130	39,960	89,352	105,766	93,199	58,294	40,694	27,638	11,546	6,885	10,984
Above Normal Water Years (9%)	6,551	6,708	16,309	51,957	54,419	54,599	28,640	23,562	15,404	9,297	5,615	11,150
Below Normal Water Years (20%)	6,412	6,436	13,055	22,210	35,465	32,254	22,236	17,570	8,811	7,660	4,254	3,729
Dry Water Years (21%)	5,763	6,823	12,585	13,503	22,775	20,049	13,936	11,367	7,038	5,016	3,616	3,431
Critical Water Years (18%)	4,556	5,490	8,252	11,055	14,004	11,634	9,486	6,551	5,000	4,004	3,033	3,002

Table 4C-3-10-4c. Delta Outflow, Alternative 3 083024 minus Baseline Conditions 082624, Monthly Outflow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	156	-119	-341	-1,166	-187	465	-175	-438	897	-542	-906	687
20% Exceedance	0	-69	-28	114	-592	-301	-1,460	-835	863	-521	-648	159
30% Exceedance	-156	34	-37	324	-231	443	-1,105	-1,590	970	-51	-290	68
40% Exceedance	403	66	-35	443	389	-149	-637	-1,898	459	-321	-322	-147
50% Exceedance	116	100	410	572	599	546	127	-558	323	-480	-445	-114
60% Exceedance	-23	4	-127	174	501	734	76	-481	0	0	0	130
70% Exceedance	0	-5	55	-1,030	1,002	846	21	-12	175	-57	-479	8
80% Exceedance	0	-9	31	432	644	807	339	107	617	0	0	0
90% Exceedance	0	0	27	61	178	-47	-33	-214	0	0	0	0
Full Simulation Period Average ^a	31	9	-8	99	327	358	-115	-632	384	-189	-254	4
Wet Water Years (32%)	8	31	-30	141	169	-159	-473	-904	602	-122	-357	-239
Above Normal Water Years (9%)	165	-76	-161	160	379	647	-371	-915	759	-449	-723	895
Below Normal Water Years (20%)	80	-49	86	137	363	945	12	-1,133	473	-392	-32	-116
Dry Water Years (21%)	-33	6	50	31	440	710	422	-12	135	-149	-325	110
Critical Water Years (18%)	26	78	-66	32	409	70	-121	-174	0	0	0	0

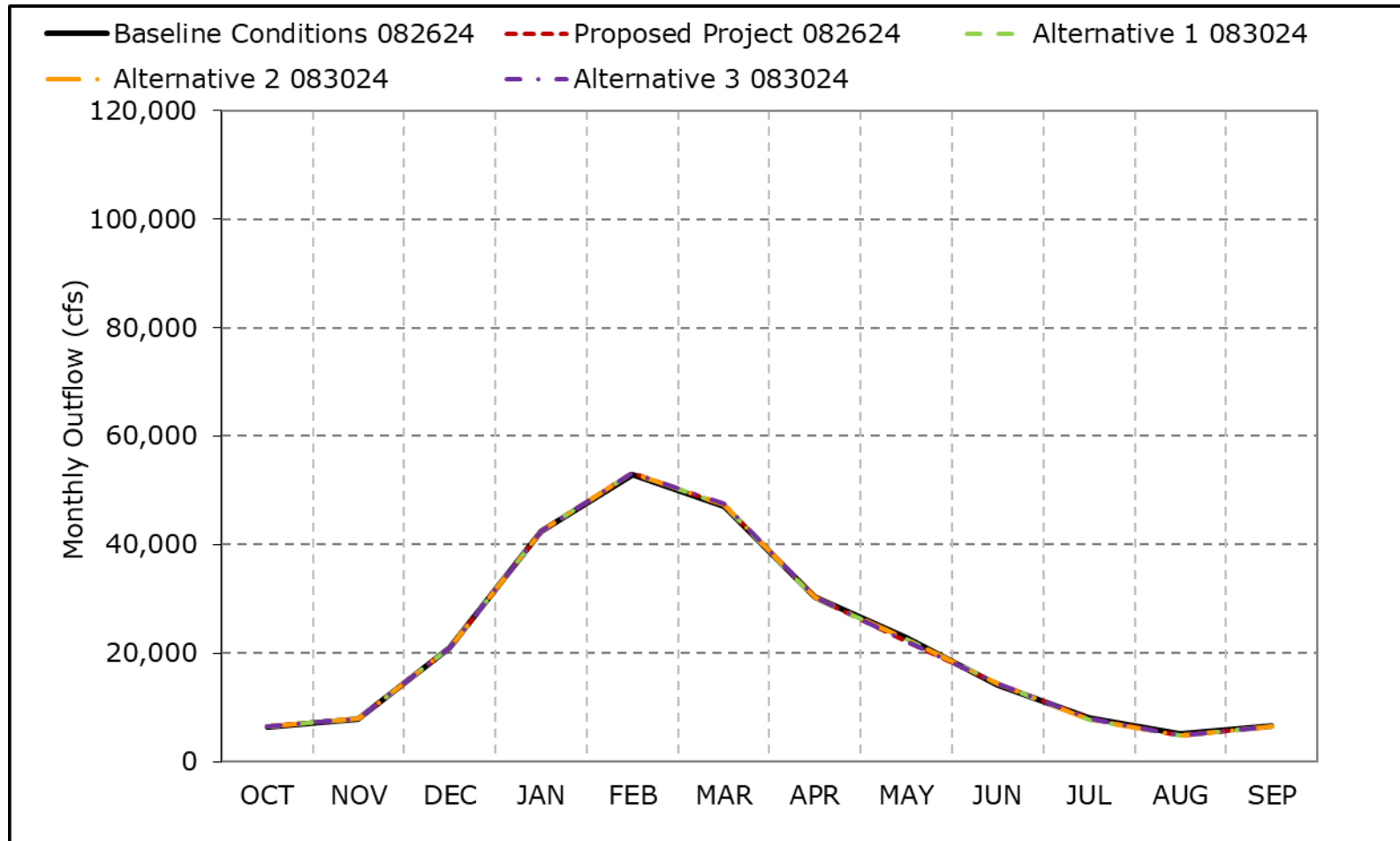
^a Based on the 100-year simulation period.

* All scenarios are simulated at current climate condition and 0 cm sea level rise.

* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with water year - year type sorting.

Figure 4C-3-10a. Delta Outflow, Long-Term Average Outflow

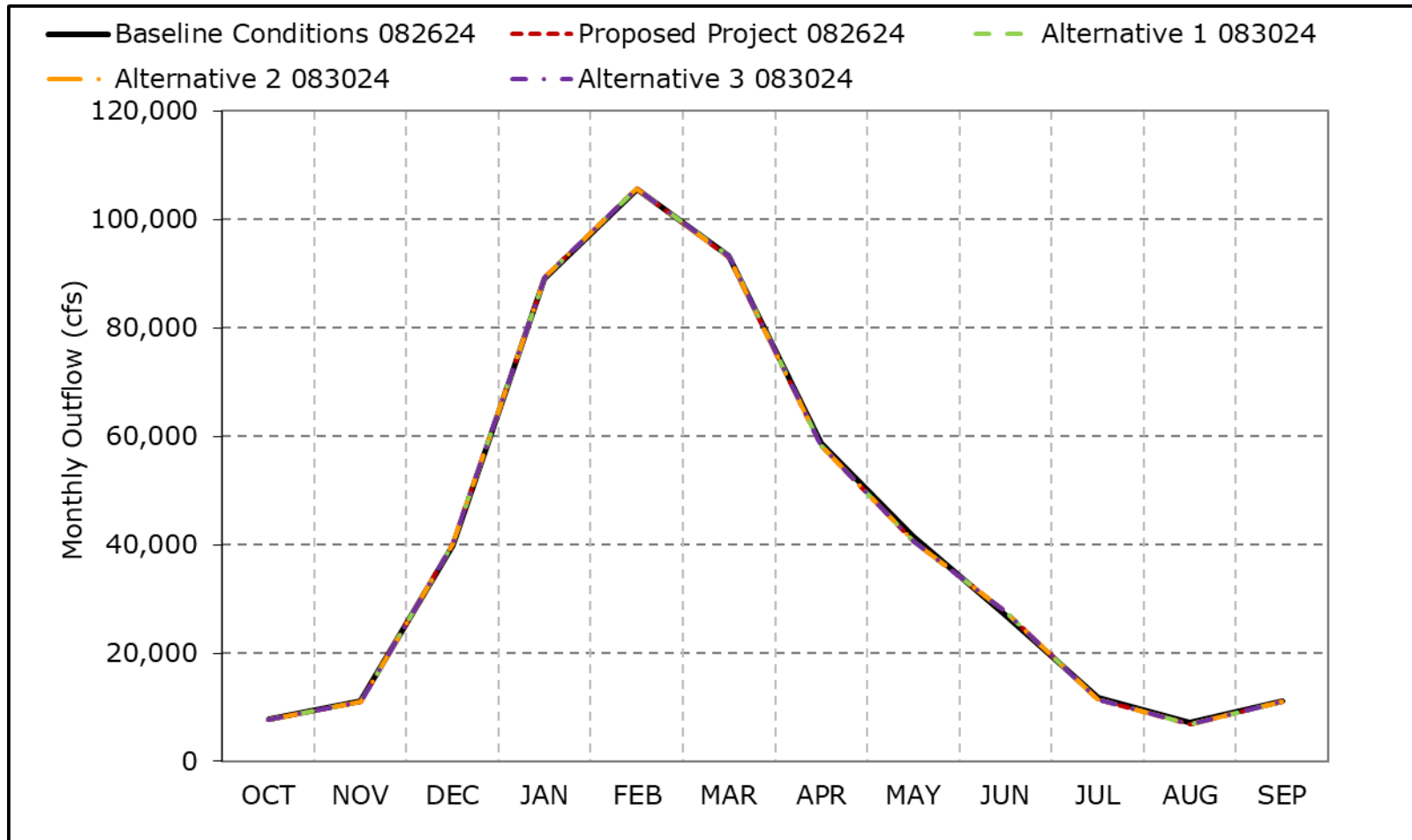


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with water year - year type sorting.

