Appendix 4C

Attachment 3: Flow Results (CalSim 3)

Appendix 4C
Attachment 3: Flow Results (CalSim 3)

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

- Baseline Conditions (072623)
- Proposed Project (021624)
- Alternative 1 (072623)
- Alternative 2 (101623)
- Alternative 3 (021624)

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 072623, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	16,196	22,668	50,582	62,214	69,285	66,057	52,817	43,734	28,119	23,225	19,009	20,418
20% Exceedance	14,637	15,480	33,102	52,191	60,224	52,942	36,878	33,438	21,690	22,003	18,537	19,645
30% Exceedance	13,893	14,234	24,039	33,881	49,423	41,421	25,296	22,717	16,292	20,495	18,138	18,072
40% Exceedance	13,081	13,601	17,930	26,536	36,465	32,485	19,553	16,923	14,175	20,007	17,695	16,481
50% Exceedance	11,597	13,069	15,197	21,787	27,763	24,123	16,388	15,146	13,647	19,305	17,092	15,706
60% Exceedance	9,780	11,728	14,385	19,529	21,649	21,542	12,485	12,887	13,256	18,745	15,517	13,675
70% Exceedance	8,655	10,397	12,553	14,590	18,874	18,964	11,338	11,432	12,613	17,408	12,915	10,880
80% Exceedance	7,427	8,132	10,246	12,494	16,132	14,895	10,802	10,688	11,446	15,329	10,950	9,797
90% Exceedance	6,645	7,018	9,279	11,126	13,156	12,289	9,622	8,853	10,139	10,847	8,922	8,737
Full Simulation Period Average[a]	11,760	14,105	22,554	29,749	35,952	32,689	23,345	20,582	17,142	18,462	15,296	14,835
Wet Water Years (30%)	14,238	19,275	38,326	49,611	58,955	51,700	41,478	34,789	25,726	19,747	17,661	19,574
Above Normal Water Years (11%)	10,754	12,798	19,238	40,840	44,381	44,719	25,970	23,271	18,576	21,240	18,936	18,945
Below Normal Water Years (21%)	12,008	13,863	16,409	22,233	28,831	26,880	17,525	17,000	13,942	21,195	17,505	14,947
Dry Water Years (22%)	11,242	12,156	16,120	16,110	21,943	20,280	12,680	11,993	13,111	18,418	13,073	10,808
Critical Water Years (16%)	8,193	8,304	12,175	13,504	15,633	13,458	9,842	8,603	9,802	10,616	8,518	8,516

Table 4C-3-1-1b. Sacramento River Flow at Freeport, Proposed Project 021624, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	15,592	21,569	50,820	62,213	69,267	66,212	52,820	43,738	28,109	23,096	18,594	21,863
20% Exceedance	14,603	15,548	33,205	52,038	60,228	53,021	36,898	33,464	21,678	21,809	18,264	20,884
30% Exceedance	13,884	14,237	24,044	34,292	49,054	41,209	25,697	22,778	16,225	20,429	18,037	18,939
40% Exceedance	13,137	13,618	17,898	26,495	36,465	32,606	19,769	17,020	13,897	20,029	17,516	17,467
50% Exceedance	11,375	13,118	15,474	21,822	27,390	24,333	16,593	15,142	13,196	19,234	16,943	15,710
60% Exceedance	9,695	11,906	14,267	19,494	21,651	21,723	12,876	12,671	12,931	18,585	15,380	12,645
70% Exceedance	8,674	10,297	12,523	14,718	18,271	19,212	11,345	11,429	12,399	17,484	13,083	10,856
80% Exceedance	7,469	8,137	10,466	12,364	16,132	14,852	10,860	10,818	11,661	15,070	11,087	9,823
90% Exceedance	6,726	7,024	9,364	11,057	13,123	12,389	9,564	9,254	9,831	10,547	8,576	8,737
Full Simulation Period Average[a]	11,760	14,120	22,598	29,733	35,919	32,792	23,495	20,646	17,018	18,371	15,147	15,316
Wet Water Years (30%)	14,178	19,333	38,325	49,620	58,946	51,704	41,478	34,790	25,757	19,704	17,613	20,557
Above Normal Water Years (11%)	10,839	12,876	19,295	40,836	44,348	44,896	26,201	23,470	18,535	21,031	18,416	20,658
Below Normal Water Years (21%)	12,046	13,704	16,624	22,278	28,645	27,027	17,917	16,918	13,889	20,976	17,280	14,902
Dry Water Years (22%)	11,218	12,232	15,913	15,964	21,854	20,572	12,881	12,229	12,655	18,397	12,965	10,837
Critical Water Years (16%)	8,233	8,346	12,414	13,529	15,836	13,381	9,834	8,650	9,696	10,591	8,479	8,522

Table 4C-3-1-1c. Sacramento River Flow at Freeport, Proposed Project 021624 minus Baseline Conditions 072623, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-603	-1,099	239	-1	-18	155	3	4	-10	-130	-415	1,446
20% Exceedance	-34	67	103	-153	4	79	20	26	-12	-194	-273	1,239
30% Exceedance	-9	3	5	412	-369	-212	401	61	-67	-66	-101	867
40% Exceedance	56	17	-32	-40	0	121	216	97	-278	21	-179	986
50% Exceedance	-222	49	276	36	-372	210	205	-4	-451	-71	-149	5
60% Exceedance	-84	178	-118	-35	3	181	391	-216	-325	-159	-137	-1,030
70% Exceedance	19	-101	-30	127	-603	248	7	-2	-213	76	168	-24
80% Exceedance	42	5	220	-130	1	-43	58	130	214	-260	137	26
90% Exceedance	80	6	85	-70	-32	101	-58	401	-307	-300	-346	0
Full Simulation Period Average[a]	0	16	44	-16	-33	103	151	64	-124	-91	-149	481
Wet Water Years (30%)	-61	58	-1	9	-9	4	-1	1	32	-44	-48	983
Above Normal Water Years (11%)	85	78	57	-4	-33	177	231	198	-41	-210	-520	1,714
Below Normal Water Years (21%)	38	-160	215	45	-186	146	392	-82	-54	-220	-225	-45
Dry Water Years (22%)	-24	76	-207	-146	-89	292	201	235	-456	-21	-108	29
Critical Water Years (16%)	40	42	239	25	202	-77	-8	47	-106	-25	-39	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-3-1-2a. Sacramento River Flow at Freeport, Baseline Conditions 072623, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	16,196	22,668	50,582	62,214	69,285	66,057	52,817	43,734	28,119	23,225	19,009	20,418
20% Exceedance	14,637	15,480	33,102	52,191	60,224	52,942	36,878	33,438	21,690	22,003	18,537	19,645
30% Exceedance	13,893	14,234	24,039	33,881	49,423	41,421	25,296	22,717	16,292	20,495	18,138	18,072
40% Exceedance	13,081	13,601	17,930	26,536	36,465	32,485	19,553	16,923	14,175	20,007	17,695	16,481
50% Exceedance	11,597	13,069	15,197	21,787	27,763	24,123	16,388	15,146	13,647	19,305	17,092	15,706
60% Exceedance	9,780	11,728	14,385	19,529	21,649	21,542	12,485	12,887	13,256	18,745	15,517	13,675
70% Exceedance	8,655	10,397	12,553	14,590	18,874	18,964	11,338	11,432	12,613	17,408	12,915	10,880
80% Exceedance	7,427	8,132	10,246	12,494	16,132	14,895	10,802	10,688	11,446	15,329	10,950	9,797
90% Exceedance	6,645	7,018	9,279	11,126	13,156	12,289	9,622	8,853	10,139	10,847	8,922	8,737
Full Simulation Period Average[a]	11,760	14,105	22,554	29,749	35,952	32,689	23,345	20,582	17,142	18,462	15,296	14,835
Wet Water Years (30%)	14,238	19,275	38,326	49,611	58,955	51,700	41,478	34,789	25,726	19,747	17,661	19,574
Above Normal Water Years (11%)	10,754	12,798	19,238	40,840	44,381	44,719	25,970	23,271	18,576	21,240	18,936	18,945
Below Normal Water Years (21%)	12,008	13,863	16,409	22,233	28,831	26,880	17,525	17,000	13,942	21,195	17,505	14,947
Dry Water Years (22%)	11,242	12,156	16,120	16,110	21,943	20,280	12,680	11,993	13,111	18,418	13,073	10,808
Critical Water Years (16%)	8,193	8,304	12,175	13,504	15,633	13,458	9,842	8,603	9,802	10,616	8,518	8,516

Table 4C-3-1-2b. Sacramento River Flow at Freeport, Alternative 1 072623, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	15,596	21,570	50,829	62,213	69,267	66,202	52,821	43,805	28,115	23,107	18,604	21,845
20% Exceedance	14,603	15,553	33,276	52,199	60,227	52,939	36,899	33,533	21,677	22,020	18,264	20,884
30% Exceedance	13,883	14,246	24,043	34,287	49,071	40,975	25,344	22,963	16,225	20,458	18,055	18,939
40% Exceedance	13,134	13,646	17,927	26,487	36,473	32,485	19,553	17,488	13,784	20,029	17,519	17,473
50% Exceedance	11,343	13,117	15,170	21,832	27,370	24,129	16,382	15,755	13,136	19,263	16,940	15,714
60% Exceedance	9,695	11,900	14,275	19,490	21,661	21,528	12,656	13,216	12,865	18,616	15,389	12,862
70% Exceedance	8,634	10,405	12,630	14,546	18,879	18,961	11,138	12,074	12,264	17,618	13,234	10,926
80% Exceedance	7,472	8,233	10,232	12,362	16,632	14,695	10,794	11,483	11,485	15,100	11,073	9,793
90% Exceedance	6,645	7,019	9,364	11,059	13,208	12,298	9,557	9,247	9,420	10,474	8,080	8,738
Full Simulation Period Average[a]	11,750	14,134	22,573	29,744	35,997	32,655	23,342	20,990	16,924	18,385	15,105	15,338
Wet Water Years (30%)	14,147	19,329	38,318	49,625	58,956	51,704	41,477	34,788	25,757	19,699	17,612	20,555
Above Normal Water Years (11%)	10,793	12,833	19,331	40,854	44,305	44,554	26,034	24,116	18,431	21,098	18,394	20,728
Below Normal Water Years (21%)	12,057	13,672	16,562	22,279	28,651	26,832	17,528	17,572	13,752	21,030	17,266	14,923
Dry Water Years (22%)	11,223	12,228	15,917	15,965	22,123	20,309	12,639	12,849	12,478	18,427	12,912	10,887
Critical Water Years (16%)	8,232	8,514	12,319	13,574	15,956	13,378	9,834	8,650	9,602	10,528	8,322	8,516

Table 4C-3-1-2c. Sacramento River Flow at Freeport, Alternative 1 072623 minus Baseline Conditions 072623, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-599	-1,098	248	-2	-18	144	4	71	-5	-118	-405	1,427
20% Exceedance	-34	73	173	8	3	-3	21	95	-13	17	-273	1,239
30% Exceedance	-10	12	5	406	-352	-446	48	246	-67	-38	-83	866
40% Exceedance	53	45	-3	-49	8	-1	-1	565	-391	21	-176	992
50% Exceedance	-254	47	-28	45	-393	7	-6	609	-511	-42	-152	8
60% Exceedance	-84	172	-110	-39	12	-14	171	329	-391	-128	-128	-813
70% Exceedance	-21	8	78	-44	5	-3	-200	643	-348	209	318	46
80% Exceedance	45	101	-14	-132	500	-199	-8	795	39	-230	124	-4
90% Exceedance	0	1	85	-67	52	10	-65	394	-718	-373	-842	1
Full Simulation Period Average[a]	-11	30	19	-5	45	-34	-3	408	-218	-77	-191	503
Wet Water Years (30%)	-91	54	-8	14	1	3	-1	-1	32	-49	-48	981
Above Normal Water Years (11%)	39	35	93	14	-76	-166	64	845	-144	-142	-542	1,783
Below Normal Water Years (21%)	49	-191	153	47	-180	-49	3	572	-190	-165	-240	-24
Dry Water Years (22%)	-19	72	-202	-145	180	29	-40	856	-633	9	-160	79
Critical Water Years (16%)	39	211	144	70	323	-80	-8	47	-200	-88	-196	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-3-1-3a. Sacramento River Flow at Freeport, Baseline Conditions 072623, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	16,196	22,668	50,582	62,214	69,285	66,057	52,817	43,734	28,119	23,225	19,009	20,418
20% Exceedance	14,637	15,480	33,102	52,191	60,224	52,942	36,878	33,438	21,690	22,003	18,537	19,645
30% Exceedance	13,893	14,234	24,039	33,881	49,423	41,421	25,296	22,717	16,292	20,495	18,138	18,072
40% Exceedance	13,081	13,601	17,930	26,536	36,465	32,485	19,553	16,923	14,175	20,007	17,695	16,481
50% Exceedance	11,597	13,069	15,197	21,787	27,763	24,123	16,388	15,146	13,647	19,305	17,092	15,706
60% Exceedance	9,780	11,728	14,385	19,529	21,649	21,542	12,485	12,887	13,256	18,745	15,517	13,675
70% Exceedance	8,655	10,397	12,553	14,590	18,874	18,964	11,338	11,432	12,613	17,408	12,915	10,880
80% Exceedance	7,427	8,132	10,246	12,494	16,132	14,895	10,802	10,688	11,446	15,329	10,950	9,797
90% Exceedance	6,645	7,018	9,279	11,126	13,156	12,289	9,622	8,853	10,139	10,847	8,922	8,737
Full Simulation Period Average[a]	11,760	14,105	22,554	29,749	35,952	32,689	23,345	20,582	17,142	18,462	15,296	14,835
Wet Water Years (30%)	14,238	19,275	38,326	49,611	58,955	51,700	41,478	34,789	25,726	19,747	17,661	19,574
Above Normal Water Years (11%)	10,754	12,798	19,238	40,840	44,381	44,719	25,970	23,271	18,576	21,240	18,936	18,945
Below Normal Water Years (21%)	12,008	13,863	16,409	22,233	28,831	26,880	17,525	17,000	13,942	21,195	17,505	14,947
Dry Water Years (22%)	11,242	12,156	16,120	16,110	21,943	20,280	12,680	11,993	13,111	18,418	13,073	10,808
Critical Water Years (16%)	8,193	8,304	12,175	13,504	15,633	13,458	9,842	8,603	9,802	10,616	8,518	8,516

Table 4C-3-1-3b. Sacramento River Flow at Freeport, Alternative 2 101623, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	15,596	21,570	50,833	62,213	69,267	66,202	52,821	43,805	28,115	23,105	18,605	21,845
20% Exceedance	14,603	15,553	33,279	52,196	60,227	52,940	36,899	33,532	21,677	22,020	18,264	20,884
30% Exceedance	13,883	14,237	24,043	34,309	49,071	40,976	25,340	22,962	16,225	20,443	18,055	18,939
40% Exceedance	13,134	13,618	17,935	26,487	36,473	32,484	19,553	17,488	13,784	20,029	17,519	17,476
50% Exceedance	11,343	13,117	15,484	21,831	27,370	24,128	16,382	15,755	13,136	19,263	16,943	15,714
60% Exceedance	9,698	11,901	14,281	19,502	21,652	21,527	12,656	13,206	12,865	18,616	15,399	12,897
70% Exceedance	8,634	10,406	12,630	14,694	18,477	18,961	11,143	12,074	12,264	17,537	13,229	10,925
80% Exceedance	7,472	8,233	10,232	12,362	16,632	14,695	10,794	11,483	11,485	15,101	11,095	9,793
90% Exceedance	6,645	7,019	9,363	11,060	13,208	12,298	9,557	9,247	9,439	10,458	8,167	8,738
Full Simulation Period Average[a]	11,748	14,130	22,592	29,745	35,987	32,655	23,335	20,989	16,925	18,385	15,110	15,339
Wet Water Years (30%)	14,147	19,330	38,332	49,622	58,943	51,703	41,477	34,788	25,757	19,704	17,613	20,556
Above Normal Water Years (11%)	10,790	12,825	19,306	40,853	44,343	44,544	26,033	24,116	18,434	21,098	18,394	20,726
Below Normal Water Years (21%)	12,056	13,675	16,640	22,279	28,646	26,831	17,496	17,567	13,751	21,030	17,264	14,929
Dry Water Years (22%)	11,220	12,229	15,928	15,970	22,093	20,317	12,641	12,848	12,484	18,419	12,923	10,884
Critical Water Years (16%)	8,228	8,487	12,314	13,576	15,940	13,377	9,835	8,651	9,601	10,526	8,341	8,517

Table 4C-3-1-3c. Sacramento River Flow at Freeport, Alternative 2 101623 minus Baseline Conditions 072623, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-599	-1,098	251	-2	-18	144	4	71	-4	-121	-404	1,427
20% Exceedance	-34	73	177	5	3	-3	21	94	-12	17	-273	1,239
30% Exceedance	-10	2	5	429	-352	-445	44	245	-67	-52	-83	866
40% Exceedance	53	16	5	-49	8	-1	-1	565	-391	21	-176	995
50% Exceedance	-254	48	287	44	-392	5	-6	609	-511	-42	-149	8
60% Exceedance	-82	172	-103	-27	3	-15	170	319	-391	-128	-118	-778
70% Exceedance	-21	9	78	104	-397	-2	-196	643	-348	128	313	45
80% Exceedance	45	101	-14	-132	500	-199	-8	795	39	-229	145	-4
90% Exceedance	0	1	85	-67	52	10	-65	394	-699	-389	-754	1
Full Simulation Period Average[a]	-12	25	38	-5	35	-33	-9	407	-216	-77	-186	504
Wet Water Years (30%)	-91	55	6	12	-12	3	-1	-1	32	-43	-48	982
Above Normal Water Years (11%)	36	27	68	13	-38	-176	63	845	-142	-142	-542	1,781
Below Normal Water Years (21%)	48	-189	231	47	-185	-49	-28	567	-191	-165	-242	-18
Dry Water Years (22%)	-22	73	-192	-140	150	37	-39	855	-627	1	-149	76
Critical Water Years (16%)	35	184	139	71	306	-81	-8	47	-201	-90	-177	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 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 072623, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	16,196	22,668	50,582	62,214	69,285	66,057	52,817	43,734	28,119	23,225	19,009	20,418
20% Exceedance	14,637	15,480	33,102	52,191	60,224	52,942	36,878	33,438	21,690	22,003	18,537	19,645
30% Exceedance	13,893	14,234	24,039	33,881	49,423	41,421	25,296	22,717	16,292	20,495	18,138	18,072
40% Exceedance	13,081	13,601	17,930	26,536	36,465	32,485	19,553	16,923	14,175	20,007	17,695	16,481
50% Exceedance	11,597	13,069	15,197	21,787	27,763	24,123	16,388	15,146	13,647	19,305	17,092	15,706
60% Exceedance	9,780	11,728	14,385	19,529	21,649	21,542	12,485	12,887	13,256	18,745	15,517	13,675
70% Exceedance	8,655	10,397	12,553	14,590	18,874	18,964	11,338	11,432	12,613	17,408	12,915	10,880
80% Exceedance	7,427	8,132	10,246	12,494	16,132	14,895	10,802	10,688	11,446	15,329	10,950	9,797
90% Exceedance	6,645	7,018	9,279	11,126	13,156	12,289	9,622	8,853	10,139	10,847	8,922	8,737
Full Simulation Period Average[a]	11,760	14,105	22,554	29,749	35,952	32,689	23,345	20,582	17,142	18,462	15,296	14,835
Wet Water Years (30%)	14,238	19,275	38,326	49,611	58,955	51,700	41,478	34,789	25,726	19,747	17,661	19,574
Above Normal Water Years (11%)	10,754	12,798	19,238	40,840	44,381	44,719	25,970	23,271	18,576	21,240	18,936	18,945
Below Normal Water Years (21%)	12,008	13,863	16,409	22,233	28,831	26,880	17,525	17,000	13,942	21,195	17,505	14,947
Dry Water Years (22%)	11,242	12,156	16,120	16,110	21,943	20,280	12,680	11,993	13,111	18,418	13,073	10,808
Critical Water Years (16%)	8,193	8,304	12,175	13,504	15,633	13,458	9,842	8,603	9,802	10,616	8,518	8,516

Table 4C-3-1-4b. Sacramento River Flow at Freeport, Alternative 3 021624, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	15,592	21,569	50,820	62,213	69,267	66,212	52,820	43,738	28,109	23,095	18,594	21,863
20% Exceedance	14,603	15,548	33,205	52,039	60,228	53,021	36,898	33,462	21,678	21,807	18,264	20,884
30% Exceedance	13,884	14,237	24,043	34,286	49,054	41,209	25,701	22,778	16,225	20,430	18,038	18,939
40% Exceedance	13,135	13,688	17,903	26,495	36,465	32,606	19,769	17,020	13,897	20,029	17,515	17,468
50% Exceedance	11,375	13,117	15,170	21,820	27,390	24,333	16,593	15,141	13,196	19,234	16,939	15,711
60% Exceedance	9,696	11,906	14,266	19,498	21,661	21,726	12,876	12,705	12,931	18,586	15,381	12,635
70% Exceedance	8,674	10,296	12,515	14,718	18,878	19,211	11,184	11,429	12,399	17,511	13,091	10,858
80% Exceedance	7,469	8,136	10,466	12,363	16,632	14,851	10,858	10,818	11,661	15,071	11,084	9,824
90% Exceedance	6,725	7,020	9,364	11,056	13,208	12,389	9,564	9,250	9,449	10,542	8,372	8,737
Full Simulation Period Average[a]	11,759	14,121	22,572	29,741	36,004	32,792	23,493	20,646	16,997	18,364	15,115	15,312
Wet Water Years (30%)	14,177	19,333	38,308	49,624	58,959	51,704	41,478	34,790	25,757	19,698	17,613	20,555
Above Normal Water Years (11%)	10,824	12,883	19,254	40,837	44,354	44,907	26,202	23,469	18,472	21,030	18,409	20,661
Below Normal Water Years (21%)	12,046	13,703	16,552	22,313	28,649	27,026	17,916	16,918	13,889	20,977	17,281	14,886
Dry Water Years (22%)	11,220	12,232	15,916	15,963	22,125	20,573	12,869	12,231	12,612	18,383	12,896	10,835
Critical Water Years (16%)	8,230	8,345	12,400	13,525	15,961	13,375	9,834	8,650	9,668	10,575	8,377	8,517

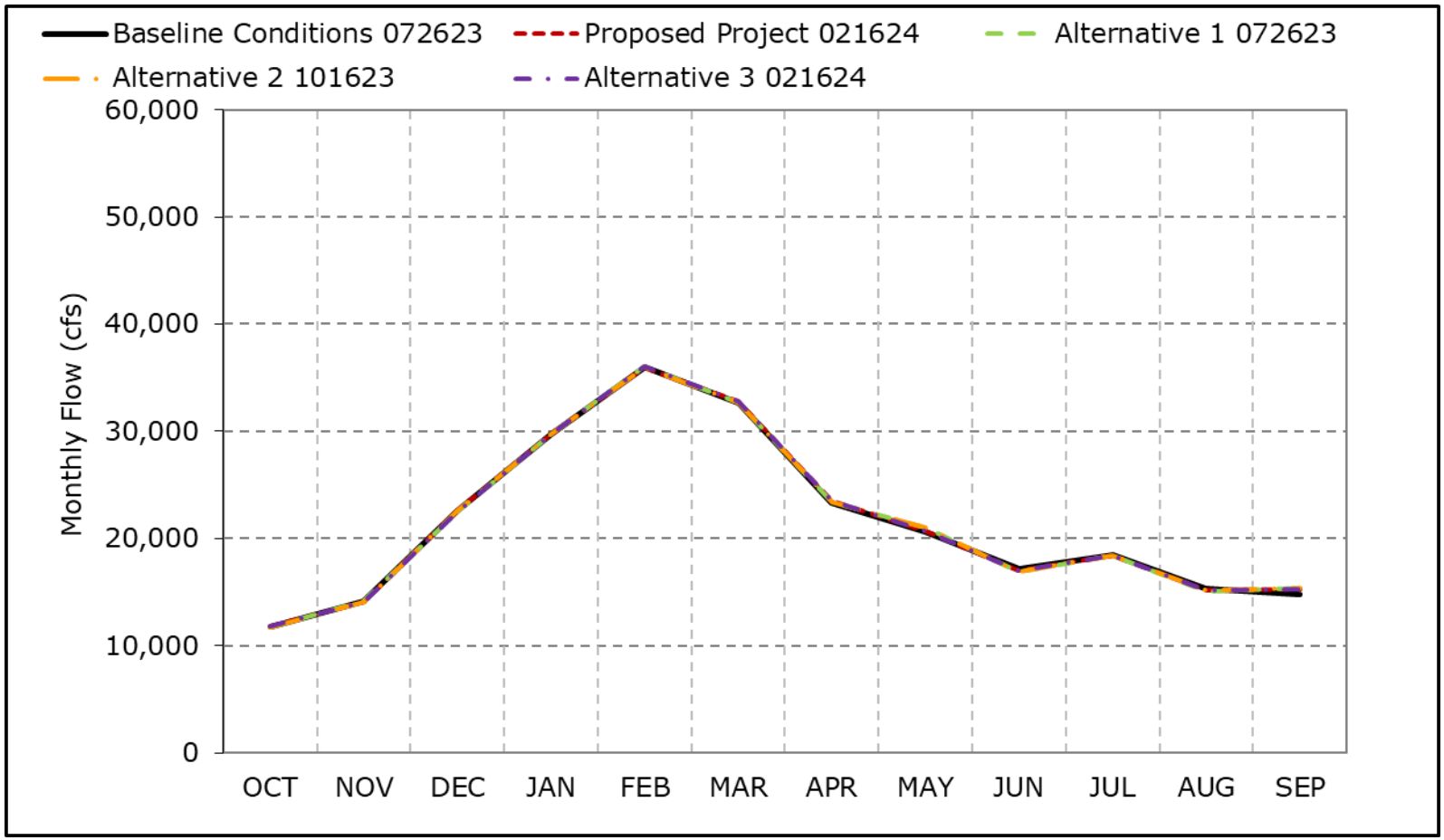
Table 4C-3-1-4c. Sacramento River Flow at Freeport, Alternative 3 021624 minus Baseline Conditions 072623, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-603	-1,099	238	-1	-18	155	3	4	-10	-130	-415	1,446
20% Exceedance	-34	67	103	-152	4	79	21	24	-12	-196	-273	1,239
30% Exceedance	-9	2	5	406	-370	-212	405	61	-67	-65	-100	867
40% Exceedance	54	87	-27	-40	0	121	216	97	-278	21	-180	987
50% Exceedance	-222	47	-27	34	-373	210	205	-5	-451	-71	-153	5
60% Exceedance	-84	178	-119	-31	12	184	391	-182	-325	-158	-137	-1,040
70% Exceedance	19	-101	-38	127	4	248	-154	-2	-213	102	176	-22
80% Exceedance	42	4	221	-131	500	-43	56	130	214	-258	135	27
90% Exceedance	80	2	85	-70	52	100	-58	397	-689	-305	-550	0
Full Simulation Period Average[a]	-2	16	18	-8	52	104	148	65	-144	-98	-181	477
Wet Water Years (30%)	-61	58	-18	14	3	4	-1	0	32	-49	-48	982
Above Normal Water Years (11%)	69	85	16	-3	-27	188	232	198	-104	-210	-527	1,716
Below Normal Water Years (21%)	38	-160	143	80	-182	146	392	-82	-54	-218	-224	-61
Dry Water Years (22%)	-22	76	-204	-147	182	293	190	238	-499	-35	-177	27
Critical Water Years (16%)	37	42	226	21	327	-83	-8	47	-134	-40	-141	1

[a] Based on the 100-year simulation period.

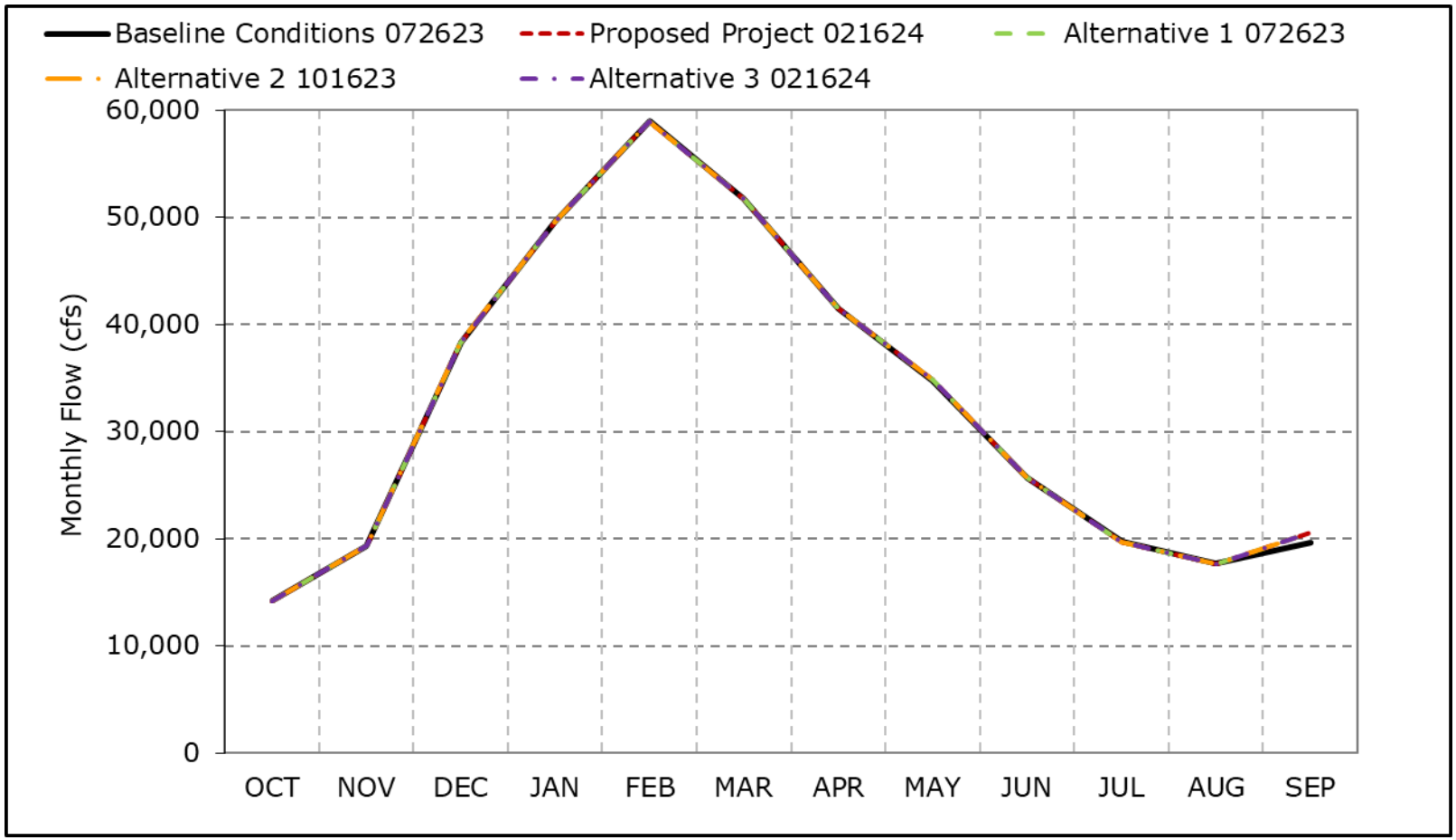
* All scenarios are simulated at current climate condition and 0 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with water year - year type sorting.

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



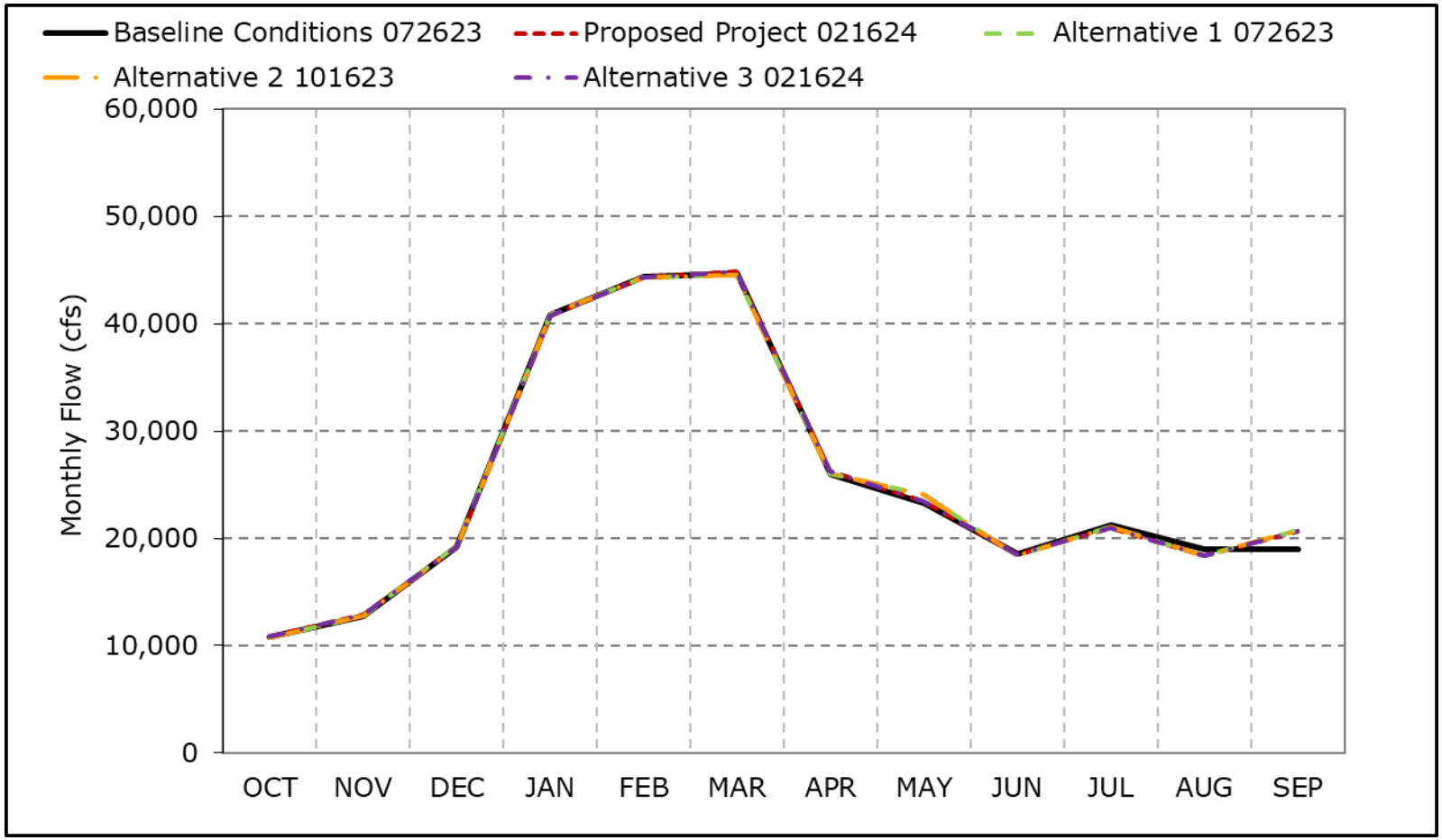
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



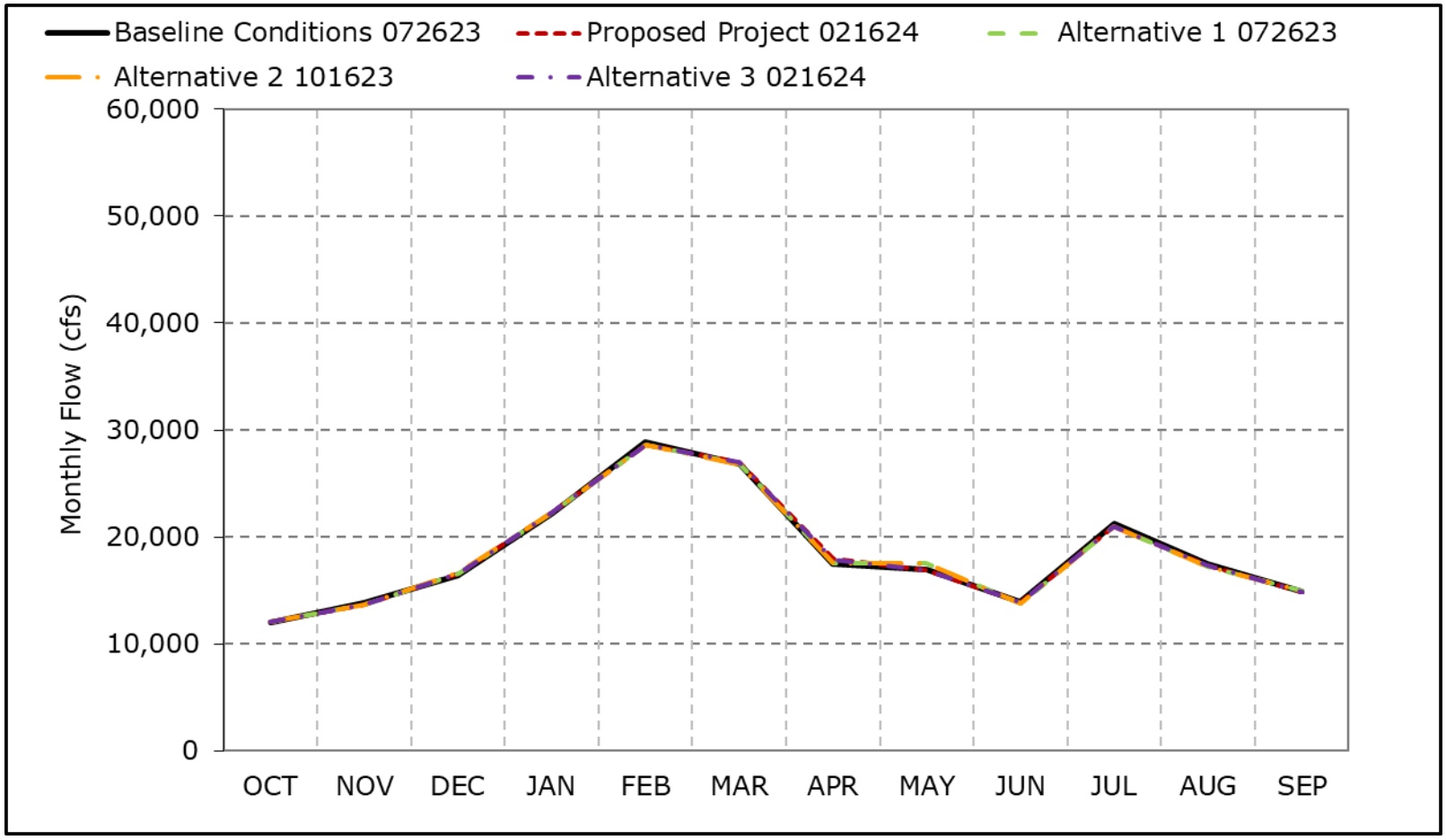
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



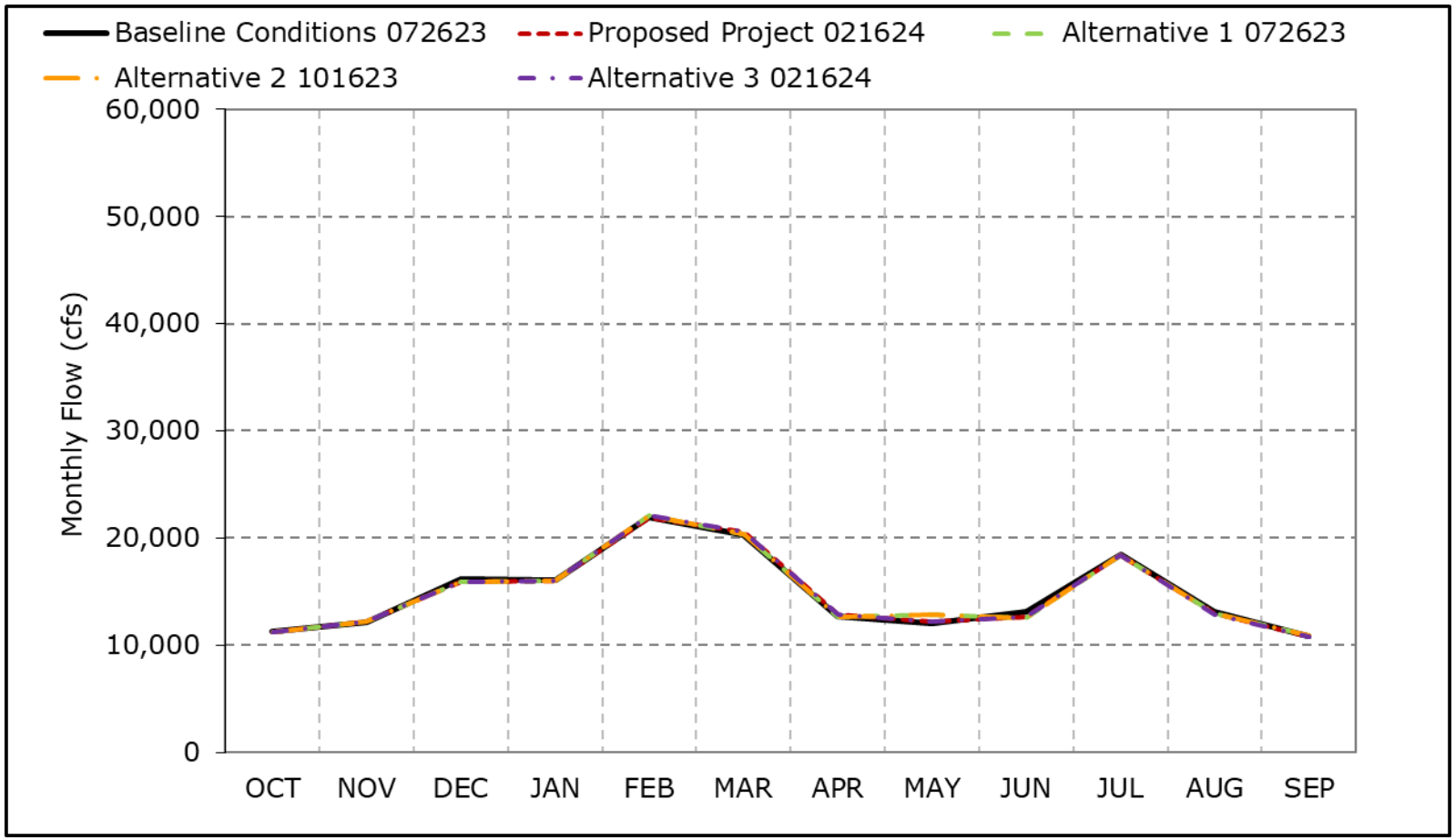
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



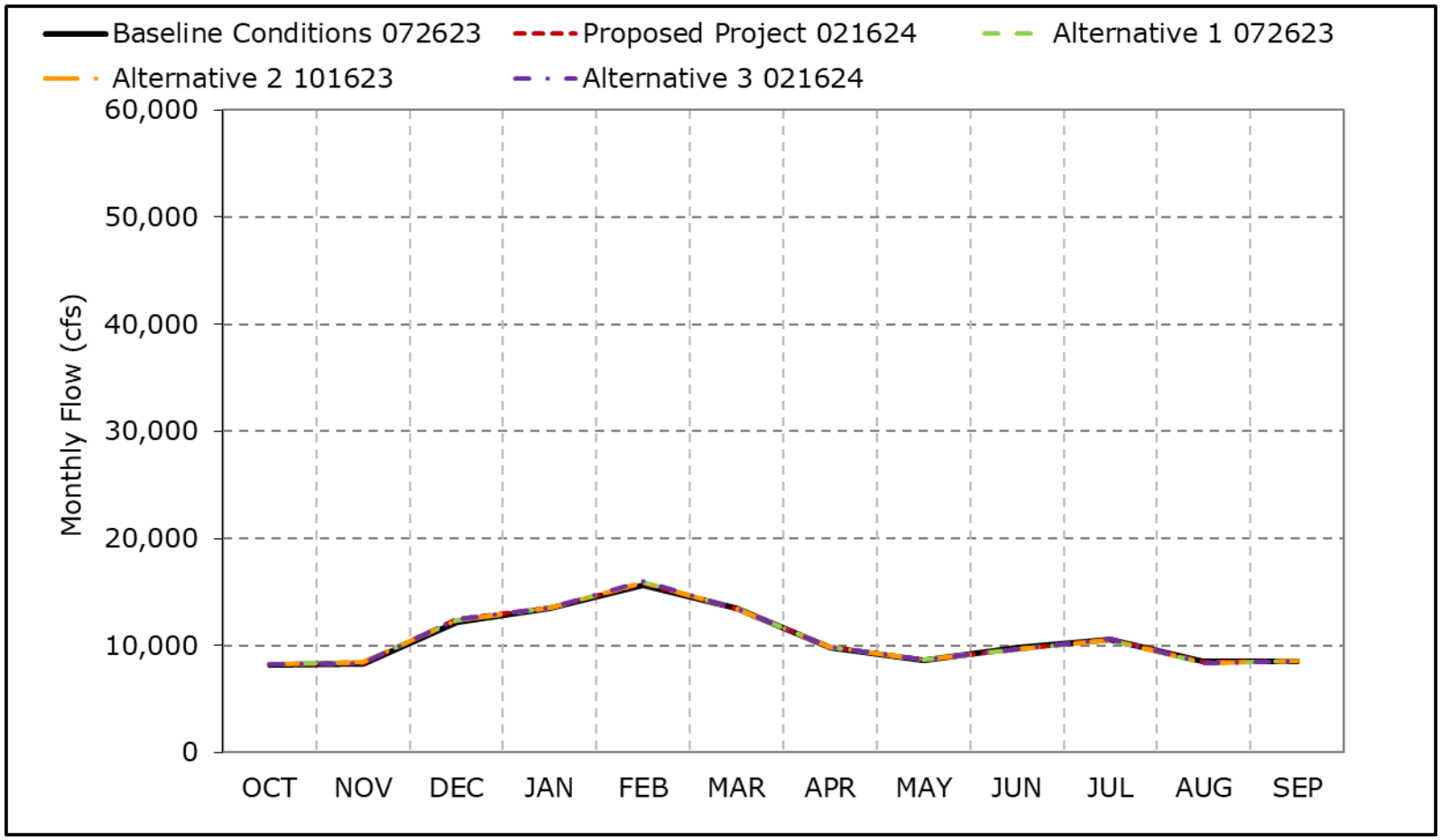
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



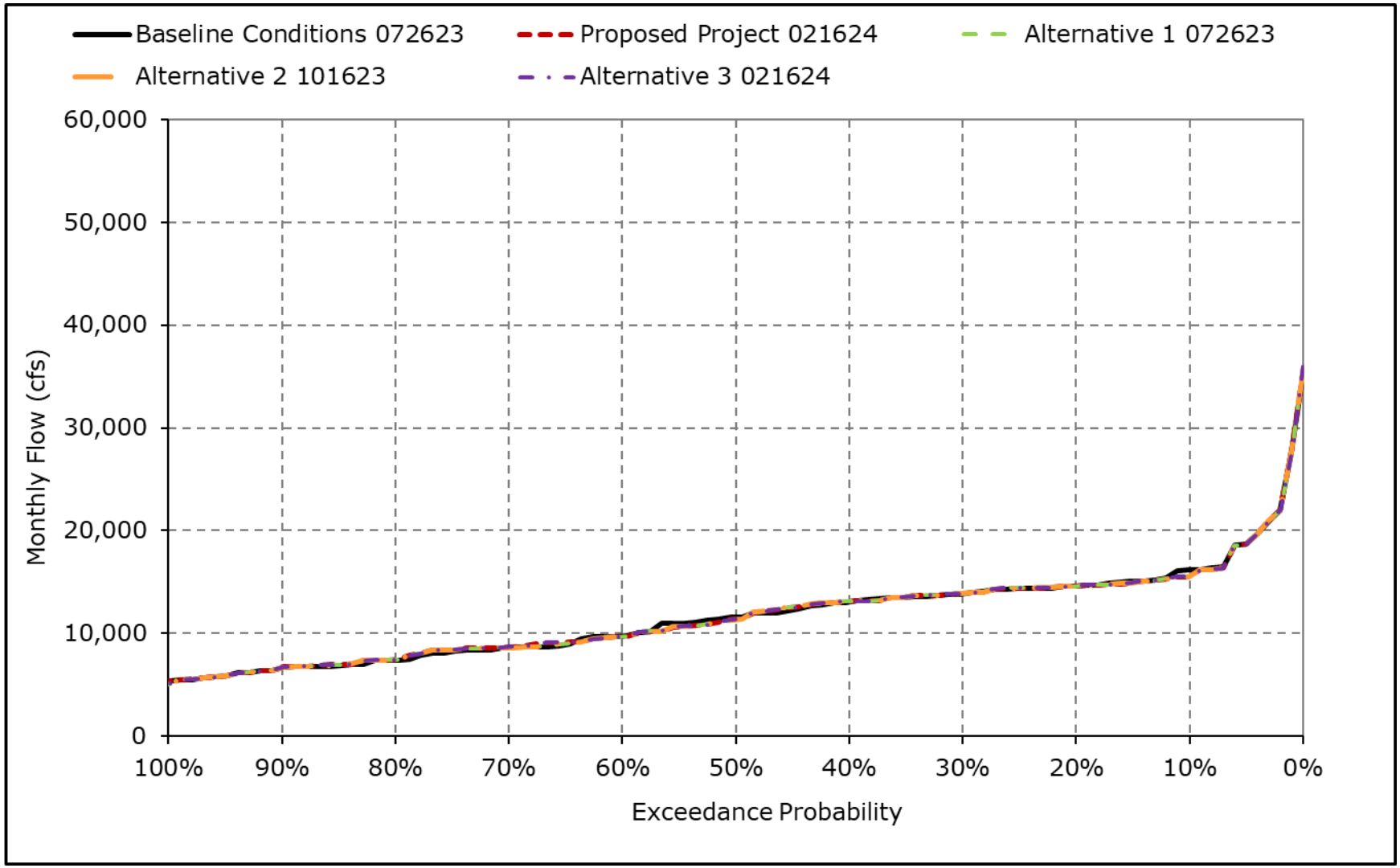
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



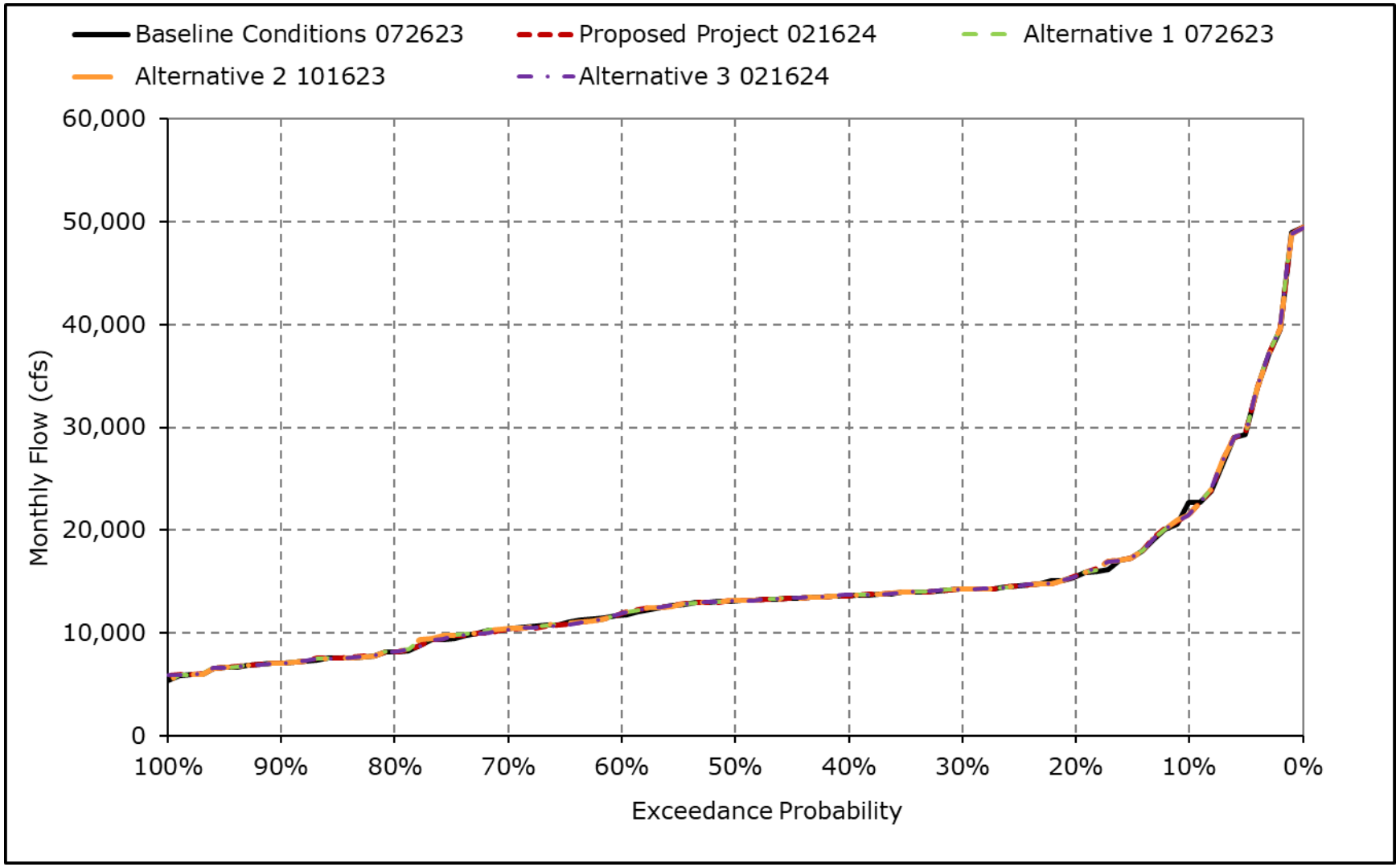
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



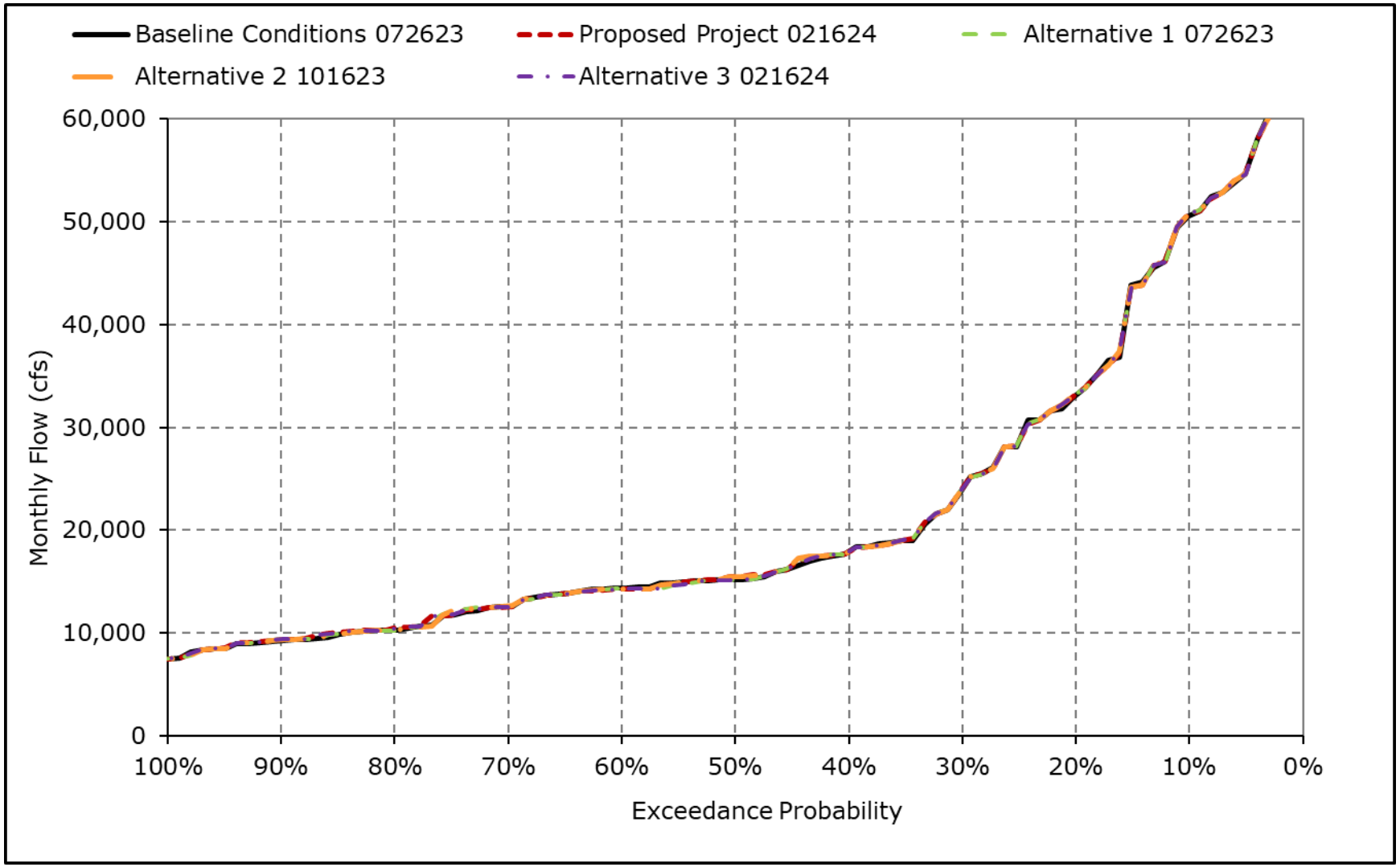
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



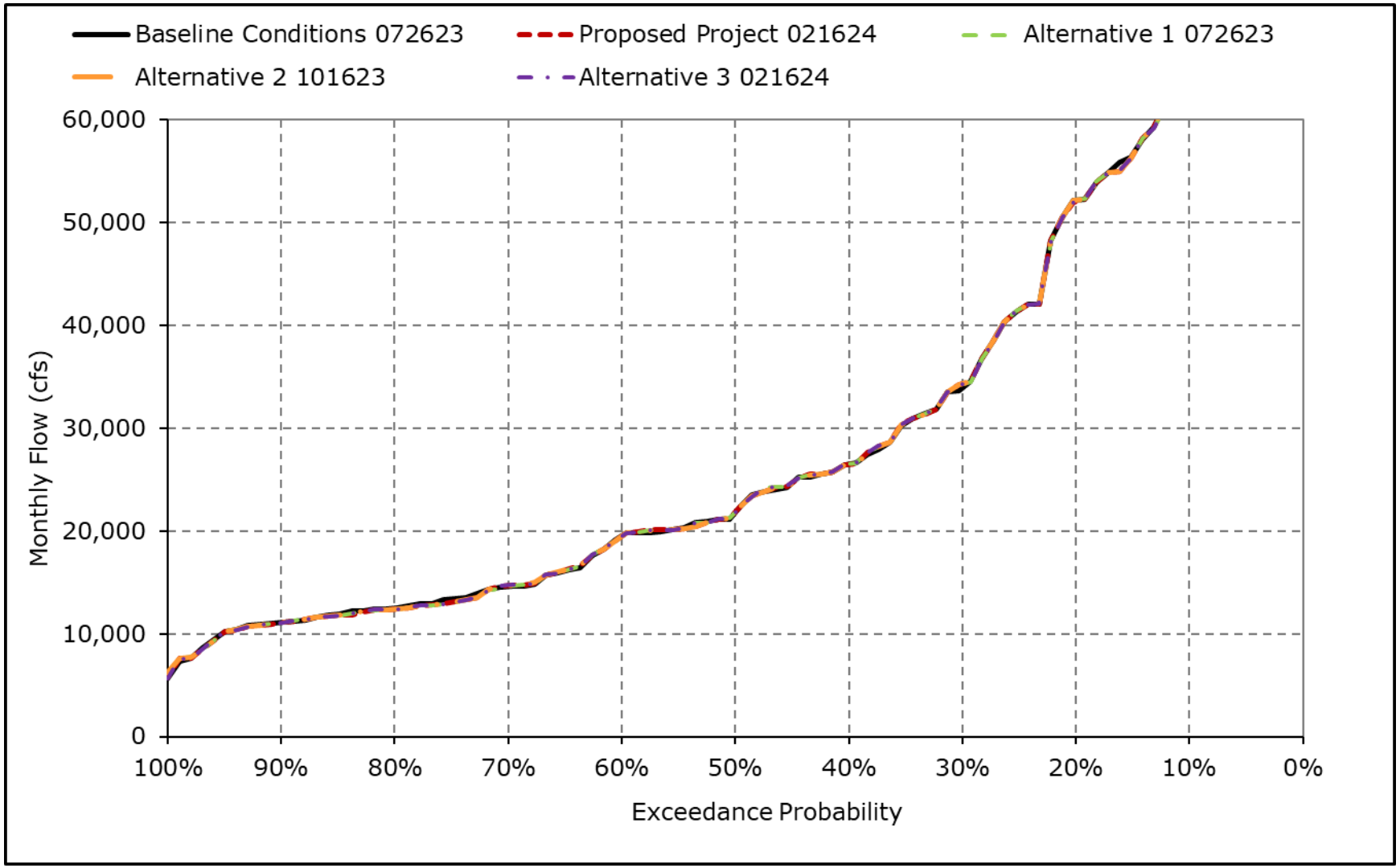
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



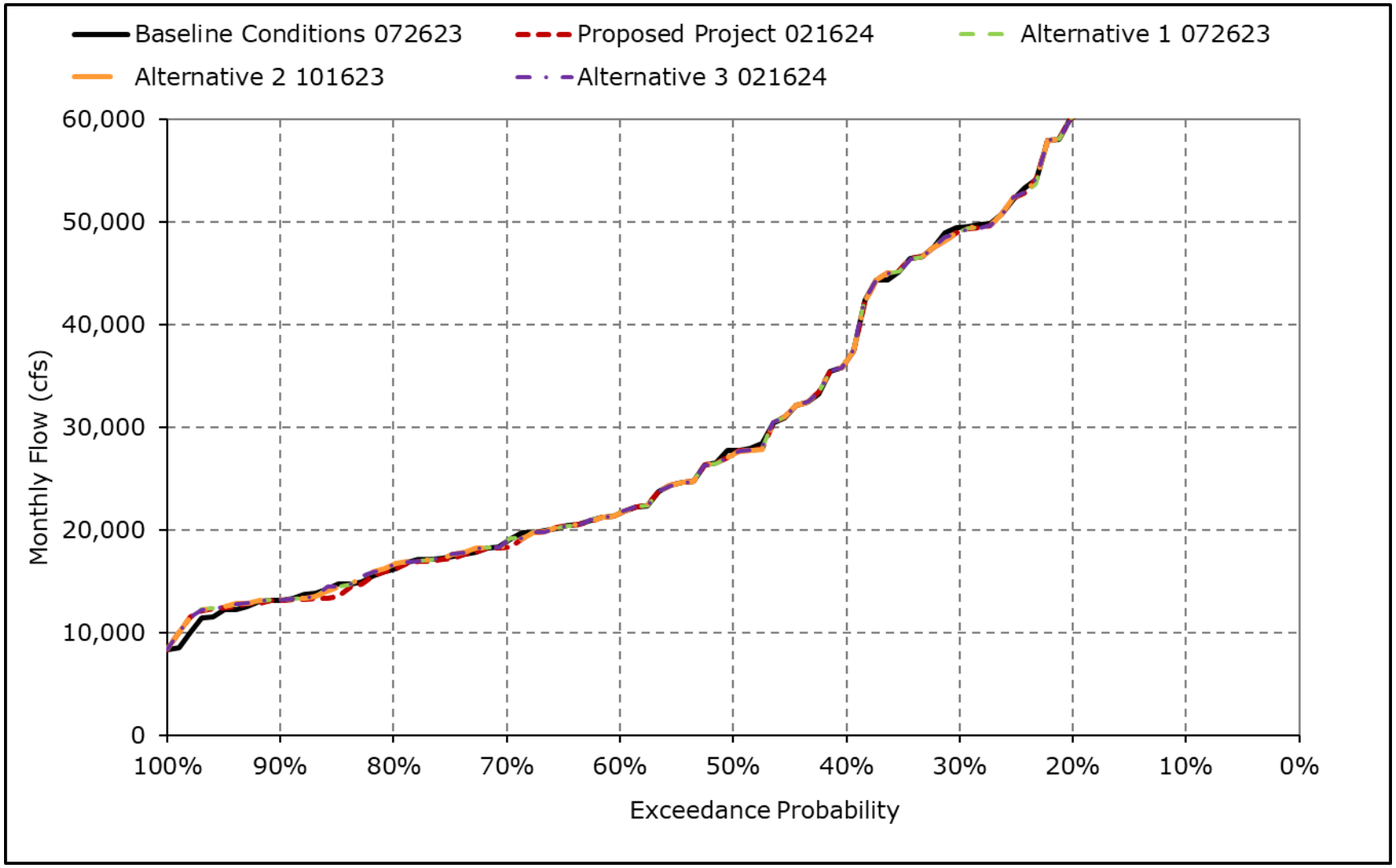
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



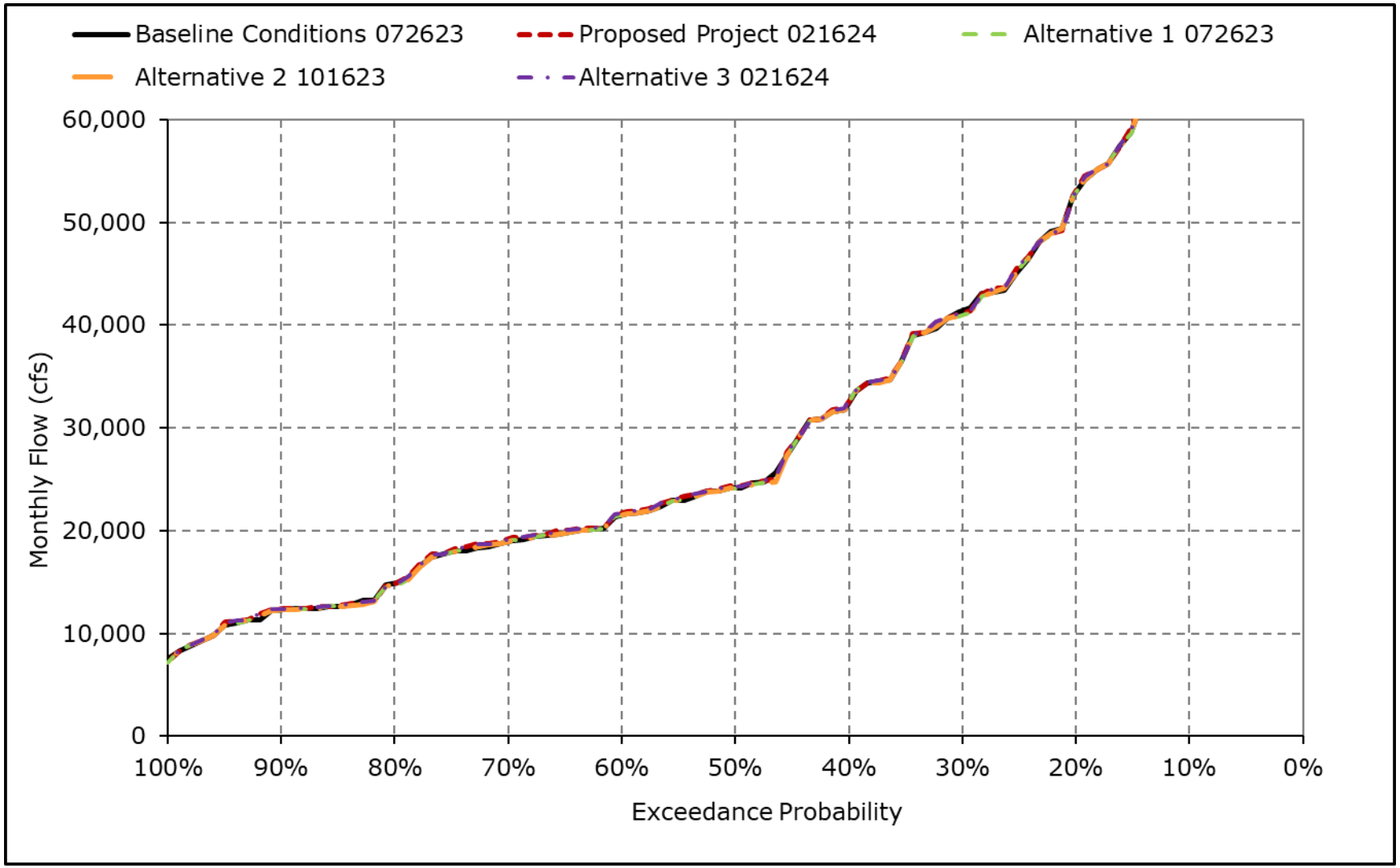
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



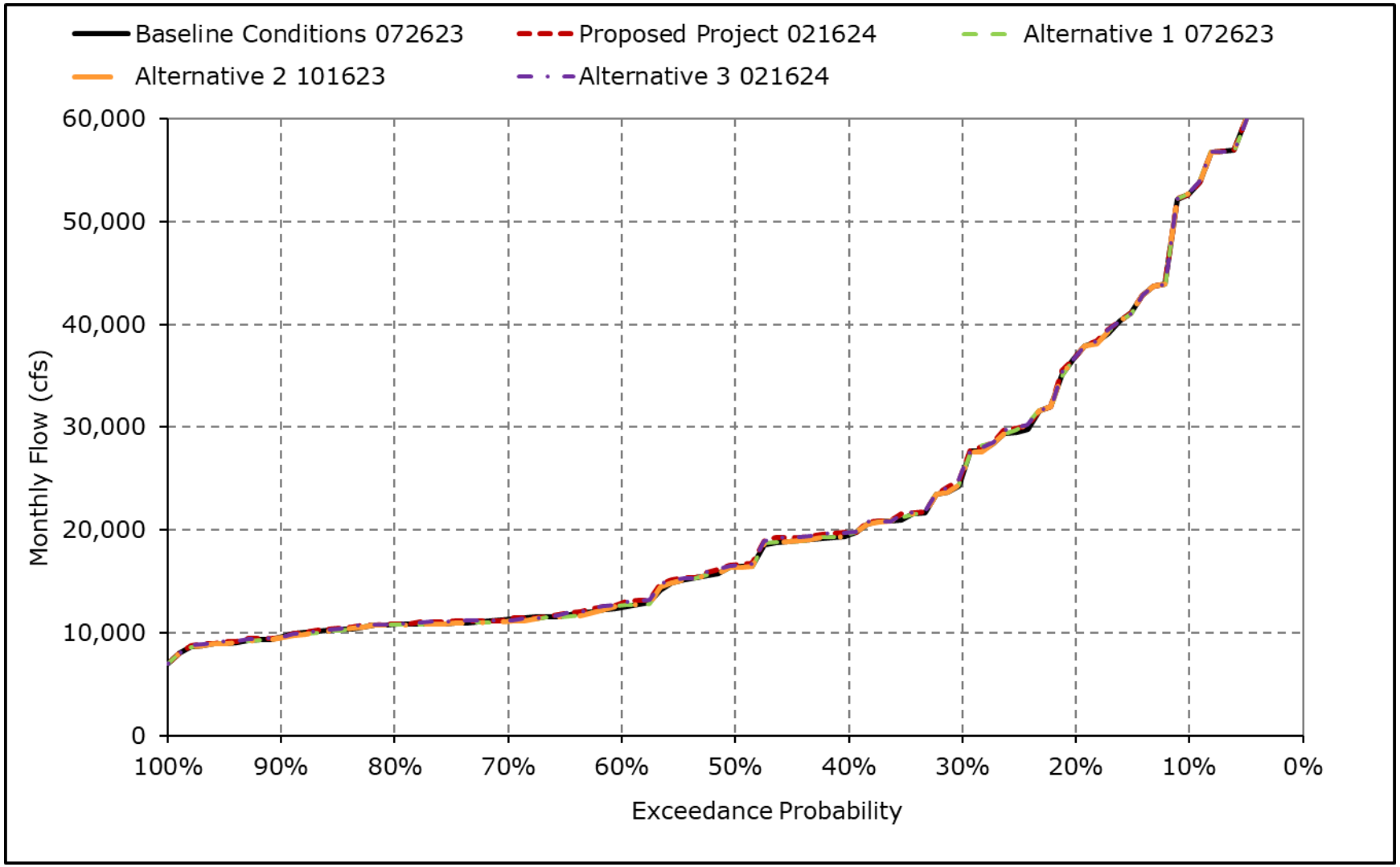
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



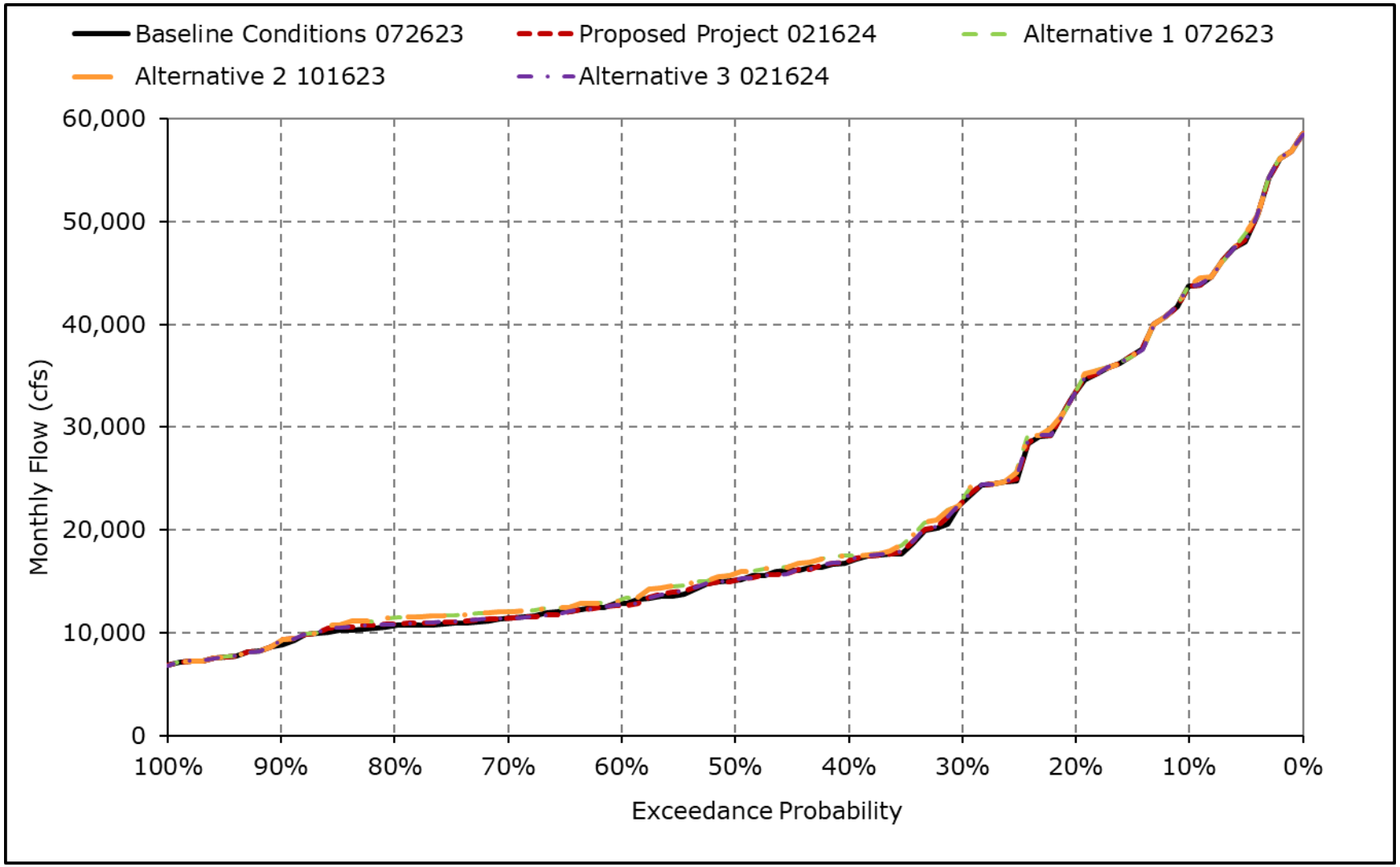
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



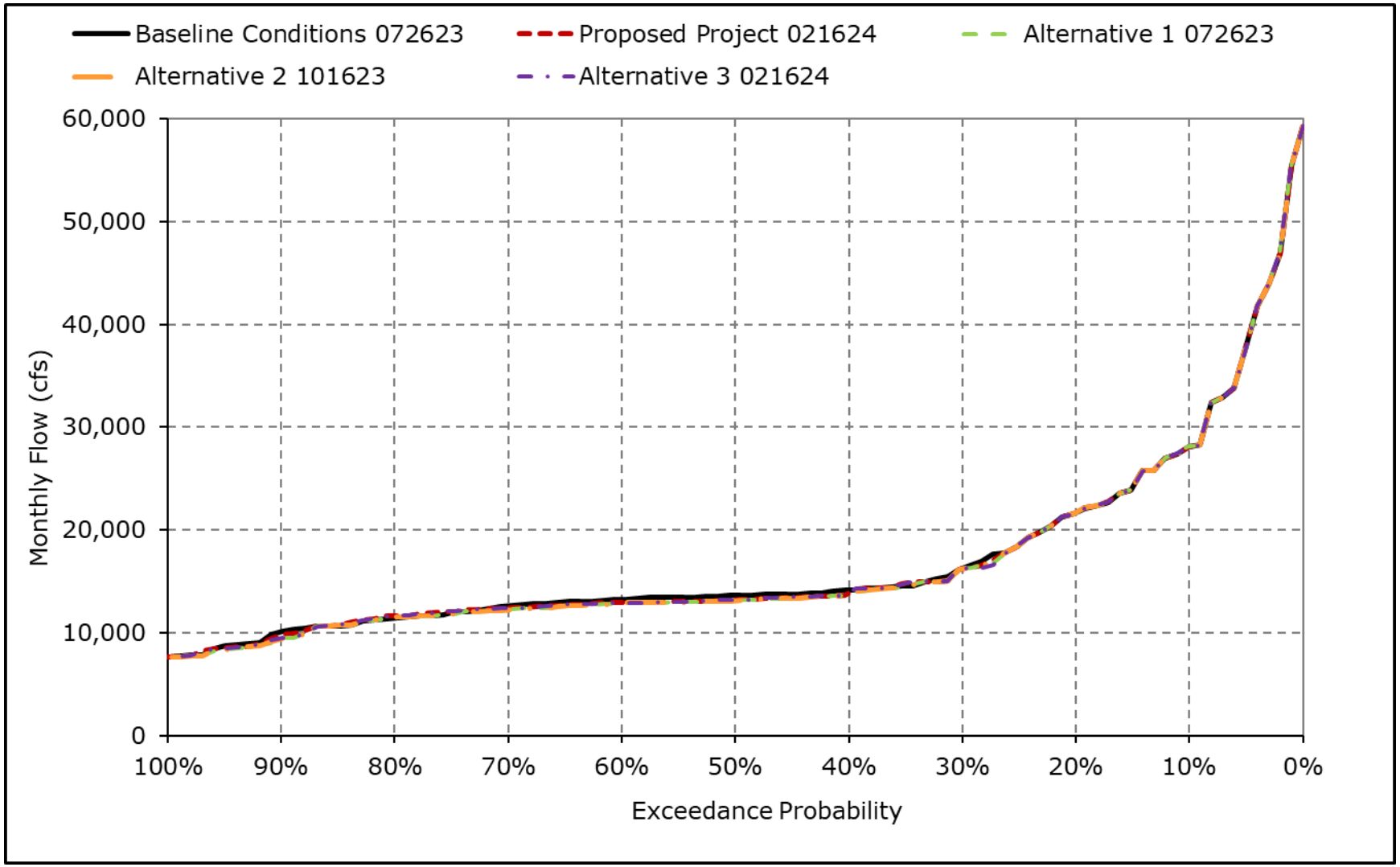
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



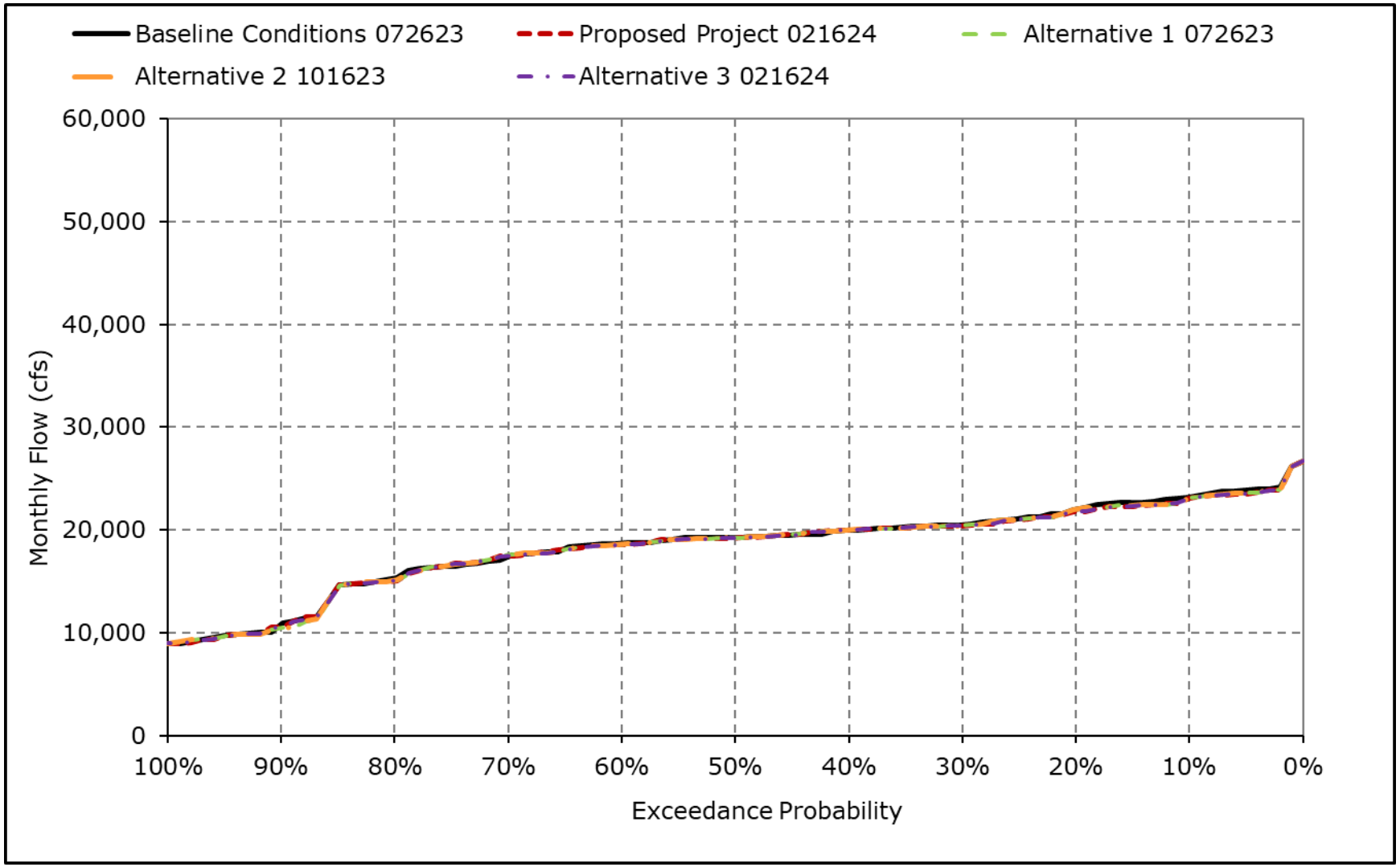
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



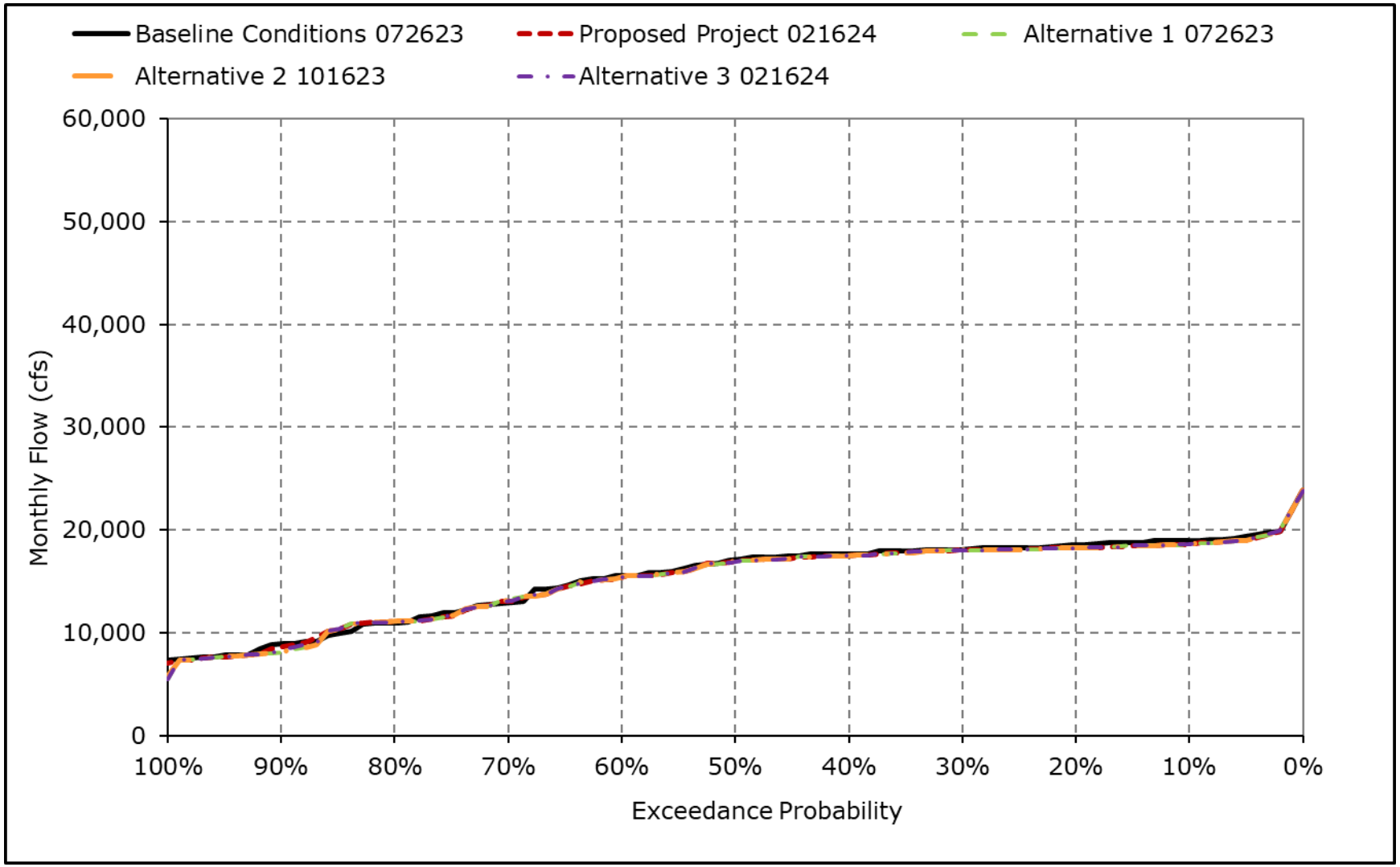
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



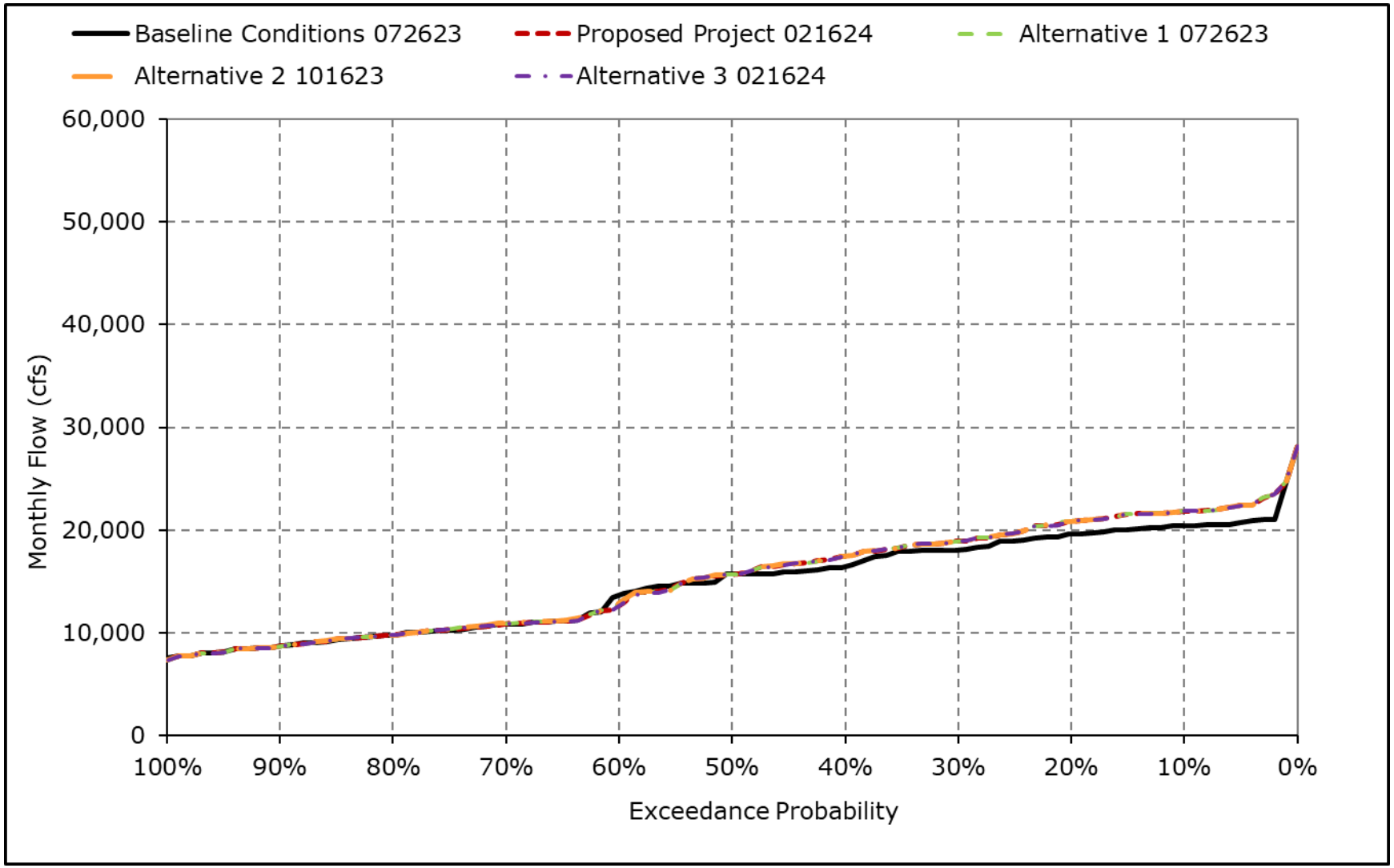
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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 072623, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	3,259	4,174	8,139	9,789	10,793	10,329	8,442	7,157	4,942	4,247	3,653	3,855
20% Exceedance	3,040	3,148	5,668	8,367	9,504	8,467	6,195	5,694	4,031	4,074	3,585	3,745
30% Exceedance	2,934	2,972	4,371	5,769	7,982	6,834	4,548	4,179	3,267	3,861	3,530	3,524
40% Exceedance	2,820	2,891	3,508	4,732	6,147	5,572	3,734	3,359	2,967	3,791	3,467	3,298
50% Exceedance	2,612	2,813	3,116	4,065	4,913	4,392	3,285	3,107	2,893	3,693	3,383	3,189
60% Exceedance	2,353	2,618	2,998	3,736	4,047	4,022	2,732	2,787	2,836	3,613	3,159	2,902
70% Exceedance	2,195	2,430	2,749	3,028	3,649	3,658	2,570	2,580	2,745	3,424	2,790	2,505
80% Exceedance	2,021	2,116	2,415	2,729	3,265	3,080	2,494	2,474	2,580	3,130	2,513	2,352
90% Exceedance	1,910	1,950	2,279	2,540	2,838	2,716	2,328	2,218	2,395	2,497	2,226	2,202
Full Simulation Period Average[a]	2,633	2,958	4,161	5,181	6,071	5,602	4,272	3,876	3,387	3,573	3,128	3,065
Wet Water Years (30%)	2,985	3,693	6,397	7,998	9,329	8,295	6,840	5,887	4,602	3,755	3,463	3,736
Above Normal Water Years (11%)	2,491	2,773	3,692	6,757	7,267	7,305	4,643	4,257	3,590	3,966	3,643	3,647
Below Normal Water Years (21%)	2,668	2,924	3,288	4,115	5,063	4,780	3,448	3,370	2,934	3,960	3,440	3,081
Dry Water Years (22%)	2,559	2,680	3,248	3,246	4,086	3,845	2,762	2,661	2,816	3,567	2,813	2,495
Critical Water Years (16%)	2,128	2,134	2,689	2,877	3,193	2,879	2,359	2,181	2,348	2,462	2,168	2,170

Table 4C-3-2-1b. Georgiana Slough Flow, Proposed Project 021624, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	3,174	4,014	8,172	9,789	10,791	10,351	8,442	7,157	4,941	4,228	3,595	4,059
20% Exceedance	3,036	3,157	5,683	8,356	9,504	8,478	6,198	5,698	4,030	4,047	3,549	3,922
30% Exceedance	2,933	2,972	4,372	5,827	7,922	6,811	4,605	4,188	3,258	3,852	3,516	3,645
40% Exceedance	2,828	2,887	3,501	4,726	6,147	5,589	3,765	3,372	2,928	3,794	3,442	3,437
50% Exceedance	2,578	2,815	3,151	4,070	4,859	4,422	3,314	3,107	2,830	3,682	3,361	3,189
60% Exceedance	2,340	2,649	2,979	3,728	4,048	4,047	2,787	2,756	2,790	3,591	3,140	2,754
70% Exceedance	2,198	2,422	2,744	3,047	3,569	3,693	2,570	2,580	2,716	3,435	2,815	2,501
80% Exceedance	2,028	2,116	2,441	2,718	3,265	3,078	2,504	2,495	2,610	3,093	2,531	2,355
90% Exceedance	1,920	1,951	2,285	2,530	2,834	2,725	2,320	2,272	2,352	2,451	2,178	2,202
Full Simulation Period Average[a]	2,633	2,960	4,167	5,179	6,066	5,617	4,293	3,886	3,369	3,560	3,107	3,133
Wet Water Years (30%)	2,976	3,701	6,397	7,999	9,328	8,296	6,840	5,887	4,606	3,749	3,456	3,875
Above Normal Water Years (11%)	2,503	2,784	3,700	6,756	7,262	7,330	4,676	4,285	3,584	3,937	3,570	3,889
Below Normal Water Years (21%)	2,674	2,901	3,319	4,122	5,037	4,801	3,503	3,358	2,926	3,929	3,408	3,075
Dry Water Years (22%)	2,556	2,691	3,219	3,225	4,074	3,886	2,791	2,694	2,751	3,564	2,798	2,499
Critical Water Years (16%)	2,133	2,140	2,723	2,881	3,222	2,868	2,358	2,188	2,333	2,459	2,162	2,171

Table 4C-3-2-1c. Georgiana Slough Flow, Proposed Project 021624 minus Baseline Conditions 072623, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-85	-160	34	0	-3	21	0	1	-1	-18	-58	203
20% Exceedance	-5	10	15	-12	1	11	3	4	-2	-27	-37	176
30% Exceedance	-1	0	1	58	-60	-23	57	9	-9	-8	-13	121
40% Exceedance	7	-4	-6	-6	0	17	31	13	-39	3	-25	140
50% Exceedance	-33	2	35	5	-54	30	29	-1	-63	-11	-22	1
60% Exceedance	-12	32	-18	-7	0	26	54	-31	-45	-21	-19	-147
70% Exceedance	3	-8	-5	19	-79	35	0	0	-29	11	25	-3
80% Exceedance	7	1	26	-10	0	-2	10	21	30	-37	19	3
90% Exceedance	11	1	7	-10	-4	10	-8	54	-43	-46	-48	0
Full Simulation Period Average[a]	0	2	6	-2	-5	15	21	9	-17	-13	-21	68
Wet Water Years (30%)	-9	8	0	1	-1	1	0	0	4	-6	-7	139
Above Normal Water Years (11%)	12	11	8	-1	-5	25	33	28	-6	-30	-74	242
Below Normal Water Years (21%)	5	-23	30	6	-26	21	55	-12	-8	-31	-32	-6
Dry Water Years (22%)	-3	11	-29	-21	-13	41	28	33	-65	-3	-15	4
Critical Water Years (16%)	6	6	34	4	29	-11	-1	7	-15	-4	-6	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 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 072623, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	3,259	4,174	8,139	9,789	10,793	10,329	8,442	7,157	4,942	4,247	3,653	3,855
20% Exceedance	3,040	3,148	5,668	8,367	9,504	8,467	6,195	5,694	4,031	4,074	3,585	3,745
30% Exceedance	2,934	2,972	4,371	5,769	7,982	6,834	4,548	4,179	3,267	3,861	3,530	3,524
40% Exceedance	2,820	2,891	3,508	4,732	6,147	5,572	3,734	3,359	2,967	3,791	3,467	3,298
50% Exceedance	2,612	2,813	3,116	4,065	4,913	4,392	3,285	3,107	2,893	3,693	3,383	3,189
60% Exceedance	2,353	2,618	2,998	3,736	4,047	4,022	2,732	2,787	2,836	3,613	3,159	2,902
70% Exceedance	2,195	2,430	2,749	3,028	3,649	3,658	2,570	2,580	2,745	3,424	2,790	2,505
80% Exceedance	2,021	2,116	2,415	2,729	3,265	3,080	2,494	2,474	2,580	3,130	2,513	2,352
90% Exceedance	1,910	1,950	2,279	2,540	2,838	2,716	2,328	2,218	2,395	2,497	2,226	2,202
Full Simulation Period Average[a]	2,633	2,958	4,161	5,181	6,071	5,602	4,272	3,876	3,387	3,573	3,128	3,065
Wet Water Years (30%)	2,985	3,693	6,397	7,998	9,329	8,295	6,840	5,887	4,602	3,755	3,463	3,736
Above Normal Water Years (11%)	2,491	2,773	3,692	6,757	7,267	7,305	4,643	4,257	3,590	3,966	3,643	3,647
Below Normal Water Years (21%)	2,668	2,924	3,288	4,115	5,063	4,780	3,448	3,370	2,934	3,960	3,440	3,081
Dry Water Years (22%)	2,559	2,680	3,248	3,246	4,086	3,845	2,762	2,661	2,816	3,567	2,813	2,495
Critical Water Years (16%)	2,128	2,134	2,689	2,877	3,193	2,879	2,359	2,181	2,348	2,462	2,168	2,170

Table 4C-3-2-2b. Georgiana Slough Flow, Alternative 1 072623, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	3,175	4,014	8,174	9,789	10,791	10,350	8,442	7,167	4,941	4,230	3,595	4,057
20% Exceedance	3,034	3,158	5,693	8,370	9,504	8,467	6,198	5,709	4,029	4,076	3,548	3,922
30% Exceedance	2,933	2,973	4,371	5,826	7,922	6,777	4,555	4,214	3,258	3,855	3,519	3,645
40% Exceedance	2,827	2,890	3,502	4,725	6,148	5,572	3,734	3,438	2,912	3,794	3,443	3,438
50% Exceedance	2,574	2,815	3,108	4,071	4,856	4,393	3,285	3,193	2,818	3,686	3,360	3,190
60% Exceedance	2,340	2,648	2,980	3,728	4,049	4,020	2,758	2,833	2,781	3,596	3,141	2,785
70% Exceedance	2,190	2,437	2,753	3,021	3,649	3,658	2,543	2,671	2,696	3,453	2,836	2,511
80% Exceedance	2,029	2,128	2,419	2,718	3,331	3,056	2,493	2,589	2,586	3,098	2,529	2,352
90% Exceedance	1,910	1,951	2,289	2,530	2,844	2,717	2,319	2,271	2,293	2,444	2,105	2,202
Full Simulation Period Average[a]	2,632	2,962	4,163	5,180	6,077	5,598	4,271	3,934	3,356	3,562	3,101	3,136
Wet Water Years (30%)	2,972	3,700	6,396	8,000	9,329	8,296	6,840	5,887	4,606	3,748	3,456	3,875
Above Normal Water Years (11%)	2,496	2,778	3,705	6,759	7,256	7,282	4,652	4,376	3,569	3,946	3,567	3,899
Below Normal Water Years (21%)	2,675	2,897	3,310	4,122	5,037	4,773	3,448	3,451	2,907	3,936	3,406	3,078
Dry Water Years (22%)	2,557	2,690	3,219	3,225	4,112	3,849	2,756	2,782	2,726	3,568	2,790	2,506
Critical Water Years (16%)	2,133	2,163	2,710	2,887	3,239	2,868	2,358	2,188	2,320	2,450	2,140	2,170

Table 4C-3-2-2c. Georgiana Slough Flow, Alternative 1 072623 minus Baseline Conditions 072623, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-85	-160	35	0	-3	20	1	10	-1	-17	-57	202
20% Exceedance	-6	10	25	2	0	0	3	14	-2	2	-37	176
30% Exceedance	-1	1	1	57	-60	-56	7	35	-9	-5	-11	121
40% Exceedance	7	-1	-6	-7	1	0	0	79	-55	3	-24	140
50% Exceedance	-38	2	-8	6	-57	1	-1	86	-75	-7	-23	1
60% Exceedance	-12	31	-18	-8	2	-2	25	46	-55	-17	-18	-117
70% Exceedance	-4	6	4	-7	1	0	-28	91	-49	30	46	6
80% Exceedance	7	12	4	-11	66	-24	-1	115	7	-33	17	-1
90% Exceedance	0	0	11	-10	6	1	-9	53	-102	-53	-121	0
Full Simulation Period Average[a]	-2	4	3	-1	6	-5	0	58	-31	-11	-27	71
Wet Water Years (30%)	-13	8	-1	2	0	0	0	0	4	-7	-7	139
Above Normal Water Years (11%)	6	5	13	2	-11	-23	9	119	-20	-20	-77	252
Below Normal Water Years (21%)	7	-27	22	7	-25	-7	0	81	-27	-23	-34	-3
Dry Water Years (22%)	-3	10	-29	-20	25	4	-6	121	-90	1	-23	11
Critical Water Years (16%)	6	30	20	10	46	-11	-1	7	-28	-12	-28	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-3-2-3a. Georgiana Slough Flow, Baseline Conditions 072623, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	3,259	4,174	8,139	9,789	10,793	10,329	8,442	7,157	4,942	4,247	3,653	3,855
20% Exceedance	3,040	3,148	5,668	8,367	9,504	8,467	6,195	5,694	4,031	4,074	3,585	3,745
30% Exceedance	2,934	2,972	4,371	5,769	7,982	6,834	4,548	4,179	3,267	3,861	3,530	3,524
40% Exceedance	2,820	2,891	3,508	4,732	6,147	5,572	3,734	3,359	2,967	3,791	3,467	3,298
50% Exceedance	2,612	2,813	3,116	4,065	4,913	4,392	3,285	3,107	2,893	3,693	3,383	3,189
60% Exceedance	2,353	2,618	2,998	3,736	4,047	4,022	2,732	2,787	2,836	3,613	3,159	2,902
70% Exceedance	2,195	2,430	2,749	3,028	3,649	3,658	2,570	2,580	2,745	3,424	2,790	2,505
80% Exceedance	2,021	2,116	2,415	2,729	3,265	3,080	2,494	2,474	2,580	3,130	2,513	2,352
90% Exceedance	1,910	1,950	2,279	2,540	2,838	2,716	2,328	2,218	2,395	2,497	2,226	2,202
Full Simulation Period Average[a]	2,633	2,958	4,161	5,181	6,071	5,602	4,272	3,876	3,387	3,573	3,128	3,065
Wet Water Years (30%)	2,985	3,693	6,397	7,998	9,329	8,295	6,840	5,887	4,602	3,755	3,463	3,736
Above Normal Water Years (11%)	2,491	2,773	3,692	6,757	7,267	7,305	4,643	4,257	3,590	3,966	3,643	3,647
Below Normal Water Years (21%)	2,668	2,924	3,288	4,115	5,063	4,780	3,448	3,370	2,934	3,960	3,440	3,081
Dry Water Years (22%)	2,559	2,680	3,248	3,246	4,086	3,845	2,762	2,661	2,816	3,567	2,813	2,495
Critical Water Years (16%)	2,128	2,134	2,689	2,877	3,193	2,879	2,359	2,181	2,348	2,462	2,168	2,170

Table 4C-3-2-3b. Georgiana Slough Flow, Alternative 2 101623, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	3,175	4,014	8,174	9,789	10,791	10,350	8,442	7,167	4,942	4,230	3,596	4,057
20% Exceedance	3,034	3,158	5,693	8,369	9,504	8,467	6,198	5,708	4,029	4,076	3,548	3,922
30% Exceedance	2,933	2,972	4,371	5,830	7,922	6,778	4,555	4,214	3,258	3,853	3,519	3,645
40% Exceedance	2,827	2,887	3,502	4,725	6,148	5,572	3,734	3,438	2,912	3,794	3,443	3,439
50% Exceedance	2,574	2,815	3,153	4,071	4,856	4,393	3,285	3,193	2,818	3,686	3,361	3,190
60% Exceedance	2,341	2,648	2,981	3,729	4,048	4,019	2,758	2,831	2,781	3,596	3,143	2,790
70% Exceedance	2,190	2,437	2,753	3,043	3,592	3,658	2,544	2,671	2,696	3,442	2,835	2,511
80% Exceedance	2,029	2,128	2,419	2,718	3,331	3,056	2,493	2,589	2,586	3,098	2,534	2,352
90% Exceedance	1,910	1,951	2,289	2,530	2,844	2,717	2,319	2,271	2,296	2,442	2,121	2,202
Full Simulation Period Average[a]	2,632	2,961	4,166	5,180	6,076	5,598	4,271	3,934	3,356	3,562	3,101	3,136
Wet Water Years (30%)	2,972	3,700	6,398	7,999	9,327	8,296	6,840	5,887	4,606	3,749	3,456	3,875
Above Normal Water Years (11%)	2,496	2,777	3,702	6,759	7,261	7,281	4,652	4,376	3,570	3,946	3,567	3,899
Below Normal Water Years (21%)	2,675	2,897	3,321	4,122	5,037	4,773	3,444	3,450	2,907	3,936	3,406	3,079
Dry Water Years (22%)	2,556	2,691	3,221	3,226	4,108	3,850	2,757	2,782	2,727	3,567	2,792	2,506
Critical Water Years (16%)	2,133	2,160	2,709	2,887	3,236	2,867	2,358	2,188	2,320	2,450	2,143	2,171

Table 4C-3-2-3c. Georgiana Slough Flow, Alternative 2 101623 minus Baseline Conditions 072623, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-85	-160	36	0	-3	20	1	10	-1	-17	-57	202
20% Exceedance	-6	10	25	2	0	0	3	14	-2	2	-37	176
30% Exceedance	-1	0	1	61	-60	-56	6	35	-9	-7	-11	121
40% Exceedance	7	-4	-5	-7	1	0	0	79	-55	3	-24	141
50% Exceedance	-38	2	37	6	-57	1	-1	86	-75	-7	-22	1
60% Exceedance	-12	31	-17	-6	0	-2	25	45	-55	-17	-16	-112
70% Exceedance	-4	7	4	16	-57	0	-27	91	-49	19	45	6
80% Exceedance	7	12	4	-11	66	-24	-1	115	7	-32	22	0
90% Exceedance	0	0	11	-9	6	1	-9	53	-99	-55	-105	0
Full Simulation Period Average[a]	-2	4	5	-1	5	-5	-1	58	-31	-11	-26	71
Wet Water Years (30%)	-13	8	1	2	-2	0	0	0	4	-6	-7	139
Above Normal Water Years (11%)	5	4	10	2	-5	-25	9	119	-20	-20	-77	252
Below Normal Water Years (21%)	7	-27	33	7	-26	-7	-4	80	-27	-23	-34	-2
Dry Water Years (22%)	-3	10	-27	-20	21	5	-6	121	-89	0	-21	11
Critical Water Years (16%)	5	26	20	10	43	-11	-1	7	-28	-13	-25	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-3-2-4a. Georgiana Slough Flow, Baseline Conditions 072623, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	3,259	4,174	8,139	9,789	10,793	10,329	8,442	7,157	4,942	4,247	3,653	3,855
20% Exceedance	3,040	3,148	5,668	8,367	9,504	8,467	6,195	5,694	4,031	4,074	3,585	3,745
30% Exceedance	2,934	2,972	4,371	5,769	7,982	6,834	4,548	4,179	3,267	3,861	3,530	3,524
40% Exceedance	2,820	2,891	3,508	4,732	6,147	5,572	3,734	3,359	2,967	3,791	3,467	3,298
50% Exceedance	2,612	2,813	3,116	4,065	4,913	4,392	3,285	3,107	2,893	3,693	3,383	3,189
60% Exceedance	2,353	2,618	2,998	3,736	4,047	4,022	2,732	2,787	2,836	3,613	3,159	2,902
70% Exceedance	2,195	2,430	2,749	3,028	3,649	3,658	2,570	2,580	2,745	3,424	2,790	2,505
80% Exceedance	2,021	2,116	2,415	2,729	3,265	3,080	2,494	2,474	2,580	3,130	2,513	2,352
90% Exceedance	1,910	1,950	2,279	2,540	2,838	2,716	2,328	2,218	2,395	2,497	2,226	2,202
Full Simulation Period Average[a]	2,633	2,958	4,161	5,181	6,071	5,602	4,272	3,876	3,387	3,573	3,128	3,065
Wet Water Years (30%)	2,985	3,693	6,397	7,998	9,329	8,295	6,840	5,887	4,602	3,755	3,463	3,736
Above Normal Water Years (11%)	2,491	2,773	3,692	6,757	7,267	7,305	4,643	4,257	3,590	3,966	3,643	3,647
Below Normal Water Years (21%)	2,668	2,924	3,288	4,115	5,063	4,780	3,448	3,370	2,934	3,960	3,440	3,081
Dry Water Years (22%)	2,559	2,680	3,248	3,246	4,086	3,845	2,762	2,661	2,816	3,567	2,813	2,495
Critical Water Years (16%)	2,128	2,134	2,689	2,877	3,193	2,879	2,359	2,181	2,348	2,462	2,168	2,170

Table 4C-3-2-4b. Georgiana Slough Flow, Alternative 3 021624, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	3,174	4,014	8,172	9,789	10,791	10,351	8,442	7,157	4,941	4,228	3,594	4,059
20% Exceedance	3,036	3,157	5,683	8,356	9,504	8,478	6,198	5,698	4,030	4,047	3,549	3,922
30% Exceedance	2,933	2,972	4,371	5,826	7,922	6,811	4,606	4,188	3,258	3,852	3,516	3,645
40% Exceedance	2,827	2,896	3,502	4,726	6,147	5,589	3,765	3,372	2,928	3,794	3,442	3,437
50% Exceedance	2,578	2,815	3,108	4,069	4,859	4,422	3,314	3,107	2,830	3,682	3,360	3,189
60% Exceedance	2,340	2,649	2,979	3,729	4,049	4,048	2,787	2,760	2,790	3,591	3,140	2,753
70% Exceedance	2,198	2,422	2,744	3,047	3,649	3,693	2,549	2,580	2,716	3,438	2,816	2,502
80% Exceedance	2,028	2,116	2,441	2,718	3,331	3,078	2,504	2,495	2,610	3,093	2,531	2,355
90% Exceedance	1,920	1,951	2,285	2,530	2,844	2,725	2,320	2,272	2,298	2,450	2,148	2,202
Full Simulation Period Average[a]	2,633	2,960	4,163	5,180	6,078	5,617	4,293	3,886	3,366	3,559	3,102	3,133
Wet Water Years (30%)	2,976	3,701	6,395	8,000	9,329	8,296	6,840	5,887	4,606	3,748	3,456	3,875
Above Normal Water Years (11%)	2,500	2,785	3,694	6,756	7,263	7,332	4,676	4,285	3,575	3,937	3,569	3,890
Below Normal Water Years (21%)	2,674	2,901	3,308	4,127	5,037	4,801	3,503	3,358	2,926	3,929	3,408	3,073
Dry Water Years (22%)	2,556	2,691	3,219	3,225	4,112	3,887	2,789	2,695	2,745	3,562	2,788	2,499
Critical Water Years (16%)	2,133	2,139	2,721	2,880	3,239	2,867	2,358	2,188	2,329	2,457	2,148	2,171

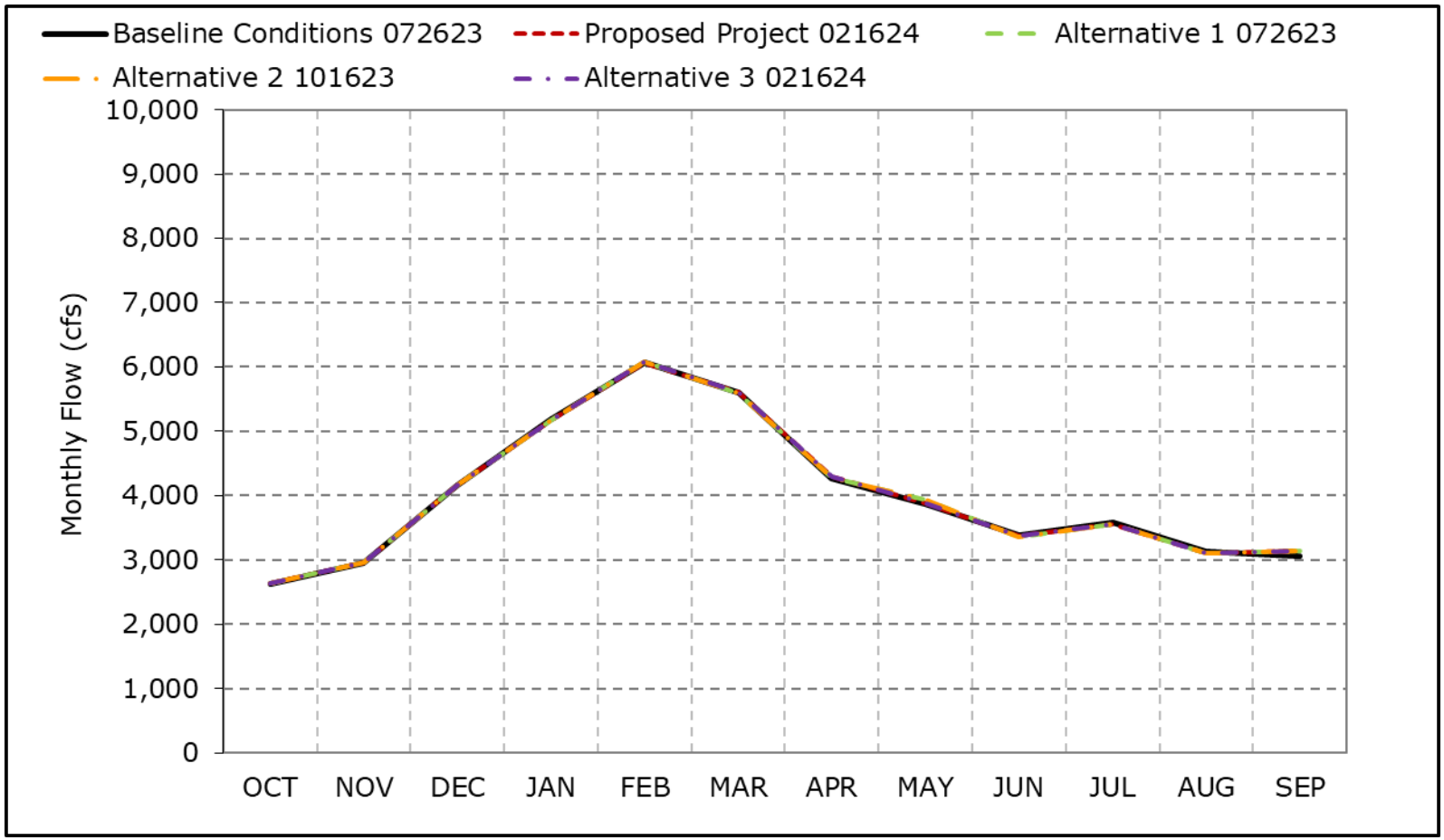
Table 4C-3-2-4c. Georgiana Slough Flow, Alternative 3 021624 minus Baseline Conditions 072623, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-85	-160	34	0	-3	21	0	1	-1	-19	-58	204
20% Exceedance	-5	10	15	-12	1	11	3	3	-2	-27	-37	176
30% Exceedance	-1	0	1	57	-60	-23	57	9	-9	-8	-13	121
40% Exceedance	7	5	-6	-6	0	17	31	13	-39	3	-25	140
50% Exceedance	-33	2	-8	5	-55	30	29	-1	-63	-11	-23	1
60% Exceedance	-12	32	-19	-7	2	26	54	-27	-45	-21	-19	-149
70% Exceedance	3	-8	-5	19	1	35	-21	0	-29	15	26	-3
80% Exceedance	7	1	26	-11	66	-2	10	21	30	-37	18	3
90% Exceedance	11	0	7	-10	6	10	-8	54	-97	-47	-78	0
Full Simulation Period Average[a]	0	2	2	-1	7	15	21	9	-20	-14	-26	67
Wet Water Years (30%)	-9	8	-3	2	0	1	0	0	4	-7	-7	139
Above Normal Water Years (11%)	10	12	2	0	-4	27	33	28	-15	-30	-75	243
Below Normal Water Years (21%)	5	-23	20	11	-26	21	55	-12	-8	-31	-32	-9
Dry Water Years (22%)	-3	11	-29	-21	26	41	27	34	-71	-5	-25	4
Critical Water Years (16%)	5	6	32	3	46	-12	-1	7	-19	-6	-20	0

[a] Based on the 100-year simulation period.

