

Attachment 3: Flow Results (CalSim 3)

Appendix 4K

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 (082624)
- Proposed Project (082624)
- ITP Spring Outflow (082924)
- March VA Fallowing Flows (082924)

Title	Model Parameter	Table Numbers	Figure Numbers
Sacramento River Flow at Freeport	C_SAC048	4K-3-1-1a to 4K-3-1-1c	4K-3-1a to 4K-3-1r
Georgiana Slough Flow	C_SAC029B	4K-3-2-1a to 4K-3-2-1c	4K-3-2a to 4K-3-2r
Yolo Bypass Flow	C_YBP020	4K-3-3-1a to 4K-3-3-1c	4K-3-3a to 4K-3-3r
Sacramento River Flow at Rio Vista	C_SAC007	4K-3-4-1a to 4K-3-4-1c	4K-3-4a to 4K-3-4r
San Joaquin River at Vernalis	C_SJR070	4K-3-5-1a to 4K-3-5-1c	4K-3-5a to 4K-3-5r
San Joaquin River at Vernalis (60-20-20)	C_SJR070	4K-3-6-1a to 4K-3-6-1c	4K-3-6a to 4K-3-6f
Mokelumne River below Cosumnes	C_MOK019	4K-3-7-1a to 4K-3-7-1c	4K-3-7a to 4K-3-7r
Old and Middle River Flow	C_OMR014	4K-3-8-1a to 4K-3-8-1c	4K-3-8a to 4K-3-8r
Qwest	C_SJR013	4K-3-9-1a to 4K-3-9-1c	4K-3-9a to 4K-3-9r
Delta Outflow	NDOI	4K-3-10-1a to 4K-3-10-1c	4K-3-10a to 4K-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 4K-3-1-1a. Sacramento River Flow at Freeport, Baseline Conditions 082624, Monthly Flow (cfs)

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

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

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

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

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

^a Based on the 100-year simulation period.

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

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

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

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

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

Table 4K-3-1-2b. Sacramento River Flow at Freeport, ITP Spring Outflow 082924, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	15,496	19,767	47,297	66,120	69,504	69,116	56,951	46,004	29,554	23,153	18,790	21,898
20% Exceedance	14,623	14,595	32,588	53,457	62,450	56,764	37,150	34,874	22,691	22,032	18,308	20,646
30% Exceedance	13,344	13,691	22,747	35,684	49,615	45,696	25,078	22,586	16,714	20,654	17,977	18,949
40% Exceedance	12,814	13,233	17,053	28,006	37,935	35,625	19,379	16,605	13,668	19,450	17,262	17,144
50% Exceedance	10,430	12,529	15,351	22,253	27,547	26,372	16,915	13,689	13,059	18,684	16,470	13,223
60% Exceedance	9,346	11,167	13,852	17,523	23,982	22,679	12,235	12,579	12,684	17,527	13,794	10,864
70% Exceedance	8,384	9,914	11,026	14,112	18,967	19,955	11,188	11,227	12,123	16,300	10,393	9,916
80% Exceedance	8,041	8,514	10,204	12,355	15,978	14,571	10,466	10,552	10,993	13,029	9,143	9,111
90% Exceedance	6,228	7,635	8,954	10,483	13,374	11,594	9,251	7,759	9,698	10,041	7,896	8,219
Full Simulation Period Average ^a	11,280	13,020	21,603	30,624	36,935	34,485	23,768	20,860	17,422	17,814	14,341	14,656
Wet Water Years (32%)	13,160	16,221	34,100	52,297	60,655	56,139	43,105	36,027	27,005	20,072	17,771	20,738
Above Normal Water Years (9%)	10,978	12,743	20,831	41,091	43,207	43,814	24,723	23,717	18,951	21,214	18,198	19,985
Below Normal Water Years (20%)	11,342	12,309	16,106	22,767	30,260	29,325	17,227	16,476	13,277	20,805	16,872	13,309
Dry Water Years (21%)	10,865	12,468	16,400	15,728	22,712	20,616	12,253	11,611	12,876	16,608	10,834	10,091
Critical Water Years (18%)	8,504	8,903	11,949	12,972	15,643	13,239	9,614	8,130	9,528	10,184	7,594	8,001

Table 4K-3-1-2c. Sacramento River Flow at Freeport, ITP Spring Outflow 082924 minus Baseline Conditions 082624, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-94	171	-277	4	-44	-11	-80	24	-1	-228	198	1,450
20% Exceedance	-8	0	-60	20	-27	-1	4	-5	6	-183	59	1,486
30% Exceedance	-124	-134	7	-7	-141	-527	189	0	-366	-160	336	1,557
40% Exceedance	-33	1	75	93	-70	55	-14	-317	-497	-48	55	1,036
50% Exceedance	-260	-10	16	8	-597	157	2	-82	-509	-83	211	3
60% Exceedance	-28	55	-192	-243	-275	-4	-85	8	-559	-226	245	39
70% Exceedance	-12	-110	-25	-110	456	-1	-22	-60	-250	38	-478	-36
80% Exceedance	-3	-31	0	228	-2	-328	43	-40	-522	-128	107	53
90% Exceedance	41	406	81	-91	8	0	-12	-9	12	63	-39	-5
Full Simulation Period Average ^a	-28	-3	6	-14	-76	-41	-5	-56	-225	-96	60	599
Wet Water Years (32%)	-85	20	33	12	-78	-35	-9	-3	-69	-23	87	1,225
Above Normal Water Years (9%)	-27	-192	-7	-25	-43	-222	-24	-4	-269	-103	-99	2,291
Below Normal Water Years (20%)	-118	-22	34	-70	-64	57	10	-262	-384	-409	507	-3
Dry Water Years (21%)	86	37	-109	3	-181	-54	6	-27	-508	25	-222	15
Critical Water Years (18%)	40	22	68	-14	22	-55	-19	17	24	-17	-79	-12

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

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

Table 4K-3-1-3b. Sacramento River Flow at Freeport, March VA Following Flows 082924, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	15,620	19,757	47,382	66,118	69,532	69,116	57,000	45,992	29,554	23,128	18,661	21,465
20% Exceedance	14,653	14,595	32,628	53,443	62,510	56,764	37,160	34,873	22,690	22,073	18,286	20,177
30% Exceedance	13,461	13,704	22,792	35,689	49,597	46,274	25,081	22,587	16,704	20,752	17,749	18,137
40% Exceedance	12,759	13,199	17,262	27,984	37,976	36,206	19,387	16,605	14,013	19,340	17,220	16,578
50% Exceedance	10,656	12,519	15,313	22,046	27,556	26,974	16,912	13,703	13,224	18,767	16,460	13,078
60% Exceedance	9,250	11,122	14,038	17,658	23,980	23,020	12,235	12,599	12,816	17,668	13,777	10,842
70% Exceedance	8,384	9,912	11,026	14,306	18,654	20,353	11,189	11,266	12,397	16,279	10,347	9,921
80% Exceedance	8,041	8,554	10,204	12,355	15,974	15,123	10,487	10,556	11,587	13,016	9,140	9,114
90% Exceedance	6,228	7,632	8,954	10,484	13,375	11,896	9,250	7,759	9,697	10,013	7,896	8,219
Full Simulation Period Average ^a	11,284	13,001	21,598	30,619	36,943	34,904	23,791	20,869	17,570	17,810	14,342	14,372
Wet Water Years (32%)	13,159	16,156	34,105	52,274	60,704	56,171	43,113	36,029	27,085	20,057	17,742	20,319
Above Normal Water Years (9%)	10,935	12,845	20,821	41,092	43,199	44,699	24,714	23,716	19,223	21,237	18,167	19,401
Below Normal Water Years (20%)	11,344	12,302	16,165	22,755	30,214	30,118	17,227	16,486	13,566	20,745	16,795	12,831
Dry Water Years (21%)	10,918	12,458	16,375	15,753	22,719	21,427	12,365	11,646	13,021	16,668	10,940	10,093
Critical Water Years (18%)	8,486	8,883	11,881	12,969	15,644	13,239	9,605	8,126	9,586	10,175	7,630	7,988

Table 4K-3-1-3c. Sacramento River Flow at Freeport, March VA Following Flows 082924 minus Baseline Conditions 082624, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	30	161	-193	2	-16	-12	-31	12	-1	-253	69	1,017
20% Exceedance	22	0	-20	5	33	-2	13	-6	5	-142	37	1,017
30% Exceedance	-8	-122	52	-2	-159	51	191	0	-376	-62	108	745
40% Exceedance	-87	-32	284	71	-29	635	-6	-317	-152	-159	13	470
50% Exceedance	-34	-20	-21	-199	-588	759	-1	-68	-345	0	200	-142
60% Exceedance	-123	10	-6	-108	-278	337	-85	27	-427	-85	227	16
70% Exceedance	-12	-112	-25	84	143	397	-22	-20	24	17	-524	-31
80% Exceedance	-3	9	0	228	-7	224	64	-37	72	-141	104	56
90% Exceedance	41	403	81	-91	8	301	-13	-9	11	35	-39	-6
Full Simulation Period Average ^a	-24	-22	1	-19	-68	378	18	-47	-77	-100	61	314
Wet Water Years (32%)	-86	-45	38	-10	-28	-4	-1	-1	11	-38	59	806
Above Normal Water Years (9%)	-70	-89	-18	-24	-50	663	-33	-5	3	-80	-131	1,708
Below Normal Water Years (20%)	-116	-29	93	-82	-110	850	10	-252	-95	-469	431	-481
Dry Water Years (21%)	139	27	-135	28	-174	757	118	8	-363	85	-116	16
Critical Water Years (18%)	22	3	0	-17	23	-54	-28	13	82	-26	-43	-26

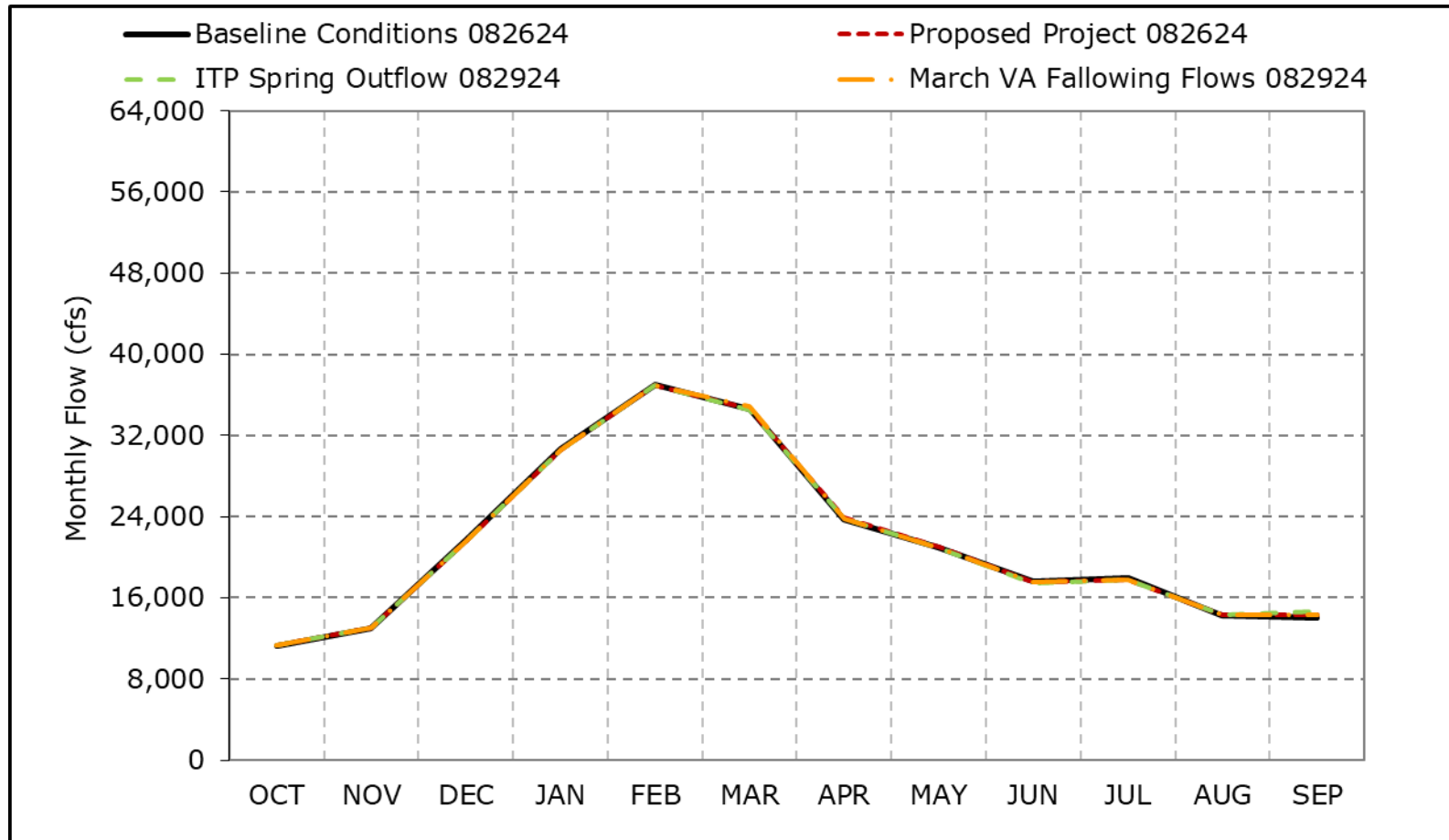
^a Based on the 100-year simulation period.

* 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 4K-3-1a. Sacramento River Flow at Freeport, Long-Term Average Flow

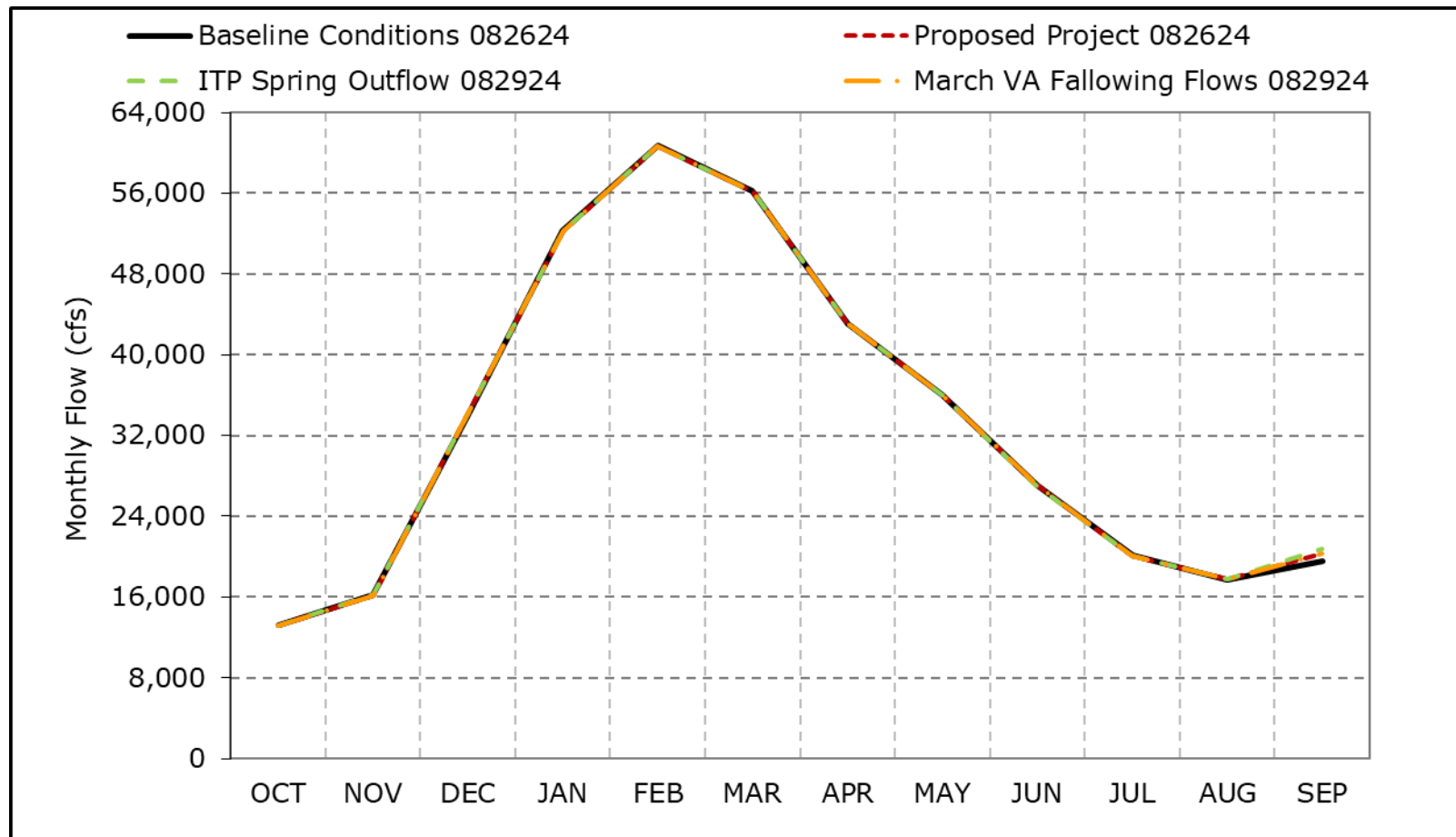


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*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 4K-3-1b. Sacramento River Flow at Freeport, Wet Year Average Flow