*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-3-10b. Delta Outflow, Wet Year Average Outflow

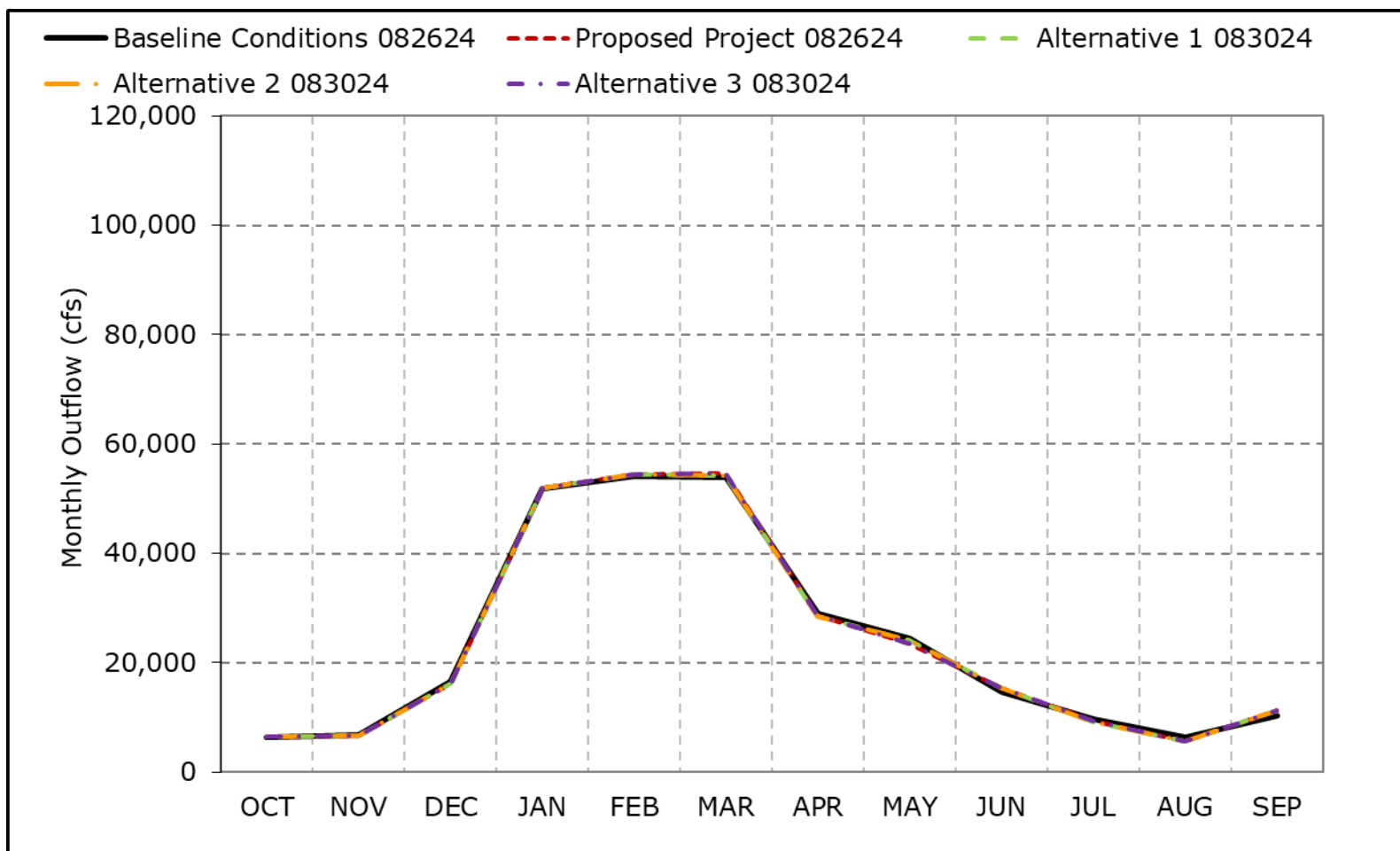


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with water year - year type sorting.

*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-3-10c. Delta Outflow, Above Normal Year Average Outflow

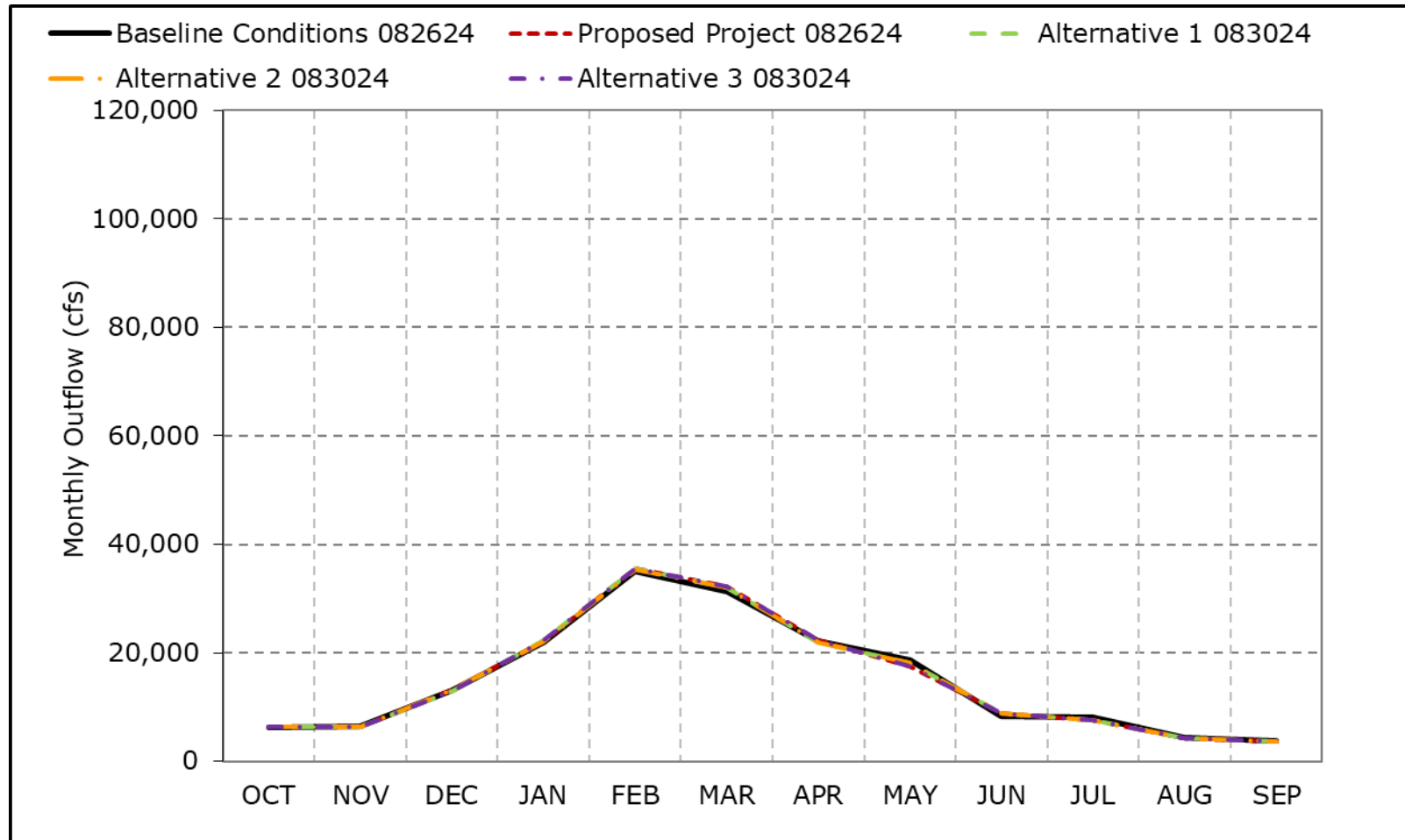


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with water year - year type sorting.