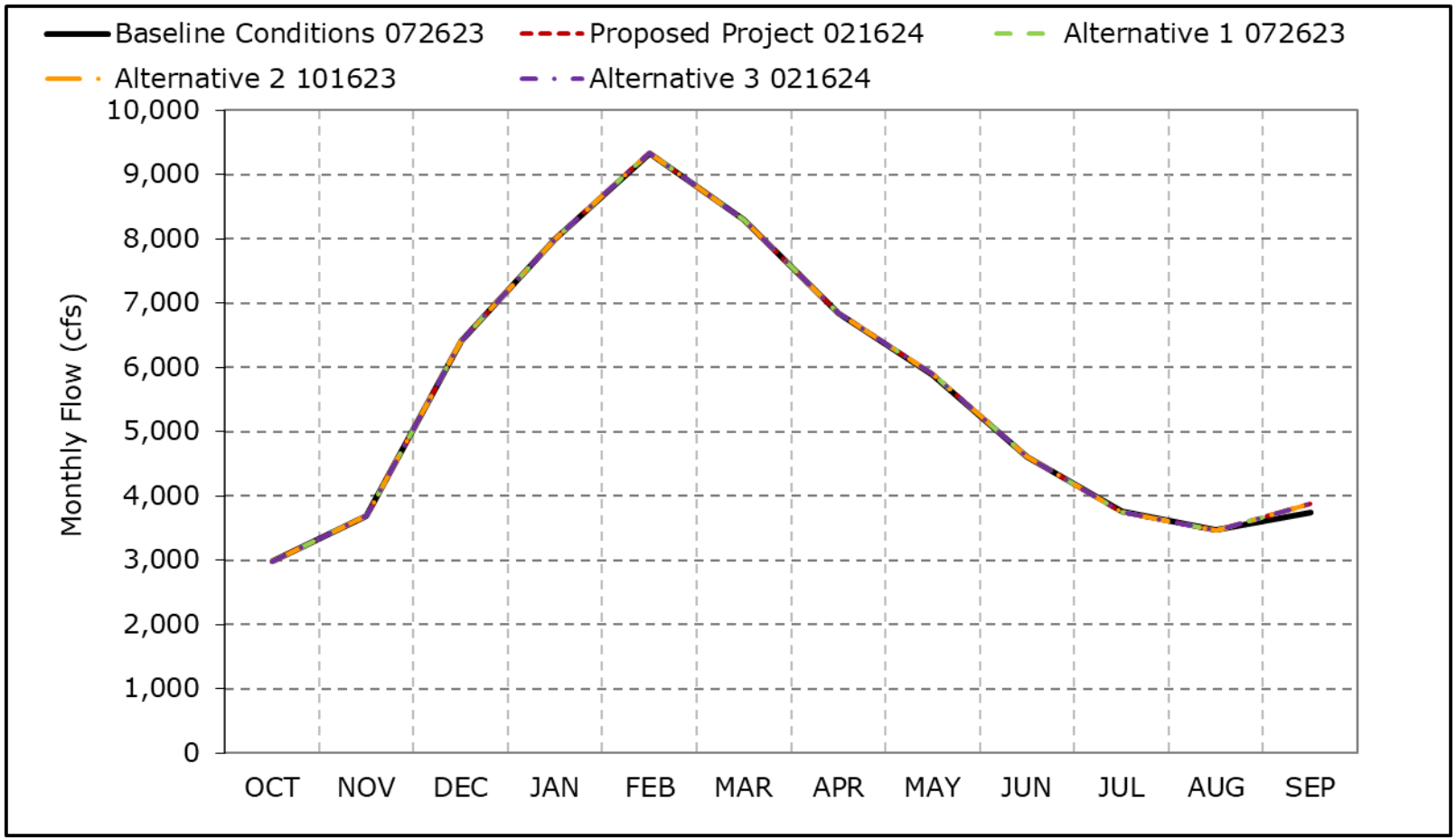
* All scenarios are simulated at current climate condition and 0 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with water year - year type sorting.

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



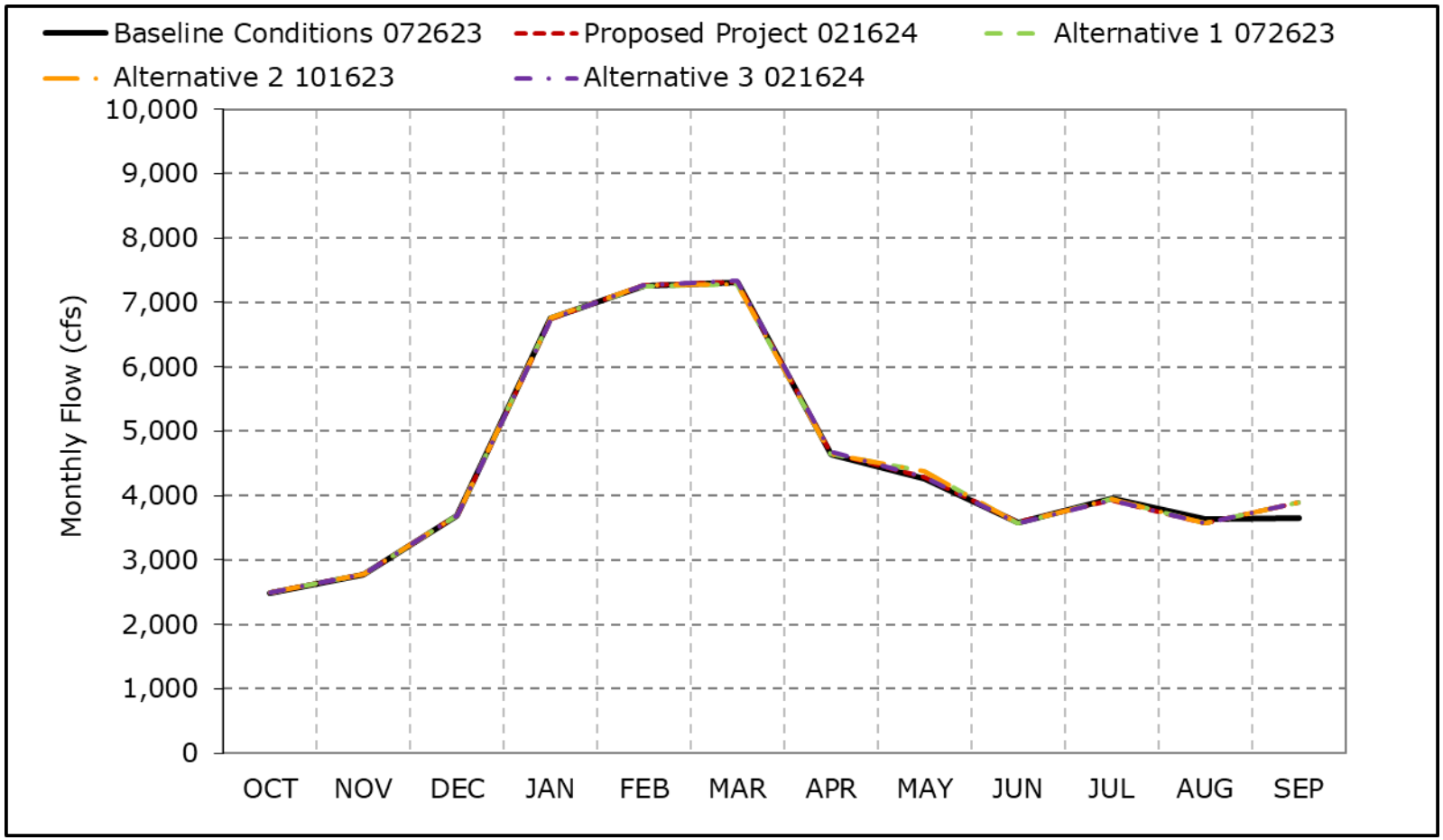
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



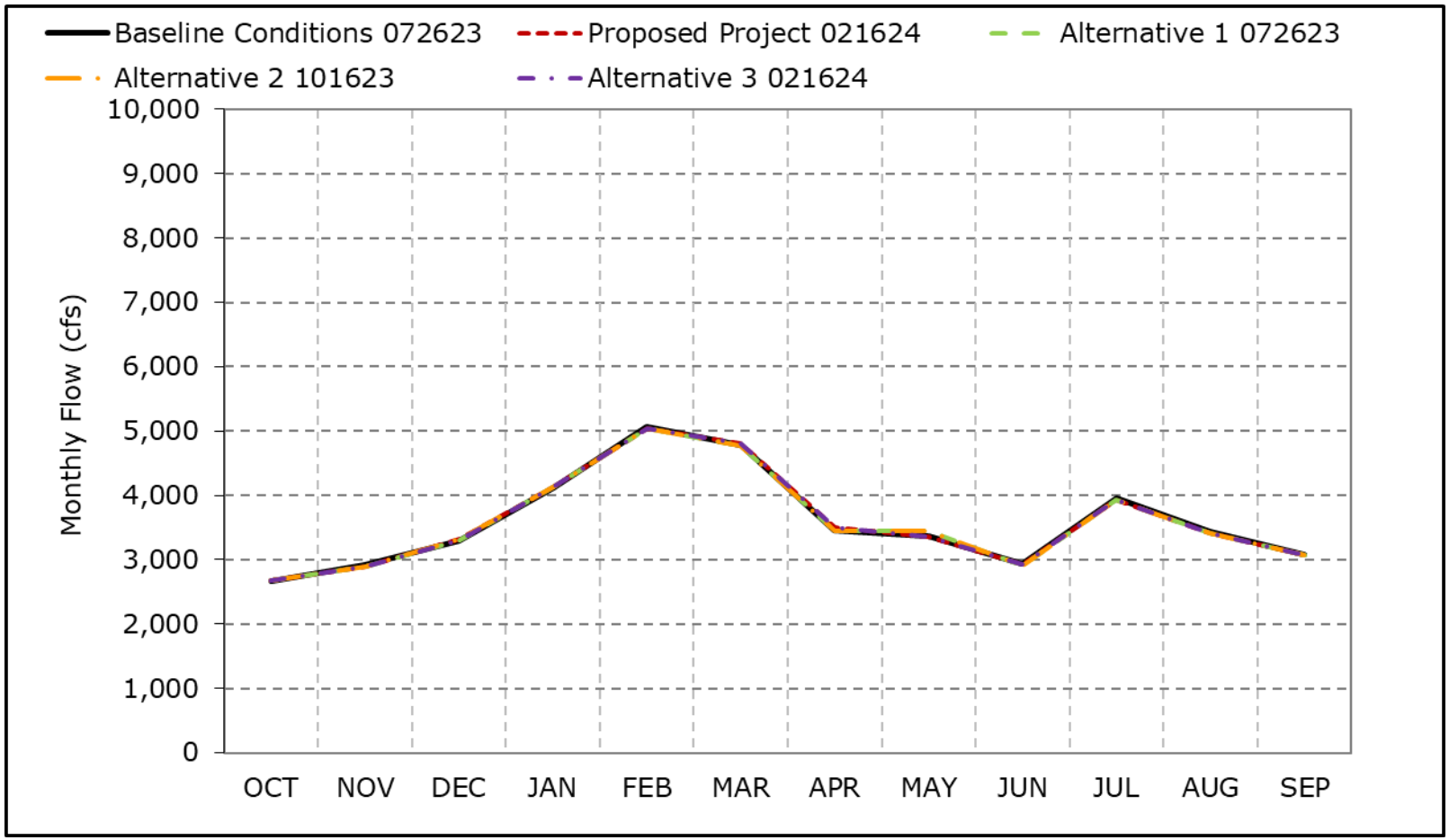
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



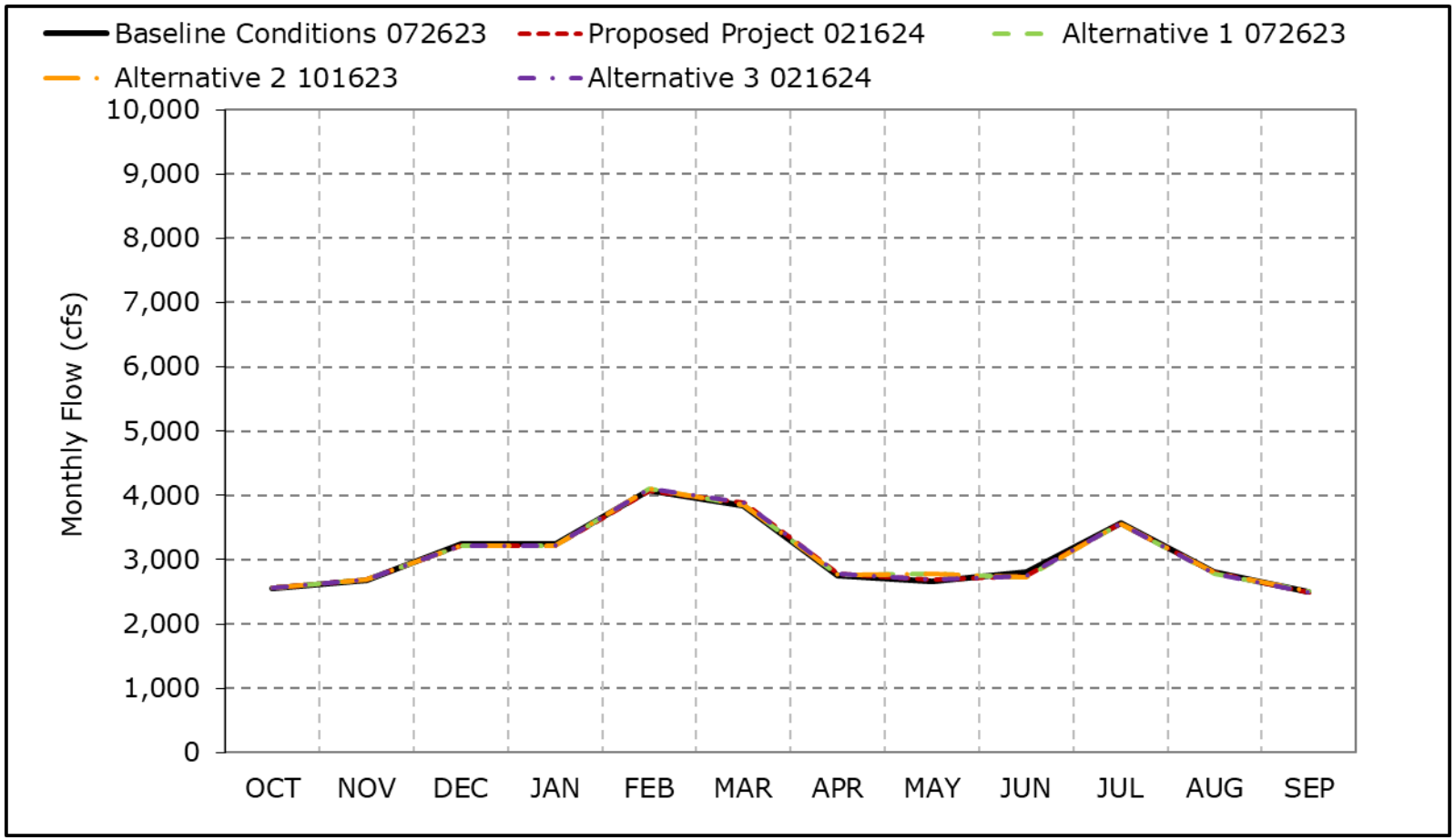
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



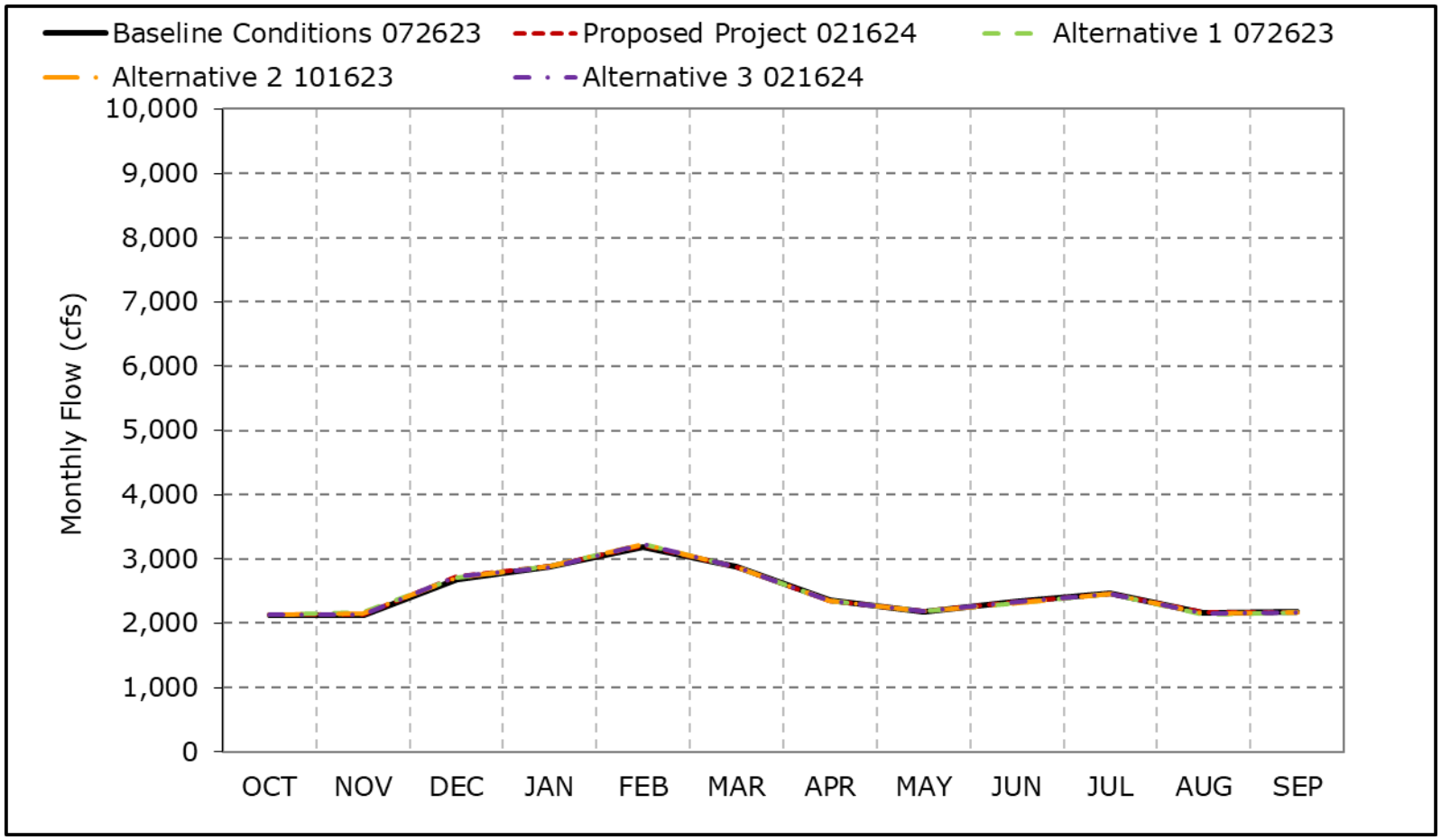
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



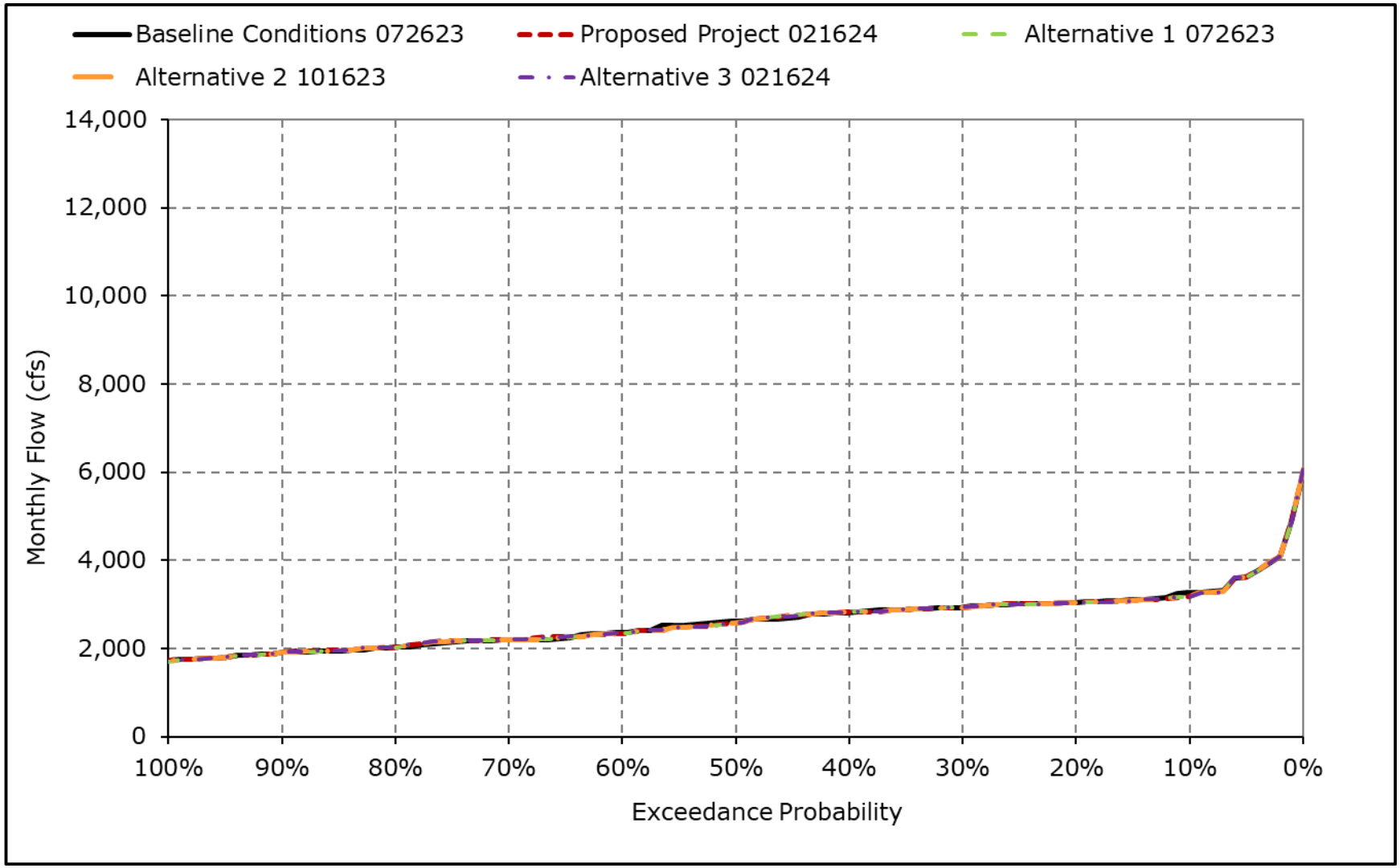
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



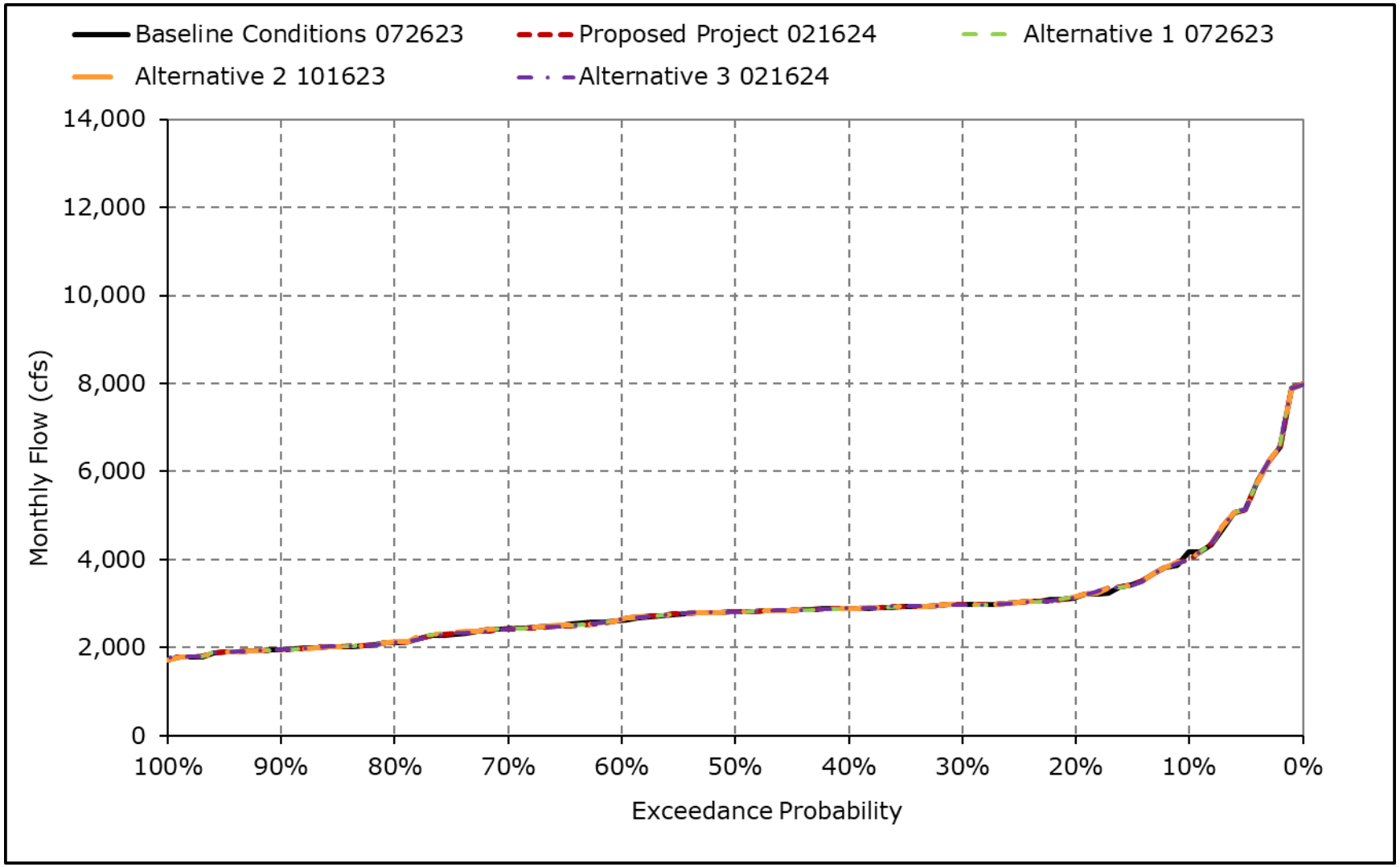
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



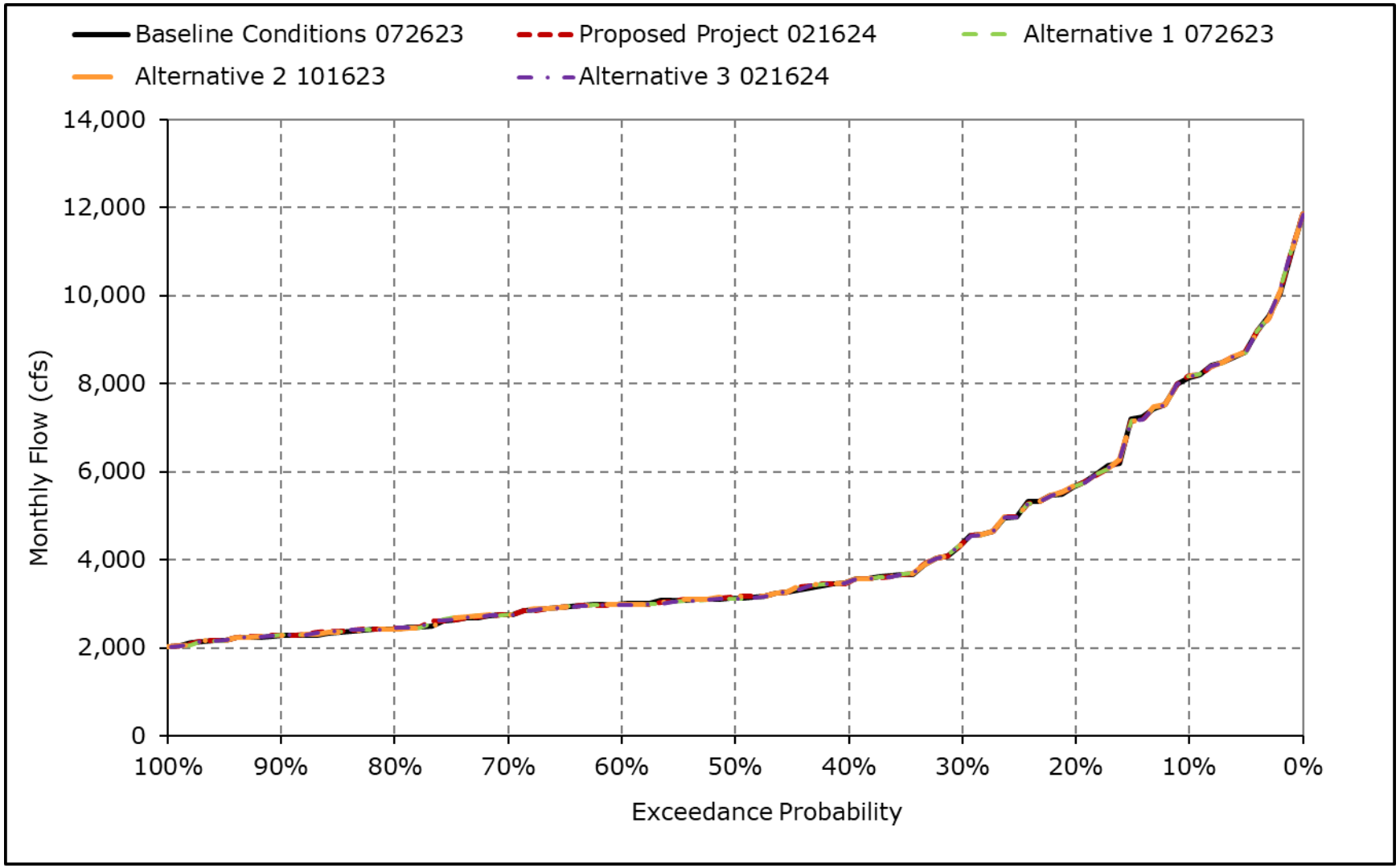
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



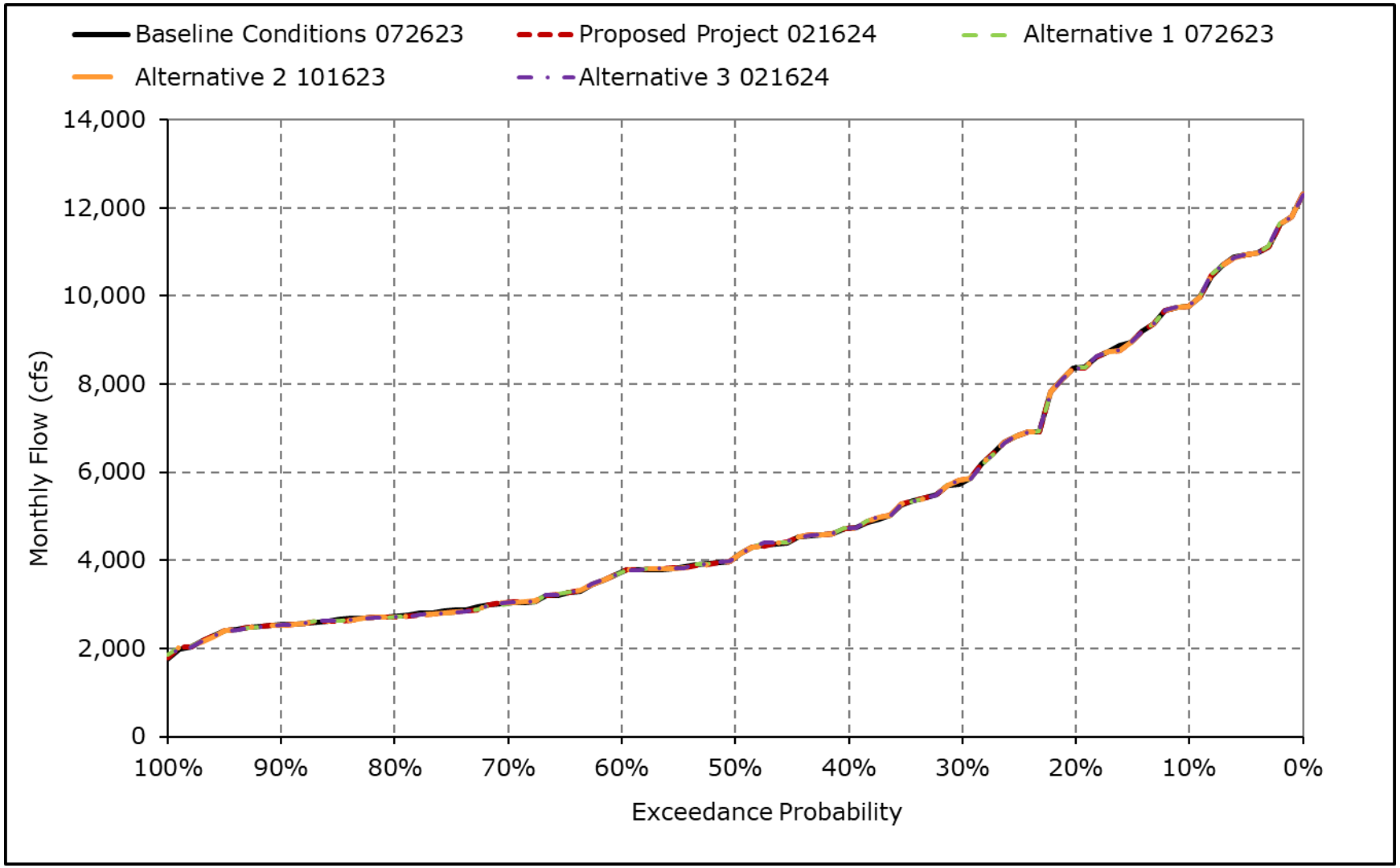
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



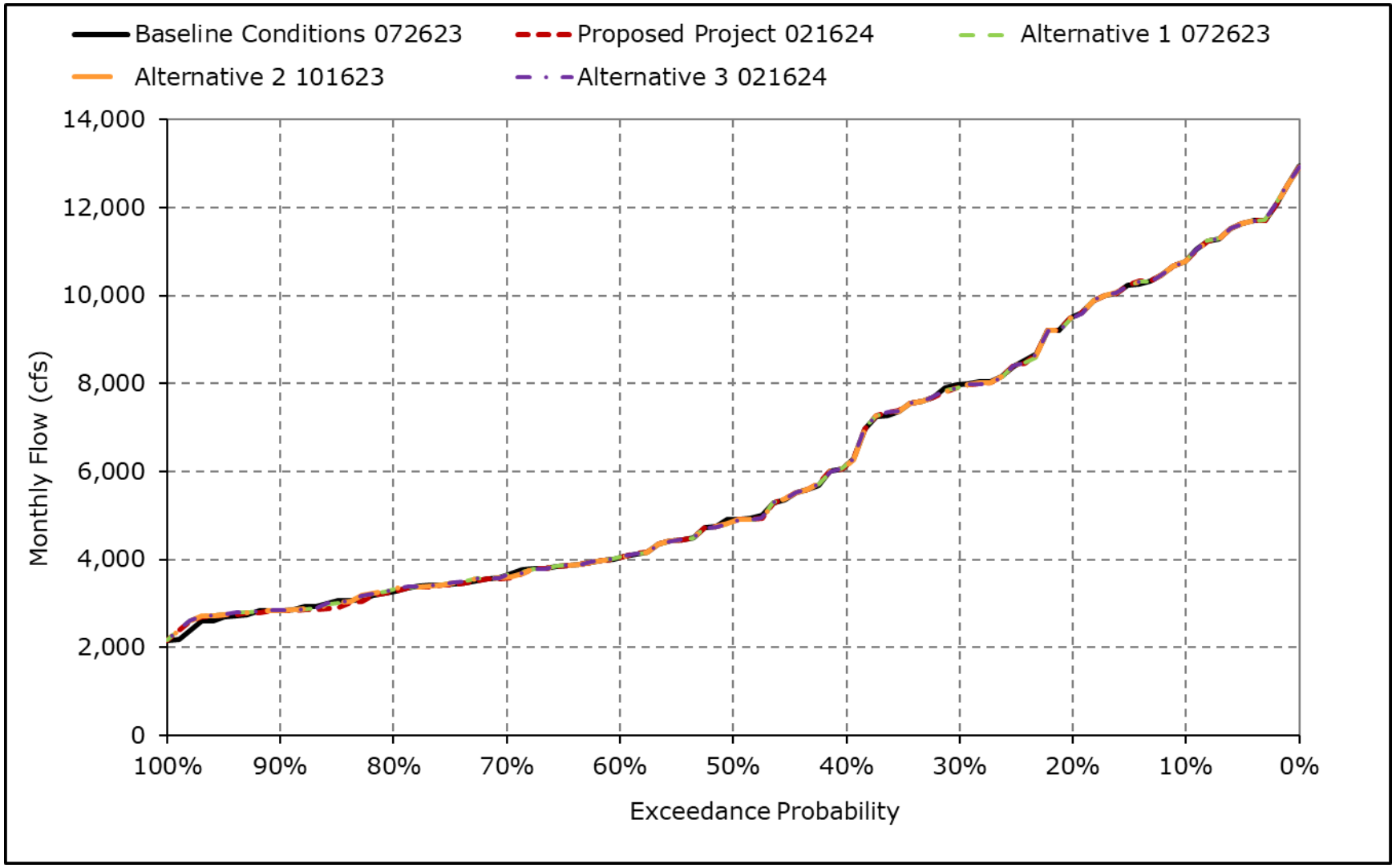
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



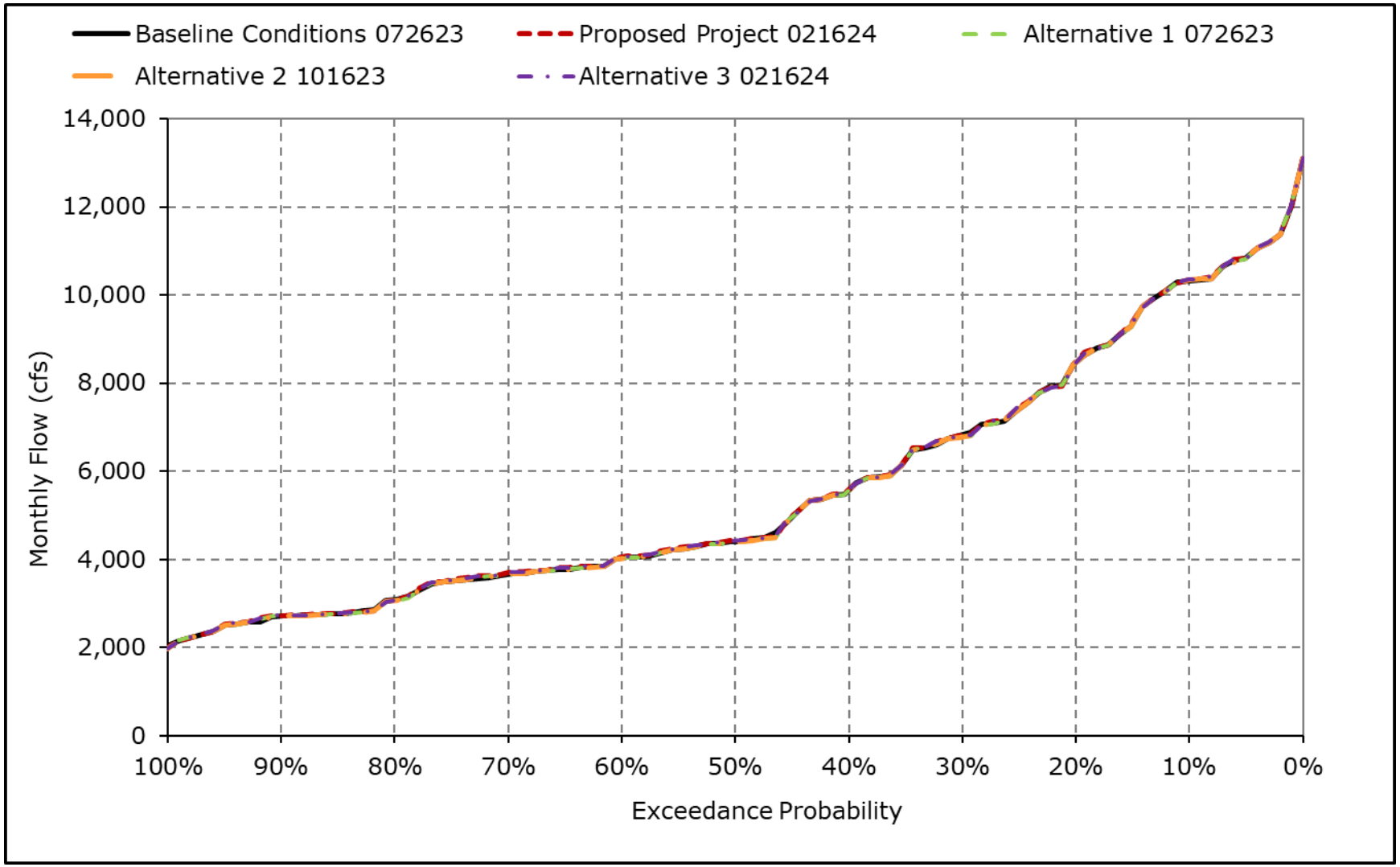
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



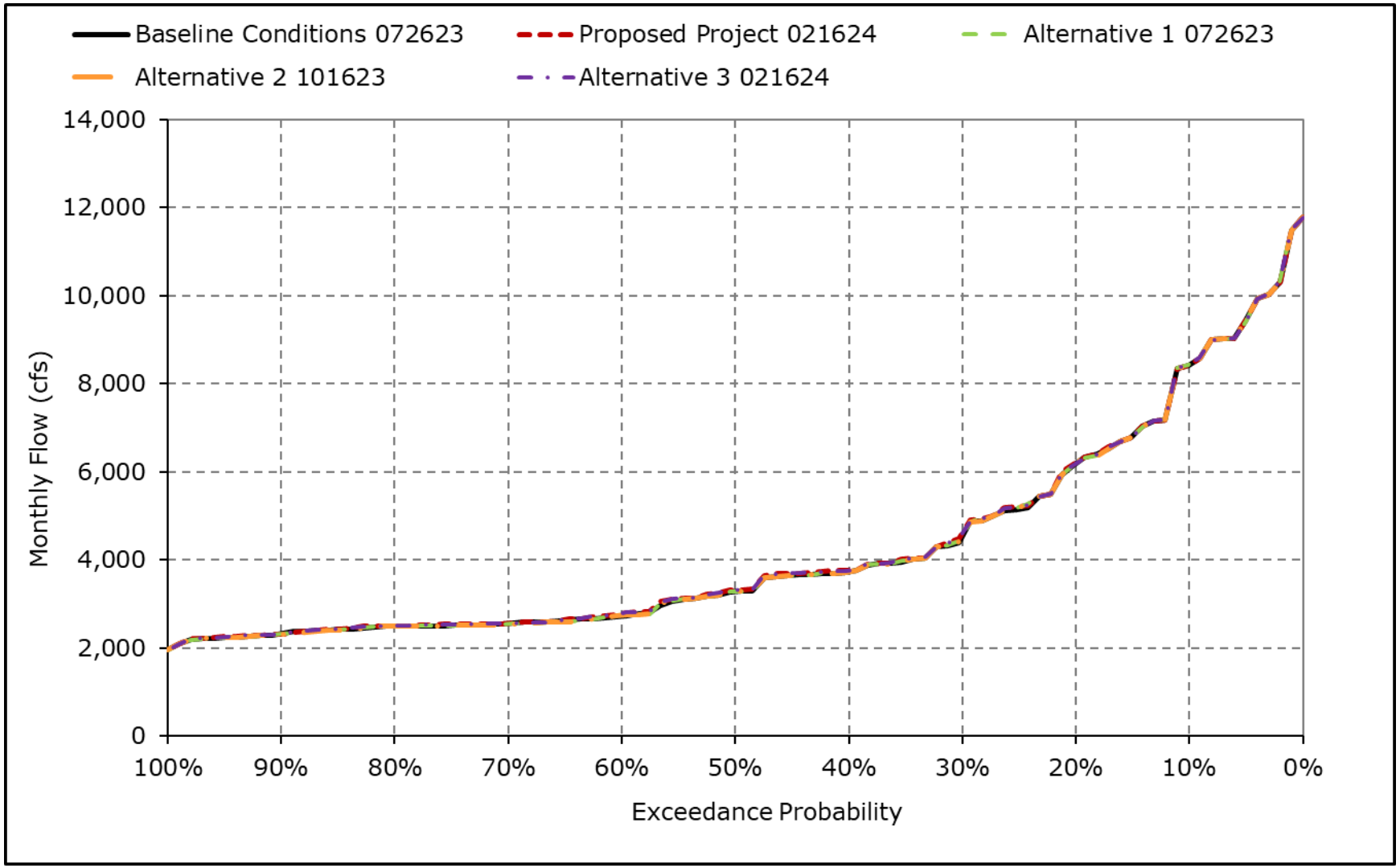
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



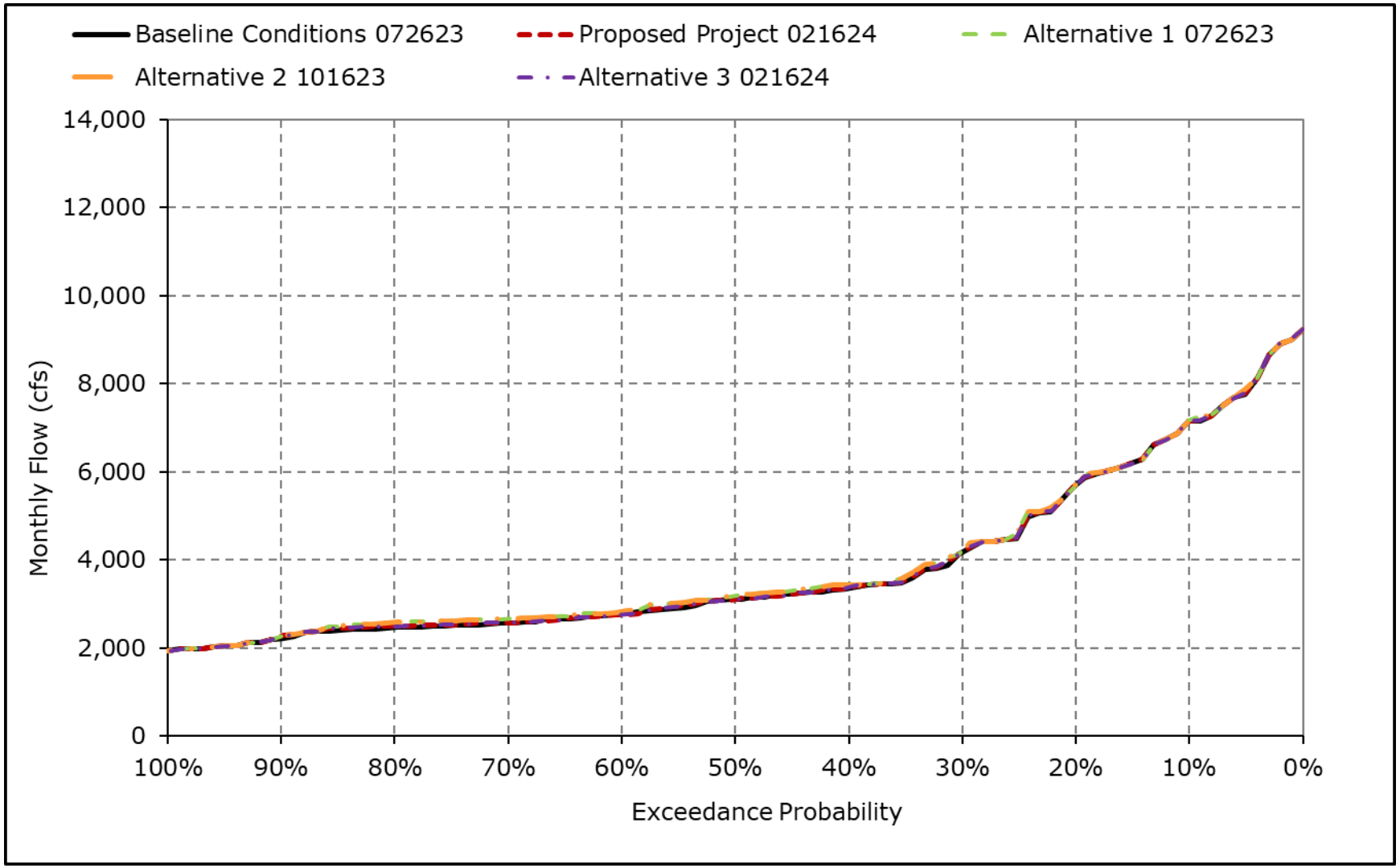
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



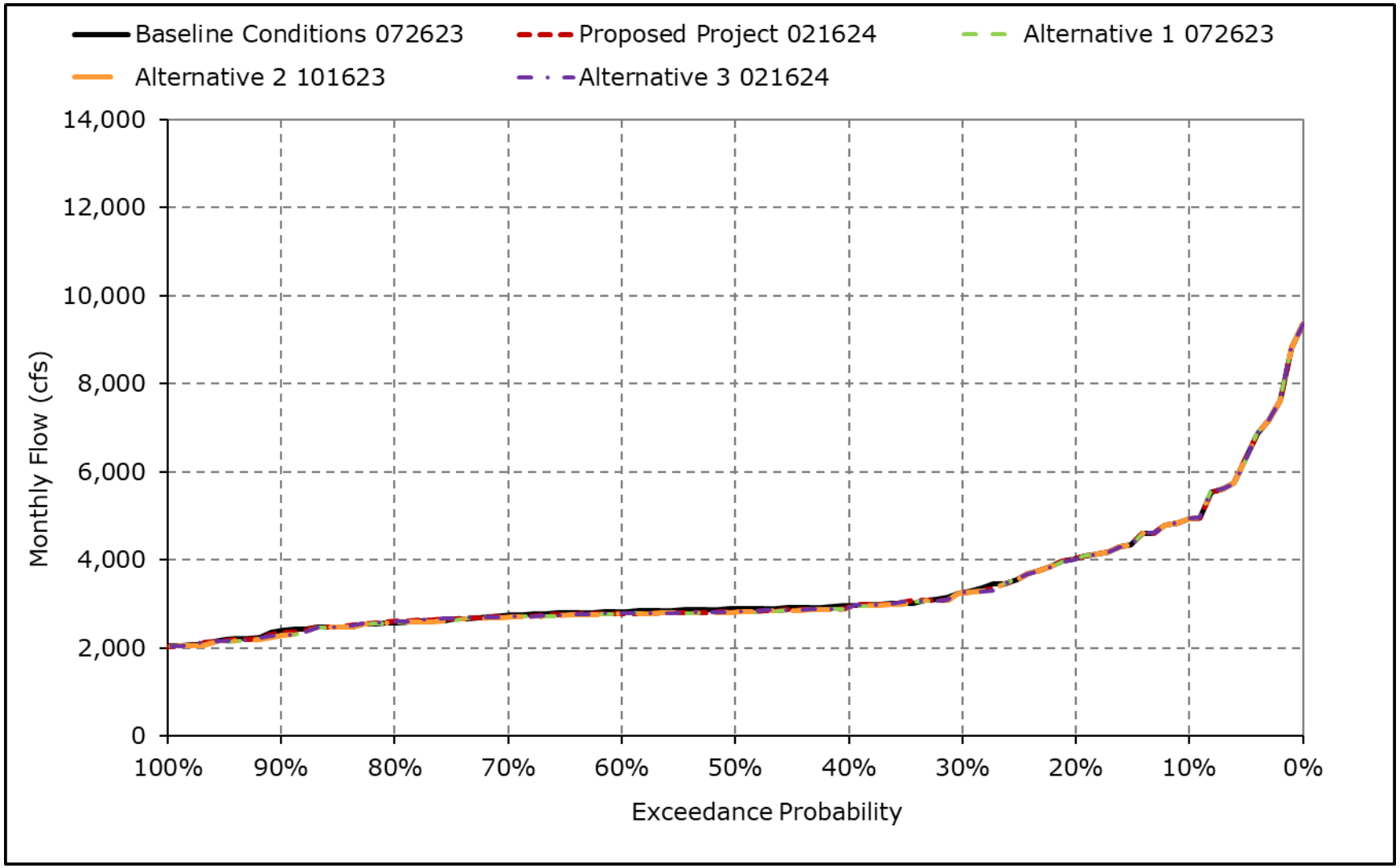
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



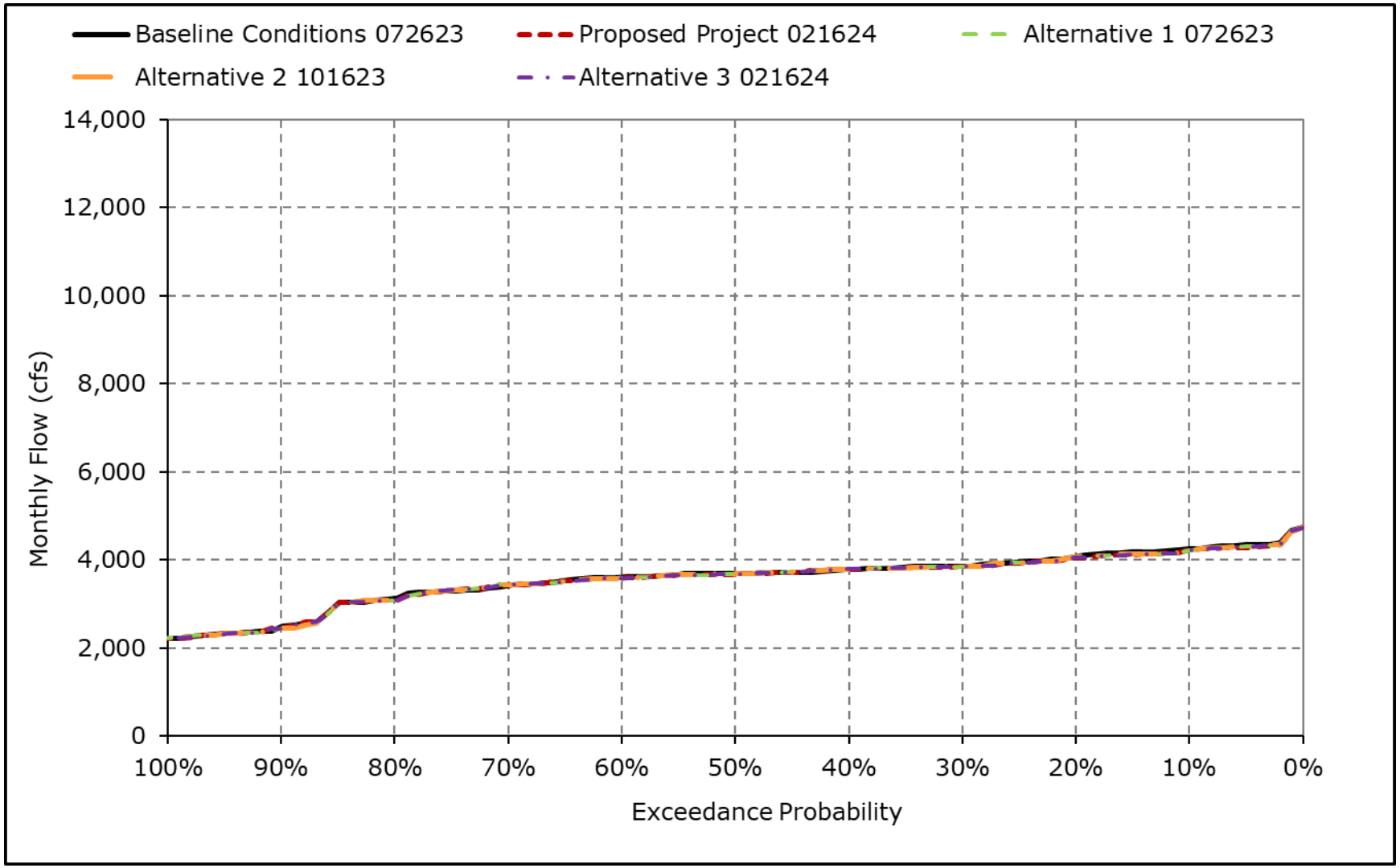
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



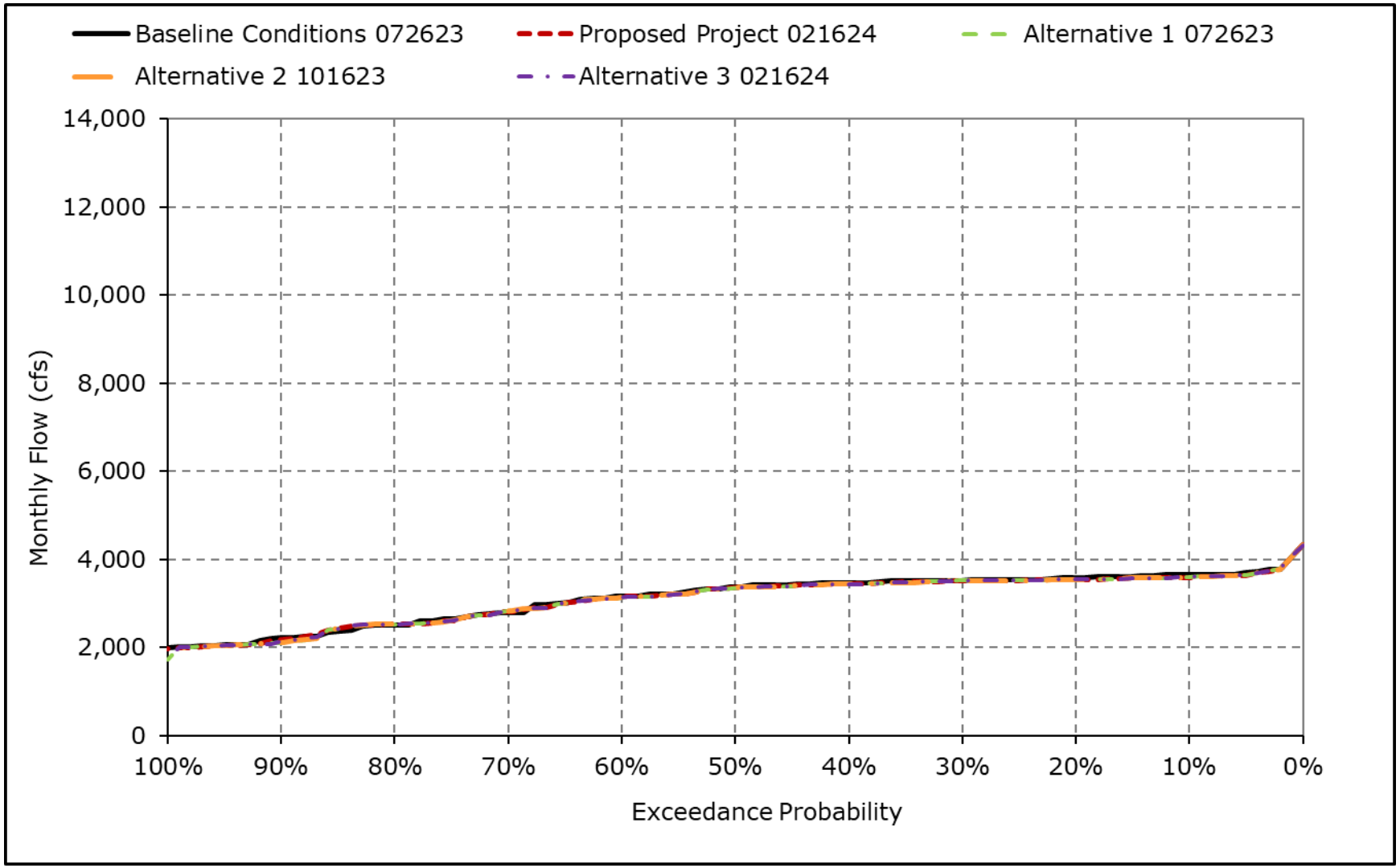
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



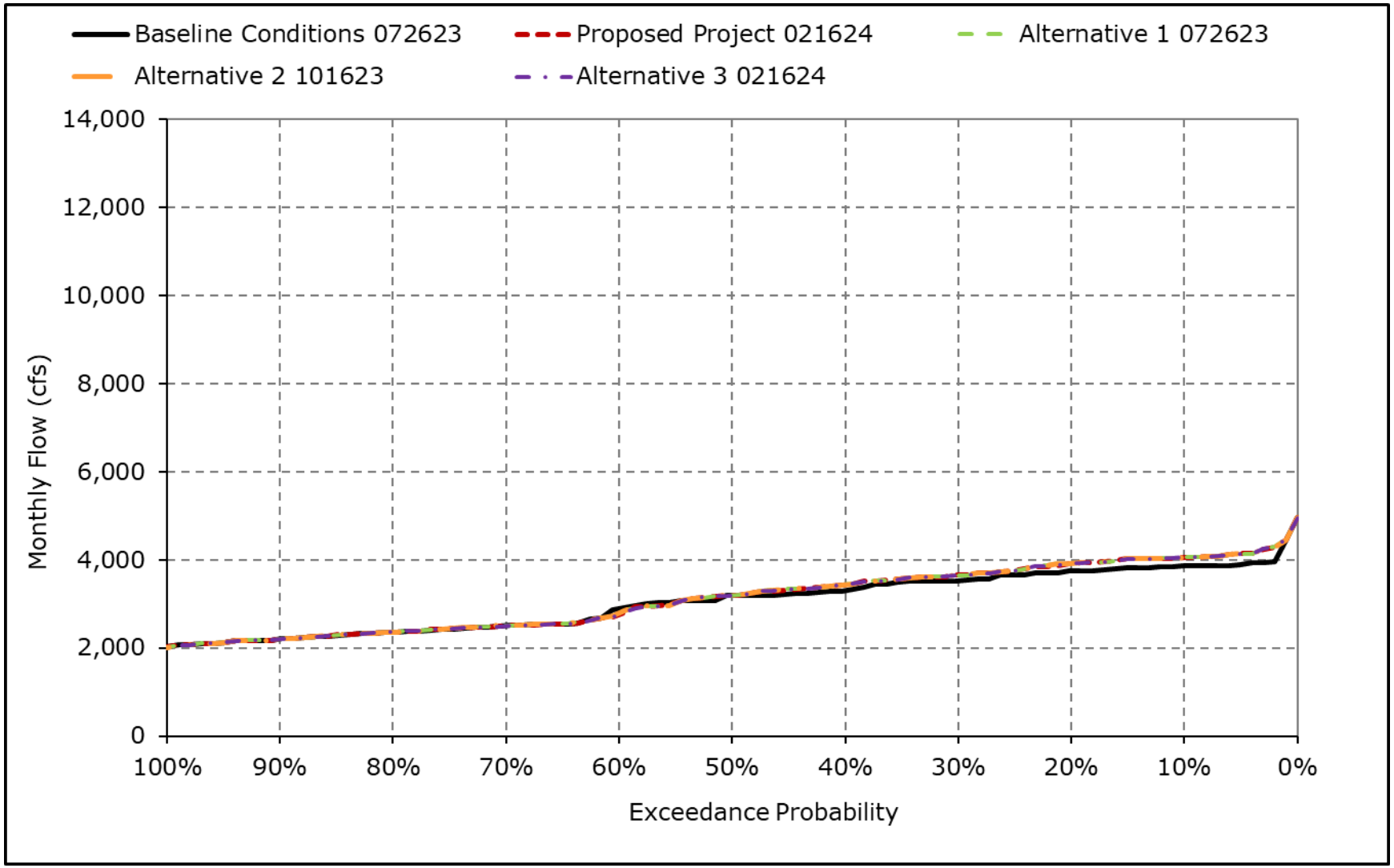
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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 072623, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	199	893	11,248	30,814	47,187	23,638	3,224	1,122	504	283	214	284
20% Exceedance	121	374	6,404	12,535	15,757	7,736	1,803	602	357	267	201	264
30% Exceedance	108	278	1,583	4,990	9,616	4,156	1,029	514	293	262	196	259
40% Exceedance	89	191	893	2,777	6,135	2,718	677	427	257	256	194	249
50% Exceedance	82	138	435	1,743	2,685	1,338	378	311	249	252	190	240
60% Exceedance	70	120	277	861	1,737	783	275	265	241	247	188	224
70% Exceedance	62	104	166	408	686	491	247	243	235	243	185	206
80% Exceedance	54	90	114	245	391	271	231	225	221	235	181	198
90% Exceedance	46	79	93	138	205	130	212	193	189	219	171	175
Full Simulation Period Average[a]	162	672	4,203	10,108	14,343	8,478	2,155	632	328	254	194	238
Wet Water Years (30%)	321	1,641	11,242	27,356	36,979	22,537	5,979	1,182	536	300	226	281
Above Normal Water Years (11%)	96	288	2,041	10,797	14,279	9,717	1,101	627	284	245	188	236
Below Normal Water Years (21%)	112	407	1,247	2,016	5,054	1,886	606	555	270	215	176	232
Dry Water Years (22%)	96	186	1,008	779	2,145	888	349	273	214	252	184	224
Critical Water Years (16%)	65	134	764	744	908	351	224	199	206	230	175	187

Table 4C-3-3-1b. Yolo Bypass Flow, Proposed Project 021624, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	200	893	11,270	30,828	47,409	23,527	3,224	1,113	504	283	224	284
20% Exceedance	121	372	6,385	12,332	15,755	7,637	1,804	602	357	267	204	266
30% Exceedance	108	272	1,583	5,004	9,541	4,158	1,029	514	293	262	198	260
40% Exceedance	89	192	879	2,774	6,277	2,712	677	427	257	256	195	250
50% Exceedance	82	138	453	1,752	2,685	1,339	378	311	249	253	191	242
60% Exceedance	71	120	278	861	1,721	784	275	264	242	247	189	226
70% Exceedance	63	104	162	409	686	488	247	243	235	244	186	214
80% Exceedance	55	90	114	238	393	271	231	225	221	235	181	201
90% Exceedance	46	79	93	138	205	130	212	193	183	222	173	179
Full Simulation Period Average[a]	164	669	4,207	10,114	14,309	8,461	2,146	631	328	255	210	241
Wet Water Years (30%)	325	1,629	11,252	27,365	36,958	22,520	5,950	1,181	535	300	227	281
Above Normal Water Years (11%)	99	290	2,049	10,820	14,216	9,627	1,102	627	284	248	188	236
Below Normal Water Years (21%)	112	405	1,248	2,019	4,971	1,880	605	552	270	216	181	233
Dry Water Years (22%)	96	187	1,008	776	2,129	886	349	273	212	252	184	232
Critical Water Years (16%)	66	136	765	745	907	351	223	199	206	230	265	190

Table 4C-3-3-1c. Yolo Bypass Flow, Proposed Project 021624 minus Baseline Conditions 072623, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	0	22	15	222	-110	0	-9	0	0	10	0
20% Exceedance	0	-2	-19	-203	-2	-99	1	0	0	0	4	2
30% Exceedance	0	-6	0	14	-75	2	0	1	0	0	2	1
40% Exceedance	0	1	-15	-4	142	-6	0	0	0	1	1	2
50% Exceedance	0	-1	17	9	-1	0	0	0	0	1	1	1
60% Exceedance	0	0	0	0	-16	1	1	0	1	0	1	2
70% Exceedance	0	0	-4	1	0	-3	0	0	0	1	1	9
80% Exceedance	1	0	0	-7	1	0	0	0	0	0	0	3
90% Exceedance	0	0	0	0	0	1	0	0	-6	4	2	4
Full Simulation Period Average[a]	2	-3	4	5	-34	-17	-9	-1	0	1	16	2
Wet Water Years (30%)	5	-12	10	9	-21	-17	-29	-2	-1	0	1	0
Above Normal Water Years (11%)	3	2	8	23	-63	-90	1	0	0	2	0	0
Below Normal Water Years (21%)	1	-2	1	3	-83	-5	-1	-2	0	1	5	1
Dry Water Years (22%)	0	1	0	-3	-16	-2	0	0	-1	0	0	7
Critical Water Years (16%)	1	2	1	1	0	0	0	0	0	0	90	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-3-3-2a. Yolo Bypass Flow, Baseline Conditions 072623, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	199	893	11,248	30,814	47,187	23,638	3,224	1,122	504	283	214	284
20% Exceedance	121	374	6,404	12,535	15,757	7,736	1,803	602	357	267	201	264
30% Exceedance	108	278	1,583	4,990	9,616	4,156	1,029	514	293	262	196	259
40% Exceedance	89	191	893	2,777	6,135	2,718	677	427	257	256	194	249
50% Exceedance	82	138	435	1,743	2,685	1,338	378	311	249	252	190	240
60% Exceedance	70	120	277	861	1,737	783	275	265	241	247	188	224
70% Exceedance	62	104	166	408	686	491	247	243	235	243	185	206
80% Exceedance	54	90	114	245	391	271	231	225	221	235	181	198
90% Exceedance	46	79	93	138	205	130	212	193	189	219	171	175
Full Simulation Period Average[a]	162	672	4,203	10,108	14,343	8,478	2,155	632	328	254	194	238
Wet Water Years (30%)	321	1,641	11,242	27,356	36,979	22,537	5,979	1,182	536	300	226	281
Above Normal Water Years (11%)	96	288	2,041	10,797	14,279	9,717	1,101	627	284	245	188	236
Below Normal Water Years (21%)	112	407	1,247	2,016	5,054	1,886	606	555	270	215	176	232
Dry Water Years (22%)	96	186	1,008	779	2,145	888	349	273	214	252	184	224
Critical Water Years (16%)	65	134	764	744	908	351	224	199	206	230	175	187

Table 4C-3-3-2b. Yolo Bypass Flow, Alternative 1 072623, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	200	893	11,252	30,833	47,415	23,529	3,224	1,114	504	283	223	284
20% Exceedance	121	372	6,384	12,334	15,756	7,637	1,806	602	358	267	204	268
30% Exceedance	108	272	1,584	5,005	9,586	4,158	1,029	515	293	262	198	260
40% Exceedance	89	192	879	2,773	6,268	2,714	677	427	257	256	195	253
50% Exceedance	82	138	452	1,755	2,683	1,339	378	311	250	252	191	243
60% Exceedance	71	120	278	862	1,737	784	275	265	242	247	189	226
70% Exceedance	63	104	162	409	686	488	247	243	235	244	186	214
80% Exceedance	55	91	114	238	393	271	231	225	222	235	181	201
90% Exceedance	46	79	94	137	208	130	208	193	198	219	173	179
Full Simulation Period Average[a]	167	668	4,210	10,115	14,318	8,472	2,135	631	329	255	218	241
Wet Water Years (30%)	325	1,626	11,260	27,368	36,979	22,520	5,914	1,179	535	300	227	281
Above Normal Water Years (11%)	126	291	2,054	10,826	14,196	9,720	1,103	627	284	245	188	236
Below Normal Water Years (21%)	112	405	1,249	2,018	4,988	1,881	605	553	270	215	182	234
Dry Water Years (22%)	96	187	1,008	776	2,136	887	348	273	216	253	184	233
Critical Water Years (16%)	67	136	765	745	909	351	223	199	206	230	318	192

Table 4C-3-3-2c. Yolo Bypass Flow, Alternative 1 072623 minus Baseline Conditions 072623, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	1	4	20	228	-109	0	-9	0	0	9	0
20% Exceedance	0	-2	-20	-201	-1	-99	3	0	0	0	4	4
30% Exceedance	1	-6	1	15	-29	2	0	1	0	0	2	2
40% Exceedance	-1	1	-14	-5	133	-4	0	0	0	0	1	4
50% Exceedance	0	-1	17	12	-2	0	0	0	0	1	1	3
60% Exceedance	0	0	0	1	0	1	0	0	1	0	1	2
70% Exceedance	0	0	-4	1	-1	-3	0	0	0	1	1	9
80% Exceedance	1	0	0	-7	1	1	0	0	1	0	0	3
90% Exceedance	0	0	1	-1	4	1	-4	0	9	0	2	4
Full Simulation Period Average[a]	5	-4	7	7	-25	-6	-20	-1	1	0	24	3
Wet Water Years (30%)	4	-15	17	12	0	-17	-65	-3	-1	0	0	0
Above Normal Water Years (11%)	31	3	12	29	-83	3	2	0	1	0	0	0
Below Normal Water Years (21%)	1	-2	2	3	-66	-5	-1	-2	0	0	6	2
Dry Water Years (22%)	0	1	0	-3	-10	-1	-1	0	3	1	0	8
Critical Water Years (16%)	1	2	2	1	2	0	0	0	0	0	143	5

[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 072623, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	199	893	11,248	30,814	47,187	23,638	3,224	1,122	504	283	214	284
20% Exceedance	121	374	6,404	12,535	15,757	7,736	1,803	602	357	267	201	264
30% Exceedance	108	278	1,583	4,990	9,616	4,156	1,029	514	293	262	196	259
40% Exceedance	89	191	893	2,777	6,135	2,718	677	427	257	256	194	249
50% Exceedance	82	138	435	1,743	2,685	1,338	378	311	249	252	190	240
60% Exceedance	70	120	277	861	1,737	783	275	265	241	247	188	224
70% Exceedance	62	104	166	408	686	491	247	243	235	243	185	206
80% Exceedance	54	90	114	245	391	271	231	225	221	235	181	198
90% Exceedance	46	79	93	138	205	130	212	193	189	219	171	175
Full Simulation Period Average[a]	162	672	4,203	10,108	14,343	8,478	2,155	632	328	254	194	238
Wet Water Years (30%)	321	1,641	11,242	27,356	36,979	22,537	5,979	1,182	536	300	226	281
Above Normal Water Years (11%)	96	288	2,041	10,797	14,279	9,717	1,101	627	284	245	188	236
Below Normal Water Years (21%)	112	407	1,247	2,016	5,054	1,886	606	555	270	215	176	232
Dry Water Years (22%)	96	186	1,008	779	2,145	888	349	273	214	252	184	224
Critical Water Years (16%)	65	134	764	744	908	351	224	199	206	230	175	187

Table 4C-3-3-3b. Yolo Bypass Flow, Alternative 2 101623, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	200	894	11,252	30,834	47,415	23,521	3,225	1,114	504	283	224	284
20% Exceedance	121	372	6,384	12,334	15,756	7,637	1,807	602	358	267	204	268
30% Exceedance	108	272	1,583	5,005	9,539	4,158	1,029	515	293	262	198	260
40% Exceedance	89	192	879	2,775	6,268	2,714	677	427	257	256	195	253
50% Exceedance	82	138	453	1,753	2,685	1,339	378	311	250	252	191	243
60% Exceedance	71	120	278	862	1,721	784	275	265	242	247	189	226
70% Exceedance	63	104	162	409	686	488	247	243	235	244	186	214
80% Exceedance	55	90	114	239	393	271	231	225	222	235	181	201
90% Exceedance	46	79	94	138	208	130	208	193	198	219	173	179
Full Simulation Period Average[a]	166	668	4,209	10,115	14,317	8,470	2,138	631	329	255	216	241
Wet Water Years (30%)	325	1,626	11,256	27,368	36,971	22,520	5,924	1,180	535	300	227	281
Above Normal Water Years (11%)	120	291	2,053	10,825	14,217	9,698	1,103	627	284	245	188	236
Below Normal Water Years (21%)	112	405	1,249	2,018	4,987	1,881	605	552	270	215	182	234
Dry Water Years (22%)	96	187	1,008	776	2,135	890	348	273	216	253	184	233
Critical Water Years (16%)	67	136	765	745	909	351	223	199	206	230	302	192

Table 4C-3-3-3c. Yolo Bypass Flow, Alternative 2 101623 minus Baseline Conditions 072623, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	2	5	20	228	-117	1	-8	0	0	9	0
20% Exceedance	0	-2	-19	-201	-1	-99	4	0	1	0	4	4
30% Exceedance	0	-6	0	15	-76	2	0	1	0	0	2	2
40% Exceedance	-1	1	-14	-3	133	-4	0	0	0	0	1	4
50% Exceedance	0	0	18	9	0	0	0	0	0	1	1	3
60% Exceedance	0	0	0	1	-16	1	0	0	1	0	1	2
70% Exceedance	0	0	-4	1	-1	-3	0	0	0	1	1	9
80% Exceedance	1	0	0	-7	1	1	0	0	1	0	0	3
90% Exceedance	0	0	1	-1	4	1	-4	0	9	0	2	4
Full Simulation Period Average[a]	4	-4	6	7	-26	-8	-17	-1	1	0	22	3
Wet Water Years (30%)	4	-15	13	12	-8	-17	-55	-3	-1	0	1	0
Above Normal Water Years (11%)	24	3	11	28	-63	-19	2	0	1	0	0	0
Below Normal Water Years (21%)	1	-2	2	3	-67	-5	-1	-2	0	0	6	2
Dry Water Years (22%)	0	1	0	-3	-11	3	-1	0	3	1	0	8
Critical Water Years (16%)	1	2	1	1	1	0	0	0	0	0	126	5

[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 072623, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	199	893	11,248	30,814	47,187	23,638	3,224	1,122	504	283	214	284
20% Exceedance	121	374	6,404	12,535	15,757	7,736	1,803	602	357	267	201	264
30% Exceedance	108	278	1,583	4,990	9,616	4,156	1,029	514	293	262	196	259
40% Exceedance	89	191	893	2,777	6,135	2,718	677	427	257	256	194	249
50% Exceedance	82	138	435	1,743	2,685	1,338	378	311	249	252	190	240
60% Exceedance	70	120	277	861	1,737	783	275	265	241	247	188	224
70% Exceedance	62	104	166	408	686	491	247	243	235	243	185	206
80% Exceedance	54	90	114	245	391	271	231	225	221	235	181	198
90% Exceedance	46	79	93	138	205	130	212	193	189	219	171	175
Full Simulation Period Average[a]	162	672	4,203	10,108	14,343	8,478	2,155	632	328	254	194	238
Wet Water Years (30%)	321	1,641	11,242	27,356	36,979	22,537	5,979	1,182	536	300	226	281
Above Normal Water Years (11%)	96	288	2,041	10,797	14,279	9,717	1,101	627	284	245	188	236
Below Normal Water Years (21%)	112	407	1,247	2,016	5,054	1,886	606	555	270	215	176	232
Dry Water Years (22%)	96	186	1,008	779	2,145	888	349	273	214	252	184	224
Critical Water Years (16%)	65	134	764	744	908	351	224	199	206	230	175	187

Table 4C-3-3-4b. Yolo Bypass Flow, Alternative 3 021624, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	200	892	11,269	30,828	47,410	23,529	3,224	1,113	504	283	223	284
20% Exceedance	121	372	6,385	12,332	15,755	7,637	1,803	602	357	267	204	268
30% Exceedance	108	272	1,584	5,004	9,586	4,158	1,029	515	293	262	198	260
40% Exceedance	89	192	878	2,774	6,277	2,712	677	427	257	256	195	252
50% Exceedance	82	138	453	1,755	2,685	1,339	378	311	249	253	191	242
60% Exceedance	71	120	278	861	1,737	784	275	264	242	247	189	226
70% Exceedance	63	104	162	409	686	488	247	243	235	245	186	214
80% Exceedance	55	90	114	238	393	271	231	225	221	235	181	201
90% Exceedance	46	79	93	138	208	130	212	193	183	228	173	179
Full Simulation Period Average[a]	167	669	4,207	10,114	14,313	8,463	2,135	631	328	255	218	241
Wet Water Years (30%)	325	1,629	11,252	27,364	36,965	22,520	5,913	1,179	534	300	226	281
Above Normal Water Years (11%)	130	291	2,050	10,826	14,217	9,650	1,102	627	284	248	188	236
Below Normal Water Years (21%)	112	405	1,248	2,019	4,973	1,881	605	552	270	216	181	233
Dry Water Years (22%)	96	187	1,008	776	2,136	885	349	273	212	253	184	232
Critical Water Years (16%)	66	136	765	745	909	351	223	199	206	230	318	192

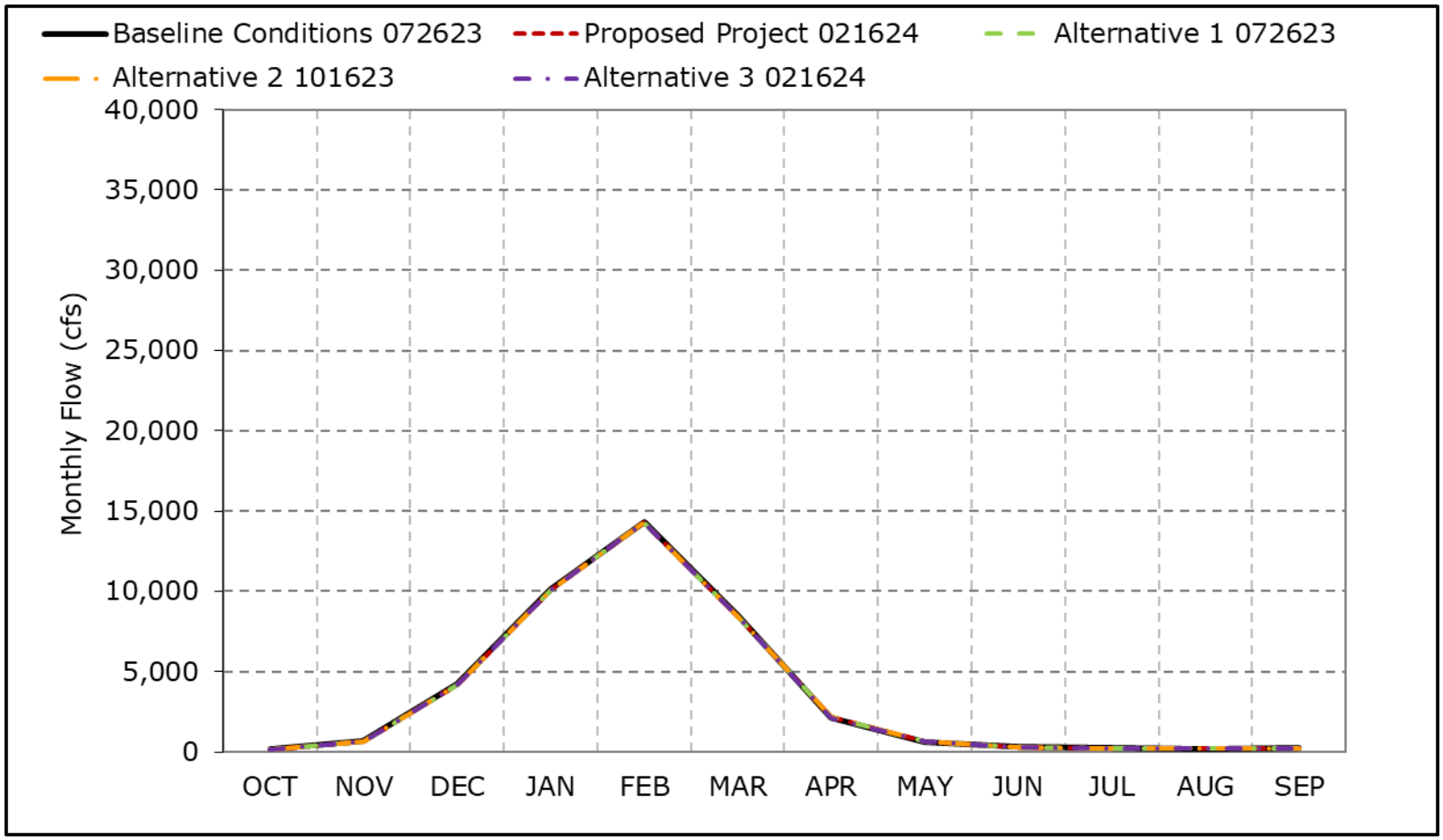
Table 4C-3-3-4c. Yolo Bypass Flow, Alternative 3 021624 minus Baseline Conditions 072623, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	-1	21	15	223	-109	0	-9	0	0	9	0
20% Exceedance	0	-2	-19	-203	-2	-99	0	0	0	0	4	4
30% Exceedance	0	-6	1	14	-30	2	0	1	0	0	2	1
40% Exceedance	0	1	-15	-4	142	-6	0	0	0	1	1	3
50% Exceedance	0	0	17	12	-1	0	0	0	0	1	1	2
60% Exceedance	0	0	0	0	0	1	1	0	1	0	1	2
70% Exceedance	0	0	-4	1	-1	-3	0	0	0	2	1	9
80% Exceedance	1	0	0	-7	1	0	0	0	0	0	0	3
90% Exceedance	0	0	0	-1	4	1	0	0	-6	9	2	4
Full Simulation Period Average[a]	5	-3	4	6	-30	-14	-20	-1	0	1	24	3
Wet Water Years (30%)	4	-12	10	8	-14	-17	-66	-3	-1	0	0	0
Above Normal Water Years (11%)	34	2	9	29	-62	-67	1	0	1	2	0	0
Below Normal Water Years (21%)	1	-2	1	3	-81	-5	-1	-2	0	1	5	1
Dry Water Years (22%)	0	1	0	-3	-10	-2	0	0	-1	1	0	7
Critical Water Years (16%)	1	2	1	1	2	0	0	0	0	0	143	5

[a] Based on the 100-year simulation period.

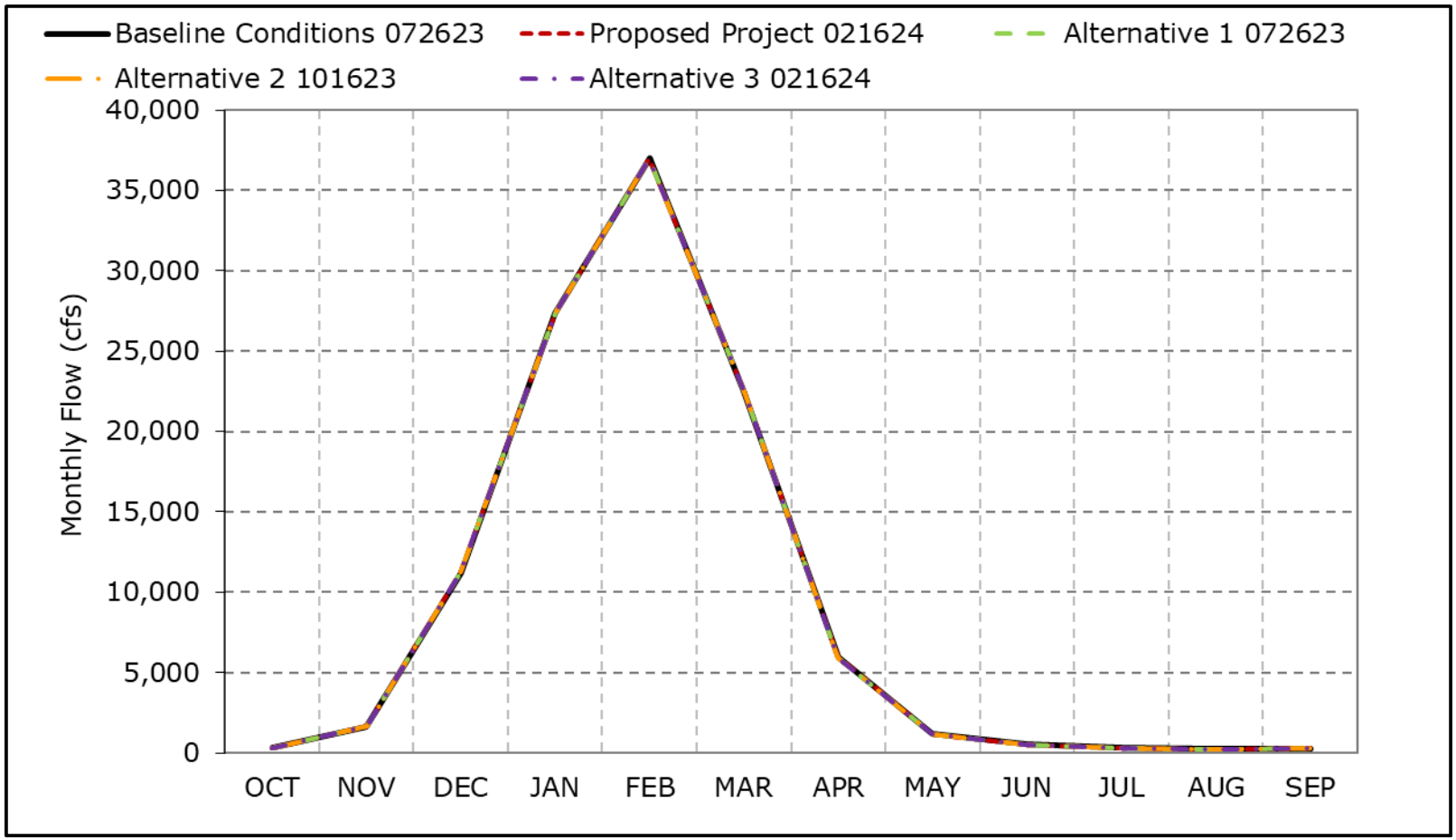
* All scenarios are simulated at current climate condition and 0 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with water year - year type sorting.