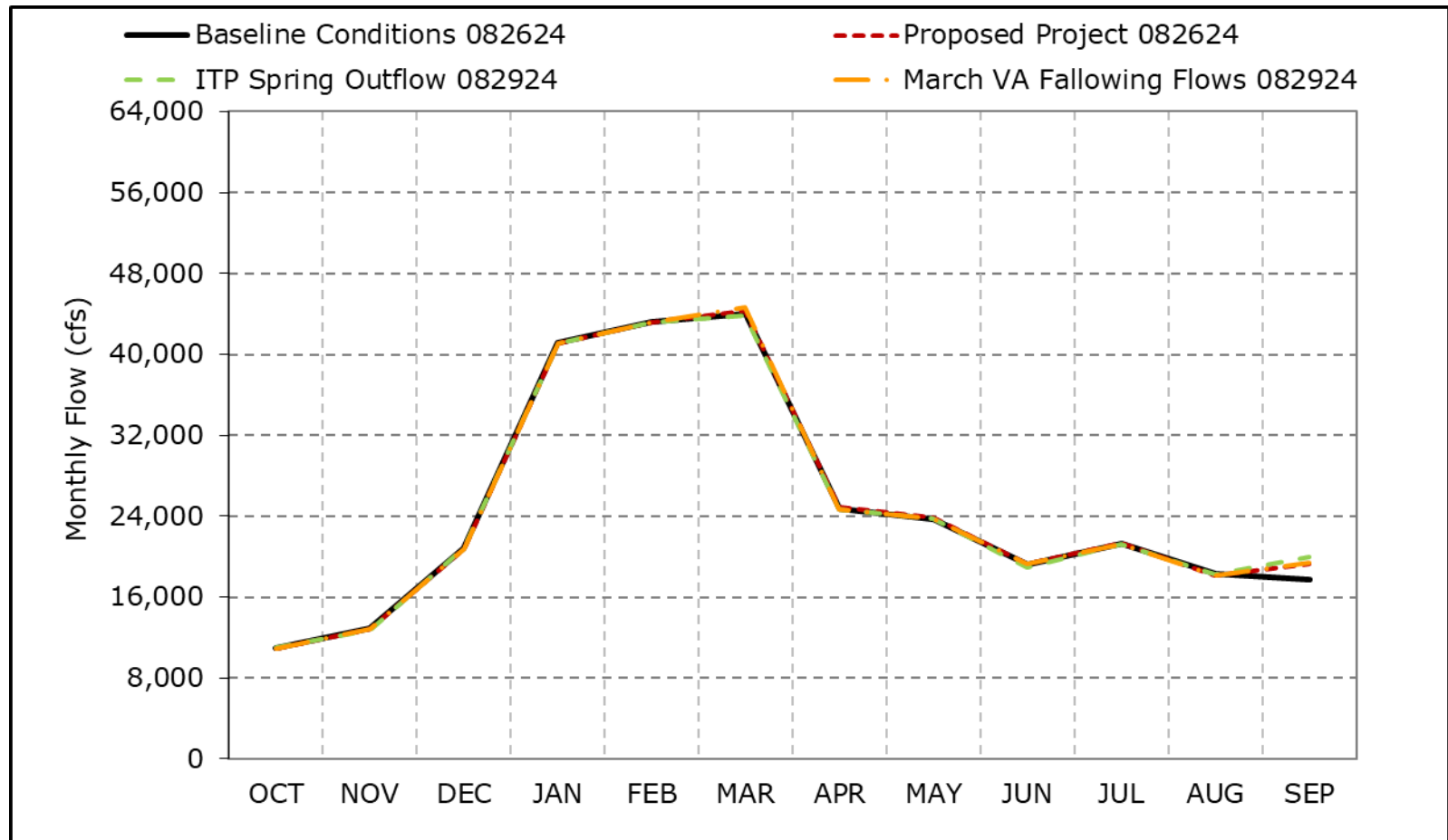


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

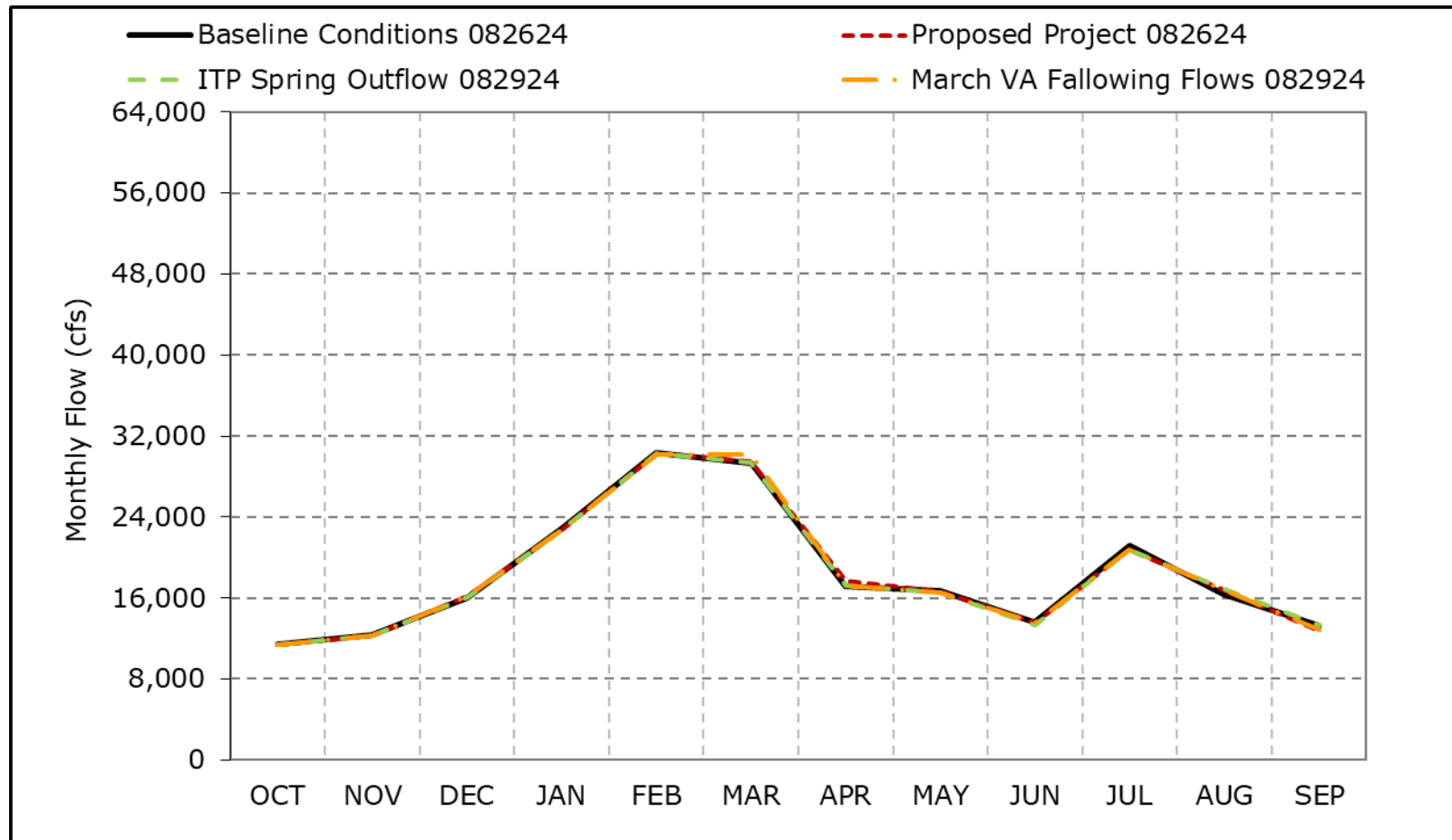


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

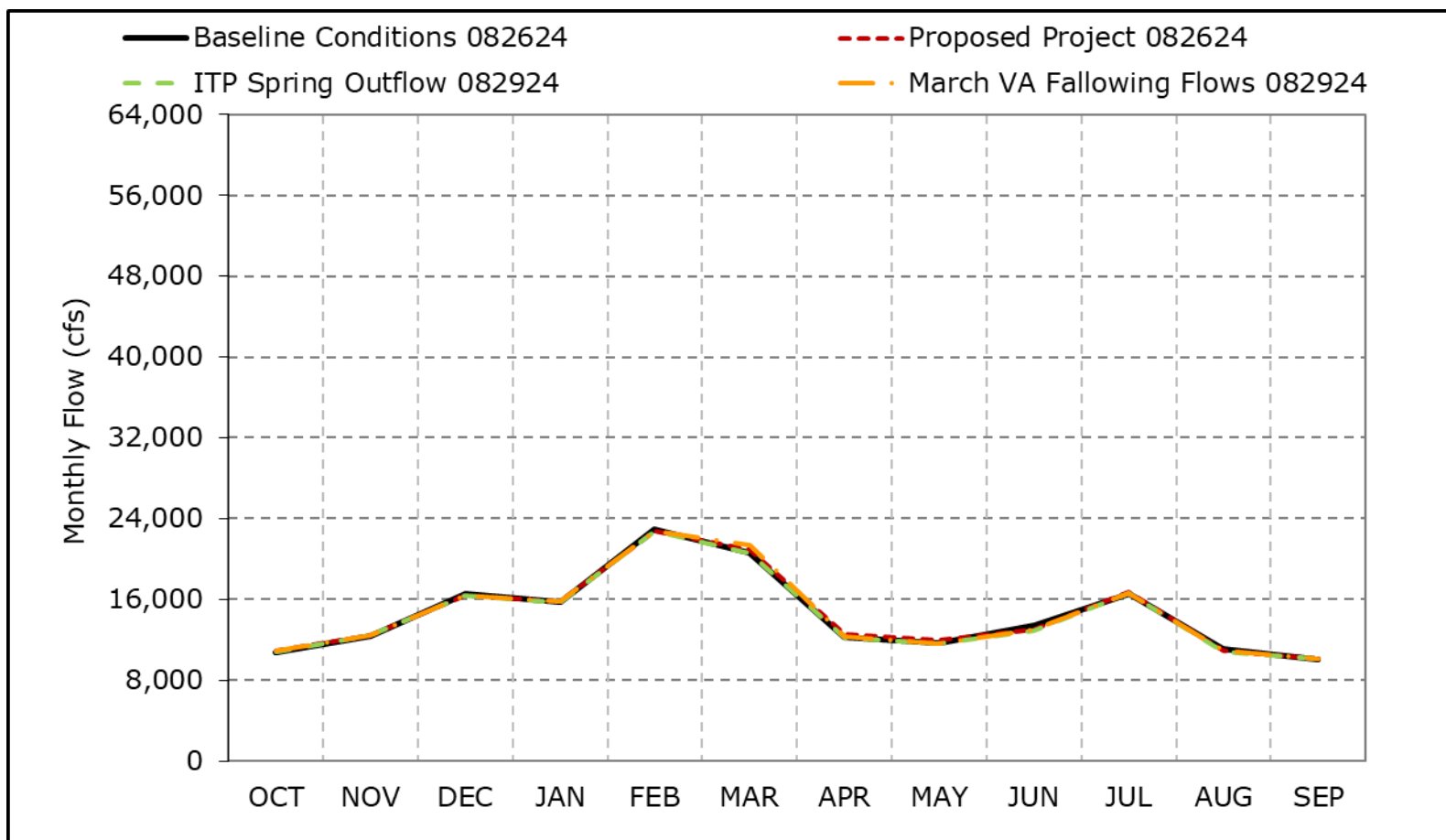


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*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 4K-3-1e. Sacramento River Flow at Freeport, Dry Year Average Flow

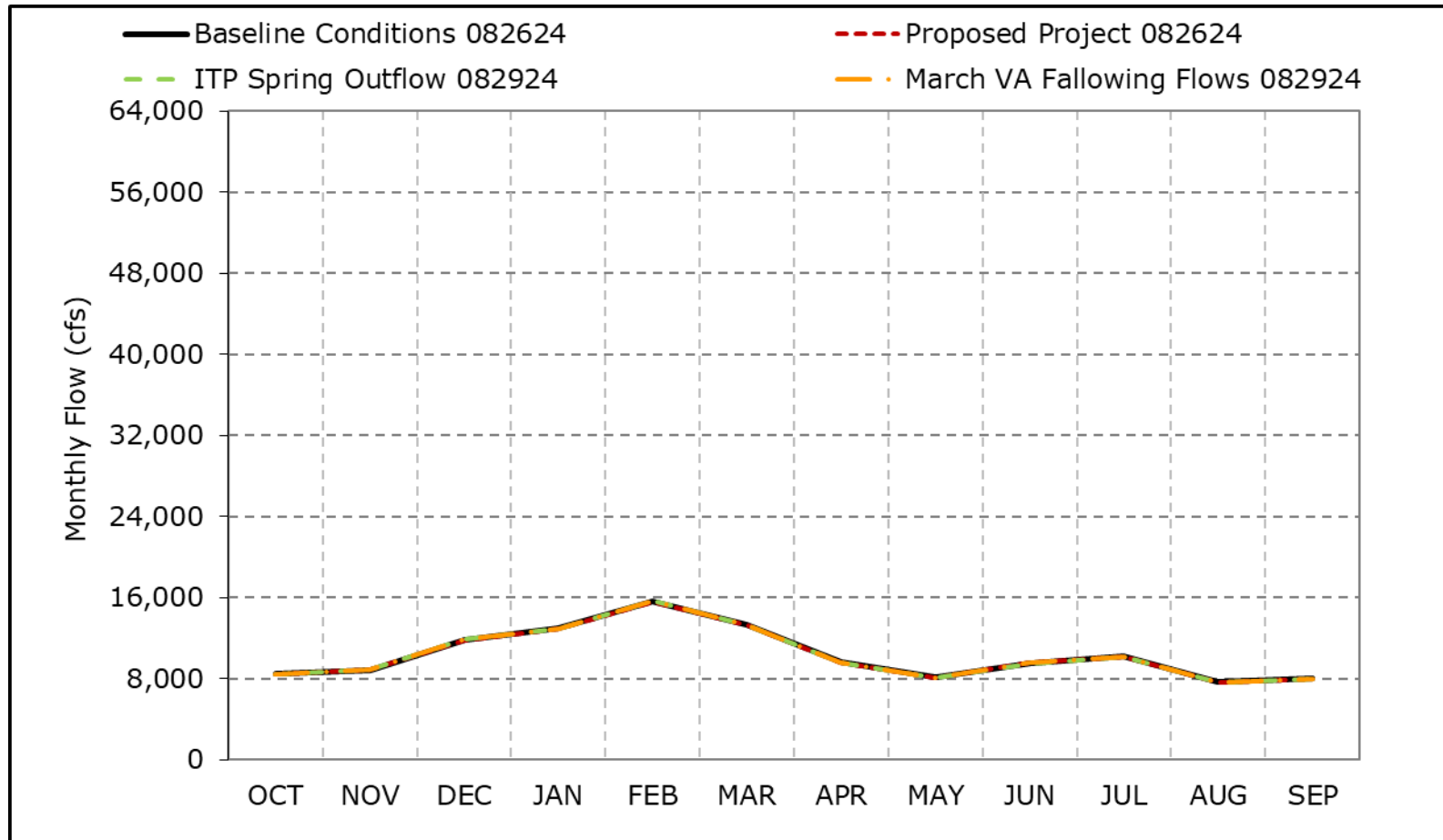


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*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 4K-3-1f. Sacramento River Flow at Freeport, Critical Year Average Flow