*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-3-10d. Delta Outflow, Below Normal Year Average Outflow

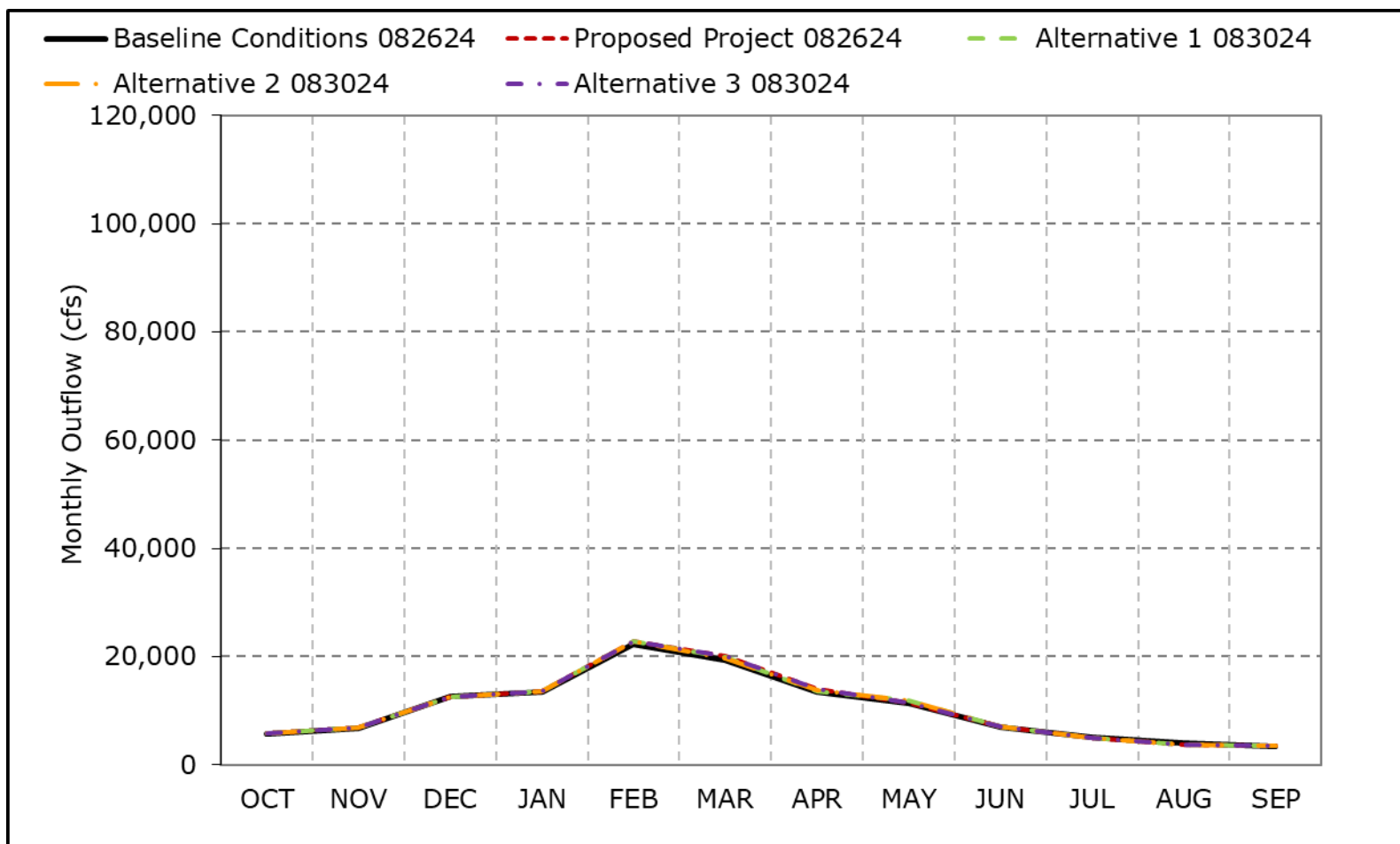


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with water year - year type sorting.

*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-3-10e. Delta Outflow, Dry Year Average Outflow

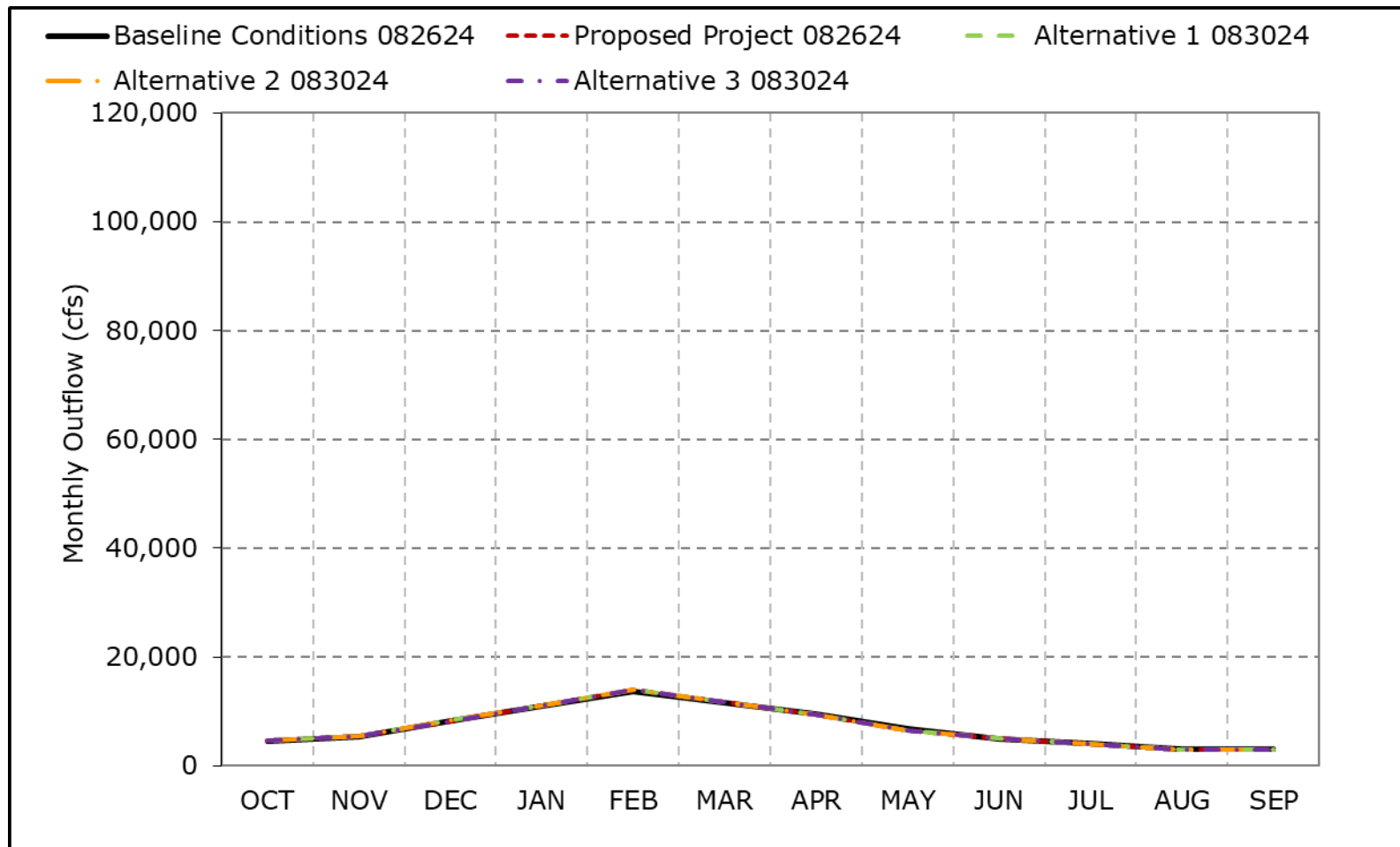


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with water year - year type sorting.