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



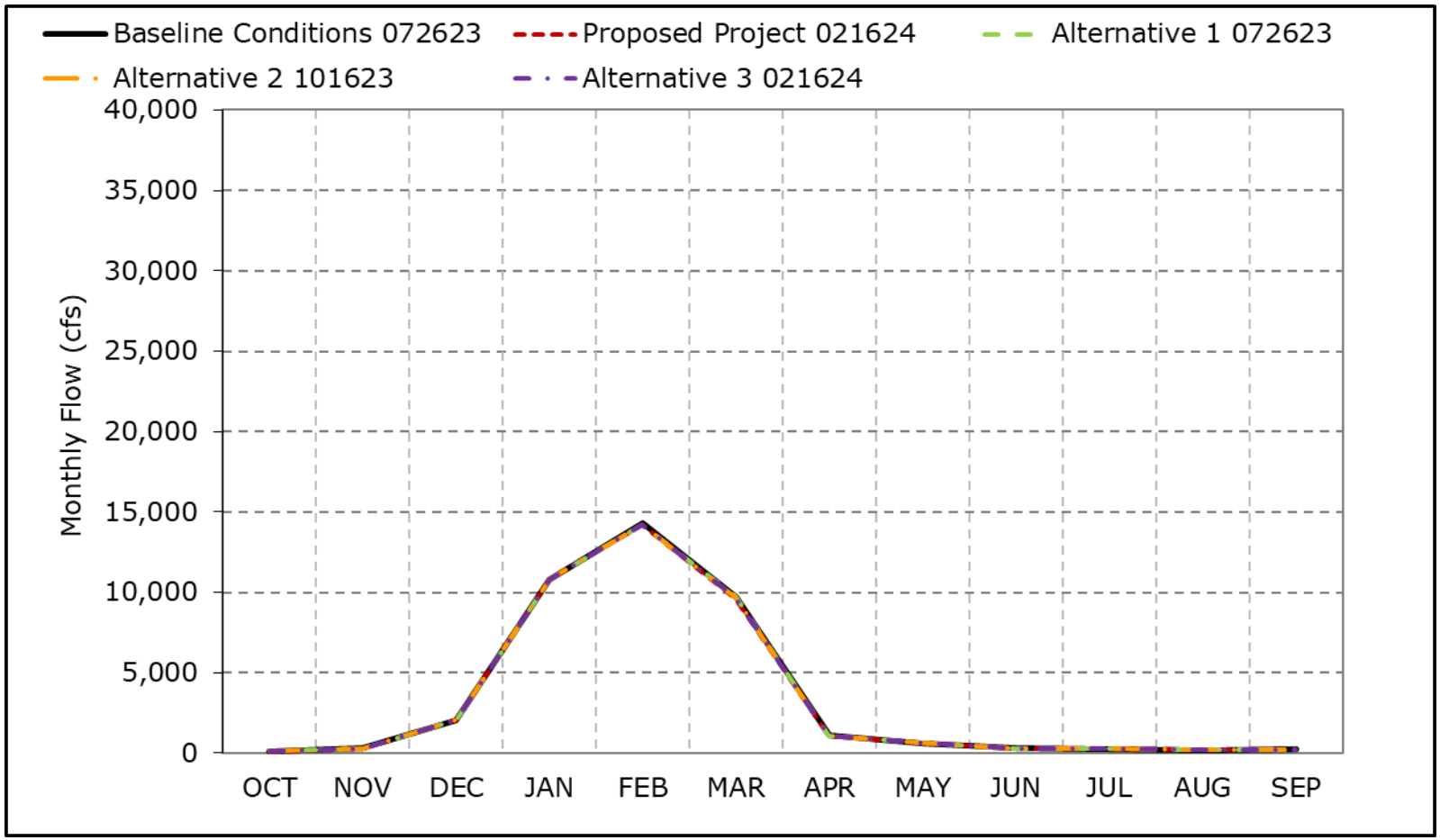
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



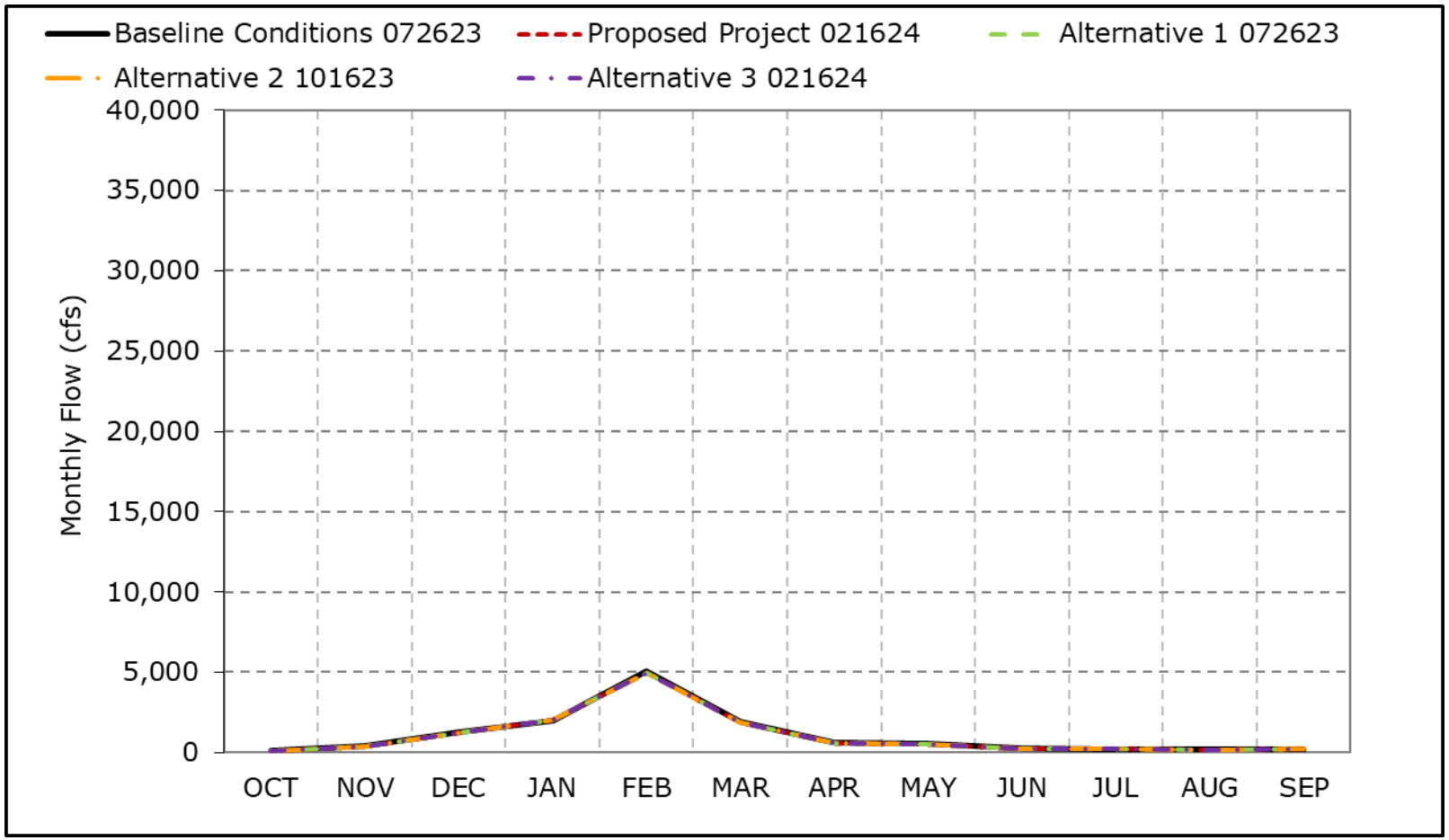
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



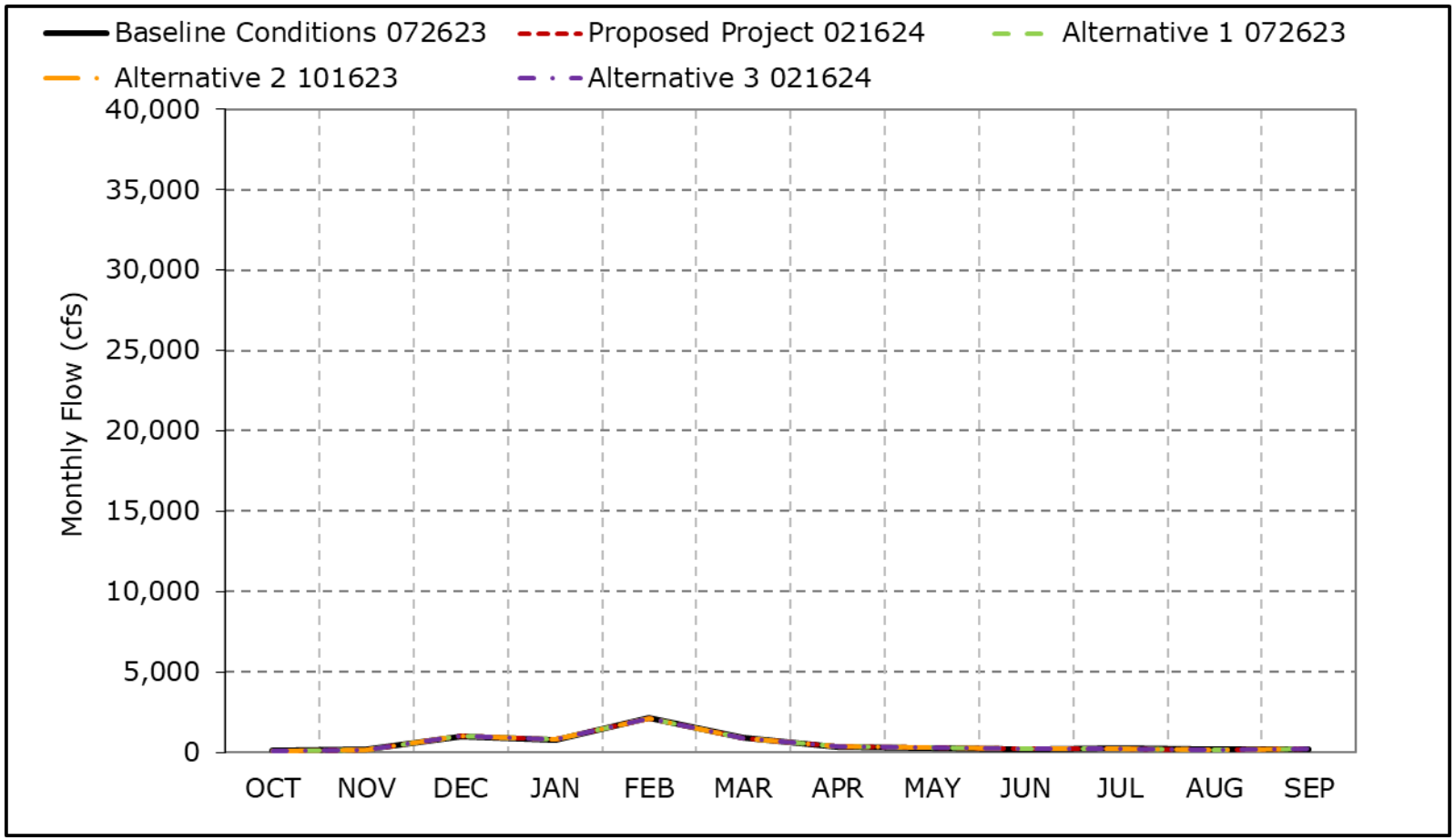
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



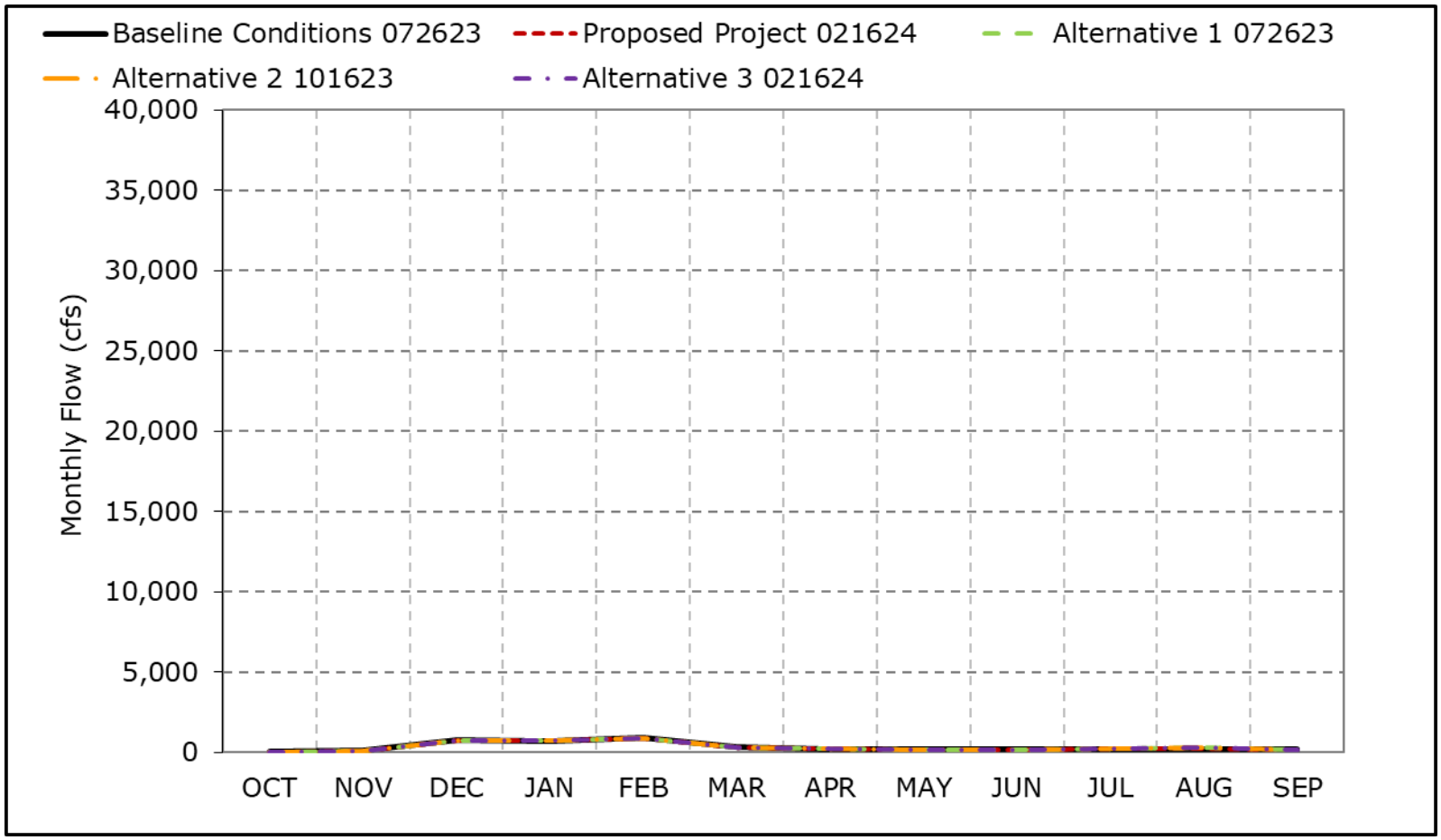
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



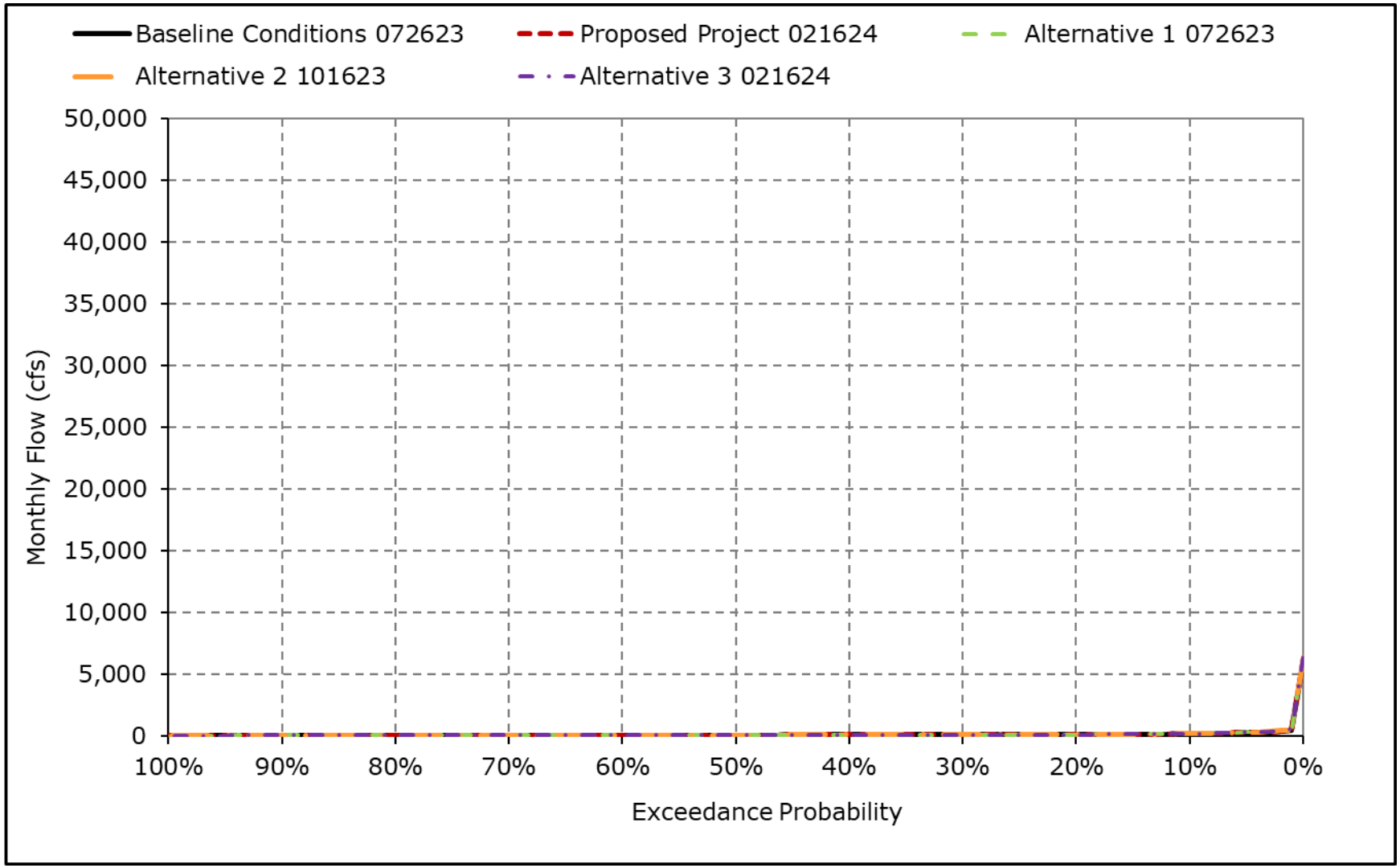
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



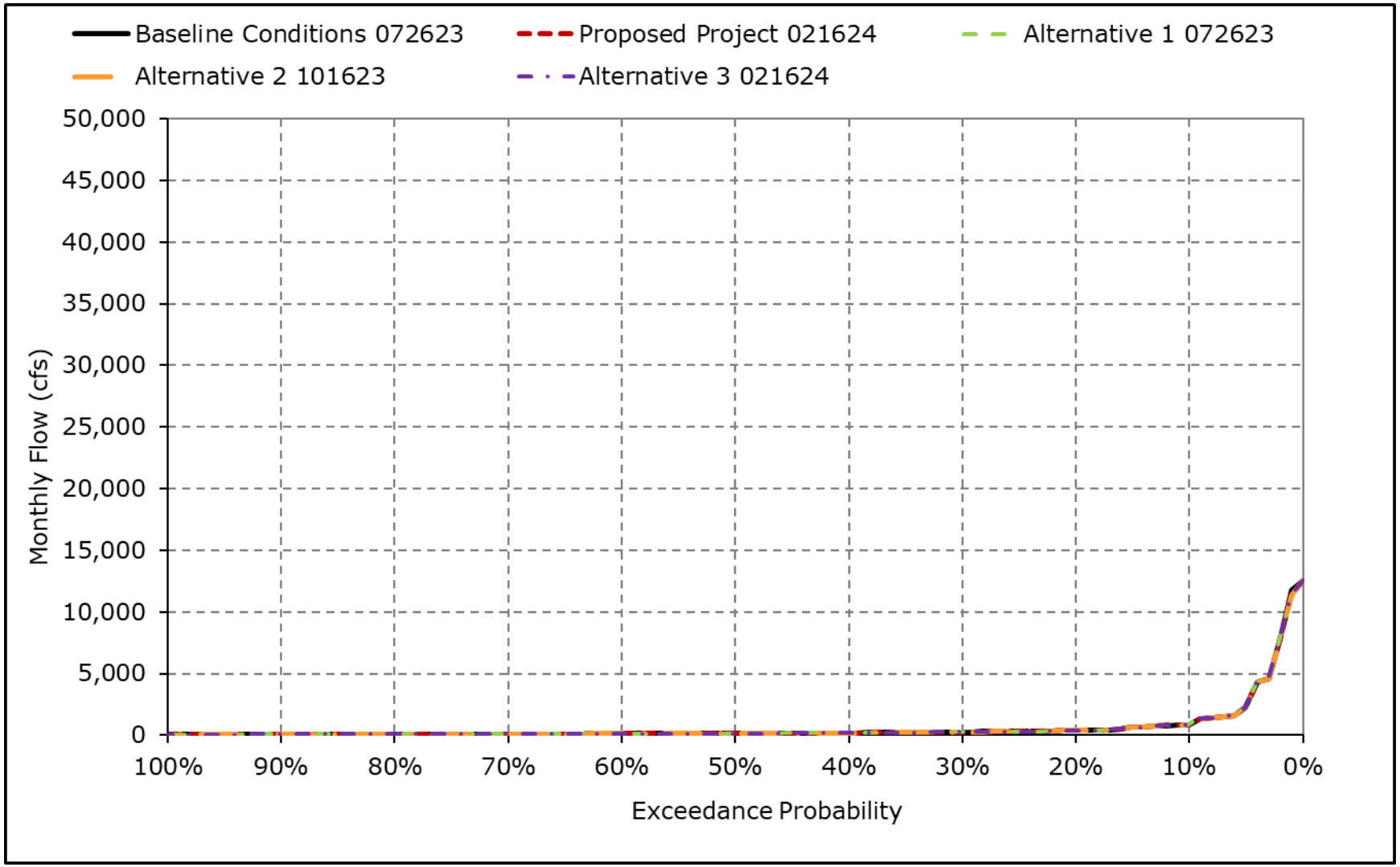
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



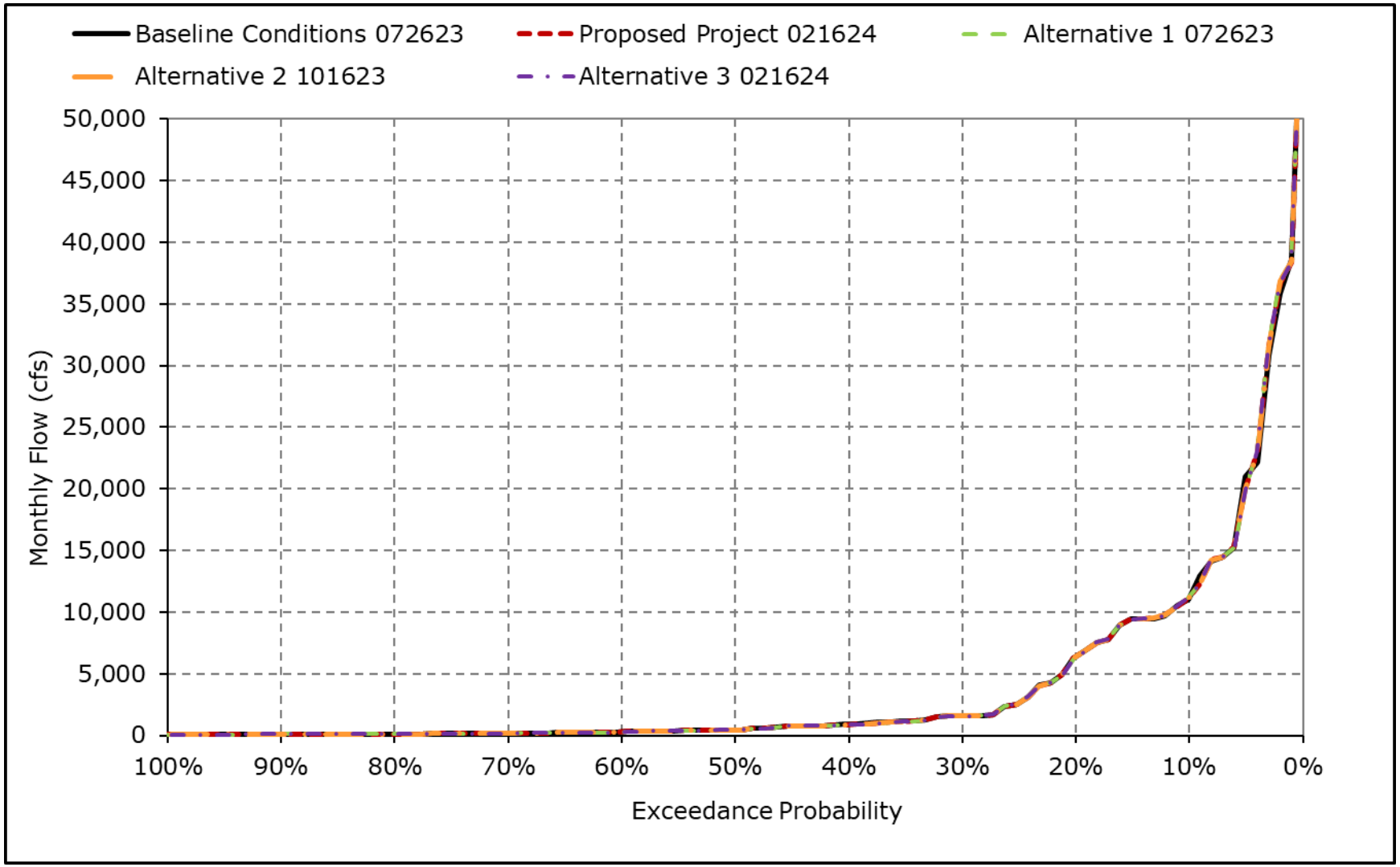
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



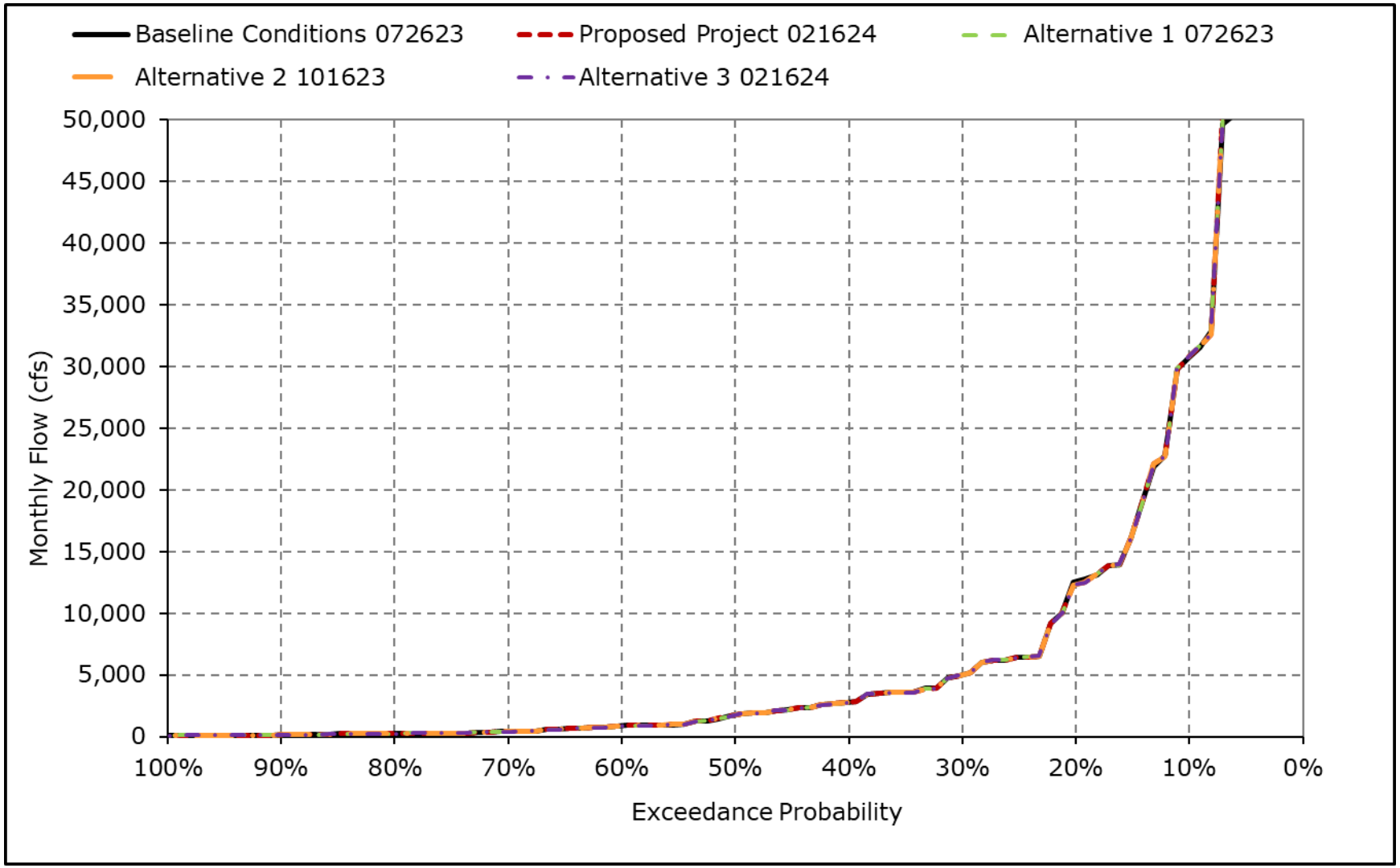
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



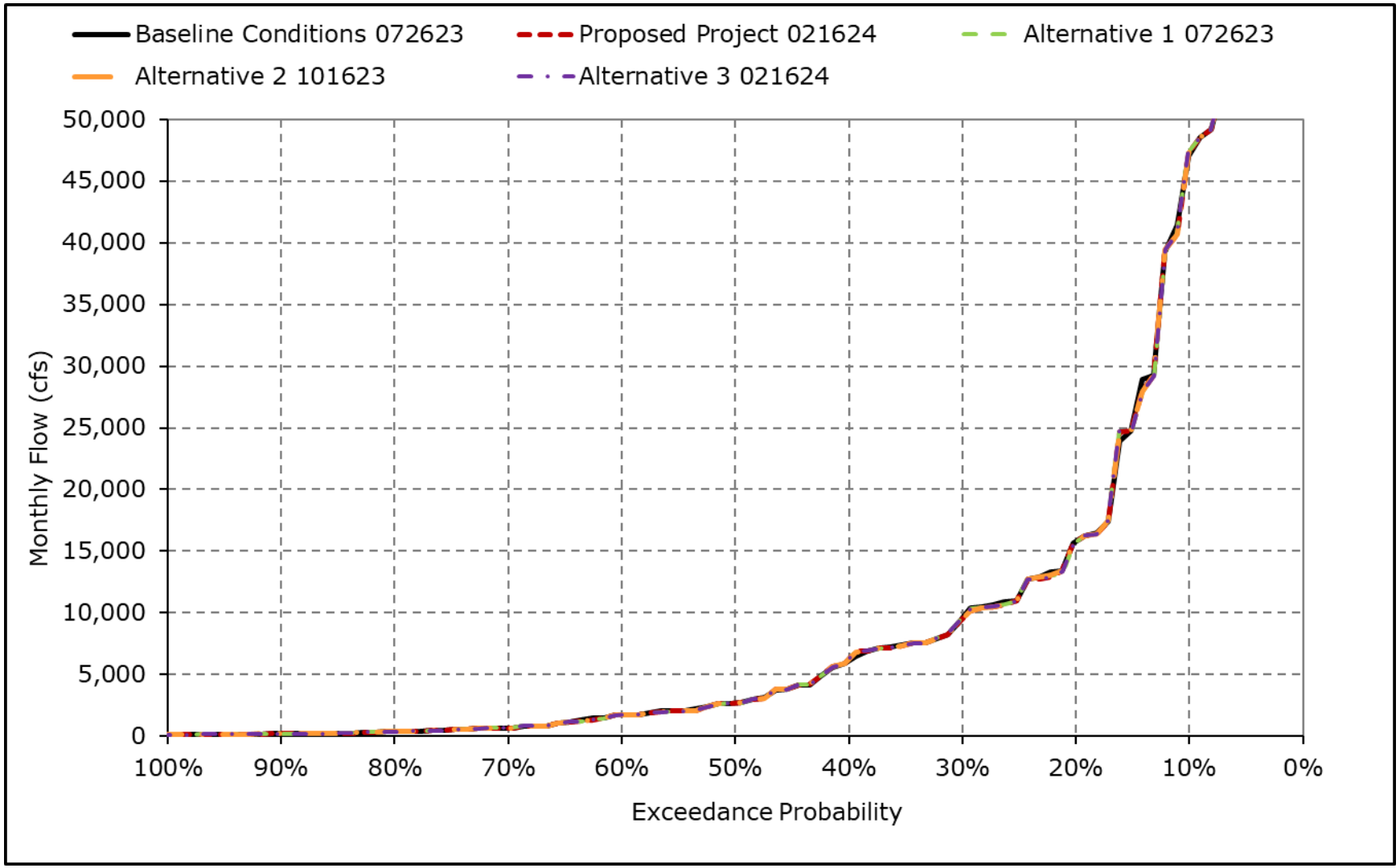
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



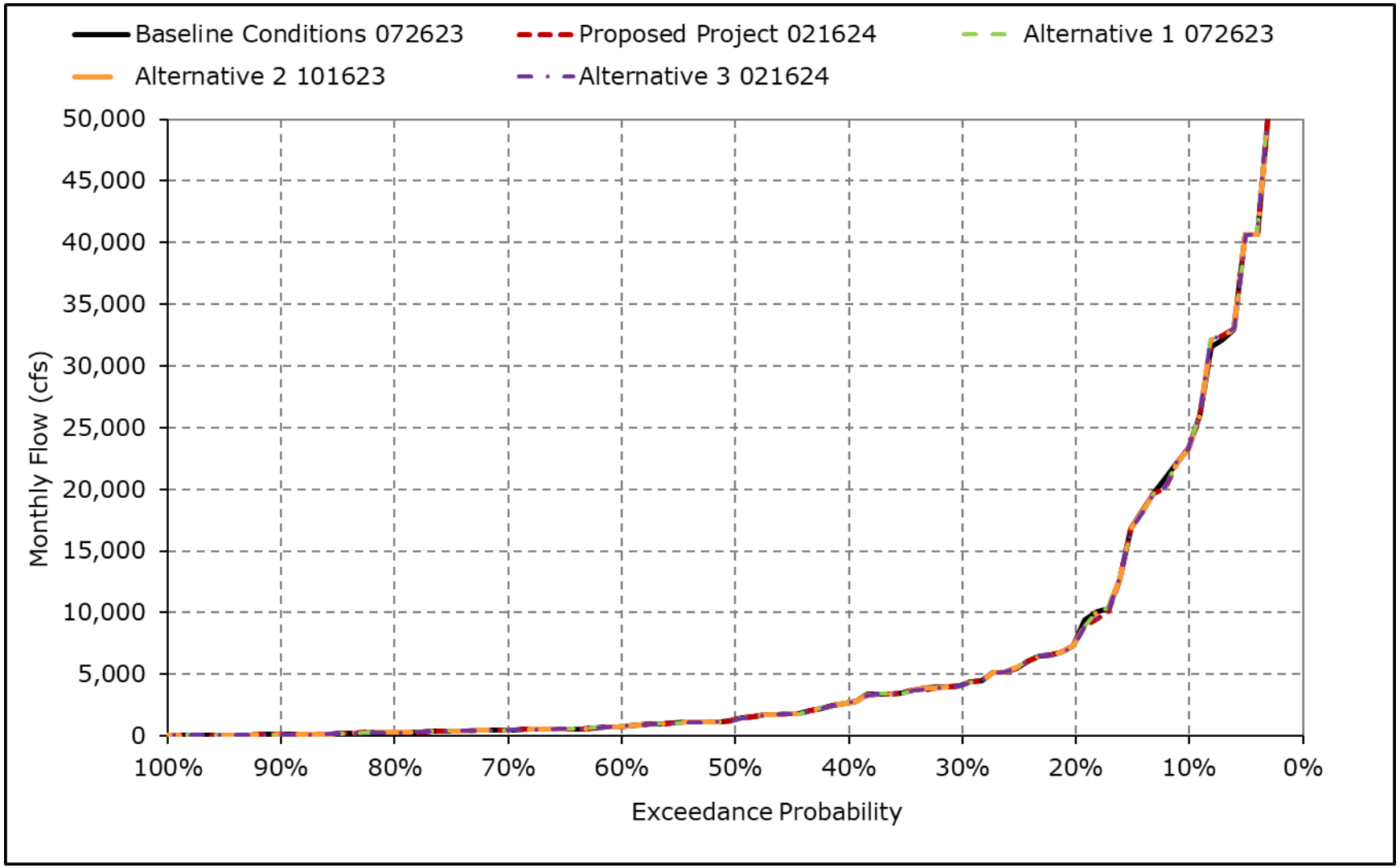
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



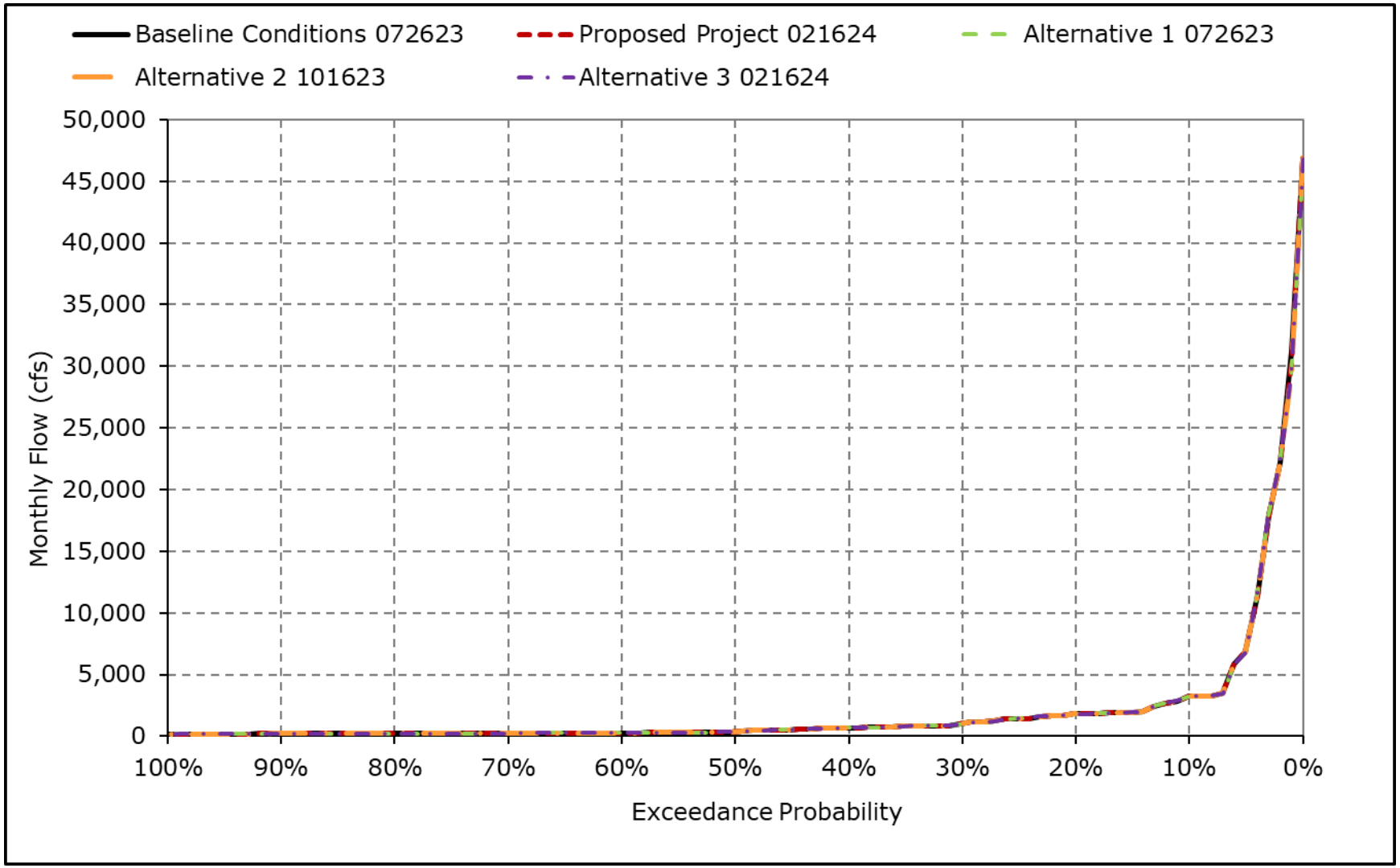
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



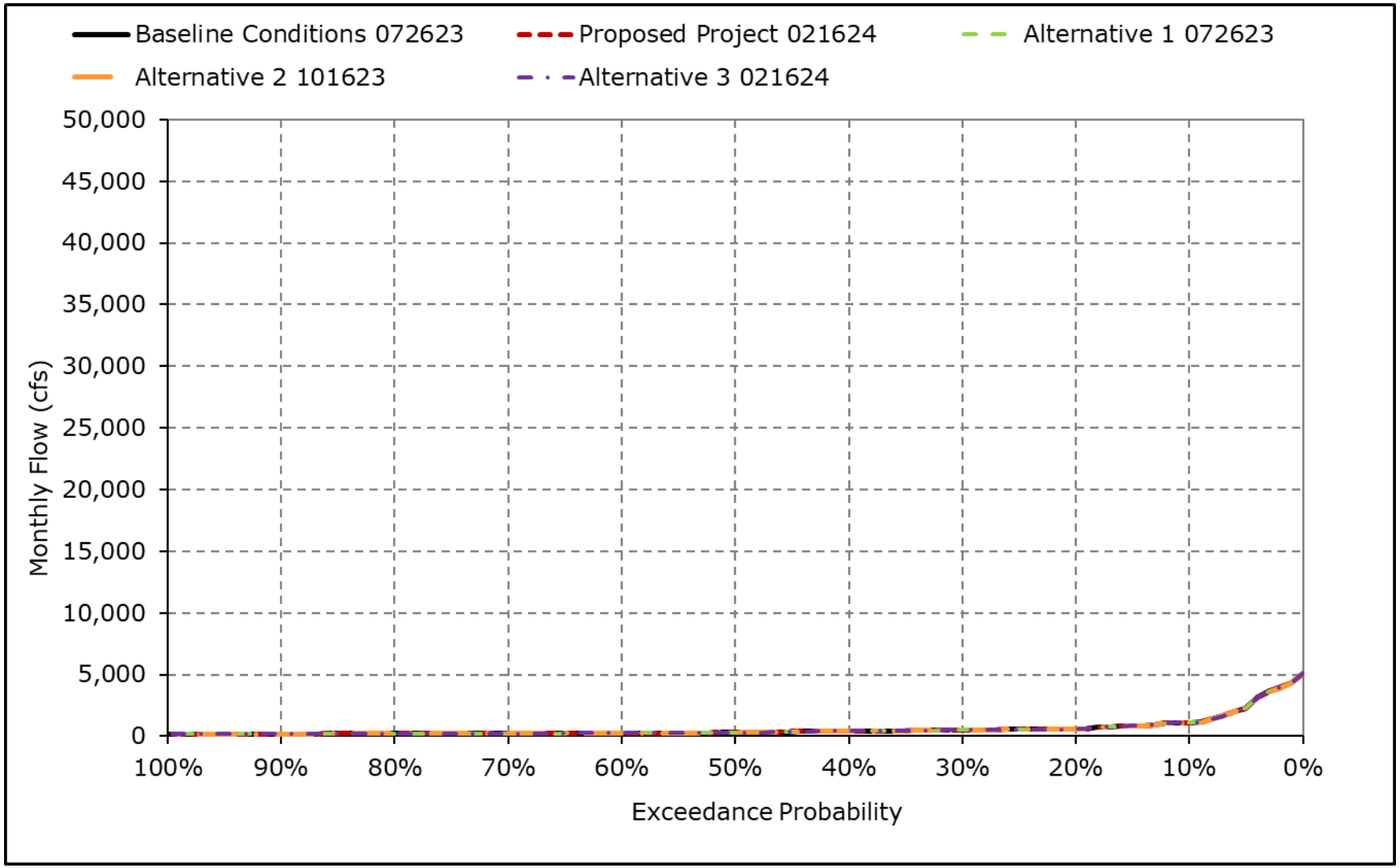
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



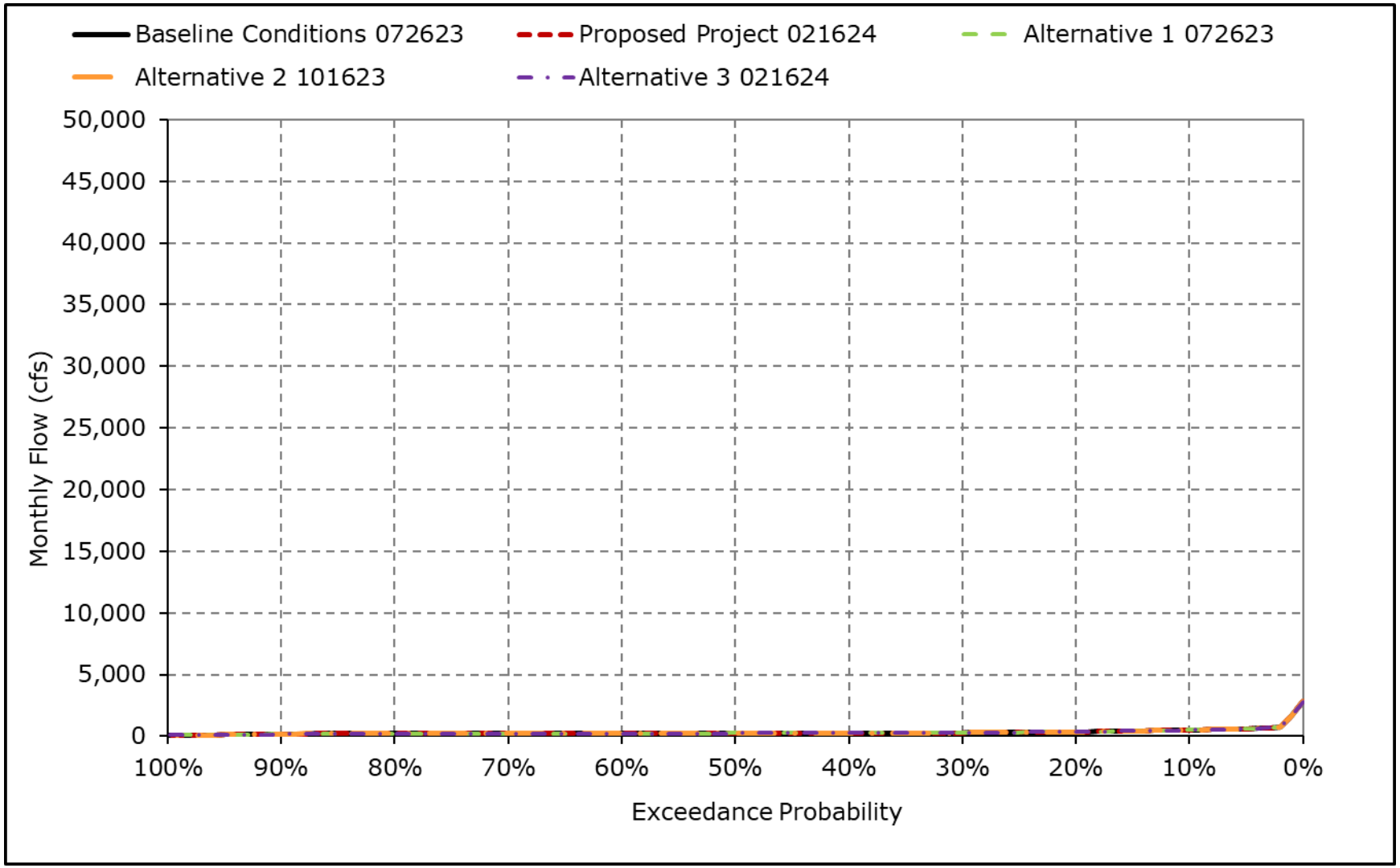
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



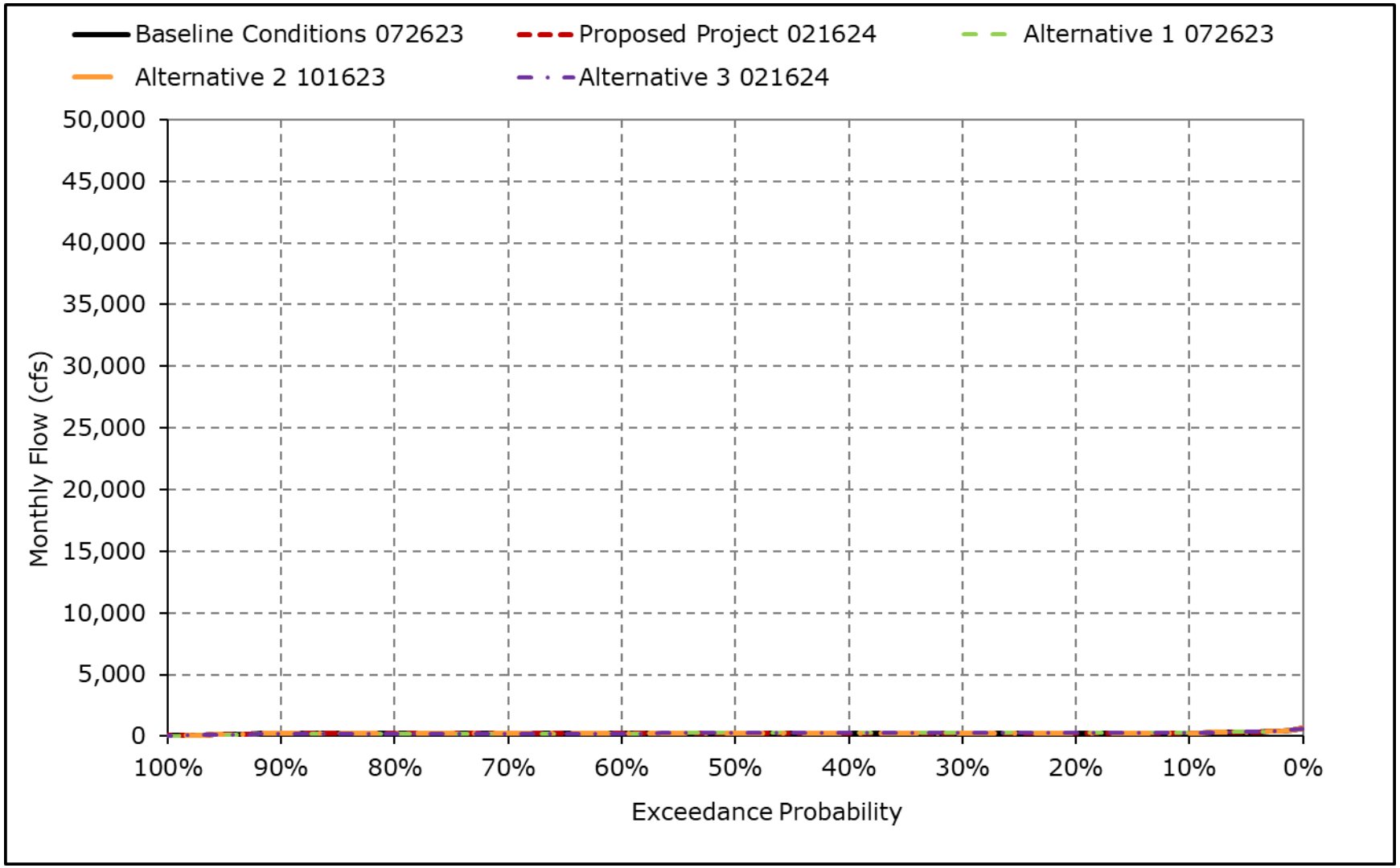
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



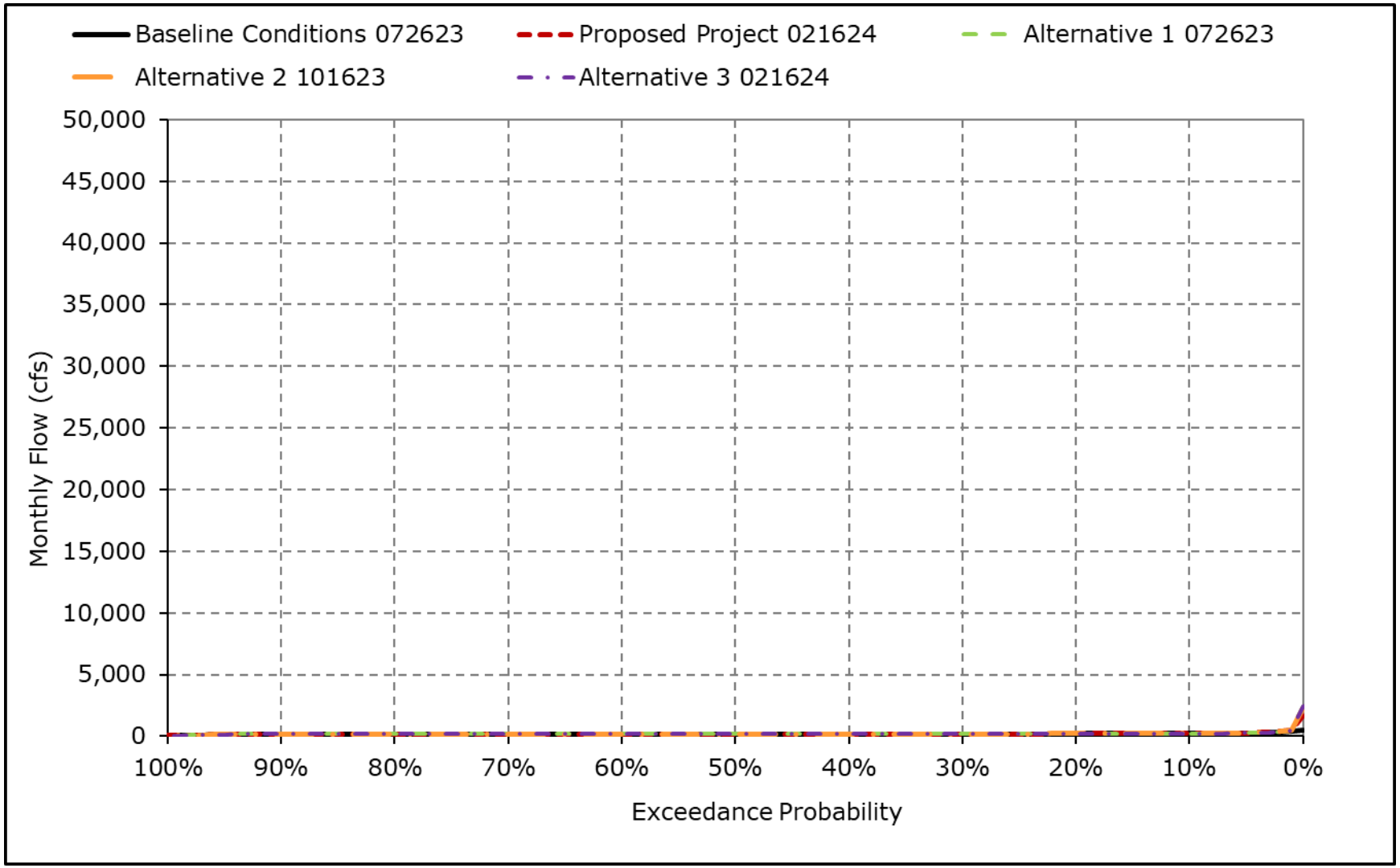
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



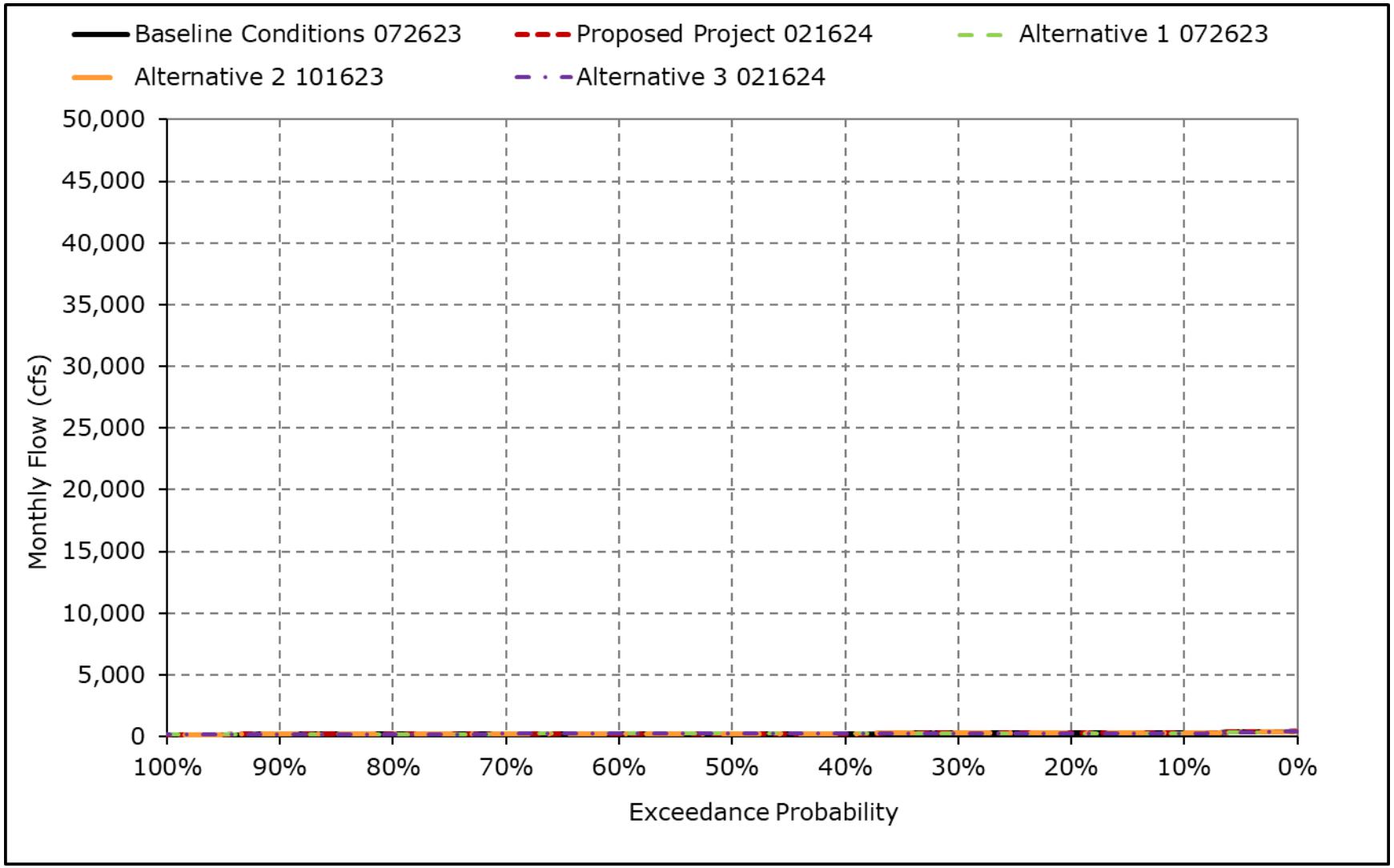
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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 072623, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	10,861	18,707	55,859	83,054	104,269	80,142	45,999	37,715	22,467	13,424	10,721	12,138
20% Exceedance	9,381	10,374	35,909	58,749	65,788	52,113	33,080	27,545	13,452	12,584	10,412	11,638
30% Exceedance	8,753	9,200	20,594	32,224	50,459	38,900	21,675	18,206	9,347	11,604	10,155	10,600
40% Exceedance	7,595	8,505	15,328	25,619	36,789	29,456	16,301	13,270	7,825	11,236	9,867	9,626
50% Exceedance	6,426	8,134	12,461	19,723	26,716	21,371	12,905	11,633	7,383	10,828	9,469	8,946
60% Exceedance	5,558	7,255	11,329	16,090	19,766	18,379	9,494	9,552	7,143	10,420	8,360	7,715
70% Exceedance	4,827	6,264	10,309	11,175	15,995	15,595	8,308	8,188	6,716	9,517	6,585	5,592
80% Exceedance	4,302	5,033	7,824	9,458	13,715	12,069	7,871	7,525	5,990	8,143	5,359	4,846
90% Exceedance	3,771	4,243	6,747	8,310	10,347	9,688	6,840	6,196	4,993	5,214	3,966	4,142
Full Simulation Period Average[a]	7,450	10,276	22,695	34,804	44,732	35,640	20,718	16,536	10,905	10,362	8,254	8,389
Wet Water Years (30%)	9,782	15,803	43,638	69,505	87,316	66,213	40,282	29,288	18,715	11,484	9,865	11,762
Above Normal Water Years (11%)	6,456	9,201	17,843	45,601	52,221	47,275	21,923	18,804	12,294	12,100	10,727	11,116
Below Normal Water Years (21%)	7,361	9,567	14,215	20,107	29,258	23,996	14,121	13,386	7,662	12,059	9,729	8,441
Dry Water Years (22%)	6,827	7,767	13,761	13,316	20,308	17,270	9,687	8,788	7,073	10,190	6,718	5,580
Critical Water Years (16%)	4,735	5,034	10,178	11,151	13,633	10,853	7,036	5,853	4,833	5,073	3,711	3,986

Table 4C-3-4-1b. Sacramento River Flow at Rio Vista, Proposed Project 021624, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	10,425	19,020	55,850	83,076	104,528	79,431	46,001	37,715	22,459	13,332	10,536	13,059
20% Exceedance	9,412	10,602	35,826	58,608	65,774	51,852	33,098	27,533	13,431	12,476	10,258	12,455
30% Exceedance	8,789	9,051	20,609	32,565	50,451	38,934	21,962	18,259	9,299	11,553	10,098	11,084
40% Exceedance	7,550	8,519	15,276	25,575	36,790	29,455	16,513	13,450	7,681	11,267	9,788	10,109
50% Exceedance	6,200	8,135	12,662	19,953	26,667	21,078	13,114	11,633	7,209	10,757	9,340	8,970
60% Exceedance	5,225	7,371	11,323	16,049	19,751	18,460	9,656	9,292	6,887	10,331	8,299	6,859
70% Exceedance	4,637	5,891	10,299	11,339	15,998	15,797	8,298	8,332	6,555	9,568	6,730	5,576
80% Exceedance	4,294	4,950	7,819	9,425	13,446	12,105	8,012	7,746	6,045	7,968	5,365	4,869
90% Exceedance	3,772	4,248	6,833	8,298	10,305	9,646	6,843	6,417	4,780	4,972	3,843	4,143
Full Simulation Period Average[a]	7,424	10,257	22,737	34,795	44,670	35,711	20,838	16,590	10,819	10,300	8,168	8,716
Wet Water Years (30%)	9,745	15,835	43,647	69,522	87,287	66,199	40,253	29,287	18,737	11,455	9,833	12,425
Above Normal Water Years (11%)	6,520	9,203	17,900	45,621	52,129	47,337	22,122	18,977	12,263	11,959	10,376	12,271
Below Normal Water Years (21%)	7,304	9,450	14,400	20,148	29,016	24,117	14,457	13,314	7,624	11,911	9,578	8,412
Dry Water Years (22%)	6,749	7,821	13,583	13,187	20,215	17,518	9,858	8,991	6,754	10,175	6,644	5,609
Critical Water Years (16%)	4,781	4,930	10,384	11,171	13,805	10,787	7,029	5,893	4,760	5,055	3,774	3,992

Table 4C-3-4-1c. Sacramento River Flow at Rio Vista, Proposed Project 021624 minus Baseline Conditions 072623, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-436	313	-9	22	258	-711	2	0	-9	-93	-185	921
20% Exceedance	31	229	-83	-142	-14	-261	18	-12	-22	-108	-155	818
30% Exceedance	36	-149	16	341	-8	34	287	53	-48	-51	-57	485
40% Exceedance	-45	14	-52	-44	0	0	212	181	-144	31	-79	483
50% Exceedance	-226	1	200	231	-49	-294	209	-1	-174	-70	-129	24
60% Exceedance	-332	117	-6	-41	-14	81	162	-260	-256	-89	-61	-856
70% Exceedance	-190	-373	-10	165	3	201	-9	144	-160	51	146	-16
80% Exceedance	-7	-83	-4	-33	-269	35	140	221	55	-175	6	23
90% Exceedance	1	5	86	-12	-41	-43	3	222	-213	-242	-124	0
Full Simulation Period Average[a]	-26	-19	42	-9	-63	72	120	55	-87	-62	-86	327
Wet Water Years (30%)	-38	32	10	17	-29	-14	-30	-1	22	-30	-31	663
Above Normal Water Years (11%)	64	2	57	20	-92	62	199	173	-31	-141	-351	1,155
Below Normal Water Years (21%)	-57	-117	185	42	-243	120	335	-73	-38	-148	-152	-29
Dry Water Years (22%)	-78	54	-178	-129	-93	248	171	203	-319	-15	-73	29
Critical Water Years (16%)	45	-104	206	21	172	-66	-7	40	-74	-18	63	7

[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 072623, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	10,861	18,707	55,859	83,054	104,269	80,142	45,999	37,715	22,467	13,424	10,721	12,138
20% Exceedance	9,381	10,374	35,909	58,749	65,788	52,113	33,080	27,545	13,452	12,584	10,412	11,638
30% Exceedance	8,753	9,200	20,594	32,224	50,459	38,900	21,675	18,206	9,347	11,604	10,155	10,600
40% Exceedance	7,595	8,505	15,328	25,619	36,789	29,456	16,301	13,270	7,825	11,236	9,867	9,626
50% Exceedance	6,426	8,134	12,461	19,723	26,716	21,371	12,905	11,633	7,383	10,828	9,469	8,946
60% Exceedance	5,558	7,255	11,329	16,090	19,766	18,379	9,494	9,552	7,143	10,420	8,360	7,715
70% Exceedance	4,827	6,264	10,309	11,175	15,995	15,595	8,308	8,188	6,716	9,517	6,585	5,592
80% Exceedance	4,302	5,033	7,824	9,458	13,715	12,069	7,871	7,525	5,990	8,143	5,359	4,846
90% Exceedance	3,771	4,243	6,747	8,310	10,347	9,688	6,840	6,196	4,993	5,214	3,966	4,142
Full Simulation Period Average[a]	7,450	10,276	22,695	34,804	44,732	35,640	20,718	16,536	10,905	10,362	8,254	8,389
Wet Water Years (30%)	9,782	15,803	43,638	69,505	87,316	66,213	40,282	29,288	18,715	11,484	9,865	11,762
Above Normal Water Years (11%)	6,456	9,201	17,843	45,601	52,221	47,275	21,923	18,804	12,294	12,100	10,727	11,116
Below Normal Water Years (21%)	7,361	9,567	14,215	20,107	29,258	23,996	14,121	13,386	7,662	12,059	9,729	8,441
Dry Water Years (22%)	6,827	7,767	13,761	13,316	20,308	17,270	9,687	8,788	7,073	10,190	6,718	5,580
Critical Water Years (16%)	4,735	5,034	10,178	11,151	13,633	10,853	7,036	5,853	4,833	5,073	3,711	3,986

Table 4C-3-4-2b. Sacramento River Flow at Rio Vista, Alternative 1 072623, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	10,421	19,027	55,843	83,095	104,536	79,420	46,004	37,716	22,463	13,339	10,521	13,057
20% Exceedance	9,409	10,603	35,822	58,735	65,782	52,193	32,955	27,531	13,419	12,594	10,258	12,456
30% Exceedance	8,794	9,173	20,608	32,560	50,449	38,879	21,658	18,375	9,299	11,557	10,109	11,083
40% Exceedance	7,551	8,479	15,292	25,565	36,795	29,455	16,298	13,678	7,602	11,252	9,790	10,113
50% Exceedance	6,208	8,135	12,484	19,926	26,650	20,991	12,903	12,018	7,102	10,789	9,333	8,982
60% Exceedance	5,261	7,401	11,205	16,046	19,776	18,366	9,397	9,696	6,876	10,348	8,311	6,983
70% Exceedance	4,623	6,240	10,302	11,096	15,998	15,582	8,192	8,829	6,461	9,644	6,826	5,617
80% Exceedance	4,273	4,950	7,822	9,396	13,831	11,970	7,847	8,265	5,953	7,987	5,364	4,860
90% Exceedance	3,772	4,246	6,790	8,298	10,482	9,649	6,784	6,412	4,514	4,930	3,646	4,143
Full Simulation Period Average[a]	7,418	10,271	22,718	34,806	44,746	35,604	20,696	16,886	10,753	10,310	8,148	8,732
Wet Water Years (30%)	9,724	15,826	43,649	69,529	87,317	66,199	40,216	29,283	18,737	11,451	9,832	12,423
Above Normal Water Years (11%)	6,512	9,236	17,937	45,643	52,072	47,136	21,980	19,531	12,192	12,004	10,362	12,317
Below Normal Water Years (21%)	7,316	9,427	14,346	20,150	29,038	23,950	14,123	13,875	7,528	11,947	9,568	8,427
Dry Water Years (22%)	6,744	7,819	13,587	13,188	20,453	17,293	9,650	9,524	6,632	10,195	6,609	5,644
Critical Water Years (16%)	4,781	5,049	10,303	11,212	13,910	10,784	7,029	5,893	4,694	5,013	3,721	3,992

Table 4C-3-4-2c. Sacramento River Flow at Rio Vista, Alternative 1 072623 minus Baseline Conditions 072623, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-440	319	-16	41	267	-721	5	1	-4	-85	-200	919
20% Exceedance	28	229	-87	-14	-6	80	-125	-14	-33	10	-155	818
30% Exceedance	41	-27	14	336	-9	-21	-17	169	-48	-47	-45	484
40% Exceedance	-44	-26	-36	-54	5	-1	-2	409	-222	17	-77	488
50% Exceedance	-219	1	23	203	-66	-380	-2	385	-281	-39	-136	35
60% Exceedance	-296	146	-124	-44	10	-12	-97	144	-267	-72	-48	-732
70% Exceedance	-204	-24	-8	-78	3	-14	-116	641	-255	127	242	25
80% Exceedance	-28	-83	-2	-62	116	-99	-24	741	-37	-155	5	14
90% Exceedance	1	2	44	-12	135	-40	-56	216	-479	-284	-321	0
Full Simulation Period Average[a]	-32	-5	23	3	14	-35	-22	350	-152	-52	-106	342
Wet Water Years (30%)	-58	23	11	25	1	-14	-66	-4	22	-34	-32	661
Above Normal Water Years (11%)	55	34	94	41	-148	-139	57	727	-102	-96	-365	1,201
Below Normal Water Years (21%)	-45	-140	131	43	-221	-46	2	489	-134	-111	-162	-14
Dry Water Years (22%)	-83	51	-174	-128	145	23	-36	737	-441	5	-109	64
Critical Water Years (16%)	45	15	124	62	277	-69	-7	41	-140	-60	10	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-3-4-3a. Sacramento River Flow at Rio Vista, Baseline Conditions 072623, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	10,861	18,707	55,859	83,054	104,269	80,142	45,999	37,715	22,467	13,424	10,721	12,138
20% Exceedance	9,381	10,374	35,909	58,749	65,788	52,113	33,080	27,545	13,452	12,584	10,412	11,638
30% Exceedance	8,753	9,200	20,594	32,224	50,459	38,900	21,675	18,206	9,347	11,604	10,155	10,600
40% Exceedance	7,595	8,505	15,328	25,619	36,789	29,456	16,301	13,270	7,825	11,236	9,867	9,626
50% Exceedance	6,426	8,134	12,461	19,723	26,716	21,371	12,905	11,633	7,383	10,828	9,469	8,946
60% Exceedance	5,558	7,255	11,329	16,090	19,766	18,379	9,494	9,552	7,143	10,420	8,360	7,715
70% Exceedance	4,827	6,264	10,309	11,175	15,995	15,595	8,308	8,188	6,716	9,517	6,585	5,592
80% Exceedance	4,302	5,033	7,824	9,458	13,715	12,069	7,871	7,525	5,990	8,143	5,359	4,846
90% Exceedance	3,771	4,243	6,747	8,310	10,347	9,688	6,840	6,196	4,993	5,214	3,966	4,142
Full Simulation Period Average[a]	7,450	10,276	22,695	34,804	44,732	35,640	20,718	16,536	10,905	10,362	8,254	8,389
Wet Water Years (30%)	9,782	15,803	43,638	69,505	87,316	66,213	40,282	29,288	18,715	11,484	9,865	11,762
Above Normal Water Years (11%)	6,456	9,201	17,843	45,601	52,221	47,275	21,923	18,804	12,294	12,100	10,727	11,116
Below Normal Water Years (21%)	7,361	9,567	14,215	20,107	29,258	23,996	14,121	13,386	7,662	12,059	9,729	8,441
Dry Water Years (22%)	6,827	7,767	13,761	13,316	20,308	17,270	9,687	8,788	7,073	10,190	6,718	5,580
Critical Water Years (16%)	4,735	5,034	10,178	11,151	13,633	10,853	7,036	5,853	4,833	5,073	3,711	3,986

Table 4C-3-4-3b. Sacramento River Flow at Rio Vista, Alternative 2 101623, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	10,421	19,106	55,844	83,097	104,536	79,122	46,005	37,716	22,464	13,338	10,521	13,057
20% Exceedance	9,409	10,603	35,822	58,734	65,781	52,192	32,955	27,530	13,422	12,594	10,258	12,455
30% Exceedance	8,790	9,050	20,609	32,580	50,450	38,880	21,655	18,375	9,299	11,553	10,109	11,083
40% Exceedance	7,551	8,479	15,294	25,566	36,795	29,455	16,298	13,678	7,602	11,252	9,790	10,115
50% Exceedance	6,208	8,135	12,652	19,926	26,650	20,991	12,903	12,018	7,102	10,789	9,335	8,980
60% Exceedance	5,258	7,401	11,324	16,046	19,751	18,360	9,397	9,687	6,876	10,348	8,318	6,983
70% Exceedance	4,623	6,240	10,302	11,423	15,998	15,581	8,192	8,829	6,461	9,613	6,823	5,617
80% Exceedance	4,273	4,968	7,709	9,404	13,831	11,970	7,848	8,265	5,953	7,988	5,376	4,860
90% Exceedance	3,772	4,249	6,790	8,298	10,481	9,649	6,784	6,412	4,511	4,920	3,672	4,143
Full Simulation Period Average[a]	7,417	10,275	22,733	34,807	44,737	35,603	20,694	16,885	10,754	10,310	8,149	8,733
Wet Water Years (30%)	9,724	15,827	43,657	69,527	87,298	66,199	40,226	29,284	18,737	11,455	9,833	12,424
Above Normal Water Years (11%)	6,504	9,222	17,915	45,641	52,125	47,105	21,980	19,531	12,193	12,004	10,362	12,316
Below Normal Water Years (21%)	7,315	9,428	14,413	20,151	29,033	23,949	14,096	13,871	7,528	11,947	9,566	8,431
Dry Water Years (22%)	6,743	7,819	13,596	13,192	20,426	17,305	9,651	9,524	6,636	10,191	6,616	5,642
Critical Water Years (16%)	4,778	5,078	10,298	11,214	13,896	10,783	7,029	5,893	4,693	5,012	3,717	3,993

Table 4C-3-4-3c. Sacramento River Flow at Rio Vista, Alternative 2 101623 minus Baseline Conditions 072623, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-440	399	-15	43	266	-1,020	6	1	-4	-87	-200	919
20% Exceedance	28	229	-87	-15	-7	79	-125	-15	-30	10	-155	818
30% Exceedance	37	-150	15	356	-9	-21	-20	169	-48	-50	-45	483
40% Exceedance	-44	-26	-34	-54	5	0	-2	409	-222	17	-77	489
50% Exceedance	-219	1	191	203	-66	-380	-1	384	-281	-39	-134	33
60% Exceedance	-300	146	-5	-44	-14	-18	-97	135	-267	-72	-42	-732
70% Exceedance	-204	-23	-8	248	3	-14	-116	641	-255	97	238	24
80% Exceedance	-28	-65	-115	-54	116	-99	-23	741	-37	-155	17	14
90% Exceedance	1	6	43	-12	135	-40	-56	216	-482	-295	-294	0
Full Simulation Period Average[a]	-34	-1	38	3	4	-37	-25	349	-151	-53	-105	343
Wet Water Years (30%)	-58	24	19	22	-19	-15	-56	-4	22	-30	-32	662
Above Normal Water Years (11%)	48	20	72	40	-96	-170	56	727	-101	-96	-365	1,200
Below Normal Water Years (21%)	-46	-139	198	44	-226	-47	-26	484	-135	-111	-163	-10
Dry Water Years (22%)	-85	52	-165	-124	118	35	-35	736	-437	0	-102	62
Critical Water Years (16%)	43	44	120	64	263	-70	-7	41	-140	-62	7	7

[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 072623, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	10,861	18,707	55,859	83,054	104,269	80,142	45,999	37,715	22,467	13,424	10,721	12,138
20% Exceedance	9,381	10,374	35,909	58,749	65,788	52,113	33,080	27,545	13,452	12,584	10,412	11,638
30% Exceedance	8,753	9,200	20,594	32,224	50,459	38,900	21,675	18,206	9,347	11,604	10,155	10,600
40% Exceedance	7,595	8,505	15,328	25,619	36,789	29,456	16,301	13,270	7,825	11,236	9,867	9,626
50% Exceedance	6,426	8,134	12,461	19,723	26,716	21,371	12,905	11,633	7,383	10,828	9,469	8,946
60% Exceedance	5,558	7,255	11,329	16,090	19,766	18,379	9,494	9,552	7,143	10,420	8,360	7,715
70% Exceedance	4,827	6,264	10,309	11,175	15,995	15,595	8,308	8,188	6,716	9,517	6,585	5,592
80% Exceedance	4,302	5,033	7,824	9,458	13,715	12,069	7,871	7,525	5,990	8,143	5,359	4,846
90% Exceedance	3,771	4,243	6,747	8,310	10,347	9,688	6,840	6,196	4,993	5,214	3,966	4,142
Full Simulation Period Average[a]	7,450	10,276	22,695	34,804	44,732	35,640	20,718	16,536	10,905	10,362	8,254	8,389
Wet Water Years (30%)	9,782	15,803	43,638	69,505	87,316	66,213	40,282	29,288	18,715	11,484	9,865	11,762
Above Normal Water Years (11%)	6,456	9,201	17,843	45,601	52,221	47,275	21,923	18,804	12,294	12,100	10,727	11,116
Below Normal Water Years (21%)	7,361	9,567	14,215	20,107	29,258	23,996	14,121	13,386	7,662	12,059	9,729	8,441
Dry Water Years (22%)	6,827	7,767	13,761	13,316	20,308	17,270	9,687	8,788	7,073	10,190	6,718	5,580
Critical Water Years (16%)	4,735	5,034	10,178	11,151	13,633	10,853	7,036	5,853	4,833	5,073	3,711	3,986

Table 4C-3-4-4b. Sacramento River Flow at Rio Vista, Alternative 3 021624, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	10,425	18,921	55,847	83,076	104,530	79,730	46,000	37,715	22,459	13,331	10,537	13,059
20% Exceedance	9,408	10,603	35,826	58,609	65,774	51,852	33,098	27,531	13,418	12,476	10,258	12,455
30% Exceedance	8,794	9,211	20,607	32,560	50,450	38,934	21,965	18,259	9,269	11,553	10,097	11,085
40% Exceedance	7,550	8,519	15,274	25,575	36,790	29,454	16,512	13,450	7,682	11,267	9,788	10,110
50% Exceedance	6,200	8,135	12,486	19,953	26,667	21,079	13,114	11,633	7,209	10,757	9,337	8,971
60% Exceedance	5,226	7,371	11,205	16,048	19,775	18,468	9,656	9,297	6,887	10,332	8,299	6,861
70% Exceedance	4,637	5,890	10,299	11,340	15,997	15,797	8,289	8,332	6,555	9,575	6,735	5,578
80% Exceedance	4,295	4,950	7,819	9,409	13,831	12,104	8,011	7,746	6,045	7,969	5,366	4,869
90% Exceedance	3,772	4,248	6,833	8,297	10,482	9,646	6,843	6,414	4,520	4,968	3,767	4,143
Full Simulation Period Average[a]	7,426	10,258	22,714	34,802	44,747	35,714	20,825	16,590	10,804	10,296	8,155	8,714
Wet Water Years (30%)	9,744	15,835	43,632	69,525	87,305	66,199	40,215	29,285	18,736	11,450	9,833	12,424
Above Normal Water Years (11%)	6,535	9,217	17,866	45,628	52,135	47,370	22,123	18,977	12,220	11,959	10,372	12,272
Below Normal Water Years (21%)	7,308	9,450	14,339	20,179	29,021	24,117	14,457	13,314	7,624	11,912	9,578	8,401
Dry Water Years (22%)	6,747	7,821	13,586	13,186	20,455	17,518	9,848	8,993	6,726	10,166	6,598	5,608
Critical Water Years (16%)	4,778	4,929	10,372	11,169	13,914	10,782	7,029	5,893	4,740	5,045	3,759	3,991

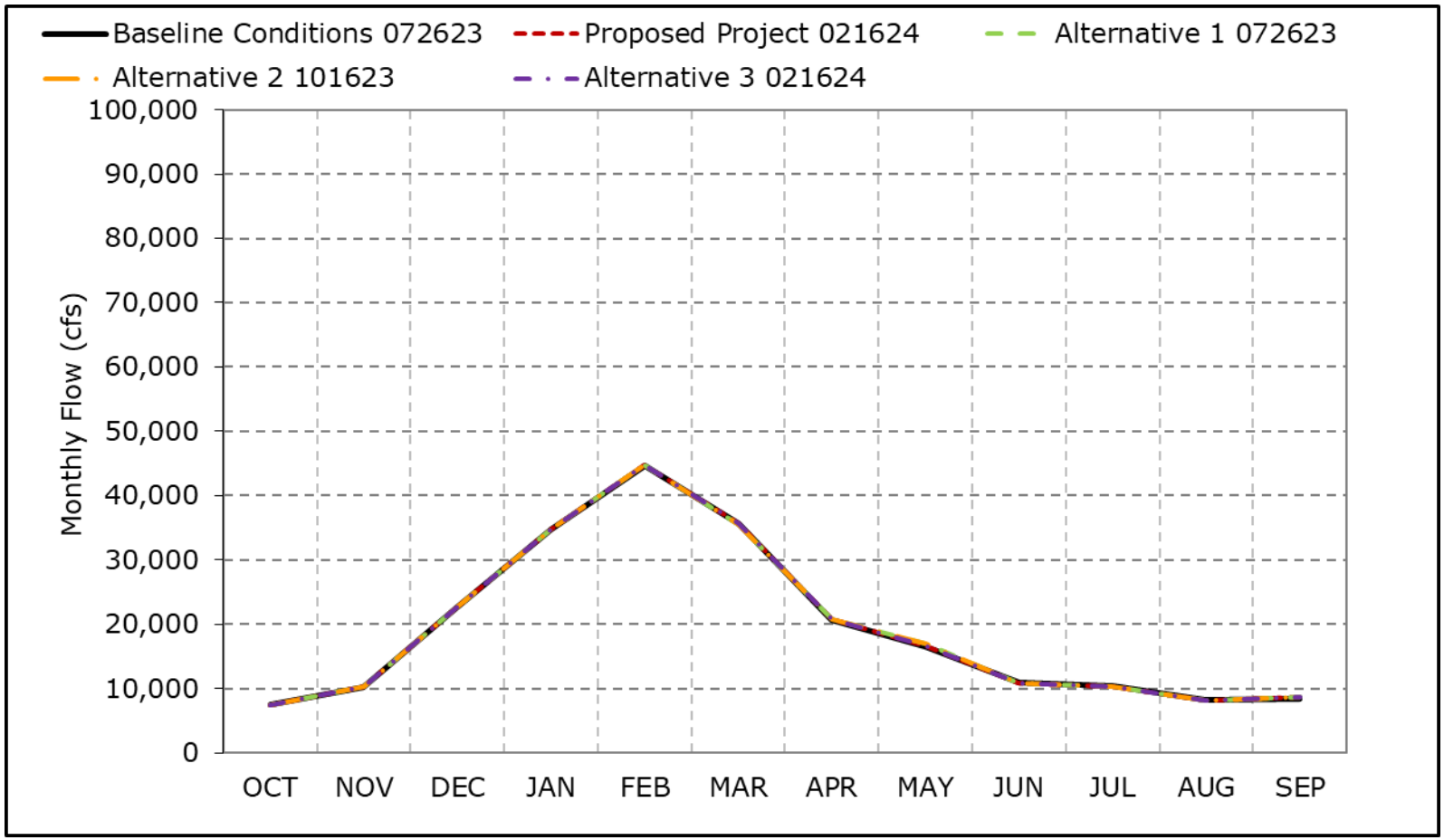
Table 4C-3-4-4c. Sacramento River Flow at Rio Vista, Alternative 3 021624 minus Baseline Conditions 072623, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-436	213	-12	22	260	-412	2	0	-9	-93	-184	921
20% Exceedance	27	229	-83	-141	-14	-261	18	-14	-34	-108	-155	818
30% Exceedance	41	12	14	336	-9	34	290	53	-78	-50	-57	485
40% Exceedance	-44	14	-54	-44	0	-1	212	181	-143	31	-79	484
50% Exceedance	-226	1	25	230	-49	-293	209	-1	-174	-71	-131	24
60% Exceedance	-332	116	-124	-41	10	89	162	-255	-256	-88	-61	-854
70% Exceedance	-190	-373	-11	165	3	202	-18	144	-160	58	150	-14
80% Exceedance	-7	-82	-4	-49	115	35	140	221	55	-174	7	23
90% Exceedance	1	5	86	-12	136	-43	3	219	-473	-247	-200	0
Full Simulation Period Average[a]	-25	-18	19	-1	15	75	107	54	-101	-66	-99	324
Wet Water Years (30%)	-38	32	-6	20	-11	-14	-67	-3	21	-34	-32	661
Above Normal Water Years (11%)	79	15	23	26	-85	94	200	173	-74	-141	-355	1,156
Below Normal Water Years (21%)	-53	-117	123	72	-237	121	335	-73	-38	-147	-151	-39
Dry Water Years (22%)	-81	54	-175	-130	147	248	161	205	-347	-24	-120	27
Critical Water Years (16%)	43	-104	194	18	281	-72	-7	40	-94	-28	48	6

[a] Based on the 100-year simulation period.

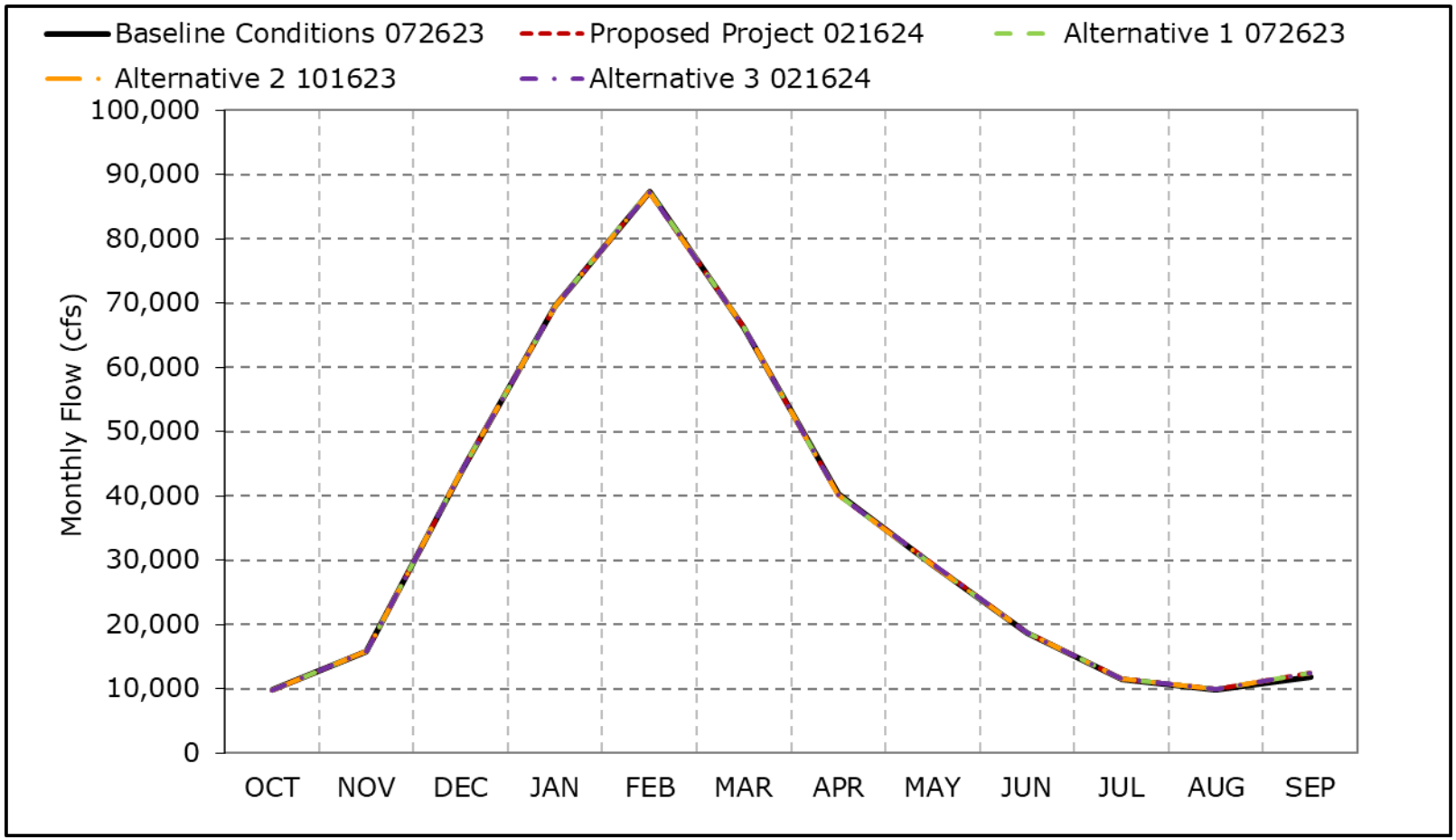
* All scenarios are simulated at current climate condition and 0 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with water year - year type sorting.

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



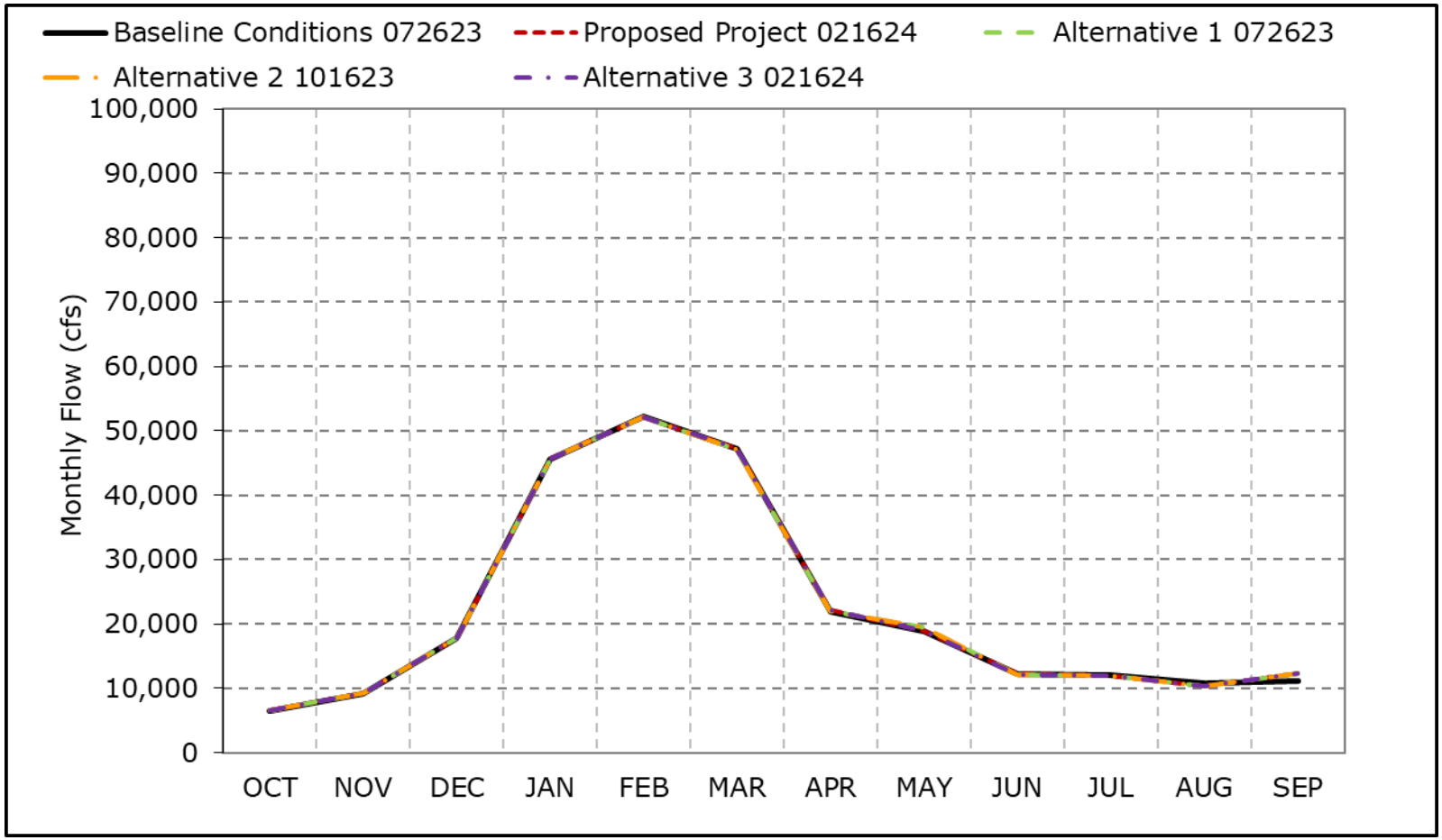
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



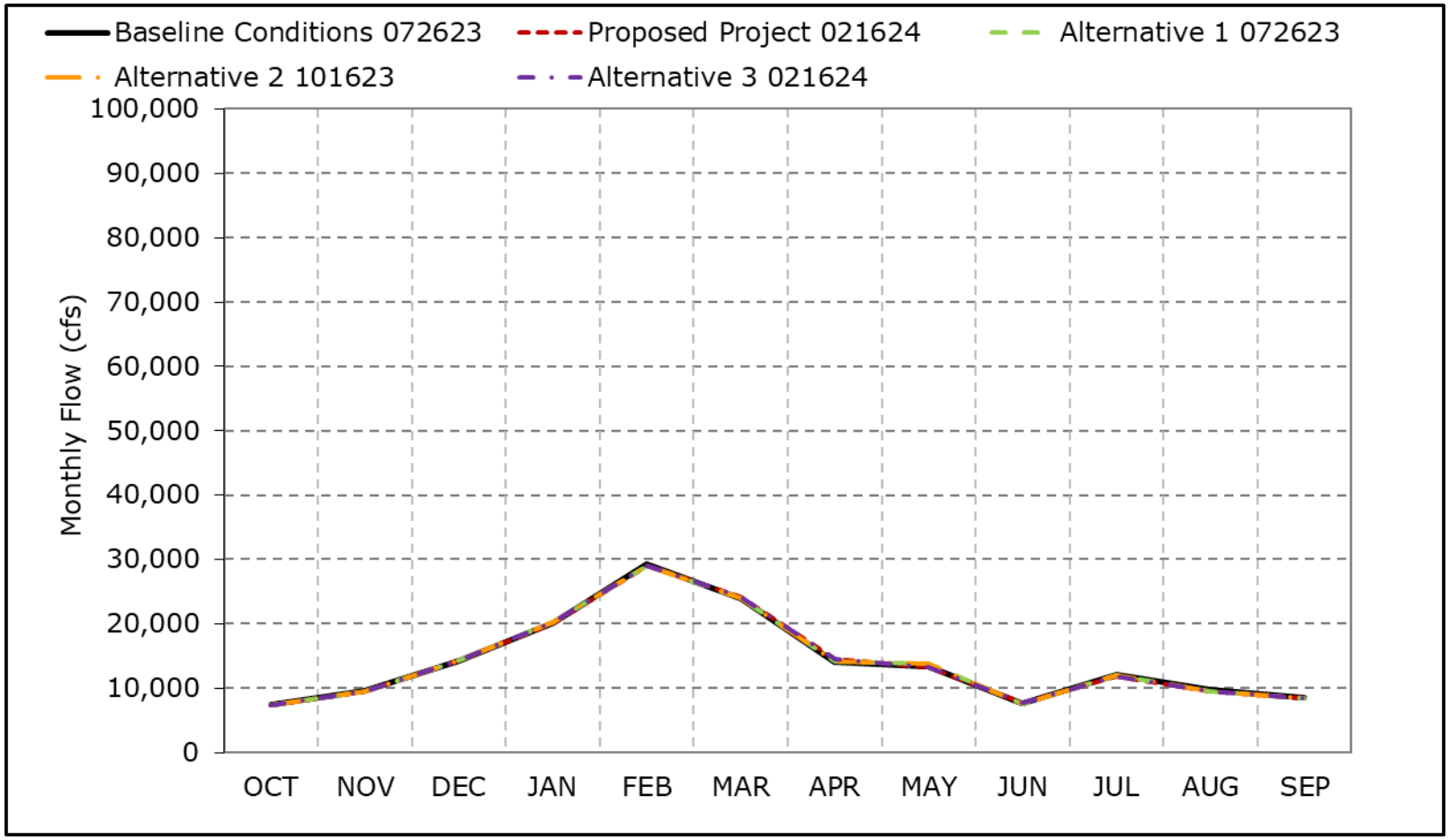
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



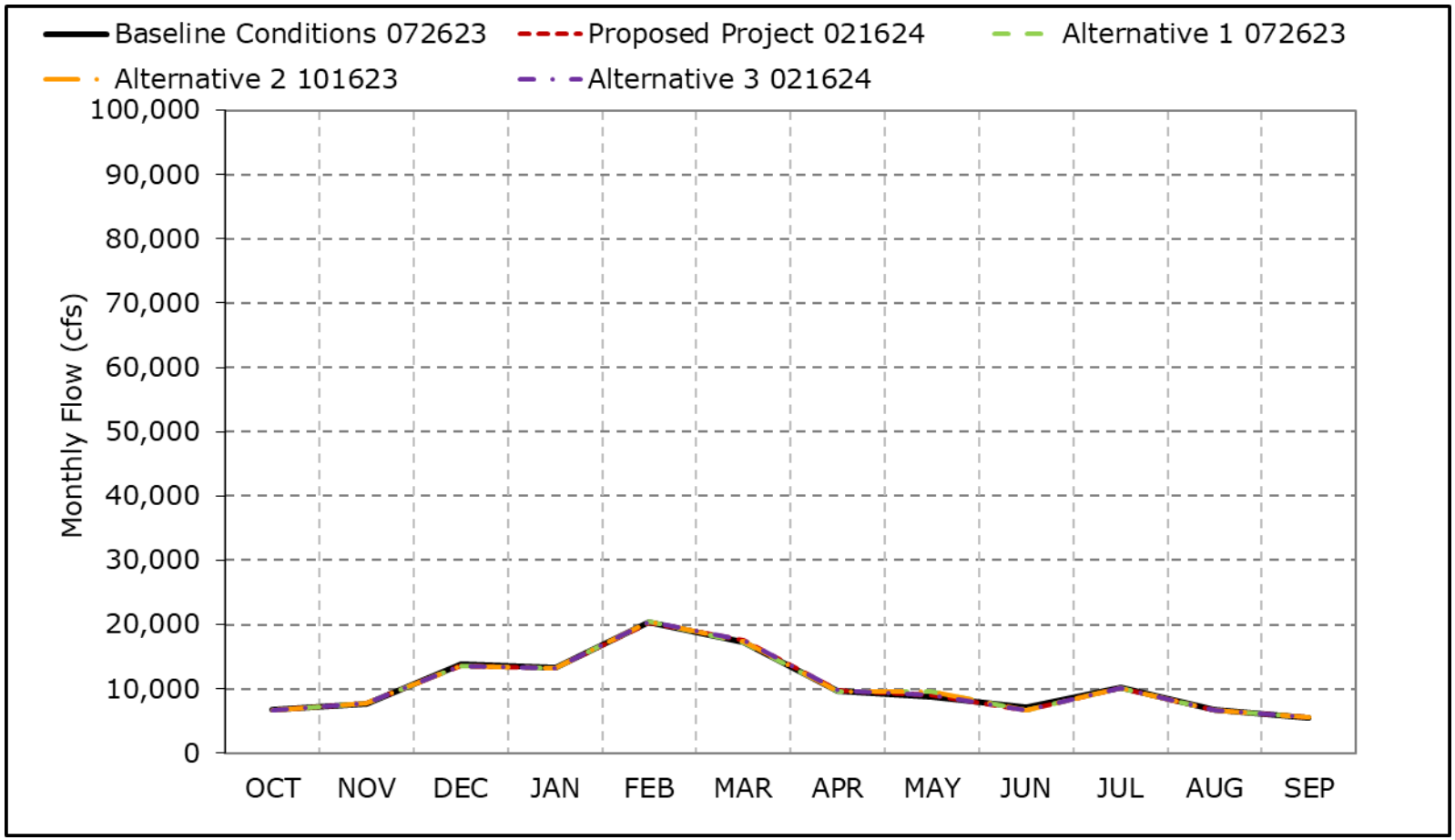
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



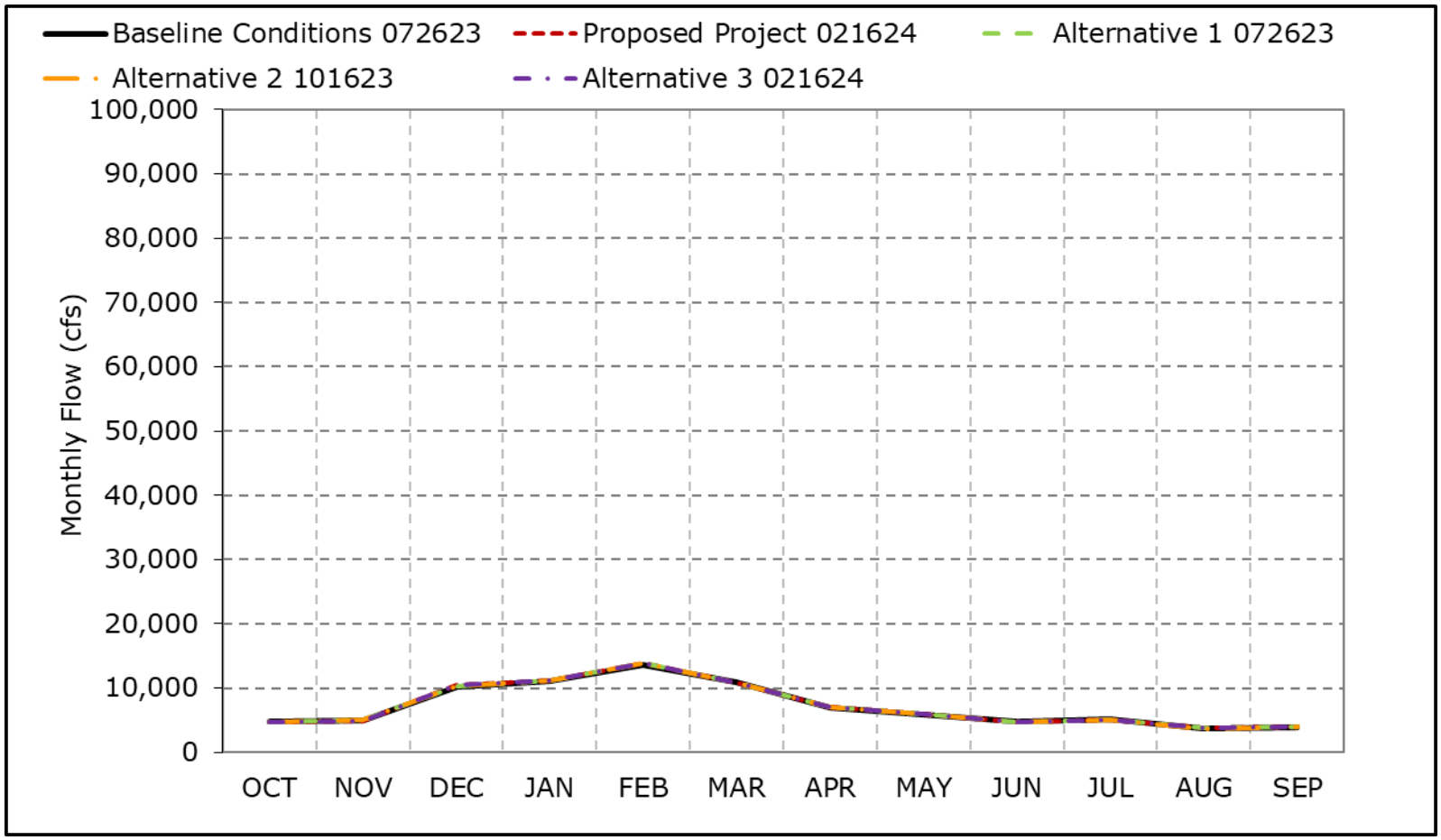
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



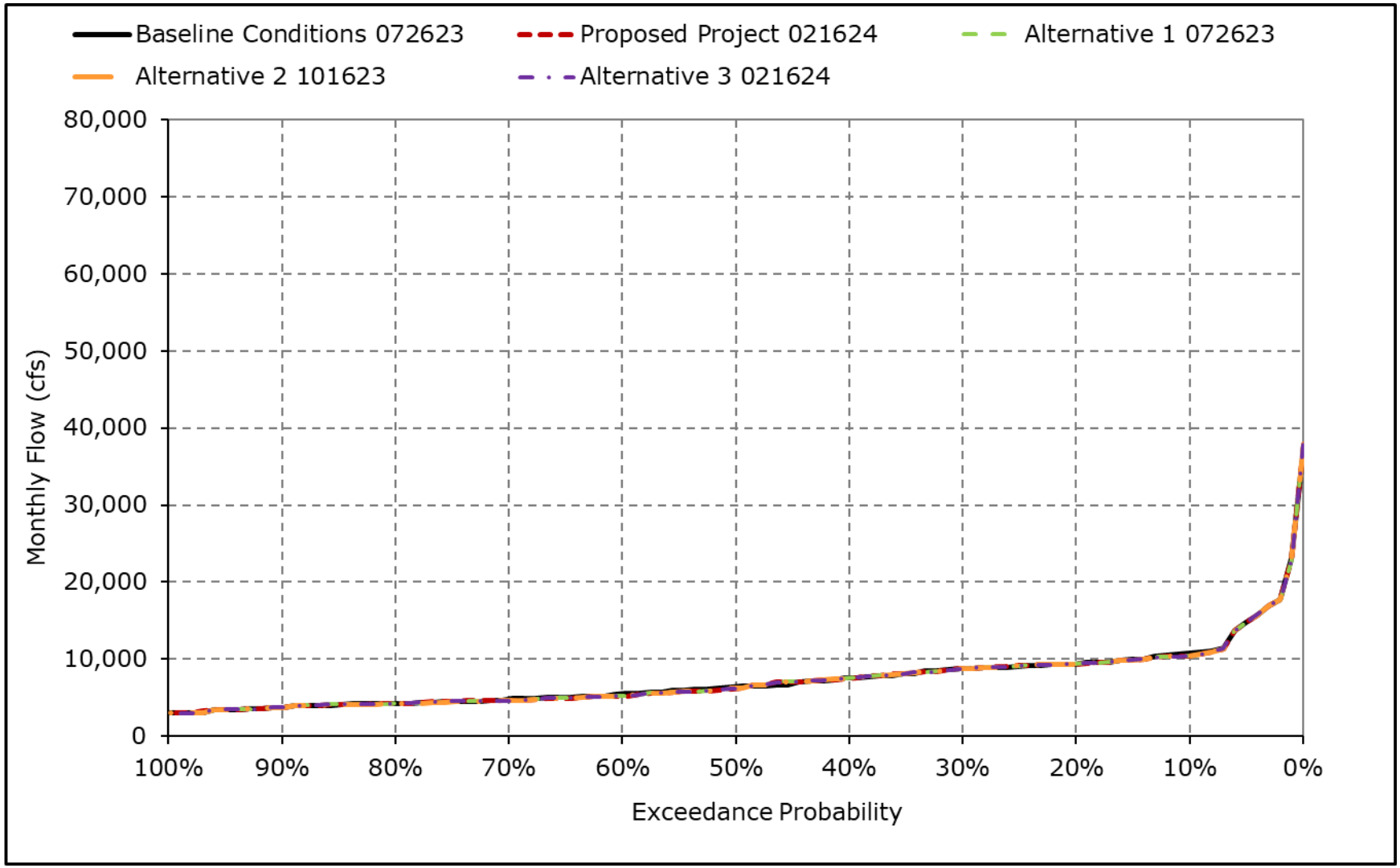
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



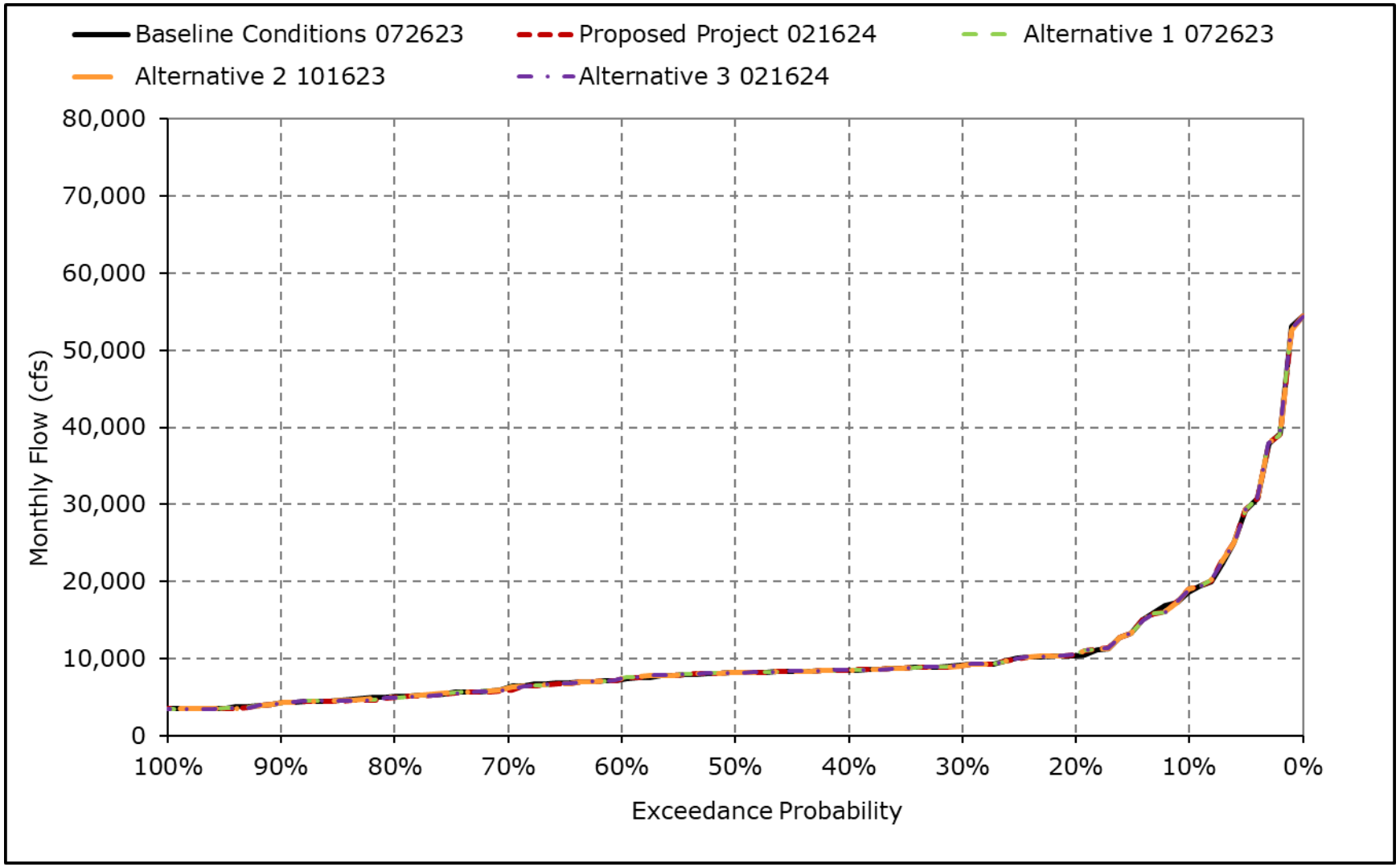
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