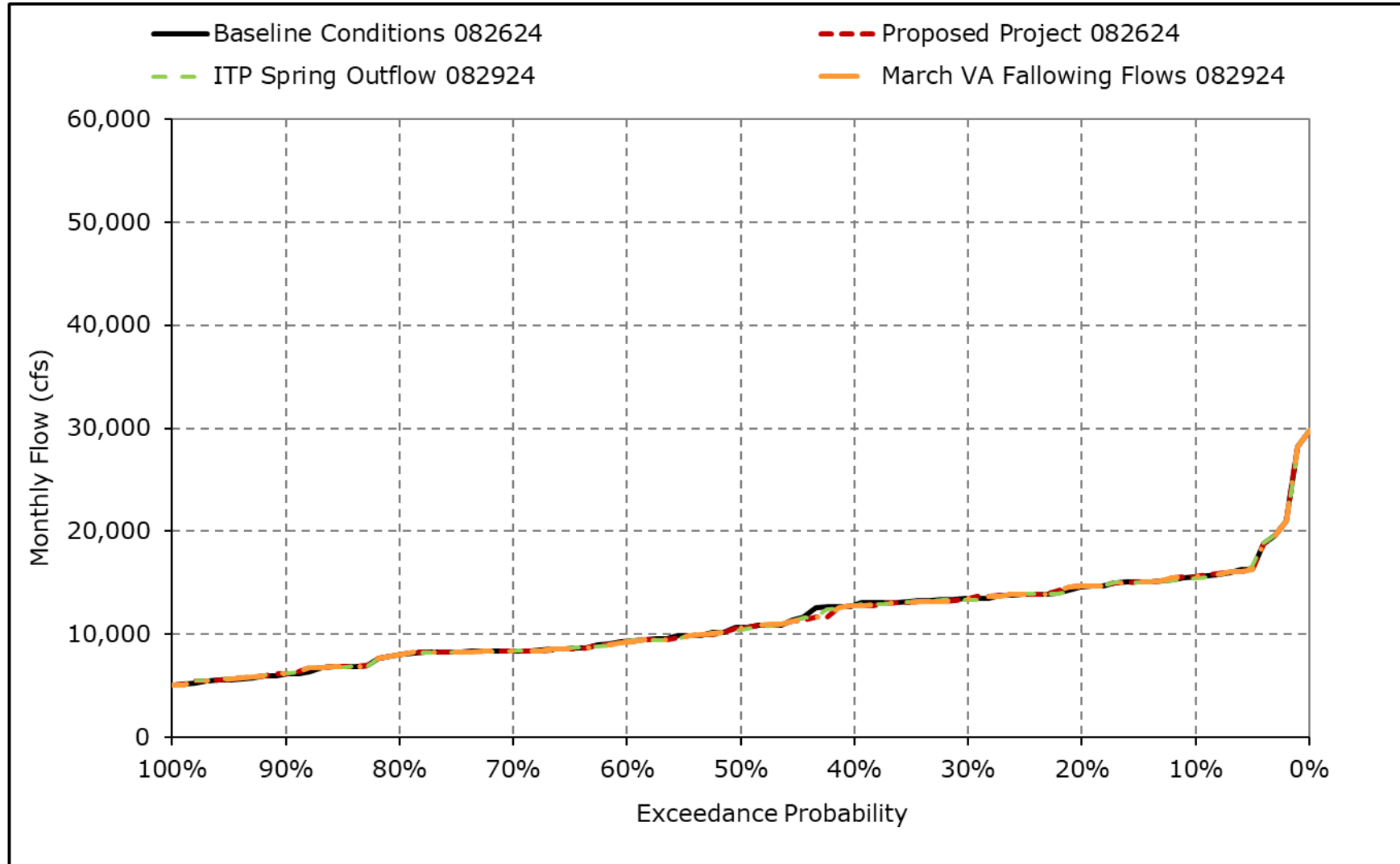


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

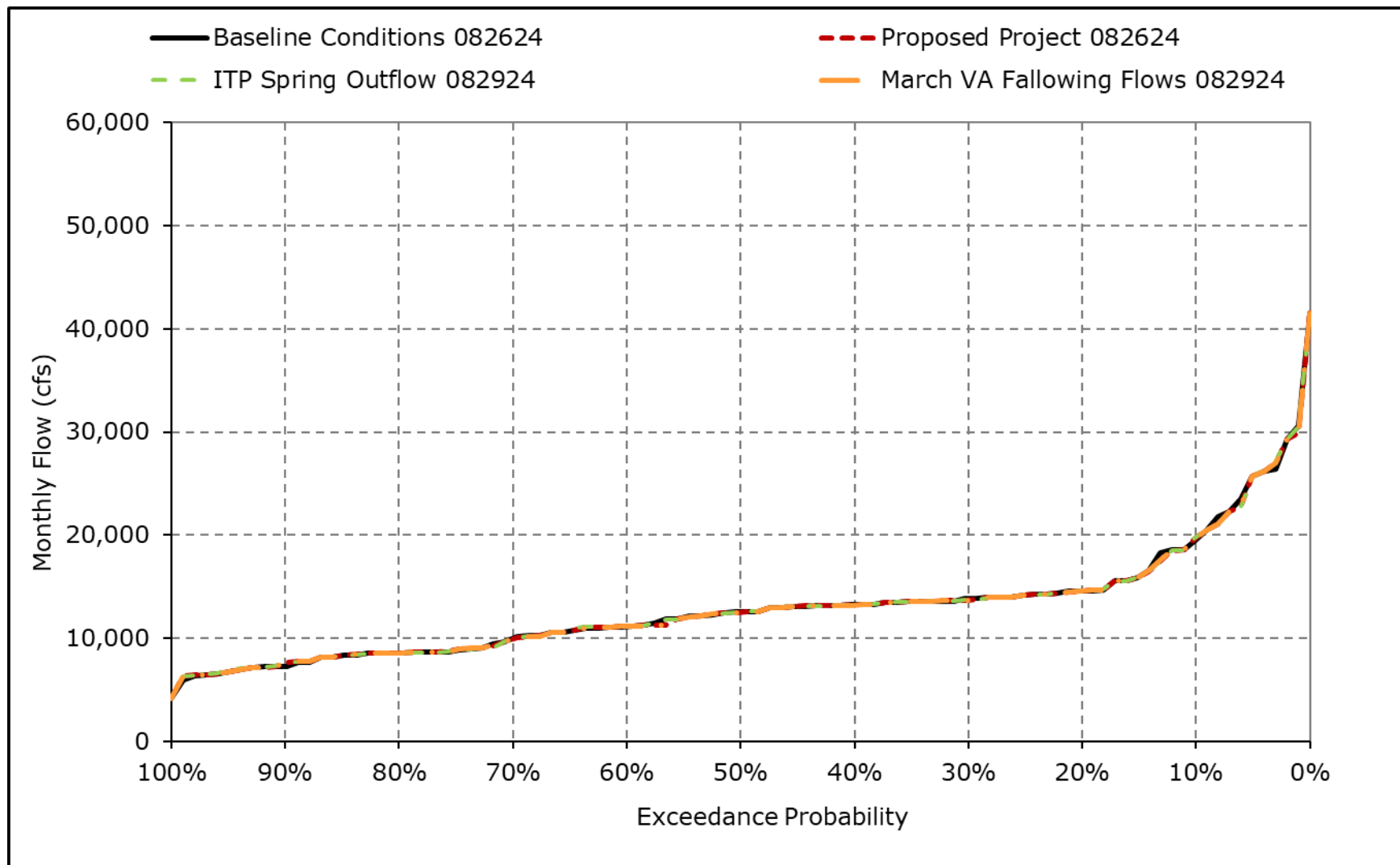
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



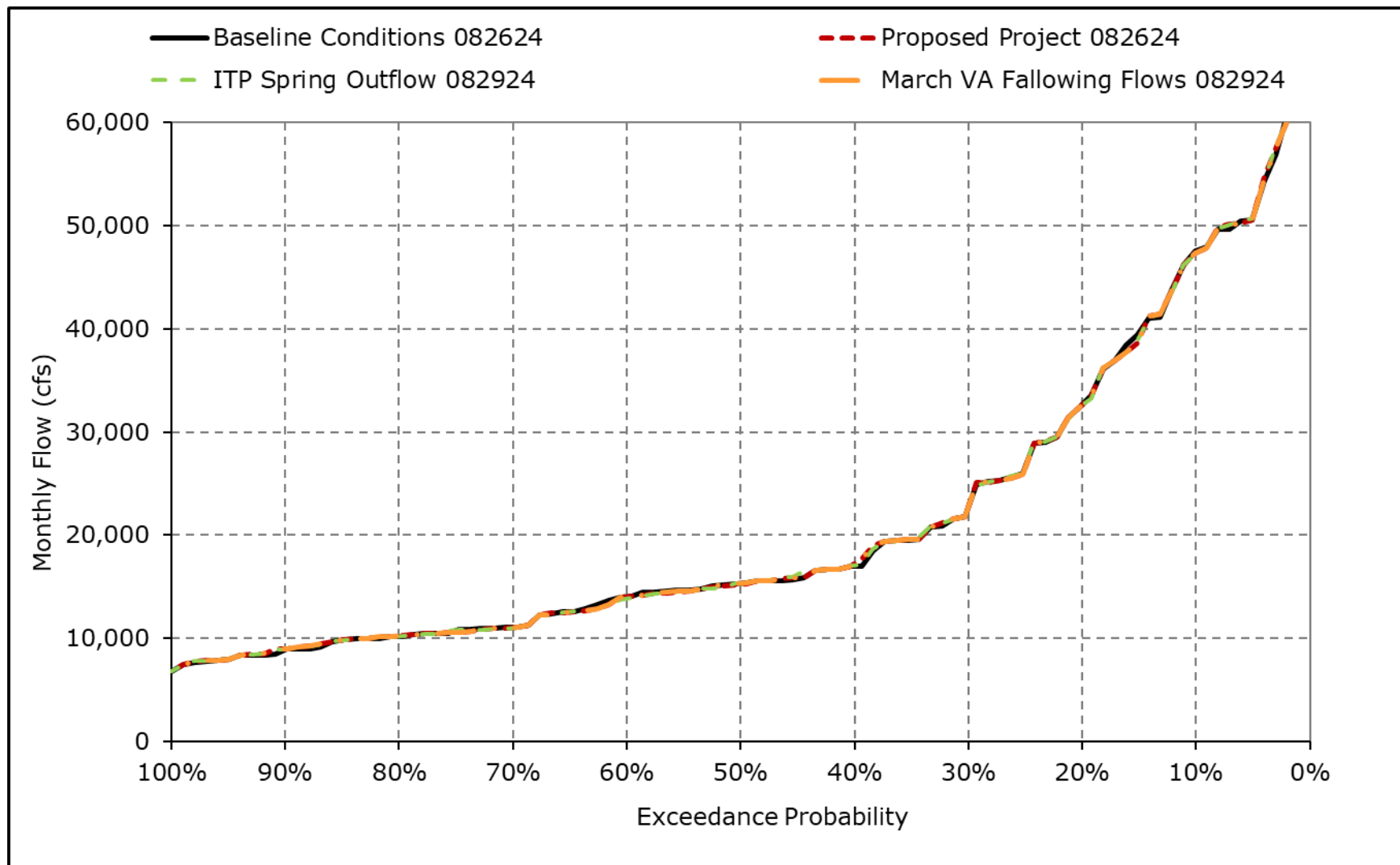
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



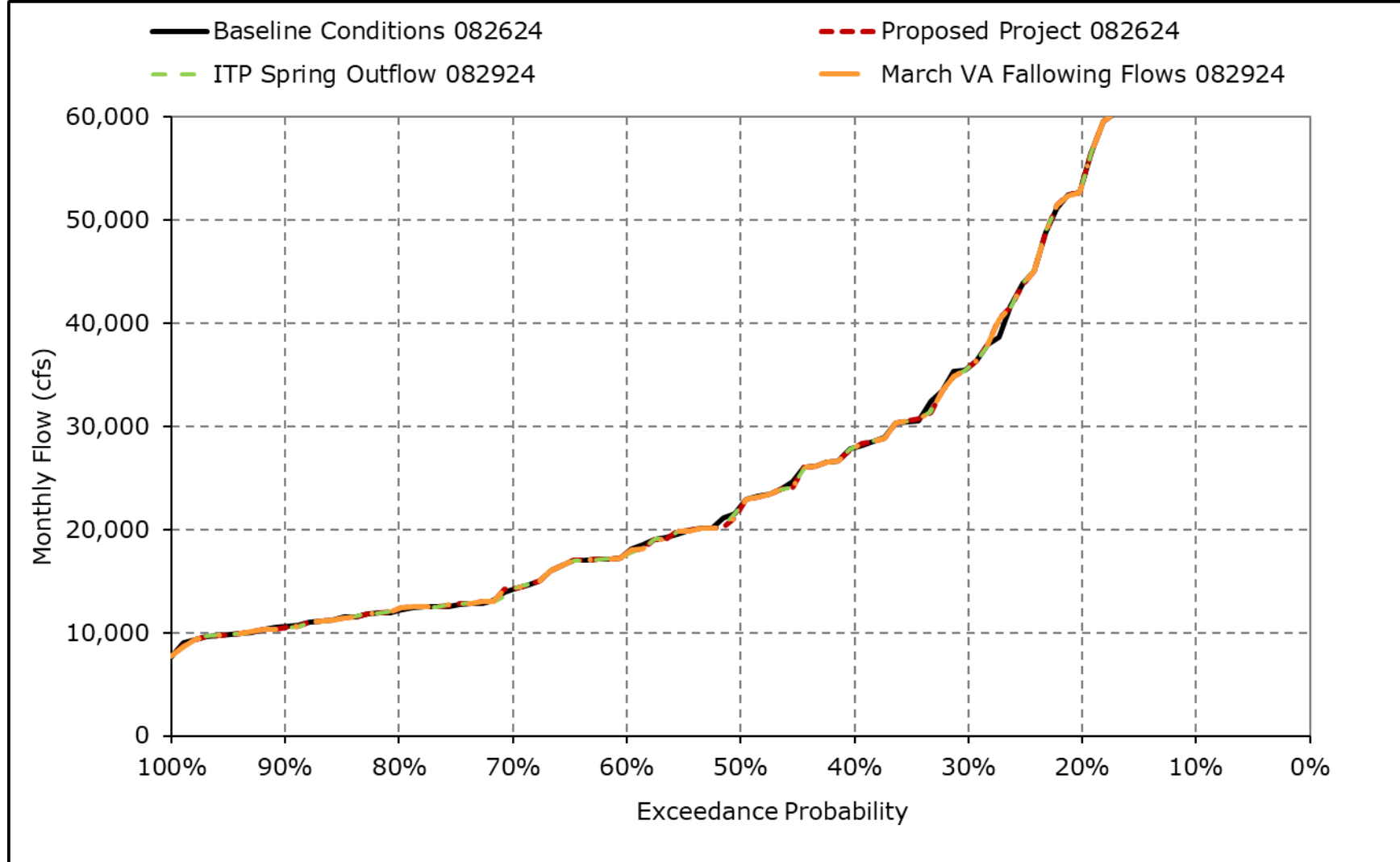
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



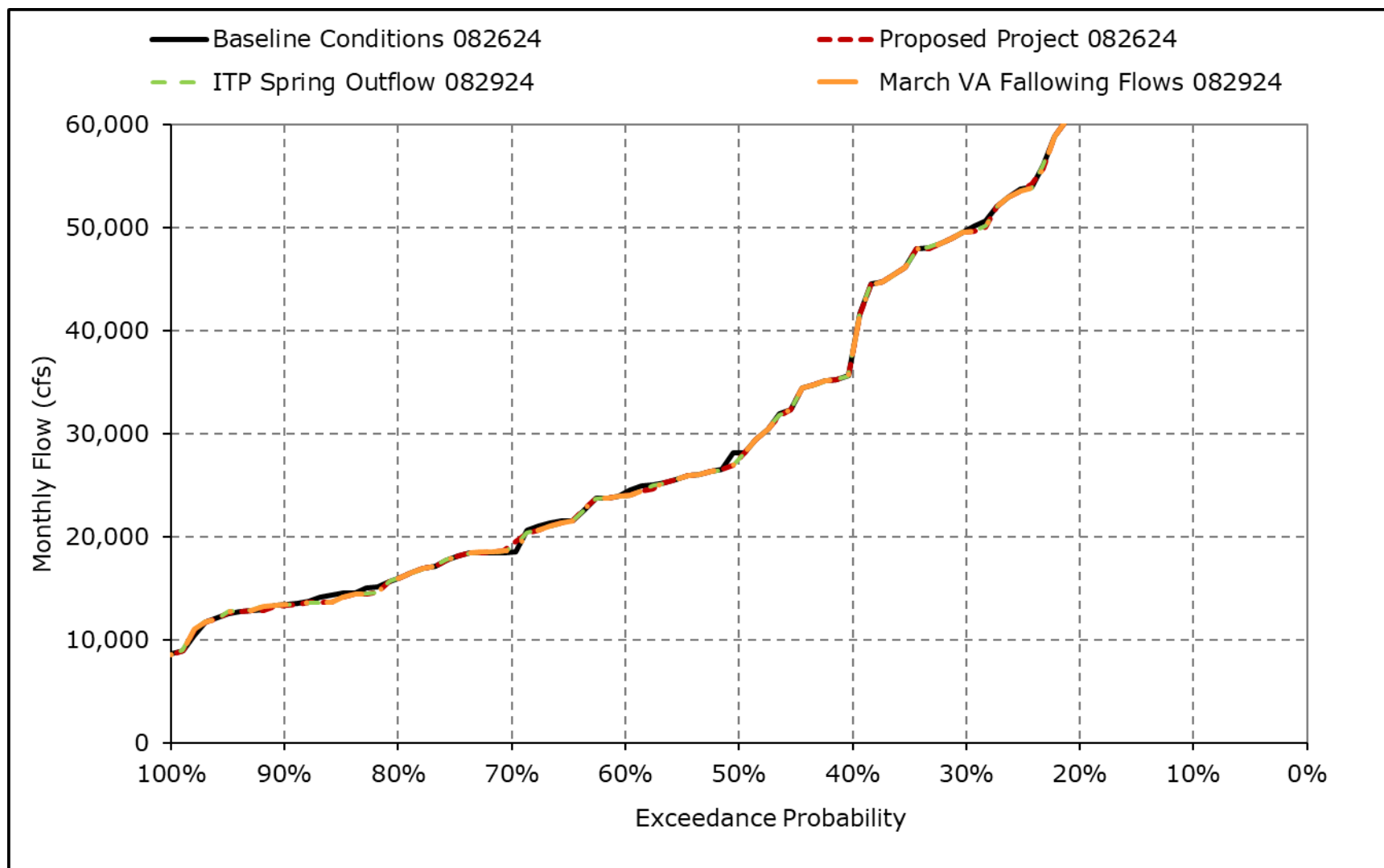
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