*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-3-10f. Delta Outflow, Critical Year Average Outflow

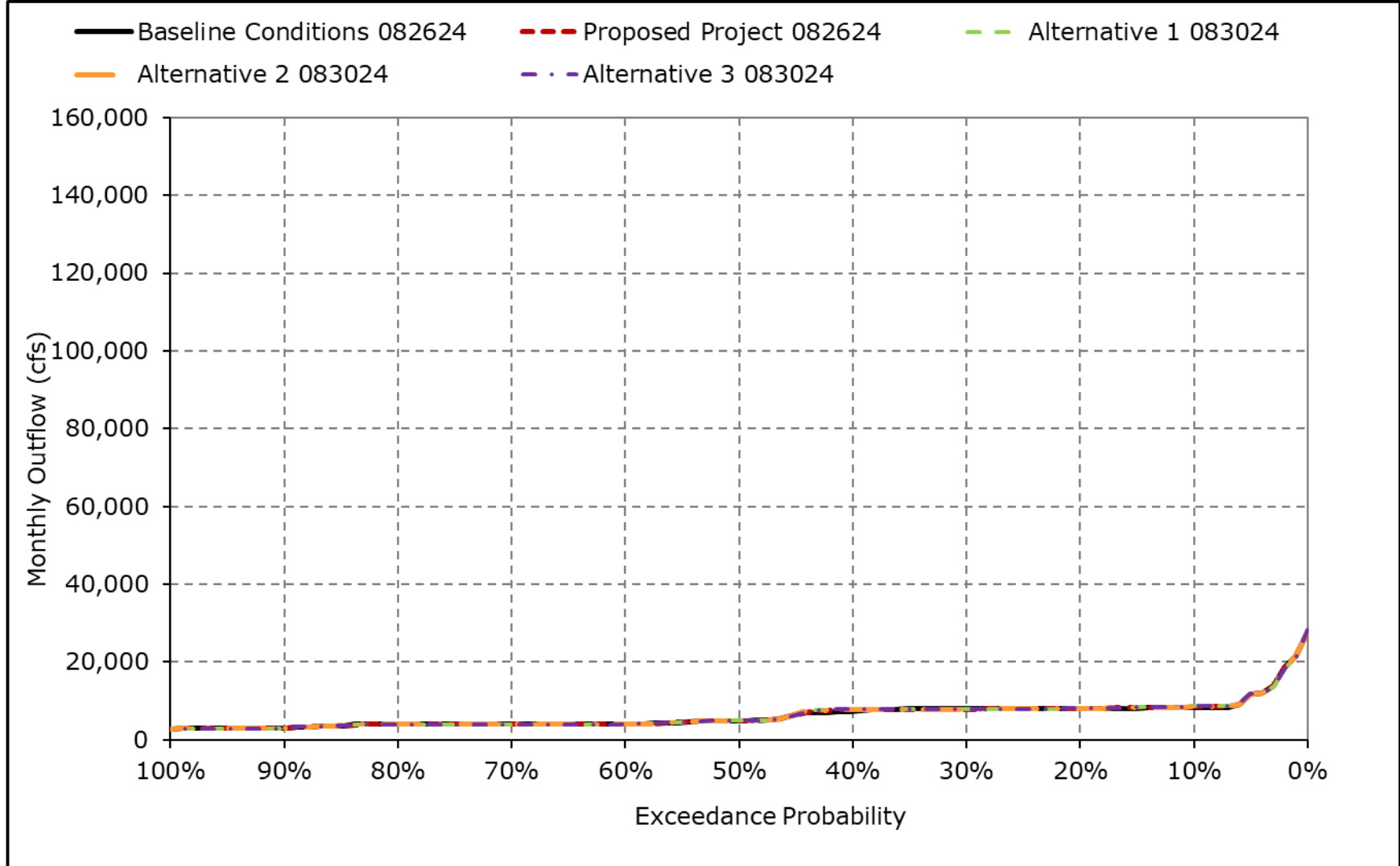


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with water year - year type sorting.

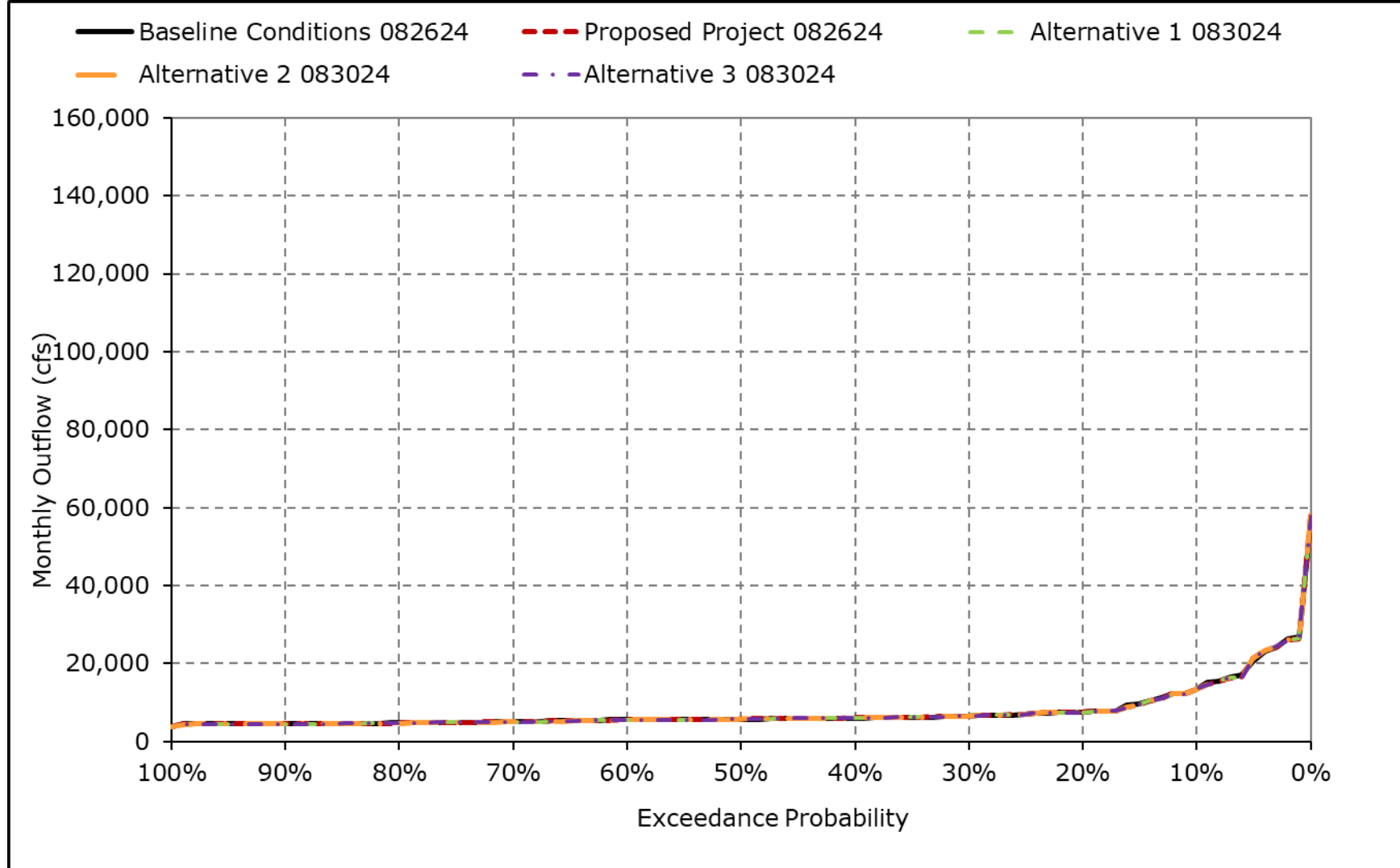
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-3-10g. Delta Outflow, October



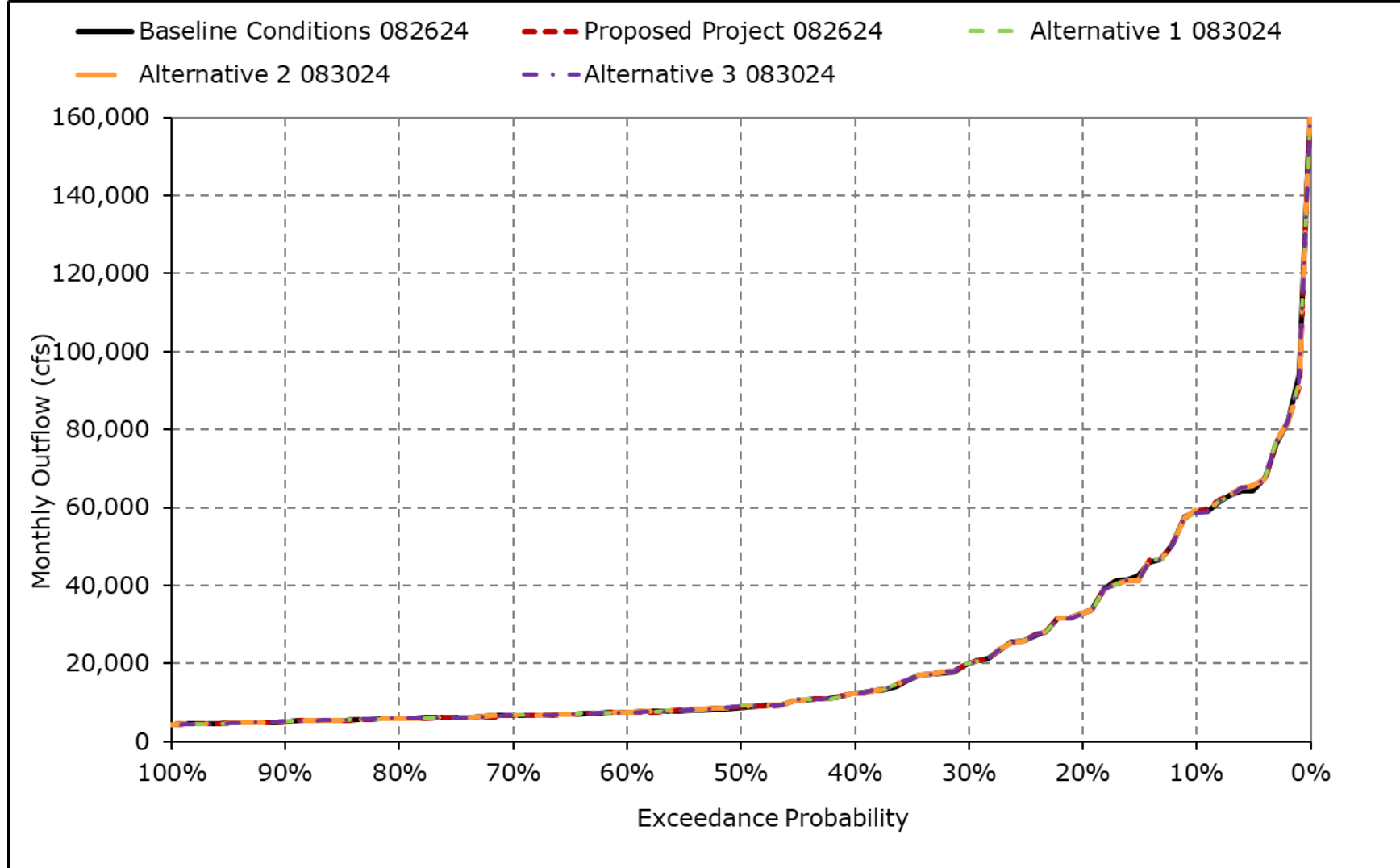
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-3-10h. Delta Outflow, November