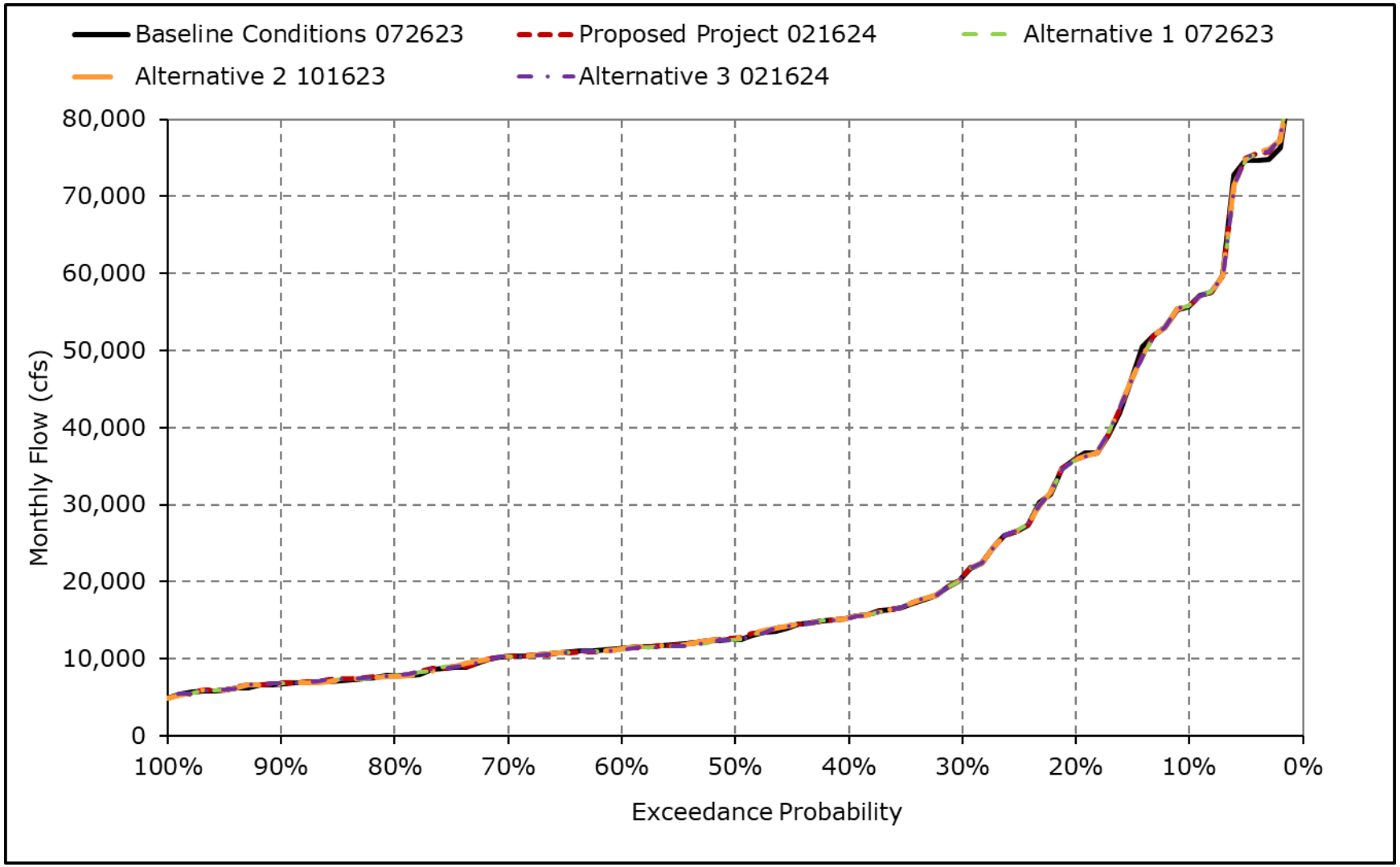
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



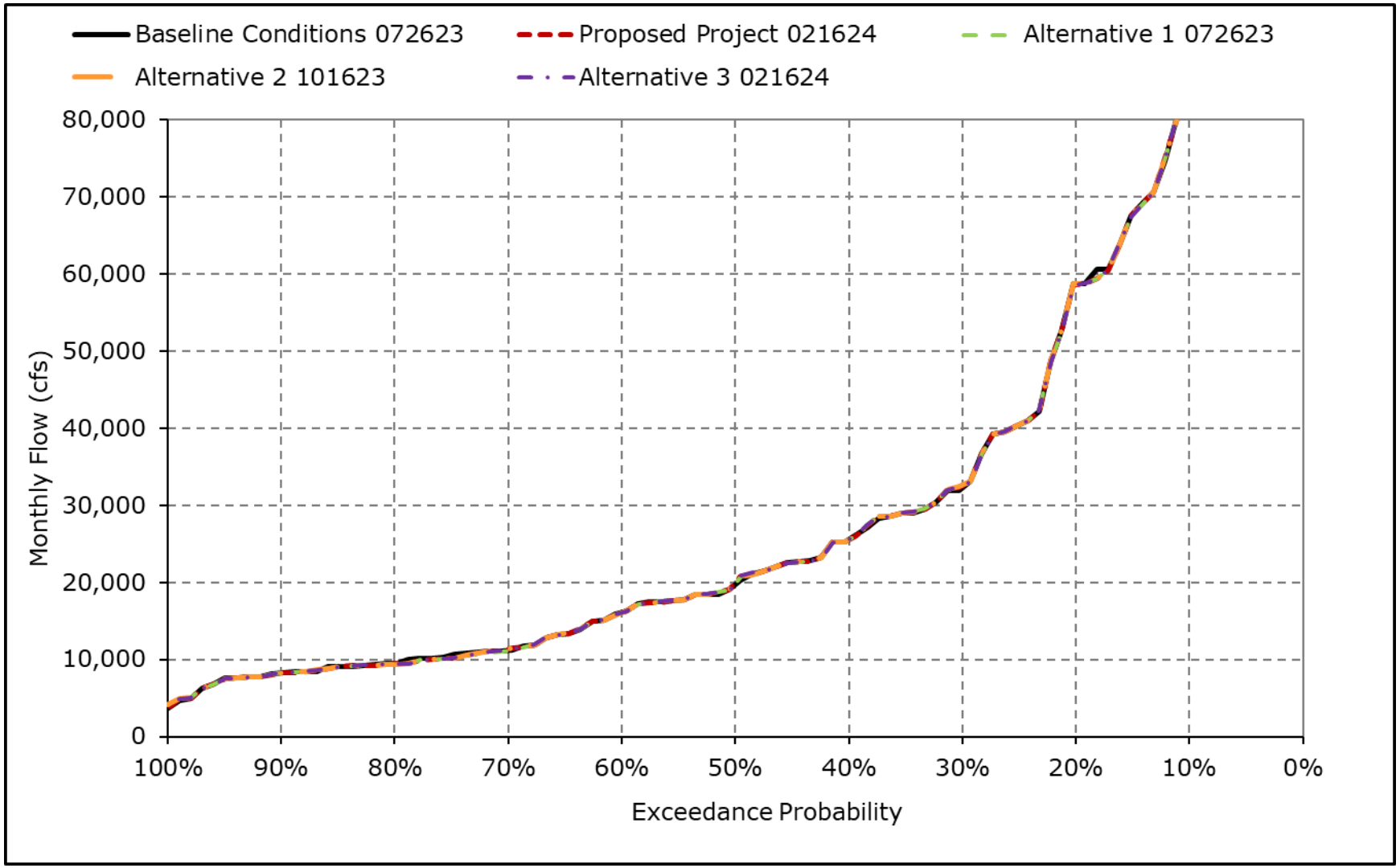
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



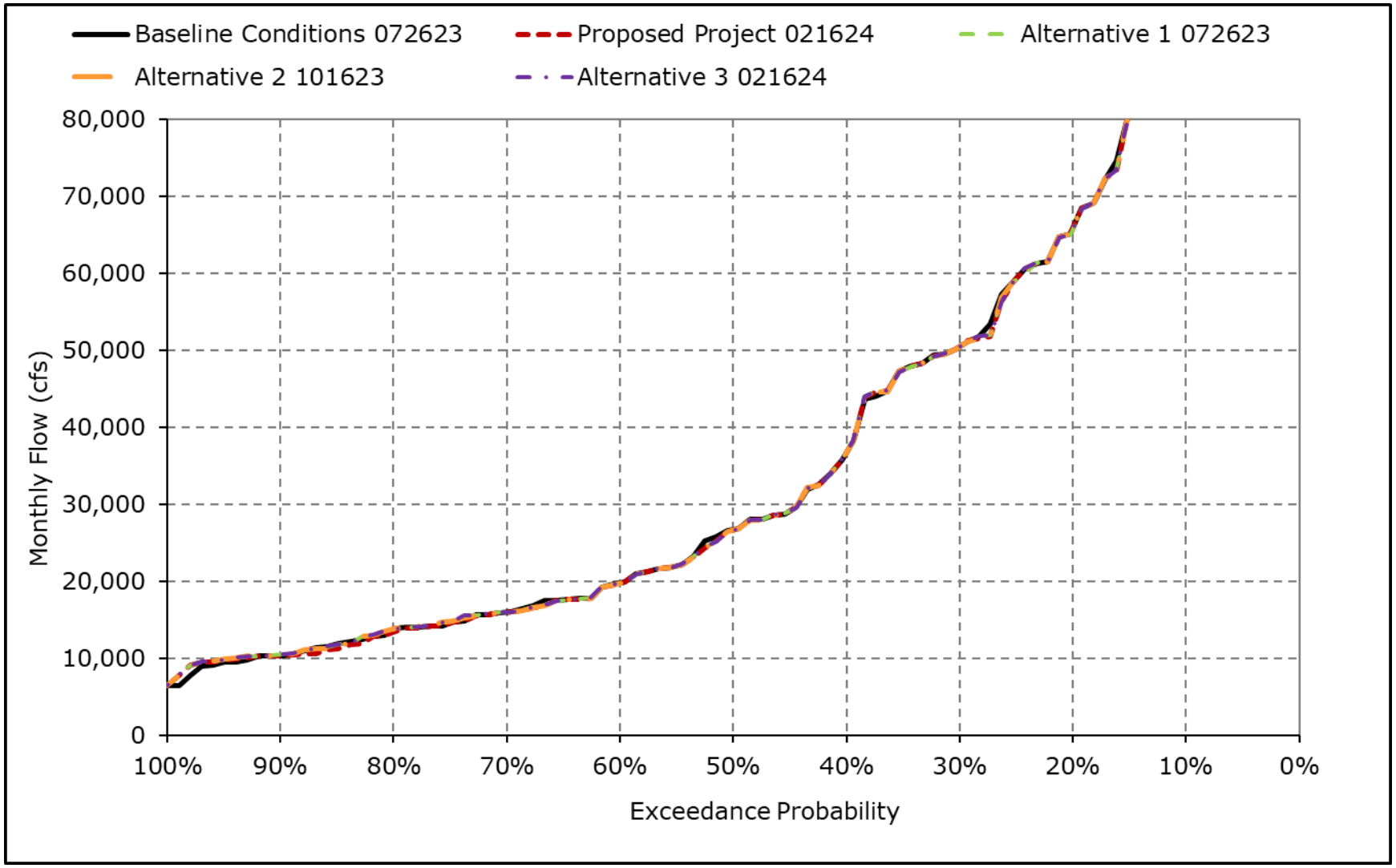
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



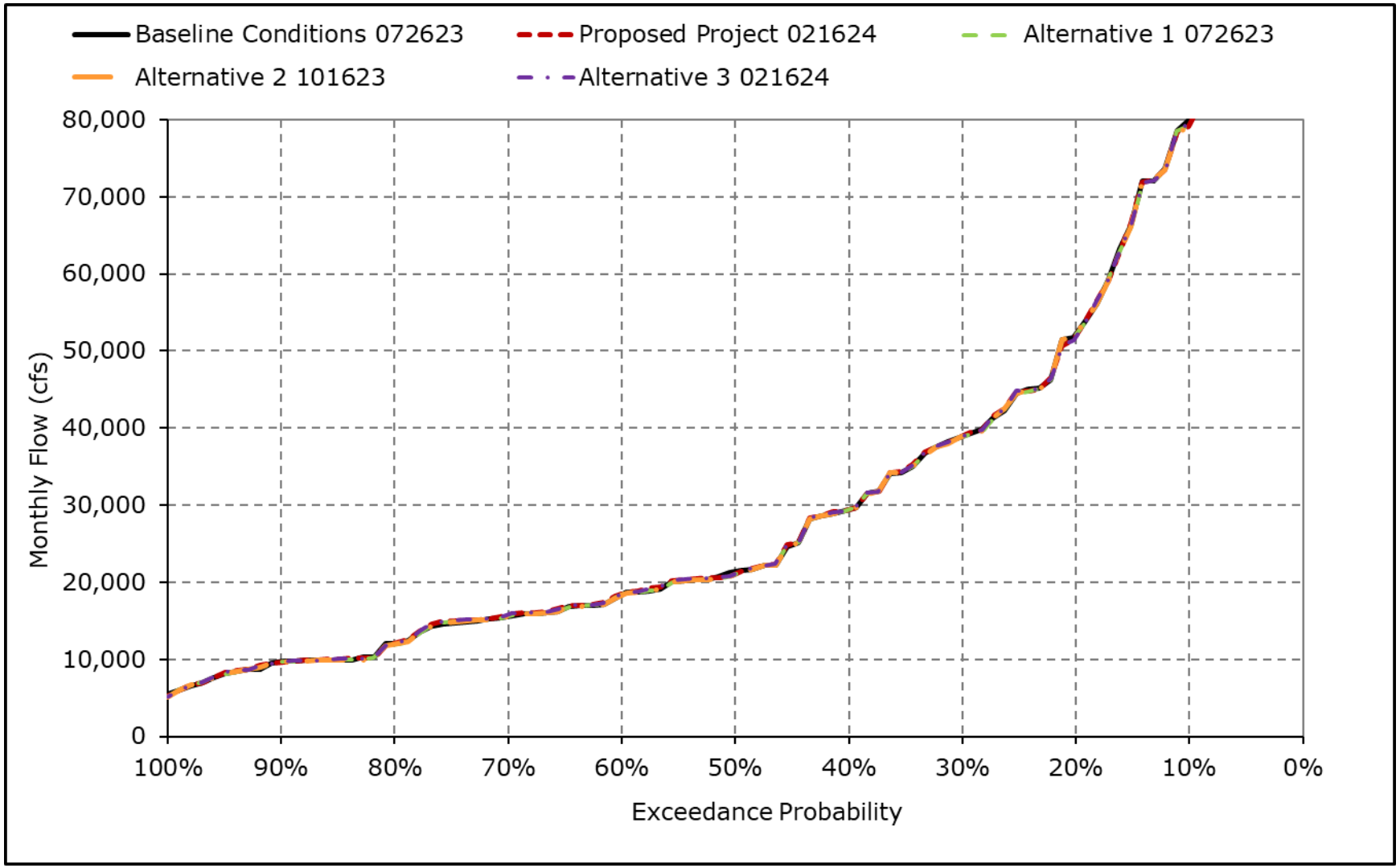
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



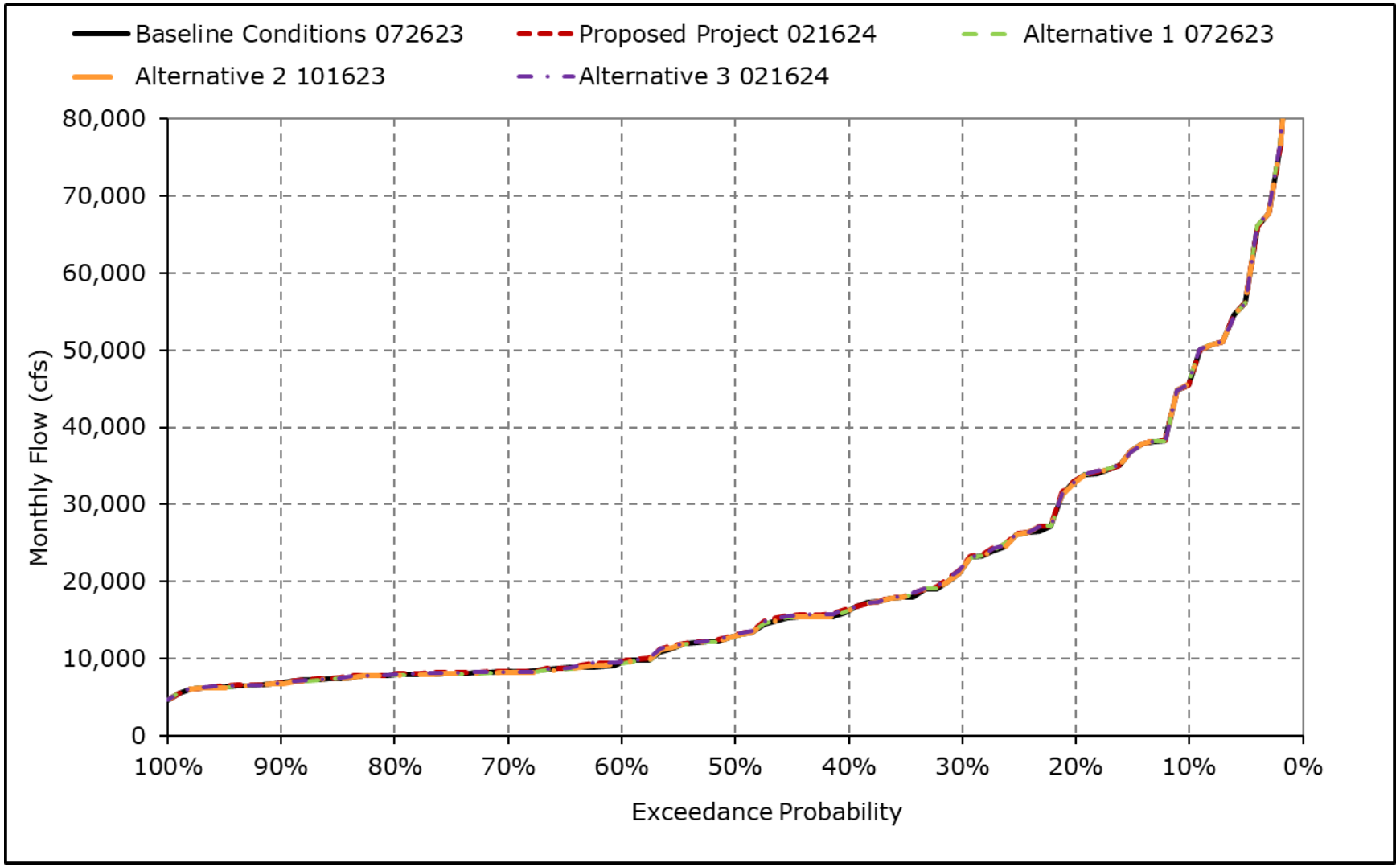
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



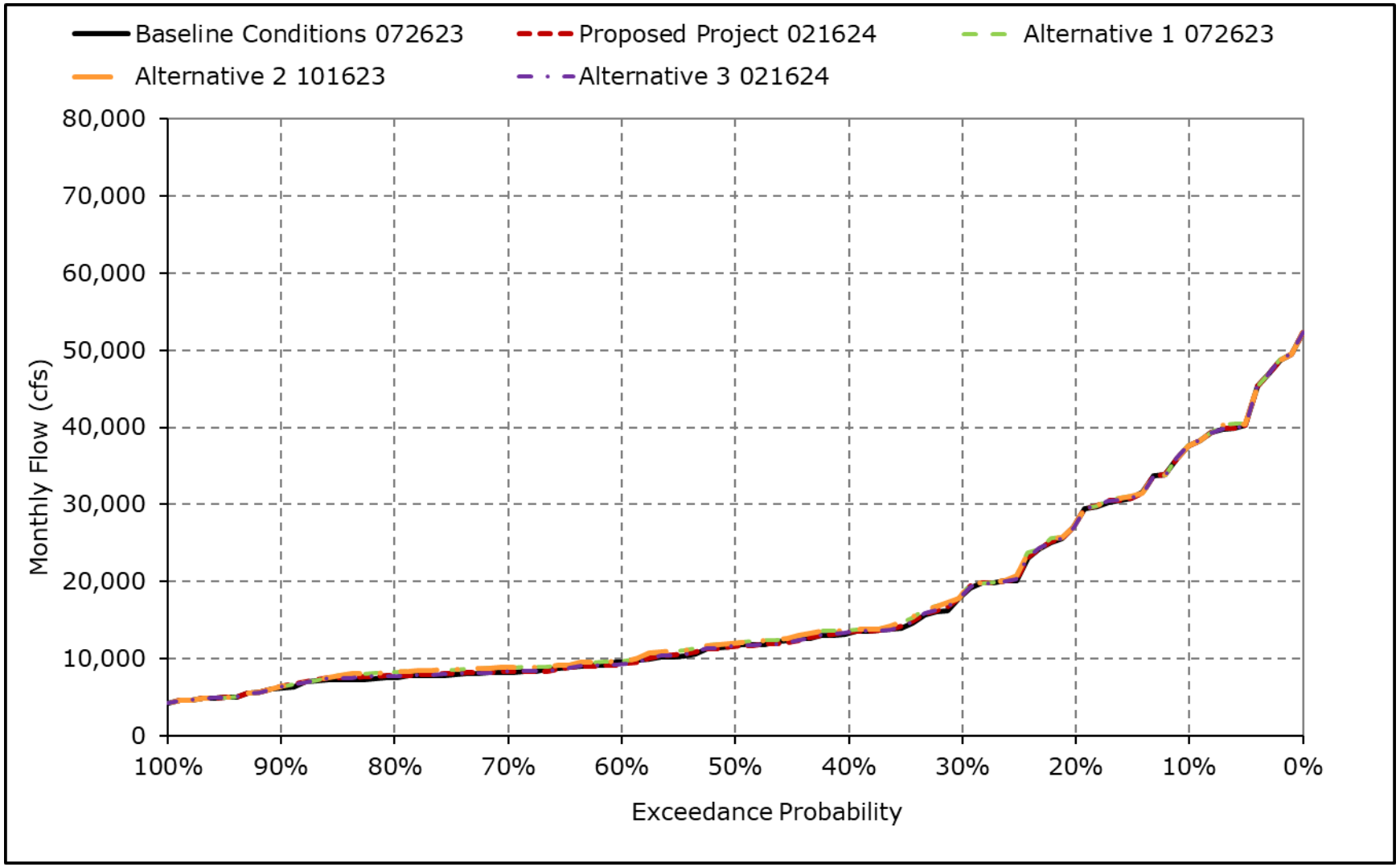
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



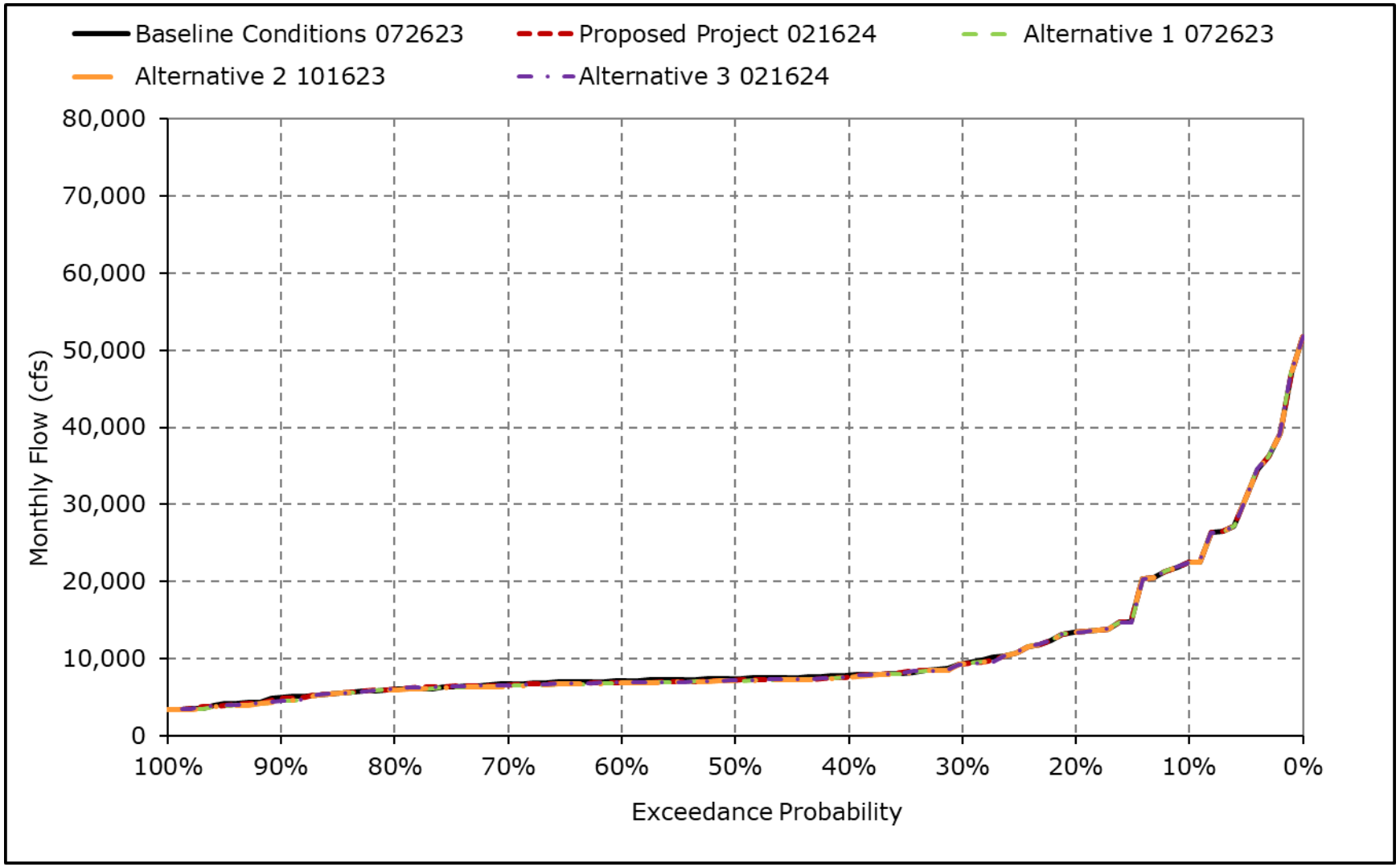
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



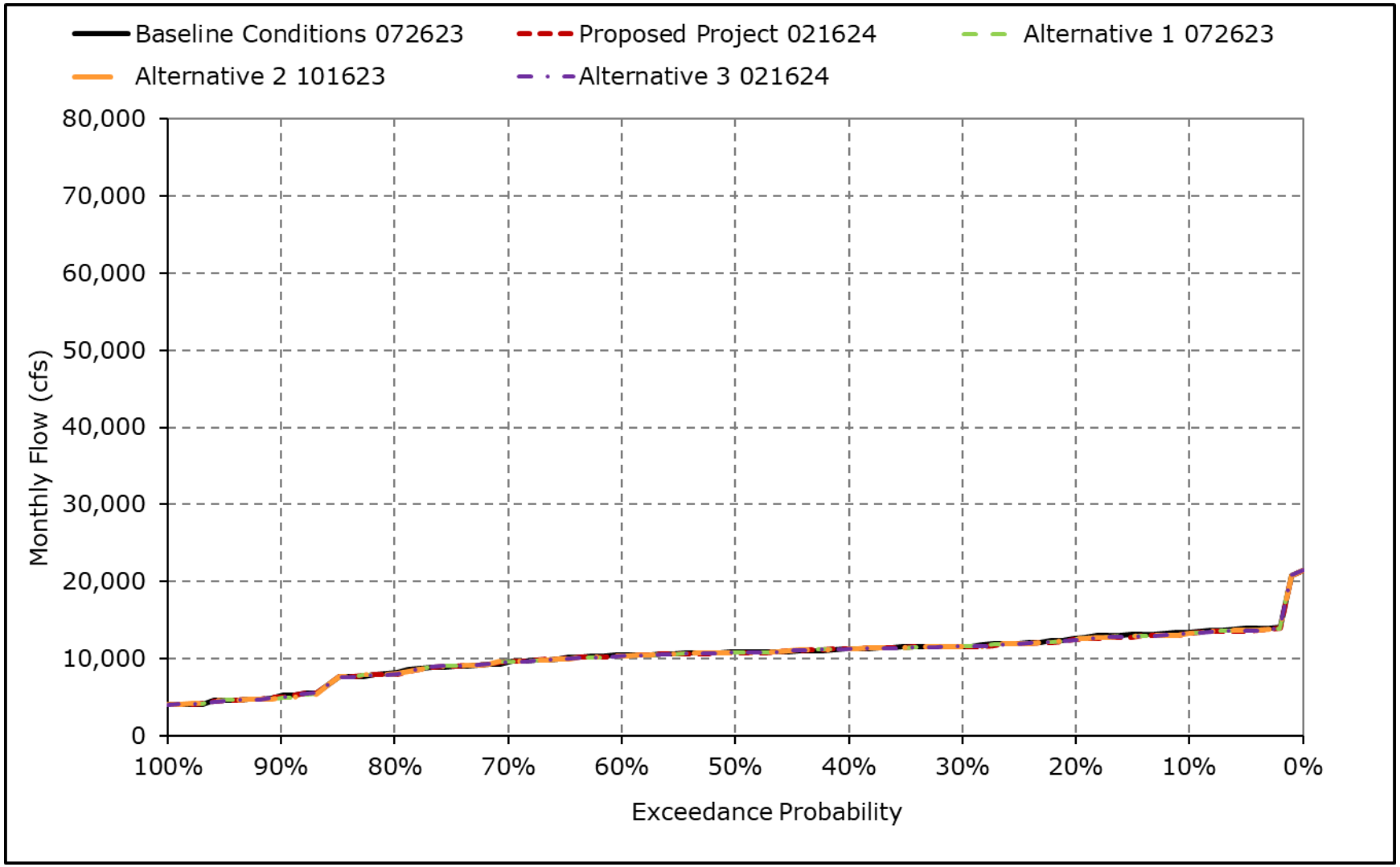
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



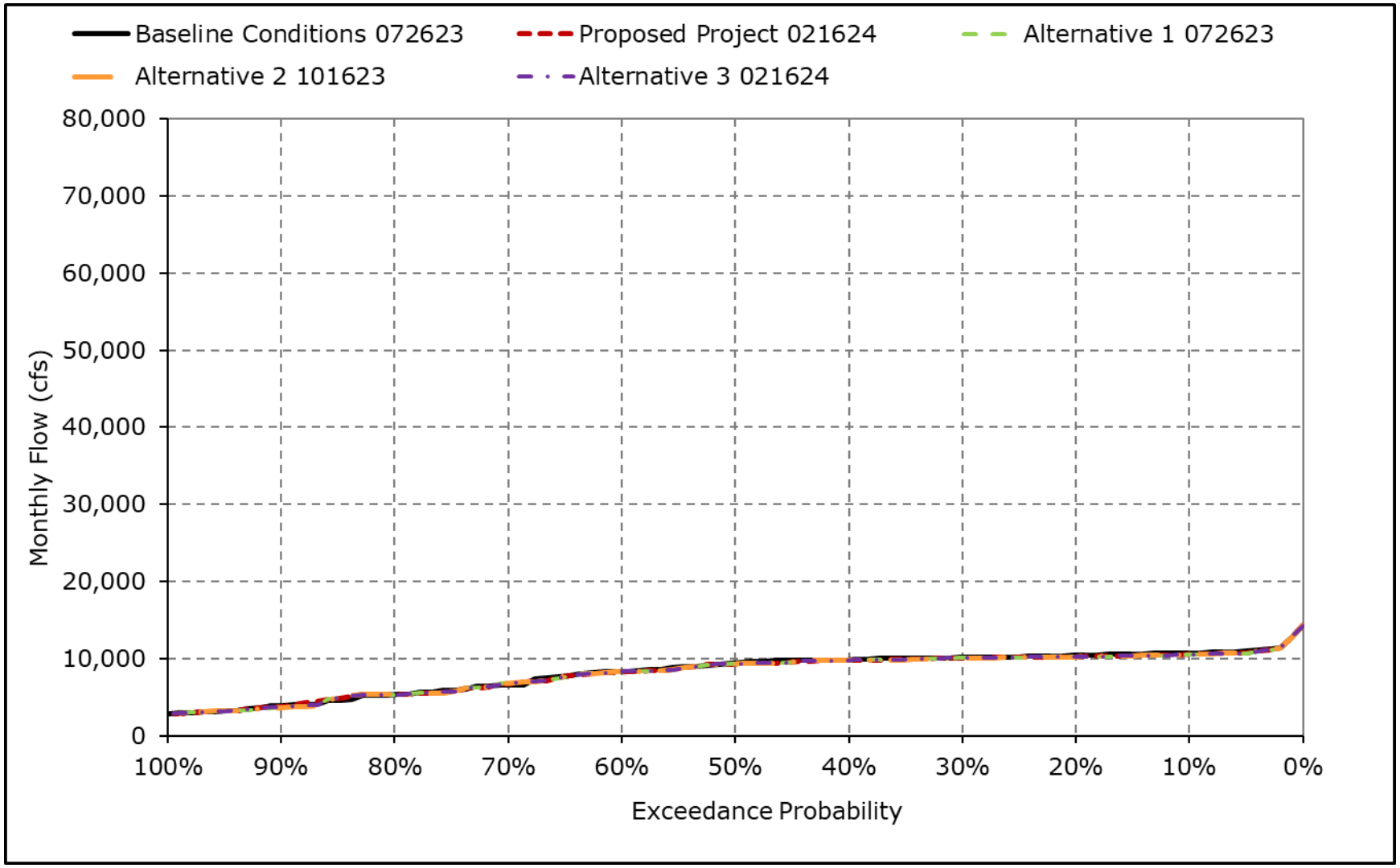
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



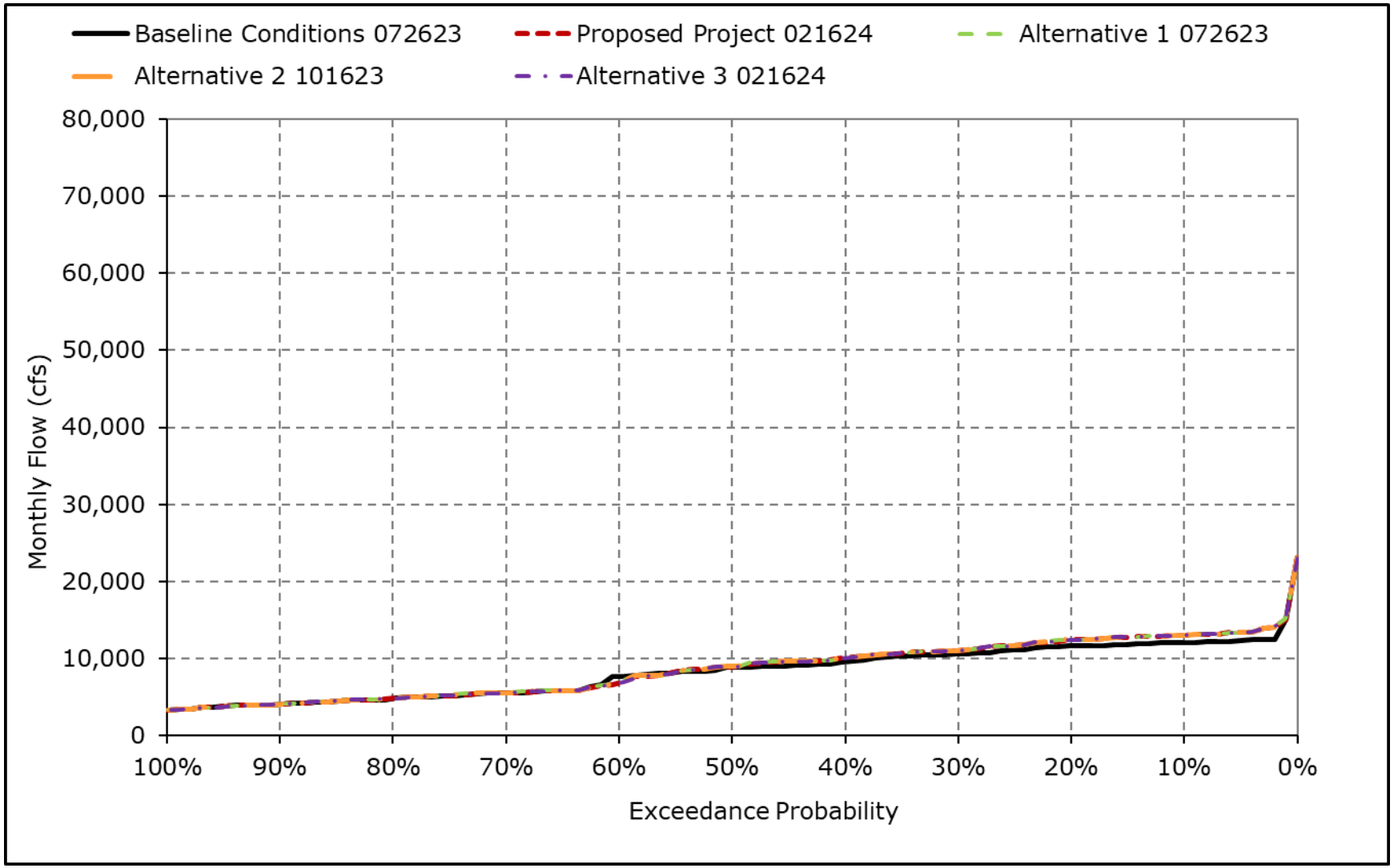
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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 072623, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	3,748	2,796	4,108	7,320	11,298	13,137	13,821	10,637	11,503	5,775	4,630	3,534
20% Exceedance	3,372	2,400	2,730	4,318	8,170	7,858	9,100	6,668	5,422	3,338	2,283	1,991
30% Exceedance	3,010	2,331	2,244	3,331	5,266	6,555	7,648	5,435	3,346	2,133	1,716	1,611
40% Exceedance	2,126	2,107	1,927	2,723	3,905	4,557	5,879	4,354	2,593	1,793	1,570	1,480
50% Exceedance	1,865	1,881	1,778	2,224	3,121	2,992	4,243	3,517	2,057	1,505	1,464	1,386
60% Exceedance	1,748	1,583	1,643	2,064	2,445	2,623	3,318	2,732	1,790	1,340	1,255	1,279
70% Exceedance	1,706	1,474	1,534	1,907	2,240	2,322	2,948	2,444	1,645	1,203	1,116	1,190
80% Exceedance	1,560	1,392	1,353	1,763	2,086	2,121	2,606	2,093	1,438	972	932	995
90% Exceedance	1,408	1,303	1,242	1,655	1,880	2,026	2,226	1,689	1,200	746	763	888
Full Simulation Period Average[a]	2,393	2,102	2,624	3,927	5,554	5,791	6,414	5,138	4,254	2,515	1,915	1,692
Wet Water Years (30%)	2,751	2,689	4,508	7,549	10,551	11,407	11,918	9,664	9,017	5,129	3,551	2,751
Above Normal Water Years (11%)	2,189	1,944	2,062	3,596	6,027	5,884	6,777	5,170	3,981	2,325	1,761	1,661
Below Normal Water Years (21%)	2,607	2,134	2,018	2,527	4,114	4,179	5,216	4,162	2,695	1,697	1,427	1,410
Dry Water Years (22%)	2,310	1,820	1,731	1,990	2,317	2,311	2,817	2,338	1,574	1,142	1,114	1,156
Critical Water Years (16%)	1,694	1,457	1,501	1,865	2,204	2,100	2,363	1,763	1,240	704	698	833

Table 4C-3-5-1b. San Joaquin River at Vernalis, Proposed Project 021624, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	3,745	2,793	4,107	7,318	11,295	13,141	13,786	10,634	11,498	5,771	4,627	3,532
20% Exceedance	3,369	2,400	2,728	4,316	8,167	7,854	9,100	6,667	5,419	3,338	2,280	1,990
30% Exceedance	3,006	2,327	2,232	3,329	5,263	6,552	7,645	5,432	3,344	2,125	1,714	1,596
40% Exceedance	2,124	2,105	1,924	2,719	3,903	4,554	5,874	4,352	2,590	1,790	1,556	1,476
50% Exceedance	1,864	1,878	1,776	2,221	3,117	2,988	4,241	3,513	2,057	1,499	1,463	1,383
60% Exceedance	1,744	1,579	1,641	2,063	2,440	2,621	3,316	2,726	1,785	1,325	1,246	1,265
70% Exceedance	1,677	1,466	1,529	1,904	2,240	2,318	2,946	2,442	1,639	1,196	1,090	1,154
80% Exceedance	1,566	1,373	1,352	1,761	2,080	2,120	2,601	2,087	1,434	964	924	993
90% Exceedance	1,428	1,314	1,253	1,654	1,876	2,022	2,224	1,686	1,187	738	760	872
Full Simulation Period Average[a]	2,390	2,099	2,618	3,922	5,552	5,788	6,411	5,133	4,249	2,508	1,904	1,684
Wet Water Years (30%)	2,743	2,685	4,502	7,544	10,547	11,402	11,912	9,655	9,012	5,125	3,547	2,748
Above Normal Water Years (11%)	2,181	1,937	2,055	3,591	6,030	5,881	6,785	5,167	3,978	2,322	1,760	1,659
Below Normal Water Years (21%)	2,606	2,132	2,016	2,524	4,111	4,176	5,212	4,158	2,691	1,688	1,415	1,402
Dry Water Years (22%)	2,306	1,814	1,723	1,984	2,312	2,308	2,812	2,333	1,569	1,129	1,082	1,140
Critical Water Years (16%)	1,701	1,462	1,496	1,861	2,200	2,097	2,361	1,761	1,235	699	693	827

Table 4C-3-5-1c. San Joaquin River at Vernalis, Proposed Project 021624 minus Baseline Conditions 072623, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-3	-3	0	-2	-3	3	-35	-4	-5	-4	-3	-2
20% Exceedance	-4	0	-3	-2	-2	-3	0	-2	-4	1	-3	-1
30% Exceedance	-3	-4	-12	-2	-3	-3	-3	-3	-3	-7	-2	-15
40% Exceedance	-3	-2	-3	-5	-2	-3	-5	-3	-3	-3	-14	-4
50% Exceedance	-2	-4	-2	-3	-4	-4	-2	-5	1	-6	-1	-3
60% Exceedance	-4	-4	-2	-1	-5	-2	-2	-6	-6	-15	-10	-14
70% Exceedance	-29	-7	-5	-3	0	-4	-1	-2	-6	-7	-26	-35
80% Exceedance	5	-19	-1	-3	-6	-1	-4	-6	-4	-8	-8	-2
90% Exceedance	20	11	11	-1	-4	-3	-2	-3	-13	-8	-3	-16
Full Simulation Period Average[a]	-3	-3	-6	-5	-3	-4	-3	-5	-5	-7	-11	-8
Wet Water Years (30%)	-8	-4	-6	-4	-3	-5	-6	-9	-5	-4	-4	-3
Above Normal Water Years (11%)	-8	-7	-7	-5	3	-3	7	-3	-3	-3	-1	-2
Below Normal Water Years (21%)	-1	-2	-2	-3	-3	-4	-4	-4	-4	-9	-11	-8
Dry Water Years (22%)	-5	-6	-8	-7	-5	-3	-4	-5	-6	-12	-32	-16
Critical Water Years (16%)	7	5	-5	-4	-4	-3	-2	-2	-4	-5	-5	-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-3-5-2a. San Joaquin River at Vernalis, Baseline Conditions 072623, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	3,748	2,796	4,108	7,320	11,298	13,137	13,821	10,637	11,503	5,775	4,630	3,534
20% Exceedance	3,372	2,400	2,730	4,318	8,170	7,858	9,100	6,668	5,422	3,338	2,283	1,991
30% Exceedance	3,010	2,331	2,244	3,331	5,266	6,555	7,648	5,435	3,346	2,133	1,716	1,611
40% Exceedance	2,126	2,107	1,927	2,723	3,905	4,557	5,879	4,354	2,593	1,793	1,570	1,480
50% Exceedance	1,865	1,881	1,778	2,224	3,121	2,992	4,243	3,517	2,057	1,505	1,464	1,386
60% Exceedance	1,748	1,583	1,643	2,064	2,445	2,623	3,318	2,732	1,790	1,340	1,255	1,279
70% Exceedance	1,706	1,474	1,534	1,907	2,240	2,322	2,948	2,444	1,645	1,203	1,116	1,190
80% Exceedance	1,560	1,392	1,353	1,763	2,086	2,121	2,606	2,093	1,438	972	932	995
90% Exceedance	1,408	1,303	1,242	1,655	1,880	2,026	2,226	1,689	1,200	746	763	888
Full Simulation Period Average[a]	2,393	2,102	2,624	3,927	5,554	5,791	6,414	5,138	4,254	2,515	1,915	1,692
Wet Water Years (30%)	2,751	2,689	4,508	7,549	10,551	11,407	11,918	9,664	9,017	5,129	3,551	2,751
Above Normal Water Years (11%)	2,189	1,944	2,062	3,596	6,027	5,884	6,777	5,170	3,981	2,325	1,761	1,661
Below Normal Water Years (21%)	2,607	2,134	2,018	2,527	4,114	4,179	5,216	4,162	2,695	1,697	1,427	1,410
Dry Water Years (22%)	2,310	1,820	1,731	1,990	2,317	2,311	2,817	2,338	1,574	1,142	1,114	1,156
Critical Water Years (16%)	1,694	1,457	1,501	1,865	2,204	2,100	2,363	1,763	1,240	704	698	833

Table 4C-3-5-2b. San Joaquin River at Vernalis, Alternative 1 072623, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	3,744	2,793	4,107	7,318	11,294	13,141	13,783	10,634	11,498	5,772	4,627	3,532
20% Exceedance	3,369	2,400	2,727	4,316	8,167	7,854	9,099	6,667	5,416	3,333	2,276	1,987
30% Exceedance	3,006	2,327	2,231	3,329	5,263	6,551	7,644	5,432	3,343	2,126	1,714	1,595
40% Exceedance	2,124	2,104	1,924	2,719	3,903	4,553	5,875	4,351	2,590	1,790	1,557	1,476
50% Exceedance	1,864	1,877	1,778	2,221	3,117	2,988	4,241	3,511	2,056	1,499	1,463	1,383
60% Exceedance	1,746	1,579	1,640	2,065	2,436	2,621	3,316	2,727	1,786	1,297	1,252	1,263
70% Exceedance	1,696	1,460	1,529	1,904	2,240	2,318	2,947	2,442	1,637	1,194	1,092	1,174
80% Exceedance	1,555	1,396	1,355	1,761	2,080	2,120	2,601	2,087	1,434	963	924	981
90% Exceedance	1,427	1,317	1,254	1,654	1,876	2,022	2,224	1,687	1,187	737	759	885
Full Simulation Period Average[a]	2,390	2,100	2,620	3,923	5,552	5,787	6,410	5,133	4,249	2,506	1,906	1,685
Wet Water Years (30%)	2,742	2,683	4,502	7,544	10,547	11,401	11,912	9,655	9,012	5,125	3,547	2,747
Above Normal Water Years (11%)	2,181	1,936	2,054	3,591	6,031	5,880	6,774	5,166	3,978	2,322	1,760	1,659
Below Normal Water Years (21%)	2,607	2,136	2,019	2,525	4,112	4,176	5,212	4,157	2,690	1,688	1,414	1,402
Dry Water Years (22%)	2,306	1,810	1,722	1,984	2,312	2,308	2,812	2,333	1,568	1,121	1,092	1,143
Critical Water Years (16%)	1,706	1,468	1,503	1,864	2,202	2,097	2,361	1,761	1,235	699	692	825

Table 4C-3-5-2c. San Joaquin River at Vernalis, Alternative 1 072623 minus Baseline Conditions 072623, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-4	-3	0	-2	-3	4	-38	-3	-6	-4	-3	-2
20% Exceedance	-4	0	-3	-2	-2	-3	0	-2	-6	-5	-7	-4
30% Exceedance	-4	-4	-13	-2	-3	-3	-4	-4	-3	-7	-2	-16
40% Exceedance	-3	-2	-3	-5	-2	-4	-4	-3	-3	-3	-13	-4
50% Exceedance	-1	-4	0	-3	-4	-4	-2	-6	-1	-6	-1	-3
60% Exceedance	-2	-4	-2	1	-9	-2	-2	-5	-5	-43	-4	-16
70% Exceedance	-10	-13	-5	-3	0	-4	-1	-1	-8	-10	-24	-16
80% Exceedance	-5	3	2	-3	-6	-1	-4	-6	-4	-9	-8	-14
90% Exceedance	19	14	12	-1	-4	-3	-2	-2	-13	-8	-4	-3
Full Simulation Period Average[a]	-3	-3	-4	-4	-3	-4	-4	-6	-5	-9	-10	-7
Wet Water Years (30%)	-9	-6	-6	-5	-4	-6	-6	-9	-5	-4	-4	-4
Above Normal Water Years (11%)	-9	-8	-7	-5	3	-4	-4	-4	-3	-4	-1	-2
Below Normal Water Years (21%)	0	2	1	-2	-2	-3	-4	-5	-5	-9	-12	-9
Dry Water Years (22%)	-4	-10	-10	-7	-4	-4	-4	-5	-6	-20	-21	-13
Critical Water Years (16%)	12	11	2	-1	-3	-3	-2	-2	-4	-5	-6	-8

[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 072623, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	3,748	2,796	4,108	7,320	11,298	13,137	13,821	10,637	11,503	5,775	4,630	3,534
20% Exceedance	3,372	2,400	2,730	4,318	8,170	7,858	9,100	6,668	5,422	3,338	2,283	1,991
30% Exceedance	3,010	2,331	2,244	3,331	5,266	6,555	7,648	5,435	3,346	2,133	1,716	1,611
40% Exceedance	2,126	2,107	1,927	2,723	3,905	4,557	5,879	4,354	2,593	1,793	1,570	1,480
50% Exceedance	1,865	1,881	1,778	2,224	3,121	2,992	4,243	3,517	2,057	1,505	1,464	1,386
60% Exceedance	1,748	1,583	1,643	2,064	2,445	2,623	3,318	2,732	1,790	1,340	1,255	1,279
70% Exceedance	1,706	1,474	1,534	1,907	2,240	2,322	2,948	2,444	1,645	1,203	1,116	1,190
80% Exceedance	1,560	1,392	1,353	1,763	2,086	2,121	2,606	2,093	1,438	972	932	995
90% Exceedance	1,408	1,303	1,242	1,655	1,880	2,026	2,226	1,689	1,200	746	763	888
Full Simulation Period Average[a]	2,393	2,102	2,624	3,927	5,554	5,791	6,414	5,138	4,254	2,515	1,915	1,692
Wet Water Years (30%)	2,751	2,689	4,508	7,549	10,551	11,407	11,918	9,664	9,017	5,129	3,551	2,751
Above Normal Water Years (11%)	2,189	1,944	2,062	3,596	6,027	5,884	6,777	5,170	3,981	2,325	1,761	1,661
Below Normal Water Years (21%)	2,607	2,134	2,018	2,527	4,114	4,179	5,216	4,162	2,695	1,697	1,427	1,410
Dry Water Years (22%)	2,310	1,820	1,731	1,990	2,317	2,311	2,817	2,338	1,574	1,142	1,114	1,156
Critical Water Years (16%)	1,694	1,457	1,501	1,865	2,204	2,100	2,363	1,763	1,240	704	698	833

Table 4C-3-5-3b. San Joaquin River at Vernalis, Alternative 2 101623, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	3,745	2,793	4,107	7,319	11,294	13,127	13,784	10,634	11,498	5,772	4,627	3,532
20% Exceedance	3,368	2,400	2,727	4,316	8,167	7,855	9,100	6,667	5,416	3,333	2,276	1,987
30% Exceedance	3,006	2,327	2,238	3,329	5,263	6,551	7,645	5,432	3,343	2,126	1,714	1,596
40% Exceedance	2,124	2,105	1,924	2,719	3,903	4,554	5,875	4,351	2,590	1,790	1,557	1,476
50% Exceedance	1,865	1,878	1,776	2,221	3,117	2,988	4,241	3,513	2,056	1,499	1,463	1,383
60% Exceedance	1,746	1,579	1,640	2,063	2,442	2,621	3,316	2,727	1,783	1,303	1,239	1,264
70% Exceedance	1,685	1,464	1,529	1,904	2,240	2,317	2,946	2,442	1,639	1,197	1,093	1,181
80% Exceedance	1,572	1,388	1,361	1,761	2,080	2,120	2,601	2,087	1,434	965	906	975
90% Exceedance	1,422	1,320	1,252	1,654	1,876	2,022	2,224	1,687	1,187	737	759	873
Full Simulation Period Average[a]	2,390	2,100	2,620	3,923	5,552	5,787	6,410	5,133	4,249	2,507	1,905	1,685
Wet Water Years (30%)	2,741	2,683	4,503	7,545	10,547	11,401	11,912	9,655	9,012	5,125	3,547	2,747
Above Normal Water Years (11%)	2,184	1,936	2,053	3,591	6,030	5,880	6,774	5,166	3,978	2,321	1,760	1,659
Below Normal Water Years (21%)	2,606	2,132	2,016	2,524	4,111	4,176	5,212	4,158	2,691	1,688	1,415	1,402
Dry Water Years (22%)	2,304	1,810	1,722	1,984	2,313	2,308	2,812	2,333	1,568	1,126	1,090	1,145
Critical Water Years (16%)	1,709	1,476	1,506	1,865	2,202	2,097	2,361	1,761	1,235	699	689	824

Table 4C-3-5-3c. San Joaquin River at Vernalis, Alternative 2 101623 minus Baseline Conditions 072623, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-4	-3	0	-1	-3	-10	-37	-3	-6	-4	-3	-2
20% Exceedance	-4	0	-3	-2	-2	-3	0	-1	-6	-5	-7	-4
30% Exceedance	-4	-4	-5	-2	-3	-3	-3	-3	-3	-7	-2	-14
40% Exceedance	-3	-2	-3	-4	-2	-3	-4	-3	-3	-3	-13	-4
50% Exceedance	0	-4	-2	-3	-4	-4	-2	-4	-1	-6	-1	-3
60% Exceedance	-2	-4	-3	-1	-3	-2	-2	-5	-7	-37	-17	-14
70% Exceedance	-21	-9	-5	-3	0	-4	-1	-1	-5	-7	-23	-8
80% Exceedance	11	-4	8	-2	-6	-1	-4	-6	-5	-7	-26	-20
90% Exceedance	14	16	10	-1	-4	-3	-2	-3	-13	-8	-3	-15
Full Simulation Period Average[a]	-3	-2	-4	-4	-3	-4	-4	-5	-5	-8	-10	-7
Wet Water Years (30%)	-10	-6	-5	-4	-3	-6	-6	-9	-5	-4	-4	-3
Above Normal Water Years (11%)	-6	-8	-9	-6	3	-5	-4	-3	-3	-4	-1	-2
Below Normal Water Years (21%)	-1	-2	-2	-2	-3	-4	-4	-4	-4	-9	-12	-8
Dry Water Years (22%)	-6	-10	-9	-6	-4	-4	-4	-5	-6	-16	-24	-12
Critical Water Years (16%)	15	18	5	0	-2	-3	-2	-2	-4	-4	-9	-10

[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 072623, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	3,748	2,796	4,108	7,320	11,298	13,137	13,821	10,637	11,503	5,775	4,630	3,534
20% Exceedance	3,372	2,400	2,730	4,318	8,170	7,858	9,100	6,668	5,422	3,338	2,283	1,991
30% Exceedance	3,010	2,331	2,244	3,331	5,266	6,555	7,648	5,435	3,346	2,133	1,716	1,611
40% Exceedance	2,126	2,107	1,927	2,723	3,905	4,557	5,879	4,354	2,593	1,793	1,570	1,480
50% Exceedance	1,865	1,881	1,778	2,224	3,121	2,992	4,243	3,517	2,057	1,505	1,464	1,386
60% Exceedance	1,748	1,583	1,643	2,064	2,445	2,623	3,318	2,732	1,790	1,340	1,255	1,279
70% Exceedance	1,706	1,474	1,534	1,907	2,240	2,322	2,948	2,444	1,645	1,203	1,116	1,190
80% Exceedance	1,560	1,392	1,353	1,763	2,086	2,121	2,606	2,093	1,438	972	932	995
90% Exceedance	1,408	1,303	1,242	1,655	1,880	2,026	2,226	1,689	1,200	746	763	888
Full Simulation Period Average[a]	2,393	2,102	2,624	3,927	5,554	5,791	6,414	5,138	4,254	2,515	1,915	1,692
Wet Water Years (30%)	2,751	2,689	4,508	7,549	10,551	11,407	11,918	9,664	9,017	5,129	3,551	2,751
Above Normal Water Years (11%)	2,189	1,944	2,062	3,596	6,027	5,884	6,777	5,170	3,981	2,325	1,761	1,661
Below Normal Water Years (21%)	2,607	2,134	2,018	2,527	4,114	4,179	5,216	4,162	2,695	1,697	1,427	1,410
Dry Water Years (22%)	2,310	1,820	1,731	1,990	2,317	2,311	2,817	2,338	1,574	1,142	1,114	1,156
Critical Water Years (16%)	1,694	1,457	1,501	1,865	2,204	2,100	2,363	1,763	1,240	704	698	833

Table 4C-3-5-4b. San Joaquin River at Vernalis, Alternative 3 021624, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	3,745	2,793	4,107	7,319	11,294	13,130	13,785	10,634	11,498	5,771	4,627	3,532
20% Exceedance	3,368	2,400	2,728	4,316	8,167	7,854	9,100	6,667	5,418	3,339	2,280	1,990
30% Exceedance	3,006	2,327	2,232	3,329	5,263	6,551	7,645	5,432	3,341	2,126	1,714	1,596
40% Exceedance	2,124	2,104	1,924	2,719	3,903	4,554	5,874	4,351	2,590	1,790	1,556	1,475
50% Exceedance	1,865	1,878	1,776	2,221	3,117	2,988	4,241	3,513	2,057	1,499	1,463	1,383
60% Exceedance	1,746	1,579	1,641	2,063	2,445	2,621	3,315	2,726	1,785	1,300	1,243	1,264
70% Exceedance	1,676	1,466	1,529	1,904	2,240	2,318	2,946	2,442	1,639	1,196	1,090	1,157
80% Exceedance	1,566	1,361	1,355	1,761	2,080	2,120	2,602	2,087	1,434	961	924	993
90% Exceedance	1,427	1,320	1,253	1,654	1,876	2,022	2,224	1,686	1,196	739	754	872
Full Simulation Period Average[a]	2,390	2,100	2,620	3,923	5,552	5,787	6,411	5,133	4,249	2,507	1,903	1,684
Wet Water Years (30%)	2,743	2,684	4,504	7,545	10,547	11,401	11,912	9,655	9,012	5,125	3,547	2,748
Above Normal Water Years (11%)	2,181	1,937	2,056	3,592	6,033	5,880	6,784	5,167	3,978	2,322	1,760	1,659
Below Normal Water Years (21%)	2,606	2,132	2,016	2,524	4,111	4,176	5,212	4,157	2,691	1,688	1,415	1,402
Dry Water Years (22%)	2,305	1,813	1,723	1,984	2,312	2,307	2,812	2,333	1,568	1,126	1,080	1,139
Critical Water Years (16%)	1,705	1,467	1,501	1,864	2,201	2,097	2,361	1,761	1,236	699	692	826

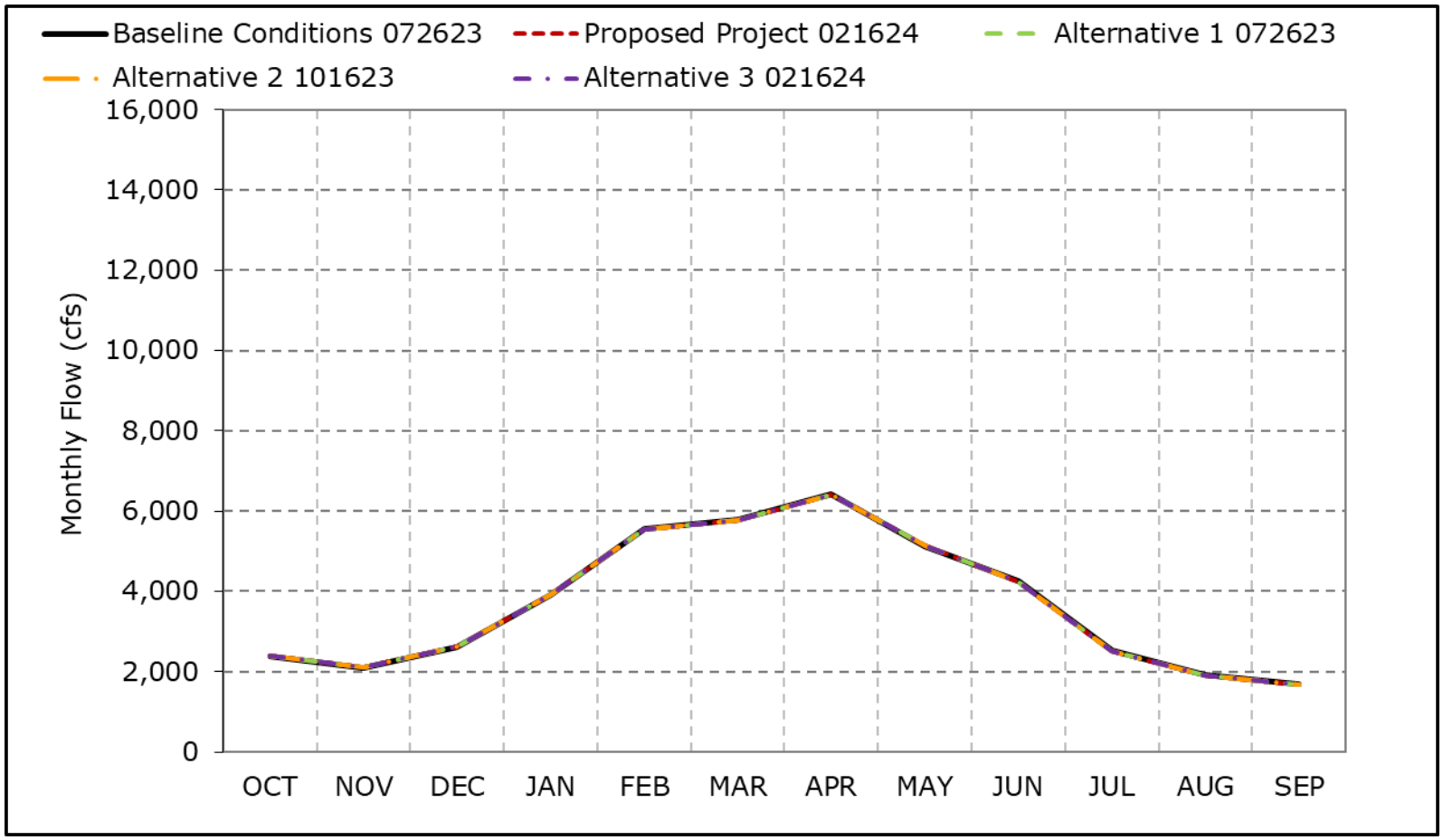
Table 4C-3-5-4c. San Joaquin River at Vernalis, Alternative 3 021624 minus Baseline Conditions 072623, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-3	-3	0	-2	-3	-7	-36	-4	-6	-4	-3	-3
20% Exceedance	-4	0	-3	-2	-2	-3	0	-2	-4	1	-3	-1
30% Exceedance	-4	-4	-12	-2	-3	-3	-3	-3	-5	-7	-2	-15
40% Exceedance	-3	-3	-3	-5	-2	-3	-5	-3	-3	-3	-14	-5
50% Exceedance	0	-4	-2	-3	-4	-4	-2	-5	1	-6	-1	-3
60% Exceedance	-3	-4	-2	-1	1	-2	-2	-6	-6	-40	-13	-14
70% Exceedance	-30	-8	-5	-3	0	-4	-1	-2	-6	-7	-26	-33
80% Exceedance	6	-31	1	-3	-6	-1	-4	-6	-4	-11	-8	-2
90% Exceedance	19	17	11	-1	-4	-3	-2	-3	-4	-7	-9	-16
Full Simulation Period Average[a]	-3	-3	-4	-4	-2	-4	-3	-5	-5	-8	-12	-8
Wet Water Years (30%)	-8	-5	-4	-4	-3	-5	-6	-9	-5	-4	-4	-3
Above Normal Water Years (11%)	-9	-7	-6	-5	6	-4	7	-3	-3	-3	-1	-2
Below Normal Water Years (21%)	0	-2	-2	-3	-3	-4	-4	-5	-4	-9	-12	-8
Dry Water Years (22%)	-5	-6	-8	-6	-4	-4	-4	-5	-6	-15	-33	-17
Critical Water Years (16%)	11	10	0	-2	-3	-3	-2	-2	-4	-5	-6	-7

[a] Based on the 100-year simulation period.

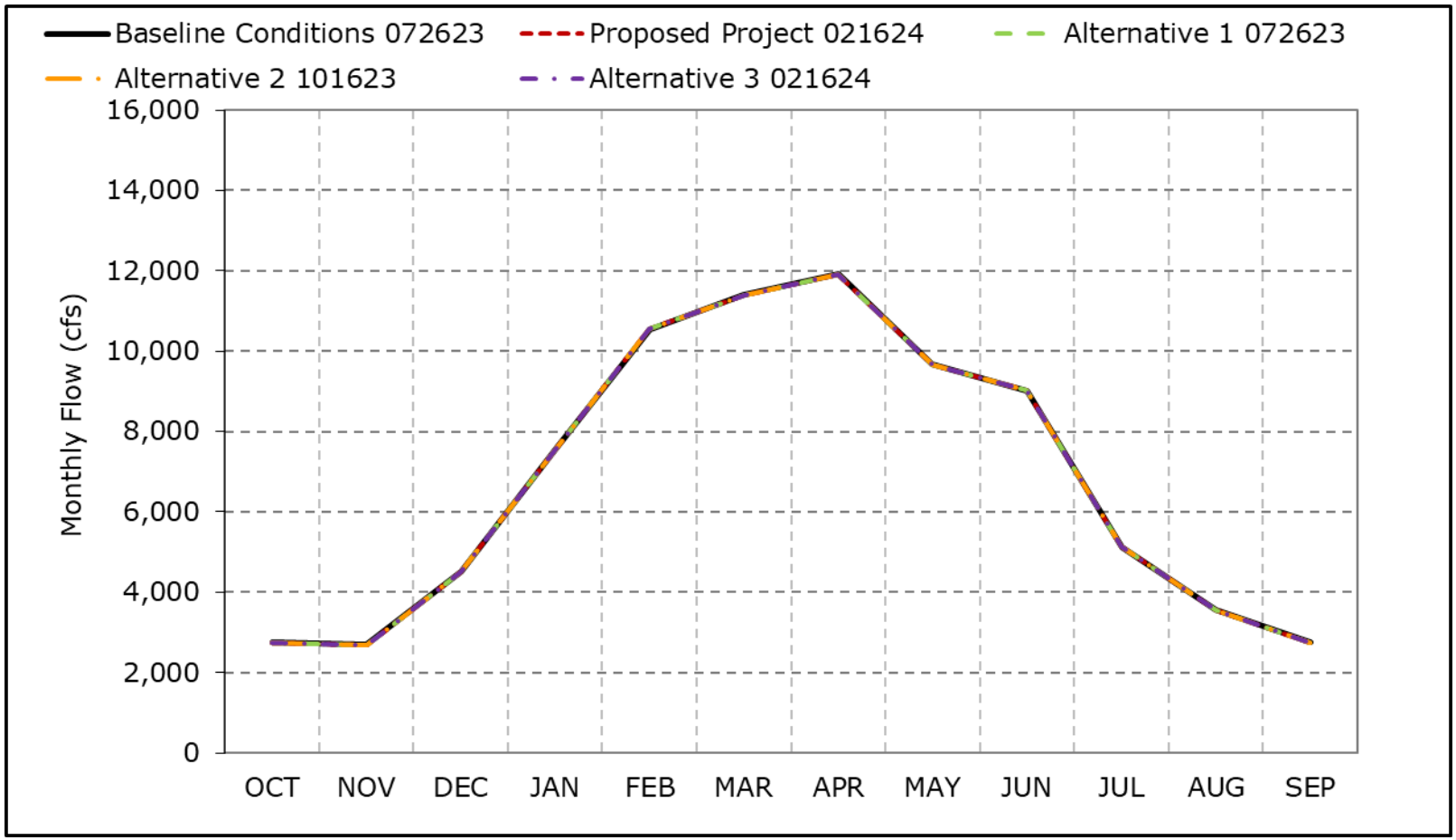
* All scenarios are simulated at current climate condition and 0 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with water year - year type sorting.

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



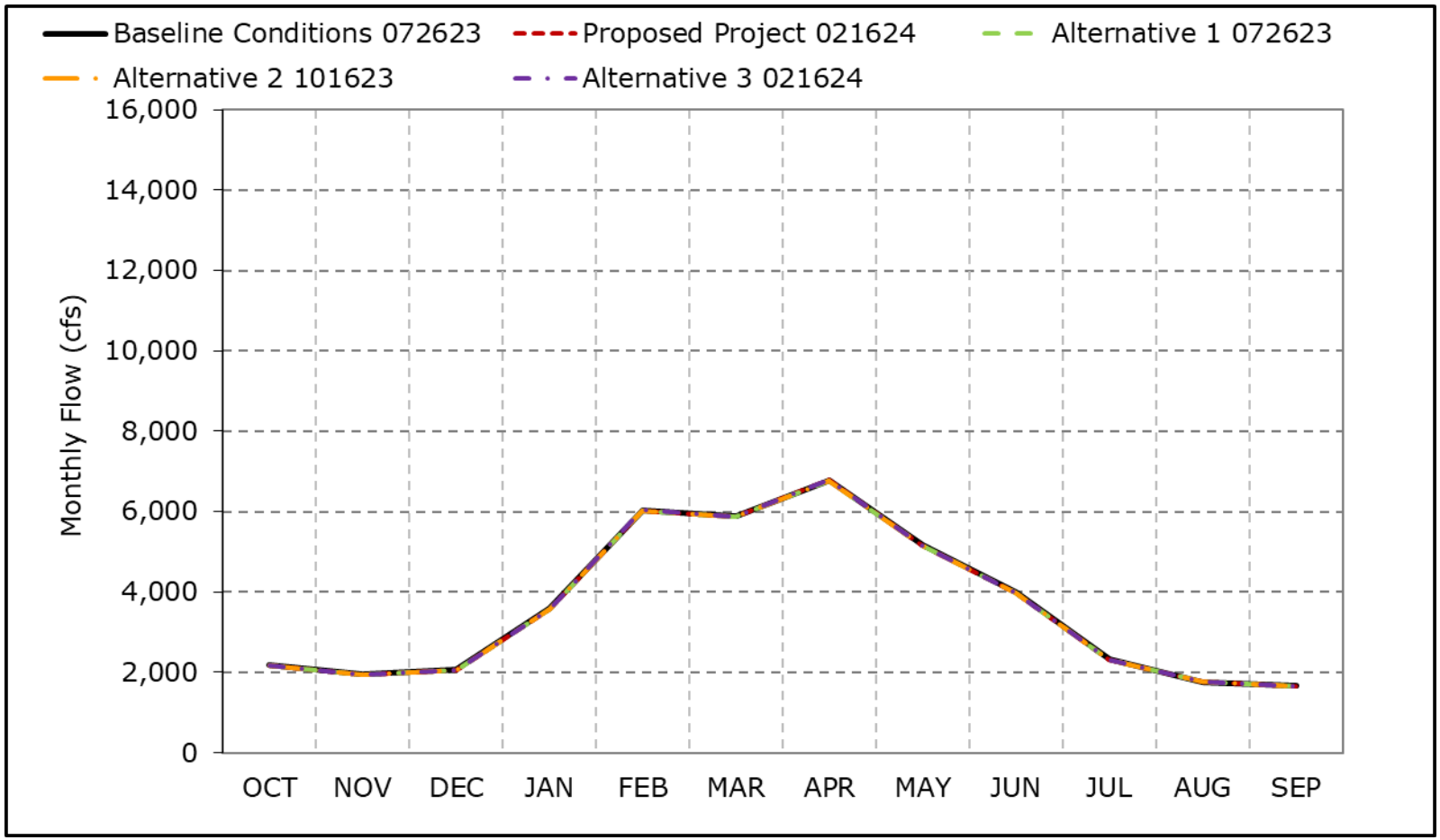
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



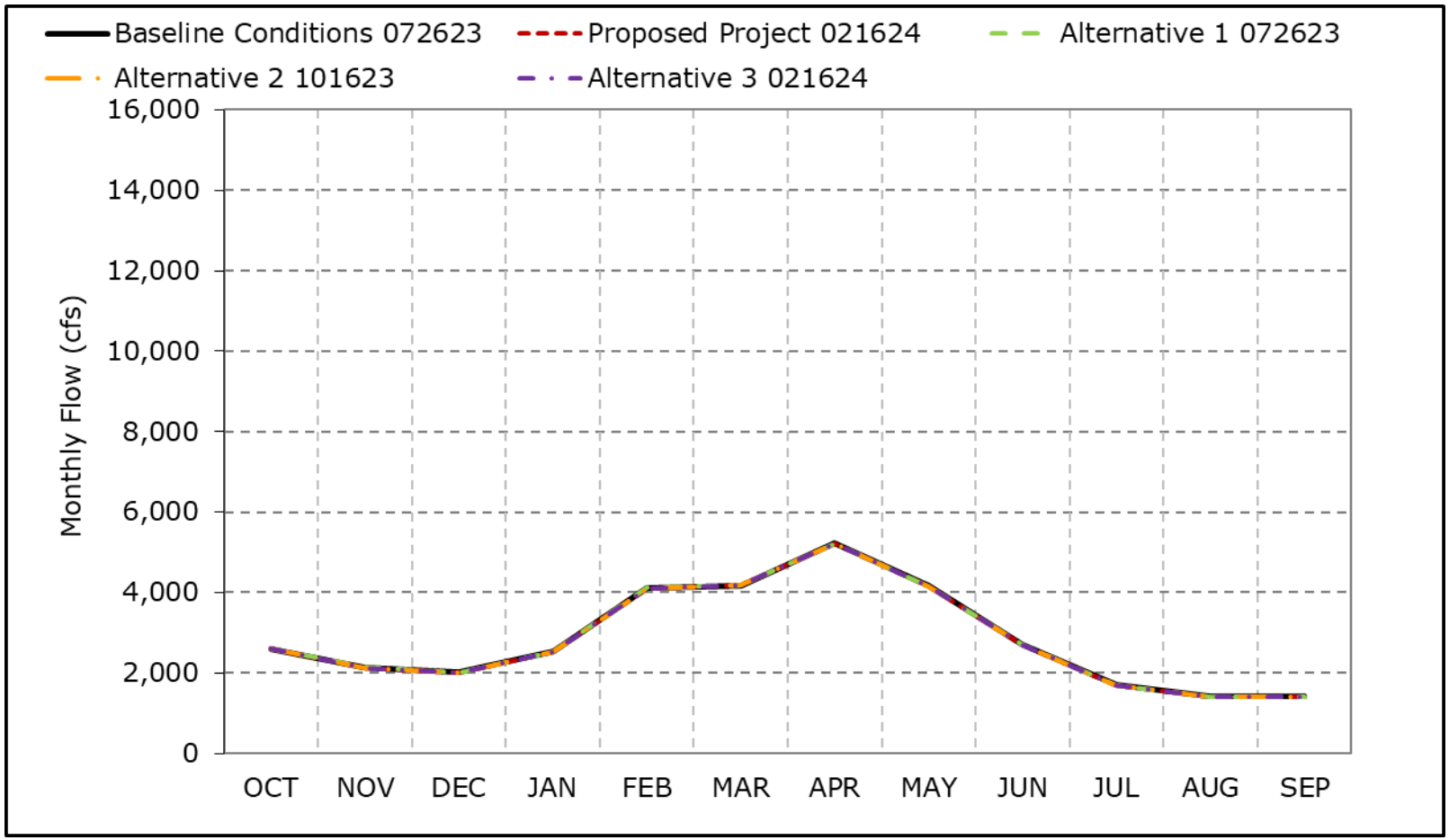
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



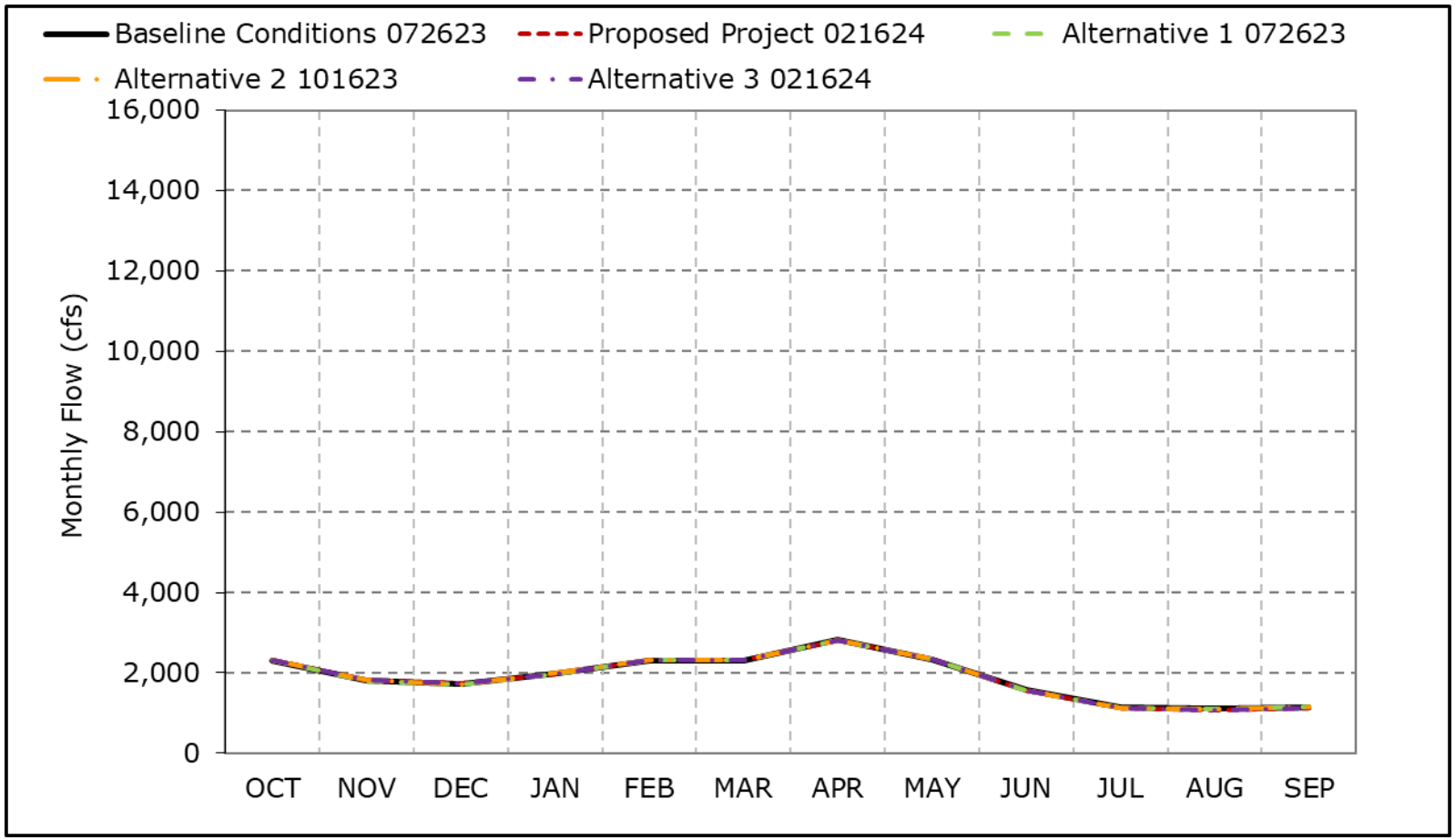
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



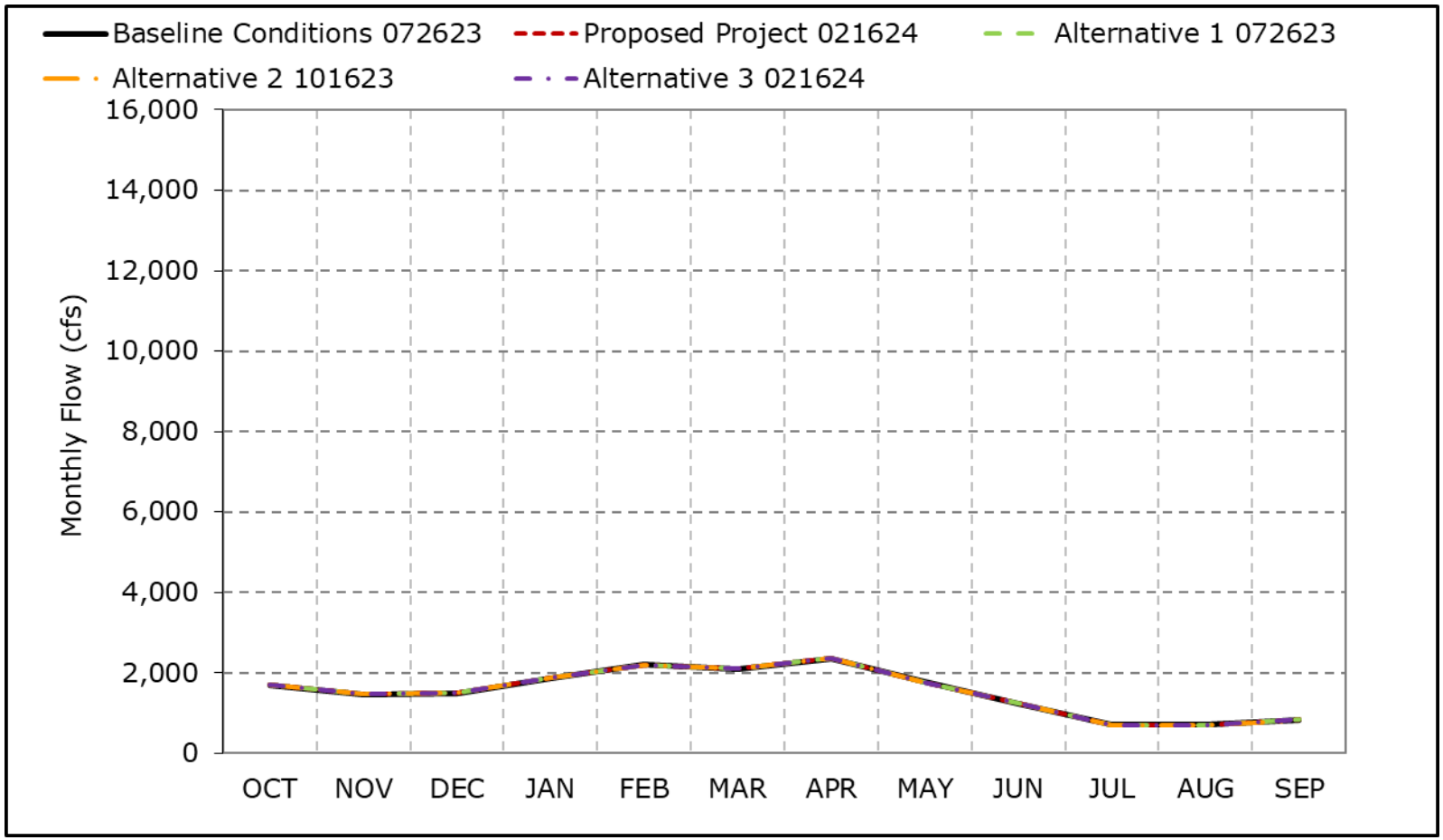
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



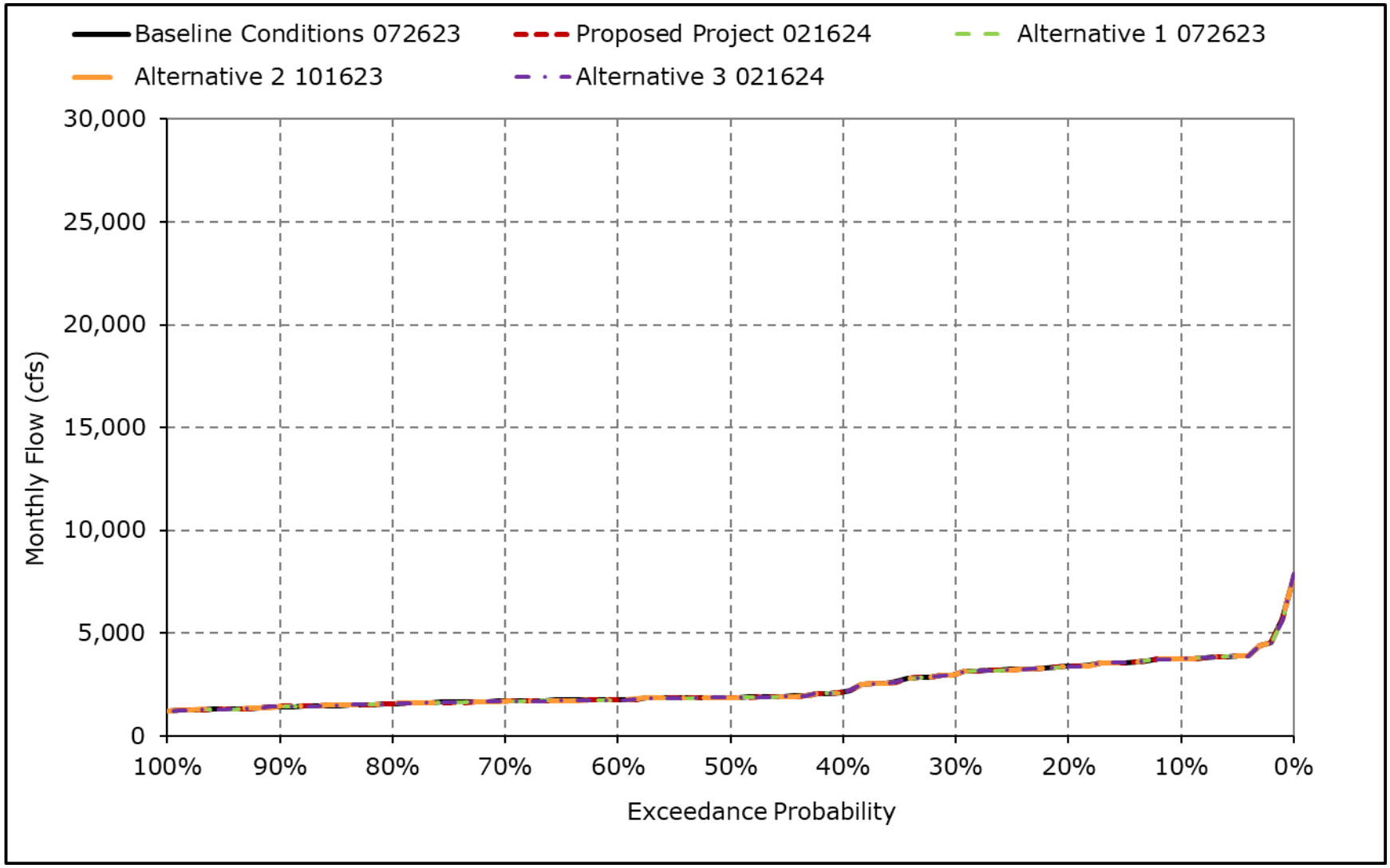
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



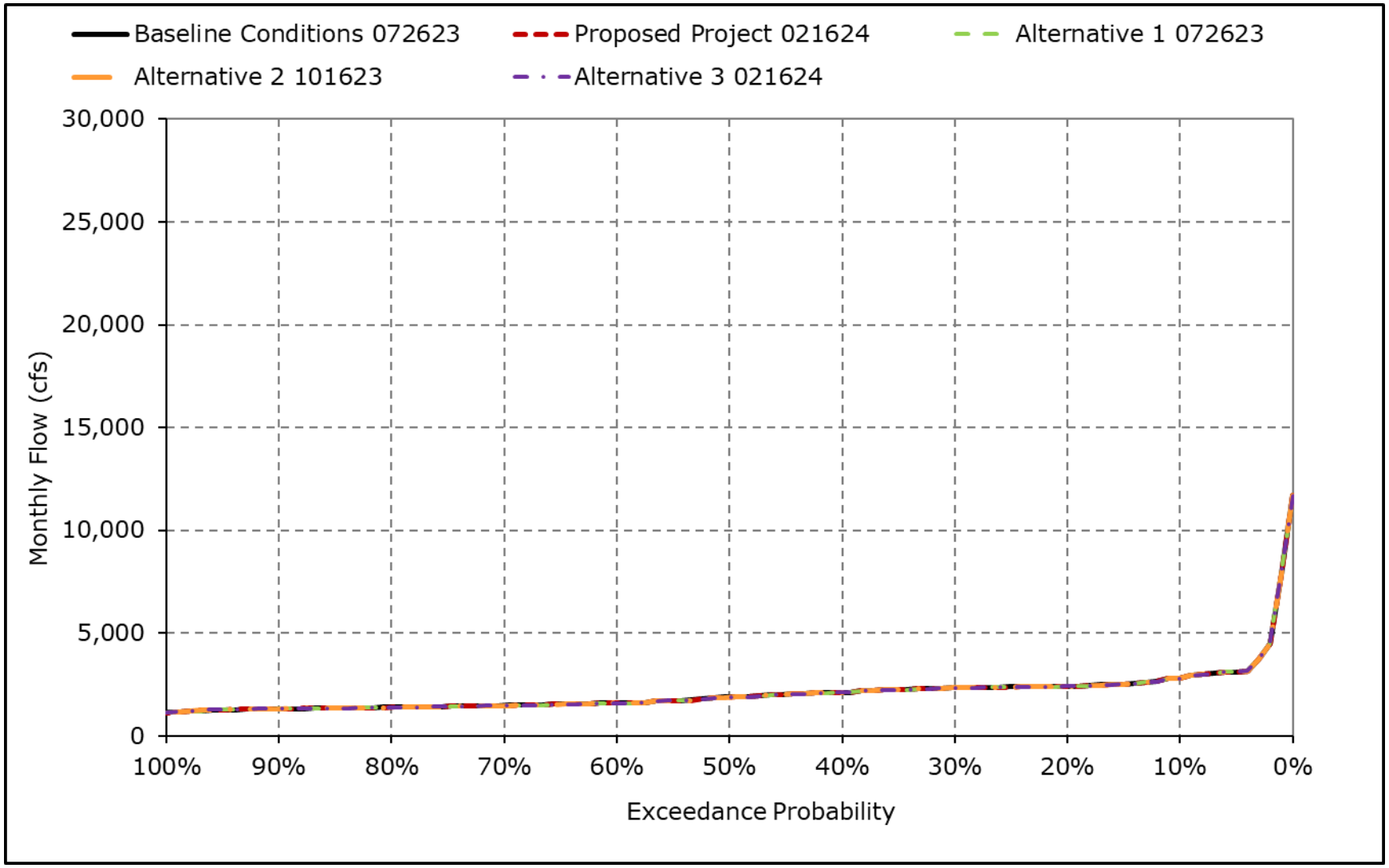
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



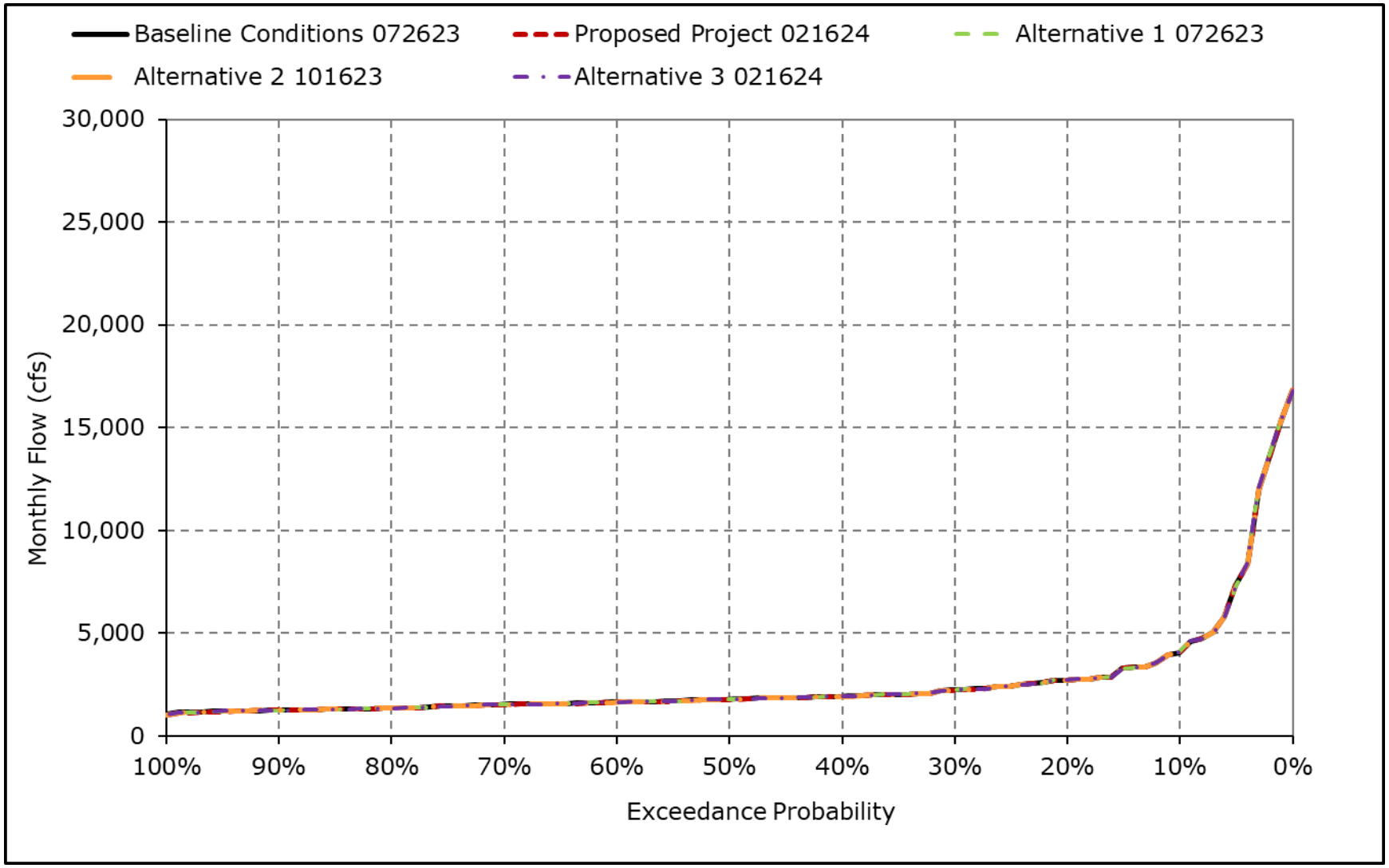
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



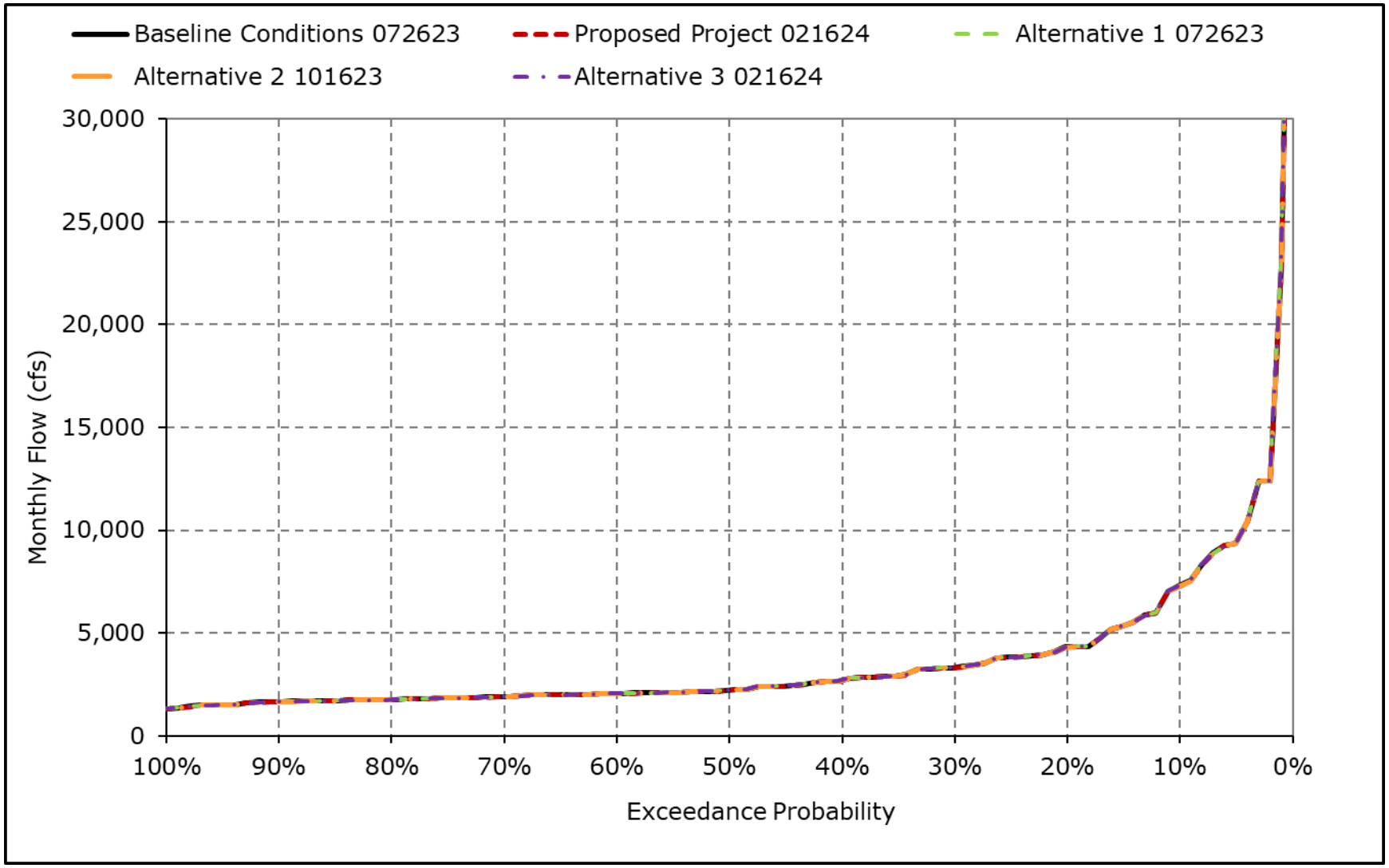
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



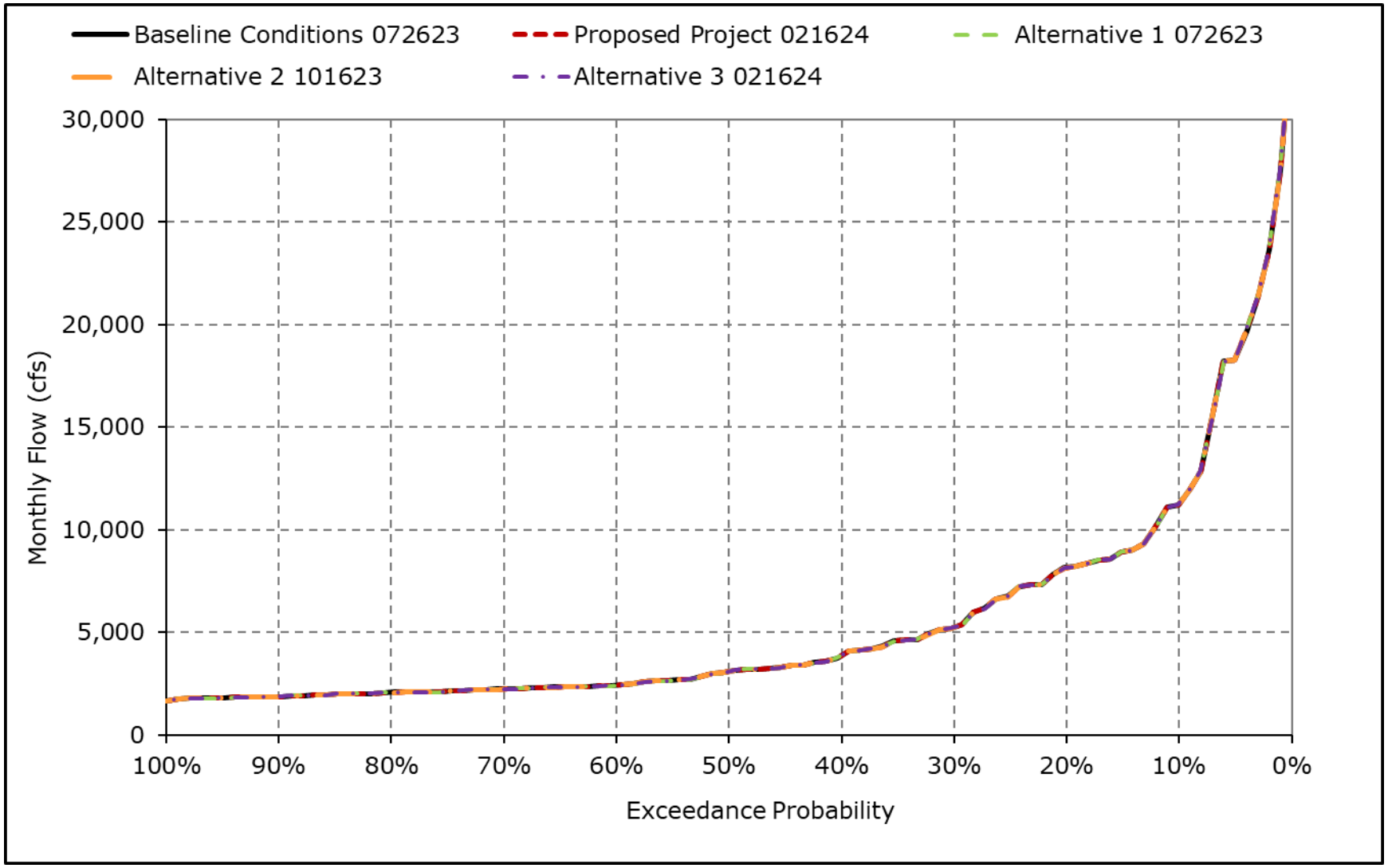
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



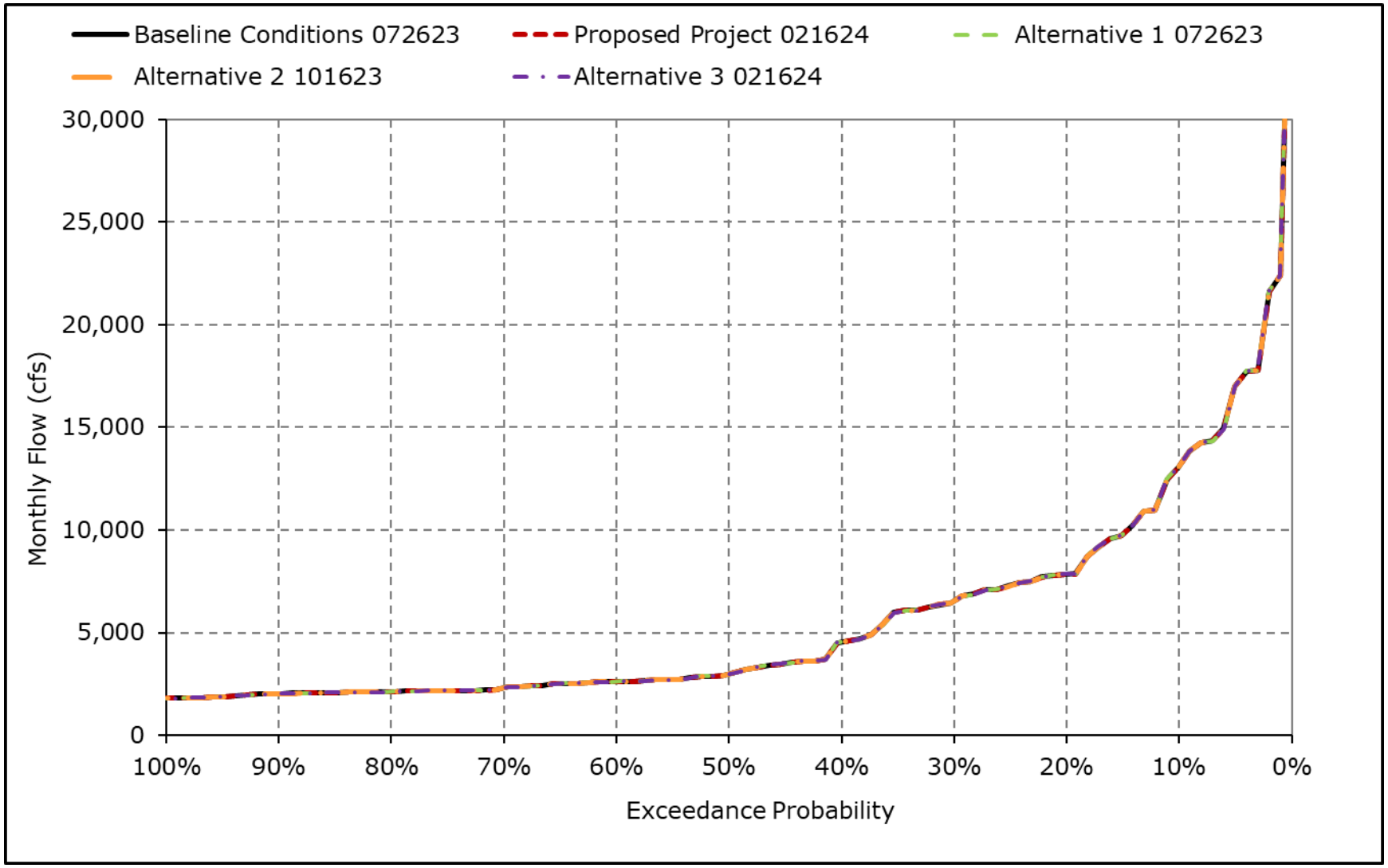
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