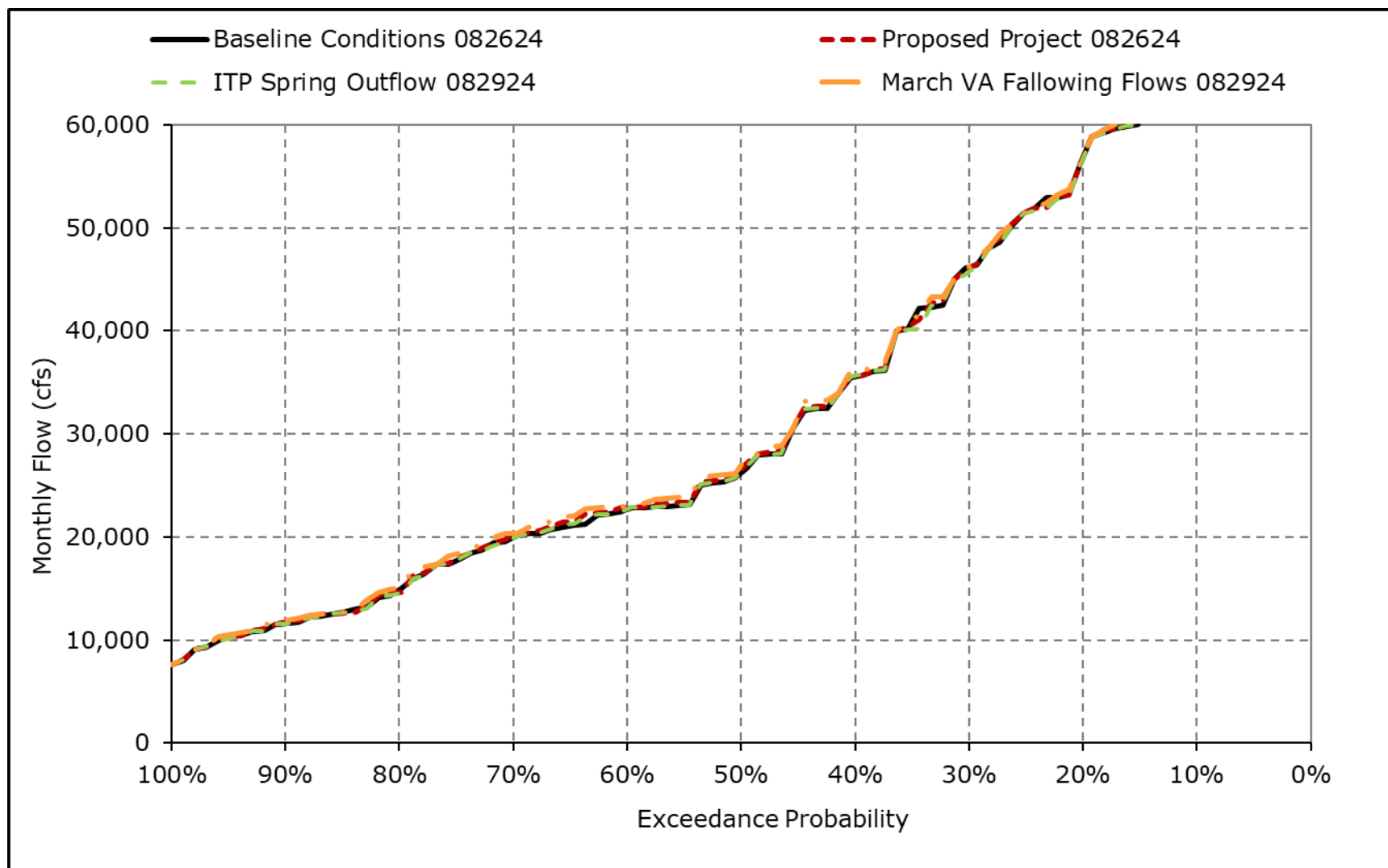
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



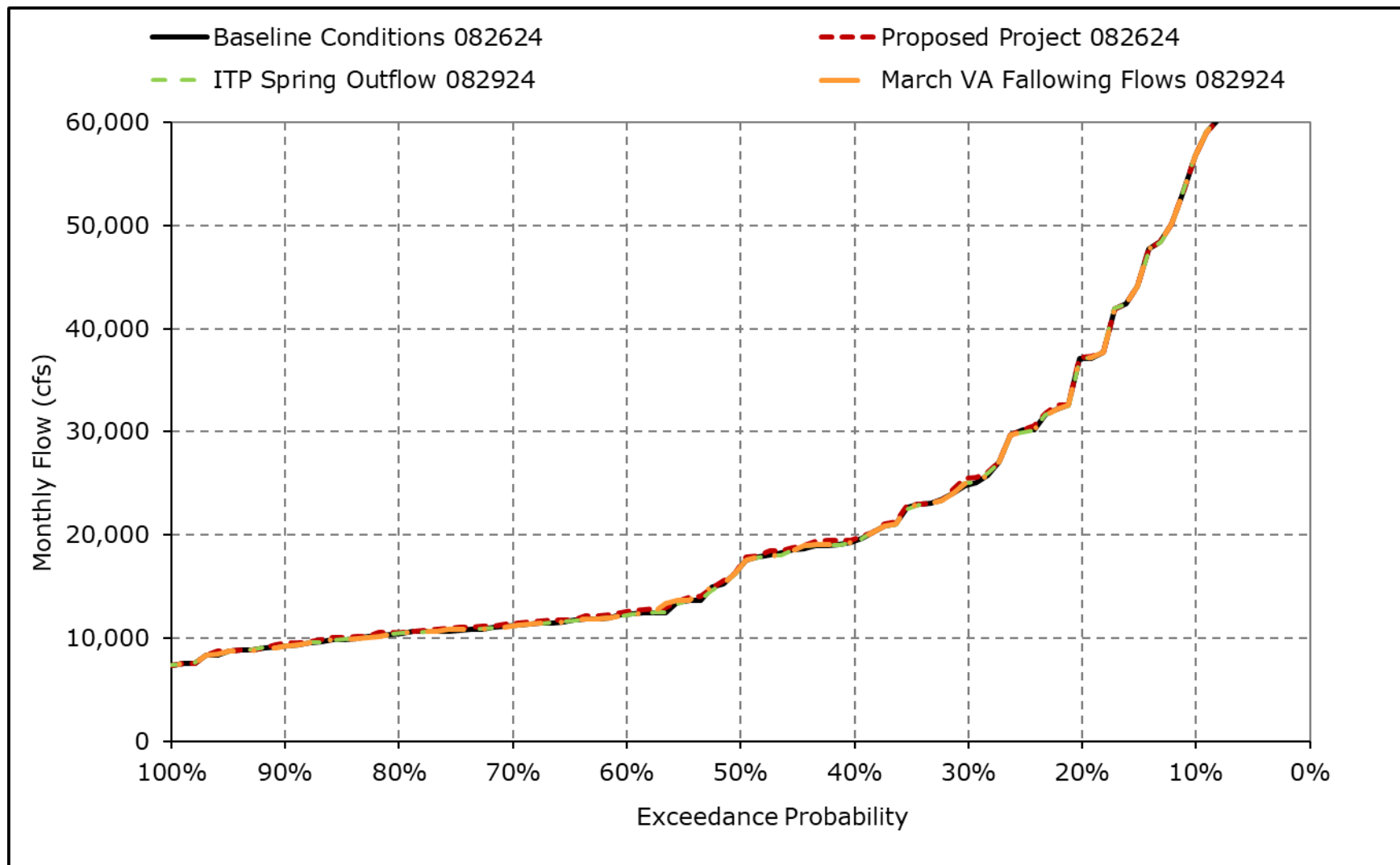
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



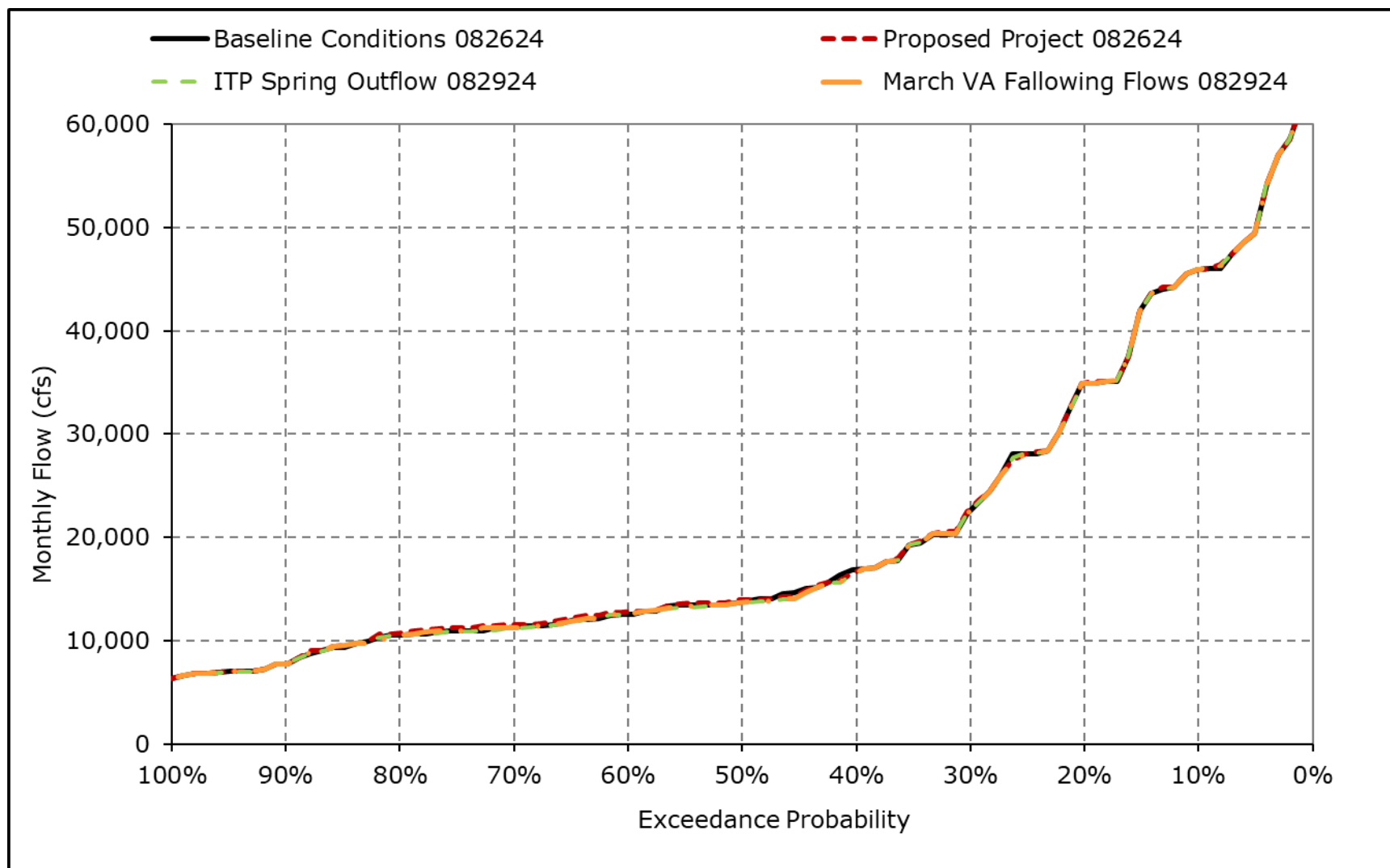
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



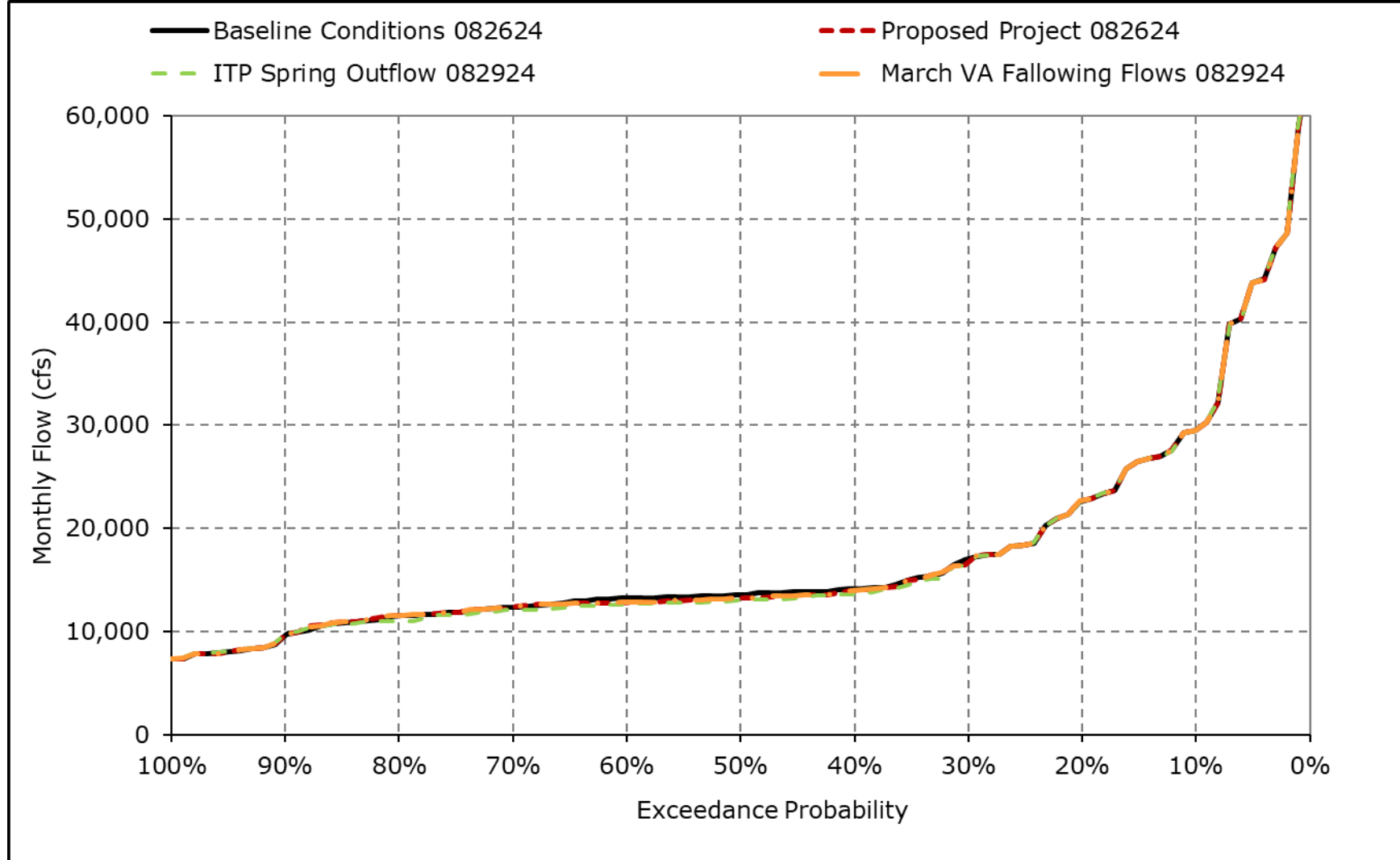
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