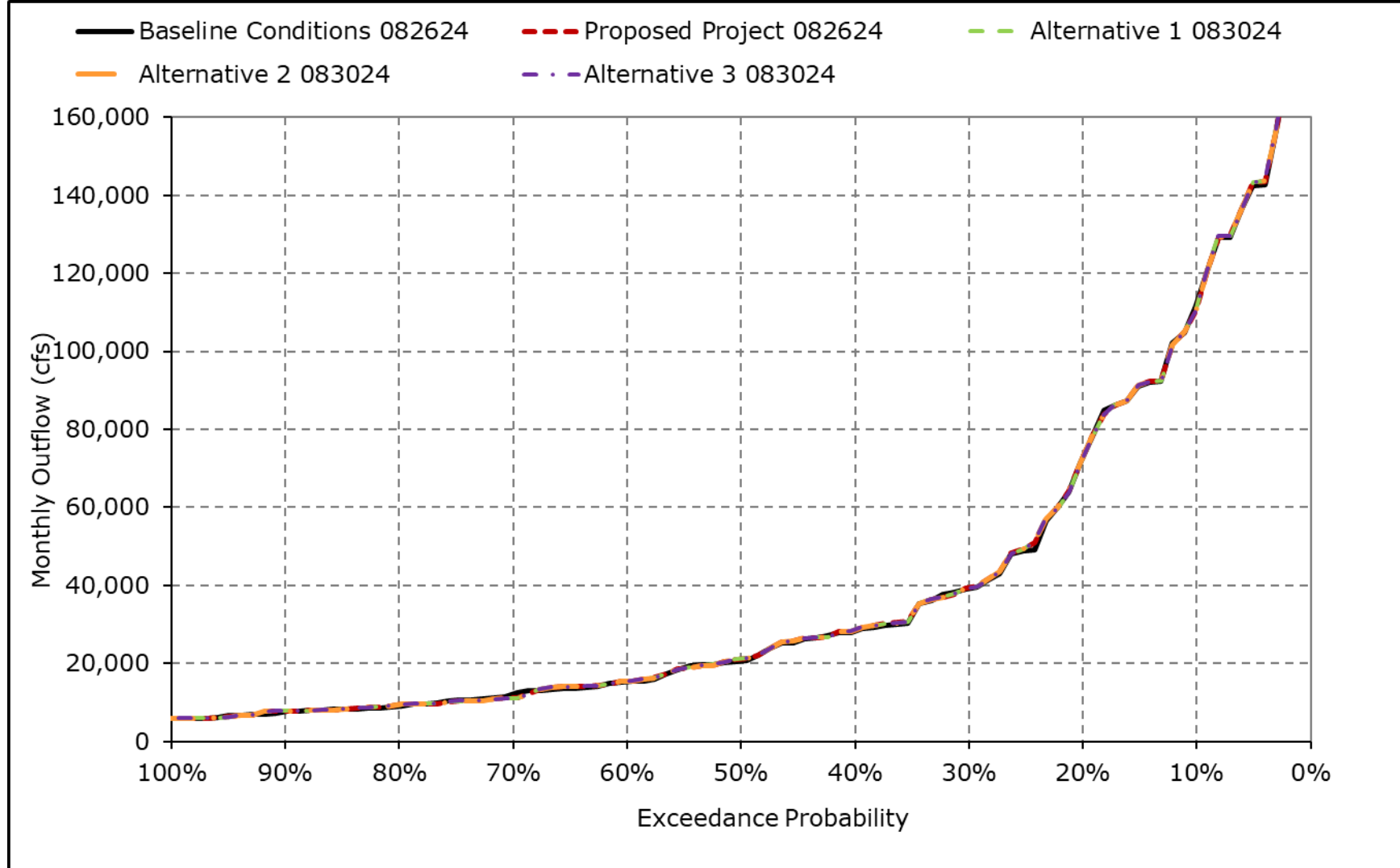
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-3-10i. Delta Outflow, December



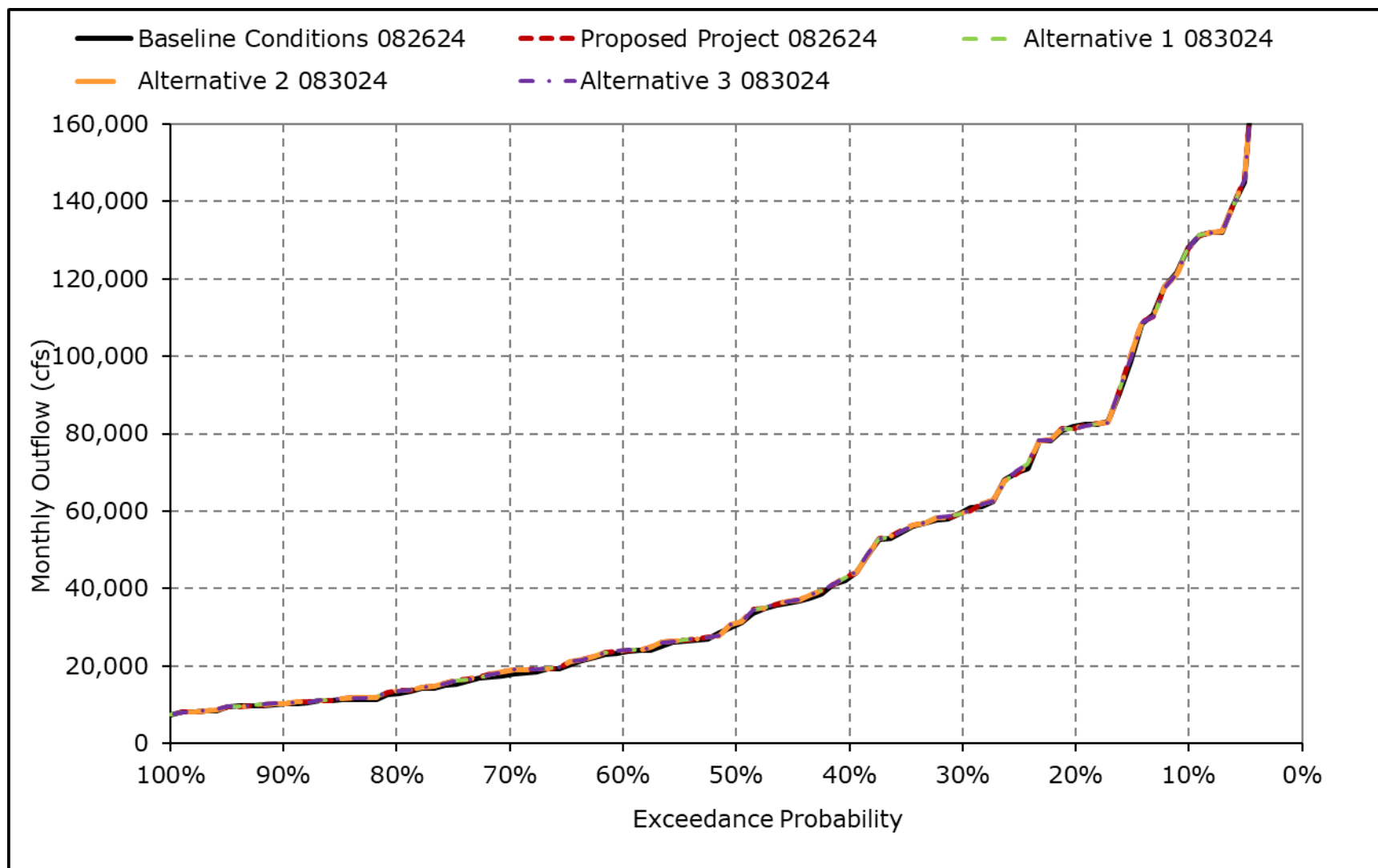
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-3-10j. Delta Outflow, January