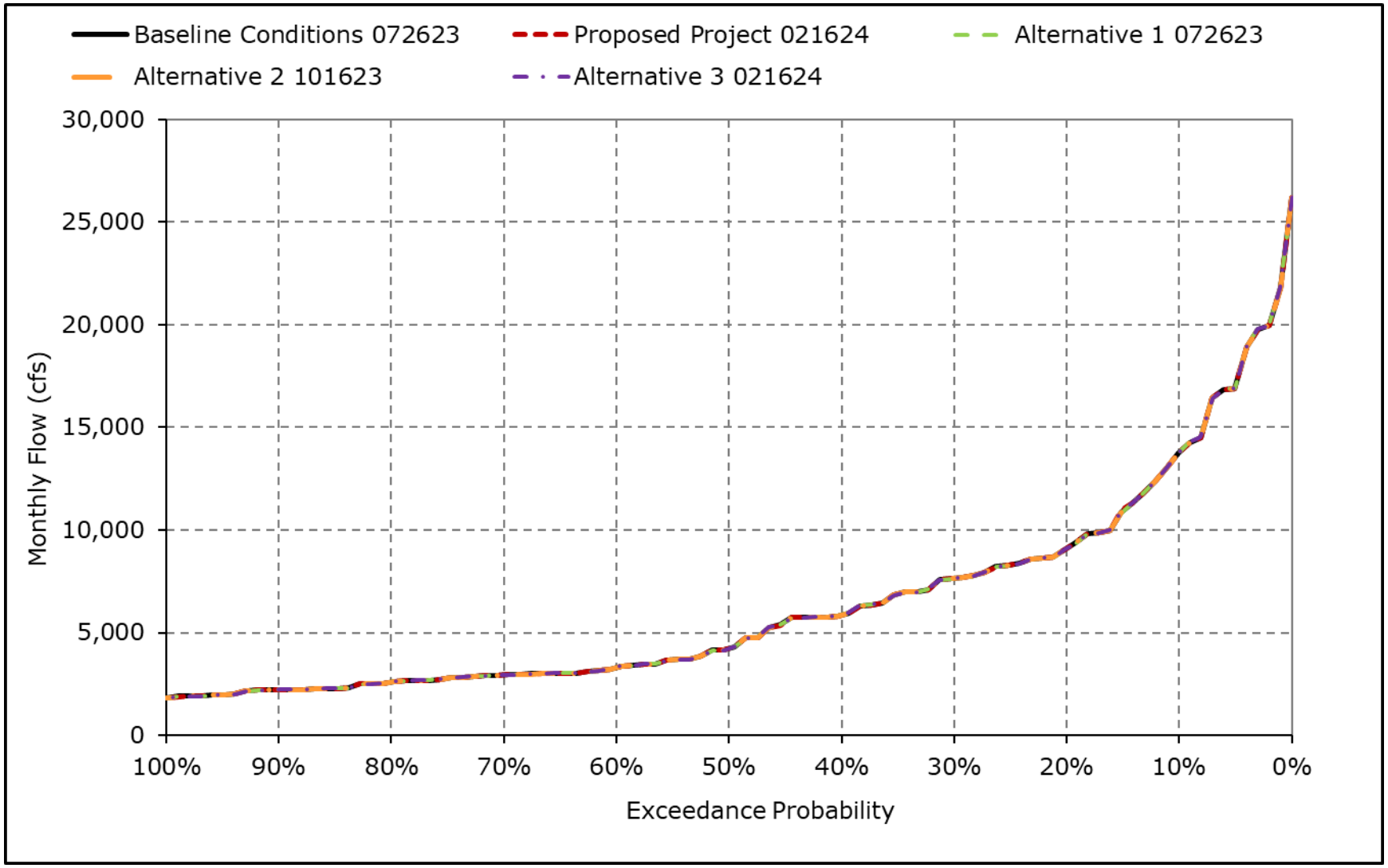
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



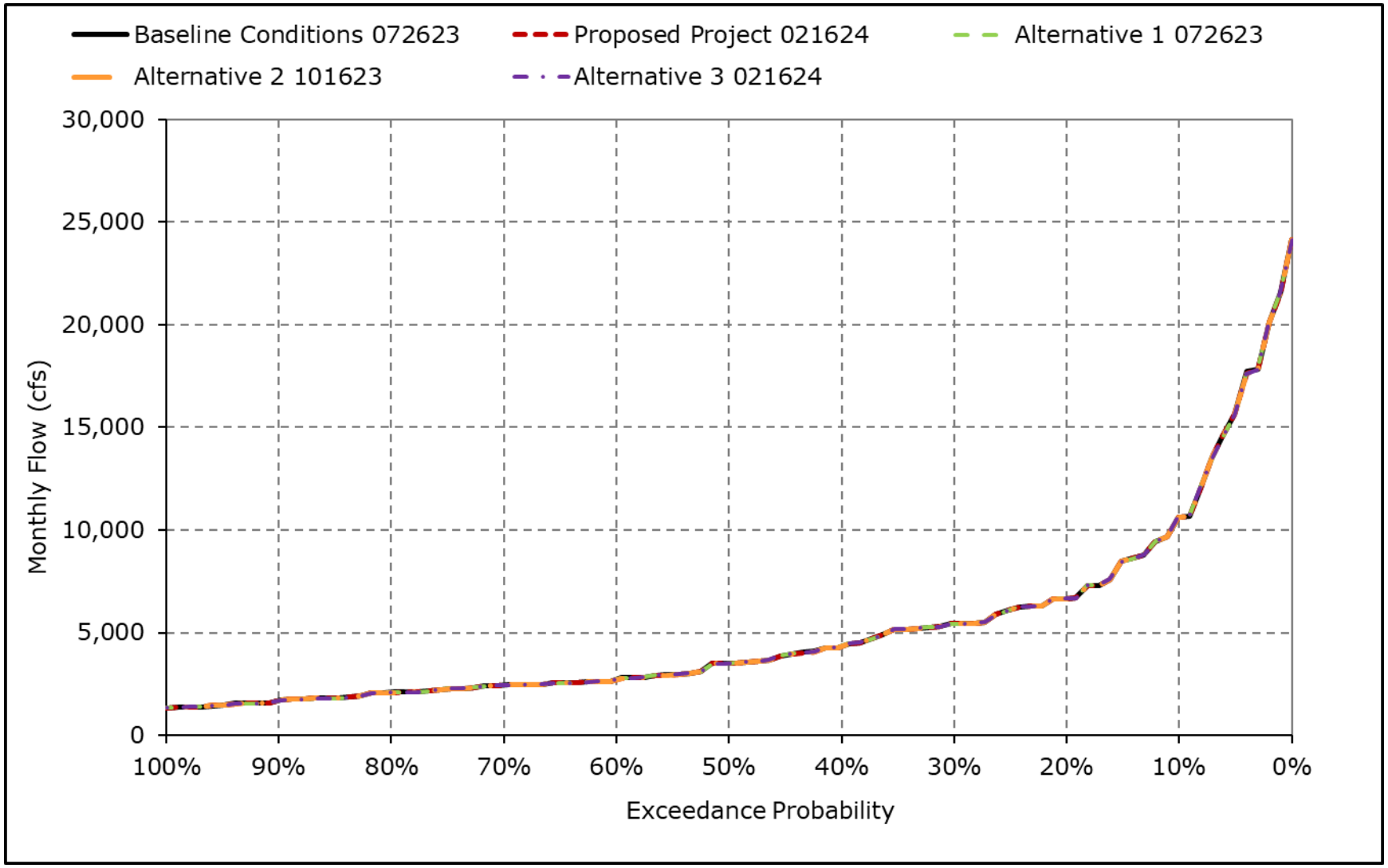
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



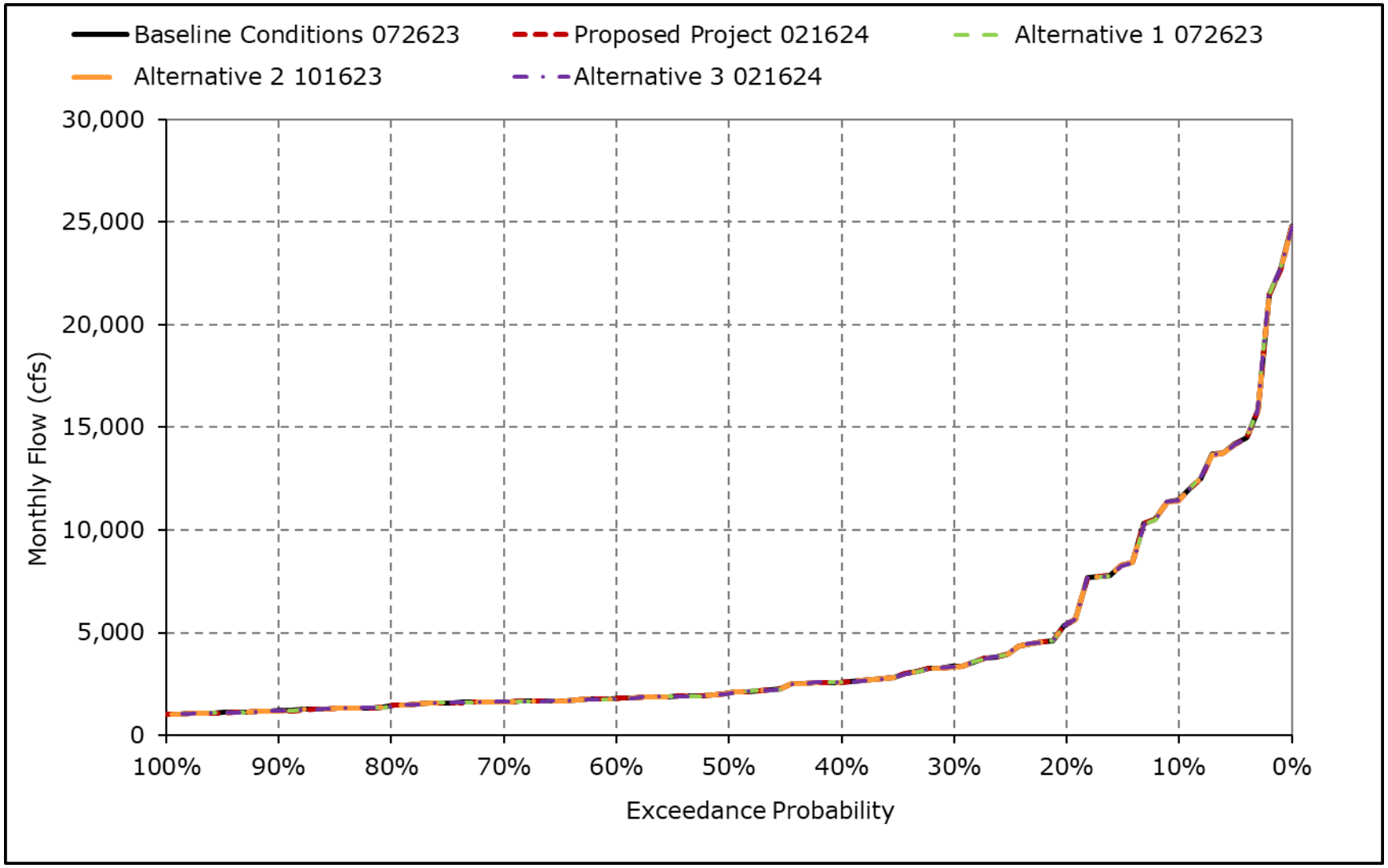
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



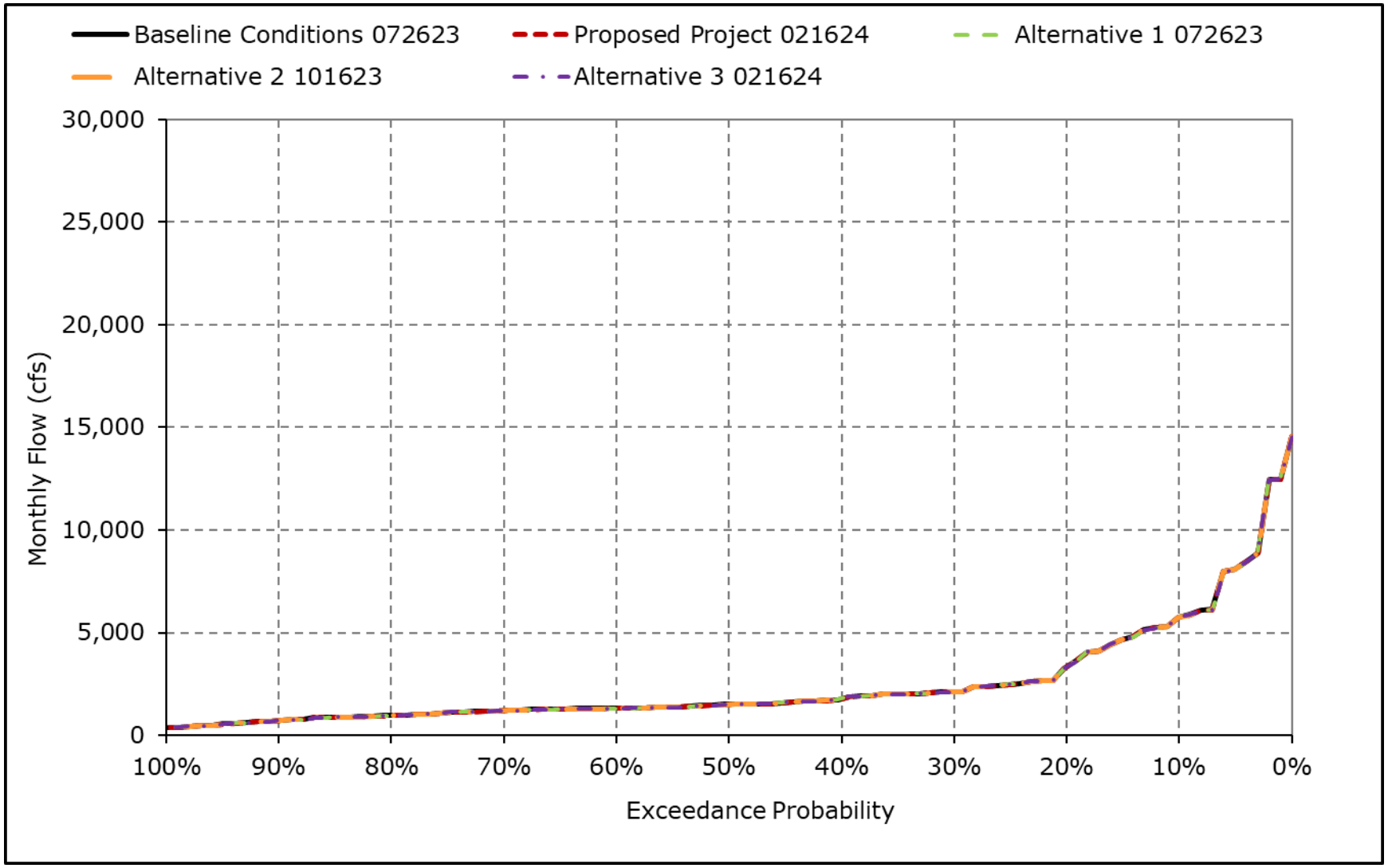
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



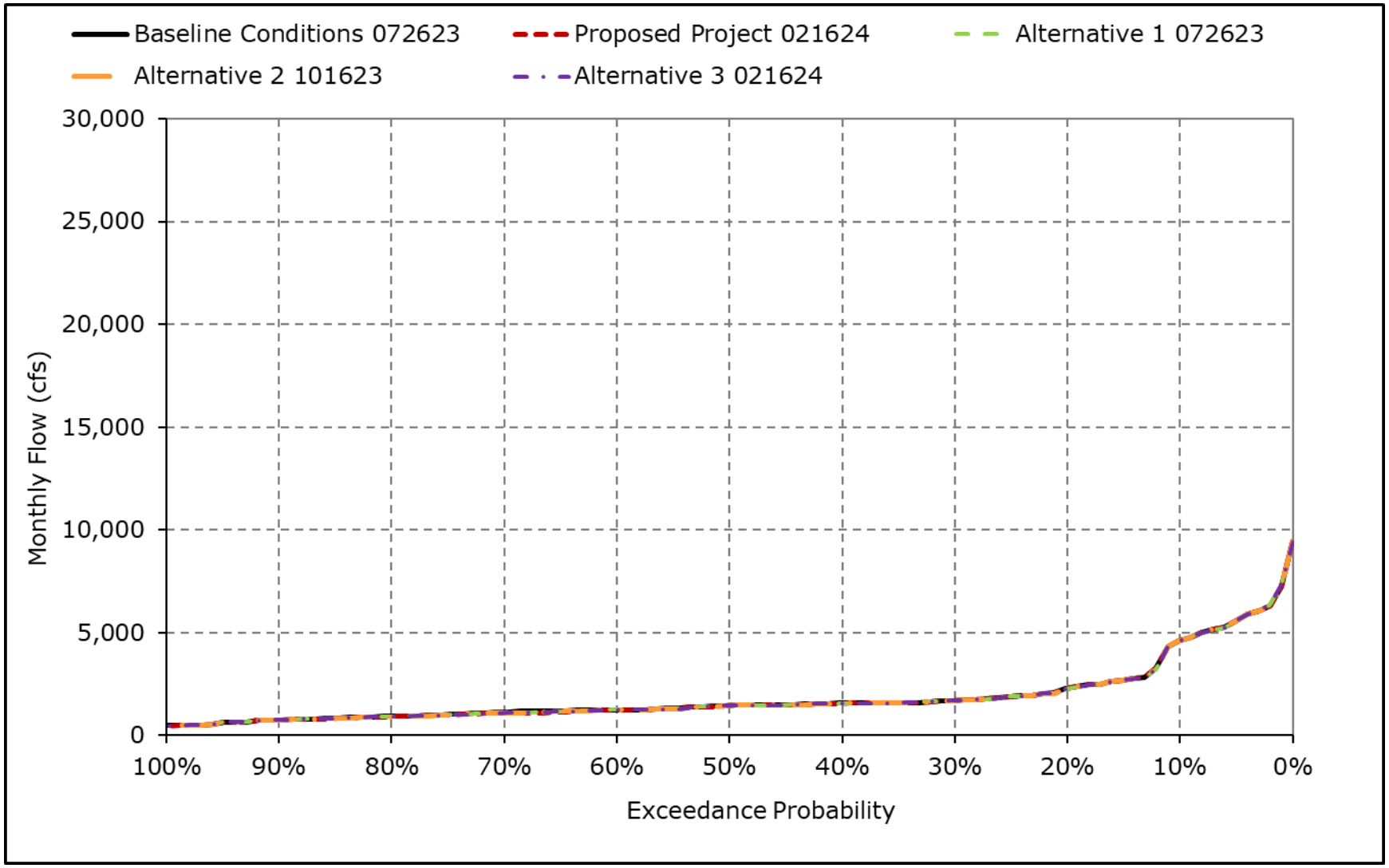
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



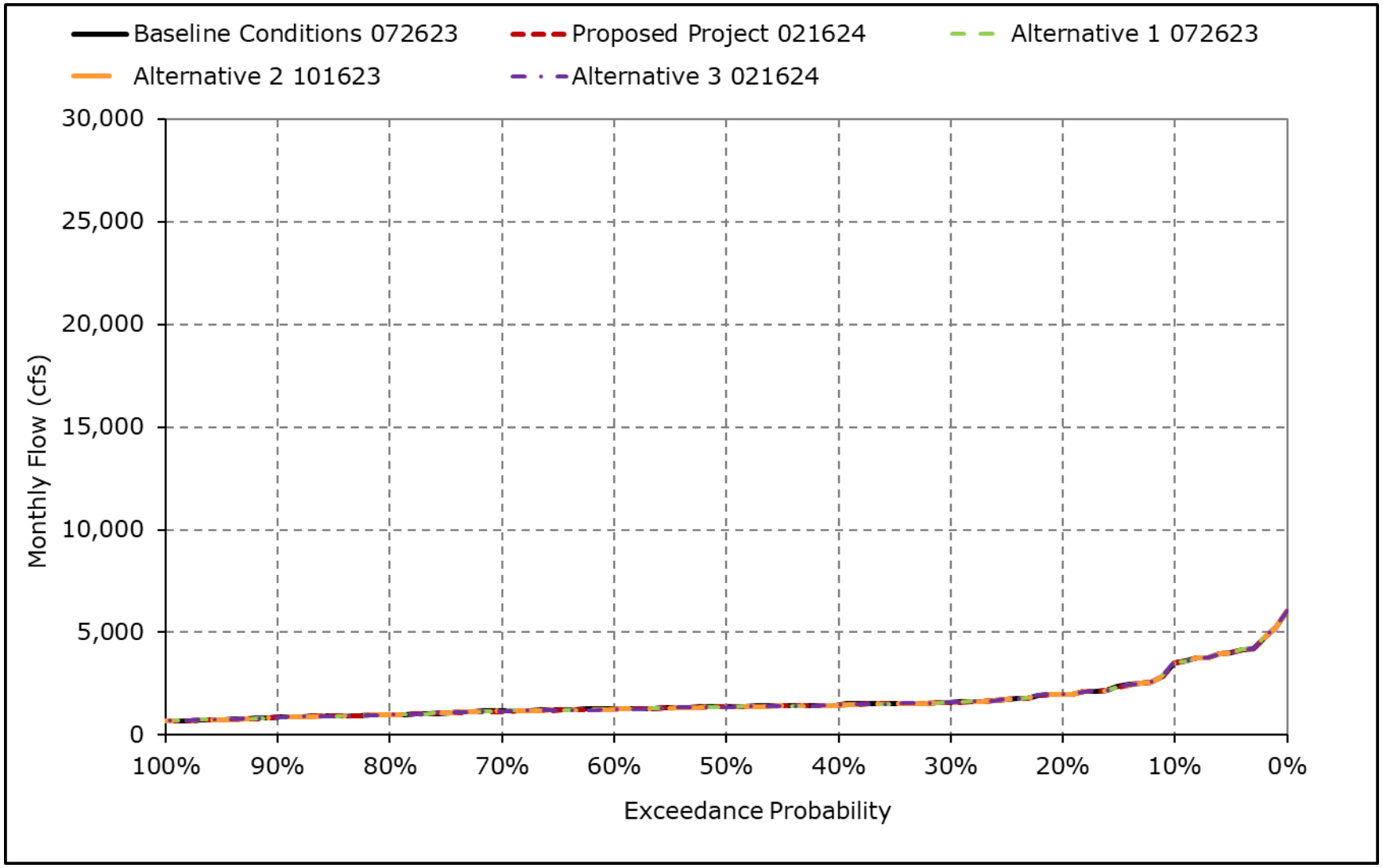
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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 072623, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	3,748	2,796	4,108	7,320	11,298	13,137	13,821	10,637	11,503	5,775	4,630	3,534
20% Exceedance	3,372	2,400	2,730	4,318	8,170	7,858	9,100	6,668	5,422	3,338	2,283	1,991
30% Exceedance	3,010	2,331	2,244	3,331	5,266	6,555	7,648	5,435	3,346	2,133	1,716	1,611
40% Exceedance	2,126	2,107	1,927	2,723	3,905	4,557	5,879	4,354	2,593	1,793	1,570	1,480
50% Exceedance	1,865	1,881	1,778	2,224	3,121	2,992	4,243	3,517	2,057	1,505	1,464	1,386
60% Exceedance	1,748	1,583	1,643	2,064	2,445	2,623	3,318	2,732	1,790	1,340	1,255	1,279
70% Exceedance	1,706	1,474	1,534	1,907	2,240	2,322	2,948	2,444	1,645	1,203	1,116	1,190
80% Exceedance	1,560	1,392	1,353	1,763	2,086	2,121	2,606	2,093	1,438	972	932	995
90% Exceedance	1,408	1,303	1,242	1,655	1,880	2,026	2,226	1,689	1,200	746	763	888
Full Simulation Period Average[a]	2,393	2,102	2,624	3,927	5,554	5,791	6,414	5,138	4,254	2,515	1,915	1,692
Wet Water Years (25%)	2,519	2,215	3,874	7,879	11,656	13,000	13,353	11,037	10,639	5,903	3,982	3,050
Above Normal Water Years (17%)	2,554	2,688	3,560	4,320	6,432	5,711	7,119	5,289	3,780	2,293	1,724	1,612
Below Normal Water Years (14%)	2,477	2,147	2,333	2,469	3,795	3,817	4,966	3,949	2,218	1,477	1,393	1,314
Dry Water Years (16%)	2,658	2,079	1,833	2,191	2,421	2,663	3,182	2,607	1,726	1,259	1,179	1,191
Critical Water Years (28%)	1,989	1,637	1,537	1,881	2,244	2,180	2,362	1,820	1,302	860	868	1,002

Table 4C-3-6-1b. San Joaquin River at Vernalis (60-20-20), Proposed Project 021624, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	3,745	2,793	4,107	7,318	11,295	13,141	13,786	10,634	11,498	5,771	4,627	3,532
20% Exceedance	3,369	2,400	2,728	4,316	8,167	7,854	9,100	6,667	5,419	3,338	2,280	1,990
30% Exceedance	3,006	2,327	2,232	3,329	5,263	6,552	7,645	5,432	3,344	2,125	1,714	1,596
40% Exceedance	2,124	2,105	1,924	2,719	3,903	4,554	5,874	4,352	2,590	1,790	1,556	1,476
50% Exceedance	1,864	1,878	1,776	2,221	3,117	2,988	4,241	3,513	2,057	1,499	1,463	1,383
60% Exceedance	1,744	1,579	1,641	2,063	2,440	2,621	3,316	2,726	1,785	1,325	1,246	1,265
70% Exceedance	1,677	1,466	1,529	1,904	2,240	2,318	2,946	2,442	1,639	1,196	1,090	1,154
80% Exceedance	1,566	1,373	1,352	1,761	2,080	2,120	2,601	2,087	1,434	964	924	993
90% Exceedance	1,428	1,314	1,253	1,654	1,876	2,022	2,224	1,686	1,187	738	760	872
Full Simulation Period Average[a]	2,390	2,099	2,618	3,922	5,552	5,788	6,411	5,133	4,249	2,508	1,904	1,684
Wet Water Years (25%)	2,515	2,212	3,867	7,874	11,655	12,994	13,351	11,028	10,634	5,899	3,979	3,047
Above Normal Water Years (17%)	2,545	2,683	3,556	4,318	6,430	5,708	7,114	5,284	3,777	2,290	1,719	1,608
Below Normal Water Years (14%)	2,472	2,142	2,330	2,466	3,792	3,815	4,964	3,947	2,214	1,471	1,388	1,310
Dry Water Years (16%)	2,651	2,072	1,829	2,188	2,418	2,659	3,178	2,603	1,721	1,241	1,150	1,170
Critical Water Years (28%)	1,993	1,638	1,530	1,874	2,239	2,176	2,359	1,816	1,297	854	852	994

Table 4C-3-6-1c. San Joaquin River at Vernalis (60-20-20), Proposed Project 021624 minus Baseline Conditions 072623, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-3	-3	0	-2	-3	3	-35	-4	-5	-4	-3	-2
20% Exceedance	-4	0	-3	-2	-2	-3	0	-2	-4	1	-3	-1
30% Exceedance	-3	-4	-12	-2	-3	-3	-3	-3	-3	-7	-2	-15
40% Exceedance	-3	-2	-3	-5	-2	-3	-5	-3	-3	-3	-14	-4
50% Exceedance	-2	-4	-2	-3	-4	-4	-2	-5	1	-6	-1	-3
60% Exceedance	-4	-4	-2	-1	-5	-2	-2	-6	-6	-15	-10	-14
70% Exceedance	-29	-7	-5	-3	0	-4	-1	-2	-6	-7	-26	-35
80% Exceedance	5	-19	-1	-3	-6	-1	-4	-6	-4	-8	-8	-2
90% Exceedance	20	11	11	-1	-4	-3	-2	-3	-13	-8	-3	-16
Full Simulation Period Average[a]	-3	-3	-6	-5	-3	-4	-3	-5	-5	-7	-11	-8
Wet Water Years (25%)	-4	-3	-6	-6	-1	-6	-1	-9	-6	-4	-3	-3
Above Normal Water Years (17%)	-9	-6	-4	-3	-3	-3	-4	-5	-3	-3	-5	-3
Below Normal Water Years (14%)	-5	-4	-4	-3	-2	-2	-2	-2	-3	-6	-5	-4
Dry Water Years (16%)	-7	-6	-4	-3	-3	-3	-4	-5	-5	-17	-29	-21
Critical Water Years (28%)	4	1	-7	-7	-5	-4	-4	-4	-5	-6	-16	-8

[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 072623, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	3,748	2,796	4,108	7,320	11,298	13,137	13,821	10,637	11,503	5,775	4,630	3,534
20% Exceedance	3,372	2,400	2,730	4,318	8,170	7,858	9,100	6,668	5,422	3,338	2,283	1,991
30% Exceedance	3,010	2,331	2,244	3,331	5,266	6,555	7,648	5,435	3,346	2,133	1,716	1,611
40% Exceedance	2,126	2,107	1,927	2,723	3,905	4,557	5,879	4,354	2,593	1,793	1,570	1,480
50% Exceedance	1,865	1,881	1,778	2,224	3,121	2,992	4,243	3,517	2,057	1,505	1,464	1,386
60% Exceedance	1,748	1,583	1,643	2,064	2,445	2,623	3,318	2,732	1,790	1,340	1,255	1,279
70% Exceedance	1,706	1,474	1,534	1,907	2,240	2,322	2,948	2,444	1,645	1,203	1,116	1,190
80% Exceedance	1,560	1,392	1,353	1,763	2,086	2,121	2,606	2,093	1,438	972	932	995
90% Exceedance	1,408	1,303	1,242	1,655	1,880	2,026	2,226	1,689	1,200	746	763	888
Full Simulation Period Average[a]	2,393	2,102	2,624	3,927	5,554	5,791	6,414	5,138	4,254	2,515	1,915	1,692
Wet Water Years (25%)	2,519	2,215	3,874	7,879	11,656	13,000	13,353	11,037	10,639	5,903	3,982	3,050
Above Normal Water Years (17%)	2,554	2,688	3,560	4,320	6,432	5,711	7,119	5,289	3,780	2,293	1,724	1,612
Below Normal Water Years (14%)	2,477	2,147	2,333	2,469	3,795	3,817	4,966	3,949	2,218	1,477	1,393	1,314
Dry Water Years (16%)	2,658	2,079	1,833	2,191	2,421	2,663	3,182	2,607	1,726	1,259	1,179	1,191
Critical Water Years (28%)	1,989	1,637	1,537	1,881	2,244	2,180	2,362	1,820	1,302	860	868	1,002

Table 4C-3-6-2b. San Joaquin River at Vernalis (60-20-20), Alternative 1 072623, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	3,744	2,793	4,107	7,318	11,294	13,141	13,783	10,634	11,498	5,772	4,627	3,532
20% Exceedance	3,369	2,400	2,727	4,316	8,167	7,854	9,099	6,667	5,416	3,333	2,276	1,987
30% Exceedance	3,006	2,327	2,231	3,329	5,263	6,551	7,644	5,432	3,343	2,126	1,714	1,595
40% Exceedance	2,124	2,104	1,924	2,719	3,903	4,553	5,875	4,351	2,590	1,790	1,557	1,476
50% Exceedance	1,864	1,877	1,778	2,221	3,117	2,988	4,241	3,511	2,056	1,499	1,463	1,383
60% Exceedance	1,746	1,579	1,640	2,065	2,436	2,621	3,316	2,727	1,786	1,297	1,252	1,263
70% Exceedance	1,696	1,460	1,529	1,904	2,240	2,318	2,947	2,442	1,637	1,194	1,092	1,174
80% Exceedance	1,555	1,396	1,355	1,761	2,080	2,120	2,601	2,087	1,434	963	924	981
90% Exceedance	1,427	1,317	1,254	1,654	1,876	2,022	2,224	1,687	1,187	737	759	885
Full Simulation Period Average[a]	2,390	2,100	2,620	3,923	5,552	5,787	6,410	5,133	4,249	2,506	1,906	1,685
Wet Water Years (25%)	2,514	2,211	3,867	7,873	11,655	12,993	13,346	11,027	10,633	5,899	3,979	3,047
Above Normal Water Years (17%)	2,543	2,681	3,556	4,317	6,430	5,708	7,114	5,284	3,777	2,290	1,719	1,608
Below Normal Water Years (14%)	2,473	2,143	2,330	2,466	3,792	3,815	4,964	3,947	2,214	1,471	1,387	1,310
Dry Water Years (16%)	2,654	2,079	1,832	2,189	2,418	2,659	3,178	2,603	1,720	1,241	1,151	1,170
Critical Water Years (28%)	1,995	1,638	1,533	1,877	2,240	2,176	2,359	1,816	1,297	848	858	996

Table 4C-3-6-2c. San Joaquin River at Vernalis (60-20-20), Alternative 1 072623 minus Baseline Conditions 072623, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-4	-3	0	-2	-3	4	-38	-3	-6	-4	-3	-2
20% Exceedance	-4	0	-3	-2	-2	-3	0	-2	-6	-5	-7	-4
30% Exceedance	-4	-4	-13	-2	-3	-3	-4	-4	-3	-7	-2	-16
40% Exceedance	-3	-2	-3	-5	-2	-4	-4	-3	-3	-3	-13	-4
50% Exceedance	-1	-4	0	-3	-4	-4	-2	-6	-1	-6	-1	-3
60% Exceedance	-2	-4	-2	1	-9	-2	-2	-5	-5	-43	-4	-16
70% Exceedance	-10	-13	-5	-3	0	-4	-1	-1	-8	-10	-24	-16
80% Exceedance	-5	3	2	-3	-6	-1	-4	-6	-4	-9	-8	-14
90% Exceedance	19	14	12	-1	-4	-3	-2	-2	-13	-8	-4	-3
Full Simulation Period Average[a]	-3	-3	-4	-4	-3	-4	-4	-6	-5	-9	-10	-7
Wet Water Years (25%)	-5	-5	-7	-6	-2	-7	-7	-10	-7	-4	-4	-3
Above Normal Water Years (17%)	-11	-8	-4	-3	-2	-3	-4	-5	-3	-4	-5	-4
Below Normal Water Years (14%)	-4	-3	-3	-3	-2	-2	-2	-2	-3	-6	-5	-5
Dry Water Years (16%)	-4	0	-1	-2	-3	-3	-4	-5	-6	-17	-28	-21
Critical Water Years (28%)	7	1	-4	-5	-4	-4	-4	-4	-5	-12	-9	-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 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 072623, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	3,748	2,796	4,108	7,320	11,298	13,137	13,821	10,637	11,503	5,775	4,630	3,534
20% Exceedance	3,372	2,400	2,730	4,318	8,170	7,858	9,100	6,668	5,422	3,338	2,283	1,991
30% Exceedance	3,010	2,331	2,244	3,331	5,266	6,555	7,648	5,435	3,346	2,133	1,716	1,611
40% Exceedance	2,126	2,107	1,927	2,723	3,905	4,557	5,879	4,354	2,593	1,793	1,570	1,480
50% Exceedance	1,865	1,881	1,778	2,224	3,121	2,992	4,243	3,517	2,057	1,505	1,464	1,386
60% Exceedance	1,748	1,583	1,643	2,064	2,445	2,623	3,318	2,732	1,790	1,340	1,255	1,279
70% Exceedance	1,706	1,474	1,534	1,907	2,240	2,322	2,948	2,444	1,645	1,203	1,116	1,190
80% Exceedance	1,560	1,392	1,353	1,763	2,086	2,121	2,606	2,093	1,438	972	932	995
90% Exceedance	1,408	1,303	1,242	1,655	1,880	2,026	2,226	1,689	1,200	746	763	888
Full Simulation Period Average[a]	2,393	2,102	2,624	3,927	5,554	5,791	6,414	5,138	4,254	2,515	1,915	1,692
Wet Water Years (25%)	2,519	2,215	3,874	7,879	11,656	13,000	13,353	11,037	10,639	5,903	3,982	3,050
Above Normal Water Years (17%)	2,554	2,688	3,560	4,320	6,432	5,711	7,119	5,289	3,780	2,293	1,724	1,612
Below Normal Water Years (14%)	2,477	2,147	2,333	2,469	3,795	3,817	4,966	3,949	2,218	1,477	1,393	1,314
Dry Water Years (16%)	2,658	2,079	1,833	2,191	2,421	2,663	3,182	2,607	1,726	1,259	1,179	1,191
Critical Water Years (28%)	1,989	1,637	1,537	1,881	2,244	2,180	2,362	1,820	1,302	860	868	1,002

Table 4C-3-6-3b. San Joaquin River at Vernalis (60-20-20), Alternative 2 101623, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	3,745	2,793	4,107	7,319	11,294	13,127	13,784	10,634	11,498	5,772	4,627	3,532
20% Exceedance	3,368	2,400	2,727	4,316	8,167	7,855	9,100	6,667	5,416	3,333	2,276	1,987
30% Exceedance	3,006	2,327	2,238	3,329	5,263	6,551	7,645	5,432	3,343	2,126	1,714	1,596
40% Exceedance	2,124	2,105	1,924	2,719	3,903	4,554	5,875	4,351	2,590	1,790	1,557	1,476
50% Exceedance	1,865	1,878	1,776	2,221	3,117	2,988	4,241	3,513	2,056	1,499	1,463	1,383
60% Exceedance	1,746	1,579	1,640	2,063	2,442	2,621	3,316	2,727	1,783	1,303	1,239	1,264
70% Exceedance	1,685	1,464	1,529	1,904	2,240	2,317	2,946	2,442	1,639	1,197	1,093	1,181
80% Exceedance	1,572	1,388	1,361	1,761	2,080	2,120	2,601	2,087	1,434	965	906	975
90% Exceedance	1,422	1,320	1,252	1,654	1,876	2,022	2,224	1,687	1,187	737	759	873
Full Simulation Period Average[a]	2,390	2,100	2,620	3,923	5,552	5,787	6,410	5,133	4,249	2,507	1,905	1,685
Wet Water Years (25%)	2,513	2,210	3,867	7,873	11,655	12,993	13,346	11,027	10,633	5,899	3,979	3,047
Above Normal Water Years (17%)	2,546	2,683	3,557	4,318	6,429	5,707	7,114	5,284	3,777	2,290	1,719	1,608
Below Normal Water Years (14%)	2,472	2,142	2,330	2,467	3,793	3,815	4,964	3,947	2,214	1,471	1,388	1,310
Dry Water Years (16%)	2,651	2,072	1,828	2,187	2,418	2,659	3,178	2,603	1,721	1,241	1,150	1,171
Critical Water Years (28%)	1,996	1,643	1,535	1,878	2,240	2,176	2,359	1,816	1,297	851	855	995

Table 4C-3-6-3c. San Joaquin River at Vernalis (60-20-20), Alternative 2 101623 minus Baseline Conditions 072623, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-4	-3	0	-1	-3	-10	-37	-3	-6	-4	-3	-2
20% Exceedance	-4	0	-3	-2	-2	-3	0	-1	-6	-5	-7	-4
30% Exceedance	-4	-4	-5	-2	-3	-3	-3	-3	-3	-7	-2	-14
40% Exceedance	-3	-2	-3	-4	-2	-3	-4	-3	-3	-3	-13	-4
50% Exceedance	0	-4	-2	-3	-4	-4	-2	-4	-1	-6	-1	-3
60% Exceedance	-2	-4	-3	-1	-3	-2	-2	-5	-7	-37	-17	-14
70% Exceedance	-21	-9	-5	-3	0	-4	-1	-1	-5	-7	-23	-8
80% Exceedance	11	-4	8	-2	-6	-1	-4	-6	-5	-7	-26	-20
90% Exceedance	14	16	10	-1	-4	-3	-2	-3	-13	-8	-3	-15
Full Simulation Period Average[a]	-3	-2	-4	-4	-3	-4	-4	-5	-5	-8	-10	-7
Wet Water Years (25%)	-6	-6	-7	-6	-1	-7	-7	-10	-6	-4	-4	-3
Above Normal Water Years (17%)	-8	-5	-3	-3	-3	-4	-5	-5	-2	-3	-4	-3
Below Normal Water Years (14%)	-5	-4	-3	-2	-2	-2	-2	-2	-3	-6	-5	-4
Dry Water Years (16%)	-7	-7	-5	-3	-3	-3	-4	-5	-6	-17	-29	-20
Critical Water Years (28%)	7	6	-2	-4	-4	-4	-4	-4	-5	-9	-12	-7

[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 072623, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	3,748	2,796	4,108	7,320	11,298	13,137	13,821	10,637	11,503	5,775	4,630	3,534
20% Exceedance	3,372	2,400	2,730	4,318	8,170	7,858	9,100	6,668	5,422	3,338	2,283	1,991
30% Exceedance	3,010	2,331	2,244	3,331	5,266	6,555	7,648	5,435	3,346	2,133	1,716	1,611
40% Exceedance	2,126	2,107	1,927	2,723	3,905	4,557	5,879	4,354	2,593	1,793	1,570	1,480
50% Exceedance	1,865	1,881	1,778	2,224	3,121	2,992	4,243	3,517	2,057	1,505	1,464	1,386
60% Exceedance	1,748	1,583	1,643	2,064	2,445	2,623	3,318	2,732	1,790	1,340	1,255	1,279
70% Exceedance	1,706	1,474	1,534	1,907	2,240	2,322	2,948	2,444	1,645	1,203	1,116	1,190
80% Exceedance	1,560	1,392	1,353	1,763	2,086	2,121	2,606	2,093	1,438	972	932	995
90% Exceedance	1,408	1,303	1,242	1,655	1,880	2,026	2,226	1,689	1,200	746	763	888
Full Simulation Period Average[a]	2,393	2,102	2,624	3,927	5,554	5,791	6,414	5,138	4,254	2,515	1,915	1,692
Wet Water Years (25%)	2,519	2,215	3,874	7,879	11,656	13,000	13,353	11,037	10,639	5,903	3,982	3,050
Above Normal Water Years (17%)	2,554	2,688	3,560	4,320	6,432	5,711	7,119	5,289	3,780	2,293	1,724	1,612
Below Normal Water Years (14%)	2,477	2,147	2,333	2,469	3,795	3,817	4,966	3,949	2,218	1,477	1,393	1,314
Dry Water Years (16%)	2,658	2,079	1,833	2,191	2,421	2,663	3,182	2,607	1,726	1,259	1,179	1,191
Critical Water Years (28%)	1,989	1,637	1,537	1,881	2,244	2,180	2,362	1,820	1,302	860	868	1,002

Table 4C-3-6-4b. San Joaquin River at Vernalis (60-20-20), Alternative 3 021624, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	3,745	2,793	4,107	7,319	11,294	13,130	13,785	10,634	11,498	5,771	4,627	3,532
20% Exceedance	3,368	2,400	2,728	4,316	8,167	7,854	9,100	6,667	5,418	3,339	2,280	1,990
30% Exceedance	3,006	2,327	2,232	3,329	5,263	6,551	7,645	5,432	3,341	2,126	1,714	1,596
40% Exceedance	2,124	2,104	1,924	2,719	3,903	4,554	5,874	4,351	2,590	1,790	1,556	1,475
50% Exceedance	1,865	1,878	1,776	2,221	3,117	2,988	4,241	3,513	2,057	1,499	1,463	1,383
60% Exceedance	1,746	1,579	1,641	2,063	2,445	2,621	3,315	2,726	1,785	1,300	1,243	1,264
70% Exceedance	1,676	1,466	1,529	1,904	2,240	2,318	2,946	2,442	1,639	1,196	1,090	1,157
80% Exceedance	1,566	1,361	1,355	1,761	2,080	2,120	2,602	2,087	1,434	961	924	993
90% Exceedance	1,427	1,320	1,253	1,654	1,876	2,022	2,224	1,686	1,196	739	754	872
Full Simulation Period Average[a]	2,390	2,100	2,620	3,923	5,552	5,787	6,411	5,133	4,249	2,507	1,903	1,684
Wet Water Years (25%)	2,515	2,211	3,870	7,875	11,657	12,993	13,351	11,028	10,633	5,899	3,979	3,047
Above Normal Water Years (17%)	2,545	2,683	3,557	4,318	6,430	5,708	7,114	5,284	3,777	2,290	1,719	1,608
Below Normal Water Years (14%)	2,471	2,142	2,329	2,466	3,792	3,815	4,964	3,947	2,214	1,470	1,388	1,310
Dry Water Years (16%)	2,651	2,072	1,828	2,187	2,418	2,659	3,178	2,603	1,721	1,241	1,151	1,170
Critical Water Years (28%)	1,995	1,640	1,533	1,876	2,240	2,176	2,359	1,816	1,297	852	849	993

Table 4C-3-6-4c. San Joaquin River at Vernalis (60-20-20), Alternative 3 021624 minus Baseline Conditions 072623, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-3	-3	0	-2	-3	-7	-36	-4	-6	-4	-3	-3
20% Exceedance	-4	0	-3	-2	-2	-3	0	-2	-4	1	-3	-1
30% Exceedance	-4	-4	-12	-2	-3	-3	-3	-3	-5	-7	-2	-15
40% Exceedance	-3	-3	-3	-5	-2	-3	-5	-3	-3	-3	-14	-5
50% Exceedance	0	-4	-2	-3	-4	-4	-2	-5	1	-6	-1	-3
60% Exceedance	-3	-4	-2	-1	1	-2	-2	-6	-6	-40	-13	-14
70% Exceedance	-30	-8	-5	-3	0	-4	-1	-2	-6	-7	-26	-33
80% Exceedance	6	-31	1	-3	-6	-1	-4	-6	-4	-11	-8	-2
90% Exceedance	19	17	11	-1	-4	-3	-2	-3	-4	-7	-9	-16
Full Simulation Period Average[a]	-3	-3	-4	-4	-2	-4	-3	-5	-5	-8	-12	-8
Wet Water Years (25%)	-4	-4	-4	-4	1	-7	-2	-10	-6	-4	-3	-3
Above Normal Water Years (17%)	-9	-5	-3	-3	-3	-3	-4	-5	-3	-4	-5	-4
Below Normal Water Years (14%)	-5	-4	-4	-3	-2	-2	-2	-2	-3	-6	-5	-4
Dry Water Years (16%)	-7	-7	-5	-3	-3	-3	-4	-5	-5	-17	-28	-21
Critical Water Years (28%)	6	4	-5	-5	-4	-4	-4	-4	-5	-8	-18	-10

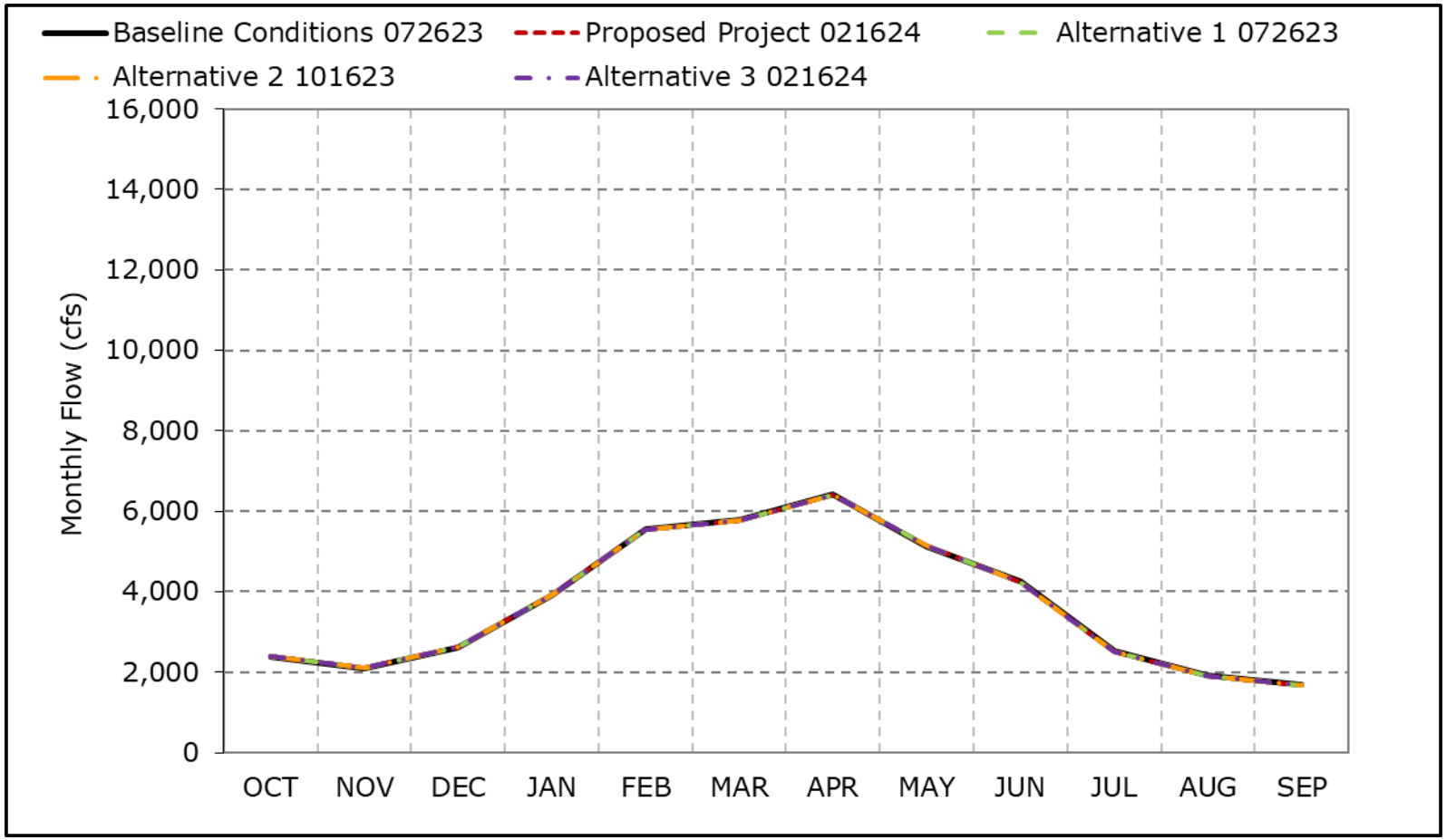
[a] Based on the 100-year simulation period.

* 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).

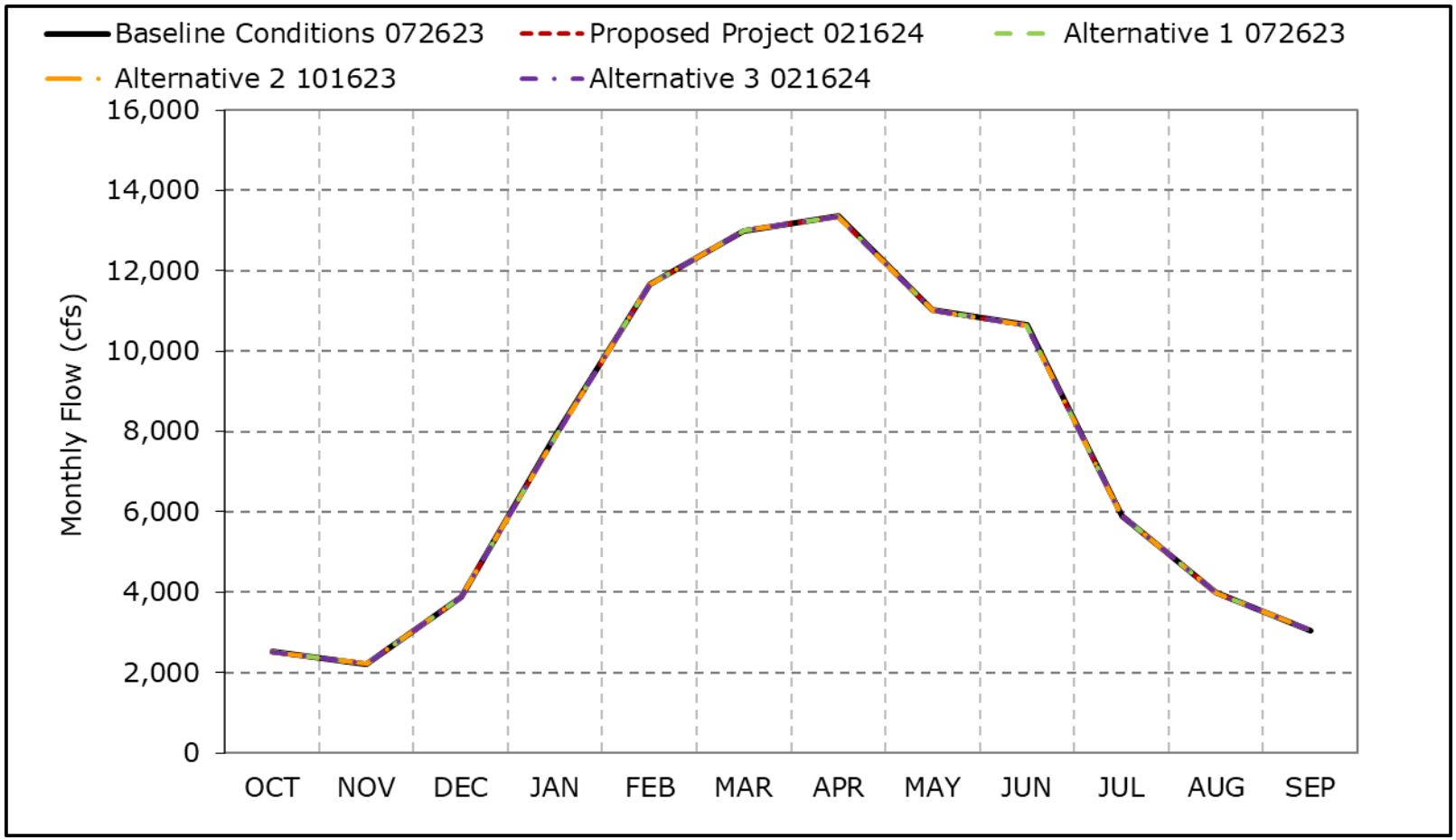
* Water Year Types results are displayed with water year - year type sorting.

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



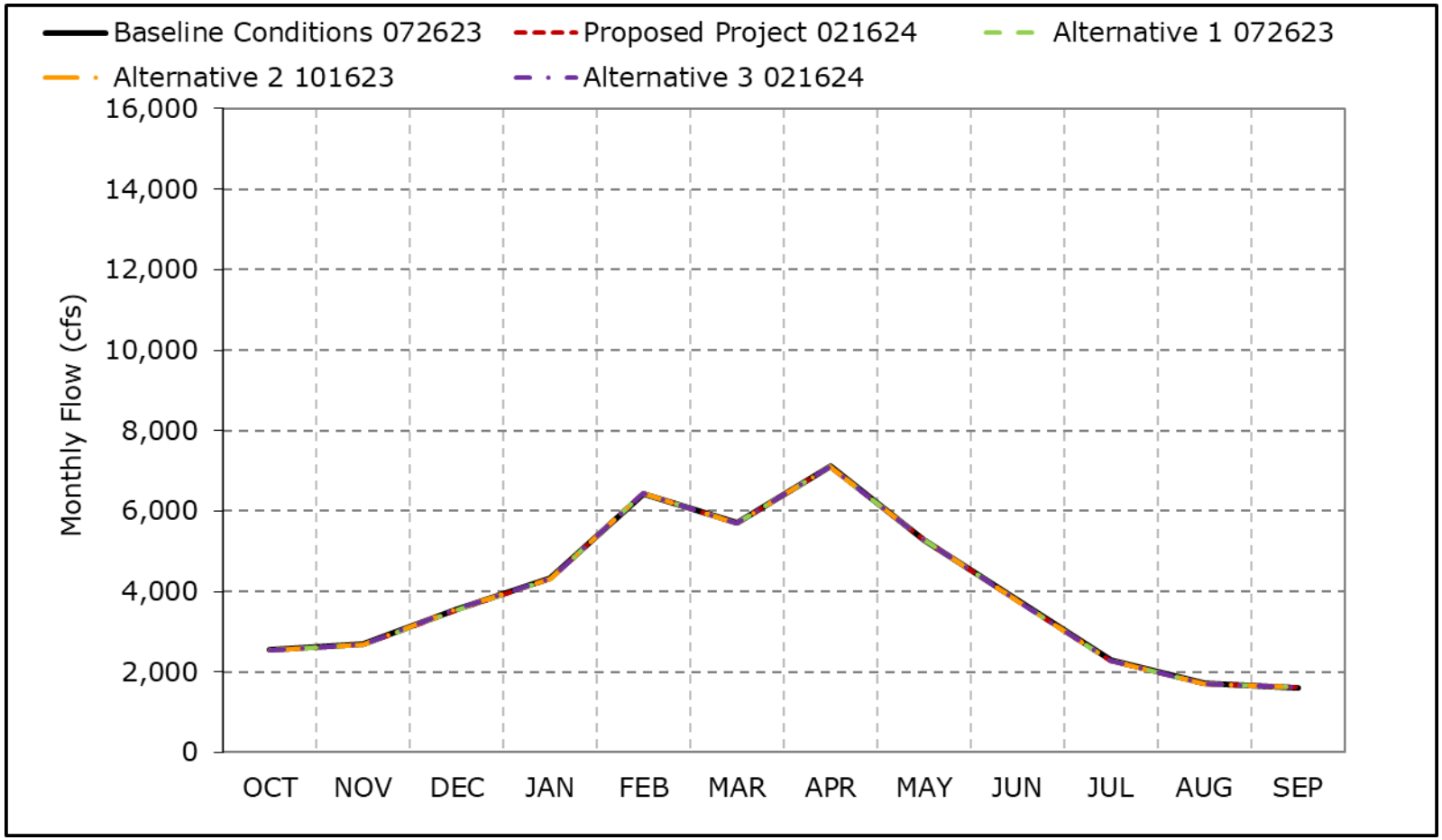
*As defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



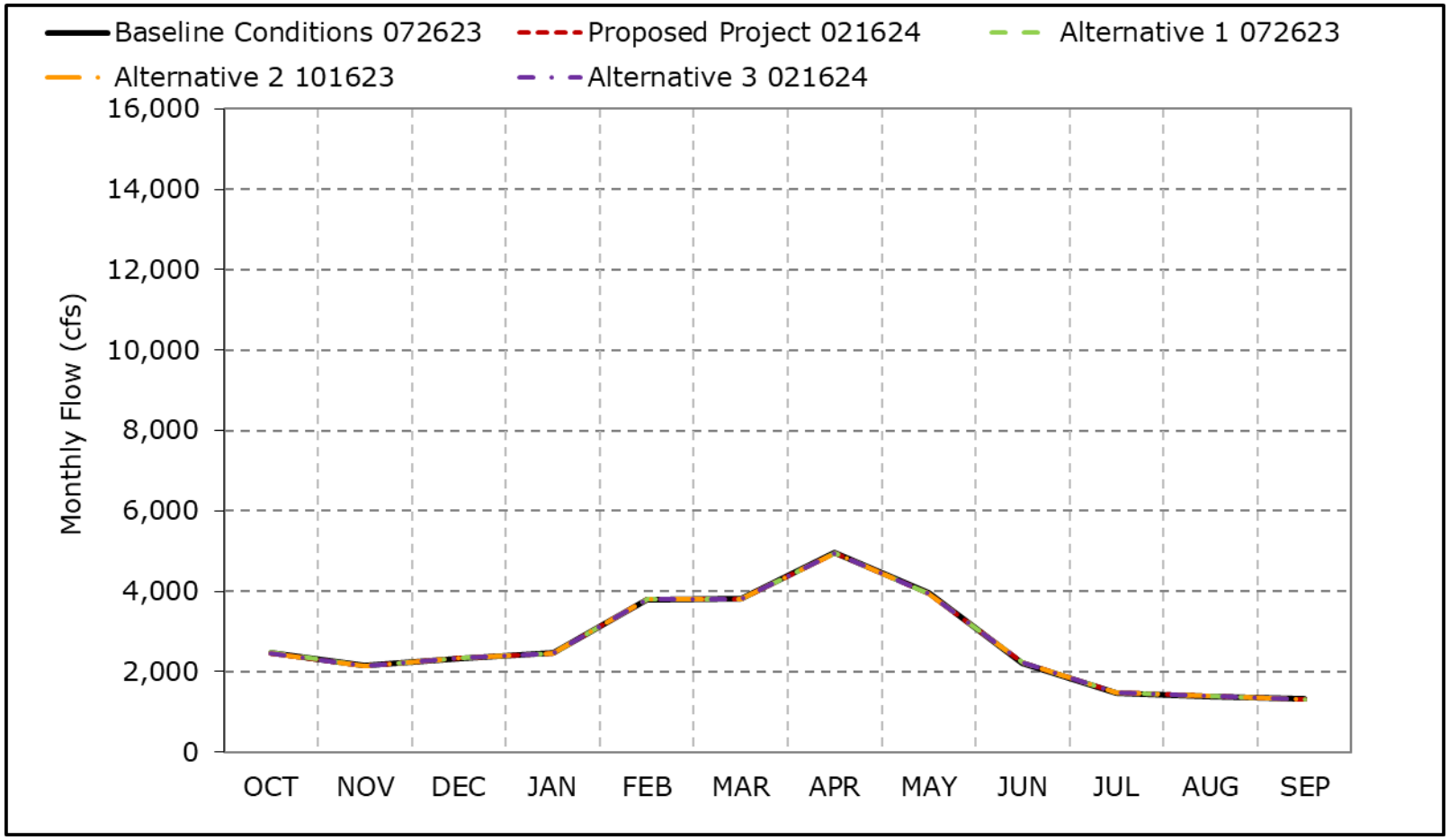
*As defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



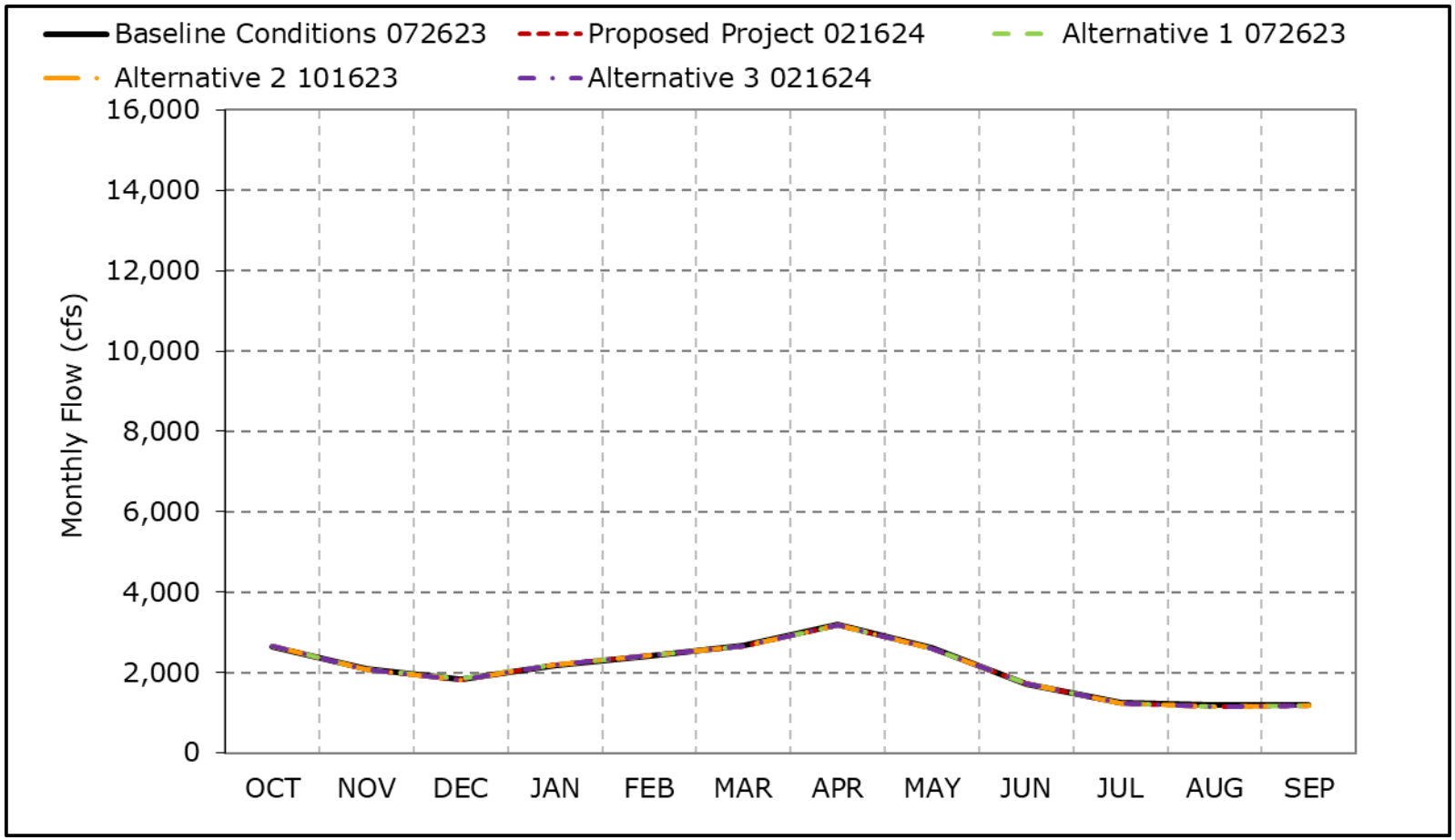
*As defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



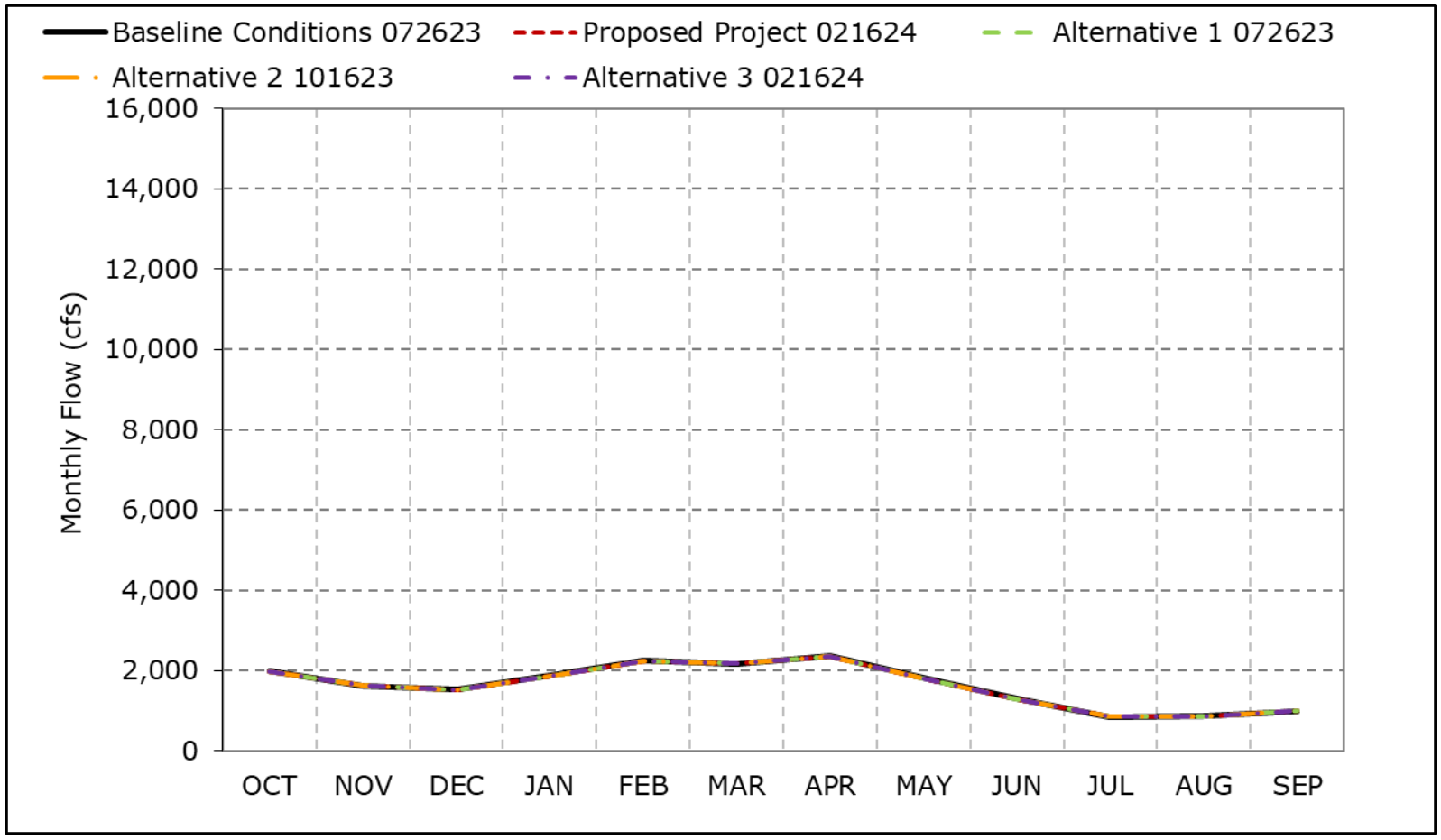
*As defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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 072623, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	550	860	2,789	5,263	5,950	4,740	4,337	4,100	2,255	876	753	863
20% Exceedance	407	587	1,594	3,281	3,651	3,431	2,626	2,189	1,566	770	712	836
30% Exceedance	372	444	839	1,697	2,739	2,359	2,164	1,562	1,203	638	662	798
40% Exceedance	343	409	636	1,286	1,969	1,718	1,700	1,131	627	583	629	753
50% Exceedance	329	388	531	913	1,330	1,401	1,391	894	460	104	280	666
60% Exceedance	312	375	470	687	1,033	1,174	1,041	630	323	82	70	78
70% Exceedance	273	345	425	546	806	1,021	804	489	168	73	62	64
80% Exceedance	230	297	387	469	630	796	641	396	97	59	48	51
90% Exceedance	214	241	305	393	482	545	383	198	75	49	38	44
Full Simulation Period Average[a]	371	600	1,278	2,024	2,486	2,222	1,930	1,501	854	442	371	460
Wet Water Years (30%)	492	1,069	2,741	4,311	4,830	4,089	3,660	3,183	1,871	977	728	848
Above Normal Water Years (11%)	313	404	712	2,612	2,894	2,430	1,825	1,427	937	513	544	689
Below Normal Water Years (21%)	365	492	826	1,053	1,776	1,800	1,682	1,038	574	289	300	415
Dry Water Years (22%)	329	389	566	655	1,011	1,126	942	549	221	111	104	142
Critical Water Years (16%)	252	286	500	488	771	639	443	313	130	48	41	71

Table 4C-3-7-1b. Mokelumne River below Cosumnes, Proposed Project 021624, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	550	860	2,789	5,263	5,950	4,740	4,337	4,100	2,255	876	753	863
20% Exceedance	407	587	1,594	3,281	3,651	3,431	2,626	2,189	1,566	770	712	836
30% Exceedance	372	444	839	1,697	2,739	2,359	2,164	1,562	1,203	638	662	798
40% Exceedance	343	409	636	1,286	1,969	1,718	1,700	1,131	627	583	629	753
50% Exceedance	329	388	531	913	1,330	1,401	1,391	894	460	113	280	666
60% Exceedance	312	375	470	687	1,033	1,174	1,041	630	323	82	70	78
70% Exceedance	273	345	425	546	806	1,021	804	489	168	73	62	64
80% Exceedance	230	297	387	469	630	796	641	396	97	59	48	51
90% Exceedance	214	241	305	393	482	545	383	198	75	49	38	44
Full Simulation Period Average[a]	371	600	1,278	2,024	2,486	2,222	1,930	1,501	854	443	371	460
Wet Water Years (30%)	492	1,069	2,741	4,311	4,830	4,089	3,660	3,183	1,871	978	727	848
Above Normal Water Years (11%)	313	404	712	2,612	2,894	2,430	1,825	1,428	937	514	544	689
Below Normal Water Years (21%)	365	492	826	1,053	1,775	1,800	1,682	1,038	574	290	300	415
Dry Water Years (22%)	329	389	566	655	1,011	1,126	942	549	221	111	104	142
Critical Water Years (16%)	252	286	500	488	771	639	443	313	130	48	41	71

Table 4C-3-7-1c. Mokelumne River below Cosumnes, Proposed Project 021624 minus Baseline Conditions 072623, 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	9	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	0	0	0	0	0	0	0
Full Simulation Period Average[a]	0	0	0	0	0	0	0	0	0	1	0	0
Wet Water Years (30%)	0	0	0	0	0	0	0	0	0	1	-1	0
Above Normal Water Years (11%)	0	0	0	0	0	0	0	0	0	2	0	0
Below Normal Water Years (21%)	0	0	0	0	0	0	0	0	0	2	0	0
Dry Water Years (22%)	0	0	0	0	0	0	0	0	0	0	0	0
Critical Water Years (16%)	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-3-7-2a. Mokelumne River below Cosumnes, Baseline Conditions 072623, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	550	860	2,789	5,263	5,950	4,740	4,337	4,100	2,255	876	753	863
20% Exceedance	407	587	1,594	3,281	3,651	3,431	2,626	2,189	1,566	770	712	836
30% Exceedance	372	444	839	1,697	2,739	2,359	2,164	1,562	1,203	638	662	798
40% Exceedance	343	409	636	1,286	1,969	1,718	1,700	1,131	627	583	629	753
50% Exceedance	329	388	531	913	1,330	1,401	1,391	894	460	104	280	666
60% Exceedance	312	375	470	687	1,033	1,174	1,041	630	323	82	70	78
70% Exceedance	273	345	425	546	806	1,021	804	489	168	73	62	64
80% Exceedance	230	297	387	469	630	796	641	396	97	59	48	51
90% Exceedance	214	241	305	393	482	545	383	198	75	49	38	44
Full Simulation Period Average[a]	371	600	1,278	2,024	2,486	2,222	1,930	1,501	854	442	371	460
Wet Water Years (30%)	492	1,069	2,741	4,311	4,830	4,089	3,660	3,183	1,871	977	728	848
Above Normal Water Years (11%)	313	404	712	2,612	2,894	2,430	1,825	1,427	937	513	544	689
Below Normal Water Years (21%)	365	492	826	1,053	1,776	1,800	1,682	1,038	574	289	300	415
Dry Water Years (22%)	329	389	566	655	1,011	1,126	942	549	221	111	104	142
Critical Water Years (16%)	252	286	500	488	771	639	443	313	130	48	41	71

Table 4C-3-7-2b. Mokelumne River below Cosumnes, Alternative 1 072623, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	550	860	2,789	5,263	5,950	4,740	4,337	4,100	2,255	876	753	863
20% Exceedance	407	587	1,594	3,281	3,651	3,431	2,626	2,189	1,566	770	712	836
30% Exceedance	372	444	839	1,697	2,739	2,359	2,164	1,562	1,203	638	662	798
40% Exceedance	343	409	636	1,286	1,969	1,718	1,700	1,131	627	583	629	753
50% Exceedance	329	388	531	913	1,330	1,401	1,391	894	460	104	280	666
60% Exceedance	312	375	470	687	1,033	1,174	1,041	630	323	82	70	78
70% Exceedance	273	345	425	546	806	1,021	804	489	168	73	62	64
80% Exceedance	230	297	387	469	630	796	641	396	97	59	48	51
90% Exceedance	214	241	305	393	482	545	383	198	75	49	38	44
Full Simulation Period Average[a]	371	600	1,278	2,024	2,486	2,222	1,930	1,501	854	443	371	460
Wet Water Years (30%)	492	1,069	2,741	4,311	4,830	4,089	3,660	3,183	1,871	978	727	848
Above Normal Water Years (11%)	313	404	712	2,612	2,894	2,430	1,825	1,427	937	512	544	689
Below Normal Water Years (21%)	365	492	826	1,053	1,776	1,800	1,682	1,038	574	290	300	415
Dry Water Years (22%)	329	389	566	655	1,011	1,126	942	549	221	111	104	142
Critical Water Years (16%)	252	286	500	488	771	639	443	313	130	48	41	71

Table 4C-3-7-2c. Mokelumne River below Cosumnes, Alternative 1 072623 minus Baseline Conditions 072623, 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	0	0	0	0	0	0	0
Full Simulation Period Average[a]	0	0	0	0	0	0	0	0	0	1	0	0
Wet Water Years (30%)	0	0	0	0	0	0	0	0	0	1	-1	0
Above Normal Water Years (11%)	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal Water Years (21%)	0	0	0	0	0	0	0	0	0	1	0	0
Dry Water Years (22%)	0	0	0	0	0	0	0	0	0	0	0	0
Critical Water Years (16%)	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 072623, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	550	860	2,789	5,263	5,950	4,740	4,337	4,100	2,255	876	753	863
20% Exceedance	407	587	1,594	3,281	3,651	3,431	2,626	2,189	1,566	770	712	836
30% Exceedance	372	444	839	1,697	2,739	2,359	2,164	1,562	1,203	638	662	798
40% Exceedance	343	409	636	1,286	1,969	1,718	1,700	1,131	627	583	629	753
50% Exceedance	329	388	531	913	1,330	1,401	1,391	894	460	104	280	666
60% Exceedance	312	375	470	687	1,033	1,174	1,041	630	323	82	70	78
70% Exceedance	273	345	425	546	806	1,021	804	489	168	73	62	64
80% Exceedance	230	297	387	469	630	796	641	396	97	59	48	51
90% Exceedance	214	241	305	393	482	545	383	198	75	49	38	44
Full Simulation Period Average[a]	371	600	1,278	2,024	2,486	2,222	1,930	1,501	854	442	371	460
Wet Water Years (30%)	492	1,069	2,741	4,311	4,830	4,089	3,660	3,183	1,871	977	728	848
Above Normal Water Years (11%)	313	404	712	2,612	2,894	2,430	1,825	1,427	937	513	544	689
Below Normal Water Years (21%)	365	492	826	1,053	1,776	1,800	1,682	1,038	574	289	300	415
Dry Water Years (22%)	329	389	566	655	1,011	1,126	942	549	221	111	104	142
Critical Water Years (16%)	252	286	500	488	771	639	443	313	130	48	41	71

Table 4C-3-7-3b. Mokelumne River below Cosumnes, Alternative 2 101623, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	550	860	2,789	5,263	5,950	4,740	4,337	4,100	2,255	876	753	863
20% Exceedance	407	587	1,594	3,281	3,651	3,431	2,626	2,189	1,566	770	712	836
30% Exceedance	372	444	839	1,697	2,739	2,359	2,164	1,562	1,203	638	662	798
40% Exceedance	343	409	636	1,286	1,969	1,718	1,700	1,131	627	583	629	753
50% Exceedance	329	388	531	913	1,330	1,401	1,391	894	460	104	280	666
60% Exceedance	312	375	470	687	1,033	1,174	1,041	630	323	82	70	78
70% Exceedance	273	345	425	546	806	1,021	804	489	168	73	62	64
80% Exceedance	230	297	387	469	630	796	641	396	97	59	48	51
90% Exceedance	214	241	305	393	482	545	383	198	75	49	38	44
Full Simulation Period Average[a]	371	600	1,278	2,024	2,486	2,222	1,930	1,501	854	442	371	460
Wet Water Years (30%)	492	1,069	2,741	4,311	4,830	4,089	3,660	3,183	1,871	977	728	848
Above Normal Water Years (11%)	313	404	712	2,612	2,894	2,430	1,825	1,427	937	512	544	689
Below Normal Water Years (21%)	365	492	826	1,053	1,776	1,800	1,682	1,038	574	290	300	415
Dry Water Years (22%)	329	389	566	655	1,011	1,126	942	549	221	111	104	142
Critical Water Years (16%)	252	286	500	488	771	639	443	313	130	48	41	71

Table 4C-3-7-3c. Mokelumne River below Cosumnes, Alternative 2 101623 minus Baseline Conditions 072623, 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	0	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 (30%)	0	0	0	0	0	0	0	0	0	0	-1	0
Above Normal Water Years (11%)	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal Water Years (21%)	0	0	0	0	0	0	0	0	0	1	0	0
Dry Water Years (22%)	0	0	0	0	0	0	0	0	0	0	0	0
Critical Water Years (16%)	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-3-7-4a. Mokelumne River below Cosumnes, Baseline Conditions 072623, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	550	860	2,789	5,263	5,950	4,740	4,337	4,100	2,255	876	753	863
20% Exceedance	407	587	1,594	3,281	3,651	3,431	2,626	2,189	1,566	770	712	836
30% Exceedance	372	444	839	1,697	2,739	2,359	2,164	1,562	1,203	638	662	798
40% Exceedance	343	409	636	1,286	1,969	1,718	1,700	1,131	627	583	629	753
50% Exceedance	329	388	531	913	1,330	1,401	1,391	894	460	104	280	666
60% Exceedance	312	375	470	687	1,033	1,174	1,041	630	323	82	70	78
70% Exceedance	273	345	425	546	806	1,021	804	489	168	73	62	64
80% Exceedance	230	297	387	469	630	796	641	396	97	59	48	51
90% Exceedance	214	241	305	393	482	545	383	198	75	49	38	44
Full Simulation Period Average[a]	371	600	1,278	2,024	2,486	2,222	1,930	1,501	854	442	371	460
Wet Water Years (30%)	492	1,069	2,741	4,311	4,830	4,089	3,660	3,183	1,871	977	728	848
Above Normal Water Years (11%)	313	404	712	2,612	2,894	2,430	1,825	1,427	937	513	544	689
Below Normal Water Years (21%)	365	492	826	1,053	1,776	1,800	1,682	1,038	574	289	300	415
Dry Water Years (22%)	329	389	566	655	1,011	1,126	942	549	221	111	104	142
Critical Water Years (16%)	252	286	500	488	771	639	443	313	130	48	41	71

Table 4C-3-7-4b. Mokelumne River below Cosumnes, Alternative 3 021624, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	550	860	2,789	5,263	5,950	4,740	4,337	4,100	2,255	876	753	863
20% Exceedance	407	587	1,594	3,281	3,651	3,431	2,626	2,189	1,566	770	712	836
30% Exceedance	372	444	839	1,697	2,739	2,359	2,164	1,562	1,203	638	662	798
40% Exceedance	343	409	636	1,286	1,969	1,718	1,700	1,131	627	583	629	753
50% Exceedance	329	388	531	913	1,330	1,401	1,391	894	460	104	280	666
60% Exceedance	312	375	470	687	1,033	1,174	1,041	630	323	82	70	78
70% Exceedance	273	345	425	546	806	1,021	804	489	168	73	62	64
80% Exceedance	230	297	387	469	630	796	641	396	97	59	48	51
90% Exceedance	214	241	305	393	482	545	383	198	75	49	38	44
Full Simulation Period Average[a]	371	600	1,278	2,024	2,486	2,222	1,930	1,501	854	443	371	460
Wet Water Years (30%)	492	1,069	2,741	4,311	4,830	4,089	3,660	3,183	1,871	977	727	848
Above Normal Water Years (11%)	313	404	712	2,612	2,894	2,430	1,825	1,428	937	514	544	689
Below Normal Water Years (21%)	365	492	826	1,053	1,775	1,800	1,682	1,038	574	290	300	415
Dry Water Years (22%)	329	389	566	655	1,011	1,126	942	549	221	111	104	142
Critical Water Years (16%)	252	286	500	488	771	639	443	313	130	48	41	71

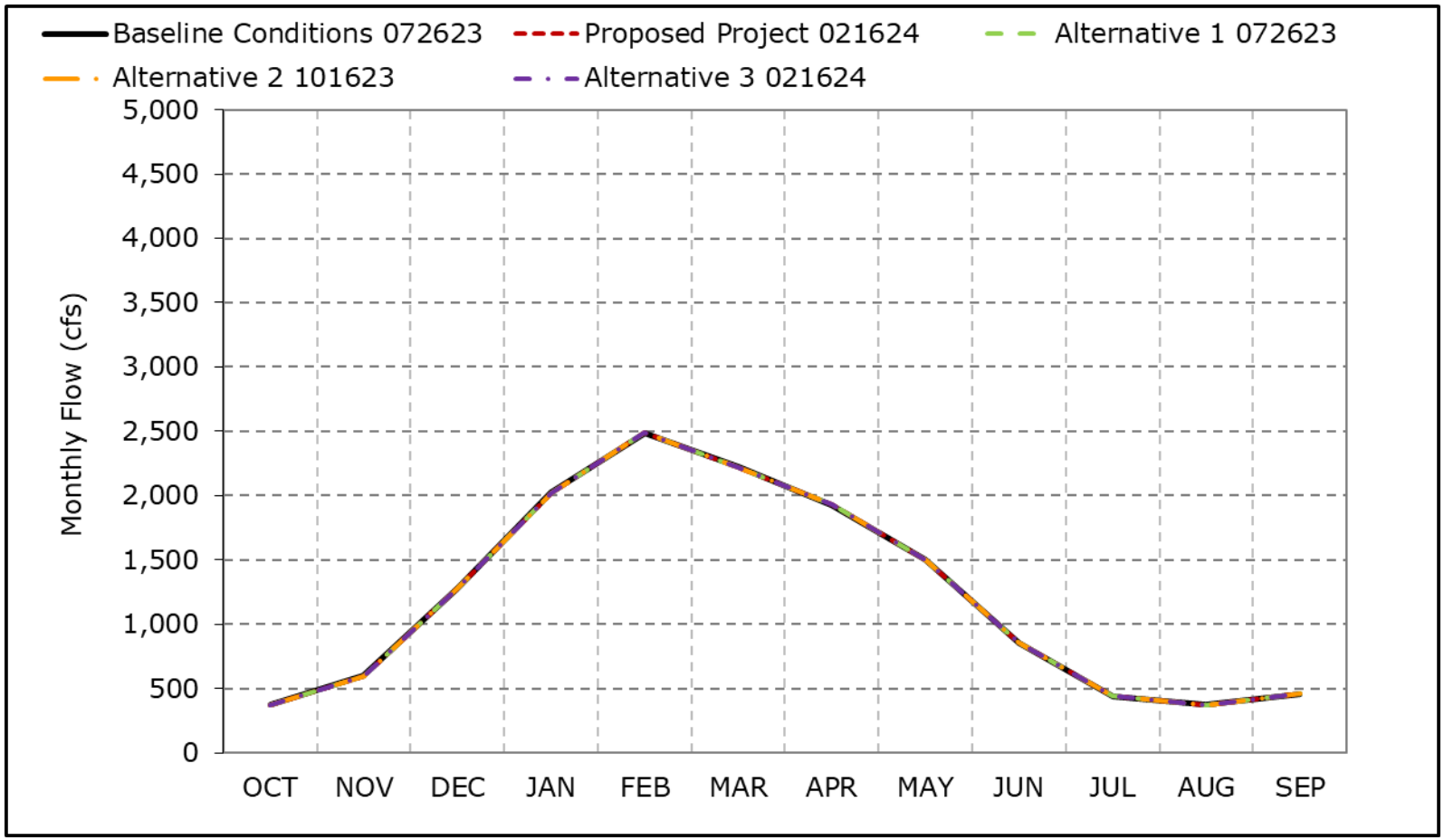
Table 4C-3-7-4c. Mokelumne River below Cosumnes, Alternative 3 021624 minus Baseline Conditions 072623, Monthly Flow (cfs)

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	0	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 (30%)	0	0	0	0	0	0	0	0	0	0	-1	0
Above Normal Water Years (11%)	0	0	0	0	0	0	0	0	0	2	0	0
Below Normal Water Years (21%)	0	0	0	0	0	0	0	0	0	1	0	0
Dry Water Years (22%)	0	0	0	0	0	0	0	0	0	0	0	0
Critical Water Years (16%)	0	0	0	0	0	0	0	0	0	0	0	0

[a] Based on the 100-year simulation period.

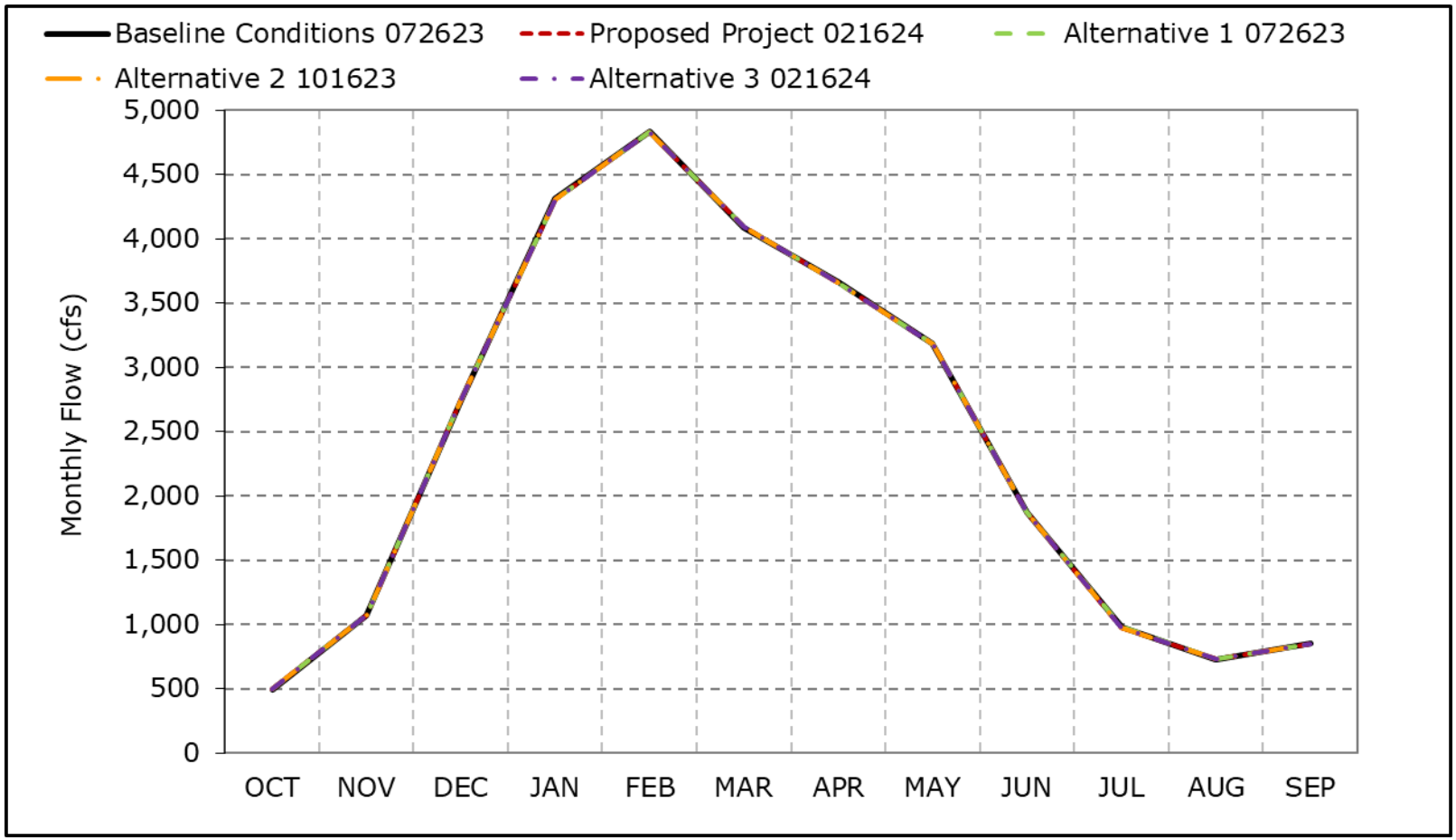
* All scenarios are simulated at current climate condition and 0 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with water year - year type sorting.