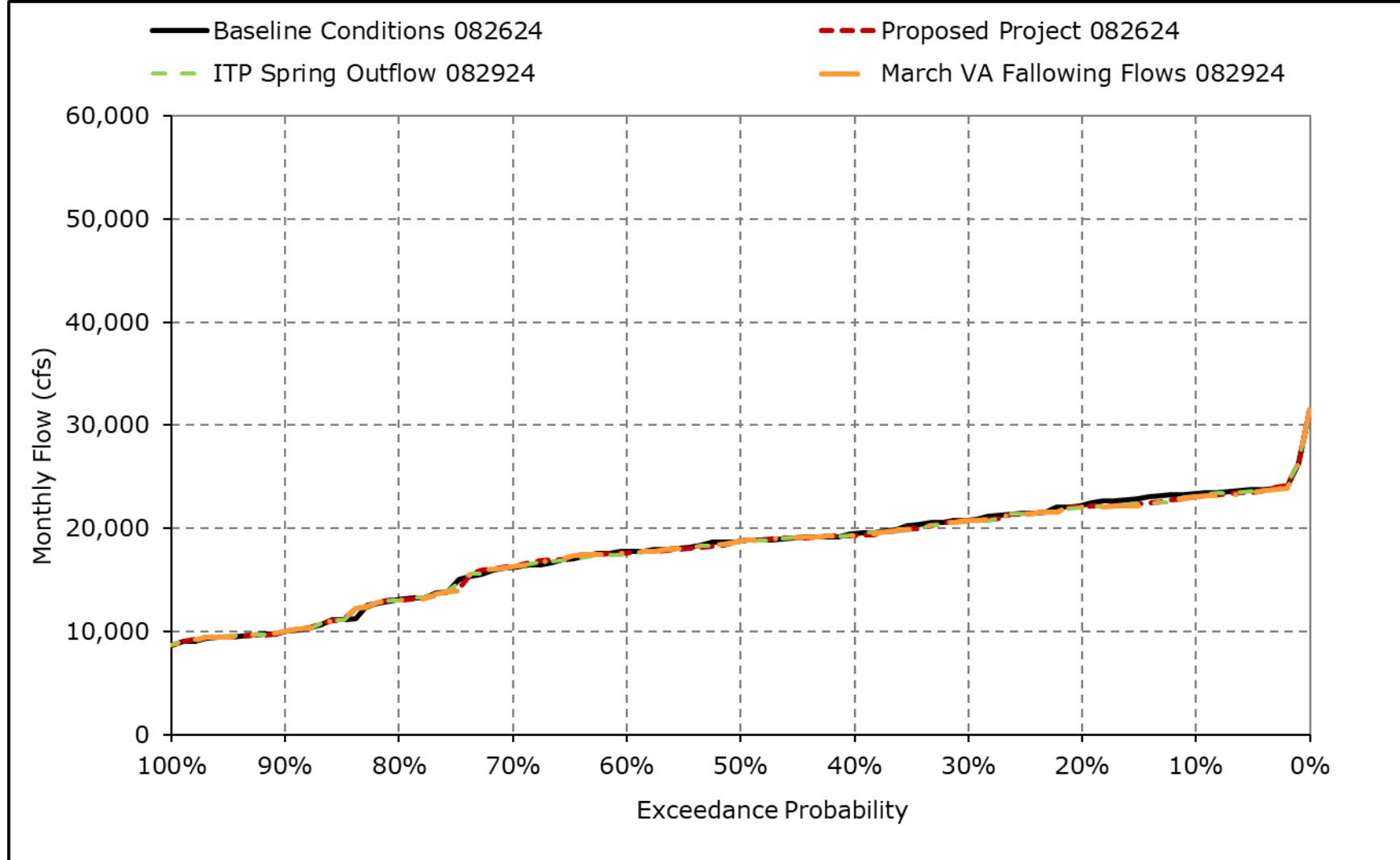
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



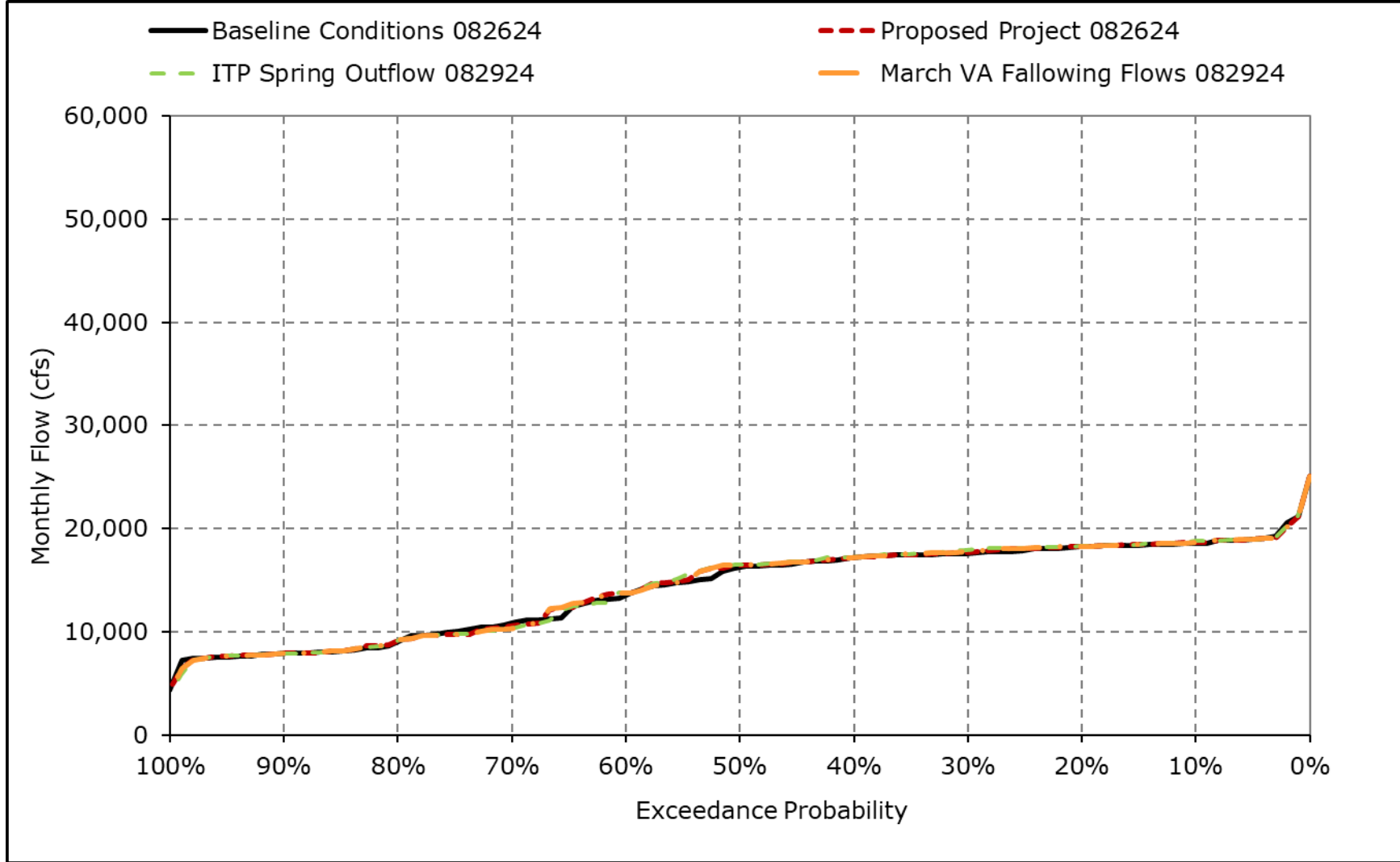
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



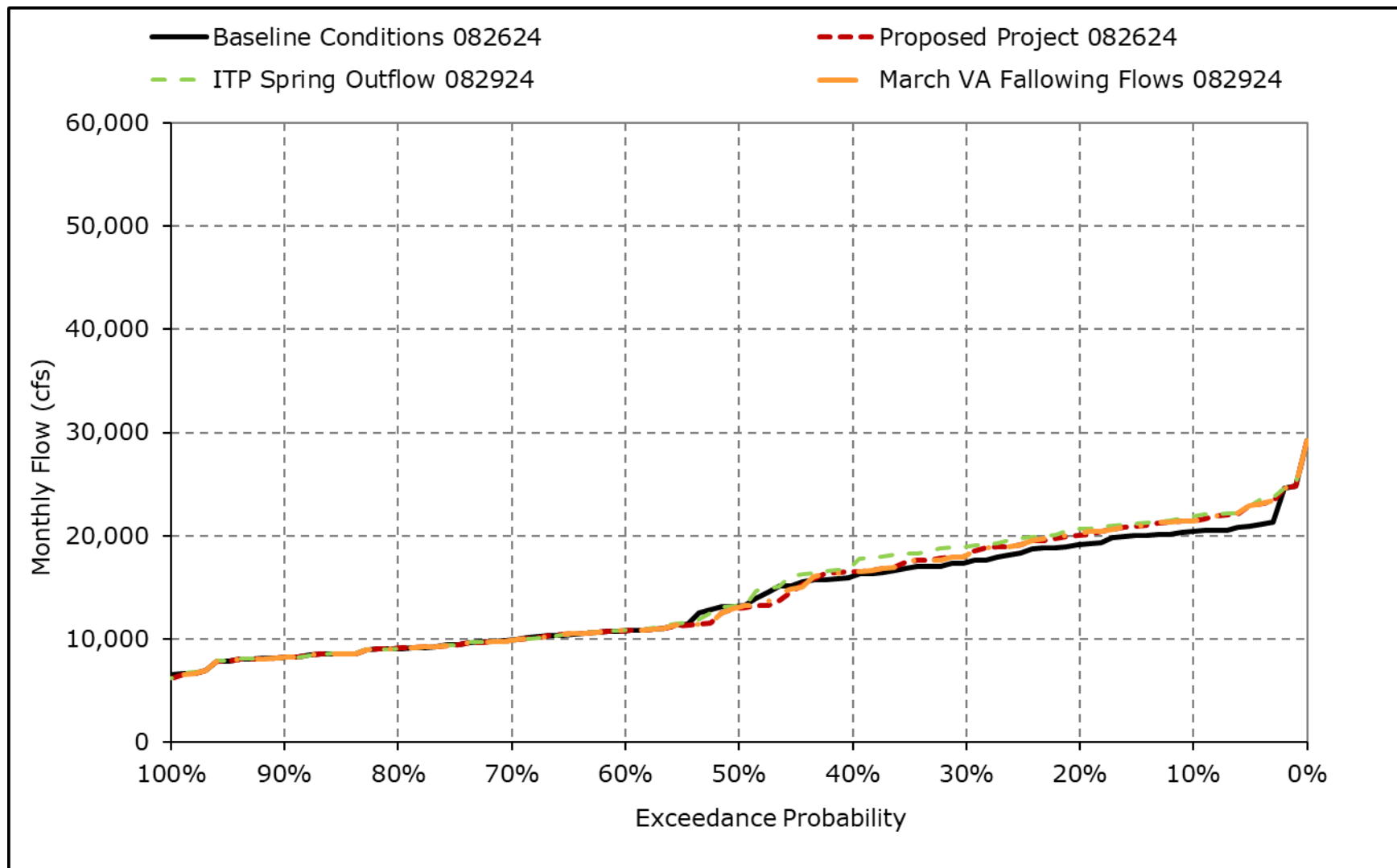
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



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

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



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

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

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

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

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

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

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

^a Based on the 100-year simulation period.

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

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

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

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

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

Table 4K-3-2-2b. Georgiana Slough Flow, ITP Spring Outflow 082924, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	3,162	3,764	7,677	10,339	10,819	10,763	9,027	7,474	5,144	4,237	3,621	4,065
20% Exceedance	3,037	3,027	5,597	8,555	9,825	9,011	6,230	5,901	4,171	4,077	3,554	3,887
30% Exceedance	2,857	2,898	4,188	6,030	8,001	7,442	4,520	4,161	3,326	3,884	3,506	3,647
40% Exceedance	2,781	2,831	3,384	4,939	6,347	6,023	3,710	3,312	2,894	3,714	3,406	3,391
50% Exceedance	2,446	2,737	3,139	4,118	4,882	4,708	3,360	2,901	2,808	3,605	3,294	2,839
60% Exceedance	2,291	2,540	2,933	3,442	4,374	4,181	2,696	2,743	2,756	3,441	2,916	2,503
70% Exceedance	2,154	2,359	2,535	2,961	3,662	3,798	2,553	2,553	2,676	3,268	2,434	2,369
80% Exceedance	2,107	2,168	2,406	2,709	3,237	3,034	2,448	2,457	2,517	2,805	2,256	2,255
90% Exceedance	1,850	2,041	2,234	2,453	2,868	2,615	2,278	2,063	2,333	2,381	2,079	2,128
Full Simulation Period Average ^a	2,565	2,804	4,026	5,305	6,210	5,857	4,332	3,916	3,426	3,482	2,993	3,040
Wet Water Years (32%)	2,832	3,260	5,798	8,378	9,569	8,923	7,070	6,062	4,783	3,801	3,478	3,900
Above Normal Water Years (9%)	2,522	2,766	3,919	6,791	7,099	7,177	4,467	4,320	3,643	3,962	3,539	3,794
Below Normal Water Years (20%)	2,574	2,703	3,245	4,191	5,265	5,126	3,406	3,296	2,840	3,905	3,351	2,849
Dry Water Years (21%)	2,506	2,725	3,288	3,192	4,195	3,893	2,702	2,607	2,783	3,311	2,497	2,394
Critical Water Years (18%)	2,172	2,218	2,657	2,800	3,194	2,848	2,327	2,115	2,310	2,402	2,038	2,098

Table 4K-3-2-2c. Georgiana Slough Flow, ITP Spring Outflow 082924 minus Baseline Conditions 082624, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-12	24	-39	2	-6	-2	-11	3	0	-32	26	205
20% Exceedance	-1	0	-8	3	-4	0	0	-2	1	-27	9	210
30% Exceedance	-16	-17	1	2	-19	-75	26	0	-53	-22	47	220
40% Exceedance	-5	0	12	13	-10	8	-2	-46	-71	-7	7	146
50% Exceedance	-38	-1	2	1	-85	22	0	-11	-72	-10	30	0
60% Exceedance	-6	4	-27	-38	-43	-1	-12	1	-79	-32	36	5
70% Exceedance	-4	-22	0	-16	60	0	-3	-7	-35	5	-67	-5
80% Exceedance	0	-1	0	33	0	-46	6	-6	-74	-18	15	8
90% Exceedance	5	62	12	-3	0	0	-2	-1	2	9	-8	-1
Full Simulation Period Average ^a	-4	0	1	-2	-11	-6	-1	-8	-32	-14	8	85
Wet Water Years (32%)	-12	3	5	2	-11	-5	-1	0	-10	-3	12	173
Above Normal Water Years (9%)	-4	-27	-1	-3	-6	-31	-3	-1	-38	-15	-14	324
Below Normal Water Years (20%)	-17	-3	5	-10	-9	8	1	-37	-54	-58	72	0
Dry Water Years (21%)	12	5	-15	0	-26	-8	1	-4	-72	4	-31	2
Critical Water Years (18%)	6	3	10	-2	3	-8	-3	2	3	-2	-11	-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 4K-3-2-3a. Georgiana Slough Flow, Baseline Conditions 082624, Monthly Flow (cfs)

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

Table 4K-3-2-3b. Georgiana Slough Flow, March VA Following Flows 082924, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	3,181	3,763	7,689	10,339	10,823	10,763	9,034	7,472	5,144	4,234	3,604	4,003
20% Exceedance	3,042	3,027	5,603	8,553	9,834	9,010	6,232	5,901	4,171	4,084	3,551	3,821
30% Exceedance	2,872	2,899	4,194	6,031	7,998	7,523	4,520	4,161	3,325	3,897	3,475	3,533
40% Exceedance	2,773	2,825	3,414	4,936	6,353	6,099	3,711	3,312	2,943	3,699	3,400	3,312
50% Exceedance	2,479	2,735	3,135	4,089	4,883	4,793	3,360	2,903	2,833	3,616	3,292	2,816
60% Exceedance	2,278	2,538	2,958	3,461	4,373	4,230	2,696	2,746	2,774	3,461	2,913	2,500
70% Exceedance	2,154	2,359	2,535	2,989	3,617	3,857	2,553	2,558	2,715	3,265	2,427	2,370
80% Exceedance	2,108	2,170	2,406	2,709	3,237	3,117	2,451	2,458	2,601	2,802	2,256	2,255
90% Exceedance	1,850	2,040	2,234	2,453	2,868	2,655	2,278	2,063	2,333	2,377	2,079	2,128
Full Simulation Period Average ^a	2,566	2,801	4,025	5,304	6,211	5,916	4,335	3,917	3,447	3,481	2,993	3,000
Wet Water Years (32%)	2,832	3,251	5,799	8,375	9,576	8,927	7,071	6,063	4,794	3,799	3,474	3,841
Above Normal Water Years (9%)	2,516	2,780	3,917	6,791	7,098	7,302	4,466	4,320	3,681	3,966	3,534	3,711
Below Normal Water Years (20%)	2,574	2,702	3,253	4,190	5,259	5,238	3,406	3,297	2,881	3,896	3,340	2,782
Dry Water Years (21%)	2,514	2,723	3,284	3,196	4,196	4,008	2,718	2,612	2,803	3,319	2,512	2,394
Critical Water Years (18%)	2,169	2,216	2,647	2,800	3,194	2,848	2,326	2,114	2,318	2,400	2,043	2,096