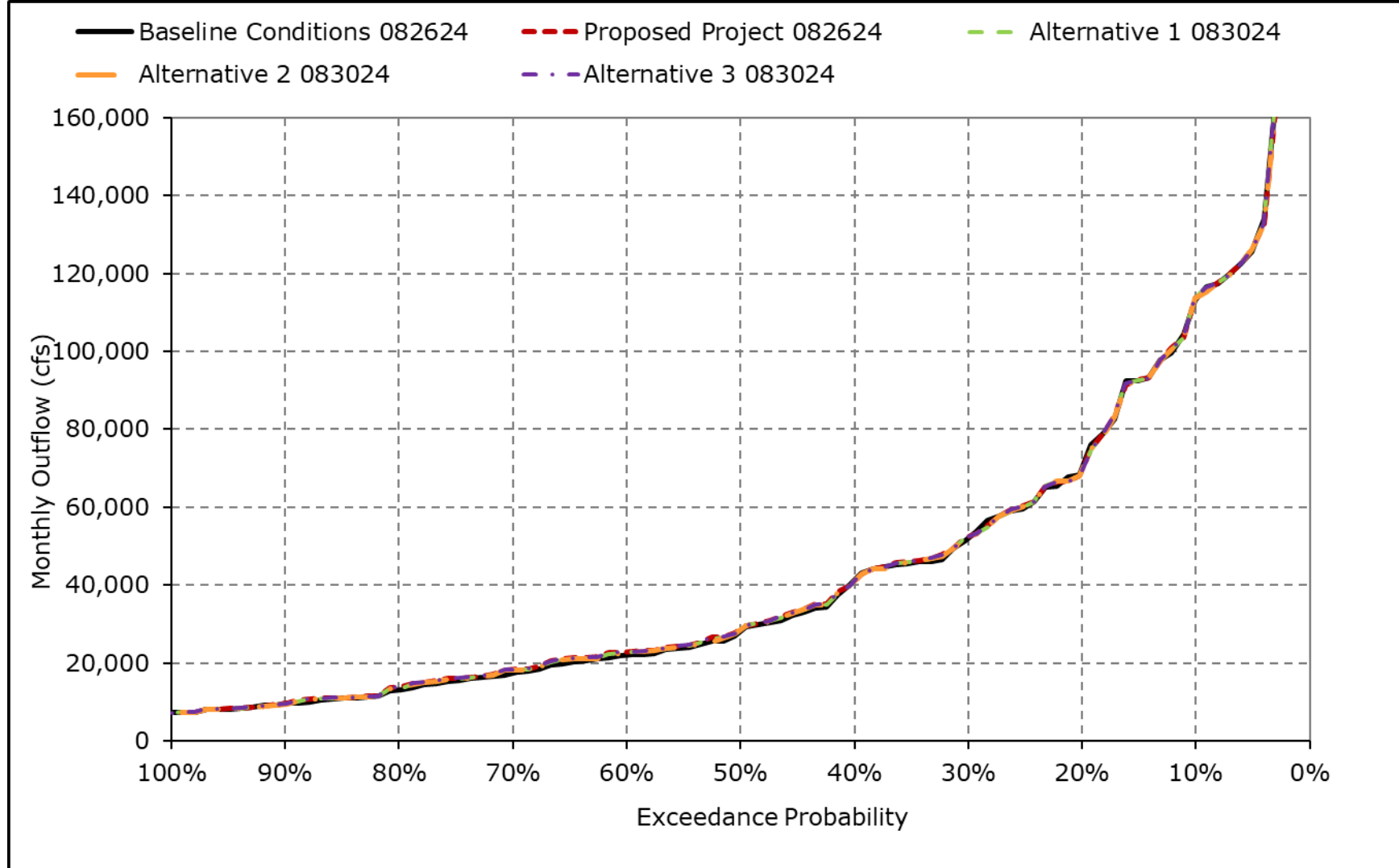
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-3-10k. Delta Outflow, February



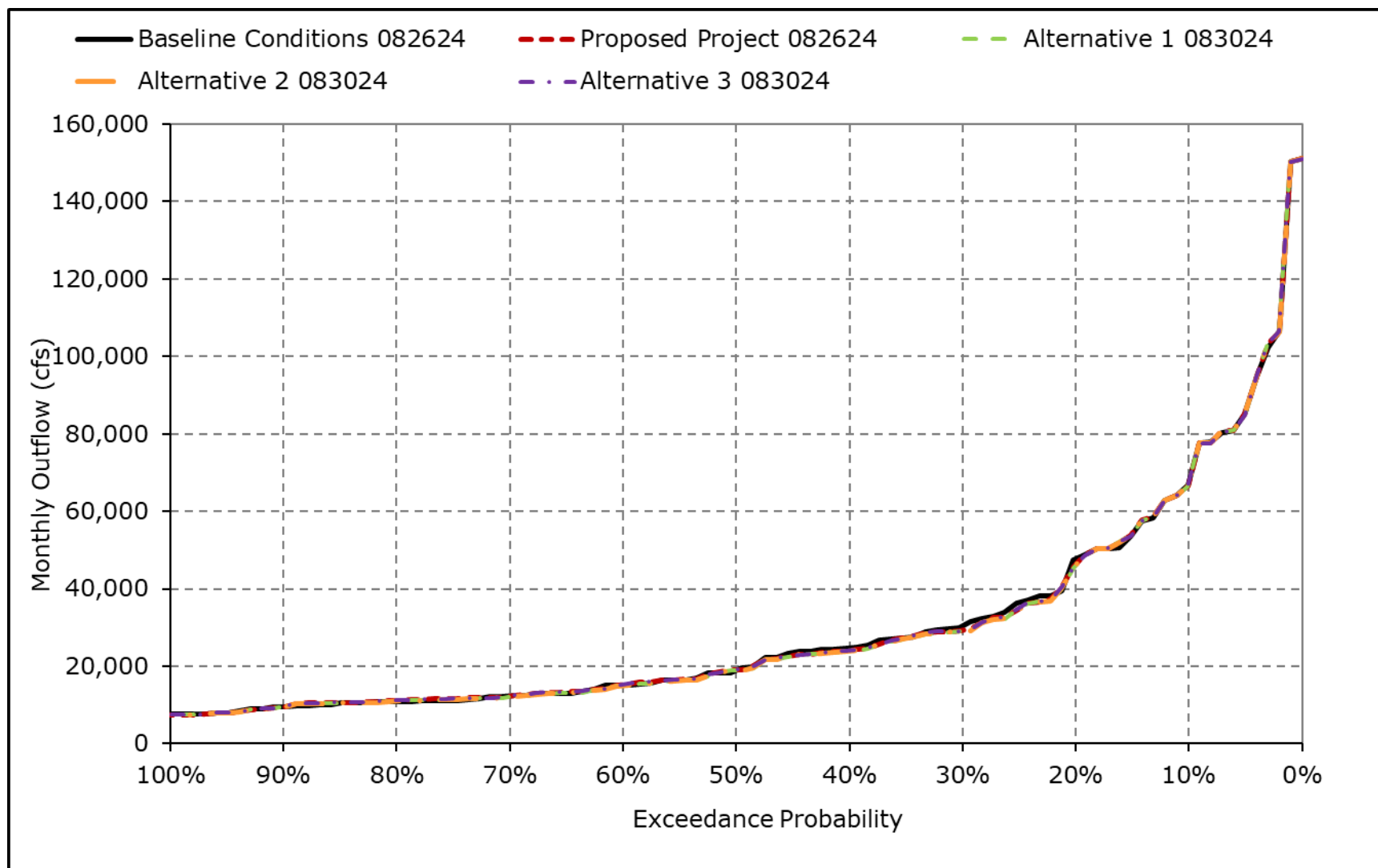
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-3-10I. Delta Outflow, March