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



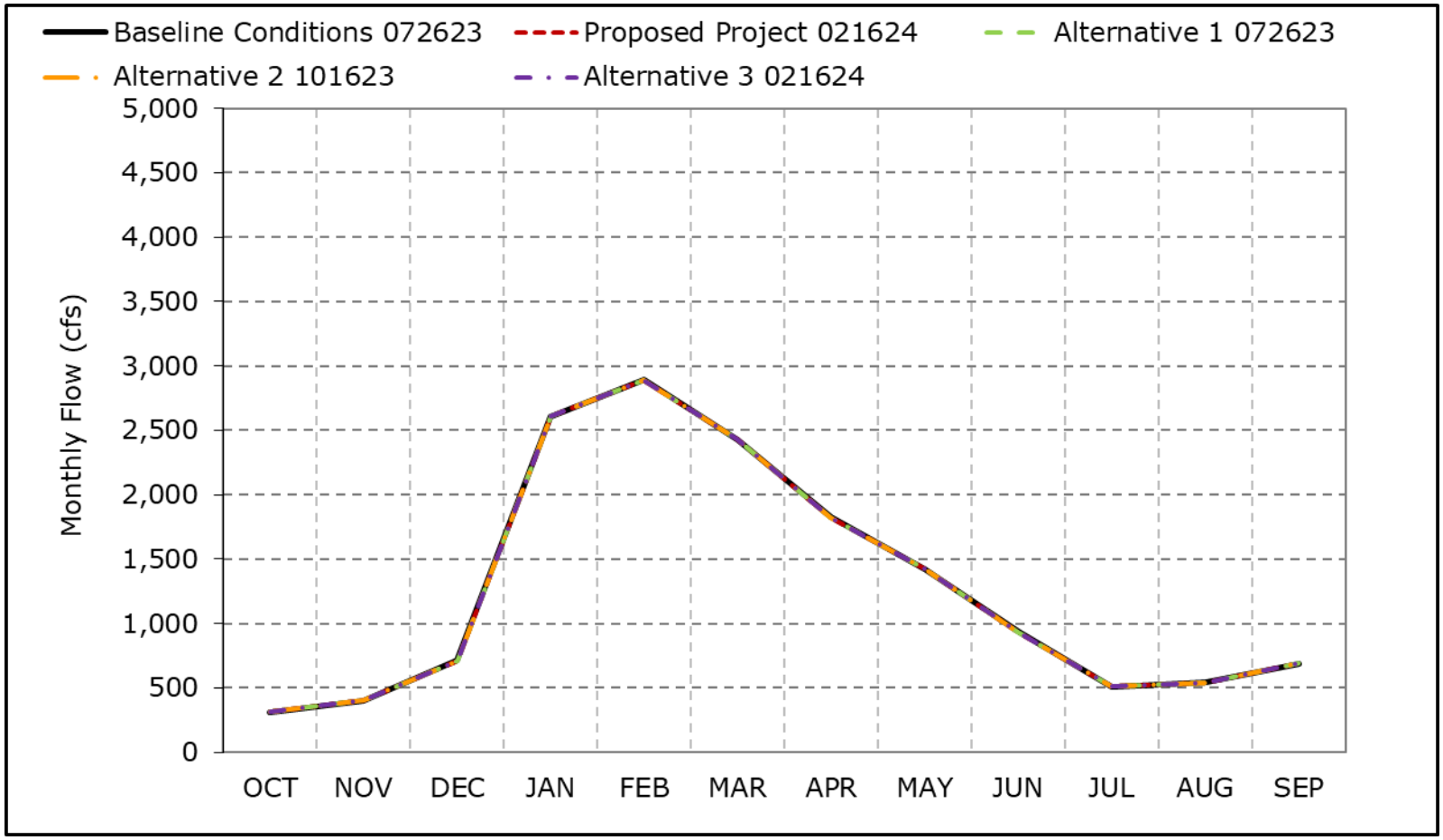
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



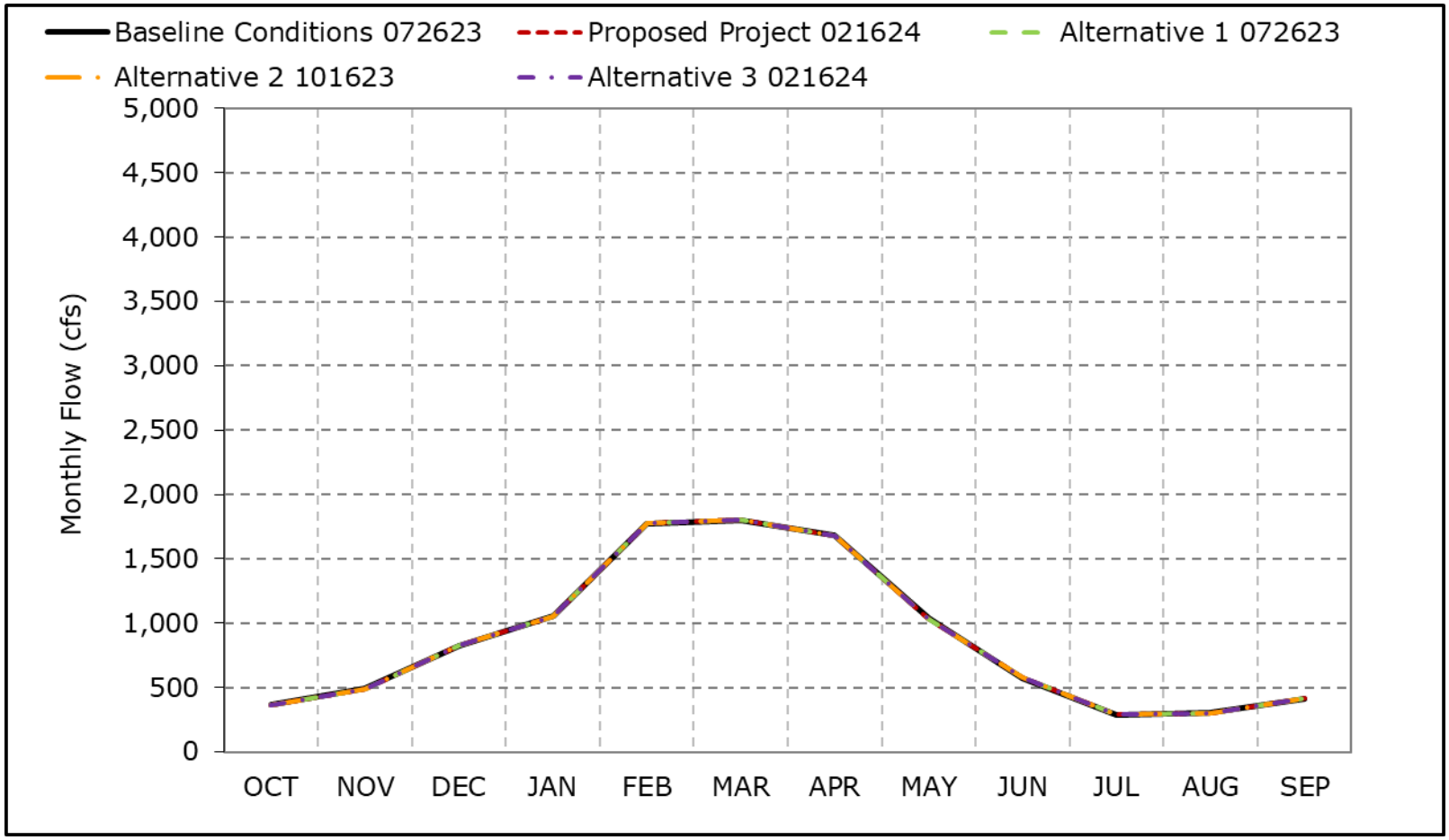
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



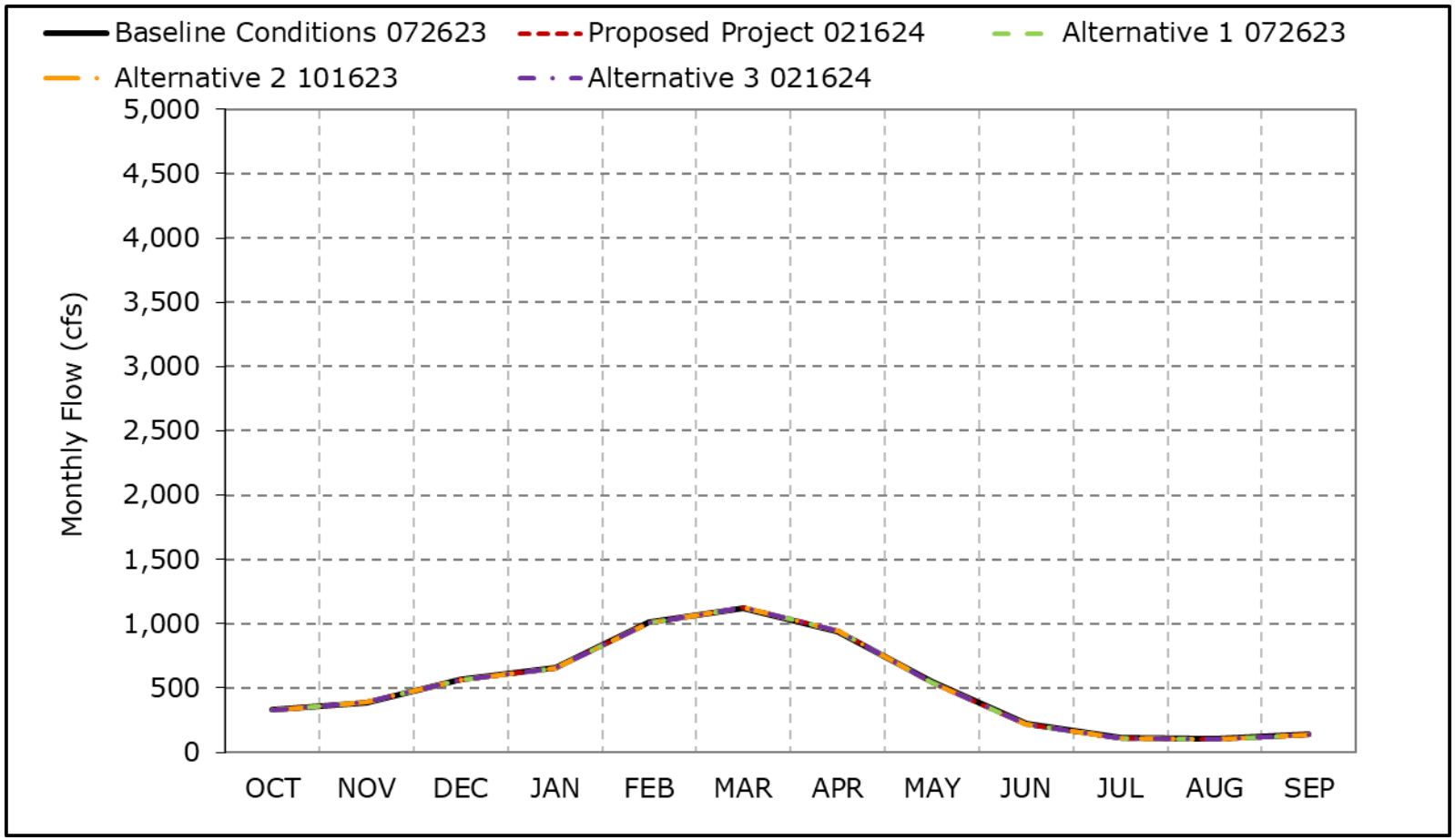
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



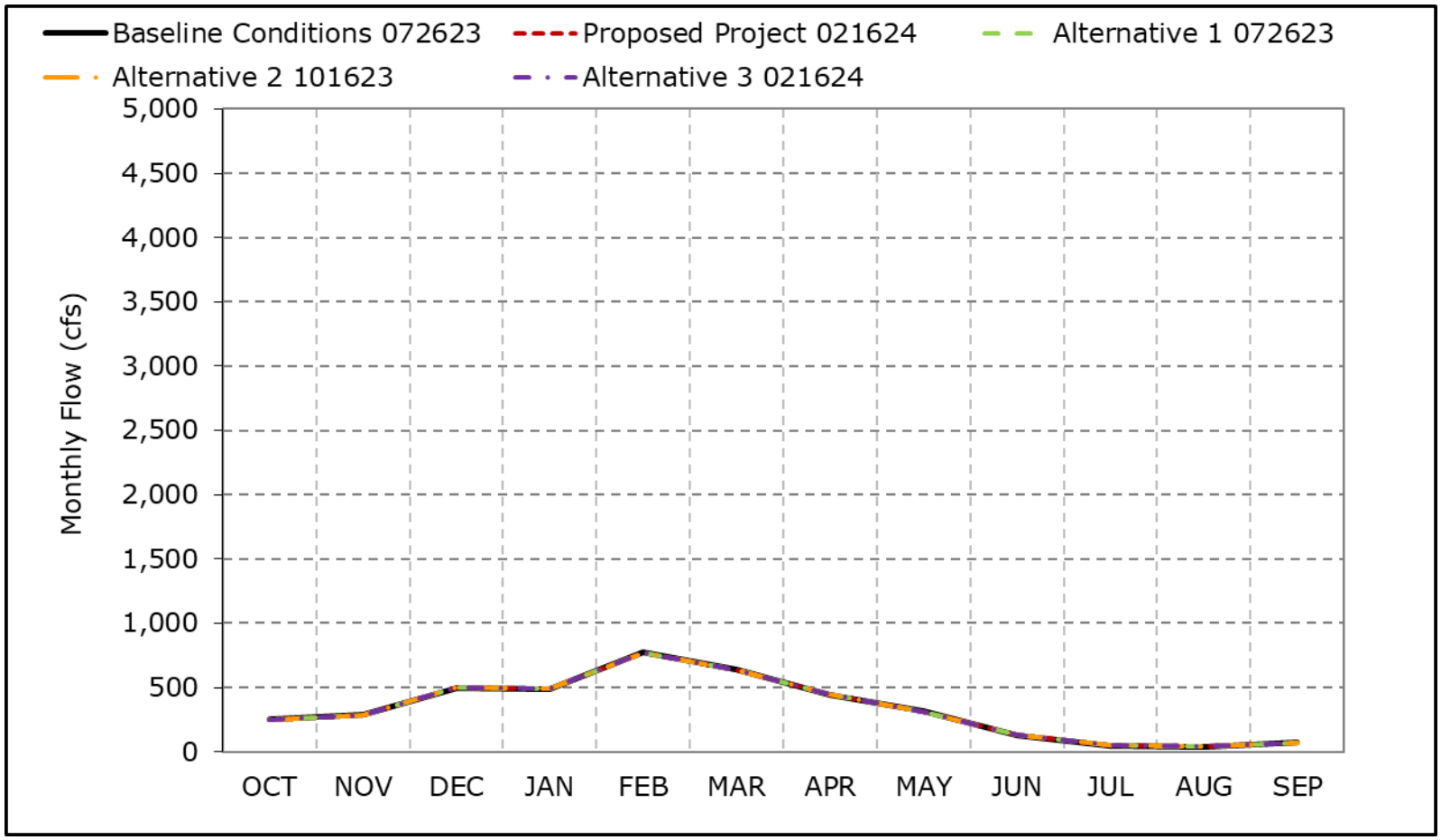
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



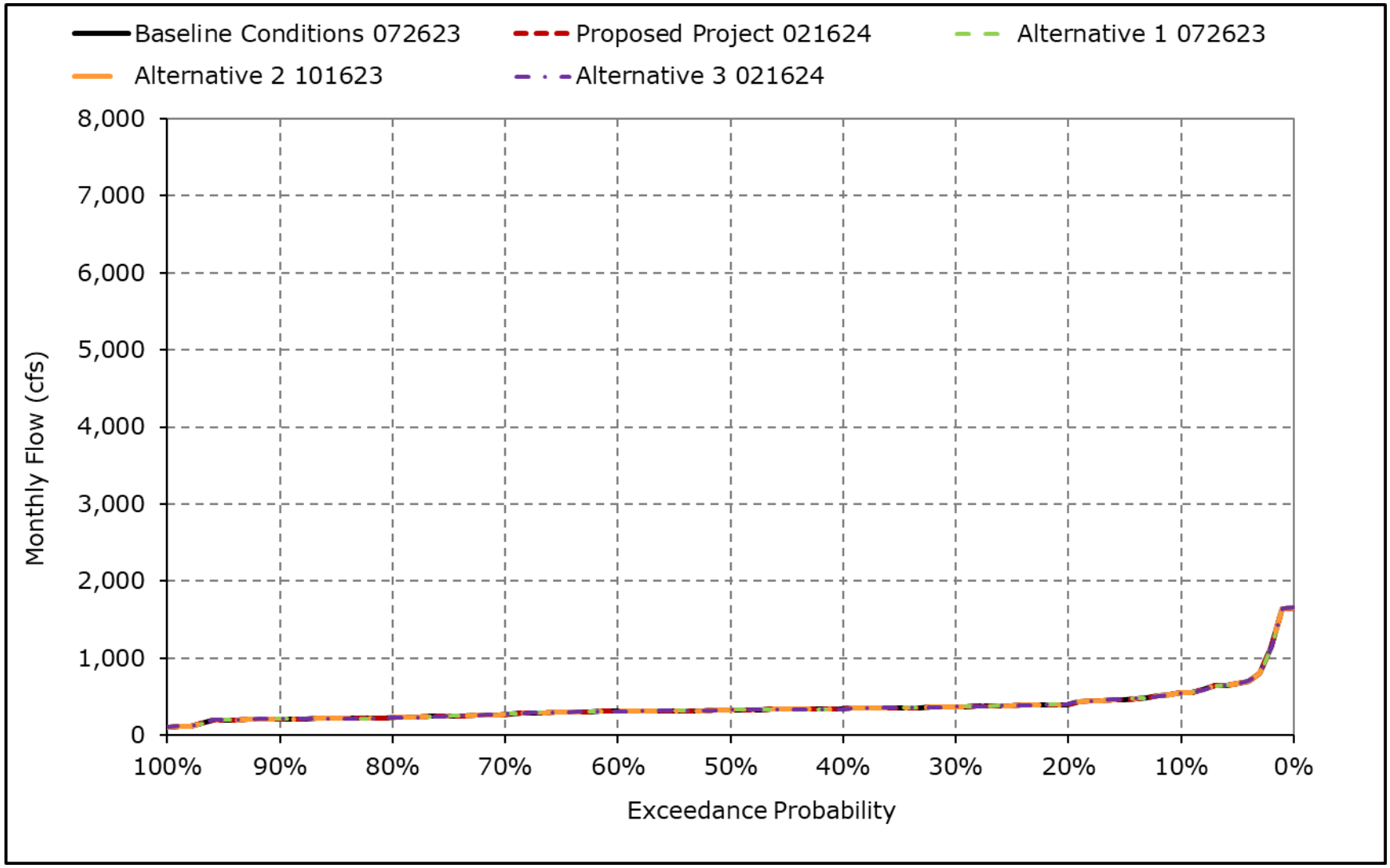
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



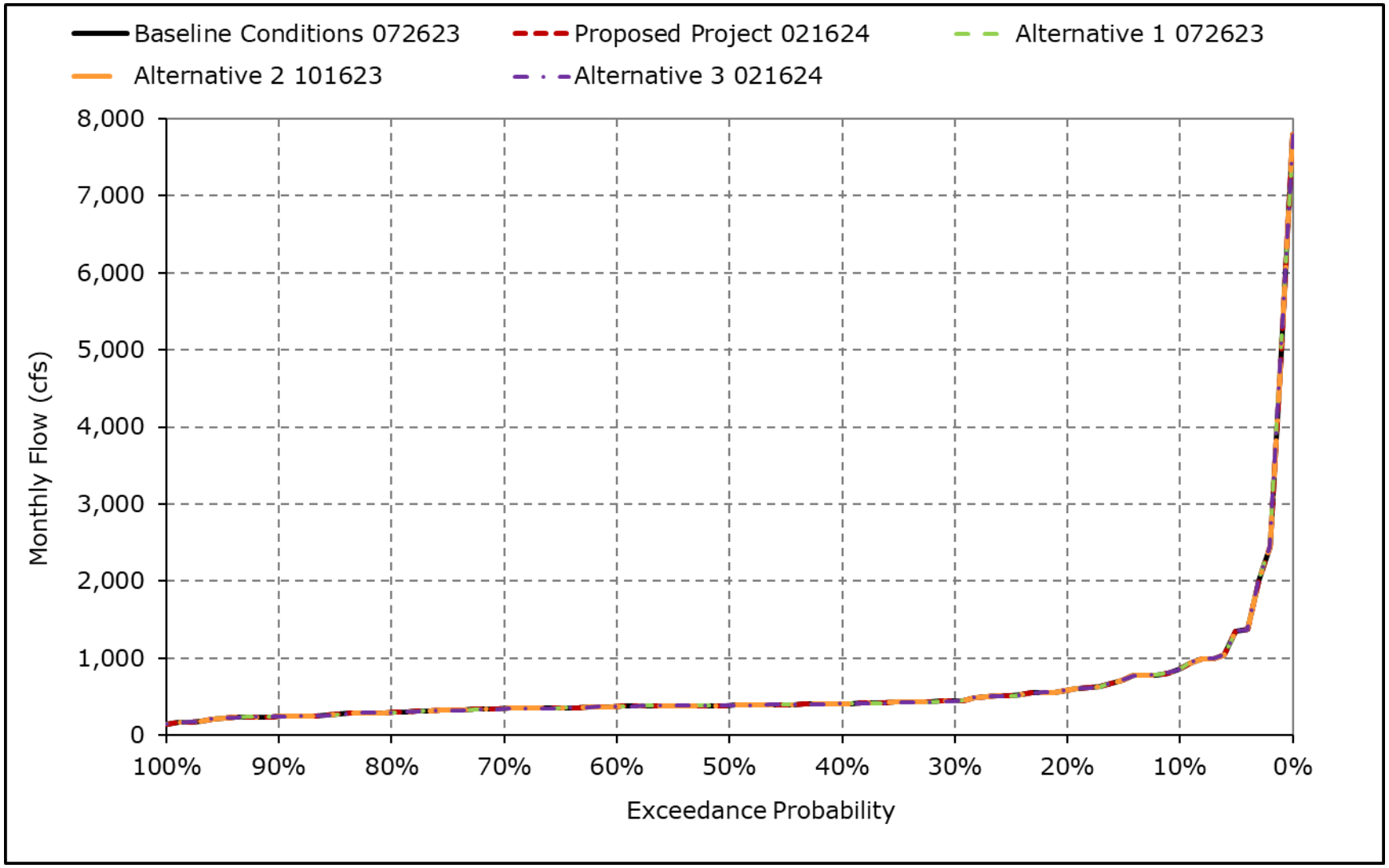
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



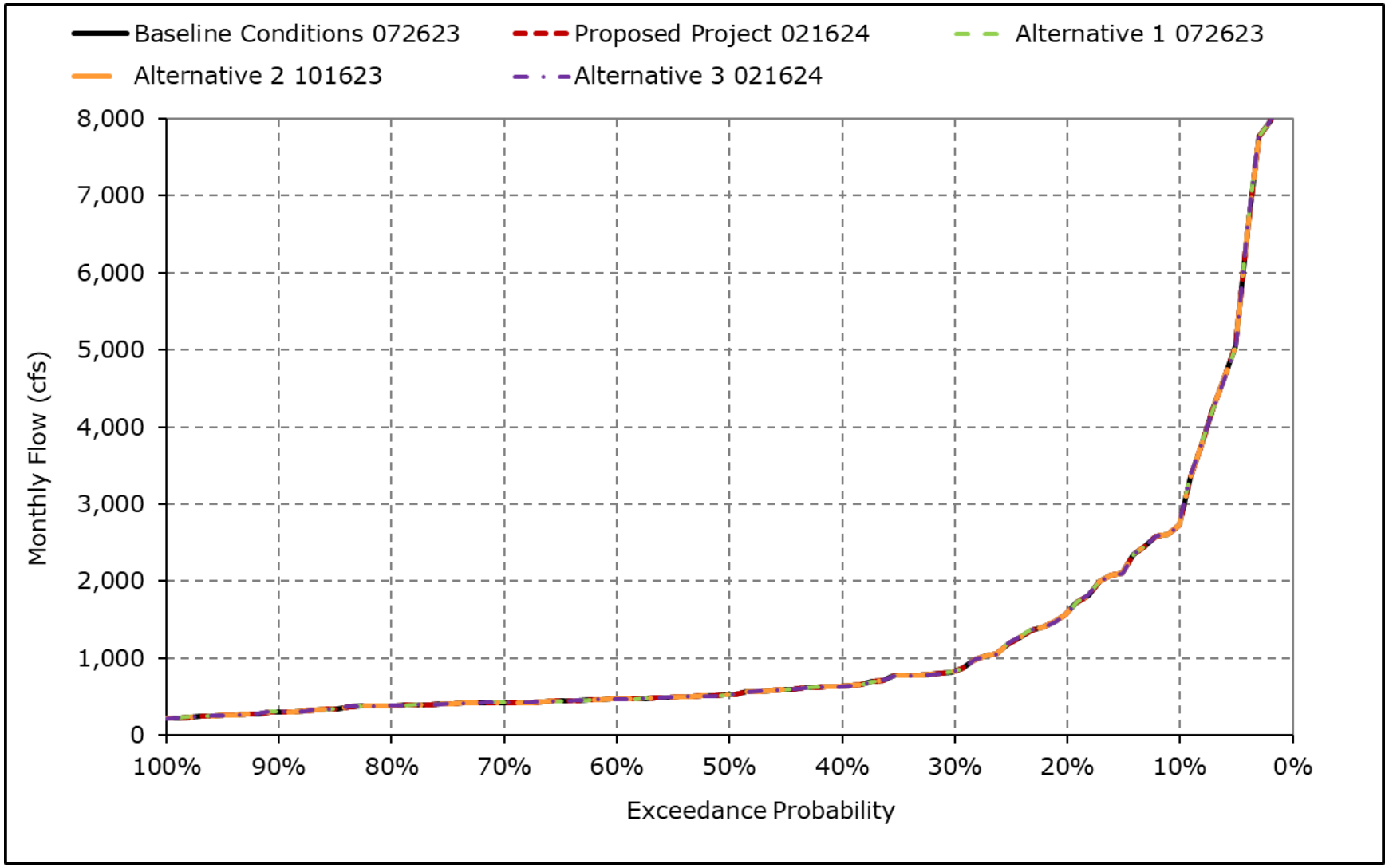
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



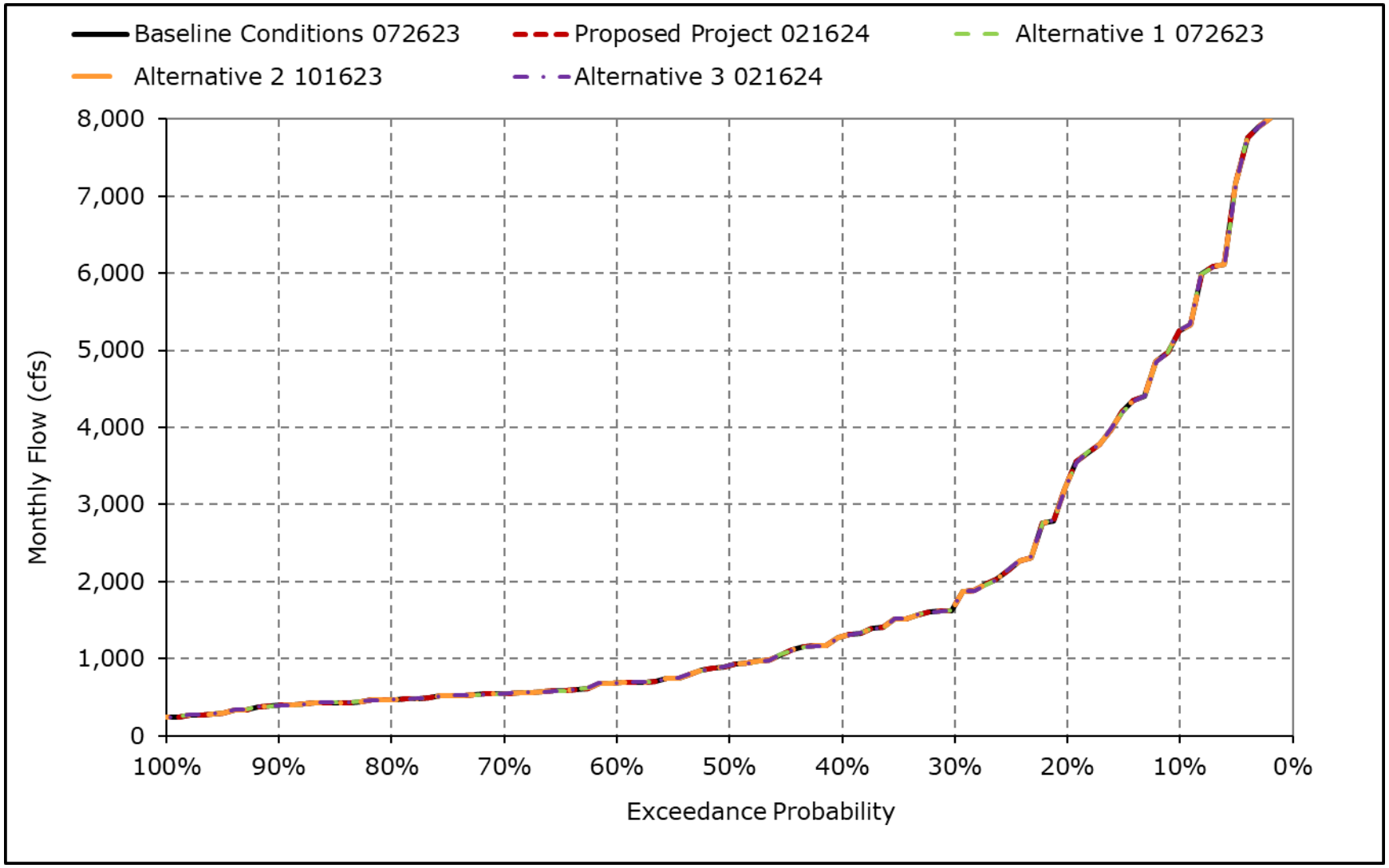
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



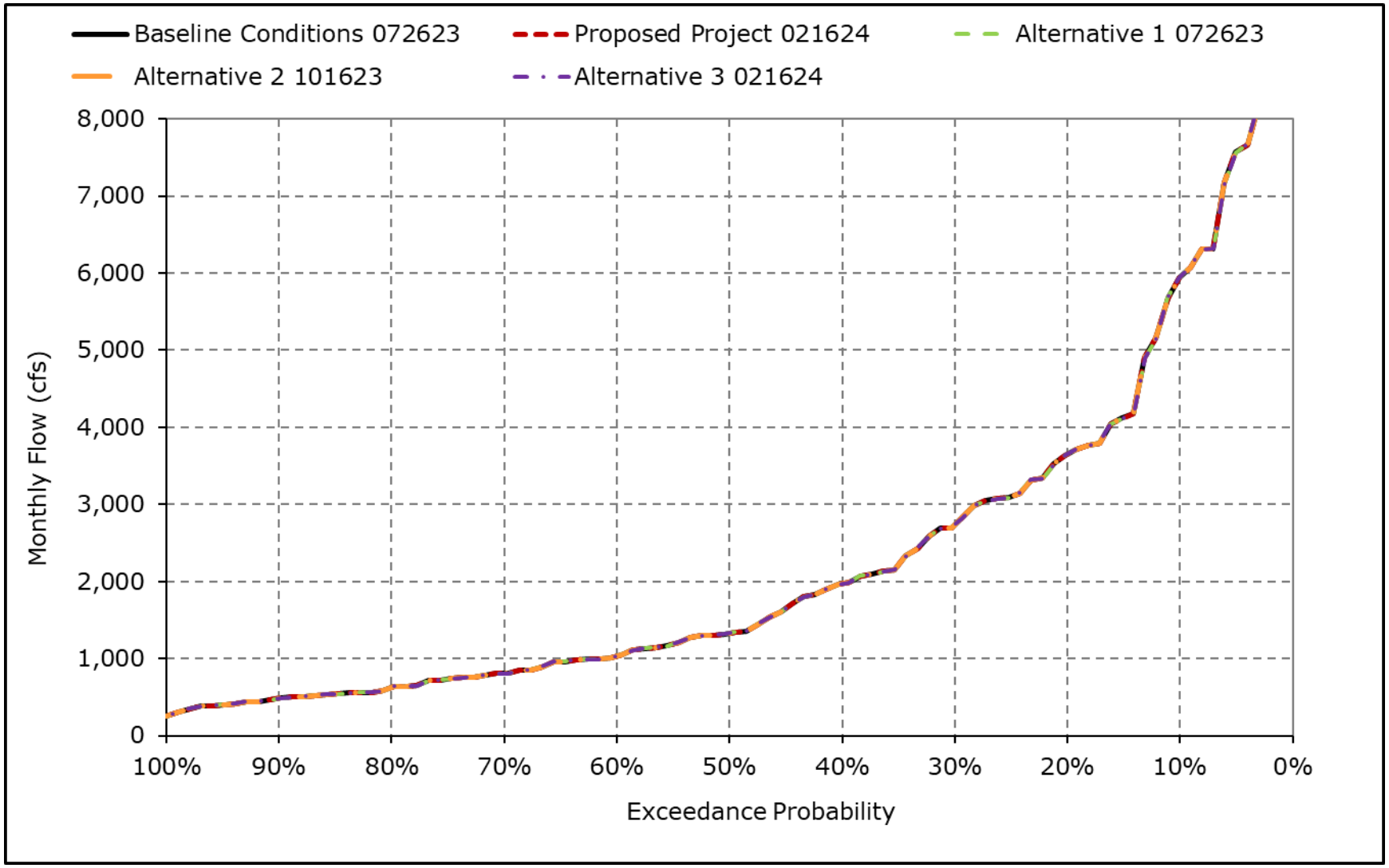
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



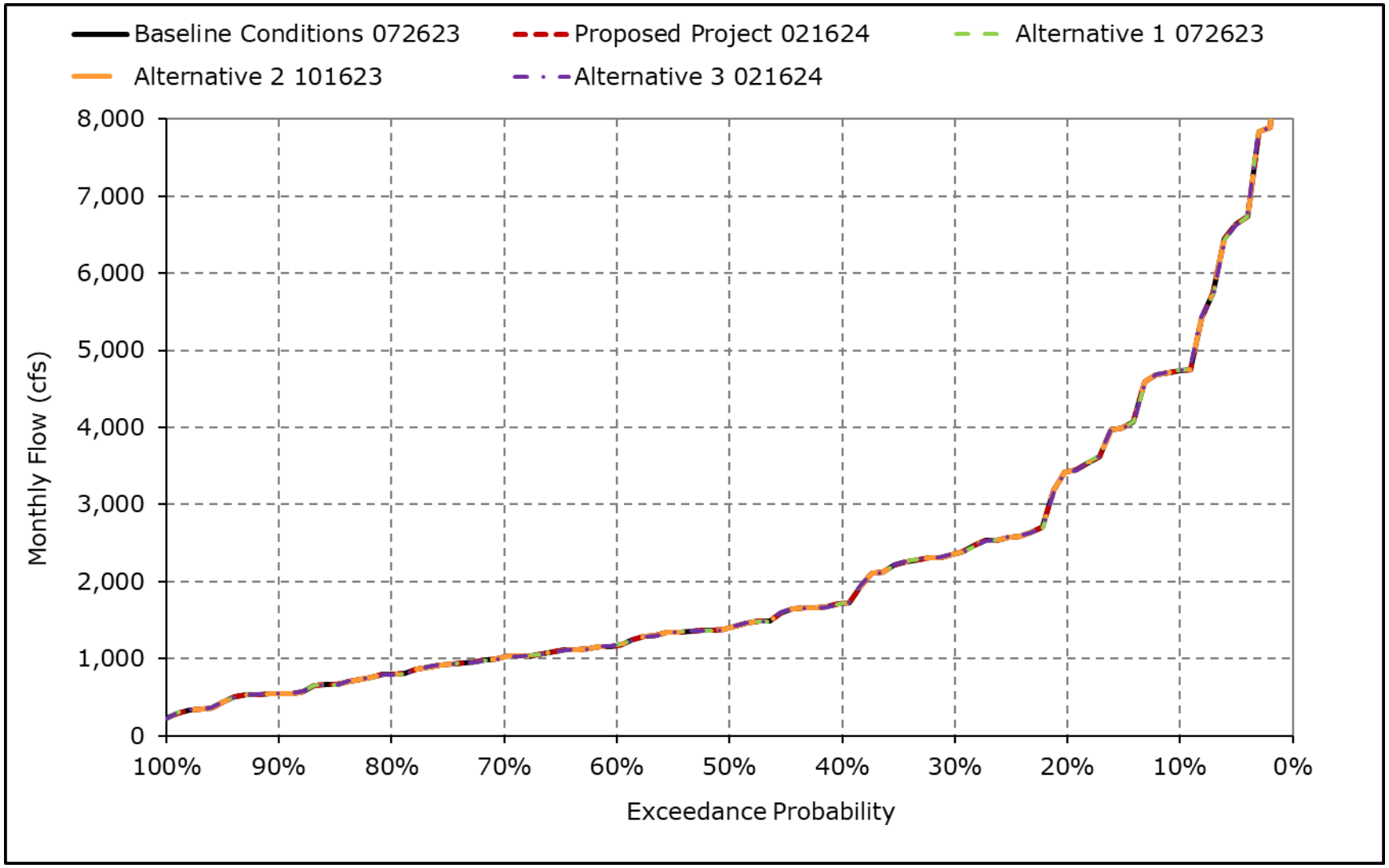
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



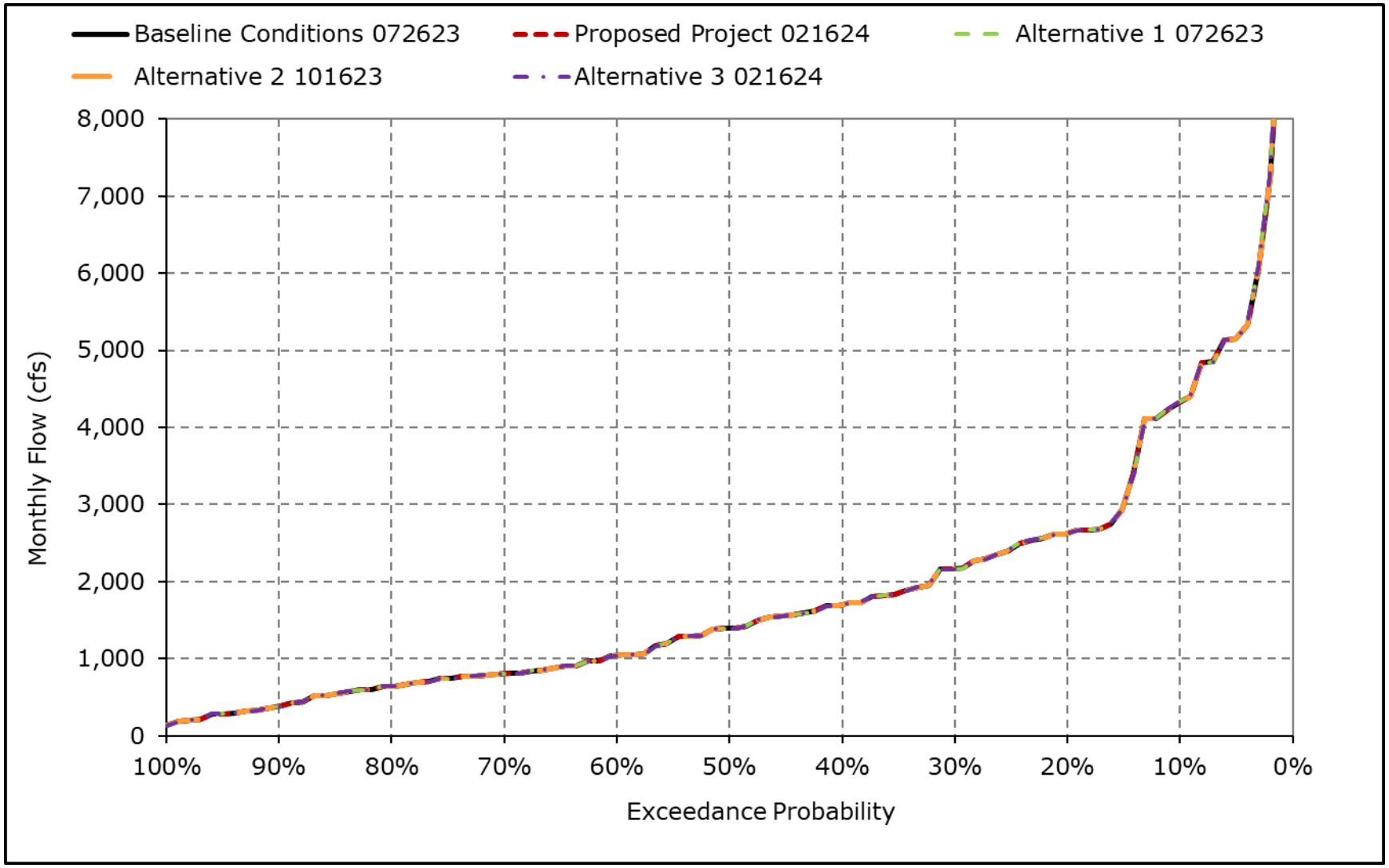
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



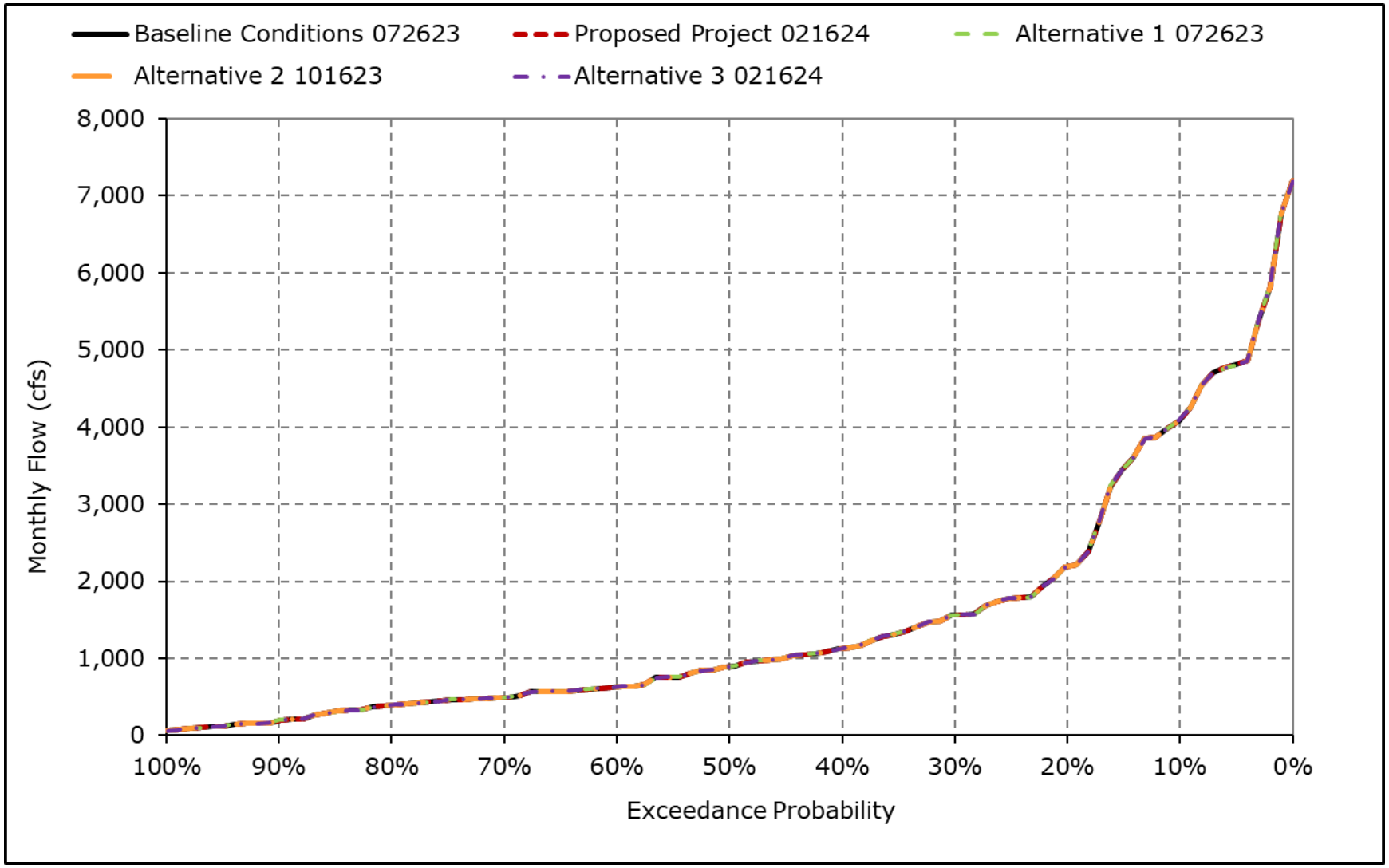
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



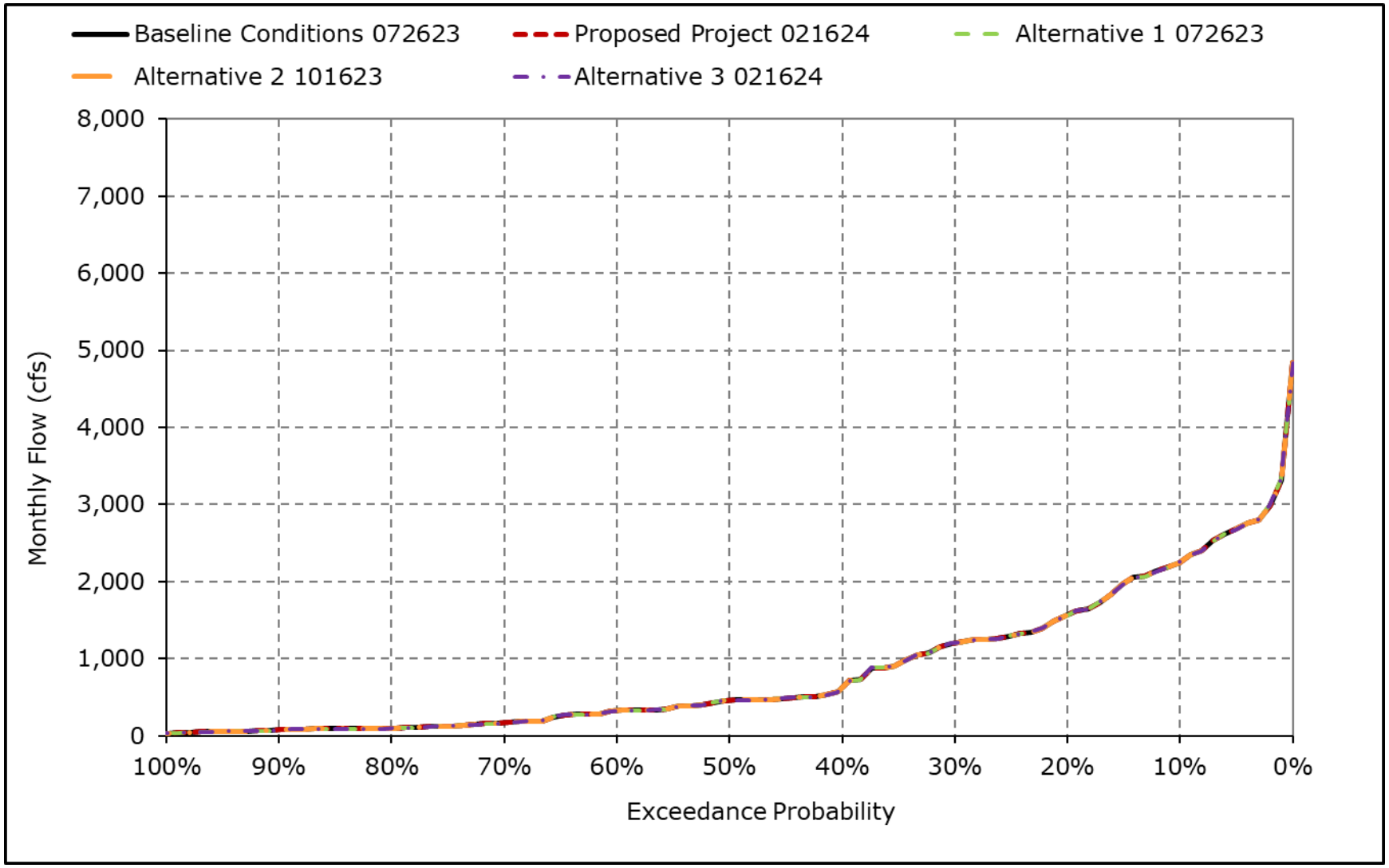
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



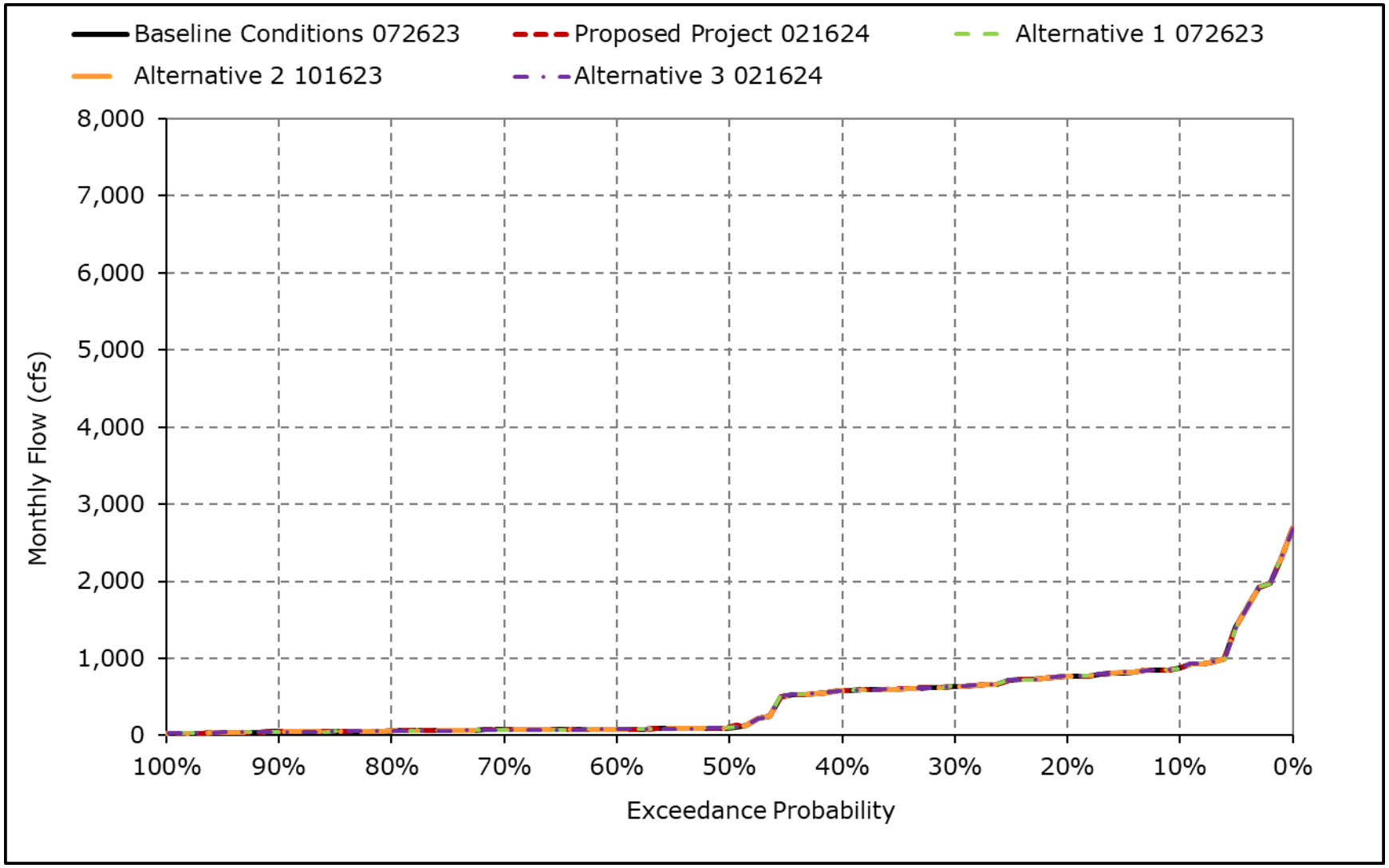
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



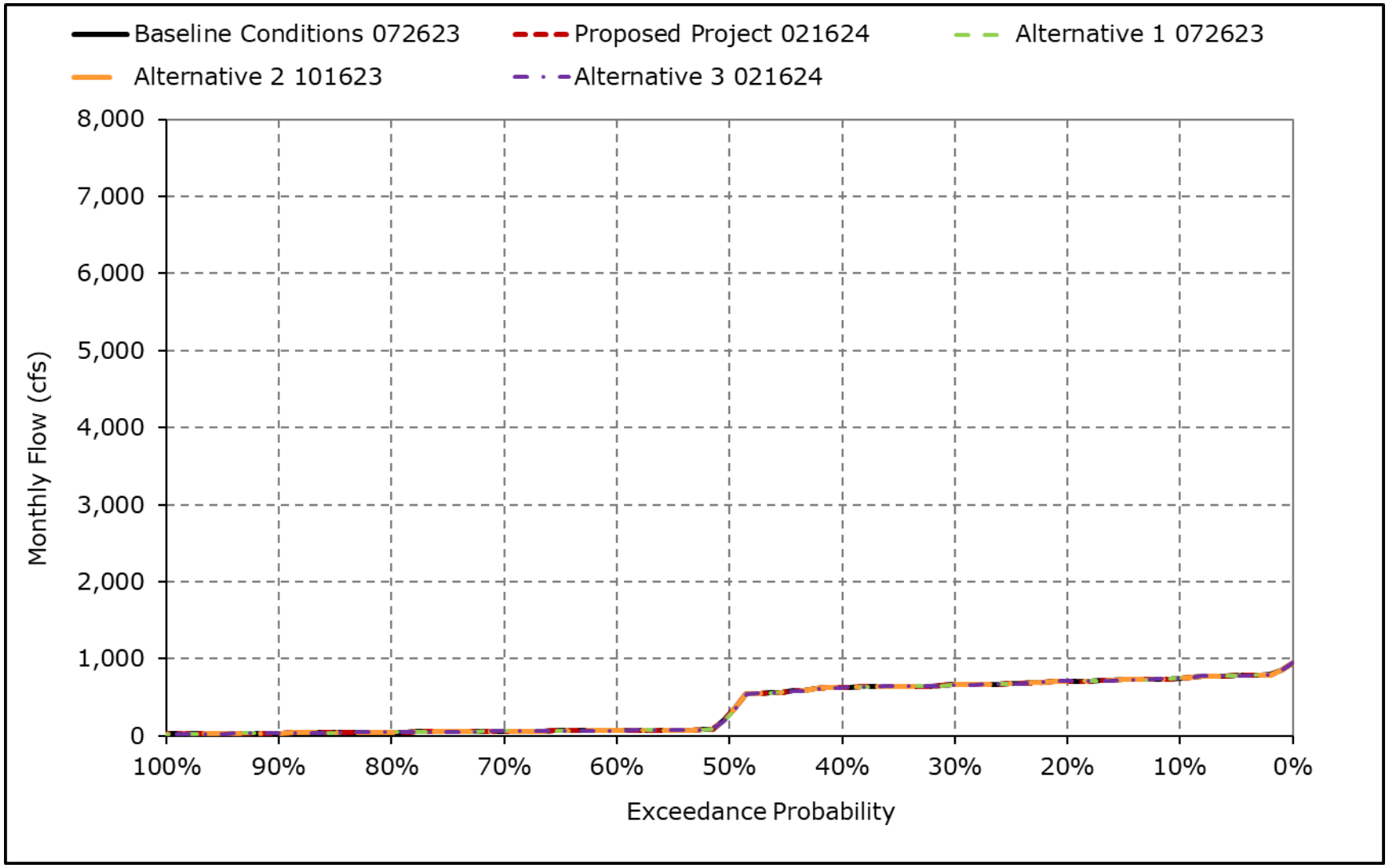
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



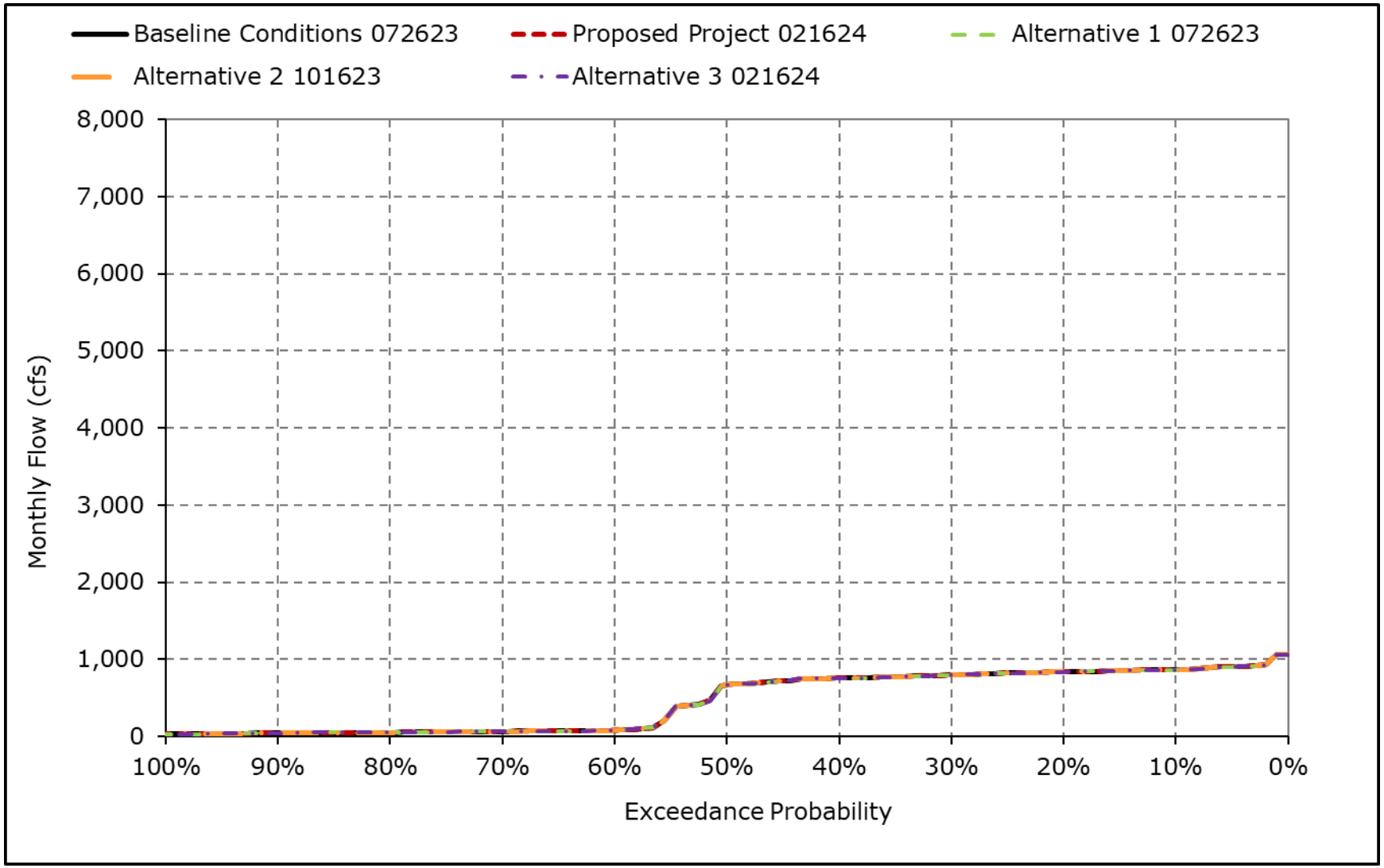
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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 072623, Monthly Flow (combined flows)(cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-2,548	-2,036	-2,941	-2,895	-2,986	-1,292	1,374	144	-2,404	-3,795	-3,266	-3,951
20% Exceedance	-3,327	-3,042	-4,396	-3,645	-4,021	-3,347	347	-391	-3,849	-7,577	-4,979	-5,137
30% Exceedance	-4,137	-4,761	-5,290	-3,645	-4,144	-3,419	-92	-823	-4,304	-9,283	-6,911	-5,569
40% Exceedance	-4,803	-5,924	-5,290	-4,124	-4,144	-3,423	-390	-1,059	-4,538	-9,778	-8,371	-6,732
50% Exceedance	-5,688	-7,819	-5,290	-4,516	-4,316	-3,425	-693	-1,463	-4,865	-10,221	-9,794	-8,068
60% Exceedance	-6,179	-8,547	-5,290	-4,516	-4,316	-3,427	-1,023	-1,650	-5,000	-10,832	-10,499	-8,746
70% Exceedance	-6,795	-8,833	-6,026	-4,516	-4,433	-3,447	-1,177	-1,894	-5,000	-11,094	-10,803	-9,355
80% Exceedance	-7,460	-9,294	-8,198	-5,000	-4,464	-3,981	-1,273	-2,038	-5,000	-11,364	-11,009	-9,572
90% Exceedance	-8,811	-9,473	-9,046	-5,000	-4,610	-3,998	-1,573	-2,887	-5,000	-11,602	-11,432	-10,107
Full Simulation Period Average[a]	-5,593	-6,487	-5,729	-3,842	-3,759	-2,844	-399	-1,296	-4,220	-9,234	-8,387	-7,429
Wet Water Years (30%)	-6,748	-7,677	-5,619	-3,227	-2,824	-1,567	-572	-1,815	-3,972	-9,629	-9,884	-8,746
Above Normal Water Years (11%)	-4,746	-6,678	-6,508	-4,085	-3,838	-3,066	-670	-2,267	-4,754	-10,091	-10,769	-7,756
Below Normal Water Years (21%)	-5,885	-7,064	-6,180	-4,179	-4,212	-3,617	555	-475	-4,861	-11,252	-10,868	-9,625
Dry Water Years (22%)	-5,509	-6,512	-6,282	-4,150	-4,242	-3,744	-617	-981	-4,860	-10,365	-6,670	-5,995
Critical Water Years (16%)	-3,743	-3,330	-4,050	-3,963	-4,199	-2,833	-838	-1,165	-2,598	-3,704	-3,048	-3,822

Table 4C-3-8-1b. Old and Middle River Flow, Proposed Project 021624, Monthly Flow (combined flows)(cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-2,678	-1,937	-2,876	-2,842	-2,973	-1,309	615	-694	-2,402	-3,521	-3,195	-3,951
20% Exceedance	-3,492	-3,159	-4,581	-3,492	-3,622	-2,677	130	-1,106	-3,756	-7,692	-5,492	-5,063
30% Exceedance	-4,324	-4,420	-5,290	-3,645	-3,741	-2,685	-257	-1,294	-4,301	-9,299	-7,000	-5,620
40% Exceedance	-4,799	-6,037	-5,290	-3,876	-3,982	-2,759	-665	-1,436	-4,400	-9,843	-8,993	-6,768
50% Exceedance	-5,606	-7,643	-5,290	-4,055	-4,030	-3,177	-820	-1,728	-4,400	-10,346	-9,865	-8,331
60% Exceedance	-6,145	-8,604	-5,290	-4,343	-4,188	-3,571	-968	-2,042	-4,400	-10,867	-10,733	-9,502
70% Exceedance	-6,710	-8,910	-5,906	-4,516	-4,250	-3,768	-1,157	-3,179	-4,475	-11,169	-10,955	-9,936
80% Exceedance	-7,466	-9,298	-7,818	-4,625	-4,464	-3,773	-1,401	-3,684	-4,475	-11,332	-11,143	-10,588
90% Exceedance	-8,700	-9,475	-9,386	-4,775	-4,485	-4,165	-2,333	-4,033	-4,492	-11,514	-11,467	-10,883
Full Simulation Period Average[a]	-5,557	-6,503	-5,754	-3,631	-3,521	-2,644	-647	-2,082	-3,892	-9,268	-8,563	-7,771
Wet Water Years (30%)	-6,629	-7,738	-5,662	-3,038	-2,870	-1,673	-759	-3,090	-3,724	-9,662	-10,181	-9,779
Above Normal Water Years (11%)	-4,744	-6,635	-6,774	-3,944	-3,475	-2,723	-1,247	-3,299	-4,289	-10,289	-11,004	-8,583
Below Normal Water Years (21%)	-5,925	-7,023	-6,270	-4,003	-3,946	-3,042	85	-1,395	-4,455	-11,193	-10,893	-9,467
Dry Water Years (22%)	-5,452	-6,557	-6,100	-3,985	-3,681	-3,447	-664	-1,256	-4,400	-10,448	-6,878	-5,875
Critical Water Years (16%)	-3,767	-3,339	-4,073	-3,555	-3,996	-2,785	-960	-1,394	-2,499	-3,678	-3,109	-3,827

Table 4C-3-8-1c. Old and Middle River Flow, Proposed Project 021624 minus Baseline Conditions 072623, Monthly Flow (combined flows)(cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-130	99	64	52	13	-17	-759	-839	2	274	71	1
20% Exceedance	-165	-118	-185	153	398	671	-217	-715	93	-115	-514	73
30% Exceedance	-187	341	0	0	403	734	-165	-472	3	-16	-89	-51
40% Exceedance	4	-114	0	248	162	665	-275	-377	138	-66	-622	-36
50% Exceedance	82	176	0	461	286	248	-126	-266	465	-124	-71	-263
60% Exceedance	34	-57	0	173	128	-144	55	-392	600	-35	-233	-756
70% Exceedance	85	-77	120	0	183	-321	21	-1,286	525	-75	-153	-581
80% Exceedance	-6	-4	380	375	0	208	-128	-1,646	525	32	-134	-1,016
90% Exceedance	111	-2	-340	225	125	-167	-760	-1,145	509	88	-35	-776
Full Simulation Period Average[a]	36	-16	-25	210	238	200	-248	-787	328	-34	-175	-342
Wet Water Years (30%)	119	-61	-43	189	-45	-106	-187	-1,275	248	-33	-297	-1,033
Above Normal Water Years (11%)	2	44	-267	141	363	343	-577	-1,032	465	-198	-235	-827
Below Normal Water Years (21%)	-40	40	-89	175	266	576	-470	-921	406	59	-25	158
Dry Water Years (22%)	57	-46	182	165	561	297	-47	-275	460	-84	-207	120
Critical Water Years (16%)	-24	-9	-23	408	204	48	-122	-229	99	26	-61	-5

[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 072623, Monthly Flow (combined flows)(cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-2,548	-2,036	-2,941	-2,895	-2,986	-1,292	1,374	144	-2,404	-3,795	-3,266	-3,951
20% Exceedance	-3,327	-3,042	-4,396	-3,645	-4,021	-3,347	347	-391	-3,849	-7,577	-4,979	-5,137
30% Exceedance	-4,137	-4,761	-5,290	-3,645	-4,144	-3,419	-92	-823	-4,304	-9,283	-6,911	-5,569
40% Exceedance	-4,803	-5,924	-5,290	-4,124	-4,144	-3,423	-390	-1,059	-4,538	-9,778	-8,371	-6,732
50% Exceedance	-5,688	-7,819	-5,290	-4,516	-4,316	-3,425	-693	-1,463	-4,865	-10,221	-9,794	-8,068
60% Exceedance	-6,179	-8,547	-5,290	-4,516	-4,316	-3,427	-1,023	-1,650	-5,000	-10,832	-10,499	-8,746
70% Exceedance	-6,795	-8,833	-6,026	-4,516	-4,433	-3,447	-1,177	-1,894	-5,000	-11,094	-10,803	-9,355
80% Exceedance	-7,460	-9,294	-8,198	-5,000	-4,464	-3,981	-1,273	-2,038	-5,000	-11,364	-11,009	-9,572
90% Exceedance	-8,811	-9,473	-9,046	-5,000	-4,610	-3,998	-1,573	-2,887	-5,000	-11,602	-11,432	-10,107
Full Simulation Period Average[a]	-5,593	-6,487	-5,729	-3,842	-3,759	-2,844	-399	-1,296	-4,220	-9,234	-8,387	-7,429
Wet Water Years (30%)	-6,748	-7,677	-5,619	-3,227	-2,824	-1,567	-572	-1,815	-3,972	-9,629	-9,884	-8,746
Above Normal Water Years (11%)	-4,746	-6,678	-6,508	-4,085	-3,838	-3,066	-670	-2,267	-4,754	-10,091	-10,769	-7,756
Below Normal Water Years (21%)	-5,885	-7,064	-6,180	-4,179	-4,212	-3,617	555	-475	-4,861	-11,252	-10,868	-9,625
Dry Water Years (22%)	-5,509	-6,512	-6,282	-4,150	-4,242	-3,744	-617	-981	-4,860	-10,365	-6,670	-5,995
Critical Water Years (16%)	-3,743	-3,330	-4,050	-3,963	-4,199	-2,833	-838	-1,165	-2,598	-3,704	-3,048	-3,822

Table 4C-3-8-2b. Old and Middle River Flow, Alternative 1 072623, Monthly Flow (combined flows)(cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-2,685	-2,088	-2,539	-2,756	-3,173	-1,308	615	-678	-2,311	-3,443	-2,644	-3,951
20% Exceedance	-3,317	-3,305	-4,347	-3,492	-3,622	-2,665	133	-1,094	-3,529	-7,736	-5,489	-5,075
30% Exceedance	-4,338	-4,421	-5,290	-3,645	-3,741	-2,685	-257	-1,300	-4,301	-9,306	-7,050	-5,656
40% Exceedance	-4,752	-6,013	-5,290	-3,876	-3,982	-2,756	-680	-1,459	-4,399	-9,890	-8,971	-6,754
50% Exceedance	-5,659	-7,640	-5,290	-4,055	-4,030	-2,875	-820	-1,728	-4,400	-10,408	-9,860	-8,366
60% Exceedance	-6,146	-8,600	-5,290	-4,343	-4,188	-3,570	-968	-2,044	-4,400	-10,867	-10,725	-9,499
70% Exceedance	-6,724	-8,910	-6,272	-4,516	-4,250	-3,757	-1,159	-3,179	-4,475	-11,190	-10,954	-9,944
80% Exceedance	-7,472	-9,297	-7,828	-4,625	-4,464	-3,772	-1,382	-3,691	-4,475	-11,413	-11,161	-10,583
90% Exceedance	-8,701	-9,475	-9,361	-4,775	-4,485	-3,959	-2,377	-4,032	-4,492	-11,557	-11,467	-10,881
Full Simulation Period Average[a]	-5,553	-6,514	-5,692	-3,631	-3,555	-2,611	-651	-2,082	-3,868	-9,279	-8,533	-7,785
Wet Water Years (30%)	-6,613	-7,726	-5,587	-3,068	-2,870	-1,544	-763	-3,085	-3,724	-9,659	-10,187	-9,779
Above Normal Water Years (11%)	-4,727	-6,603	-6,479	-3,944	-3,474	-2,723	-1,328	-3,306	-4,289	-10,312	-10,984	-8,649
Below Normal Water Years (21%)	-5,932	-7,011	-6,203	-4,011	-3,946	-3,042	105	-1,395	-4,455	-11,223	-10,889	-9,472
Dry Water Years (22%)	-5,456	-6,553	-6,087	-3,988	-3,835	-3,448	-660	-1,257	-4,352	-10,506	-6,831	-5,903
Critical Water Years (16%)	-3,770	-3,472	-4,135	-3,480	-3,996	-2,818	-958	-1,394	-2,411	-3,620	-2,996	-3,824

Table 4C-3-8-2c. Old and Middle River Flow, Alternative 1 072623 minus Baseline Conditions 072623, Monthly Flow (combined flows)(cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-138	-51	402	139	-186	-15	-759	-823	93	352	622	1
20% Exceedance	9	-263	48	153	399	683	-215	-704	320	-160	-510	62
30% Exceedance	-201	341	0	0	403	734	-165	-478	3	-23	-139	-87
40% Exceedance	52	-90	0	248	162	668	-290	-400	139	-112	-600	-22
50% Exceedance	29	179	0	461	286	550	-126	-266	465	-187	-66	-298
60% Exceedance	33	-53	0	173	128	-143	56	-394	600	-36	-226	-753
70% Exceedance	71	-76	-246	0	183	-311	19	-1,285	525	-96	-152	-590
80% Exceedance	-12	-2	370	375	0	208	-108	-1,654	525	-49	-151	-1,011
90% Exceedance	110	-2	-316	225	125	39	-804	-1,144	509	45	-35	-774
Full Simulation Period Average[a]	40	-27	38	211	204	233	-253	-786	352	-45	-146	-356
Wet Water Years (30%)	135	-49	32	159	-46	23	-190	-1,271	248	-31	-302	-1,033
Above Normal Water Years (11%)	20	75	29	141	364	343	-658	-1,039	465	-221	-214	-893
Below Normal Water Years (21%)	-47	53	-22	167	266	576	-450	-920	406	29	-21	154
Dry Water Years (22%)	53	-41	195	162	407	296	-43	-276	508	-142	-161	92
Critical Water Years (16%)	-27	-142	-85	483	204	15	-120	-229	187	84	53	-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-3-8-3a. Old and Middle River Flow, Baseline Conditions 072623, Monthly Flow (combined flows)(cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-2,548	-2,036	-2,941	-2,895	-2,986	-1,292	1,374	144	-2,404	-3,795	-3,266	-3,951
20% Exceedance	-3,327	-3,042	-4,396	-3,645	-4,021	-3,347	347	-391	-3,849	-7,577	-4,979	-5,137
30% Exceedance	-4,137	-4,761	-5,290	-3,645	-4,144	-3,419	-92	-823	-4,304	-9,283	-6,911	-5,569
40% Exceedance	-4,803	-5,924	-5,290	-4,124	-4,144	-3,423	-390	-1,059	-4,538	-9,778	-8,371	-6,732
50% Exceedance	-5,688	-7,819	-5,290	-4,516	-4,316	-3,425	-693	-1,463	-4,865	-10,221	-9,794	-8,068
60% Exceedance	-6,179	-8,547	-5,290	-4,516	-4,316	-3,427	-1,023	-1,650	-5,000	-10,832	-10,499	-8,746
70% Exceedance	-6,795	-8,833	-6,026	-4,516	-4,433	-3,447	-1,177	-1,894	-5,000	-11,094	-10,803	-9,355
80% Exceedance	-7,460	-9,294	-8,198	-5,000	-4,464	-3,981	-1,273	-2,038	-5,000	-11,364	-11,009	-9,572
90% Exceedance	-8,811	-9,473	-9,046	-5,000	-4,610	-3,998	-1,573	-2,887	-5,000	-11,602	-11,432	-10,107
Full Simulation Period Average[a]	-5,593	-6,487	-5,729	-3,842	-3,759	-2,844	-399	-1,296	-4,220	-9,234	-8,387	-7,429
Wet Water Years (30%)	-6,748	-7,677	-5,619	-3,227	-2,824	-1,567	-572	-1,815	-3,972	-9,629	-9,884	-8,746
Above Normal Water Years (11%)	-4,746	-6,678	-6,508	-4,085	-3,838	-3,066	-670	-2,267	-4,754	-10,091	-10,769	-7,756
Below Normal Water Years (21%)	-5,885	-7,064	-6,180	-4,179	-4,212	-3,617	555	-475	-4,861	-11,252	-10,868	-9,625
Dry Water Years (22%)	-5,509	-6,512	-6,282	-4,150	-4,242	-3,744	-617	-981	-4,860	-10,365	-6,670	-5,995
Critical Water Years (16%)	-3,743	-3,330	-4,050	-3,963	-4,199	-2,833	-838	-1,165	-2,598	-3,704	-3,048	-3,822

Table 4C-3-8-3b. Old and Middle River Flow, Alternative 2 101623, Monthly Flow (combined flows)(cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-2,683	-2,085	-2,868	-2,768	-3,019	-1,309	615	-680	-2,300	-3,430	-2,664	-3,952
20% Exceedance	-3,318	-3,290	-4,348	-3,492	-3,623	-2,677	152	-1,094	-3,530	-7,737	-5,489	-5,075
30% Exceedance	-4,319	-4,419	-5,290	-3,645	-3,741	-2,685	-257	-1,300	-4,301	-9,313	-7,048	-5,653
40% Exceedance	-4,751	-6,013	-5,290	-3,876	-3,982	-2,759	-680	-1,459	-4,399	-9,890	-8,980	-6,754
50% Exceedance	-5,656	-7,641	-5,290	-4,055	-4,030	-3,177	-820	-1,728	-4,400	-10,349	-9,860	-8,378
60% Exceedance	-6,149	-8,600	-5,290	-4,343	-4,188	-3,571	-968	-2,044	-4,400	-10,867	-10,726	-9,496
70% Exceedance	-6,723	-8,910	-6,272	-4,516	-4,250	-3,768	-1,159	-3,179	-4,475	-11,190	-10,954	-9,946
80% Exceedance	-7,471	-9,297	-7,855	-4,625	-4,464	-3,773	-1,382	-3,691	-4,475	-11,402	-11,161	-10,583
90% Exceedance	-8,701	-9,475	-9,392	-4,775	-4,485	-4,164	-2,377	-4,032	-4,492	-11,556	-11,467	-10,881
Full Simulation Period Average[a]	-5,552	-6,510	-5,750	-3,622	-3,549	-2,652	-648	-2,083	-3,869	-9,280	-8,535	-7,786
Wet Water Years (30%)	-6,613	-7,726	-5,667	-3,038	-2,869	-1,682	-758	-3,087	-3,724	-9,665	-10,187	-9,781
Above Normal Water Years (11%)	-4,723	-6,592	-6,619	-3,944	-3,444	-2,723	-1,311	-3,306	-4,289	-10,312	-10,984	-8,647
Below Normal Water Years (21%)	-5,932	-7,011	-6,272	-4,011	-3,946	-3,042	106	-1,395	-4,455	-11,222	-10,888	-9,475
Dry Water Years (22%)	-5,452	-6,554	-6,106	-3,990	-3,826	-3,447	-660	-1,258	-4,357	-10,502	-6,840	-5,902
Critical Water Years (16%)	-3,769	-3,457	-4,135	-3,479	-3,997	-2,817	-959	-1,394	-2,410	-3,618	-2,996	-3,824

Table 4C-3-8-3c. Old and Middle River Flow, Alternative 2 101623 minus Baseline Conditions 072623, Monthly Flow (combined flows)(cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-135	-49	73	127	-33	-17	-759	-824	104	365	602	-1
20% Exceedance	9	-248	47	153	398	671	-196	-704	320	-161	-510	62
30% Exceedance	-182	342	0	0	403	734	-165	-478	3	-30	-137	-83
40% Exceedance	52	-90	0	248	162	665	-290	-400	139	-112	-609	-22
50% Exceedance	33	179	0	461	286	248	-127	-266	465	-128	-66	-310
60% Exceedance	31	-53	0	173	128	-144	55	-394	600	-36	-227	-751
70% Exceedance	72	-76	-246	0	183	-321	19	-1,285	525	-96	-152	-591
80% Exceedance	-11	-2	343	375	0	208	-108	-1,654	525	-38	-151	-1,011
90% Exceedance	110	-2	-347	225	125	-166	-804	-1,144	509	46	-35	-774
Full Simulation Period Average[a]	42	-24	-21	220	209	192	-249	-787	351	-45	-148	-357
Wet Water Years (30%)	136	-49	-48	189	-45	-115	-186	-1,273	248	-36	-303	-1,035
Above Normal Water Years (11%)	23	86	-111	141	394	343	-641	-1,039	465	-221	-215	-891
Below Normal Water Years (21%)	-46	53	-91	167	266	576	-449	-920	406	30	-20	150
Dry Water Years (22%)	57	-42	176	160	416	296	-43	-276	503	-137	-170	93
Critical Water Years (16%)	-26	-127	-86	484	203	16	-120	-229	188	86	52	-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-3-8-4a. Old and Middle River Flow, Baseline Conditions 072623, Monthly Flow (combined flows)(cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-2,548	-2,036	-2,941	-2,895	-2,986	-1,292	1,374	144	-2,404	-3,795	-3,266	-3,951
20% Exceedance	-3,327	-3,042	-4,396	-3,645	-4,021	-3,347	347	-391	-3,849	-7,577	-4,979	-5,137
30% Exceedance	-4,137	-4,761	-5,290	-3,645	-4,144	-3,419	-92	-823	-4,304	-9,283	-6,911	-5,569
40% Exceedance	-4,803	-5,924	-5,290	-4,124	-4,144	-3,423	-390	-1,059	-4,538	-9,778	-8,371	-6,732
50% Exceedance	-5,688	-7,819	-5,290	-4,516	-4,316	-3,425	-693	-1,463	-4,865	-10,221	-9,794	-8,068
60% Exceedance	-6,179	-8,547	-5,290	-4,516	-4,316	-3,427	-1,023	-1,650	-5,000	-10,832	-10,499	-8,746
70% Exceedance	-6,795	-8,833	-6,026	-4,516	-4,433	-3,447	-1,177	-1,894	-5,000	-11,094	-10,803	-9,355
80% Exceedance	-7,460	-9,294	-8,198	-5,000	-4,464	-3,981	-1,273	-2,038	-5,000	-11,364	-11,009	-9,572
90% Exceedance	-8,811	-9,473	-9,046	-5,000	-4,610	-3,998	-1,573	-2,887	-5,000	-11,602	-11,432	-10,107
Full Simulation Period Average[a]	-5,593	-6,487	-5,729	-3,842	-3,759	-2,844	-399	-1,296	-4,220	-9,234	-8,387	-7,429
Wet Water Years (30%)	-6,748	-7,677	-5,619	-3,227	-2,824	-1,567	-572	-1,815	-3,972	-9,629	-9,884	-8,746
Above Normal Water Years (11%)	-4,746	-6,678	-6,508	-4,085	-3,838	-3,066	-670	-2,267	-4,754	-10,091	-10,769	-7,756
Below Normal Water Years (21%)	-5,885	-7,064	-6,180	-4,179	-4,212	-3,617	555	-475	-4,861	-11,252	-10,868	-9,625
Dry Water Years (22%)	-5,509	-6,512	-6,282	-4,150	-4,242	-3,744	-617	-981	-4,860	-10,365	-6,670	-5,995
Critical Water Years (16%)	-3,743	-3,330	-4,050	-3,963	-4,199	-2,833	-838	-1,165	-2,598	-3,704	-3,048	-3,822

Table 4C-3-8-4b. Old and Middle River Flow, Alternative 3 021624, Monthly Flow (combined flows)(cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-2,678	-1,936	-2,876	-2,843	-3,173	-1,311	615	-698	-2,397	-3,516	-2,881	-3,951
20% Exceedance	-3,491	-3,159	-4,353	-3,492	-3,622	-2,665	56	-1,106	-3,529	-7,693	-5,493	-5,063
30% Exceedance	-4,324	-4,420	-5,290	-3,645	-3,741	-2,685	-257	-1,294	-4,301	-9,261	-7,004	-5,625
40% Exceedance	-4,799	-6,037	-5,290	-3,876	-3,982	-2,756	-666	-1,436	-4,399	-9,843	-8,990	-6,760
50% Exceedance	-5,605	-7,643	-5,290	-4,055	-4,030	-2,879	-820	-1,728	-4,400	-10,401	-9,861	-8,241
60% Exceedance	-6,144	-8,604	-5,290	-4,343	-4,188	-3,570	-968	-2,042	-4,400	-10,867	-10,723	-9,505
70% Exceedance	-6,710	-8,910	-5,906	-4,516	-4,250	-3,757	-1,157	-3,179	-4,475	-11,169	-10,955	-9,936
80% Exceedance	-7,465	-9,298	-7,818	-4,625	-4,464	-3,772	-1,380	-3,684	-4,475	-11,334	-11,149	-10,588
90% Exceedance	-8,700	-9,475	-9,350	-4,775	-4,485	-3,954	-2,332	-4,033	-4,492	-11,514	-11,467	-10,883
Full Simulation Period Average[a]	-5,558	-6,505	-5,705	-3,640	-3,552	-2,608	-645	-2,082	-3,879	-9,263	-8,538	-7,768
Wet Water Years (30%)	-6,629	-7,737	-5,584	-3,068	-2,870	-1,536	-759	-3,087	-3,724	-9,656	-10,181	-9,777
Above Normal Water Years (11%)	-4,748	-6,651	-6,687	-3,944	-3,449	-2,724	-1,243	-3,299	-4,289	-10,289	-10,998	-8,585
Below Normal Water Years (21%)	-5,925	-7,024	-6,204	-4,003	-3,946	-3,042	85	-1,395	-4,455	-11,193	-10,894	-9,458
Dry Water Years (22%)	-5,454	-6,557	-6,089	-3,985	-3,835	-3,448	-659	-1,256	-4,357	-10,443	-6,811	-5,873
Critical Water Years (16%)	-3,767	-3,339	-4,076	-3,556	-3,994	-2,815	-960	-1,394	-2,472	-3,664	-3,049	-3,824

Table 4C-3-8-4c. Old and Middle River Flow, Alternative 3 021624 minus Baseline Conditions 072623, Monthly Flow (combined flows)(cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-130	100	65	52	-187	-19	-759	-842	7	279	386	1
20% Exceedance	-165	-117	43	153	398	682	-291	-715	320	-116	-514	73
30% Exceedance	-187	341	0	0	403	734	-165	-472	3	22	-93	-56
40% Exceedance	4	-114	0	248	162	668	-276	-377	139	-66	-619	-28
50% Exceedance	83	177	0	461	286	546	-126	-266	465	-180	-67	-173
60% Exceedance	35	-57	0	173	128	-143	55	-392	600	-36	-224	-759
70% Exceedance	85	-77	119	0	183	-311	21	-1,285	525	-75	-153	-581
80% Exceedance	-5	-3	380	375	0	208	-107	-1,646	525	30	-140	-1,016
90% Exceedance	112	-2	-304	225	125	44	-760	-1,145	509	88	-35	-776
Full Simulation Period Average[a]	36	-18	24	202	207	236	-247	-786	342	-29	-151	-339
Wet Water Years (30%)	119	-60	35	159	-46	31	-187	-1,273	248	-28	-296	-1,031
Above Normal Water Years (11%)	-1	27	-179	141	389	342	-573	-1,032	465	-198	-228	-829
Below Normal Water Years (21%)	-40	40	-24	175	266	576	-470	-921	406	59	-26	167
Dry Water Years (22%)	55	-45	193	165	407	296	-43	-275	503	-79	-141	122
Critical Water Years (16%)	-24	-9	-27	407	205	17	-122	-229	125	40	-1	-2

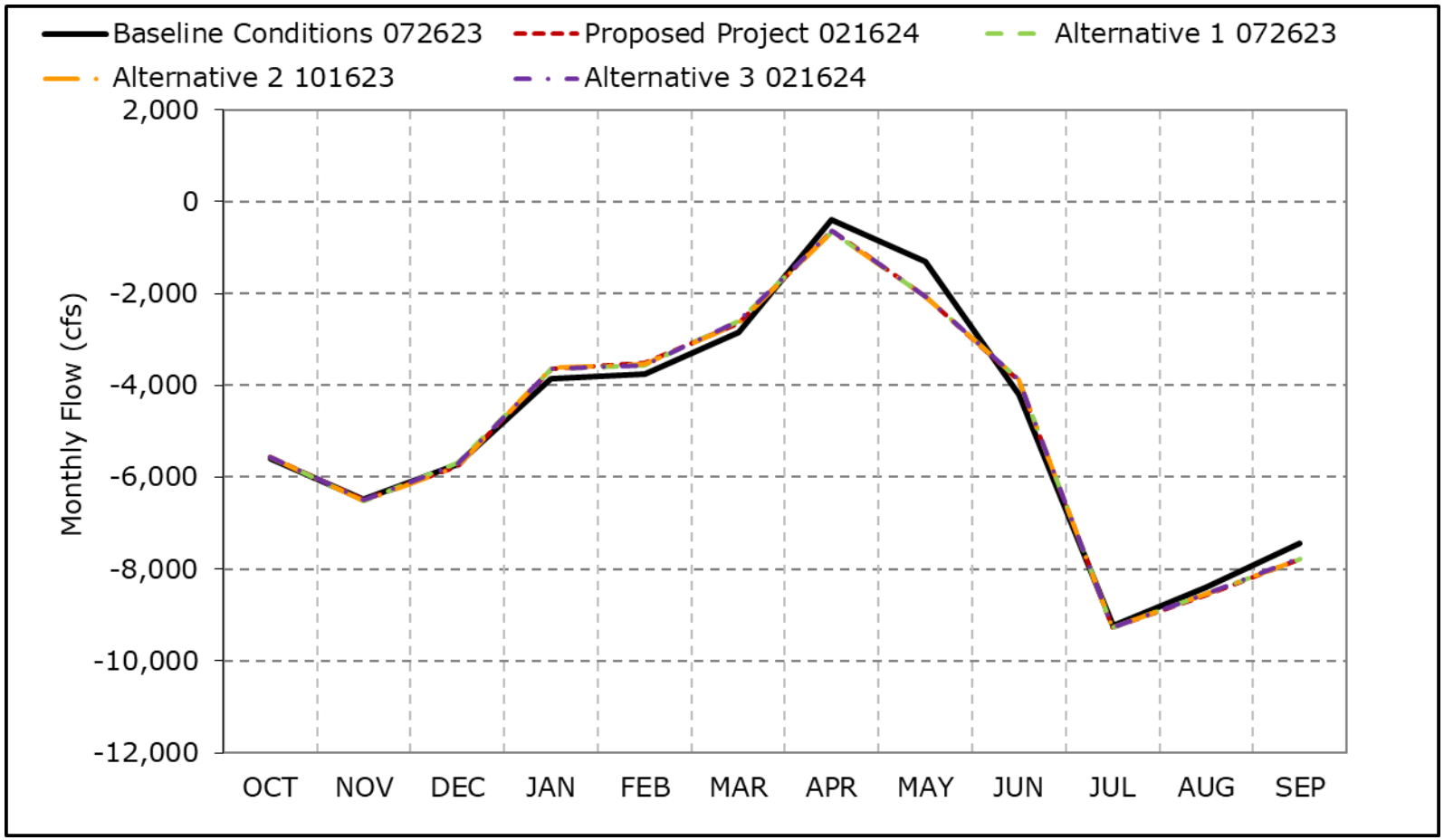
[a] Based on the 100-year simulation period.

* 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).

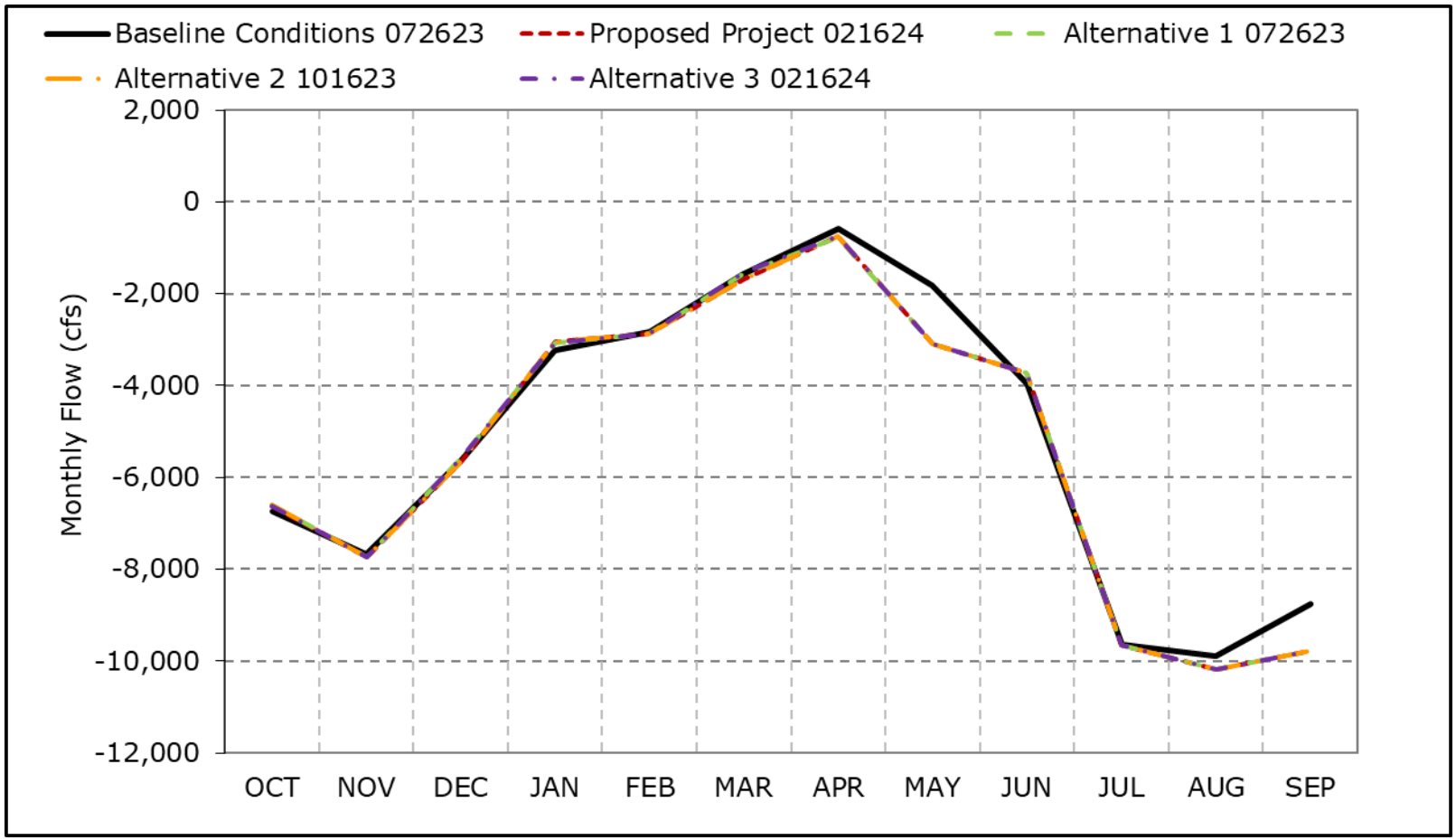
* Water Year Types results are displayed with water year - year type sorting.

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



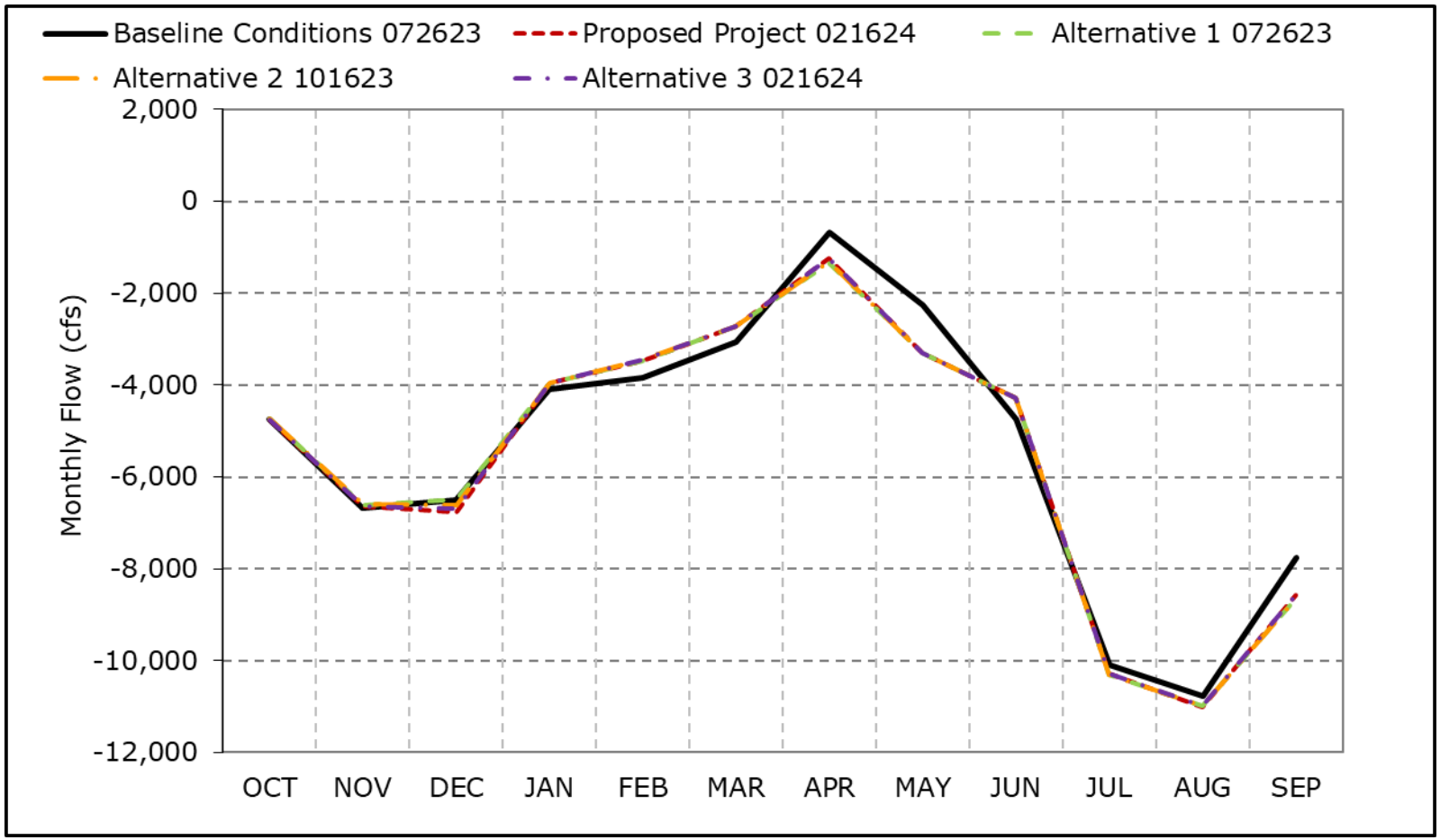
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



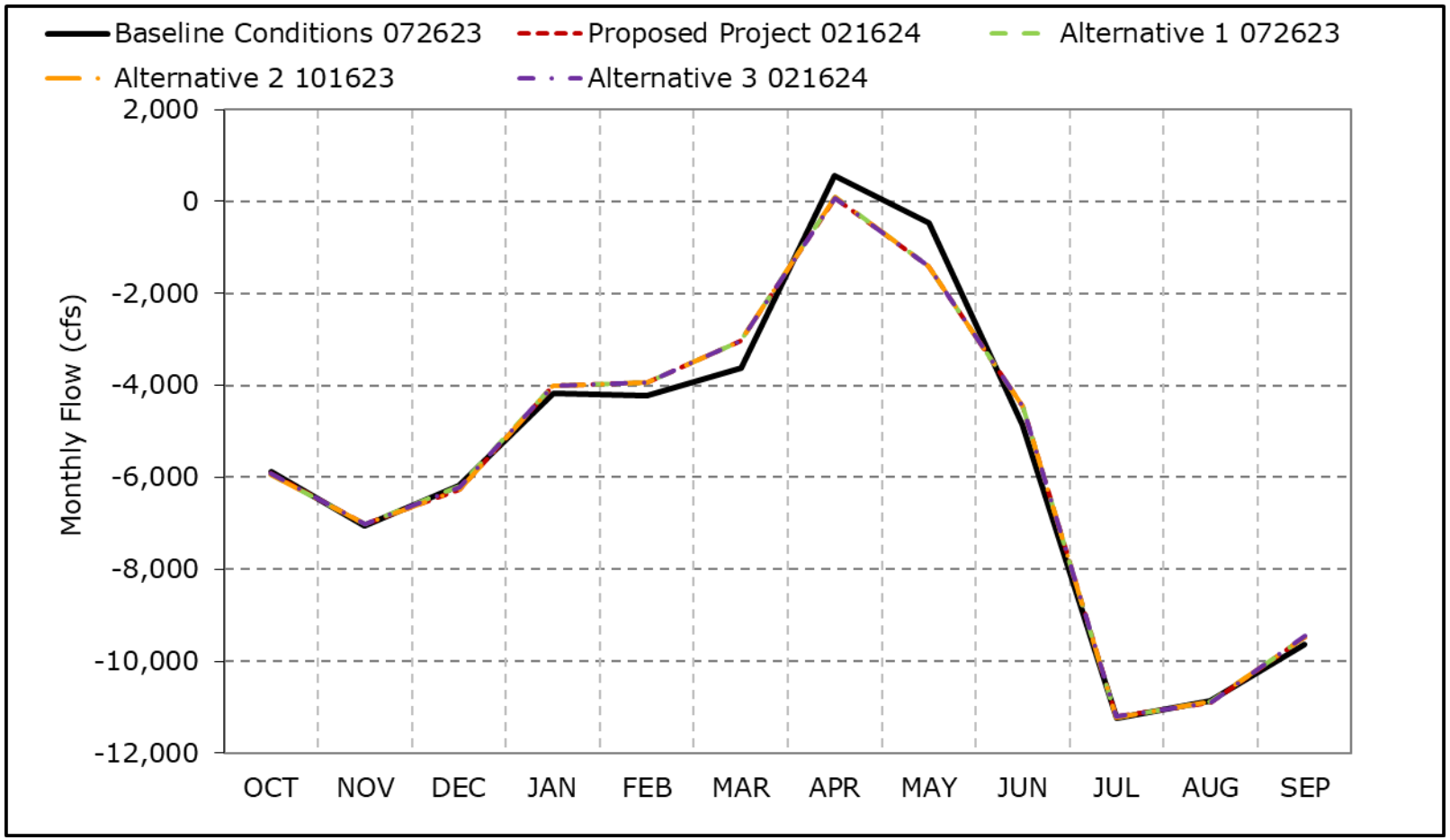
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



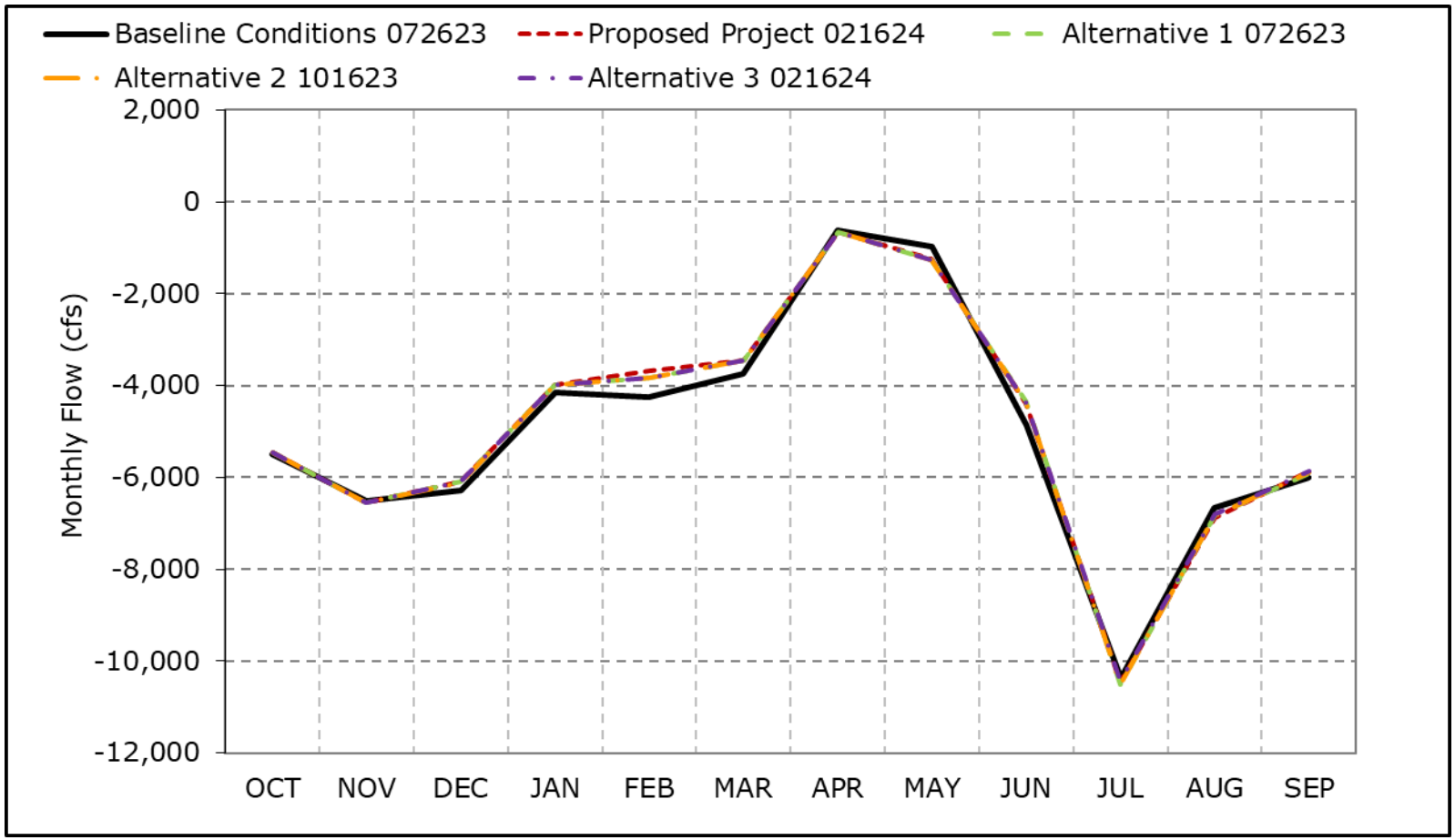
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



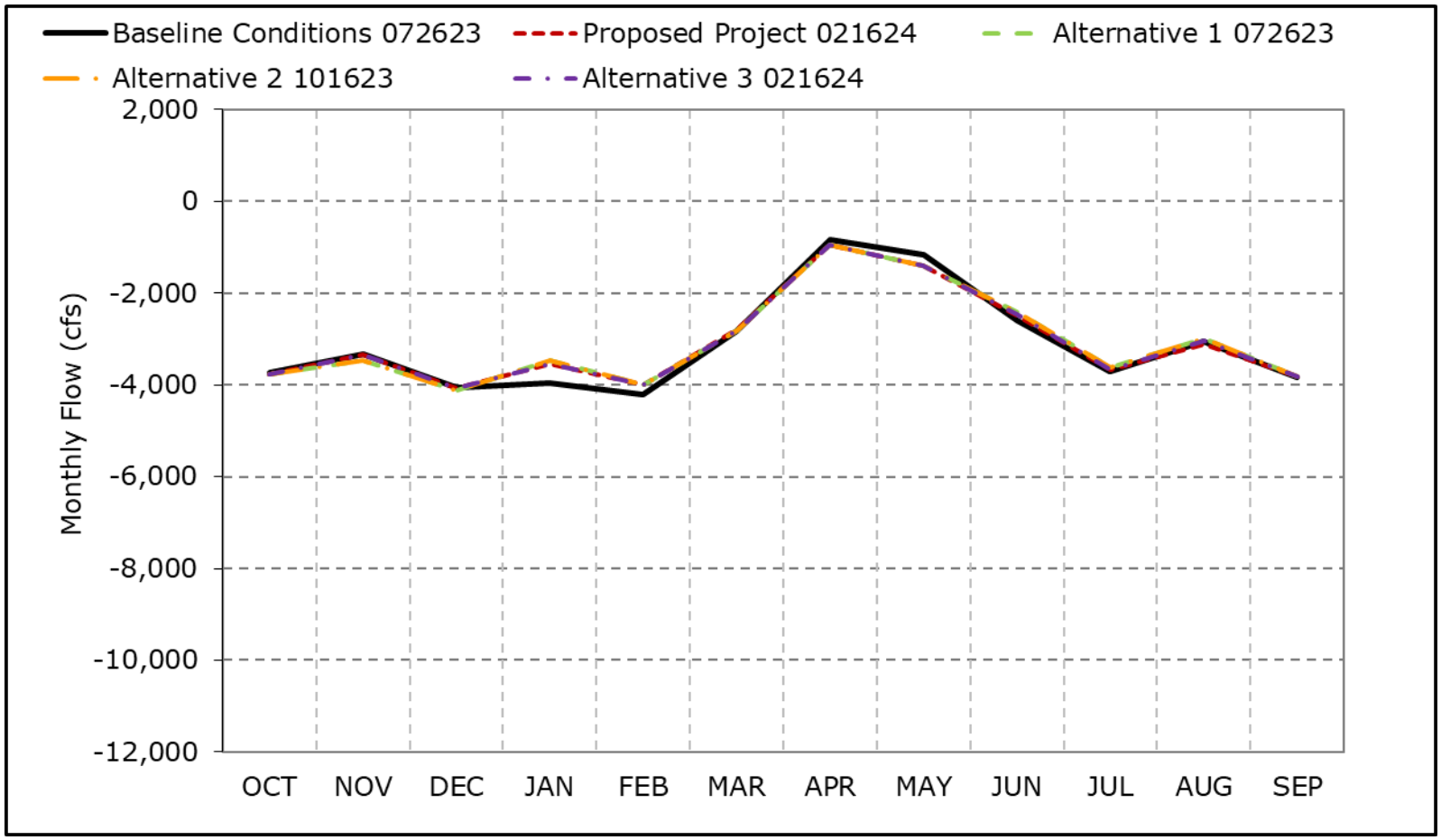
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



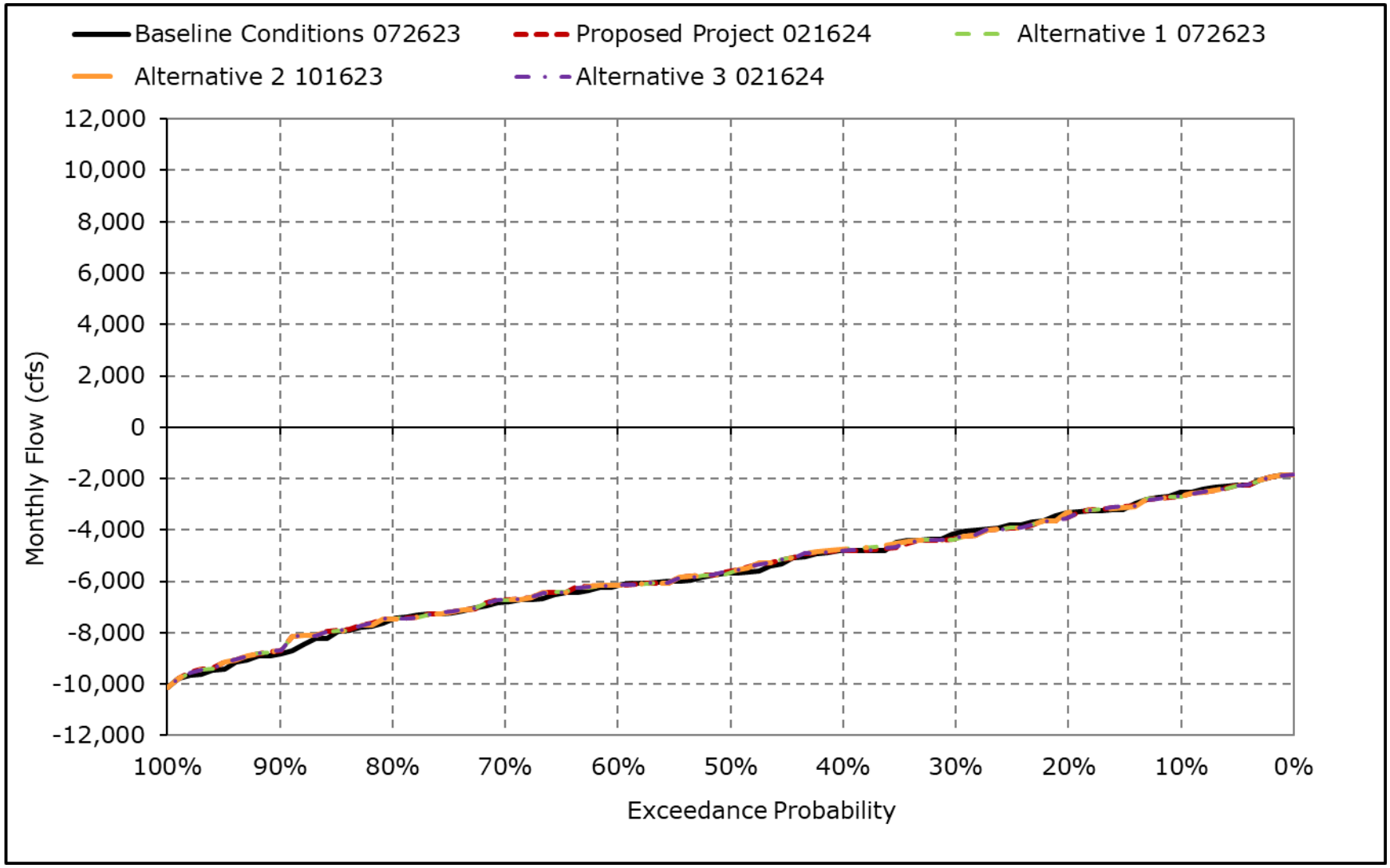
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



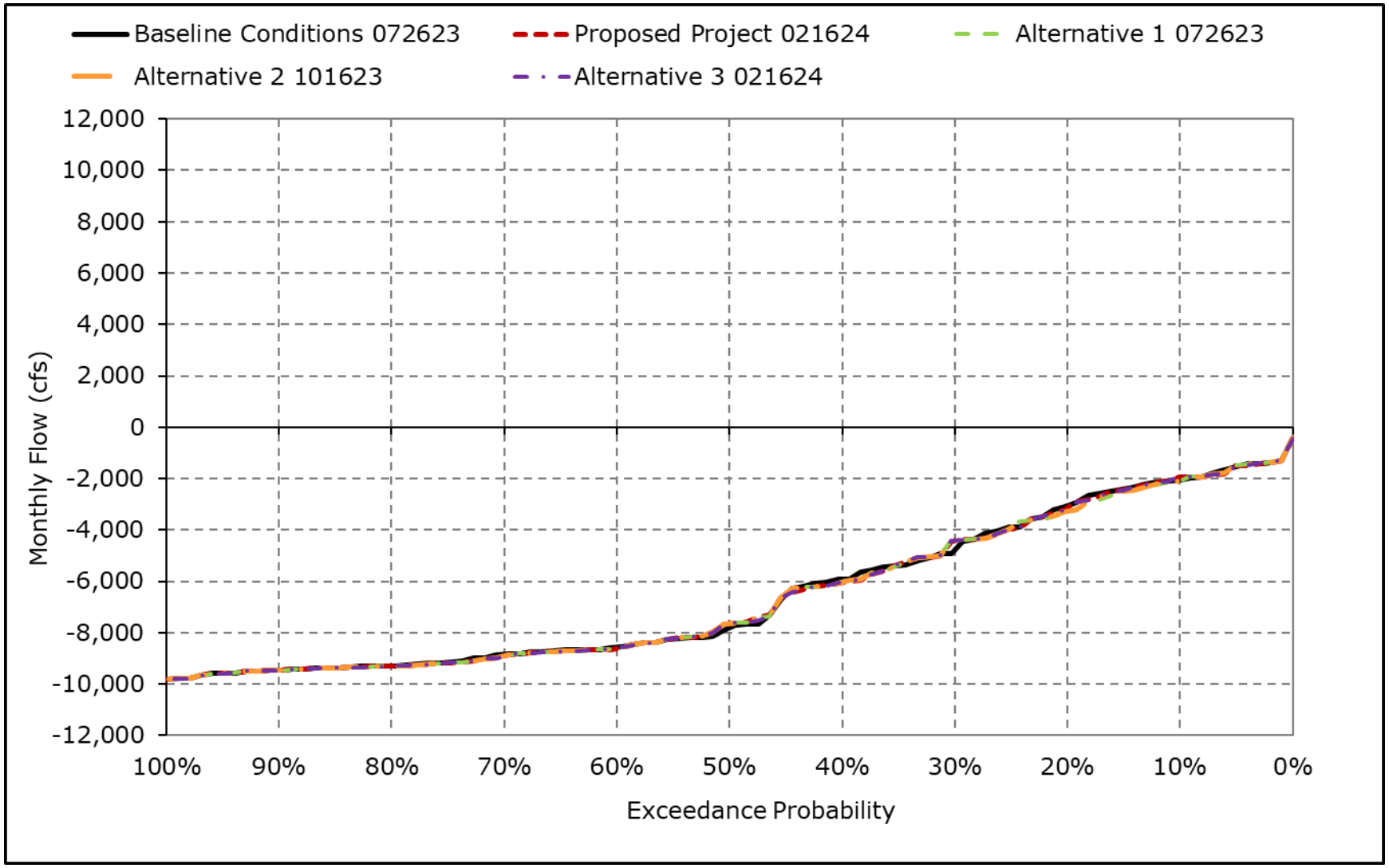
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



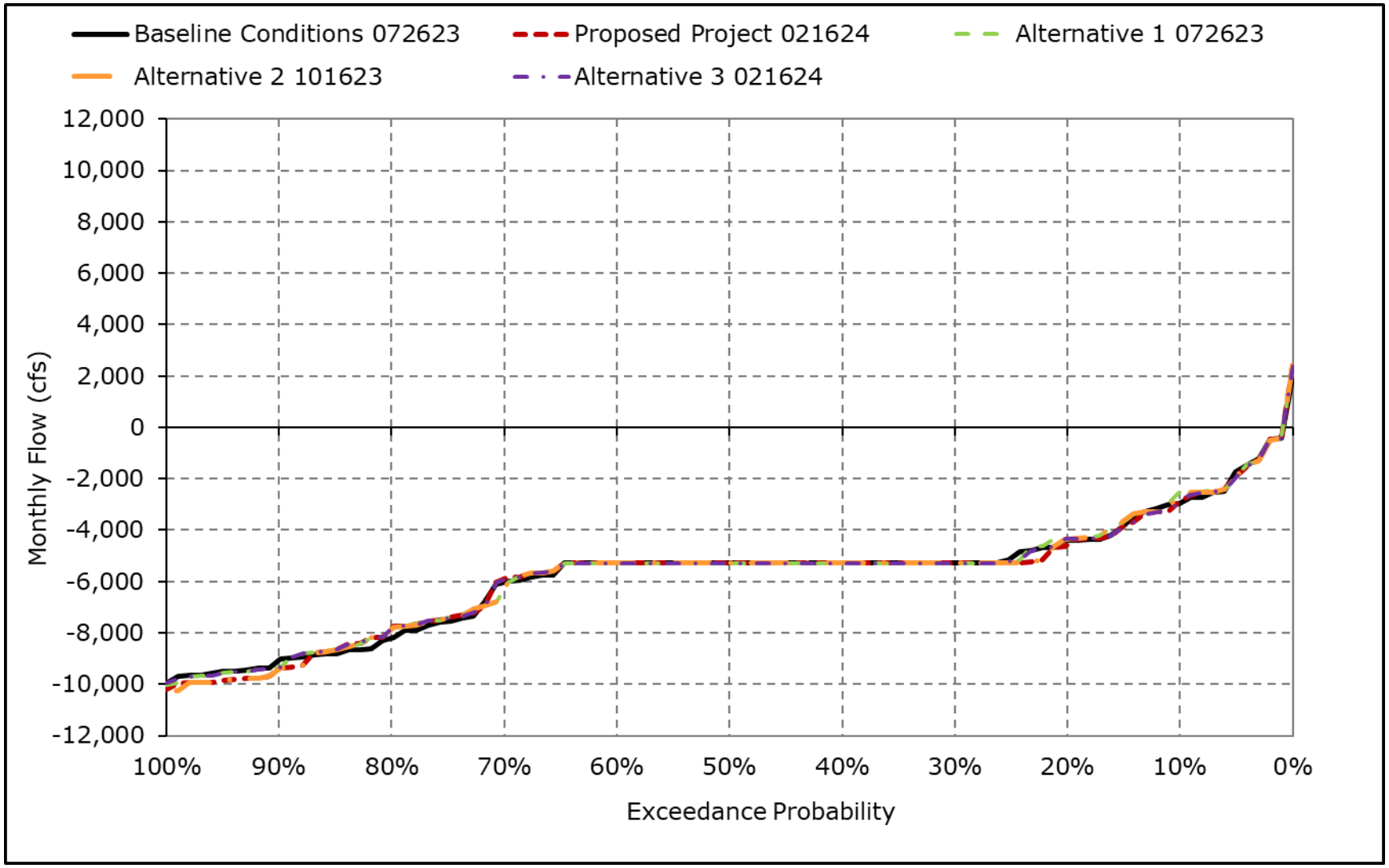
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