Table 4K-3-2-3c. Georgiana Slough Flow, March VA Following Flows 082924 minus Baseline Conditions 082624, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	7	23	-27	1	-2	-2	-4	2	0	-35	10	144
20% Exceedance	3	0	-3	1	5	0	1	-2	1	-21	6	144
30% Exceedance	-1	-16	7	3	-21	7	27	0	-54	-9	16	106
40% Exceedance	-13	-6	42	10	-4	83	-1	-46	-22	-22	1	66
50% Exceedance	-5	-3	-2	-28	-83	107	0	-9	-47	0	28	-22
60% Exceedance	-20	1	-1	-19	-44	48	-12	4	-60	-12	34	2
70% Exceedance	-4	-22	0	12	16	59	-3	-3	4	2	-74	-4
80% Exceedance	0	1	0	33	-1	36	9	-5	10	-20	15	8
90% Exceedance	5	62	12	-3	0	39	-1	-1	2	5	-8	-1
Full Simulation Period Average ^a	-3	-3	0	-3	-10	53	3	-7	-11	-14	9	44
Wet Water Years (32%)	-12	-6	5	-1	-4	-1	0	0	2	-5	8	114
Above Normal Water Years (9%)	-10	-13	-3	-3	-7	94	-5	-1	0	-11	-19	242
Below Normal Water Years (20%)	-16	-4	13	-12	-16	120	1	-36	-13	-66	61	-68
Dry Water Years (21%)	20	4	-19	4	-25	107	17	1	-51	12	-16	2
Critical Water Years (18%)	3	0	0	-2	3	-8	-4	2	12	-4	-6	-4

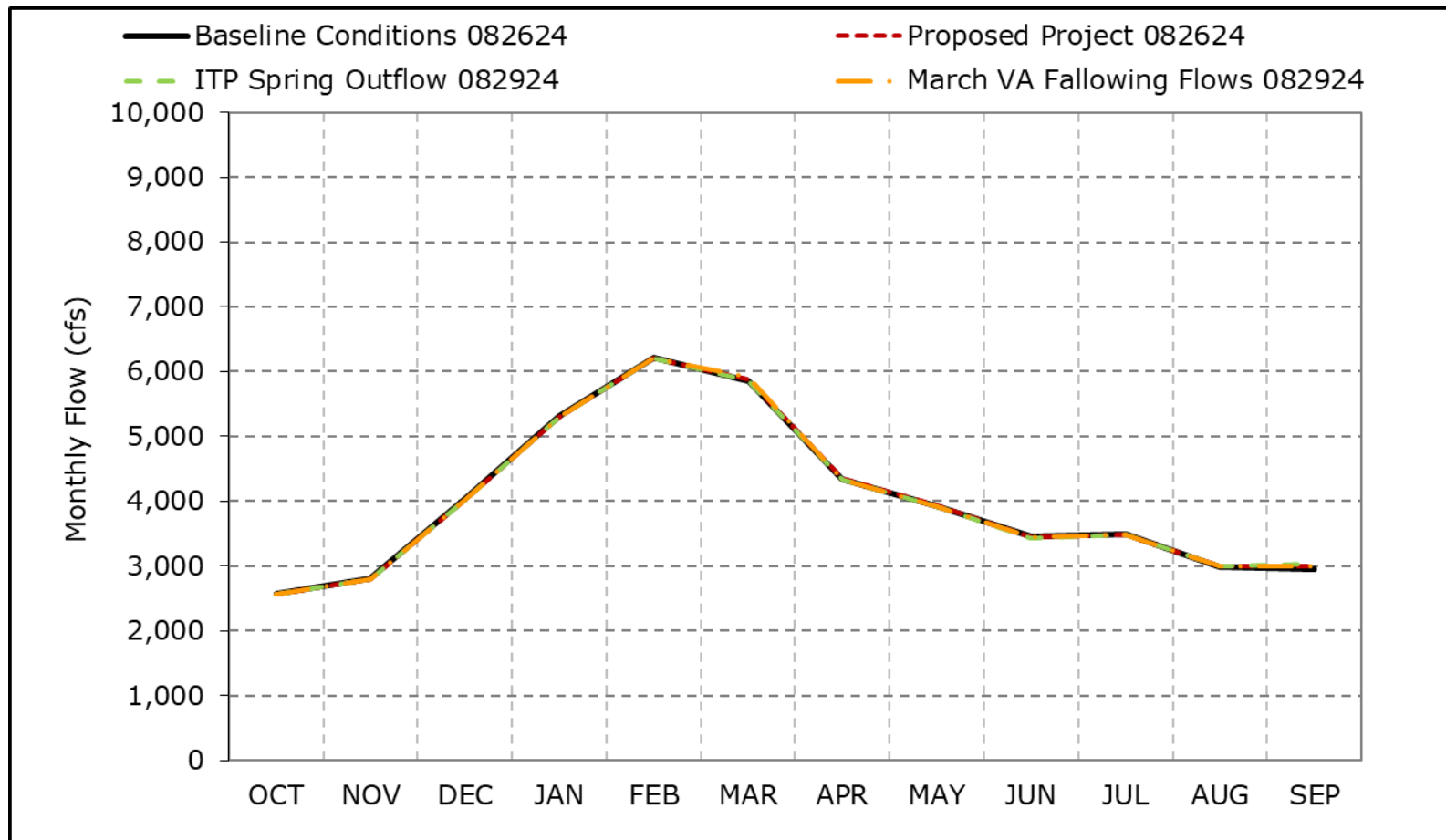
^a Based on the 100-year simulation period.

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

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

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

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

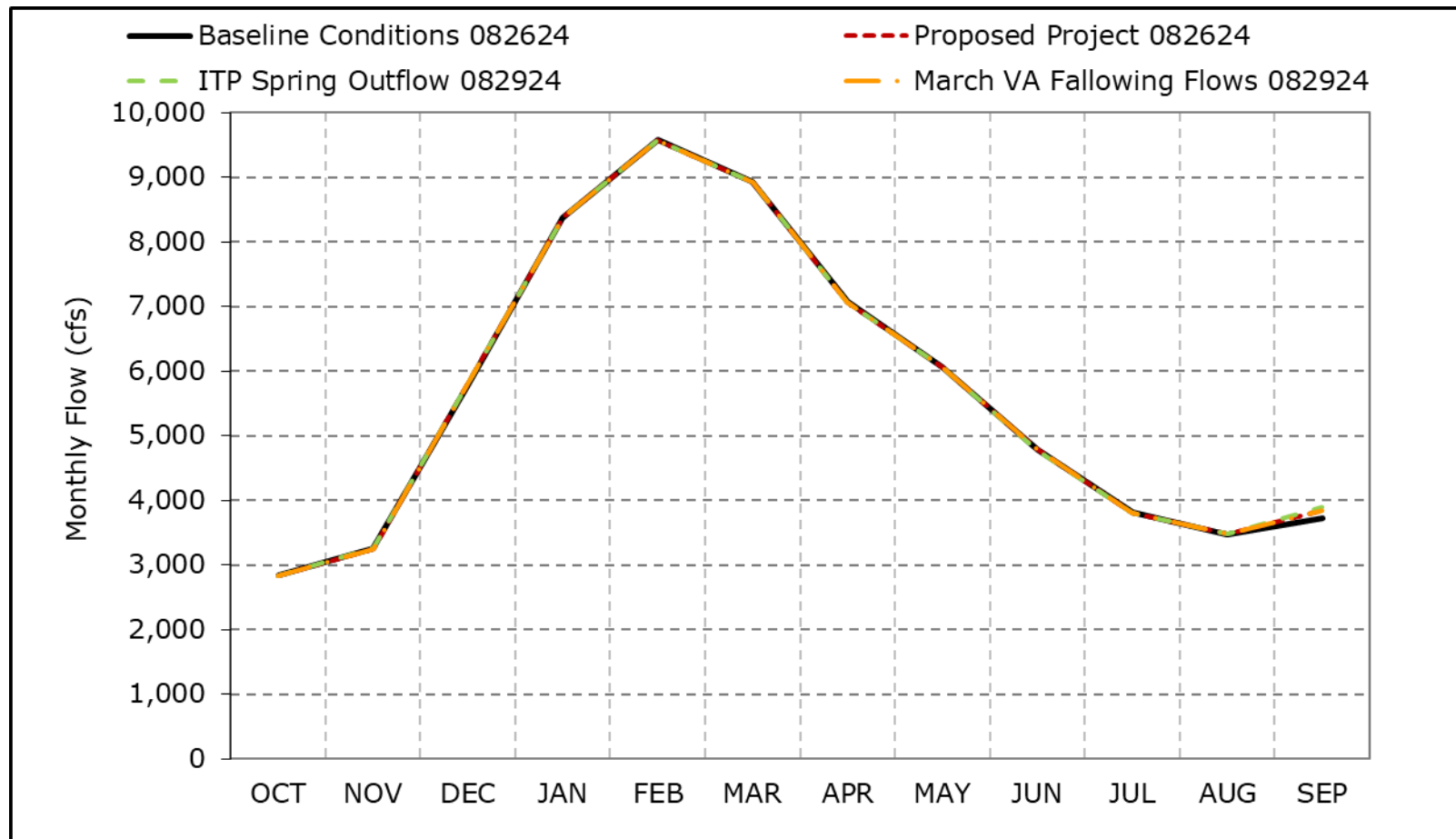


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*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 4K-3-2b. Georgiana Slough Flow, Wet Year Average Flow

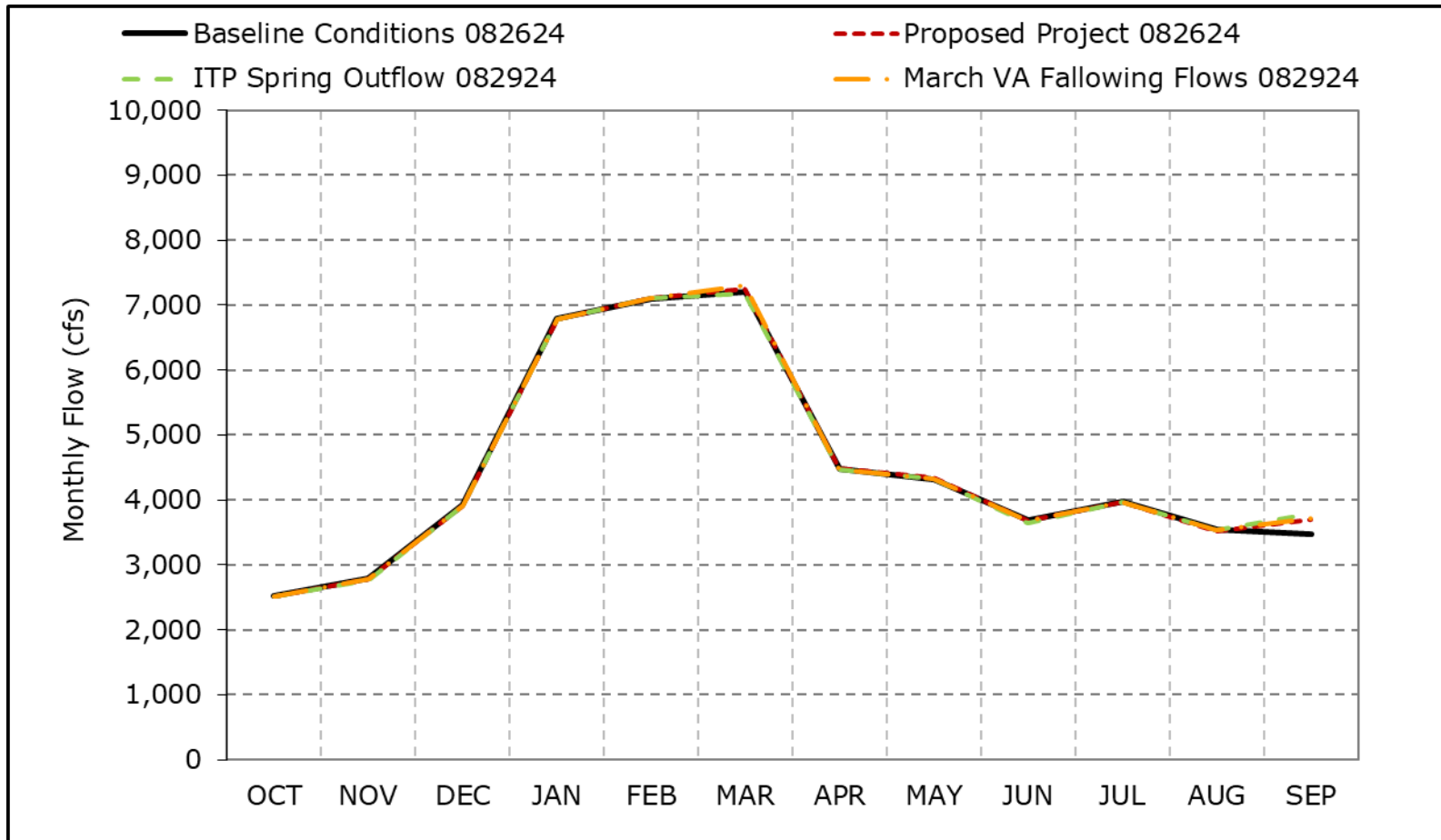


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*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 4K-3-2c. Georgiana Slough Flow, Above Normal Year Average Flow

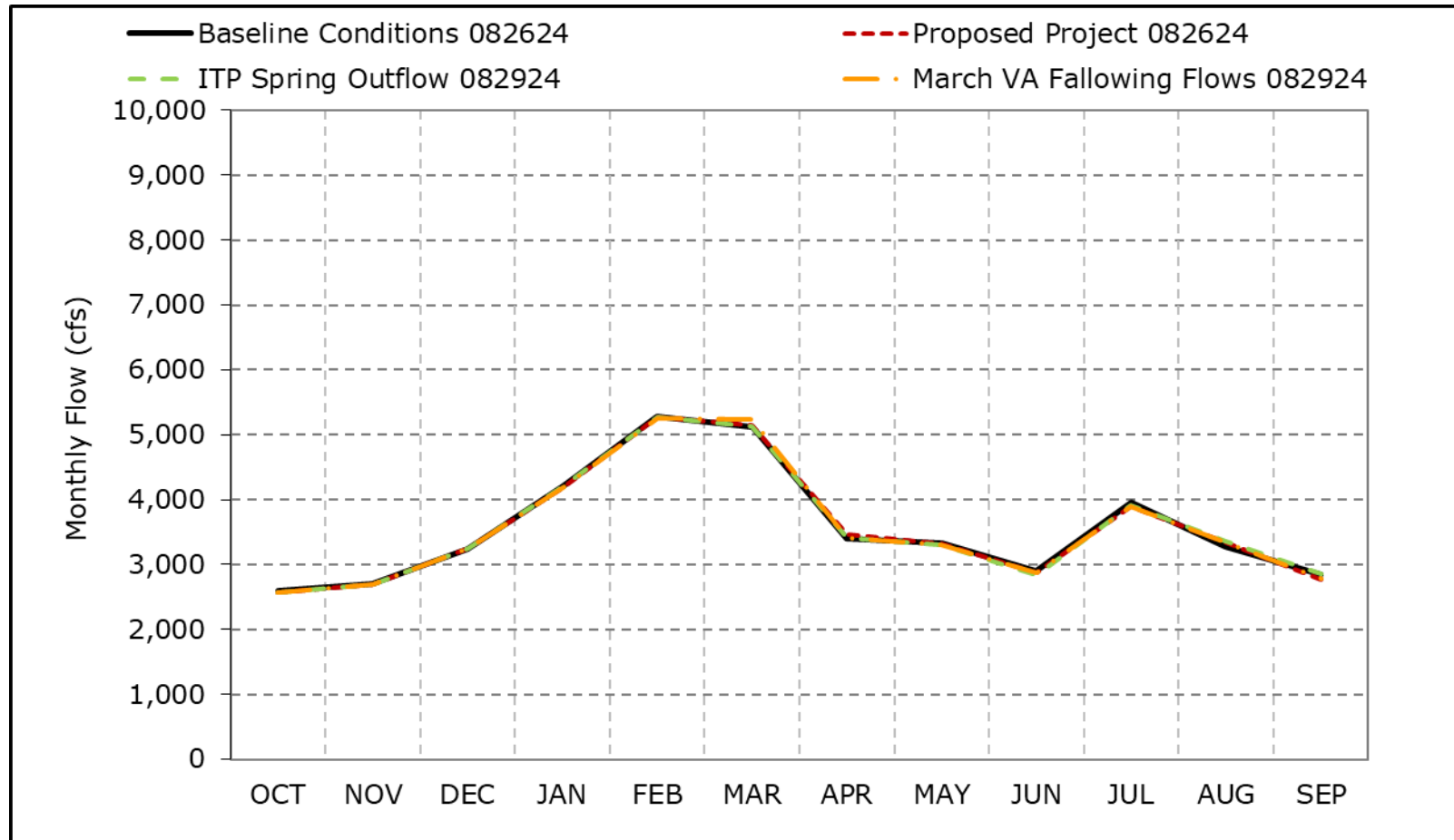


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*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 4K-3-2d. Georgiana Slough Flow, Below Normal Year Average Flow