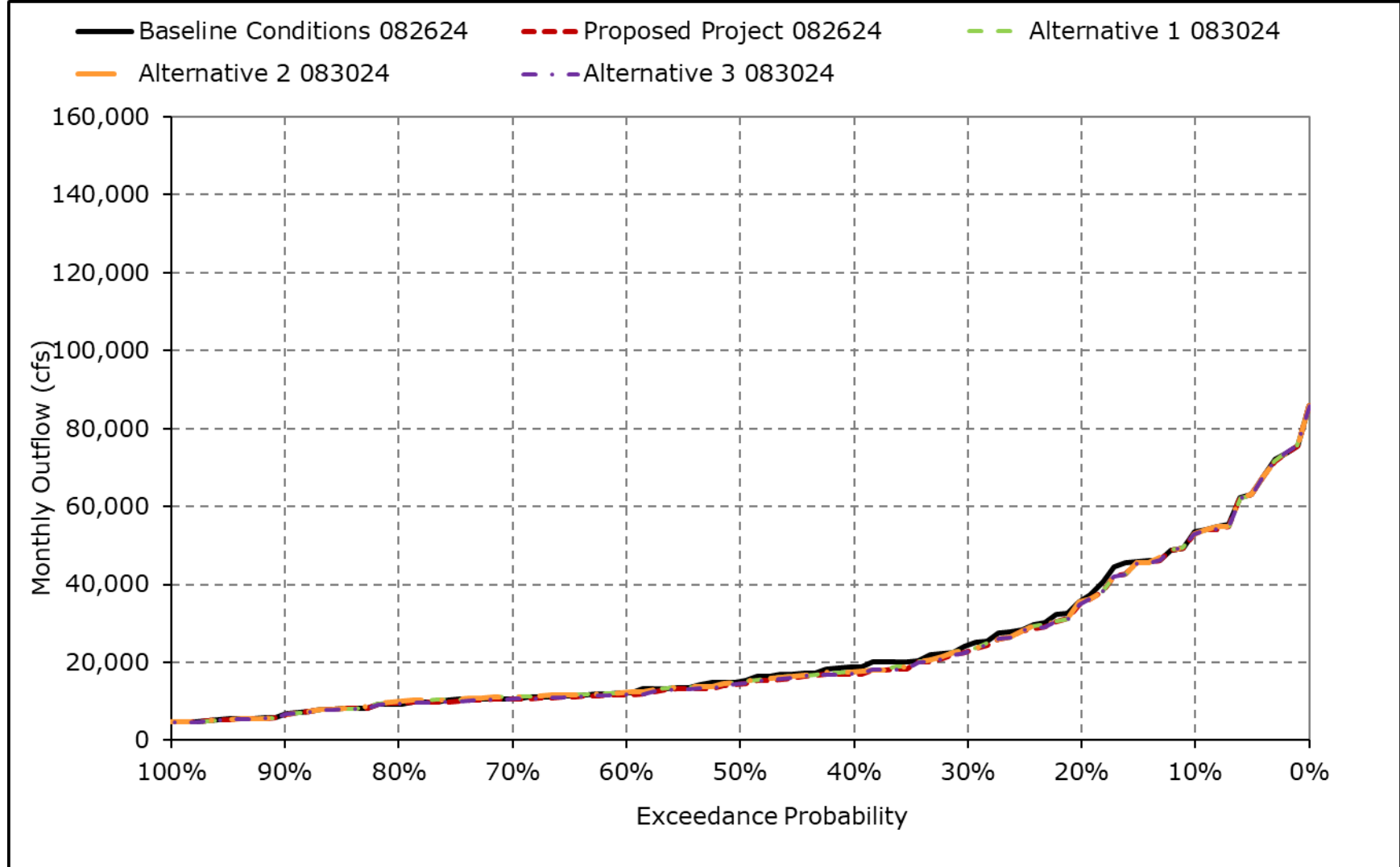
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-3-10m. Delta Outflow, April



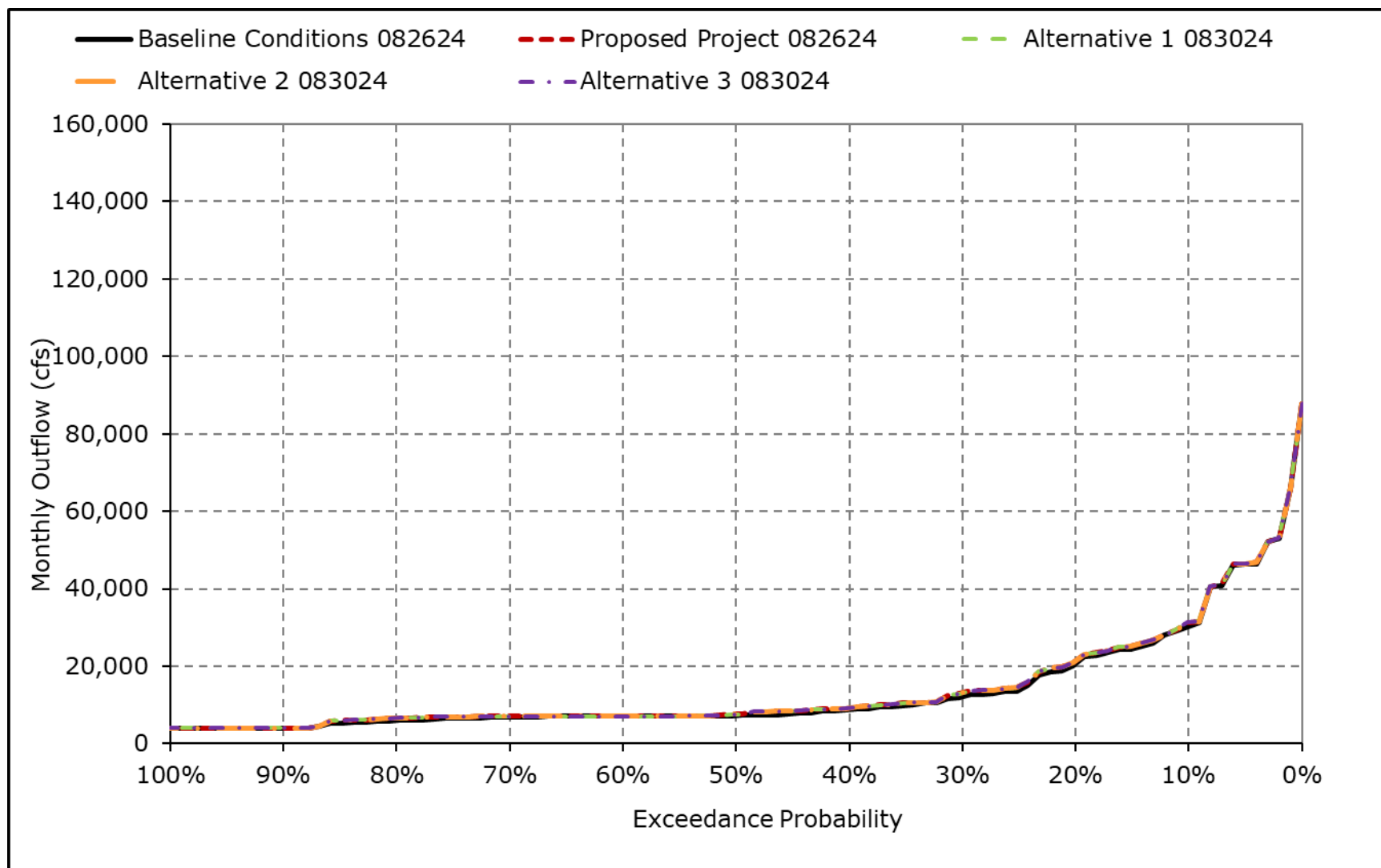
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-3-10n. Delta Outflow, May



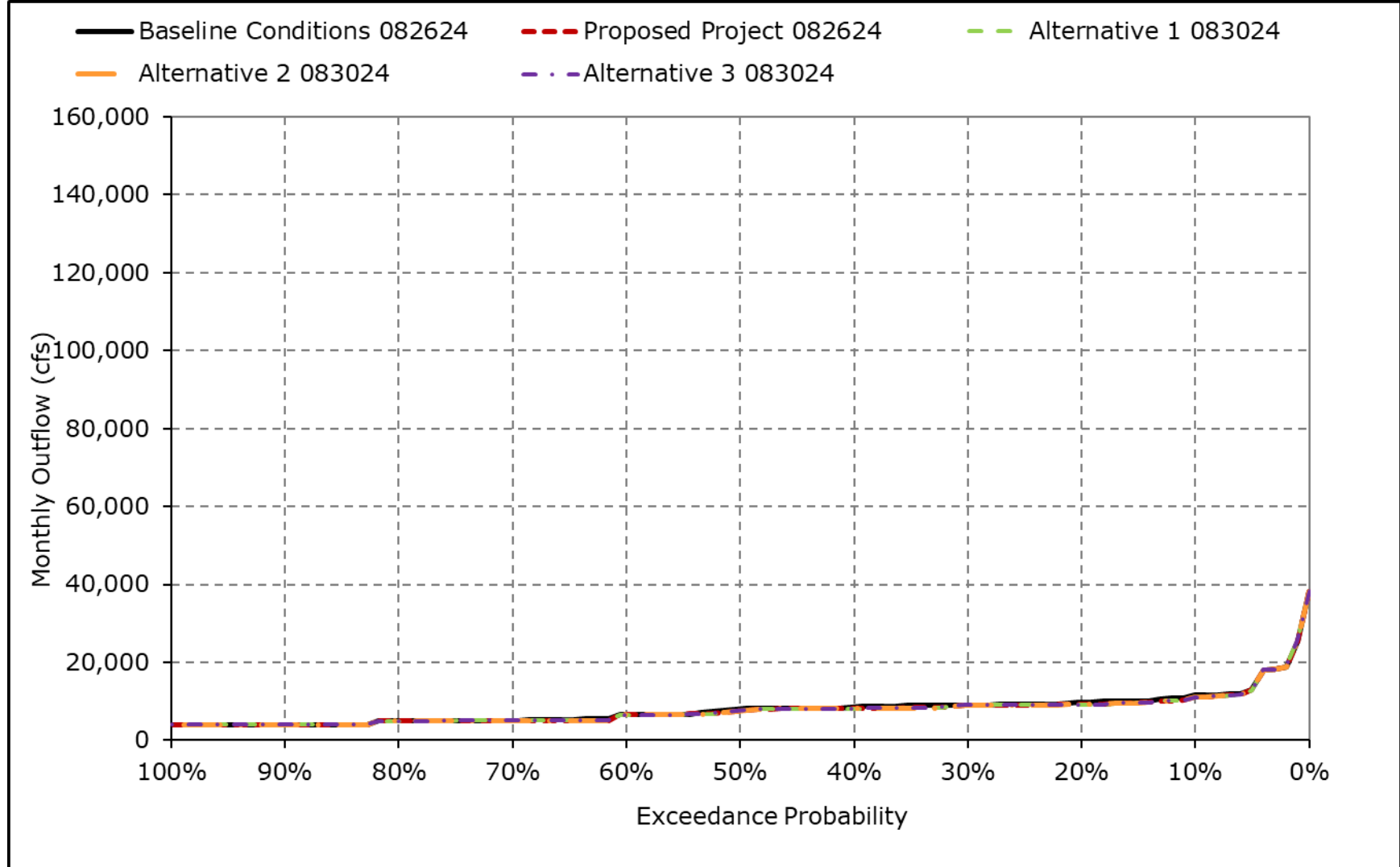
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-3-10o. Delta Outflow, June