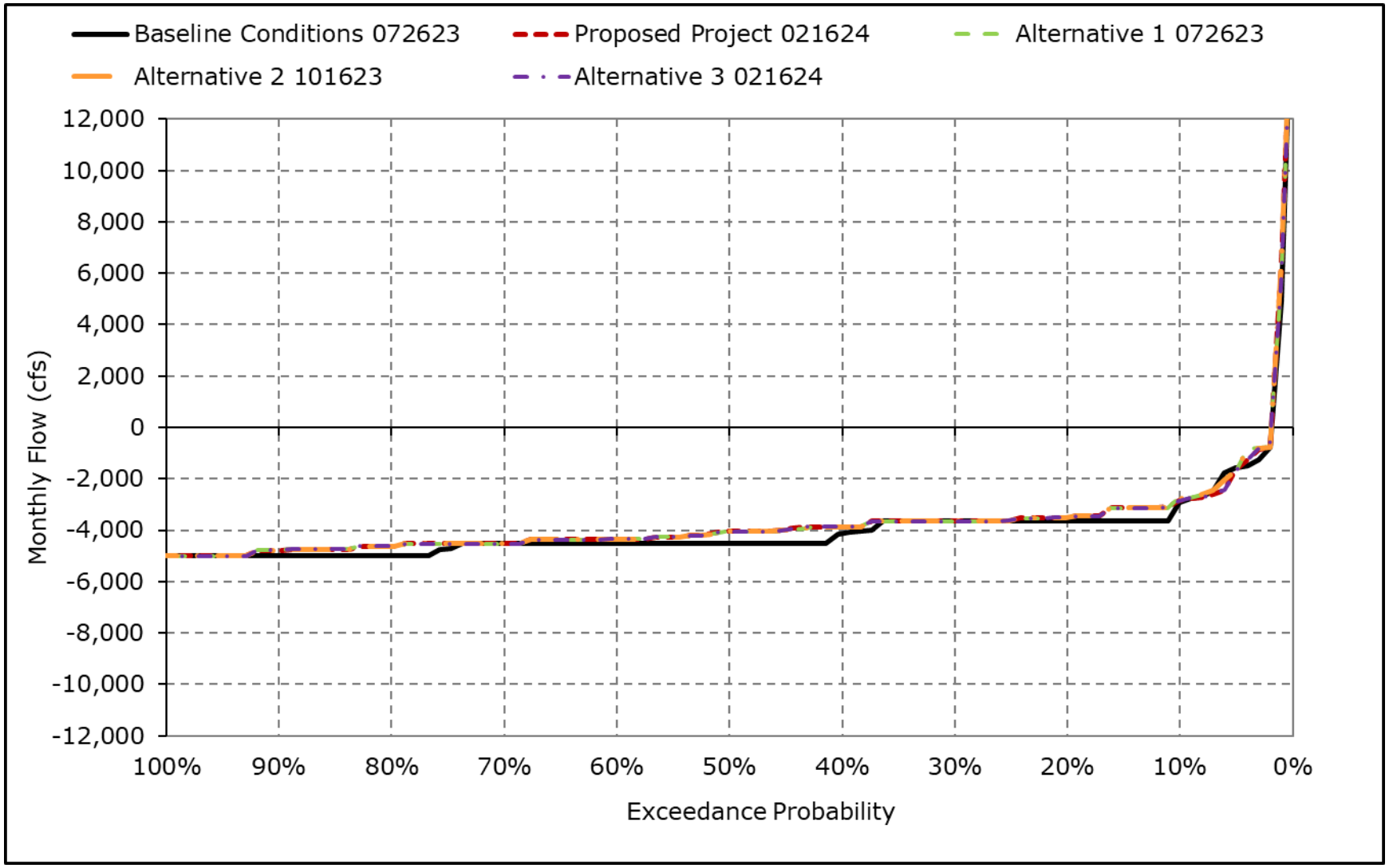
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



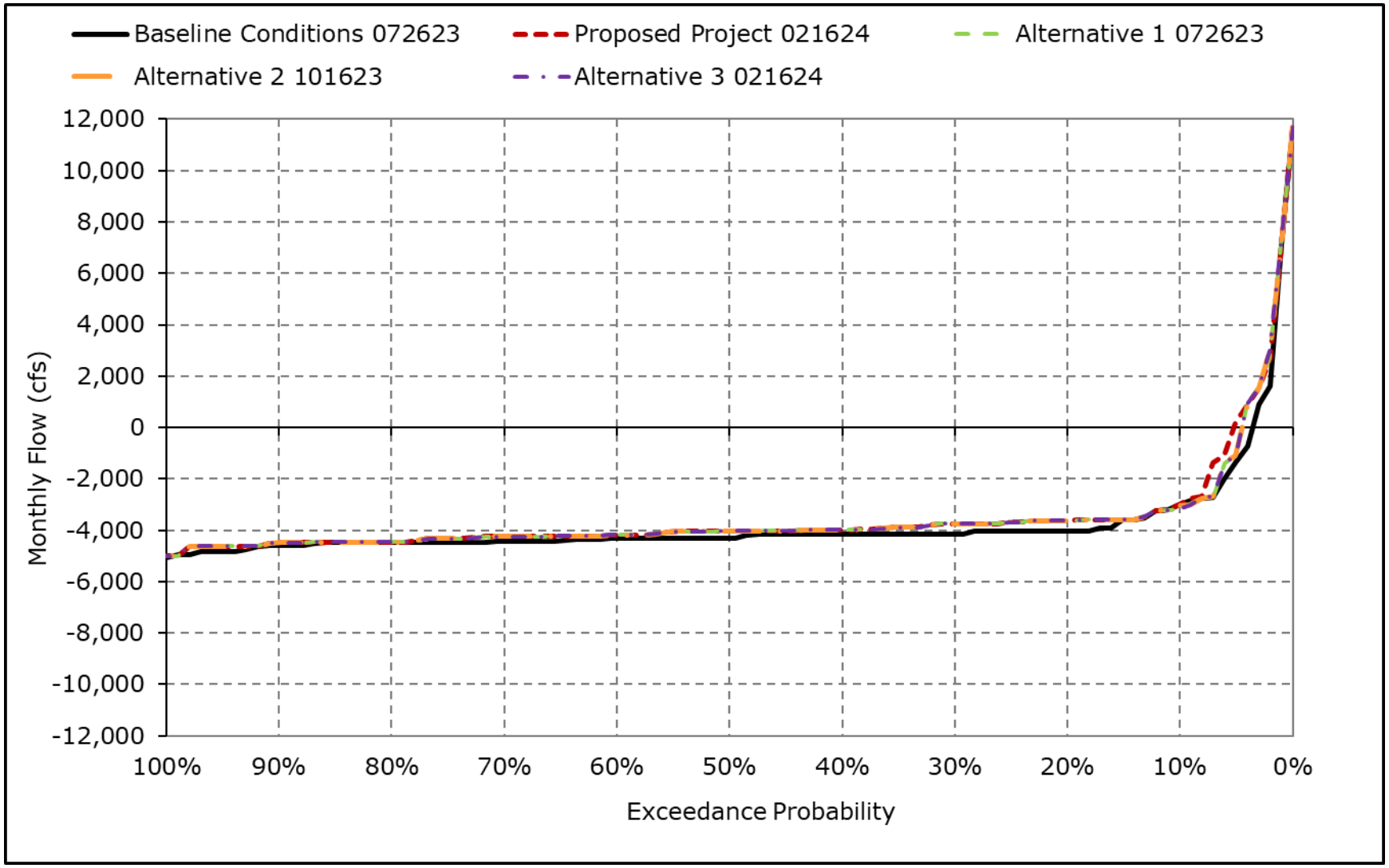
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



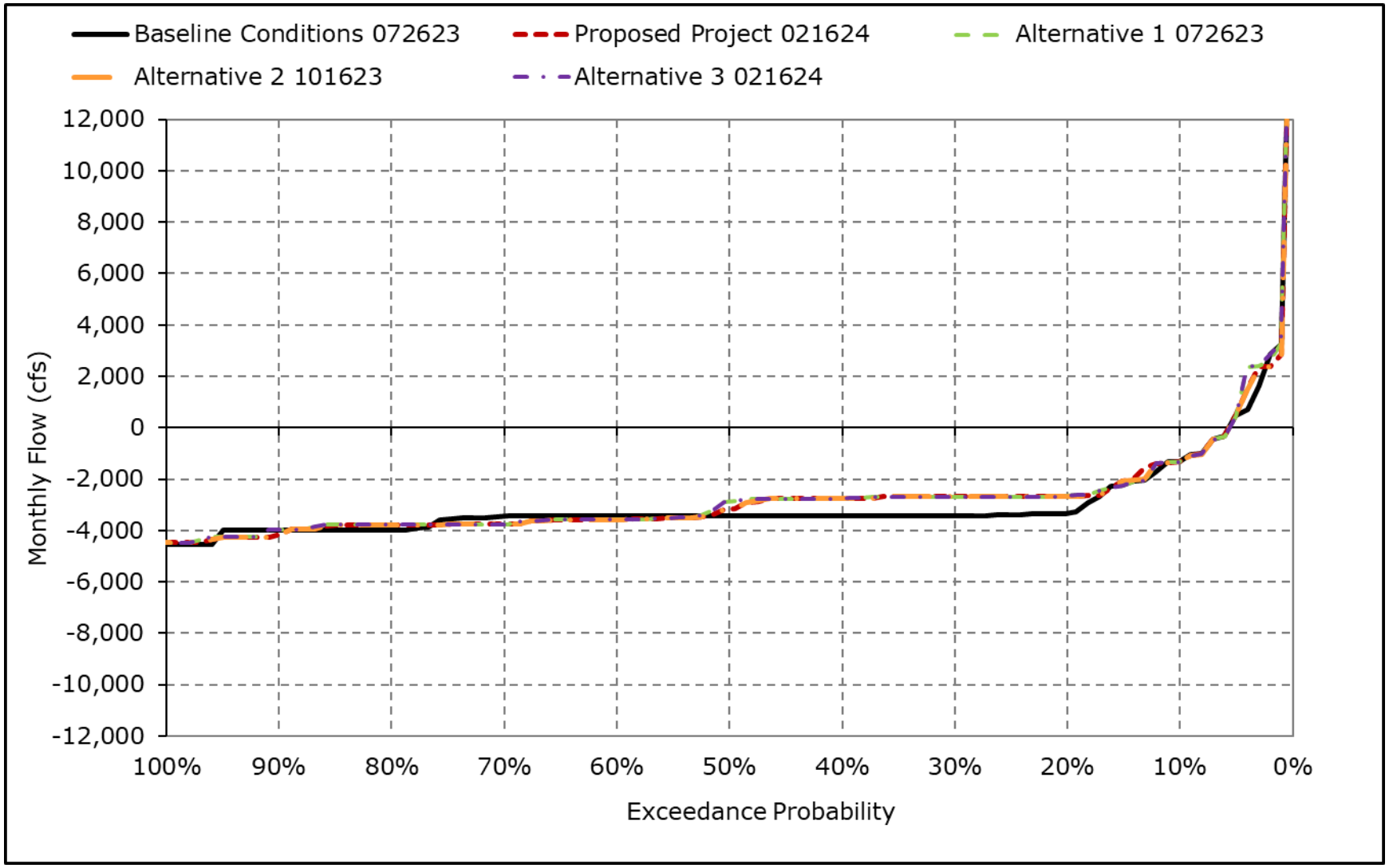
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



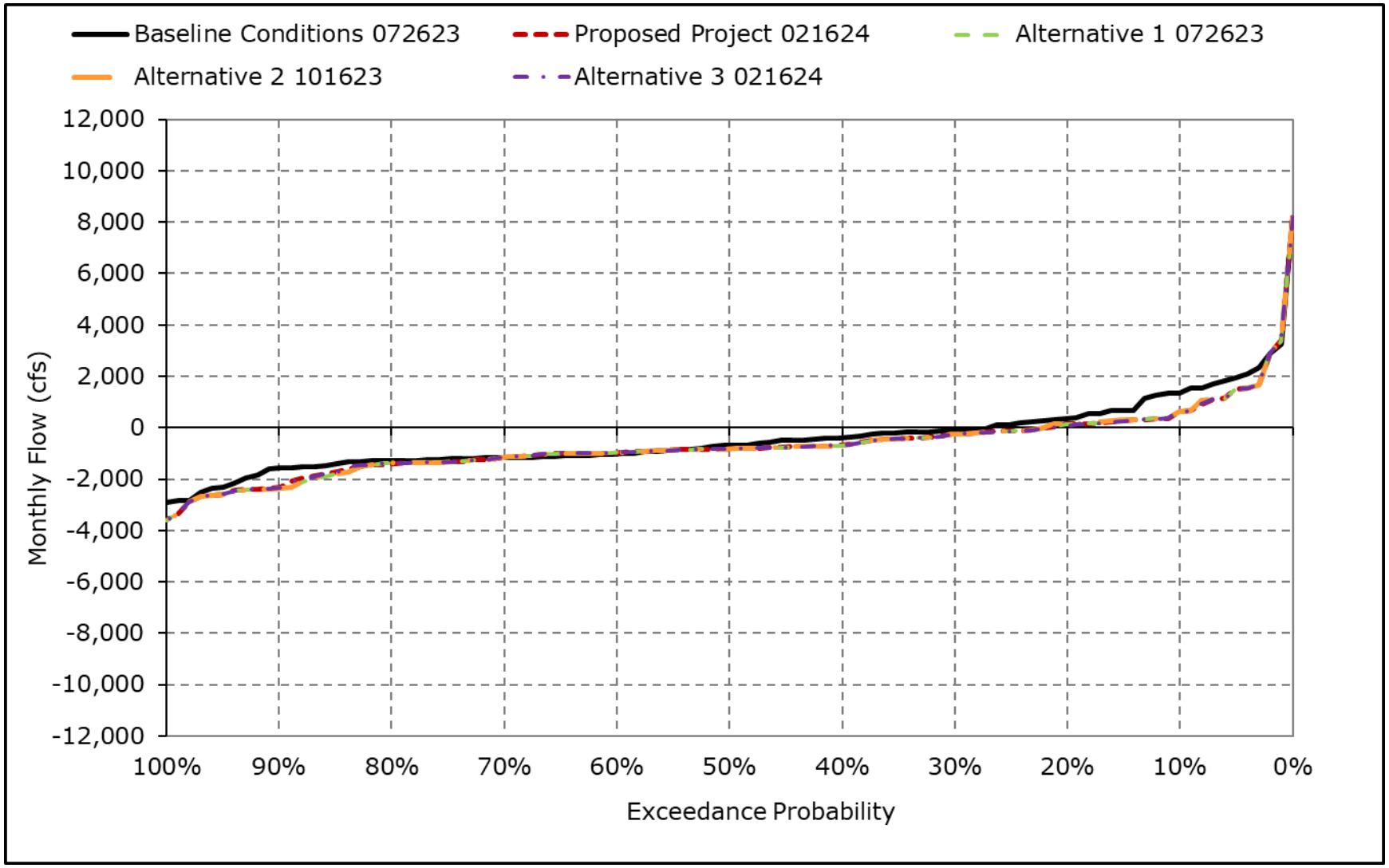
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



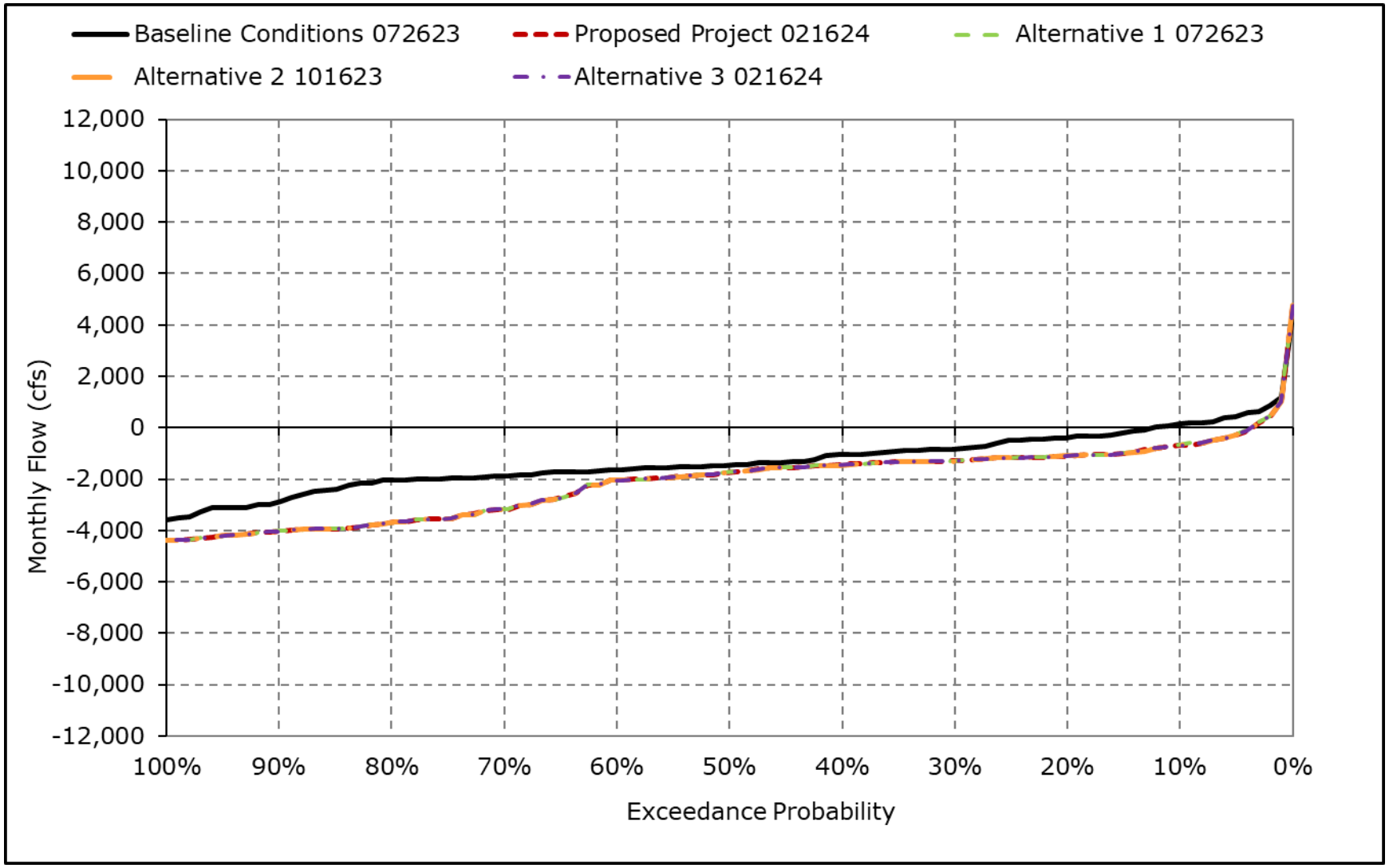
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



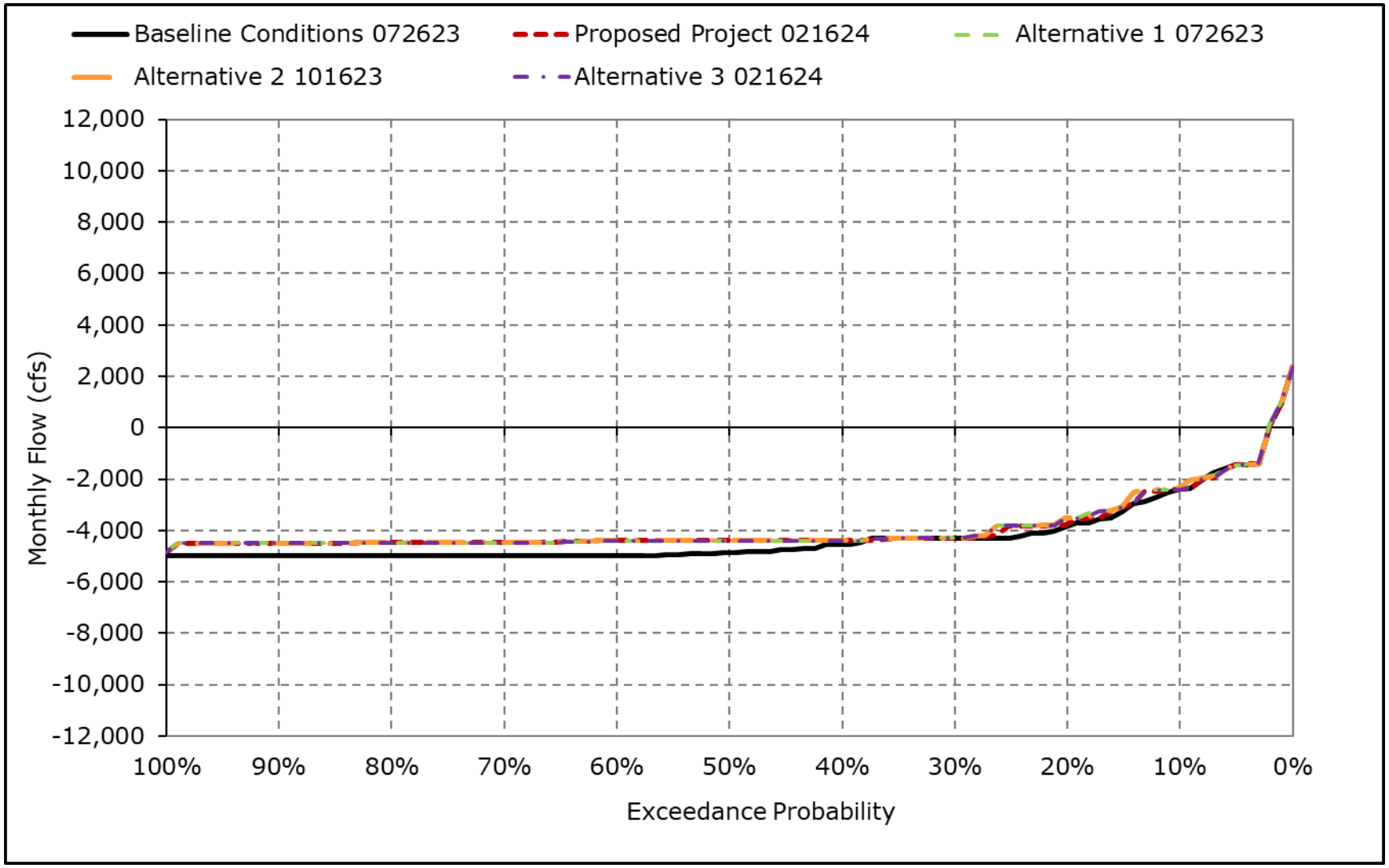
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



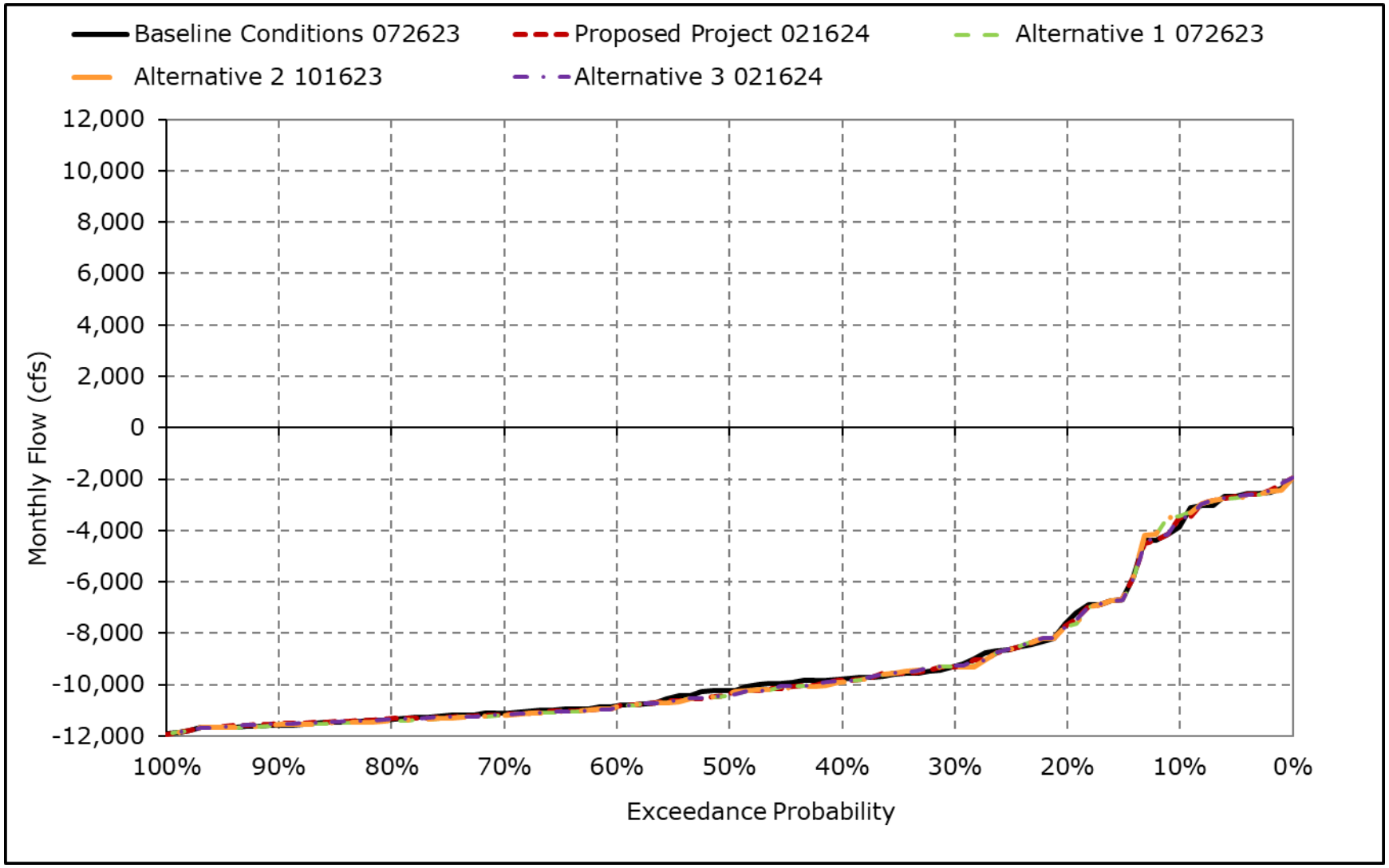
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



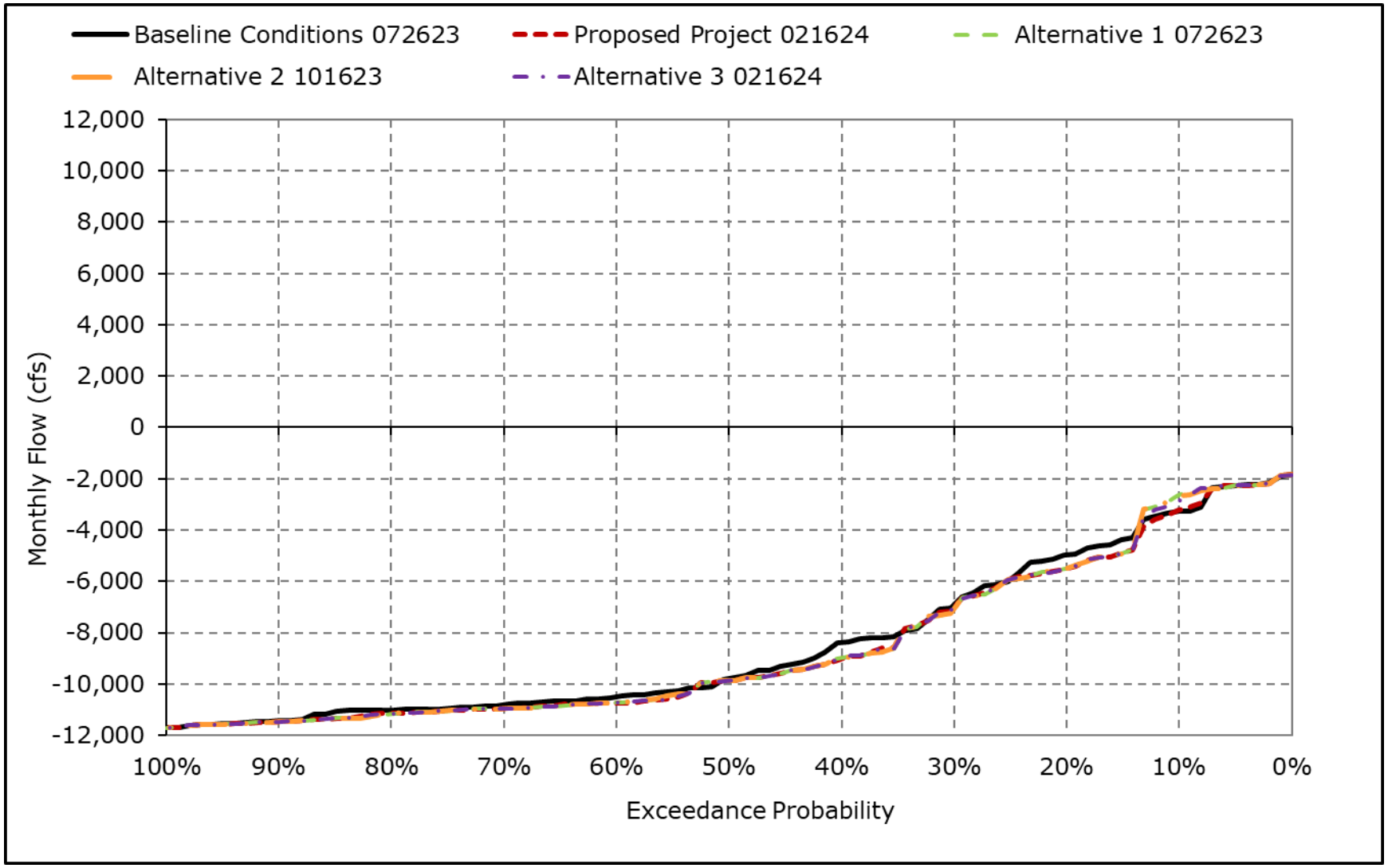
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



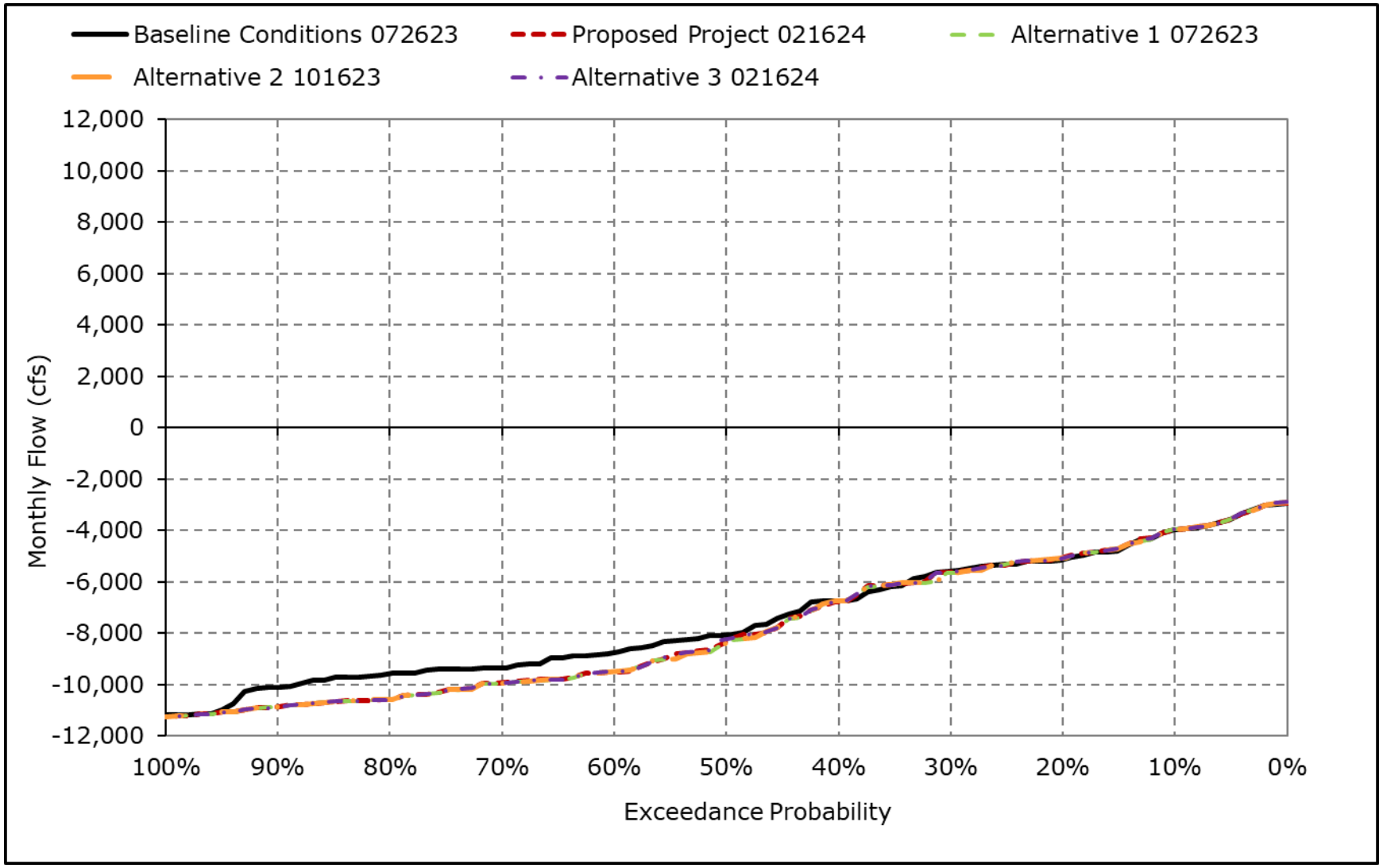
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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 072623, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,083	222	8,374	15,357	21,120	20,365	16,714	13,265	9,932	1,470	1,246	1,130
20% Exceedance	681	-101	3,818	9,939	12,835	12,922	12,354	7,973	4,464	315	465	659
30% Exceedance	540	-604	1,110	4,875	9,969	8,666	10,169	6,179	2,857	-680	-90	170
40% Exceedance	143	-1,164	-151	3,152	6,599	5,881	8,120	5,178	2,152	-1,394	-1,129	-174
50% Exceedance	-100	-1,550	-833	2,210	4,228	4,105	6,226	4,234	1,321	-1,934	-2,212	-381
60% Exceedance	-322	-2,604	-1,926	661	2,018	2,767	5,267	3,482	1,070	-2,811	-2,865	-706
70% Exceedance	-569	-3,338	-3,223	-596	1,381	2,291	3,940	2,743	704	-3,115	-3,130	-914
80% Exceedance	-1,003	-3,629	-4,729	-1,421	535	1,524	2,978	2,042	436	-3,434	-3,461	-1,938
90% Exceedance	-1,836	-4,343	-5,708	-1,977	-389	483	2,180	1,702	268	-4,257	-4,089	-3,084
Full Simulation Period Average[a]	-182	-1,551	563	5,056	8,088	7,787	8,521	6,064	3,286	-1,444	-1,621	-574
Wet Water Years (30%)	-691	-924	5,956	13,437	17,812	16,867	15,380	11,221	7,640	243	-1,284	372
Above Normal Water Years (11%)	432	-2,723	-1,709	7,297	10,365	9,445	8,649	5,257	2,581	-1,436	-2,943	707
Below Normal Water Years (21%)	-121	-2,002	-1,822	1,694	5,156	4,891	7,897	5,591	1,496	-3,269	-3,827	-2,976
Dry Water Years (22%)	-222	-2,115	-2,434	-166	1,918	1,996	4,004	2,980	527	-3,613	-1,168	-925
Critical Water Years (16%)	328	-554	-735	-606	624	1,388	2,603	1,811	1,751	763	927	409

Table 4C-3-9-1b. Qwest, Proposed Project 021624, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,124	321	8,400	15,384	21,024	19,916	16,328	11,557	9,925	1,570	1,195	938
20% Exceedance	712	-89	3,814	9,934	12,904	12,771	11,204	6,728	4,972	272	-177	191
30% Exceedance	554	-546	1,139	5,108	10,128	8,969	9,368	4,855	3,273	-857	-799	-217
40% Exceedance	323	-1,187	-172	3,355	6,934	6,300	7,233	4,184	2,286	-1,617	-1,341	-372
50% Exceedance	120	-1,590	-957	2,449	4,839	4,383	5,976	3,319	1,791	-2,121	-2,526	-718
60% Exceedance	-152	-2,510	-1,799	868	2,610	3,283	4,733	2,635	1,427	-2,933	-3,084	-943
70% Exceedance	-490	-3,252	-3,091	-181	1,821	2,675	3,891	2,067	1,090	-3,290	-3,352	-1,261
80% Exceedance	-1,024	-3,642	-4,560	-1,083	790	1,466	3,062	1,753	825	-3,541	-3,743	-1,723
90% Exceedance	-1,795	-4,343	-5,678	-1,785	-135	618	2,166	1,412	662	-4,427	-4,194	-3,034
Full Simulation Period Average[a]	-116	-1,537	539	5,281	8,342	8,020	8,274	5,211	3,604	-1,531	-1,870	-791
Wet Water Years (30%)	-584	-978	5,905	13,642	17,759	16,750	15,172	9,818	7,919	191	-1,633	-426
Above Normal Water Years (11%)	454	-2,599	-1,997	7,448	10,749	9,844	8,057	4,152	3,074	-1,718	-3,367	369
Below Normal Water Years (21%)	-68	-2,003	-1,890	1,891	5,419	5,542	7,457	4,579	1,920	-3,320	-3,939	-2,824
Dry Water Years (22%)	-110	-2,146	-2,268	-10	2,518	2,363	3,978	2,711	885	-3,760	-1,444	-794
Critical Water Years (16%)	301	-410	-729	-158	874	1,429	2,467	1,568	1,824	780	846	402

Table 4C-3-9-1c. Qwest, Proposed Project 021624 minus Baseline Conditions 072623, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	42	100	26	27	-96	-449	-386	-1,708	-7	100	-51	-193
20% Exceedance	31	12	-3	-5	69	-152	-1,150	-1,245	508	-43	-642	-468
30% Exceedance	14	58	29	233	160	303	-800	-1,324	416	-177	-708	-388
40% Exceedance	180	-22	-21	202	335	419	-887	-995	134	-223	-212	-198
50% Exceedance	219	-40	-124	240	610	278	-250	-916	471	-187	-314	-336
60% Exceedance	170	95	126	207	592	516	-534	-848	357	-121	-219	-237
70% Exceedance	79	86	132	415	440	384	-49	-677	386	-175	-222	-347
80% Exceedance	-20	-13	169	338	255	-59	84	-289	389	-106	-282	215
90% Exceedance	41	0	30	192	254	135	-14	-290	394	-170	-105	50
Full Simulation Period Average[a]	66	14	-24	226	253	233	-248	-853	317	-87	-249	-217
Wet Water Years (30%)	107	-54	-51	205	-53	-117	-208	-1,403	279	-51	-349	-799
Above Normal Water Years (11%)	22	125	-288	151	383	399	-592	-1,106	494	-283	-424	-338
Below Normal Water Years (21%)	53	-1	-68	197	262	651	-441	-1,012	423	-51	-112	152
Dry Water Years (22%)	113	-31	166	156	600	366	-26	-269	358	-148	-277	130
Critical Water Years (16%)	-27	144	6	448	250	41	-137	-244	73	17	-81	-7

[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 072623, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,083	222	8,374	15,357	21,120	20,365	16,714	13,265	9,932	1,470	1,246	1,130
20% Exceedance	681	-101	3,818	9,939	12,835	12,922	12,354	7,973	4,464	315	465	659
30% Exceedance	540	-604	1,110	4,875	9,969	8,666	10,169	6,179	2,857	-680	-90	170
40% Exceedance	143	-1,164	-151	3,152	6,599	5,881	8,120	5,178	2,152	-1,394	-1,129	-174
50% Exceedance	-100	-1,550	-833	2,210	4,228	4,105	6,226	4,234	1,321	-1,934	-2,212	-381
60% Exceedance	-322	-2,604	-1,926	661	2,018	2,767	5,267	3,482	1,070	-2,811	-2,865	-706
70% Exceedance	-569	-3,338	-3,223	-596	1,381	2,291	3,940	2,743	704	-3,115	-3,130	-914
80% Exceedance	-1,003	-3,629	-4,729	-1,421	535	1,524	2,978	2,042	436	-3,434	-3,461	-1,938
90% Exceedance	-1,836	-4,343	-5,708	-1,977	-389	483	2,180	1,702	268	-4,257	-4,089	-3,084
Full Simulation Period Average[a]	-182	-1,551	563	5,056	8,088	7,787	8,521	6,064	3,286	-1,444	-1,621	-574
Wet Water Years (30%)	-691	-924	5,956	13,437	17,812	16,867	15,380	11,221	7,640	243	-1,284	372
Above Normal Water Years (11%)	432	-2,723	-1,709	7,297	10,365	9,445	8,649	5,257	2,581	-1,436	-2,943	707
Below Normal Water Years (21%)	-121	-2,002	-1,822	1,694	5,156	4,891	7,897	5,591	1,496	-3,269	-3,827	-2,976
Dry Water Years (22%)	-222	-2,115	-2,434	-166	1,918	1,996	4,004	2,980	527	-3,613	-1,168	-925
Critical Water Years (16%)	328	-554	-735	-606	624	1,388	2,603	1,811	1,751	763	927	409

Table 4C-3-9-2b. Qwest, Alternative 1 072623, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,088	223	8,400	15,384	21,013	19,887	16,327	11,626	9,925	1,536	1,288	935
20% Exceedance	709	-94	3,814	9,933	12,927	12,752	11,177	6,818	4,961	430	-171	144
30% Exceedance	564	-508	1,080	5,107	10,128	8,938	9,347	4,898	3,243	-847	-757	-219
40% Exceedance	321	-1,168	-110	3,395	6,936	6,285	7,215	4,227	2,273	-1,580	-1,353	-372
50% Exceedance	118	-1,587	-884	2,453	4,728	4,379	5,956	3,406	1,813	-2,160	-2,494	-707
60% Exceedance	-176	-2,514	-1,799	844	2,610	3,246	4,733	2,718	1,422	-2,928	-3,024	-959
70% Exceedance	-501	-3,252	-3,390	-178	1,806	2,639	3,831	2,116	1,078	-3,260	-3,334	-1,266
80% Exceedance	-1,023	-3,648	-4,575	-987	790	1,458	3,039	1,810	828	-3,586	-3,706	-1,734
90% Exceedance	-1,793	-4,343	-5,400	-1,799	-141	582	2,166	1,439	612	-4,491	-4,196	-3,036
Full Simulation Period Average[a]	-113	-1,551	605	5,285	8,316	8,035	8,241	5,259	3,601	-1,531	-1,848	-799
Wet Water Years (30%)	-578	-963	5,988	13,611	17,760	16,886	15,168	9,822	7,918	193	-1,630	-428
Above Normal Water Years (11%)	463	-2,641	-1,668	7,451	10,743	9,795	7,934	4,235	3,043	-1,723	-3,353	323
Below Normal Water Years (21%)	-76	-1,995	-1,823	1,883	5,422	5,514	7,402	4,668	1,878	-3,319	-3,941	-2,822
Dry Water Years (22%)	-104	-2,143	-2,253	-13	2,387	2,324	3,948	2,798	883	-3,791	-1,406	-806
Critical Water Years (16%)	300	-503	-807	-66	892	1,392	2,469	1,567	1,890	823	917	402

Table 4C-3-9-2c. Qwest, Alternative 1 072623 minus Baseline Conditions 072623, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	6	1	26	27	-106	-478	-387	-1,639	-7	65	42	-195
20% Exceedance	28	8	-4	-5	92	-170	-1,177	-1,155	496	115	-637	-514
30% Exceedance	24	96	-30	233	159	272	-822	-1,281	386	-167	-667	-390
40% Exceedance	178	-3	41	242	337	404	-905	-951	121	-186	-223	-198
50% Exceedance	218	-37	-51	243	499	274	-269	-828	493	-226	-282	-326
60% Exceedance	147	91	127	184	592	480	-534	-765	352	-117	-159	-253
70% Exceedance	68	86	-168	417	425	348	-108	-627	374	-146	-204	-352
80% Exceedance	-20	-19	154	434	254	-66	61	-232	391	-152	-246	204
90% Exceedance	43	0	309	178	248	99	-14	-263	345	-234	-107	48
Full Simulation Period Average[a]	68	1	42	229	228	248	-280	-805	315	-87	-227	-225
Wet Water Years (30%)	113	-39	32	174	-52	19	-212	-1,399	279	-50	-346	-800
Above Normal Water Years (11%)	31	82	41	154	378	351	-716	-1,023	462	-288	-409	-385
Below Normal Water Years (21%)	45	6	-1	189	265	623	-495	-923	382	-49	-113	154
Dry Water Years (22%)	119	-29	181	154	469	328	-55	-182	356	-178	-238	119
Critical Water Years (16%)	-28	51	-72	540	268	4	-134	-244	139	59	-10	-7

[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 072623, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,083	222	8,374	15,357	21,120	20,365	16,714	13,265	9,932	1,470	1,246	1,130
20% Exceedance	681	-101	3,818	9,939	12,835	12,922	12,354	7,973	4,464	315	465	659
30% Exceedance	540	-604	1,110	4,875	9,969	8,666	10,169	6,179	2,857	-680	-90	170
40% Exceedance	143	-1,164	-151	3,152	6,599	5,881	8,120	5,178	2,152	-1,394	-1,129	-174
50% Exceedance	-100	-1,550	-833	2,210	4,228	4,105	6,226	4,234	1,321	-1,934	-2,212	-381
60% Exceedance	-322	-2,604	-1,926	661	2,018	2,767	5,267	3,482	1,070	-2,811	-2,865	-706
70% Exceedance	-569	-3,338	-3,223	-596	1,381	2,291	3,940	2,743	704	-3,115	-3,130	-914
80% Exceedance	-1,003	-3,629	-4,729	-1,421	535	1,524	2,978	2,042	436	-3,434	-3,461	-1,938
90% Exceedance	-1,836	-4,343	-5,708	-1,977	-389	483	2,180	1,702	268	-4,257	-4,089	-3,084
Full Simulation Period Average[a]	-182	-1,551	563	5,056	8,088	7,787	8,521	6,064	3,286	-1,444	-1,621	-574
Wet Water Years (30%)	-691	-924	5,956	13,437	17,812	16,867	15,380	11,221	7,640	243	-1,284	372
Above Normal Water Years (11%)	432	-2,723	-1,709	7,297	10,365	9,445	8,649	5,257	2,581	-1,436	-2,943	707
Below Normal Water Years (21%)	-121	-2,002	-1,822	1,694	5,156	4,891	7,897	5,591	1,496	-3,269	-3,827	-2,976
Dry Water Years (22%)	-222	-2,115	-2,434	-166	1,918	1,996	4,004	2,980	527	-3,613	-1,168	-925
Critical Water Years (16%)	328	-554	-735	-606	624	1,388	2,603	1,811	1,751	763	927	409

Table 4C-3-9-3b. Qwest, Alternative 2 101623, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,124	223	8,400	15,384	21,023	19,916	16,327	11,626	9,925	1,536	1,287	935
20% Exceedance	712	-107	3,812	9,933	12,928	12,752	11,178	6,816	4,963	428	-170	144
30% Exceedance	564	-549	1,085	5,109	10,128	8,938	9,347	4,898	3,244	-846	-760	-218
40% Exceedance	323	-1,167	-152	3,387	6,936	6,289	7,215	4,228	2,274	-1,626	-1,355	-372
50% Exceedance	114	-1,586	-884	2,453	4,728	4,378	5,957	3,406	1,813	-2,160	-2,494	-707
60% Exceedance	-176	-2,514	-1,802	863	2,611	3,247	4,733	2,717	1,422	-2,928	-3,035	-959
70% Exceedance	-501	-3,252	-3,390	-159	1,821	2,640	3,831	2,117	1,078	-3,251	-3,334	-1,267
80% Exceedance	-1,023	-3,650	-4,592	-988	789	1,458	3,038	1,810	827	-3,586	-3,705	-1,741
90% Exceedance	-1,793	-4,343	-5,677	-1,799	-140	581	2,166	1,439	612	-4,471	-4,195	-3,037
Full Simulation Period Average[a]	-112	-1,555	544	5,294	8,321	7,991	8,244	5,258	3,601	-1,531	-1,849	-799
Wet Water Years (30%)	-578	-963	5,902	13,643	17,759	16,738	15,173	9,820	7,919	187	-1,630	-429
Above Normal Water Years (11%)	466	-2,623	-1,825	7,451	10,780	9,794	7,952	4,235	3,044	-1,723	-3,353	324
Below Normal Water Years (21%)	-76	-1,996	-1,890	1,883	5,420	5,514	7,398	4,668	1,878	-3,318	-3,940	-2,824
Dry Water Years (22%)	-102	-2,144	-2,273	-15	2,393	2,325	3,949	2,797	880	-3,786	-1,413	-805
Critical Water Years (16%)	301	-541	-807	-65	889	1,392	2,469	1,567	1,891	824	921	401

Table 4C-3-9-3c. Qwest, Alternative 2 101623 minus Baseline Conditions 072623, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	41	1	26	27	-97	-449	-387	-1,639	-7	66	41	-195
20% Exceedance	31	-6	-6	-5	93	-170	-1,176	-1,158	499	113	-636	-515
30% Exceedance	24	55	-25	234	160	272	-821	-1,281	386	-166	-670	-388
40% Exceedance	181	-2	-1	235	337	407	-905	-951	122	-232	-226	-198
50% Exceedance	214	-35	-51	244	499	273	-269	-828	493	-226	-282	-325
60% Exceedance	147	91	124	202	593	480	-534	-765	352	-117	-170	-253
70% Exceedance	68	86	-167	437	440	349	-108	-627	374	-136	-204	-352
80% Exceedance	-20	-21	137	433	254	-66	61	-232	391	-152	-244	198
90% Exceedance	43	0	31	178	249	98	-14	-263	344	-214	-106	47
Full Simulation Period Average[a]	69	-4	-19	238	232	204	-277	-806	315	-87	-228	-225
Wet Water Years (30%)	113	-39	-54	206	-53	-129	-207	-1,401	279	-56	-346	-801
Above Normal Water Years (11%)	34	100	-116	154	415	349	-697	-1,022	463	-287	-410	-383
Below Normal Water Years (21%)	45	5	-69	189	264	623	-499	-923	382	-49	-113	152
Dry Water Years (22%)	120	-29	161	151	476	329	-55	-182	352	-173	-246	119
Critical Water Years (16%)	-26	13	-72	541	265	5	-134	-244	140	61	-6	-7

[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 072623, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,083	222	8,374	15,357	21,120	20,365	16,714	13,265	9,932	1,470	1,246	1,130
20% Exceedance	681	-101	3,818	9,939	12,835	12,922	12,354	7,973	4,464	315	465	659
30% Exceedance	540	-604	1,110	4,875	9,969	8,666	10,169	6,179	2,857	-680	-90	170
40% Exceedance	143	-1,164	-151	3,152	6,599	5,881	8,120	5,178	2,152	-1,394	-1,129	-174
50% Exceedance	-100	-1,550	-833	2,210	4,228	4,105	6,226	4,234	1,321	-1,934	-2,212	-381
60% Exceedance	-322	-2,604	-1,926	661	2,018	2,767	5,267	3,482	1,070	-2,811	-2,865	-706
70% Exceedance	-569	-3,338	-3,223	-596	1,381	2,291	3,940	2,743	704	-3,115	-3,130	-914
80% Exceedance	-1,003	-3,629	-4,729	-1,421	535	1,524	2,978	2,042	436	-3,434	-3,461	-1,938
90% Exceedance	-1,836	-4,343	-5,708	-1,977	-389	483	2,180	1,702	268	-4,257	-4,089	-3,084
Full Simulation Period Average[a]	-182	-1,551	563	5,056	8,088	7,787	8,521	6,064	3,286	-1,444	-1,621	-574
Wet Water Years (30%)	-691	-924	5,956	13,437	17,812	16,867	15,380	11,221	7,640	243	-1,284	372
Above Normal Water Years (11%)	432	-2,723	-1,709	7,297	10,365	9,445	8,649	5,257	2,581	-1,436	-2,943	707
Below Normal Water Years (21%)	-121	-2,002	-1,822	1,694	5,156	4,891	7,897	5,591	1,496	-3,269	-3,827	-2,976
Dry Water Years (22%)	-222	-2,115	-2,434	-166	1,918	1,996	4,004	2,980	527	-3,613	-1,168	-925
Critical Water Years (16%)	328	-554	-735	-606	624	1,388	2,603	1,811	1,751	763	927	409

Table 4C-3-9-4b. Qwest, Alternative 3 021624, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,086	316	8,400	15,384	21,014	19,887	16,328	11,557	9,925	1,570	1,288	938
20% Exceedance	709	-87	3,814	9,933	12,904	12,770	11,224	6,727	4,930	357	-162	191
30% Exceedance	560	-545	1,075	5,107	10,128	8,969	9,368	4,855	3,278	-857	-798	-209
40% Exceedance	322	-1,188	-172	3,356	6,934	6,299	7,232	4,184	2,285	-1,566	-1,344	-372
50% Exceedance	120	-1,588	-968	2,449	4,724	4,382	5,976	3,318	1,791	-2,121	-2,526	-718
60% Exceedance	-152	-2,562	-1,798	866	2,610	3,283	4,733	2,635	1,427	-2,926	-3,054	-943
70% Exceedance	-486	-3,252	-3,091	-181	1,817	2,676	3,891	2,067	1,089	-3,290	-3,352	-1,260
80% Exceedance	-1,013	-3,642	-4,561	-1,082	790	1,466	3,062	1,753	829	-3,541	-3,743	-1,714
90% Exceedance	-1,793	-4,343	-5,401	-1,774	-134	618	2,166	1,418	662	-4,426	-4,194	-3,034
Full Simulation Period Average[a]	-116	-1,540	590	5,273	8,320	8,059	8,275	5,211	3,612	-1,529	-1,854	-789
Wet Water Years (30%)	-584	-978	5,989	13,612	17,761	16,898	15,172	9,820	7,919	195	-1,633	-425
Above Normal Water Years (11%)	451	-2,623	-1,906	7,448	10,778	9,844	8,062	4,152	3,055	-1,719	-3,363	368
Below Normal Water Years (21%)	-72	-2,003	-1,828	1,896	5,419	5,542	7,457	4,579	1,920	-3,321	-3,939	-2,819
Dry Water Years (22%)	-108	-2,145	-2,255	-11	2,387	2,362	3,981	2,711	919	-3,761	-1,396	-793
Critical Water Years (16%)	303	-408	-733	-157	894	1,395	2,467	1,568	1,844	791	877	403

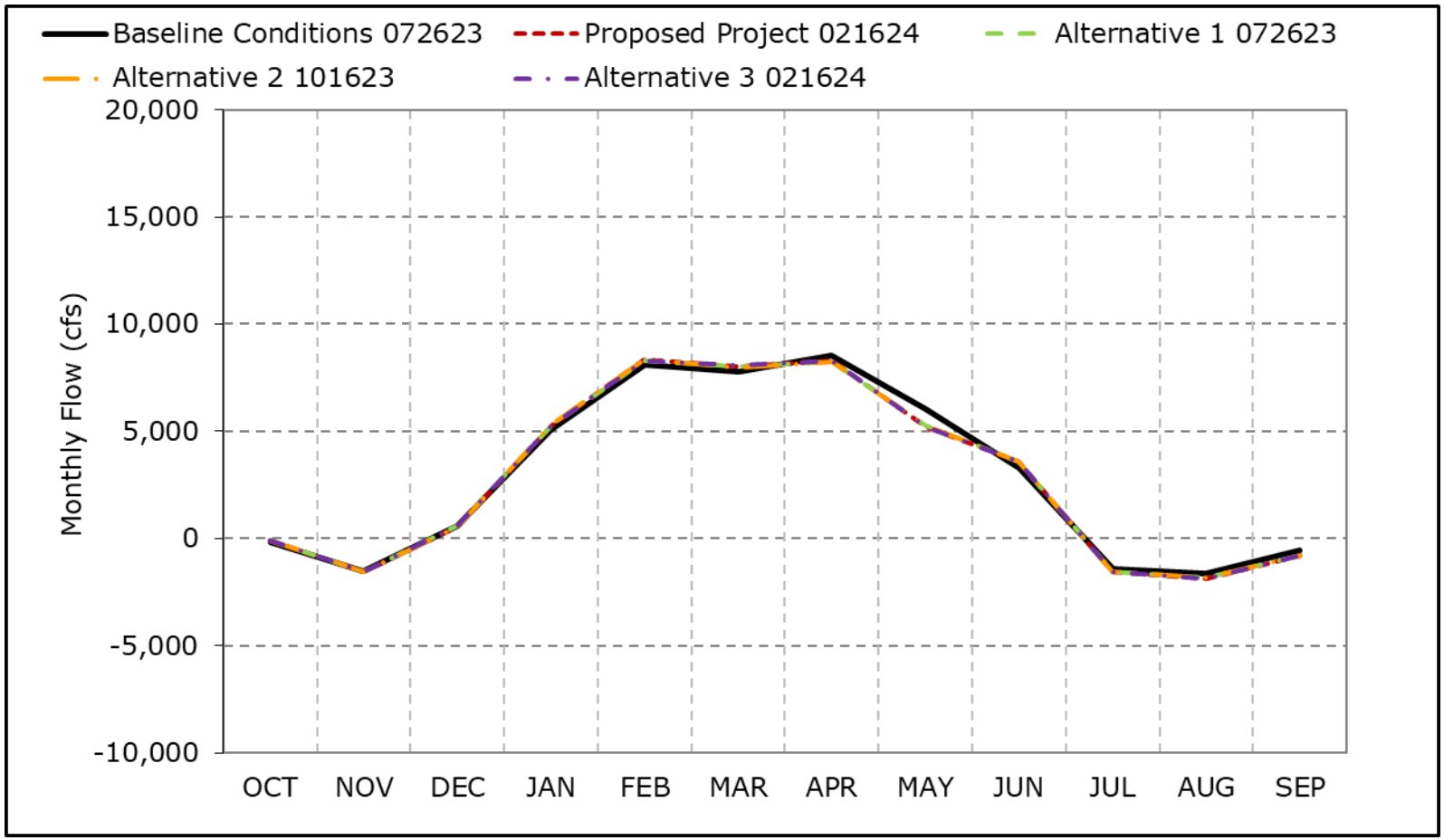
Table 4C-3-9-4c. Qwest, Alternative 3 021624 minus Baseline Conditions 072623, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	4	95	26	27	-106	-478	-386	-1,708	-7	100	42	-193
20% Exceedance	28	14	-4	-5	69	-152	-1,130	-1,247	466	42	-628	-468
30% Exceedance	20	60	-36	233	160	303	-800	-1,324	420	-177	-708	-379
40% Exceedance	180	-23	-21	204	335	418	-887	-995	134	-172	-215	-198
50% Exceedance	219	-38	-134	239	496	277	-250	-916	471	-187	-314	-336
60% Exceedance	170	42	127	205	592	516	-534	-848	357	-115	-189	-237
70% Exceedance	83	86	132	415	436	385	-49	-677	385	-176	-222	-346
80% Exceedance	-9	-13	168	340	255	-59	84	-289	393	-107	-283	224
90% Exceedance	43	-1	308	203	254	135	-14	-284	394	-169	-105	50
Full Simulation Period Average[a]	66	11	27	218	232	272	-246	-852	326	-85	-233	-216
Wet Water Years (30%)	107	-54	33	175	-52	31	-208	-1,401	279	-48	-349	-798
Above Normal Water Years (11%)	18	101	-197	152	413	400	-588	-1,106	475	-283	-420	-339
Below Normal Water Years (21%)	49	-1	-7	202	263	651	-441	-1,012	423	-52	-112	157
Dry Water Years (22%)	115	-31	179	155	469	366	-23	-269	391	-149	-228	132
Critical Water Years (16%)	-25	146	3	449	270	7	-136	-243	93	27	-50	-6

[a] Based on the 100-year simulation period.

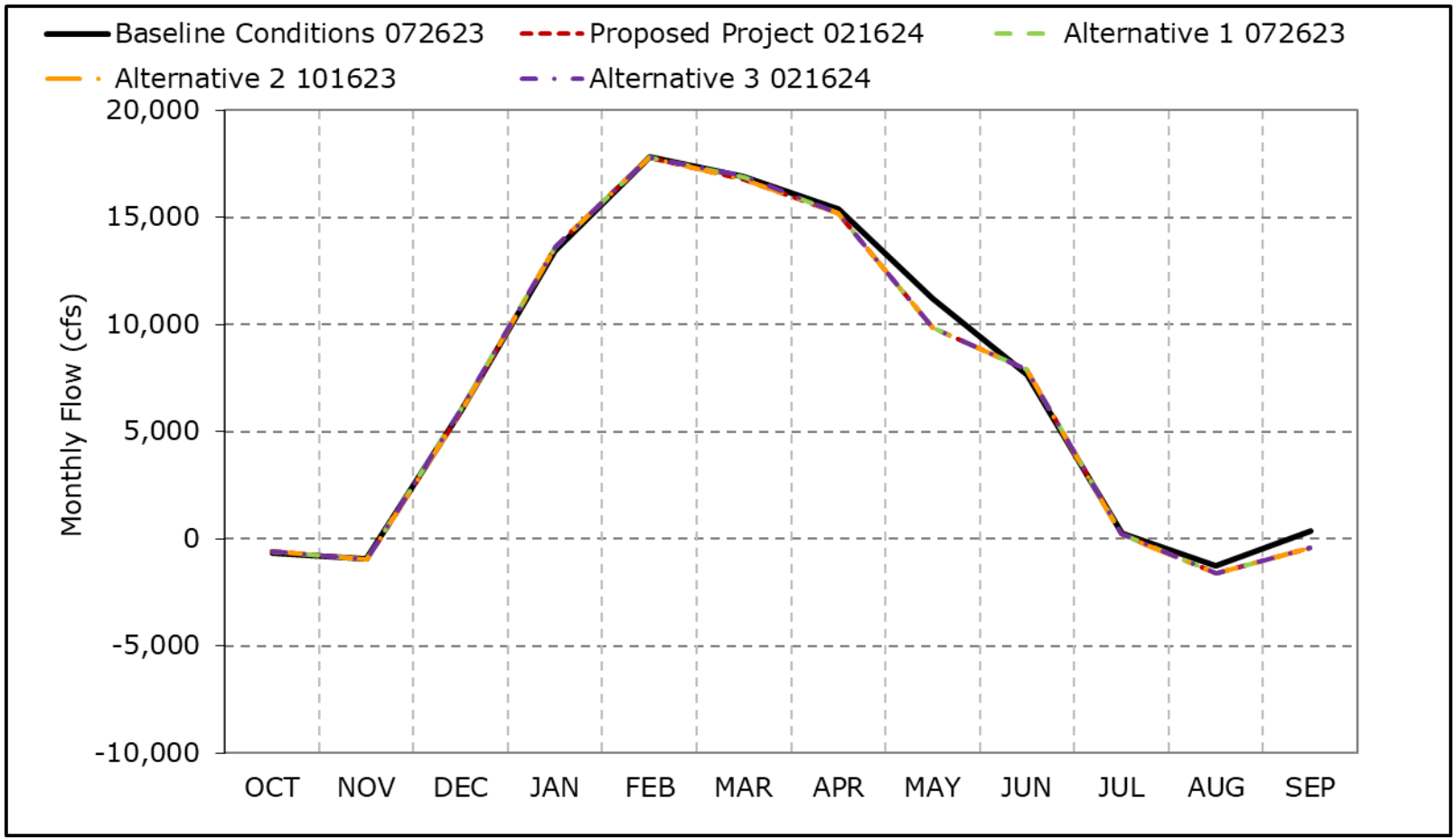
* All scenarios are simulated at current climate condition and 0 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with water year - year type sorting.

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



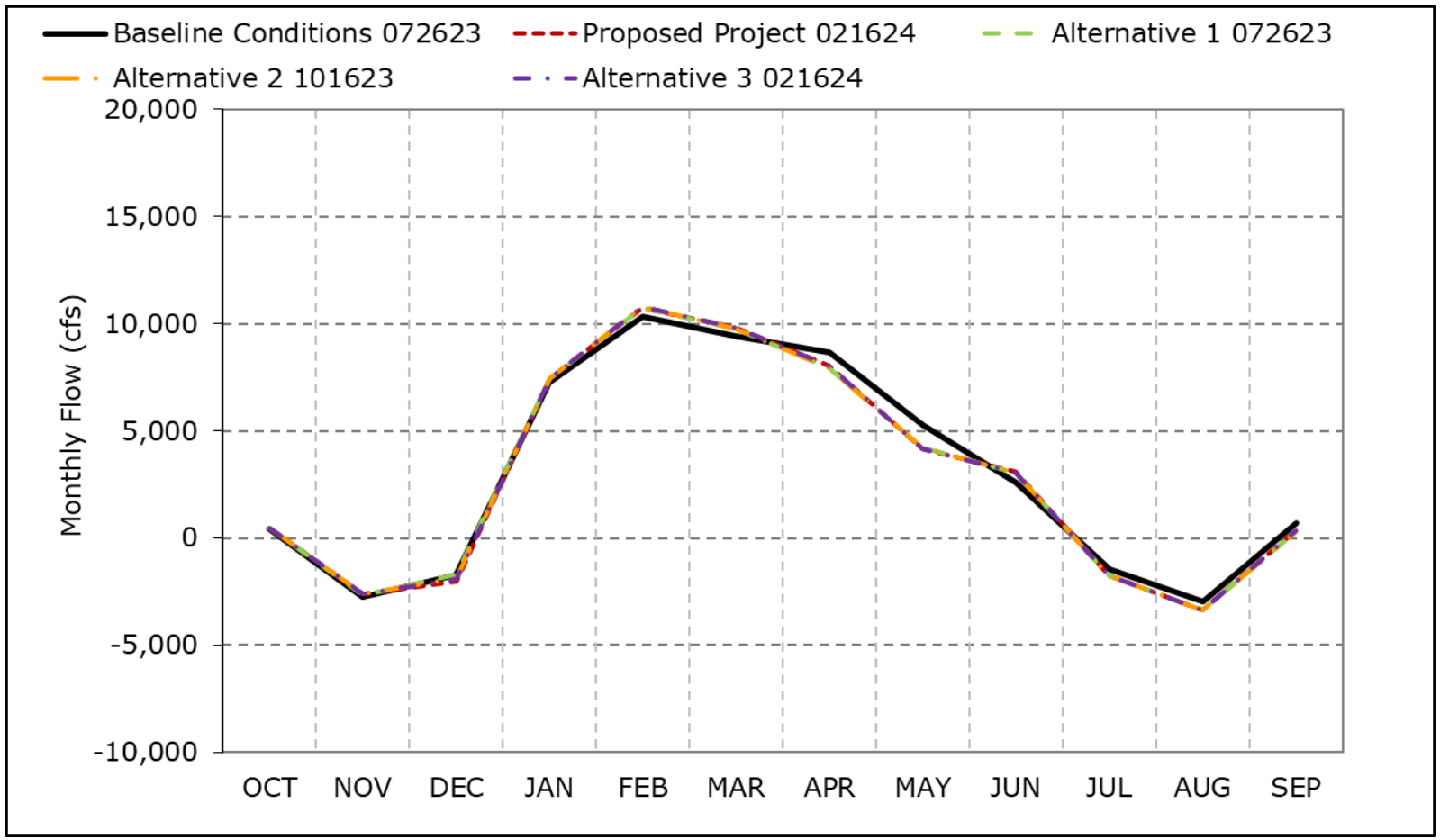
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



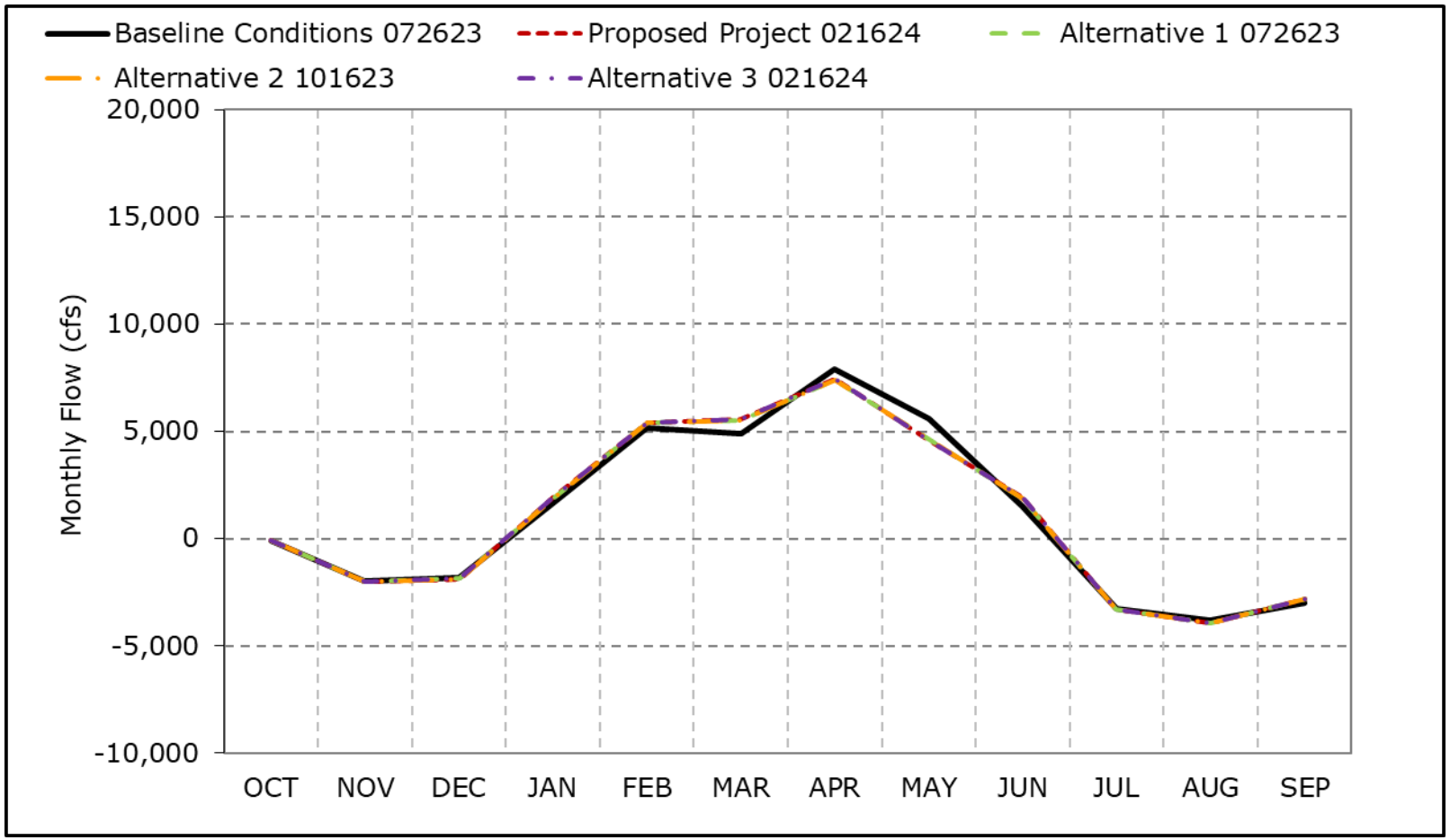
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



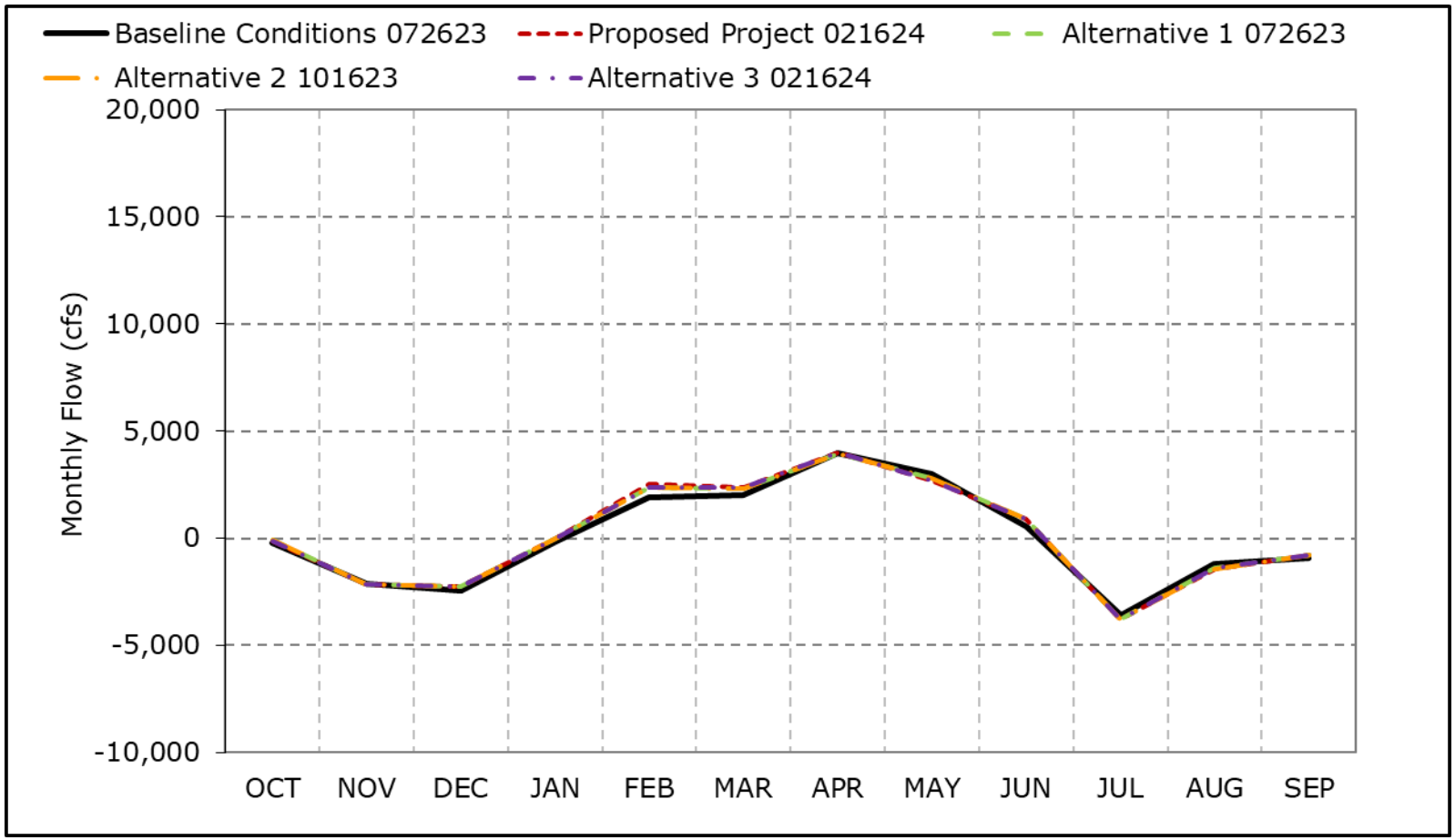
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



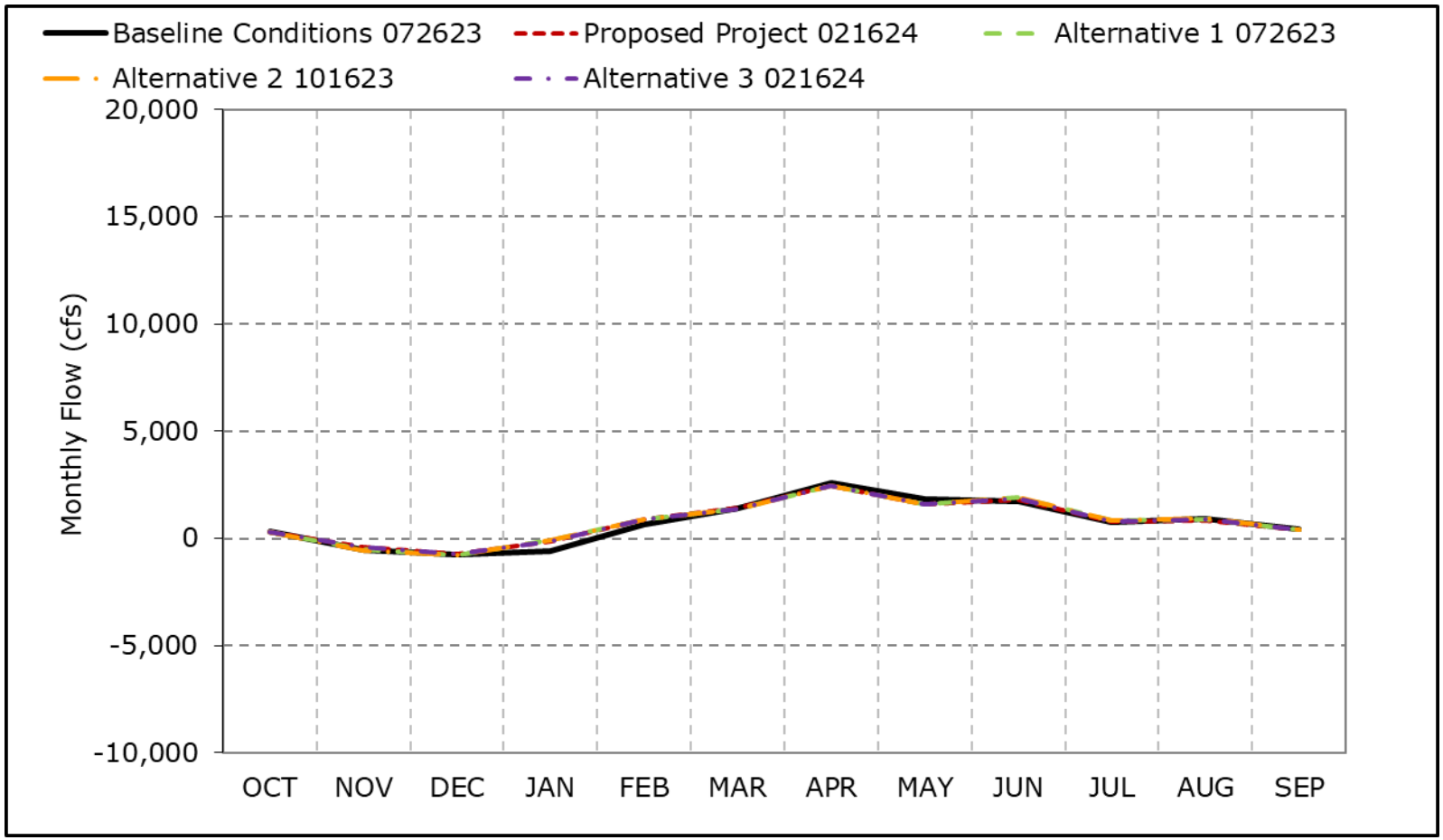
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



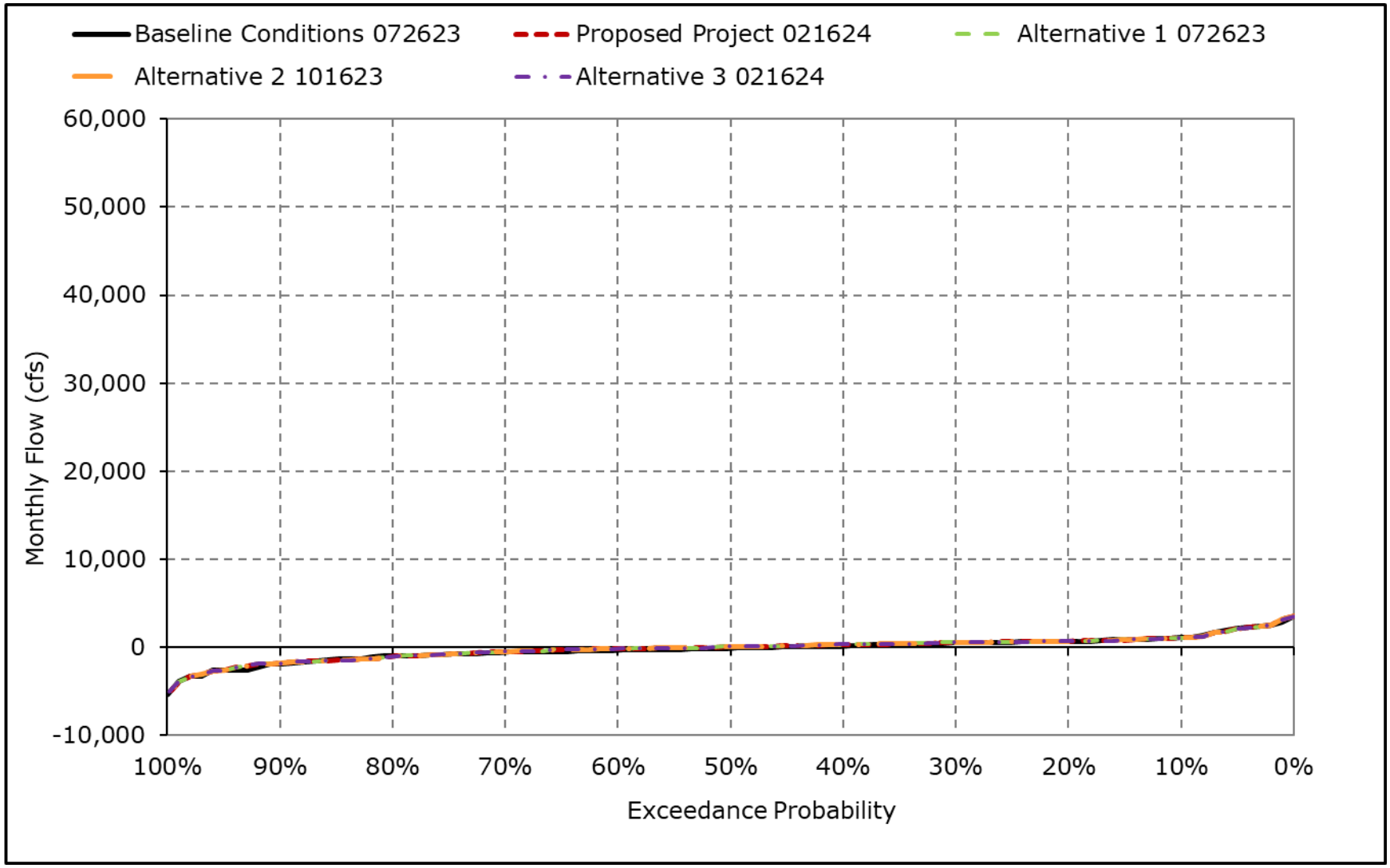
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



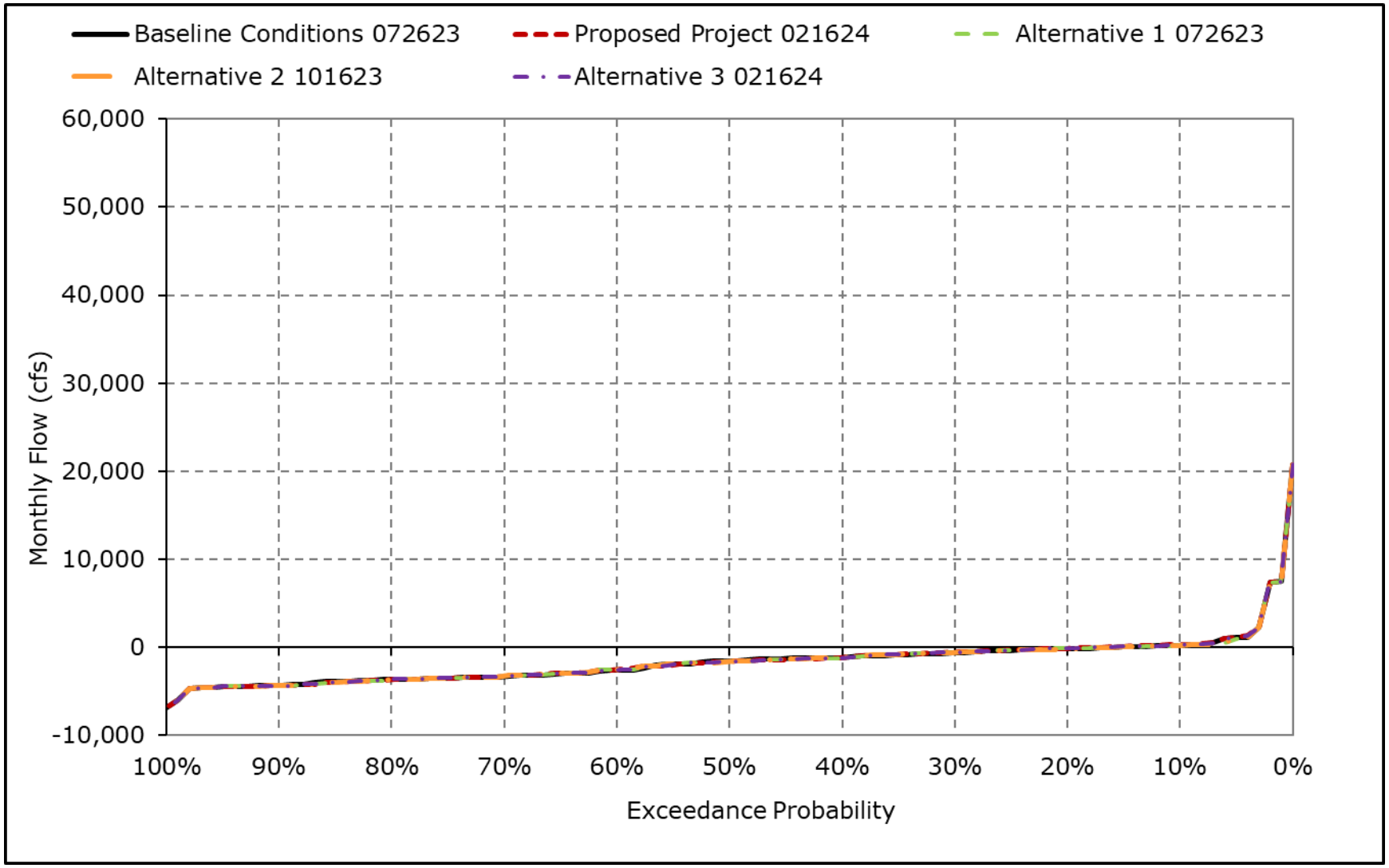
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



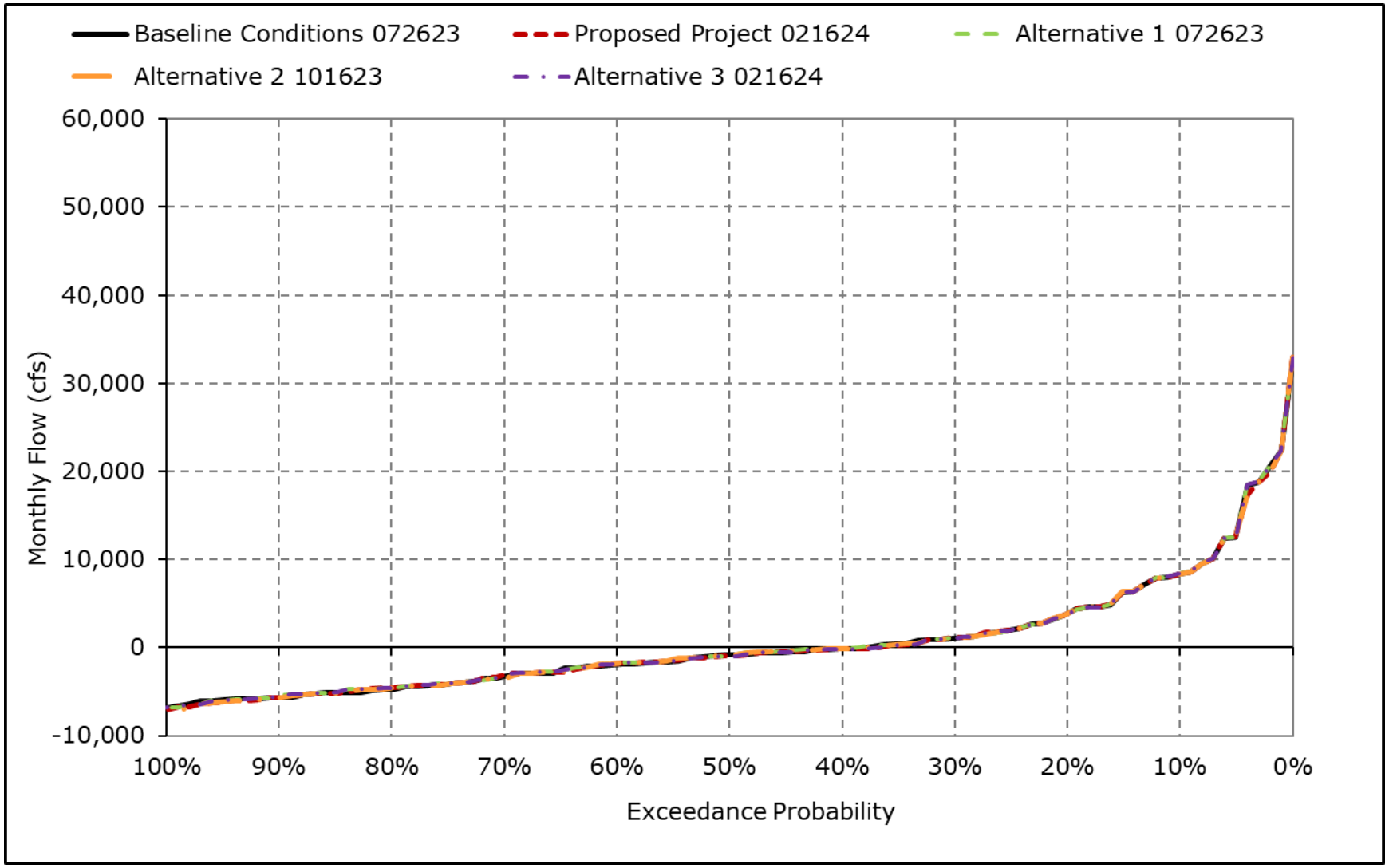
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



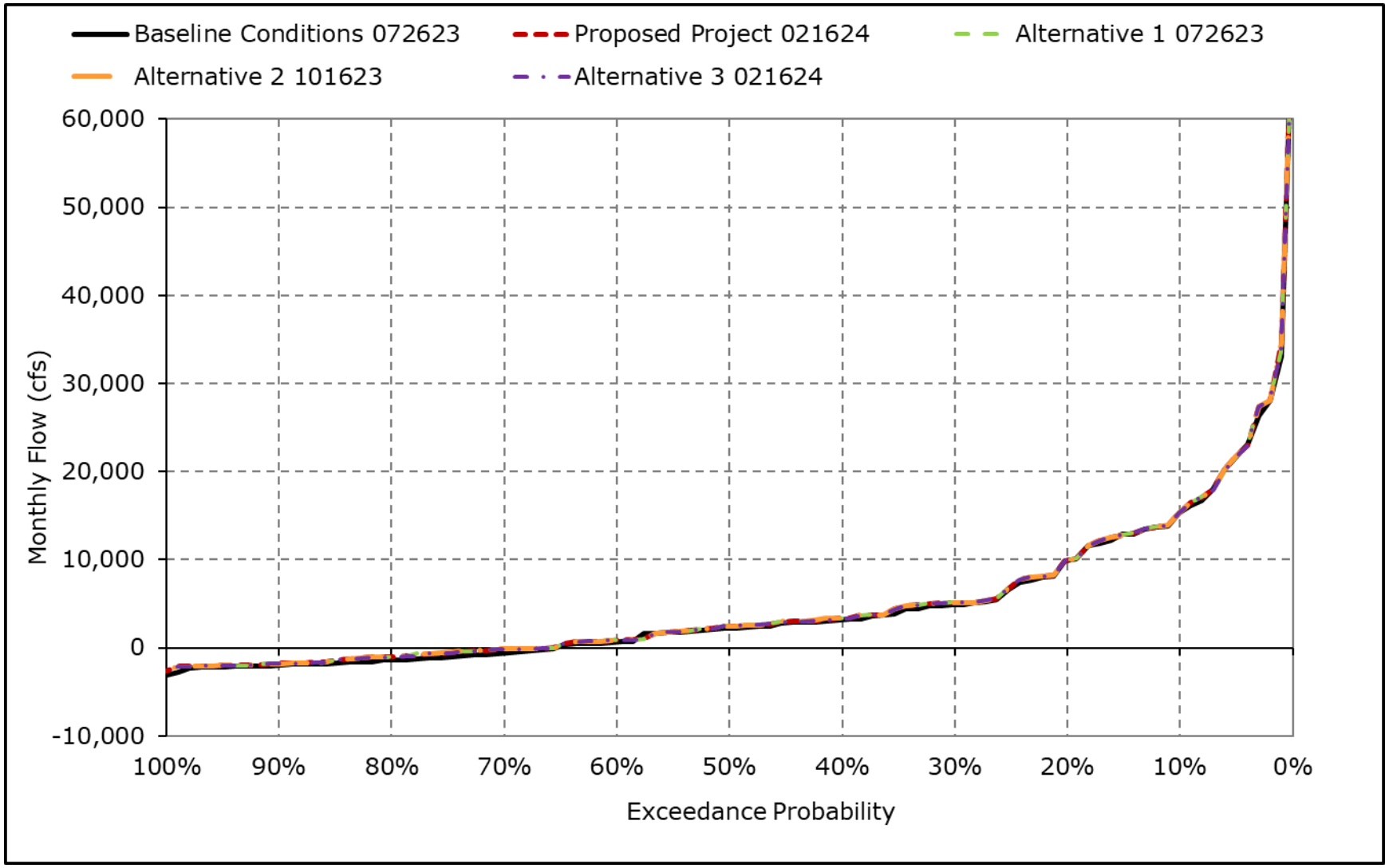
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



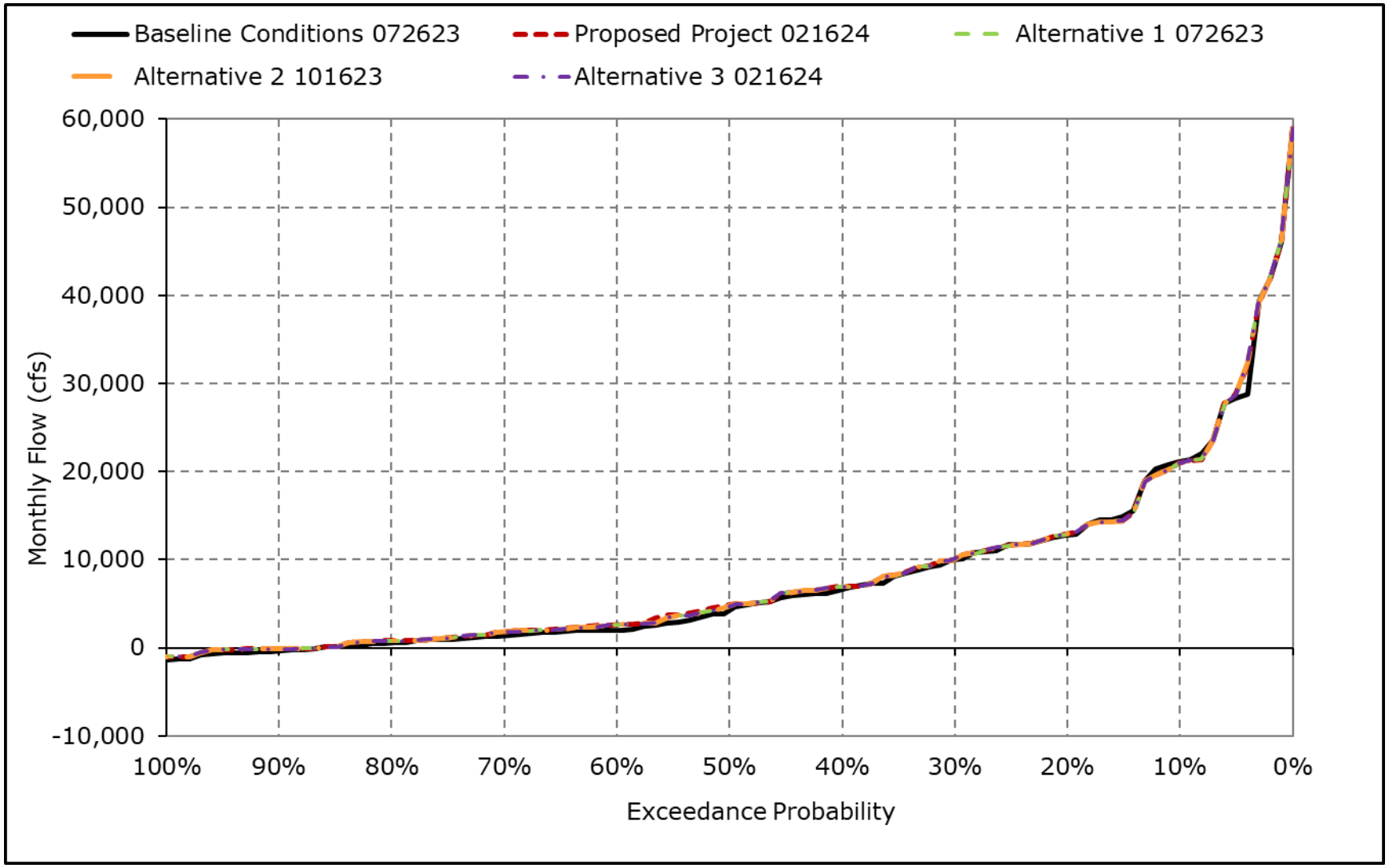
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



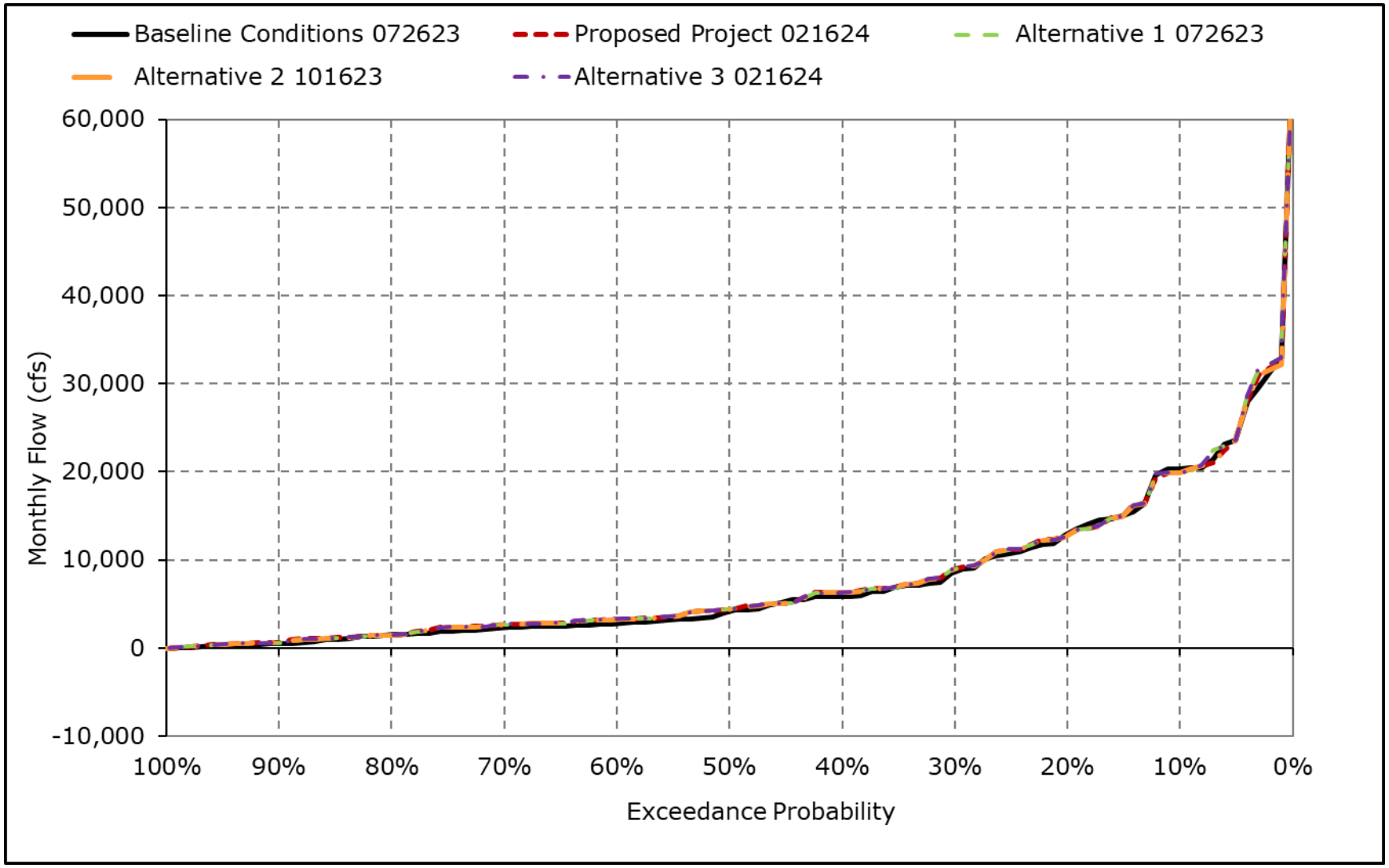
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



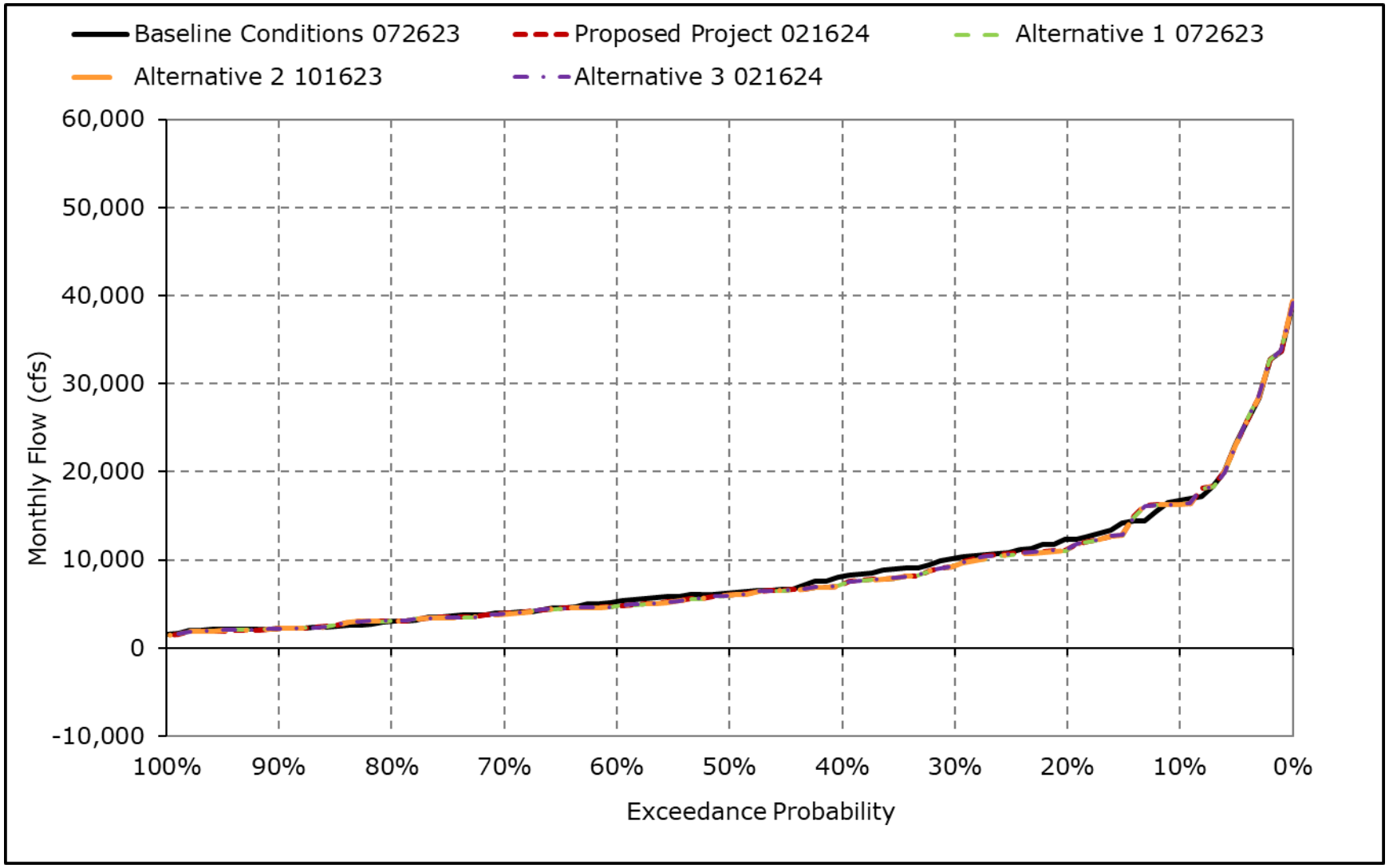
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



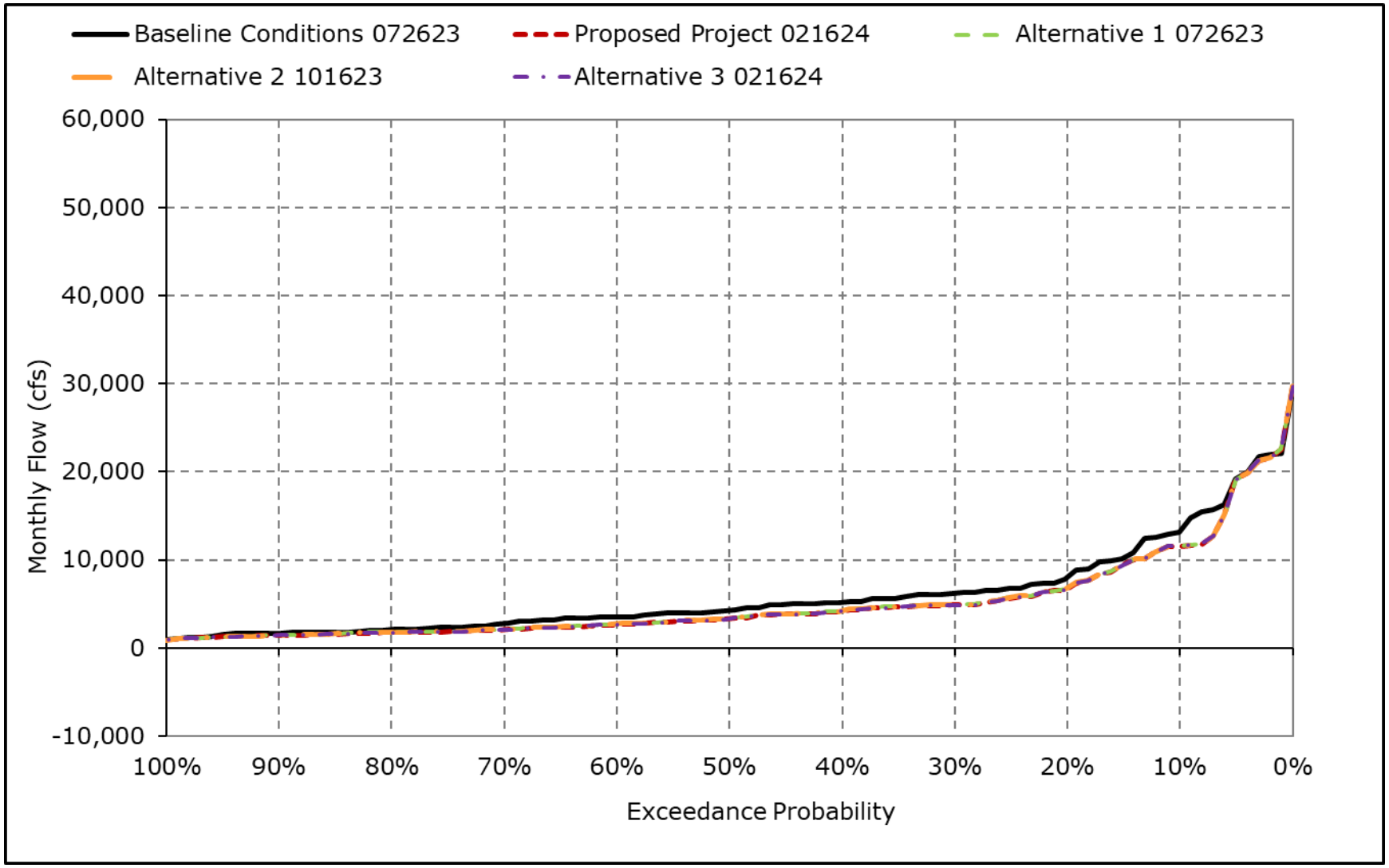
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