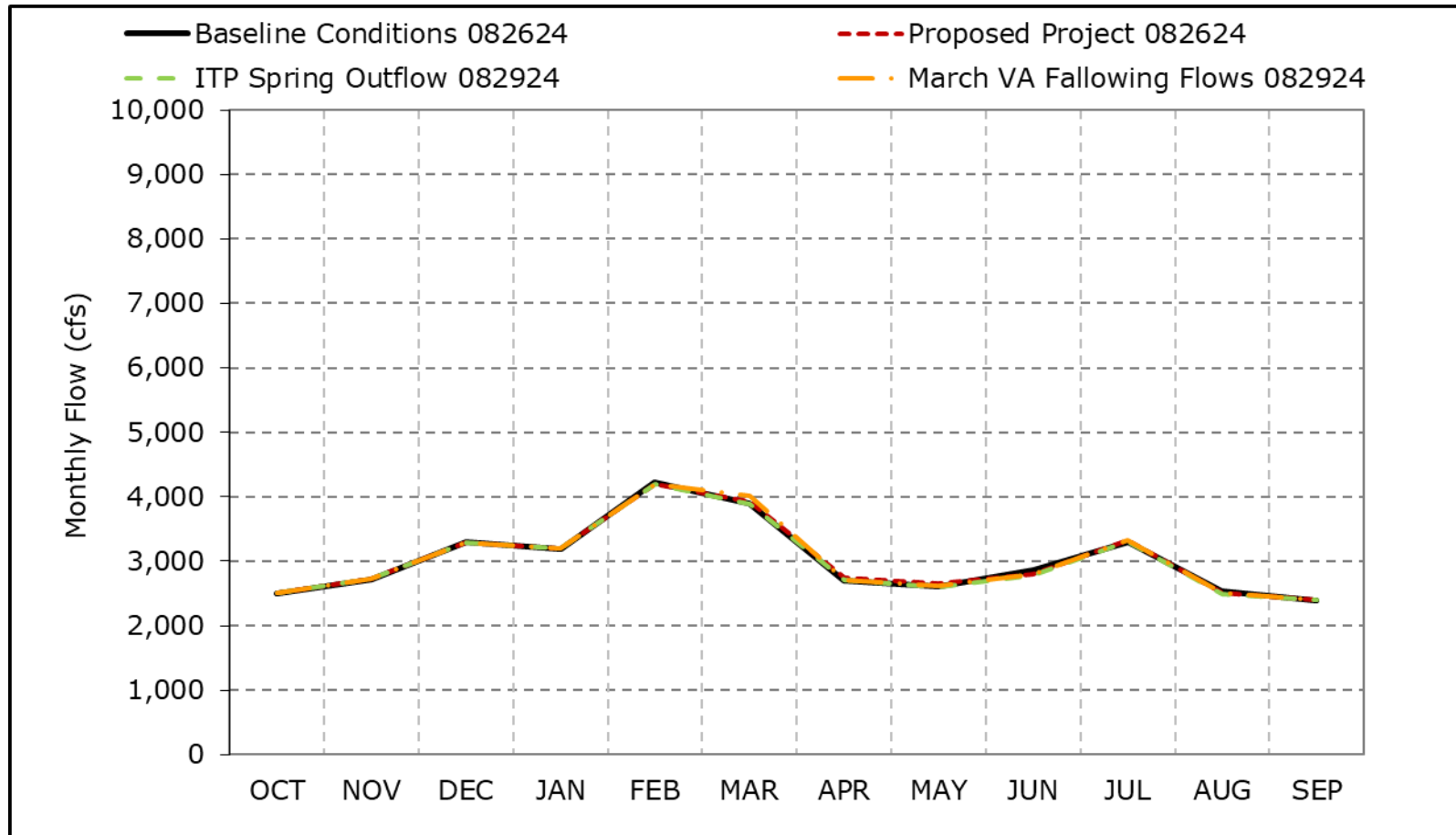


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*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 4K-3-2e. Georgiana Slough Flow, Dry Year Average Flow

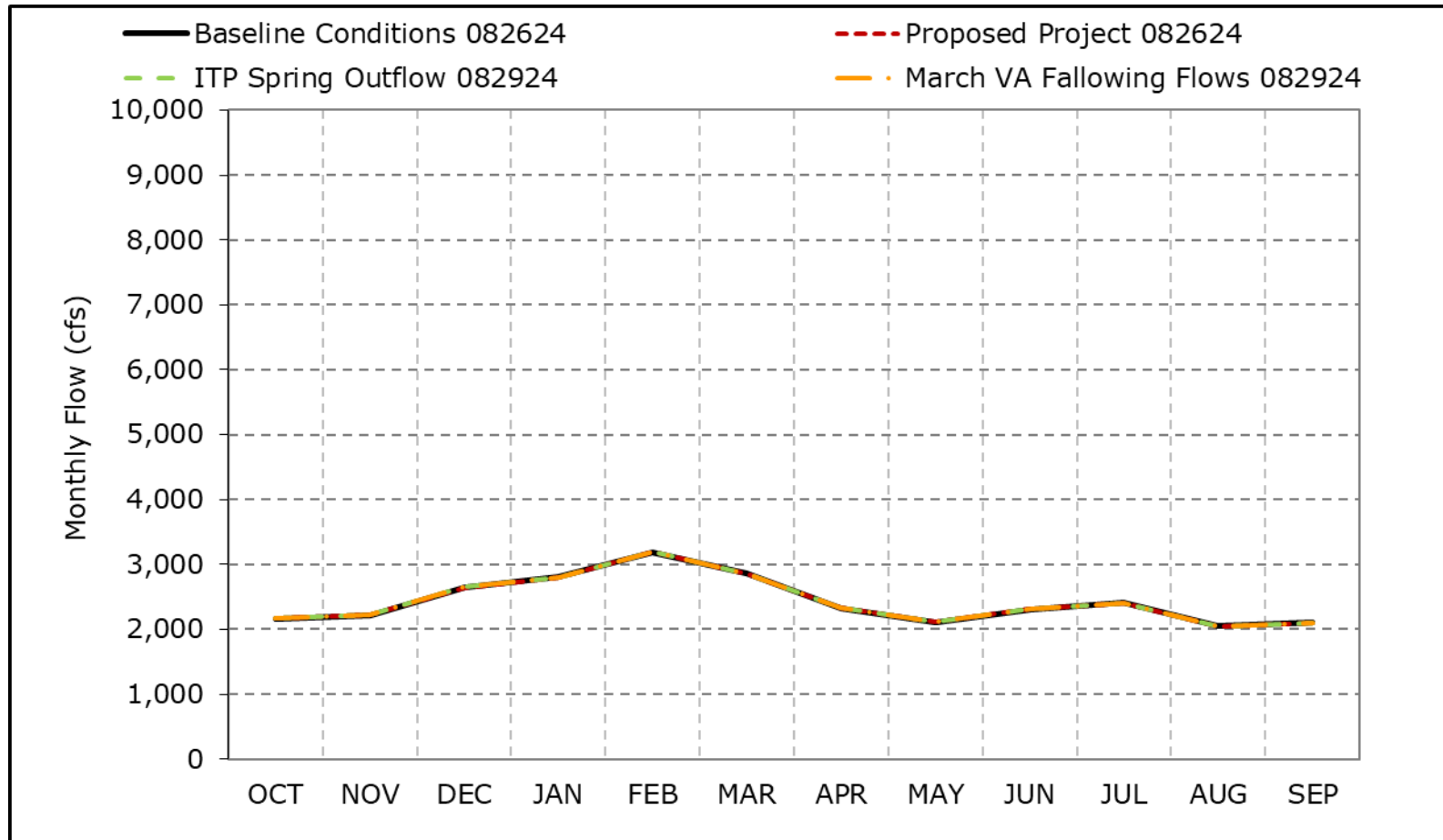


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*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 4K-3-2f. Georgiana Slough Flow, Critical Year Average Flow

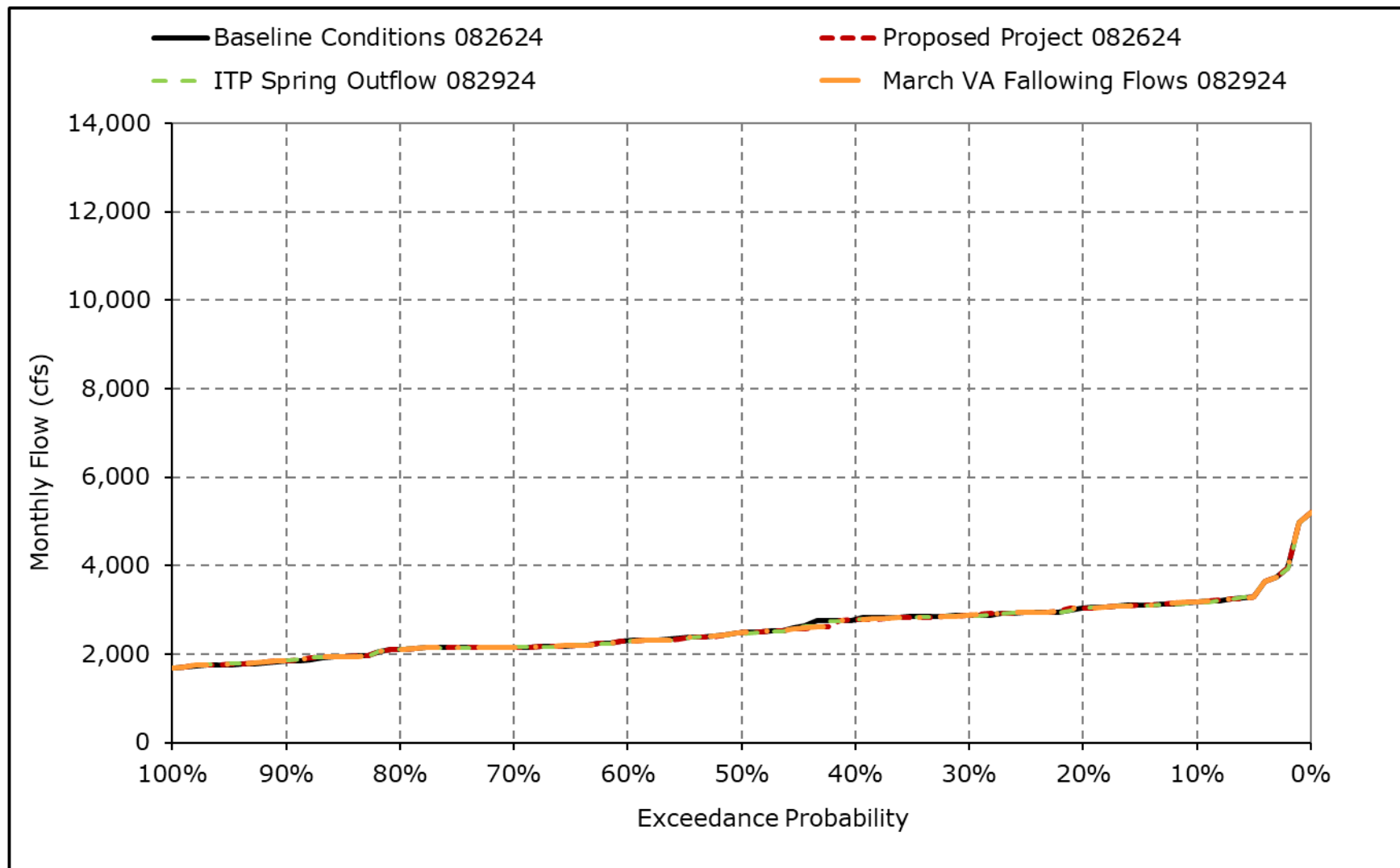


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

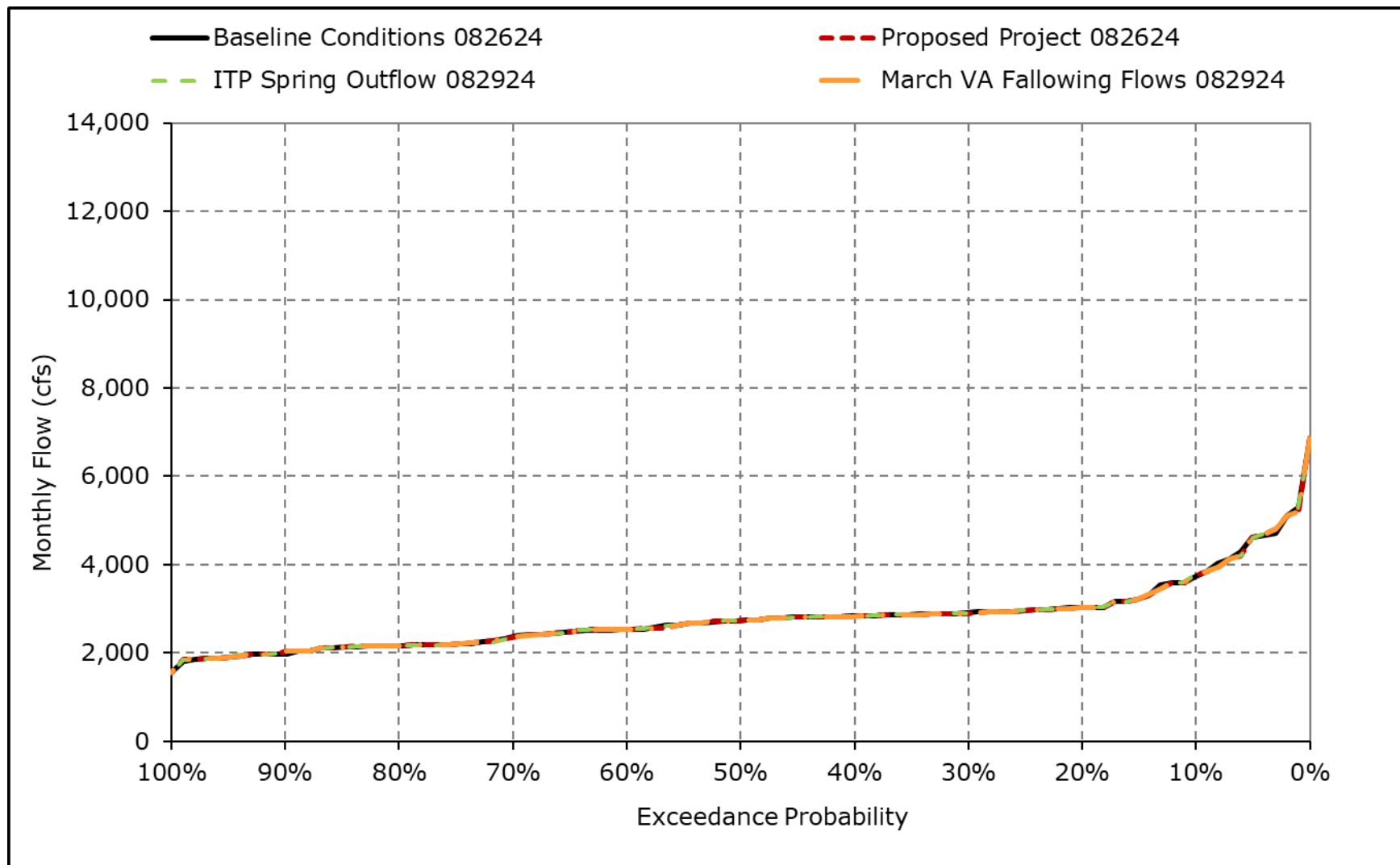
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



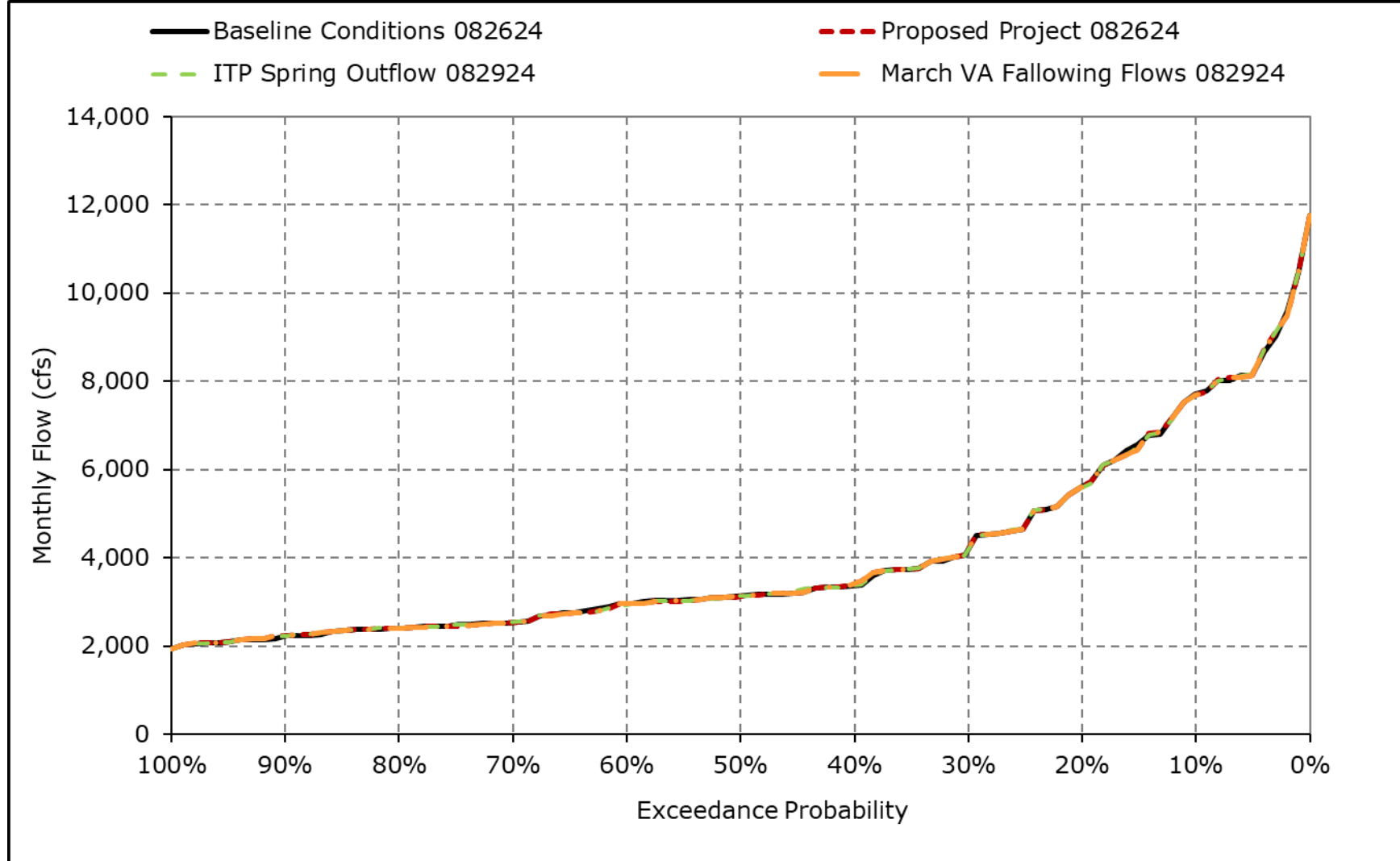
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