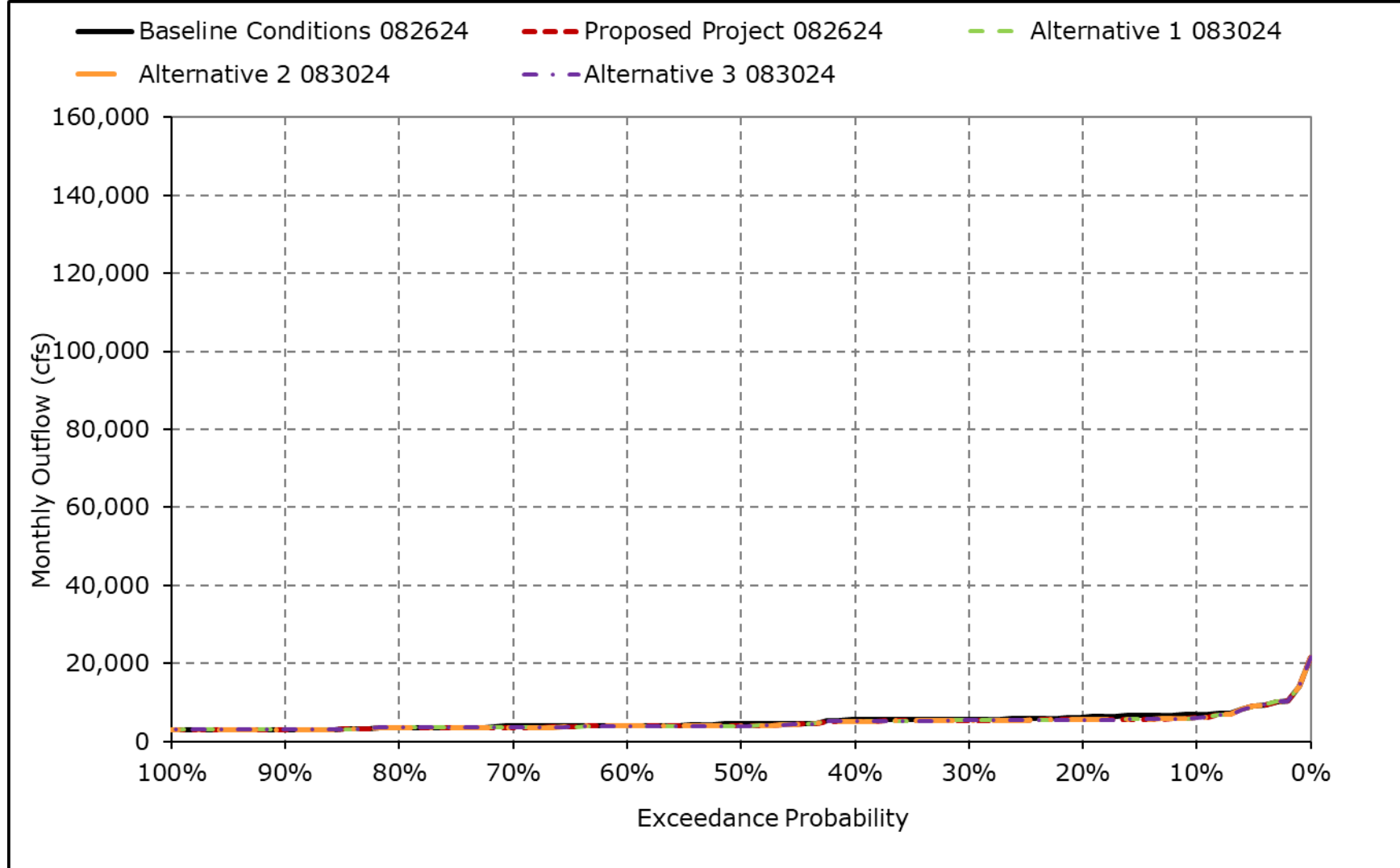
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-3-10p. Delta Outflow, July



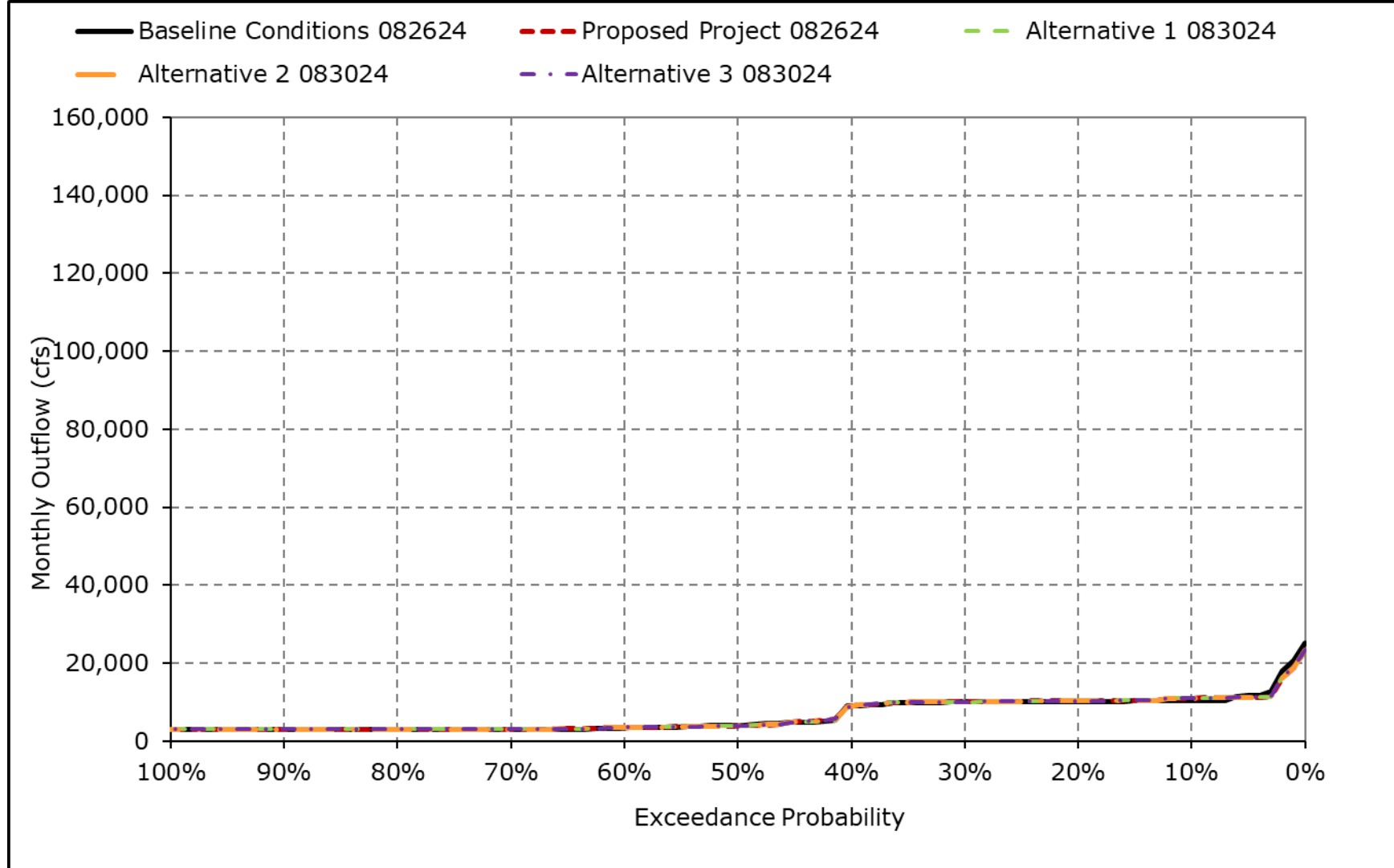
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-3-10q. Delta Outflow, August



*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-3-10r. Delta Outflow, September



*All scenarios are simulated at current climate condition and 0 cm sea level rise.