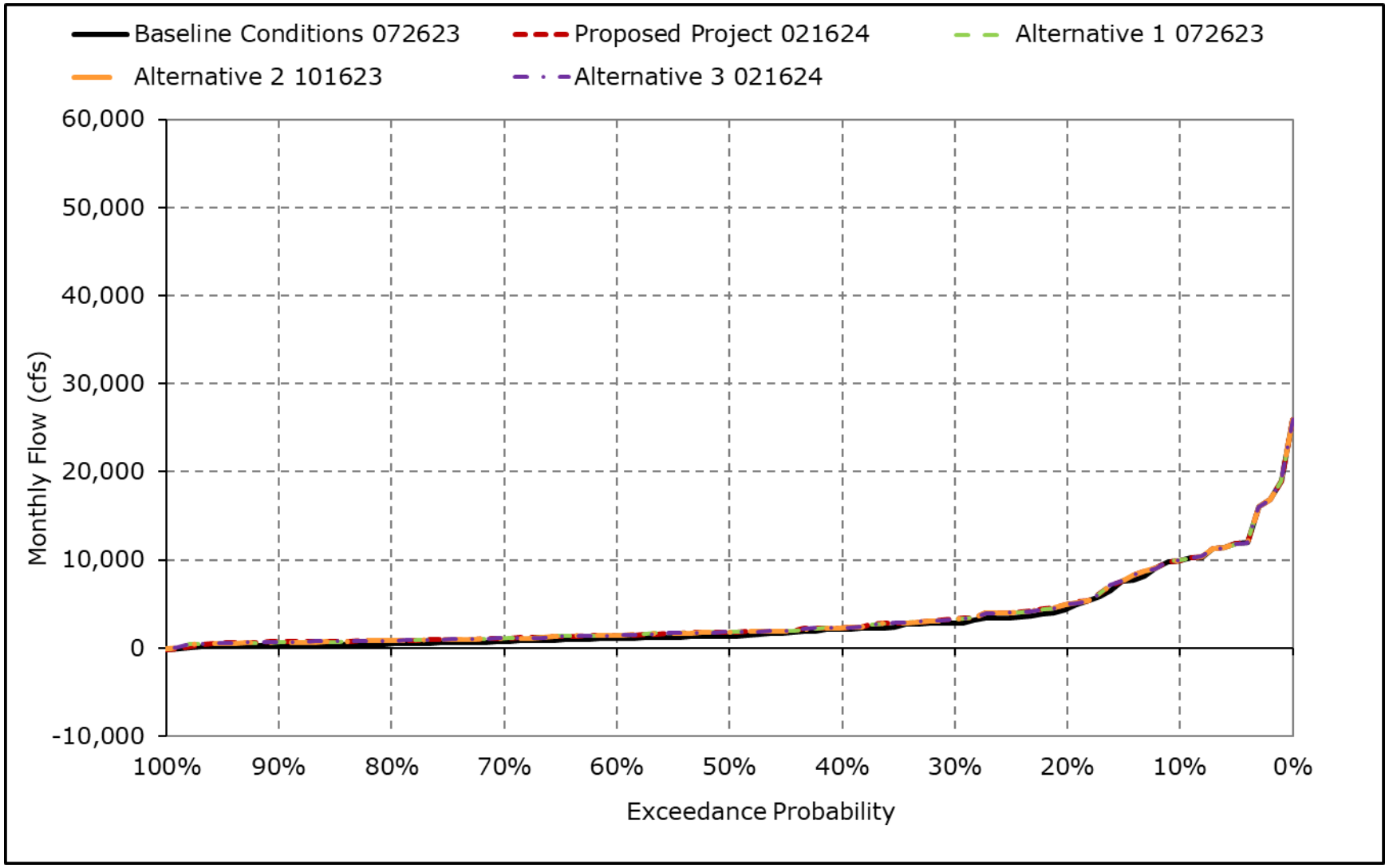
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



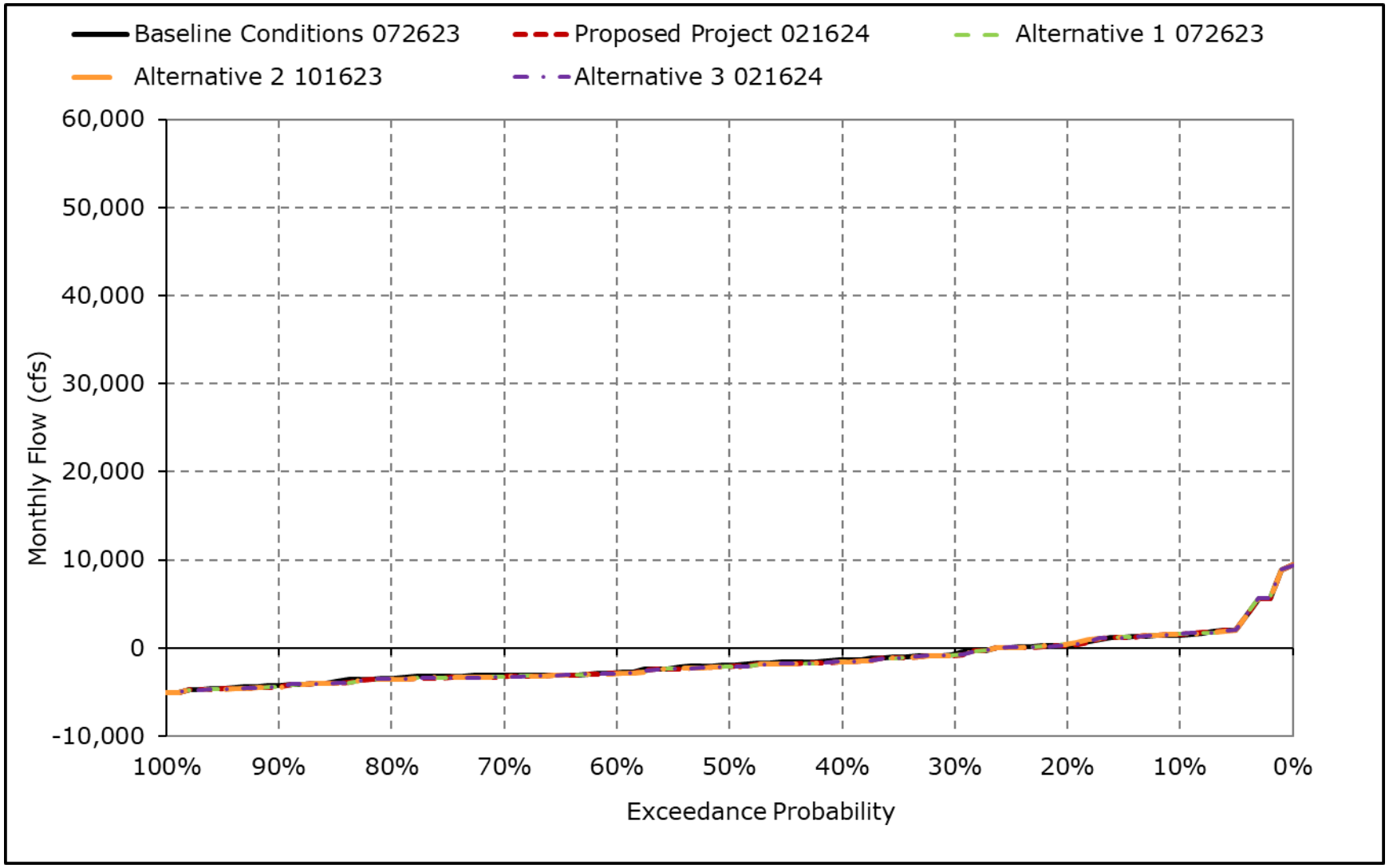
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



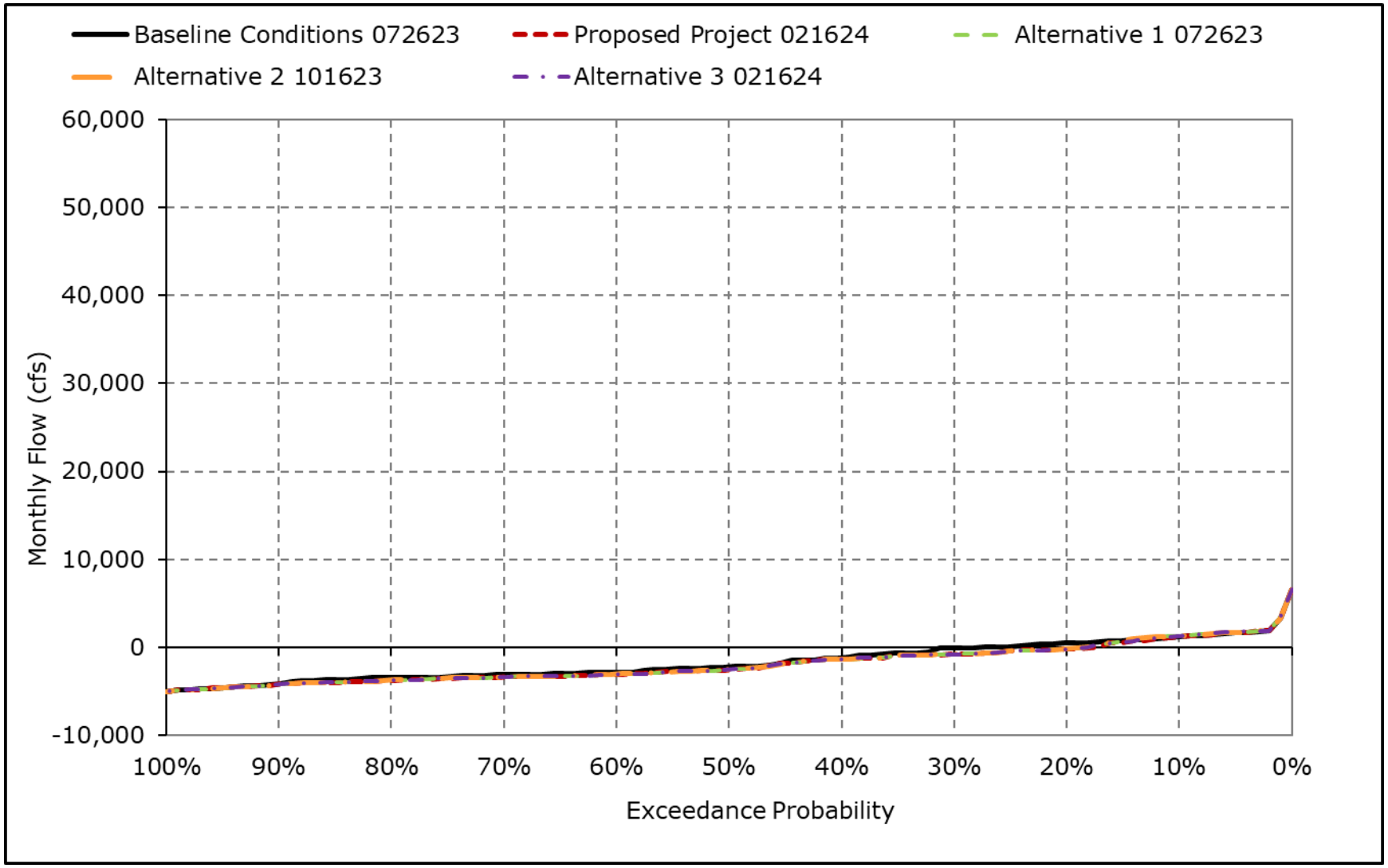
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



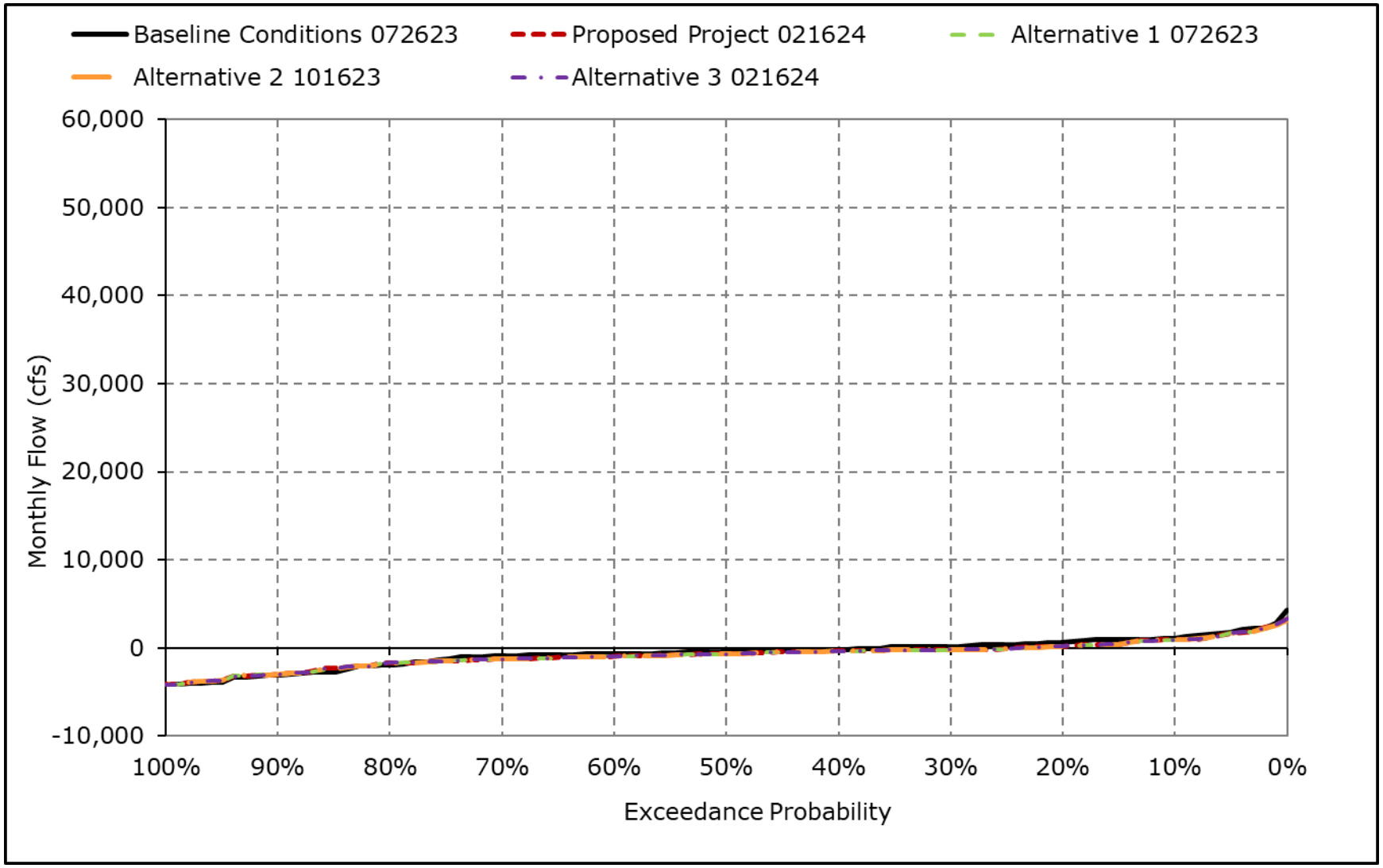
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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 072623, Monthly Outflow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	8,750	16,307	61,184	93,250	123,381	97,994	63,503	47,843	32,017	10,935	7,056	10,506
20% Exceedance	8,125	8,186	34,925	61,886	79,649	62,225	44,811	33,139	20,639	8,808	6,129	10,181
30% Exceedance	7,969	6,682	19,565	36,706	56,522	45,414	31,185	23,254	11,788	8,249	5,885	10,000
40% Exceedance	7,719	6,203	12,118	27,503	40,685	35,875	25,480	18,748	8,656	8,244	5,604	8,447
50% Exceedance	4,845	5,801	9,073	21,439	30,244	24,299	19,181	16,407	7,350	8,005	4,694	4,238
60% Exceedance	4,070	5,446	6,965	17,132	21,409	20,601	15,196	13,022	7,100	6,500	4,033	3,816
70% Exceedance	4,000	4,948	6,122	11,425	16,657	17,807	12,740	11,265	6,935	5,281	4,000	3,088
80% Exceedance	4,000	4,612	5,478	10,011	13,453	13,109	11,148	9,540	6,546	5,000	3,500	3,000
90% Exceedance	3,000	4,500	4,900	7,239	9,597	9,451	10,096	7,739	4,000	4,000	3,000	3,000
Full Simulation Period Average[a]	6,455	9,141	22,209	39,092	50,944	42,791	29,300	22,222	13,267	7,639	5,196	6,494
Wet Water Years (30%)	8,221	15,119	47,570	80,707	101,897	81,961	55,323	39,956	25,311	10,619	7,240	10,852
Above Normal Water Years (11%)	6,085	6,820	14,592	50,616	59,027	56,105	30,579	23,772	14,114	9,698	6,424	10,416
Below Normal Water Years (21%)	6,487	7,930	12,212	21,347	32,990	28,290	22,358	18,687	8,646	7,643	4,441	4,081
Dry Water Years (22%)	5,813	6,272	10,766	13,893	21,516	19,063	14,038	11,606	6,733	5,188	4,129	3,435
Critical Water Years (16%)	4,240	5,061	8,749	11,077	13,876	11,855	9,724	7,144	5,154	4,000	2,975	3,000

Table 4C-3-10-1b. Delta Outflow, Proposed Project 021624, Monthly Outflow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	8,594	16,039	61,396	93,715	126,226	98,481	64,355	47,317	32,007	10,382	6,197	11,250
20% Exceedance	8,281	8,200	34,950	62,139	78,805	61,744	43,926	32,055	21,173	8,272	5,695	10,338
30% Exceedance	7,969	6,738	19,576	37,261	56,195	45,881	30,310	22,369	12,283	8,249	5,484	10,025
40% Exceedance	7,813	6,248	12,240	27,521	41,016	35,708	24,935	16,790	9,347	8,005	5,185	9,022
50% Exceedance	4,803	5,728	8,656	21,809	30,846	25,333	19,412	15,121	7,833	7,679	4,181	4,610
60% Exceedance	4,138	5,378	7,086	17,250	21,470	21,674	15,616	11,942	7,100	6,500	4,000	3,853
70% Exceedance	4,000	4,882	6,288	11,782	16,709	18,185	12,406	10,640	7,100	5,000	3,574	3,325
80% Exceedance	4,000	4,612	5,594	9,845	14,456	13,840	11,441	9,488	6,607	5,000	3,500	3,000
90% Exceedance	3,000	4,500	4,849	7,441	10,127	9,417	9,994	7,630	4,000	4,000	3,000	3,000
Full Simulation Period Average[a]	6,495	9,135	22,230	39,308	51,135	43,096	29,172	21,424	13,497	7,491	4,862	6,602
Wet Water Years (30%)	8,290	15,097	47,540	80,929	101,816	81,830	55,086	38,551	25,612	10,539	6,860	10,715
Above Normal Water Years (11%)	6,170	6,946	14,362	50,788	59,320	56,567	30,186	22,840	14,576	9,279	5,648	11,233
Below Normal Water Years (21%)	6,484	7,812	12,328	21,584	33,011	29,062	22,253	17,603	9,029	7,443	4,183	4,204
Dry Water Years (22%)	5,848	6,295	10,754	13,921	22,023	19,678	14,183	11,540	6,771	5,025	3,780	3,586
Critical Water Years (16%)	4,257	5,100	8,961	11,546	14,298	11,830	9,580	6,941	5,154	4,000	2,958	3,000

Table 4C-3-10-1c. Delta Outflow, Proposed Project 021624 minus Baseline Conditions 072623, Monthly Outflow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-156	-269	212	466	2,845	487	853	-527	-9	-553	-859	744
20% Exceedance	156	14	25	253	-844	-481	-885	-1,084	534	-537	-434	156
30% Exceedance	0	56	11	555	-328	467	-875	-885	495	0	-402	25
40% Exceedance	94	45	122	18	331	-167	-544	-1,958	691	-239	-418	576
50% Exceedance	-42	-73	-417	370	602	1,034	231	-1,286	483	-326	-513	372
60% Exceedance	68	-69	121	118	62	1,073	420	-1,080	0	0	-33	37
70% Exceedance	0	-66	166	357	52	378	-334	-624	165	-281	-426	238
80% Exceedance	0	0	116	-165	1,003	731	293	-52	61	0	0	0
90% Exceedance	0	0	-51	202	530	-34	-103	-110	0	0	0	0
Full Simulation Period Average[a]	40	-6	21	216	191	305	-128	-799	230	-148	-333	108
Wet Water Years (30%)	69	-21	-30	222	-82	-131	-237	-1,404	301	-80	-380	-136
Above Normal Water Years (11%)	85	126	-230	171	292	462	-392	-932	462	-418	-776	817
Below Normal Water Years (21%)	-3	-118	117	236	21	772	-105	-1,084	383	-200	-259	123
Dry Water Years (22%)	35	24	-12	27	507	615	145	-66	38	-163	-349	151
Critical Water Years (16%)	18	40	211	469	422	-25	-144	-203	0	0	-17	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 072623, Monthly Outflow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	8,750	16,307	61,184	93,250	123,381	97,994	63,503	47,843	32,017	10,935	7,056	10,506
20% Exceedance	8,125	8,186	34,925	61,886	79,649	62,225	44,811	33,139	20,639	8,808	6,129	10,181
30% Exceedance	7,969	6,682	19,565	36,706	56,522	45,414	31,185	23,254	11,788	8,249	5,885	10,000
40% Exceedance	7,719	6,203	12,118	27,503	40,685	35,875	25,480	18,748	8,656	8,244	5,604	8,447
50% Exceedance	4,845	5,801	9,073	21,439	30,244	24,299	19,181	16,407	7,350	8,005	4,694	4,238
60% Exceedance	4,070	5,446	6,965	17,132	21,409	20,601	15,196	13,022	7,100	6,500	4,033	3,816
70% Exceedance	4,000	4,948	6,122	11,425	16,657	17,807	12,740	11,265	6,935	5,281	4,000	3,088
80% Exceedance	4,000	4,612	5,478	10,011	13,453	13,109	11,148	9,540	6,546	5,000	3,500	3,000
90% Exceedance	3,000	4,500	4,900	7,239	9,597	9,451	10,096	7,739	4,000	4,000	3,000	3,000
Full Simulation Period Average[a]	6,455	9,141	22,209	39,092	50,944	42,791	29,300	22,222	13,267	7,639	5,196	6,494
Wet Water Years (30%)	8,221	15,119	47,570	80,707	101,897	81,961	55,323	39,956	25,311	10,619	7,240	10,852
Above Normal Water Years (11%)	6,085	6,820	14,592	50,616	59,027	56,105	30,579	23,772	14,114	9,698	6,424	10,416
Below Normal Water Years (21%)	6,487	7,930	12,212	21,347	32,990	28,290	22,358	18,687	8,646	7,643	4,441	4,081
Dry Water Years (22%)	5,813	6,272	10,766	13,893	21,516	19,063	14,038	11,606	6,733	5,188	4,129	3,435
Critical Water Years (16%)	4,240	5,061	8,749	11,077	13,876	11,855	9,724	7,144	5,154	4,000	2,975	3,000

Table 4C-3-10-2b. Delta Outflow, Alternative 1 072623, Monthly Outflow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	8,594	16,055	61,397	93,677	126,171	98,427	64,357	47,316	32,008	10,381	6,169	11,250
20% Exceedance	8,281	8,188	34,973	62,165	78,739	62,662	43,544	32,459	21,173	8,478	5,695	10,338
30% Exceedance	7,969	6,821	19,575	37,255	56,343	45,677	30,141	22,638	12,282	8,249	5,484	10,025
40% Exceedance	7,813	6,251	12,223	27,500	41,037	35,709	24,770	17,439	9,252	8,034	5,228	9,022
50% Exceedance	4,803	5,723	8,808	21,821	30,854	25,112	19,132	15,490	7,722	7,602	4,084	4,630
60% Exceedance	4,091	5,392	7,045	17,250	21,470	21,396	15,253	12,524	7,100	6,500	4,000	3,884
70% Exceedance	4,000	4,892	6,151	11,415	17,248	17,942	12,205	11,308	7,050	5,000	3,648	3,391
80% Exceedance	4,000	4,611	5,593	9,848	14,669	13,623	11,260	10,124	6,437	5,000	3,500	3,000
90% Exceedance	3,000	4,500	4,847	7,545	10,125	9,399	9,977	7,629	4,000	4,000	3,000	3,000
Full Simulation Period Average[a]	6,492	9,136	22,277	39,324	51,185	43,004	28,998	21,768	13,431	7,500	4,864	6,610
Wet Water Years (30%)	8,276	15,103	47,624	80,906	101,846	81,967	55,045	38,553	25,612	10,535	6,862	10,712
Above Normal Water Years (11%)	6,171	6,936	14,728	50,813	59,258	56,317	29,921	23,477	14,474	9,318	5,648	11,233
Below Normal Water Years (21%)	6,487	7,795	12,341	21,579	33,034	28,867	21,865	18,253	8,892	7,481	4,172	4,221
Dry Water Years (22%)	5,849	6,295	10,773	13,919	22,130	19,414	13,946	12,161	6,651	5,016	3,782	3,609
Critical Water Years (16%)	4,257	5,127	8,801	11,679	14,421	11,789	9,583	6,941	5,154	4,000	2,973	3,000

Table 4C-3-10-2c. Delta Outflow, Alternative 1 072623 minus Baseline Conditions 072623, Monthly Outflow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-156	-253	214	427	2,790	433	854	-527	-9	-554	-888	744
20% Exceedance	156	2	49	279	-910	437	-1,267	-680	534	-330	-434	156
30% Exceedance	0	139	10	550	-179	263	-1,044	-617	493	0	-402	25
40% Exceedance	94	49	105	-3	352	-167	-710	-1,309	596	-210	-376	576
50% Exceedance	-42	-77	-265	383	610	813	-50	-917	371	-403	-610	392
60% Exceedance	21	-54	81	118	62	796	57	-498	0	0	-33	68
70% Exceedance	0	-56	29	-9	591	135	-535	43	115	-281	-352	303
80% Exceedance	0	-1	115	-163	1,216	514	112	584	-109	0	0	0
90% Exceedance	0	0	-53	306	527	-52	-119	-110	0	0	0	0
Full Simulation Period Average[a]	37	-5	68	232	242	213	-302	-455	163	-139	-332	116
Wet Water Years (30%)	55	-16	54	199	-51	5	-278	-1,403	300	-83	-378	-140
Above Normal Water Years (11%)	86	117	136	196	231	212	-658	-295	360	-380	-776	817
Below Normal Water Years (21%)	0	-134	130	232	44	577	-493	-434	246	-163	-269	140
Dry Water Years (22%)	36	23	7	25	614	351	-92	555	-82	-172	-347	175
Critical Water Years (16%)	18	66	52	602	545	-66	-141	-203	0	0	-2	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 072623, Monthly Outflow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	8,750	16,307	61,184	93,250	123,381	97,994	63,503	47,843	32,017	10,935	7,056	10,506
20% Exceedance	8,125	8,186	34,925	61,886	79,649	62,225	44,811	33,139	20,639	8,808	6,129	10,181
30% Exceedance	7,969	6,682	19,565	36,706	56,522	45,414	31,185	23,254	11,788	8,249	5,885	10,000
40% Exceedance	7,719	6,203	12,118	27,503	40,685	35,875	25,480	18,748	8,656	8,244	5,604	8,447
50% Exceedance	4,845	5,801	9,073	21,439	30,244	24,299	19,181	16,407	7,350	8,005	4,694	4,238
60% Exceedance	4,070	5,446	6,965	17,132	21,409	20,601	15,196	13,022	7,100	6,500	4,033	3,816
70% Exceedance	4,000	4,948	6,122	11,425	16,657	17,807	12,740	11,265	6,935	5,281	4,000	3,088
80% Exceedance	4,000	4,612	5,478	10,011	13,453	13,109	11,148	9,540	6,546	5,000	3,500	3,000
90% Exceedance	3,000	4,500	4,900	7,239	9,597	9,451	10,096	7,739	4,000	4,000	3,000	3,000
Full Simulation Period Average[a]	6,455	9,141	22,209	39,092	50,944	42,791	29,300	22,222	13,267	7,639	5,196	6,494
Wet Water Years (30%)	8,221	15,119	47,570	80,707	101,897	81,961	55,323	39,956	25,311	10,619	7,240	10,852
Above Normal Water Years (11%)	6,085	6,820	14,592	50,616	59,027	56,105	30,579	23,772	14,114	9,698	6,424	10,416
Below Normal Water Years (21%)	6,487	7,930	12,212	21,347	32,990	28,290	22,358	18,687	8,646	7,643	4,441	4,081
Dry Water Years (22%)	5,813	6,272	10,766	13,893	21,516	19,063	14,038	11,606	6,733	5,188	4,129	3,435
Critical Water Years (16%)	4,240	5,061	8,749	11,077	13,876	11,855	9,724	7,144	5,154	4,000	2,975	3,000

Table 4C-3-10-3b. Delta Outflow, Alternative 2 101623, Monthly Outflow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	8,594	16,149	61,397	93,761	126,205	98,422	64,358	47,317	32,008	10,381	6,169	11,250
20% Exceedance	8,281	8,188	34,974	62,167	78,738	62,661	43,547	32,380	21,173	8,478	5,695	10,338
30% Exceedance	7,969	6,822	19,577	37,278	56,189	45,677	30,133	22,638	12,281	8,249	5,484	10,025
40% Exceedance	7,813	6,251	12,190	27,500	41,043	35,715	24,768	17,429	9,253	8,034	5,228	9,022
50% Exceedance	4,800	5,723	8,657	21,853	30,853	25,112	19,132	15,490	7,722	7,602	4,083	4,641
60% Exceedance	4,090	5,380	6,991	17,250	21,471	21,397	15,253	12,524	7,100	6,500	4,000	3,884
70% Exceedance	4,000	4,891	6,322	11,916	16,922	17,943	12,205	11,303	7,050	5,000	3,645	3,399
80% Exceedance	4,000	4,611	5,601	9,860	14,610	13,623	11,260	10,124	6,437	5,000	3,500	3,000
90% Exceedance	3,000	4,500	4,844	7,509	10,124	9,399	9,978	7,629	4,000	4,000	3,000	3,000
Full Simulation Period Average[a]	6,491	9,136	22,231	39,333	51,181	42,959	28,998	21,766	13,431	7,500	4,864	6,610
Wet Water Years (30%)	8,276	15,104	47,546	80,936	101,826	81,818	55,060	38,551	25,612	10,535	6,862	10,712
Above Normal Water Years (11%)	6,167	6,940	14,548	50,811	59,348	56,285	29,939	23,477	14,476	9,318	5,648	11,233
Below Normal Water Years (21%)	6,486	7,797	12,341	21,577	33,030	28,866	21,833	18,248	8,891	7,481	4,172	4,224
Dry Water Years (22%)	5,849	6,295	10,762	13,921	22,110	19,427	13,947	12,160	6,651	5,016	3,782	3,608
Critical Water Years (16%)	4,256	5,118	8,797	11,682	14,404	11,788	9,583	6,941	5,154	4,000	2,973	3,000

Table 4C-3-10-3c. Delta Outflow, Alternative 2 101623 minus Baseline Conditions 072623, Monthly Outflow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-156	-158	213	511	2,823	428	855	-527	-9	-554	-887	744
20% Exceedance	156	2	50	282	-910	436	-1,264	-759	534	-330	-434	156
30% Exceedance	0	139	11	572	-333	263	-1,052	-616	493	0	-402	25
40% Exceedance	94	49	72	-3	358	-160	-711	-1,319	596	-210	-376	576
50% Exceedance	-46	-77	-416	414	609	813	-49	-917	371	-403	-611	403
60% Exceedance	20	-66	27	118	62	797	56	-498	0	0	-33	68
70% Exceedance	0	-57	200	492	265	135	-535	38	115	-281	-355	311
80% Exceedance	0	-1	124	-150	1,157	514	112	584	-109	0	0	0
90% Exceedance	0	0	-56	270	527	-52	-119	-110	0	0	0	0
Full Simulation Period Average[a]	36	-5	22	241	237	167	-302	-457	164	-139	-332	116
Wet Water Years (30%)	55	-15	-24	229	-72	-144	-263	-1,405	301	-83	-378	-140
Above Normal Water Years (11%)	82	121	-44	194	320	180	-640	-295	362	-380	-776	817
Below Normal Water Years (21%)	-1	-133	129	230	40	576	-525	-439	246	-162	-270	142
Dry Water Years (22%)	36	23	-3	27	594	364	-91	553	-82	-172	-347	173
Critical Water Years (16%)	16	57	48	605	527	-66	-141	-203	0	0	-2	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 072623, Monthly Outflow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	8,750	16,307	61,184	93,250	123,381	97,994	63,503	47,843	32,017	10,935	7,056	10,506
20% Exceedance	8,125	8,186	34,925	61,886	79,649	62,225	44,811	33,139	20,639	8,808	6,129	10,181
30% Exceedance	7,969	6,682	19,565	36,706	56,522	45,414	31,185	23,254	11,788	8,249	5,885	10,000
40% Exceedance	7,719	6,203	12,118	27,503	40,685	35,875	25,480	18,748	8,656	8,244	5,604	8,447
50% Exceedance	4,845	5,801	9,073	21,439	30,244	24,299	19,181	16,407	7,350	8,005	4,694	4,238
60% Exceedance	4,070	5,446	6,965	17,132	21,409	20,601	15,196	13,022	7,100	6,500	4,033	3,816
70% Exceedance	4,000	4,948	6,122	11,425	16,657	17,807	12,740	11,265	6,935	5,281	4,000	3,088
80% Exceedance	4,000	4,612	5,478	10,011	13,453	13,109	11,148	9,540	6,546	5,000	3,500	3,000
90% Exceedance	3,000	4,500	4,900	7,239	9,597	9,451	10,096	7,739	4,000	4,000	3,000	3,000
Full Simulation Period Average[a]	6,455	9,141	22,209	39,092	50,944	42,791	29,300	22,222	13,267	7,639	5,196	6,494
Wet Water Years (30%)	8,221	15,119	47,570	80,707	101,897	81,961	55,323	39,956	25,311	10,619	7,240	10,852
Above Normal Water Years (11%)	6,085	6,820	14,592	50,616	59,027	56,105	30,579	23,772	14,114	9,698	6,424	10,416
Below Normal Water Years (21%)	6,487	7,930	12,212	21,347	32,990	28,290	22,358	18,687	8,646	7,643	4,441	4,081
Dry Water Years (22%)	5,813	6,272	10,766	13,893	21,516	19,063	14,038	11,606	6,733	5,188	4,129	3,435
Critical Water Years (16%)	4,240	5,061	8,749	11,077	13,876	11,855	9,724	7,144	5,154	4,000	2,975	3,000

Table 4C-3-10-4b. Delta Outflow, Alternative 3 021624, Monthly Outflow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	8,594	15,925	61,396	93,687	126,255	98,481	64,355	47,316	32,007	10,381	6,227	11,250
20% Exceedance	8,281	8,195	34,950	62,141	78,805	61,767	43,928	32,053	21,173	8,272	5,695	10,338
30% Exceedance	7,969	6,738	19,574	37,255	56,341	45,881	30,319	22,369	12,283	8,249	5,484	10,025
40% Exceedance	7,813	6,248	12,257	27,513	41,015	35,706	24,933	16,789	9,347	8,005	5,185	9,022
50% Exceedance	4,805	5,728	8,809	21,812	30,845	25,334	19,412	15,120	7,833	7,679	4,180	4,585
60% Exceedance	4,138	5,378	6,995	17,250	21,469	21,674	15,616	11,942	7,100	6,500	4,000	3,853
70% Exceedance	4,000	4,893	6,119	11,781	17,250	18,185	12,406	10,658	7,100	5,000	3,577	3,323
80% Exceedance	4,000	4,611	5,588	9,846	14,703	13,840	11,441	9,488	6,607	5,000	3,500	3,000
90% Exceedance	3,000	4,500	4,849	7,545	10,127	9,417	9,994	7,629	4,000	4,000	3,000	3,000
Full Simulation Period Average[a]	6,496	9,134	22,258	39,308	51,190	43,138	29,160	21,425	13,491	7,489	4,865	6,601
Wet Water Years (30%)	8,290	15,098	47,609	80,902	101,835	81,978	55,048	38,552	25,612	10,539	6,860	10,715
Above Normal Water Years (11%)	6,182	6,936	14,418	50,795	59,355	56,600	30,192	22,840	14,514	9,279	5,648	11,233
Below Normal Water Years (21%)	6,484	7,811	12,328	21,622	33,015	29,062	22,253	17,602	9,029	7,444	4,183	4,199
Dry Water Years (22%)	5,847	6,295	10,770	13,919	22,132	19,677	14,177	11,543	6,775	5,016	3,781	3,586
Critical Water Years (16%)	4,257	5,102	8,946	11,544	14,427	11,790	9,580	6,941	5,154	4,000	2,973	3,000

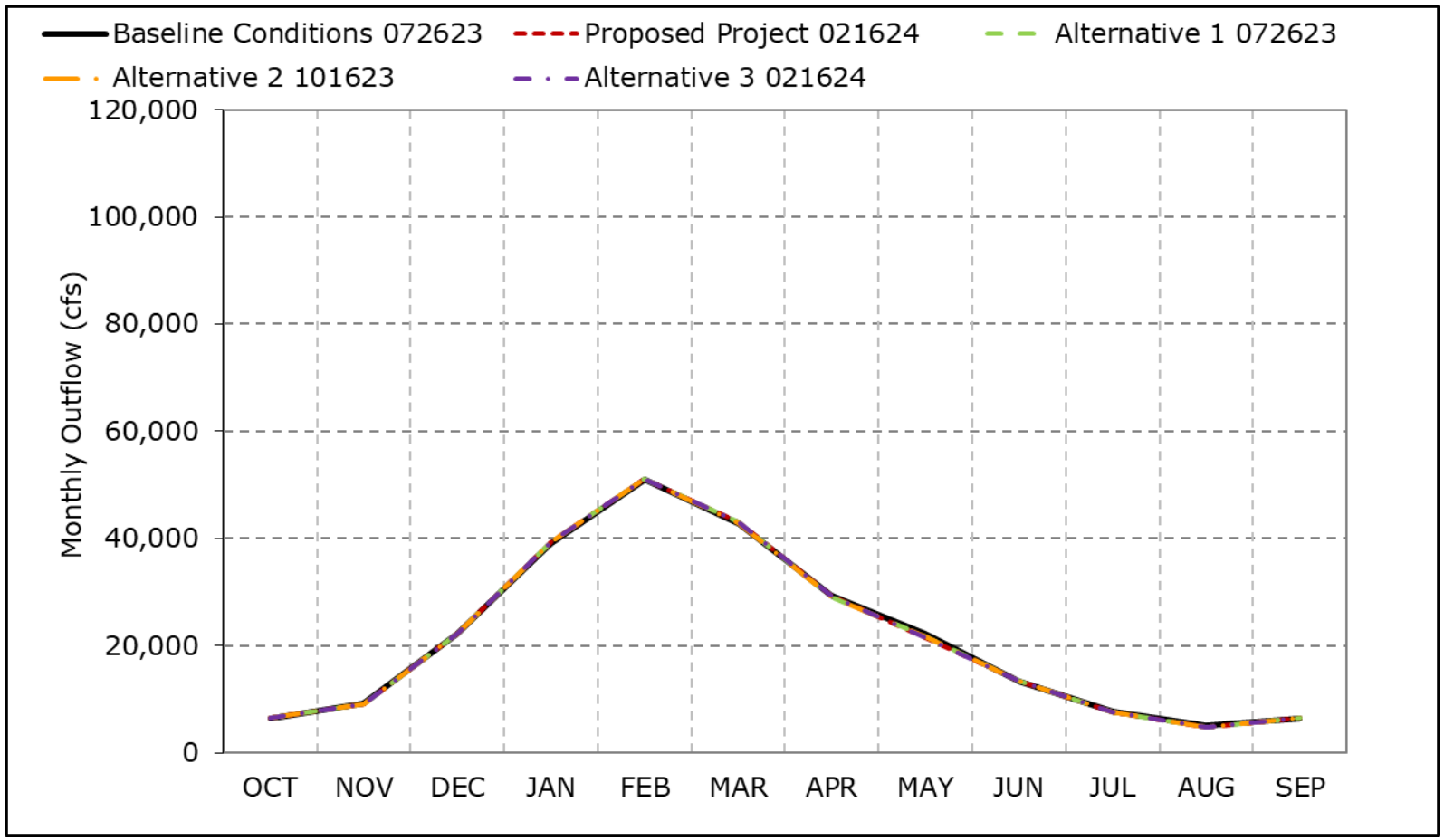
Table 4C-3-10-4c. Delta Outflow, Alternative 3 021624 minus Baseline Conditions 072623, Monthly Outflow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-156	-383	212	437	2,874	487	852	-527	-9	-553	-829	744
20% Exceedance	156	9	25	255	-844	-458	-884	-1,086	534	-536	-434	156
30% Exceedance	0	55	9	549	-182	467	-866	-885	495	0	-402	25
40% Exceedance	94	45	139	10	330	-169	-547	-1,959	690	-239	-418	576
50% Exceedance	-40	-73	-264	373	601	1,035	231	-1,286	483	-326	-514	347
60% Exceedance	68	-69	30	118	61	1,073	420	-1,080	0	0	-33	36
70% Exceedance	0	-55	-4	357	593	378	-334	-606	165	-281	-423	235
80% Exceedance	0	-1	110	-165	1,250	731	293	-52	61	0	0	0
90% Exceedance	0	0	-51	306	530	-34	-103	-110	0	0	0	0
Full Simulation Period Average[a]	41	-7	49	216	246	346	-140	-798	224	-150	-331	107
Wet Water Years (30%)	69	-21	39	195	-63	17	-275	-1,403	300	-80	-381	-137
Above Normal Water Years (11%)	98	116	-174	179	328	495	-387	-932	400	-418	-776	817
Below Normal Water Years (21%)	-3	-119	117	275	25	772	-105	-1,085	384	-199	-258	118
Dry Water Years (22%)	34	24	4	26	616	614	138	-64	42	-172	-348	152
Critical Water Years (16%)	18	42	196	467	551	-65	-144	-203	0	0	-2	0

[a] Based on the 100-year simulation period.

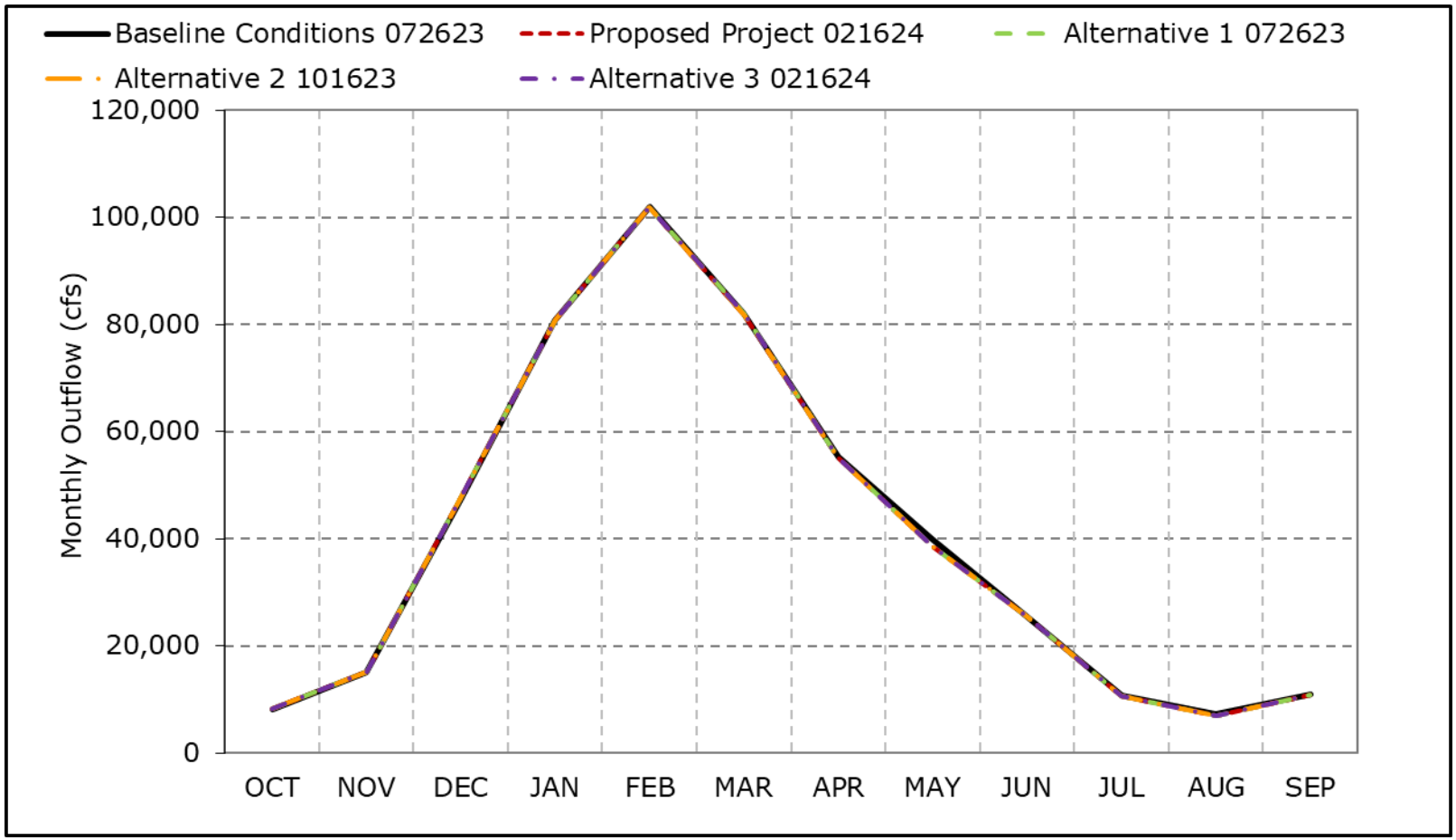
* All scenarios are simulated at current climate condition and 0 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with water year - year type sorting.

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



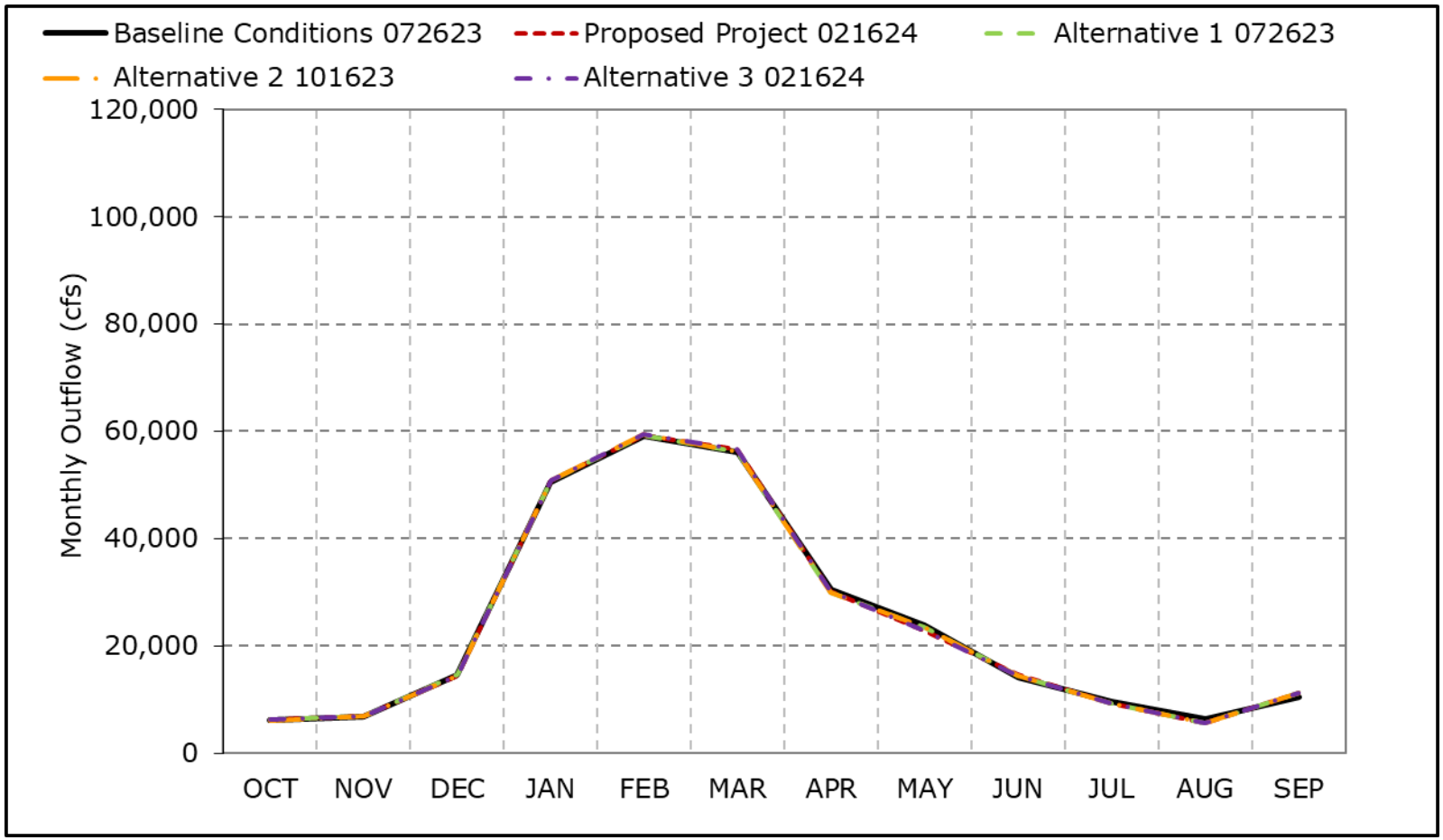
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



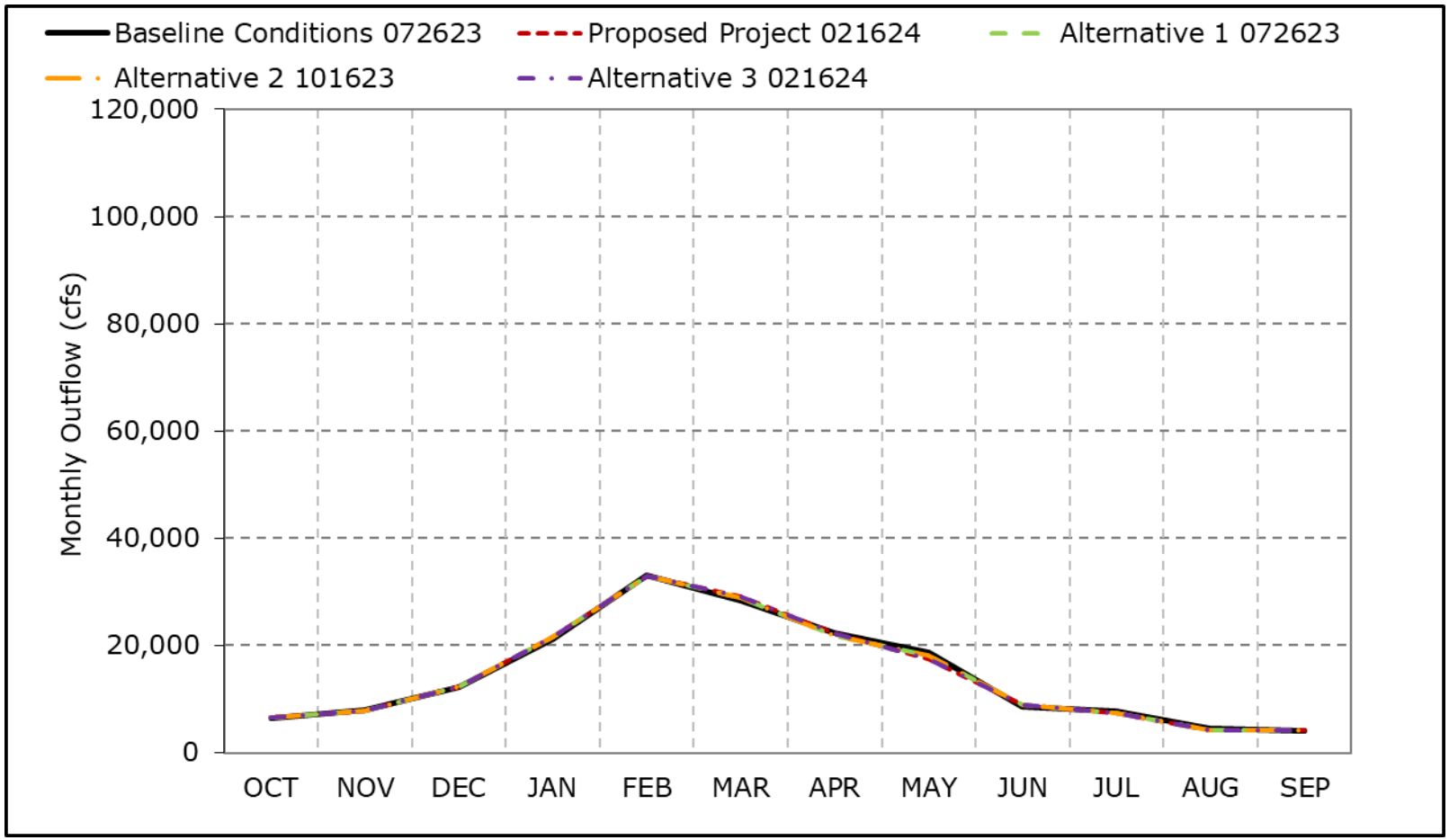
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



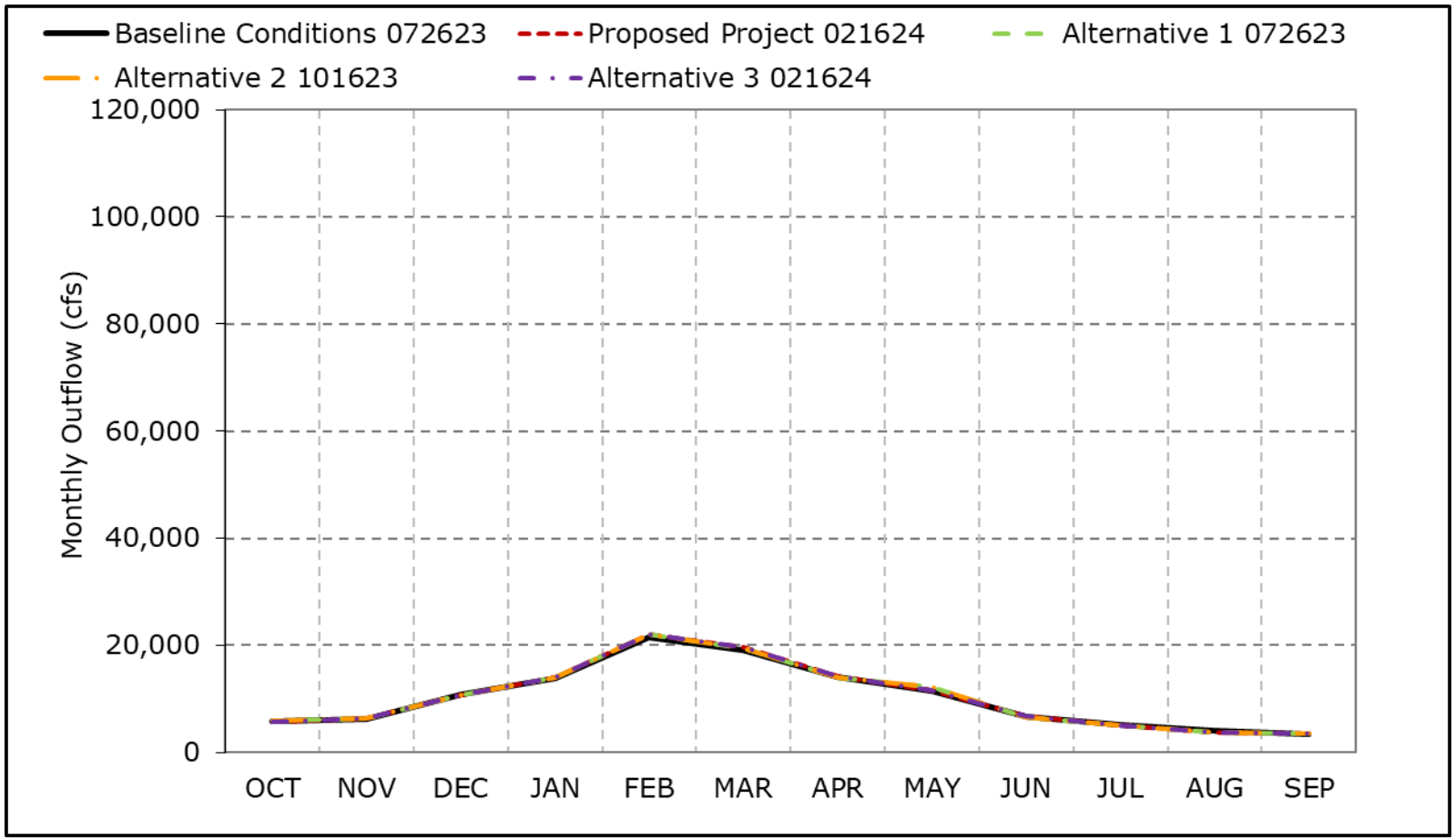
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



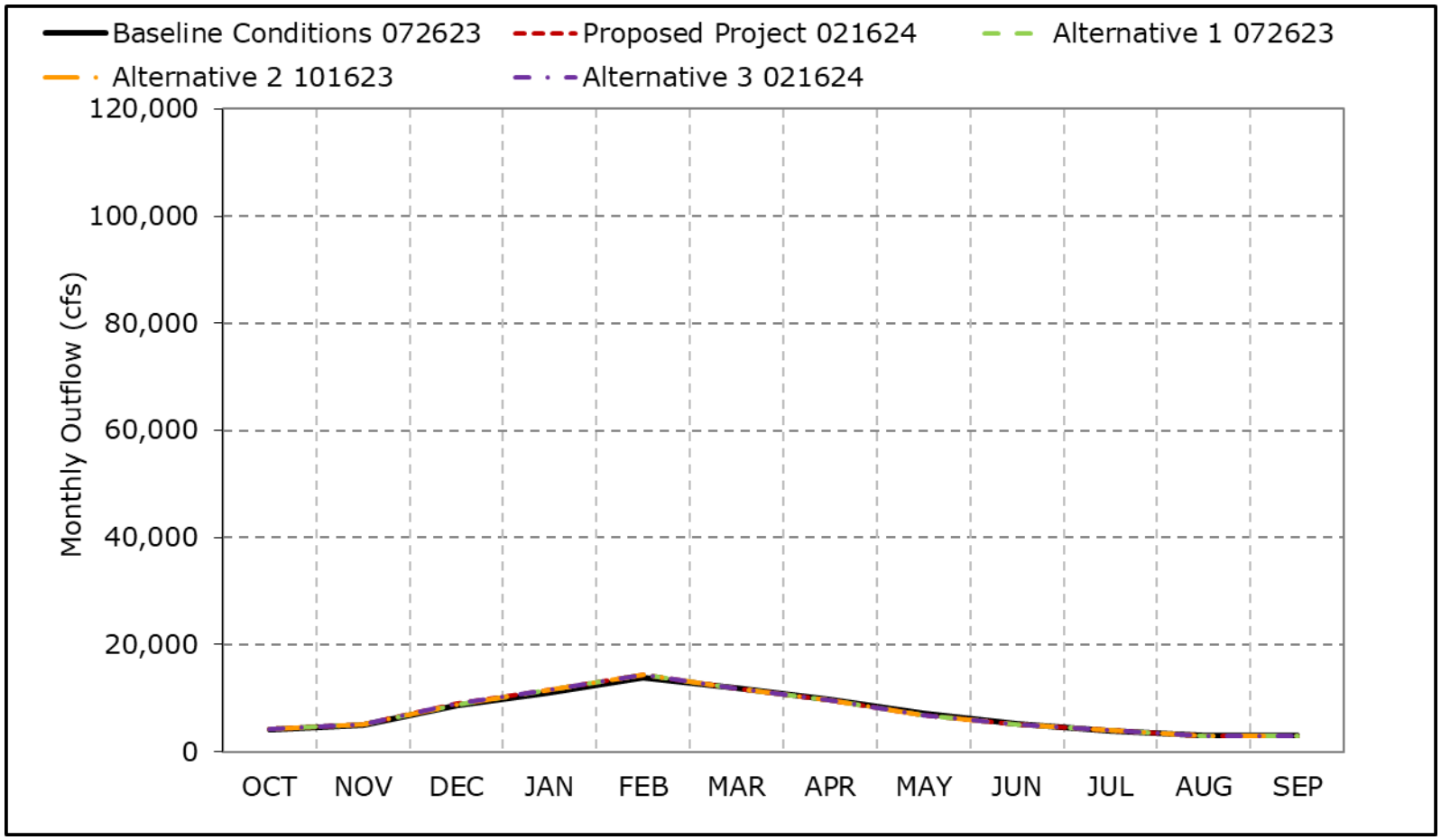
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



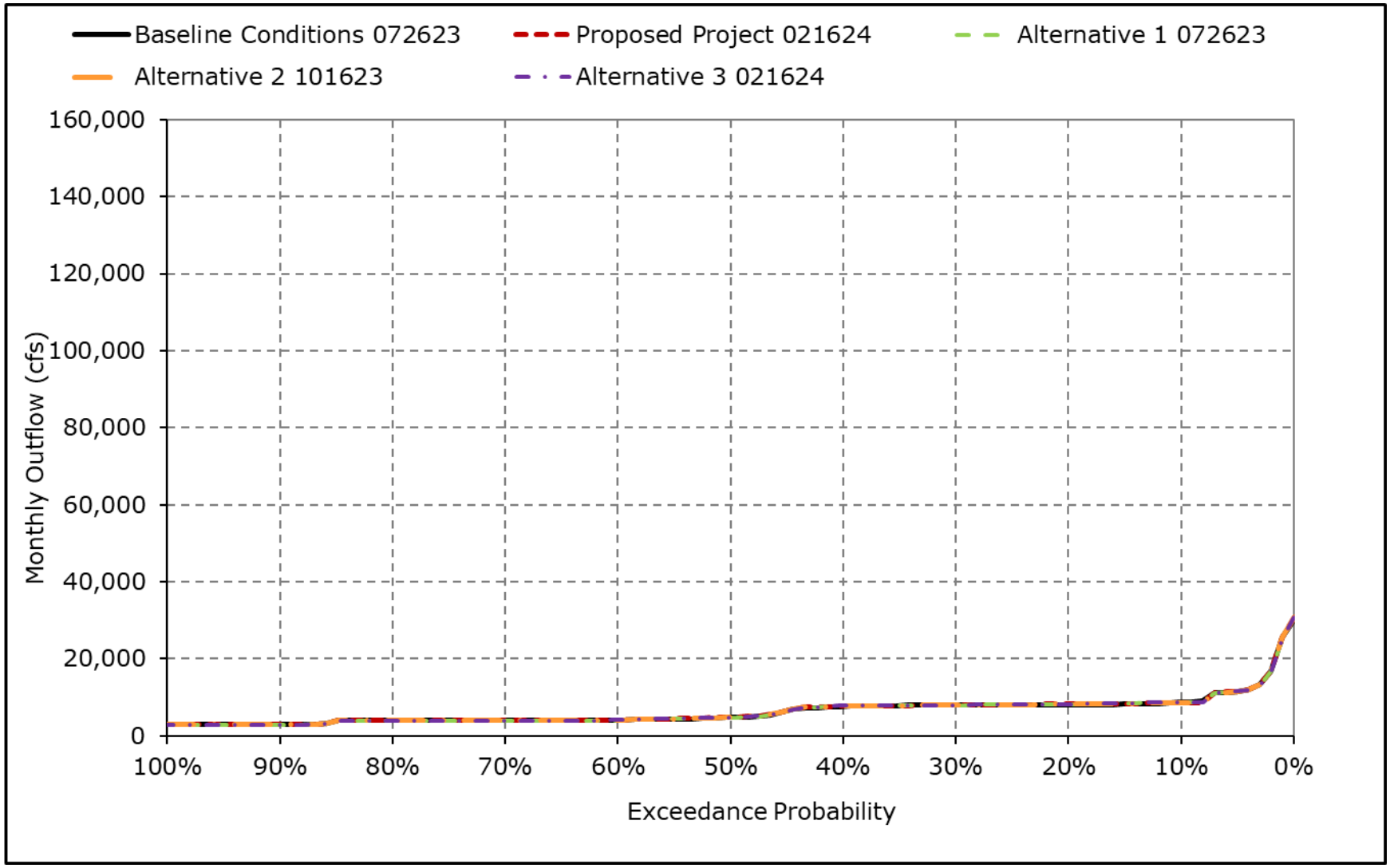
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



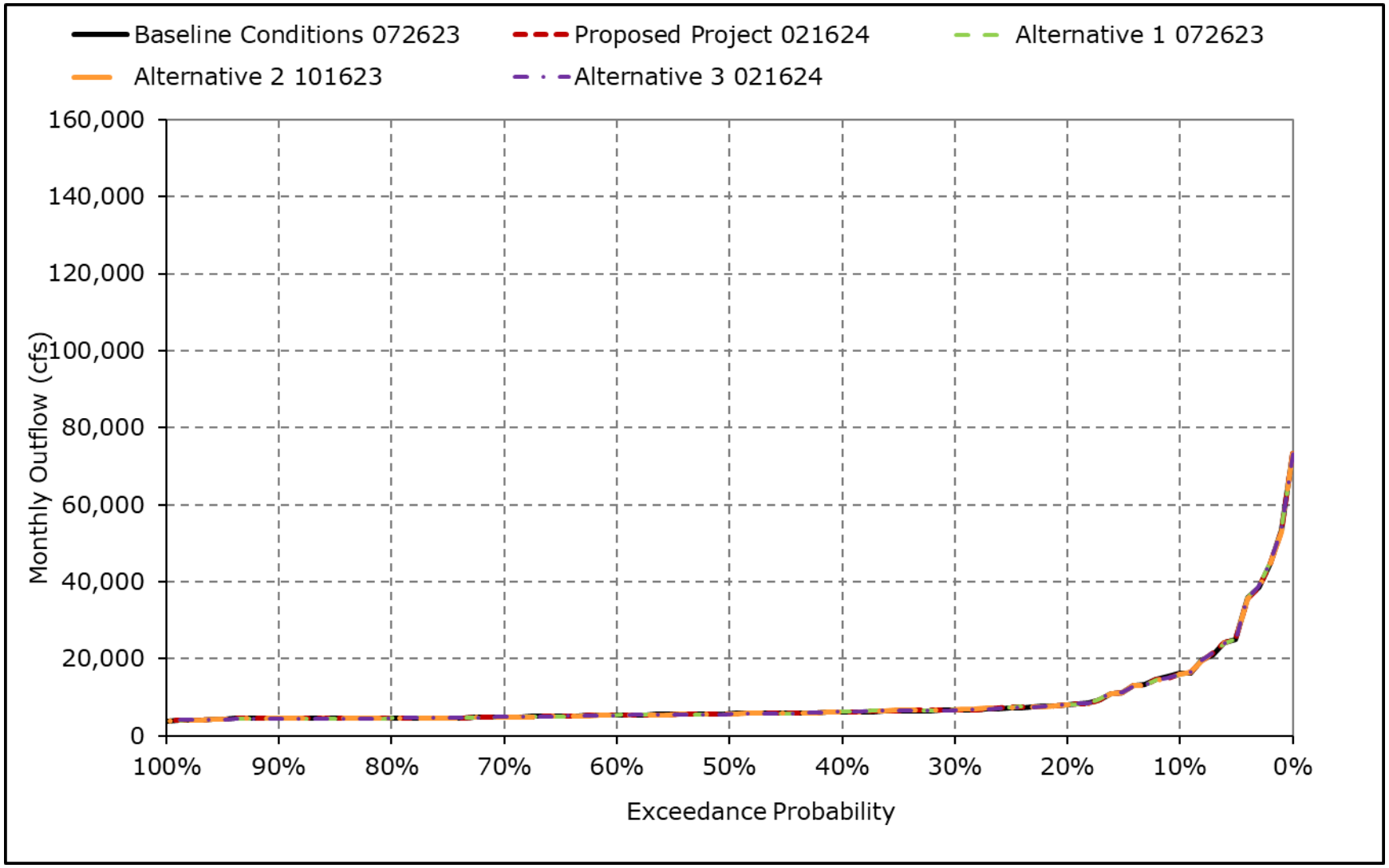
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



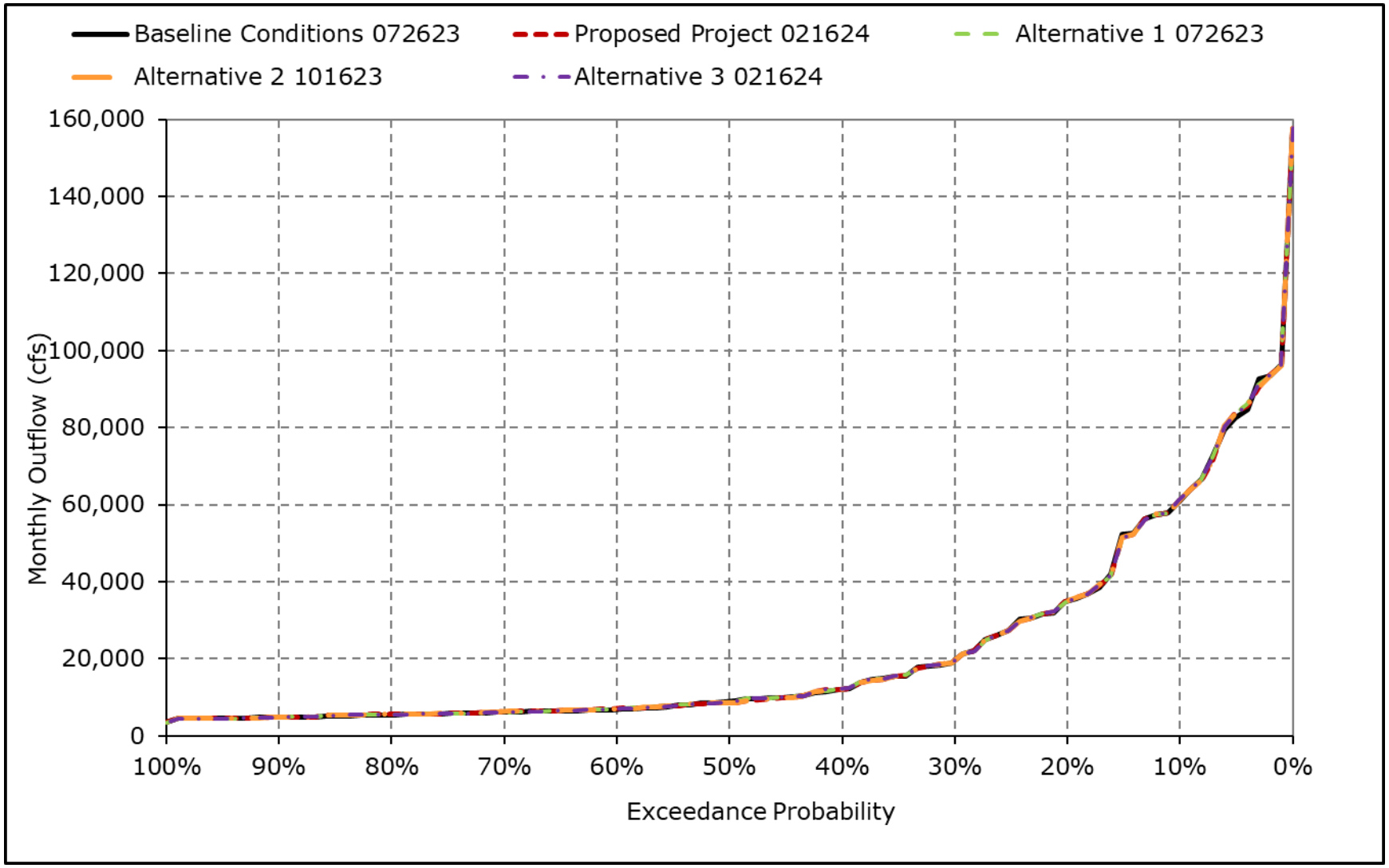
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



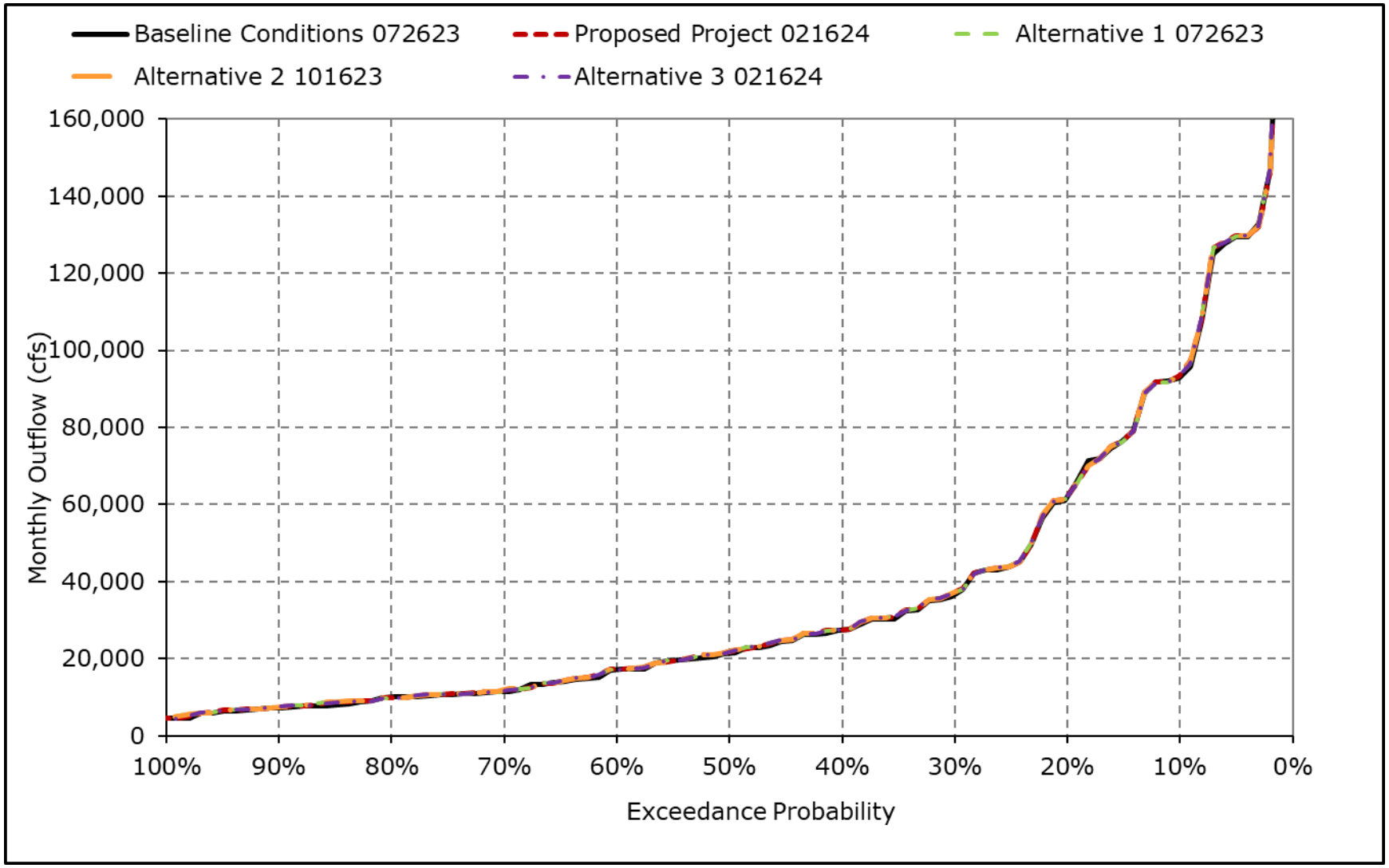
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



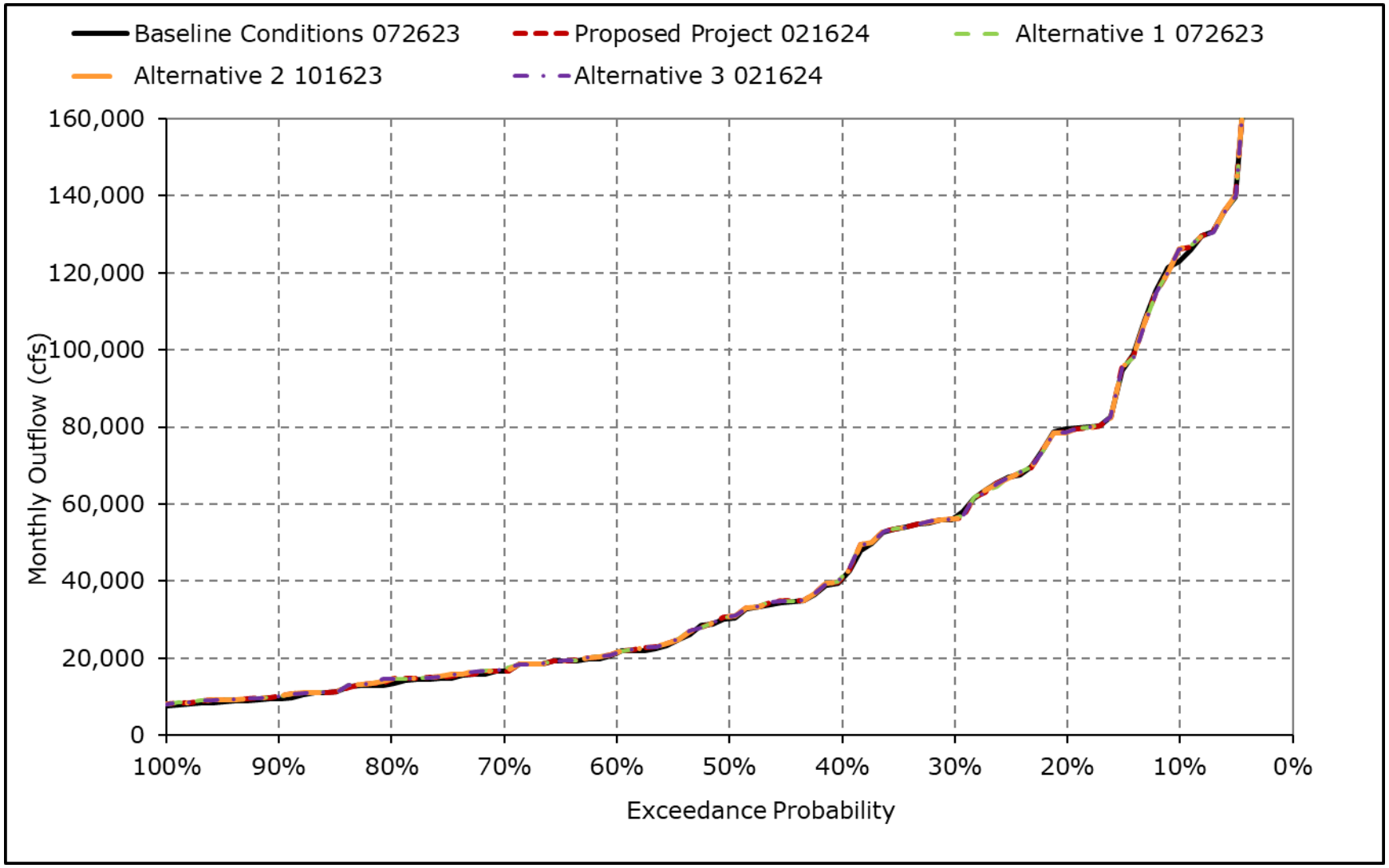
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



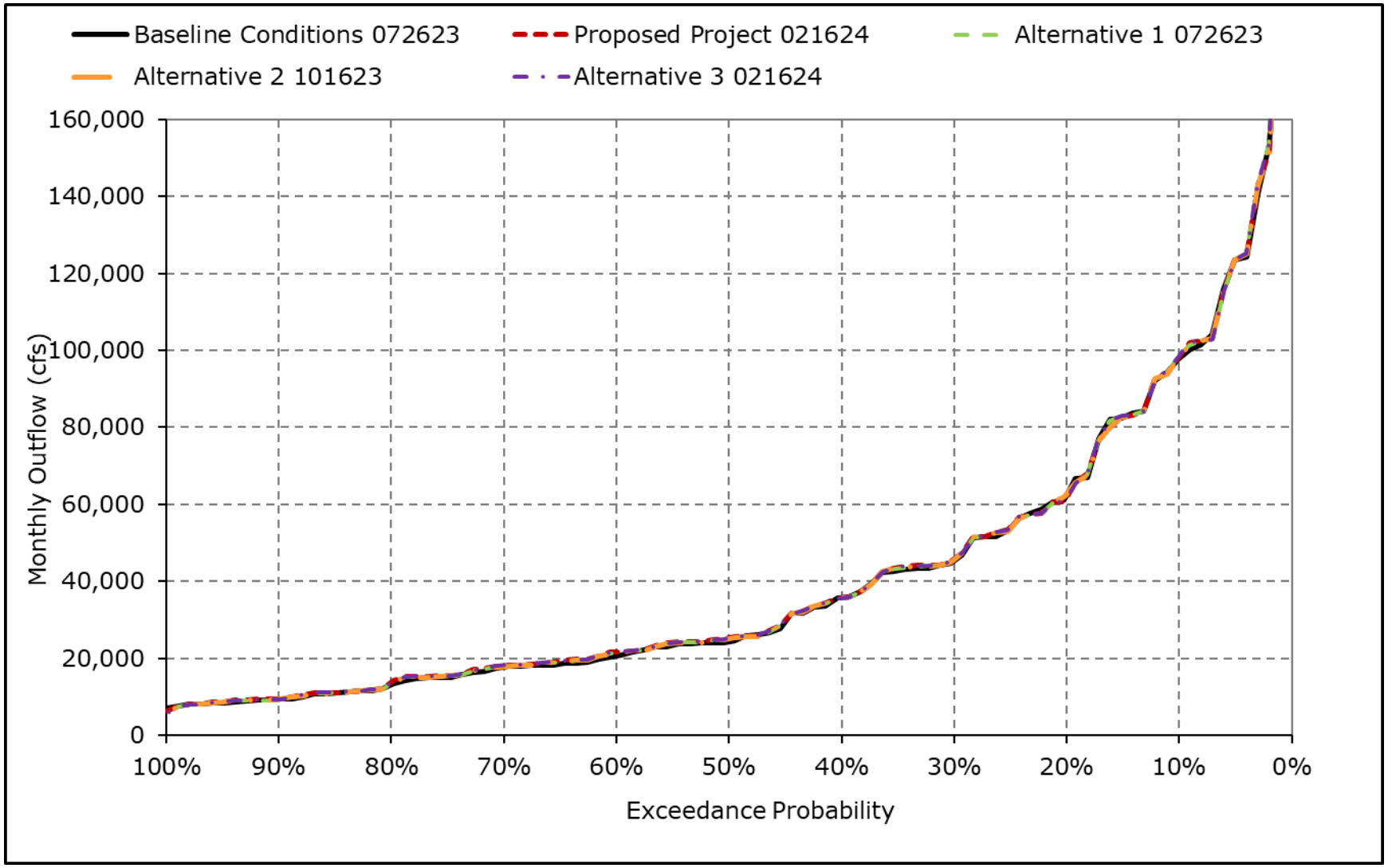
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-3-10k. Delta Outflow, February



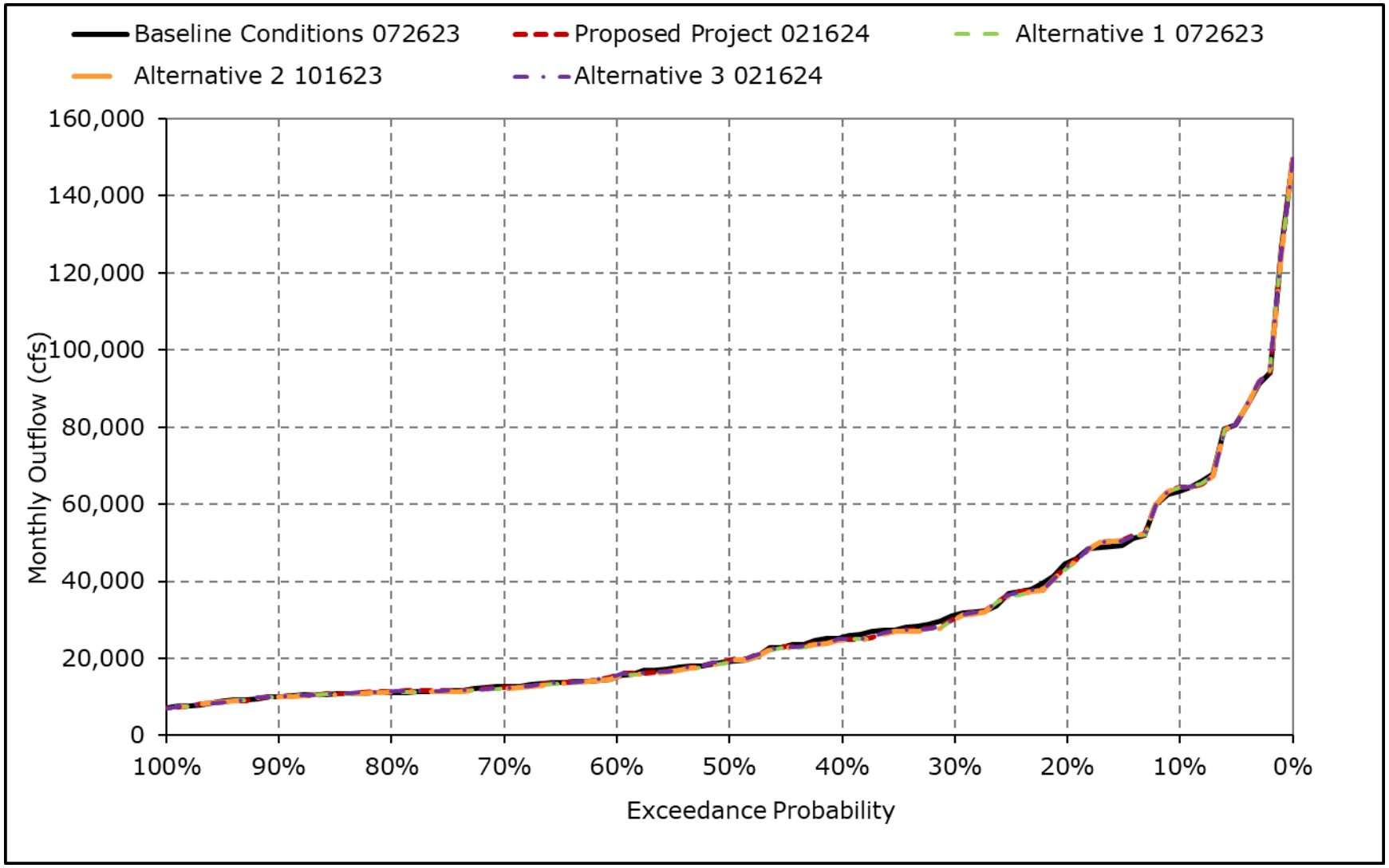
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-3-10l. Delta Outflow, March



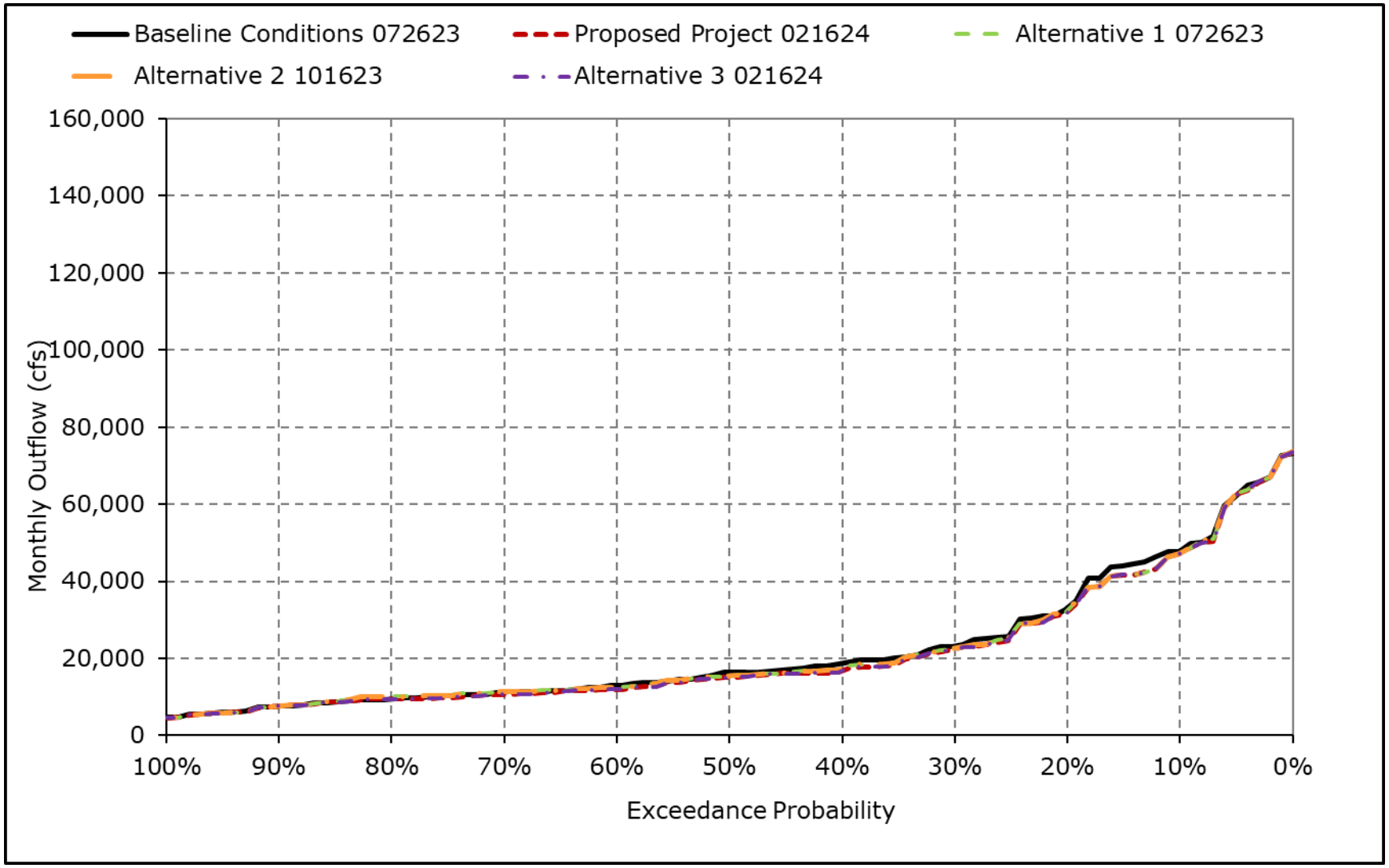
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-3-10m. Delta Outflow, April



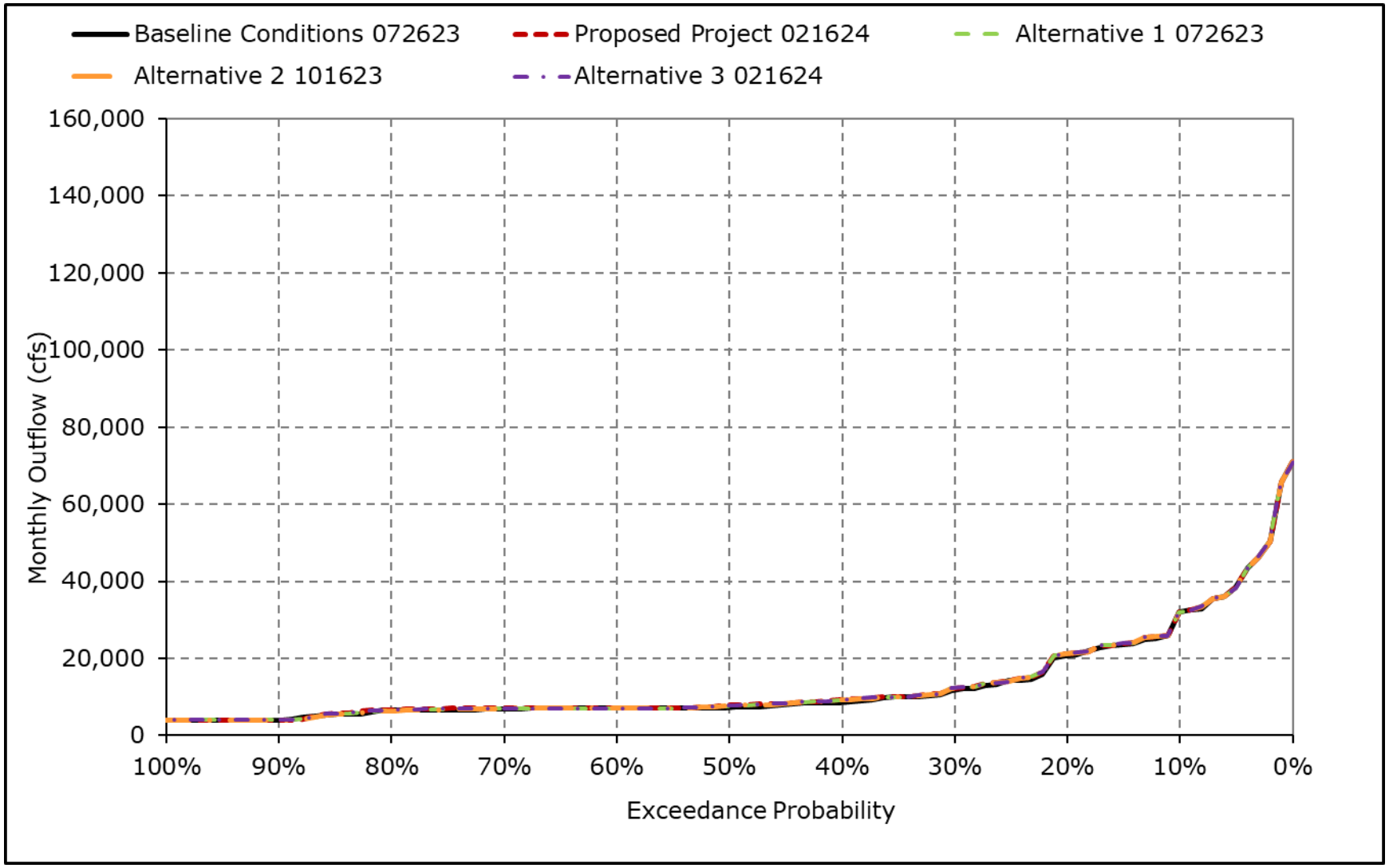
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-3-10n. Delta Outflow, May



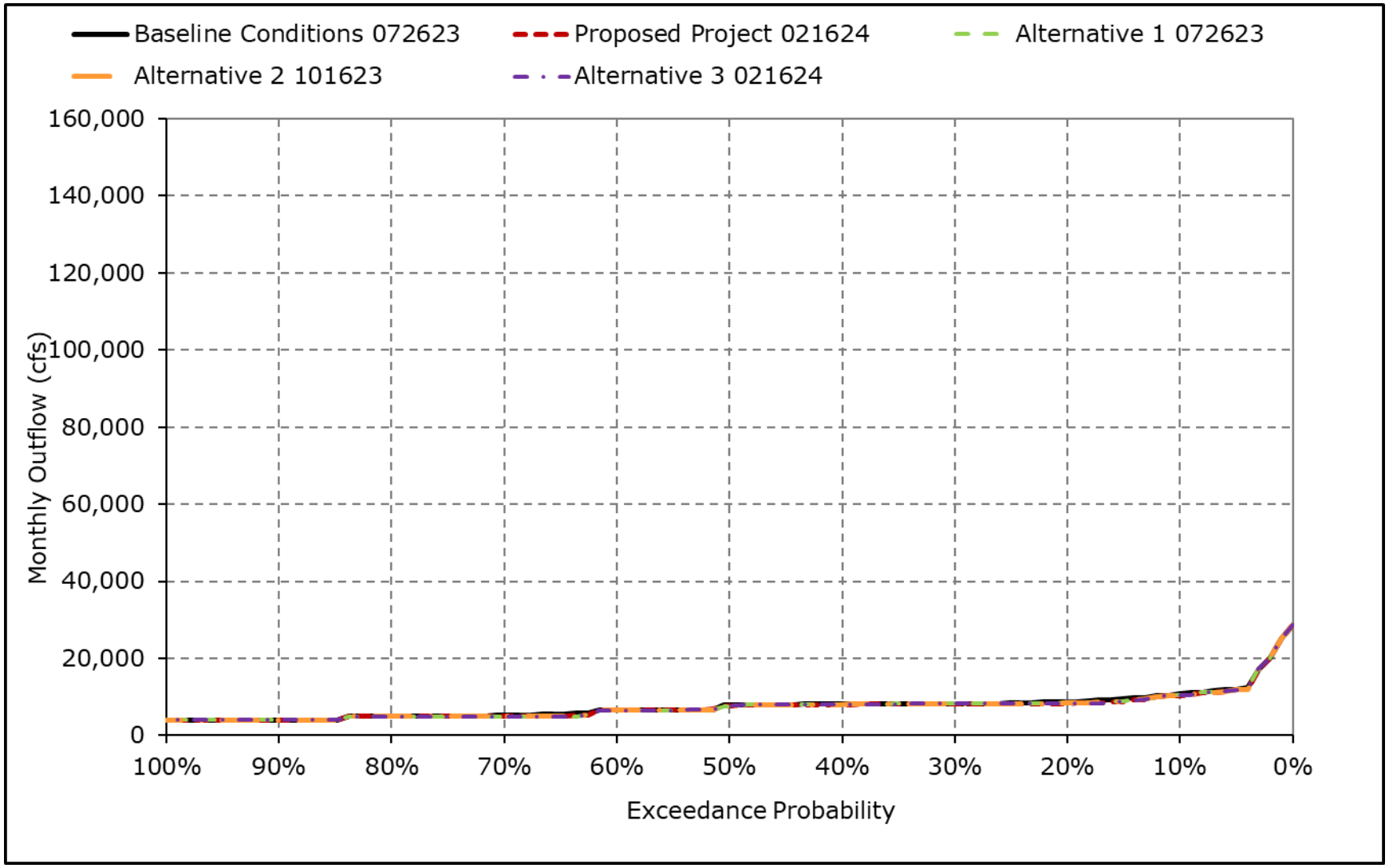
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-3-10o. Delta Outflow, June



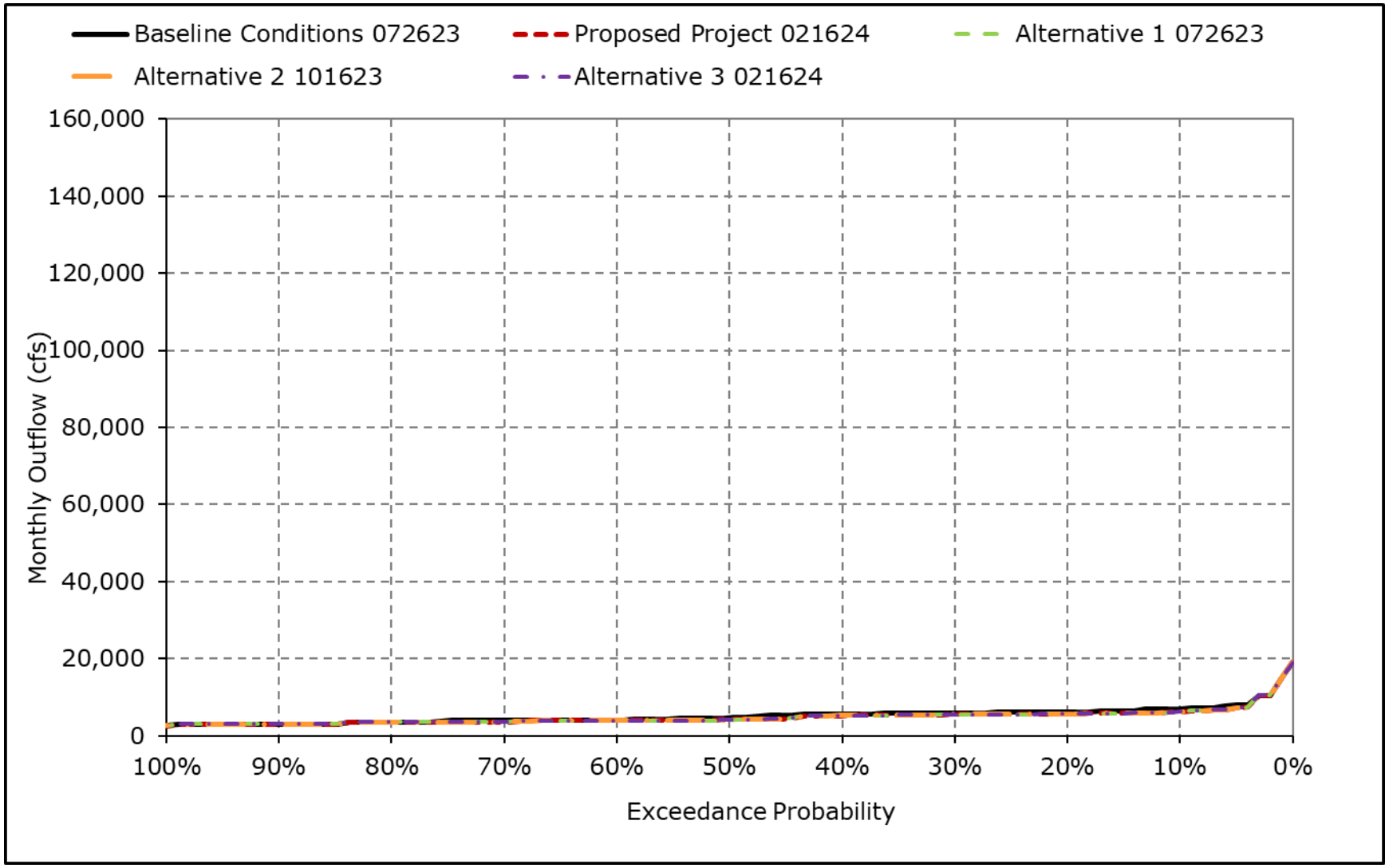
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-3-10p. Delta Outflow, July



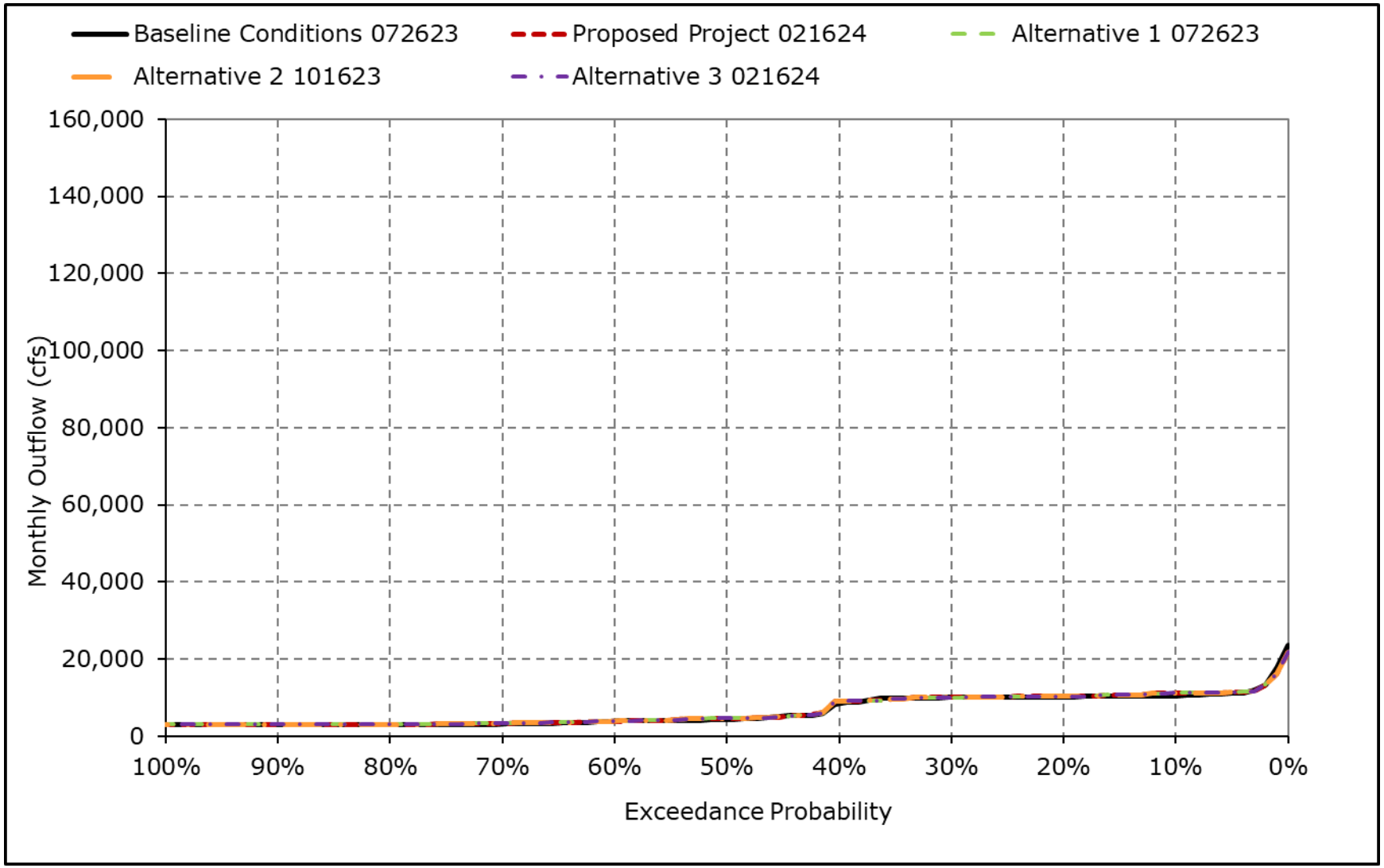
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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.