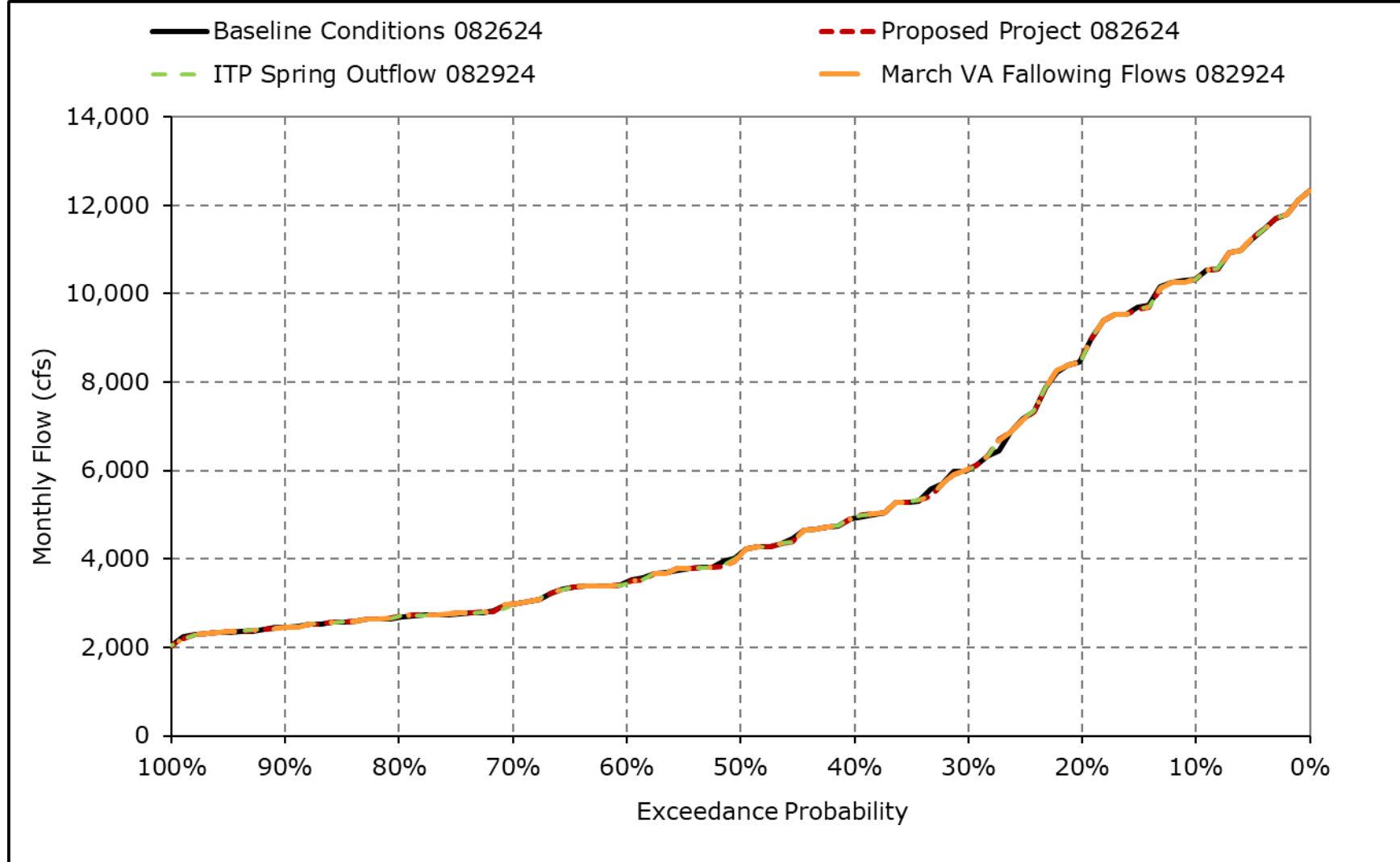
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



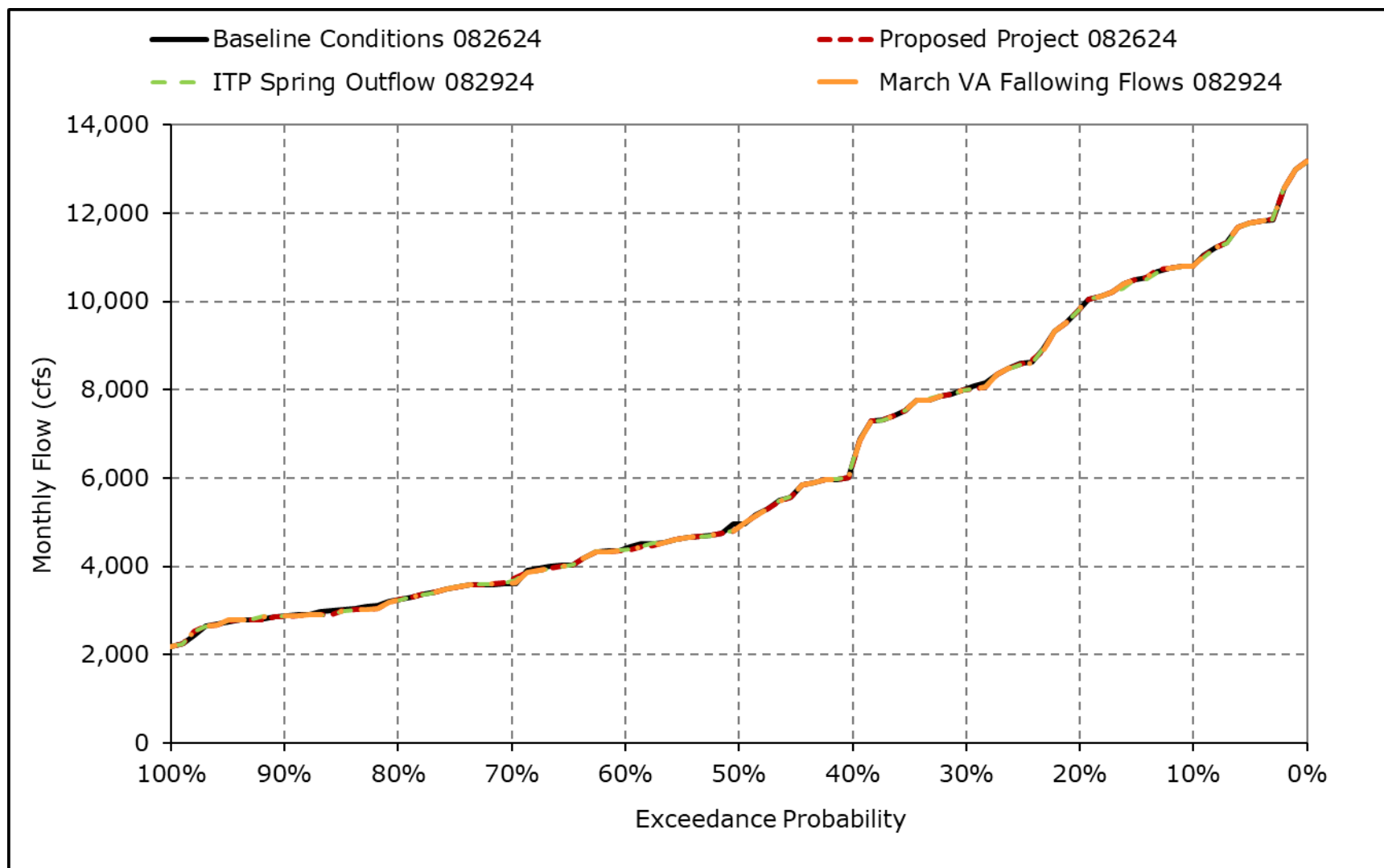
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



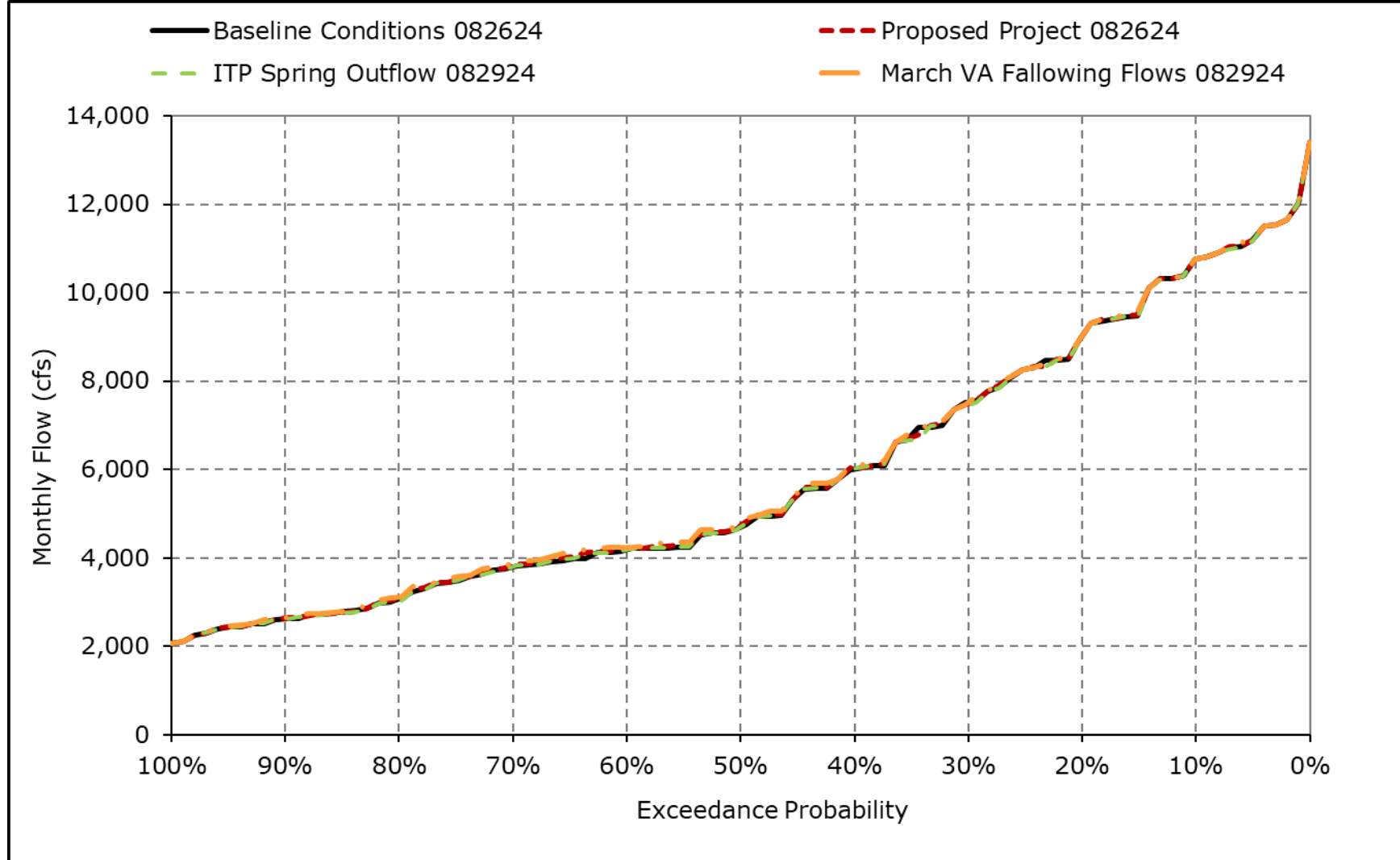
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



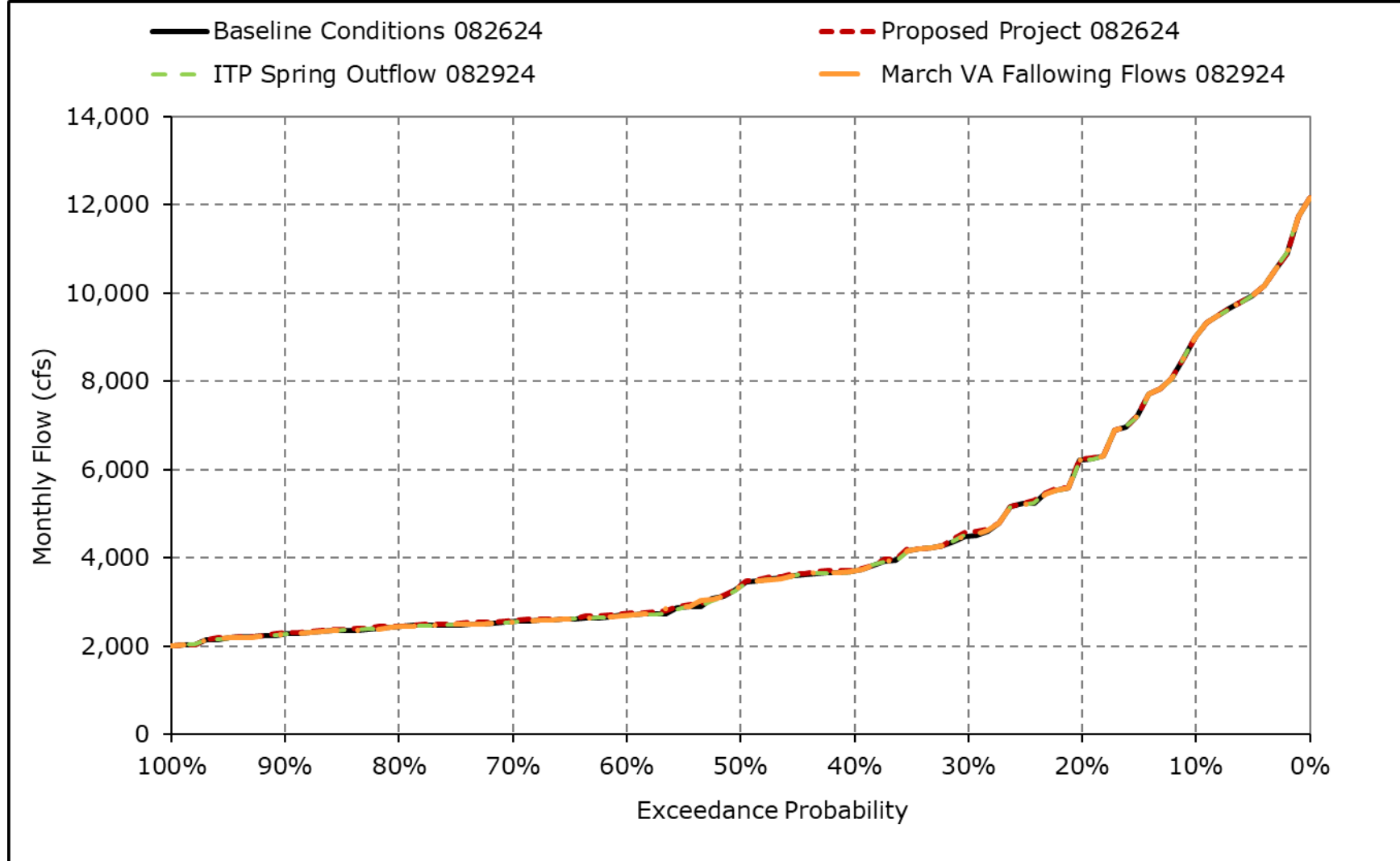
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



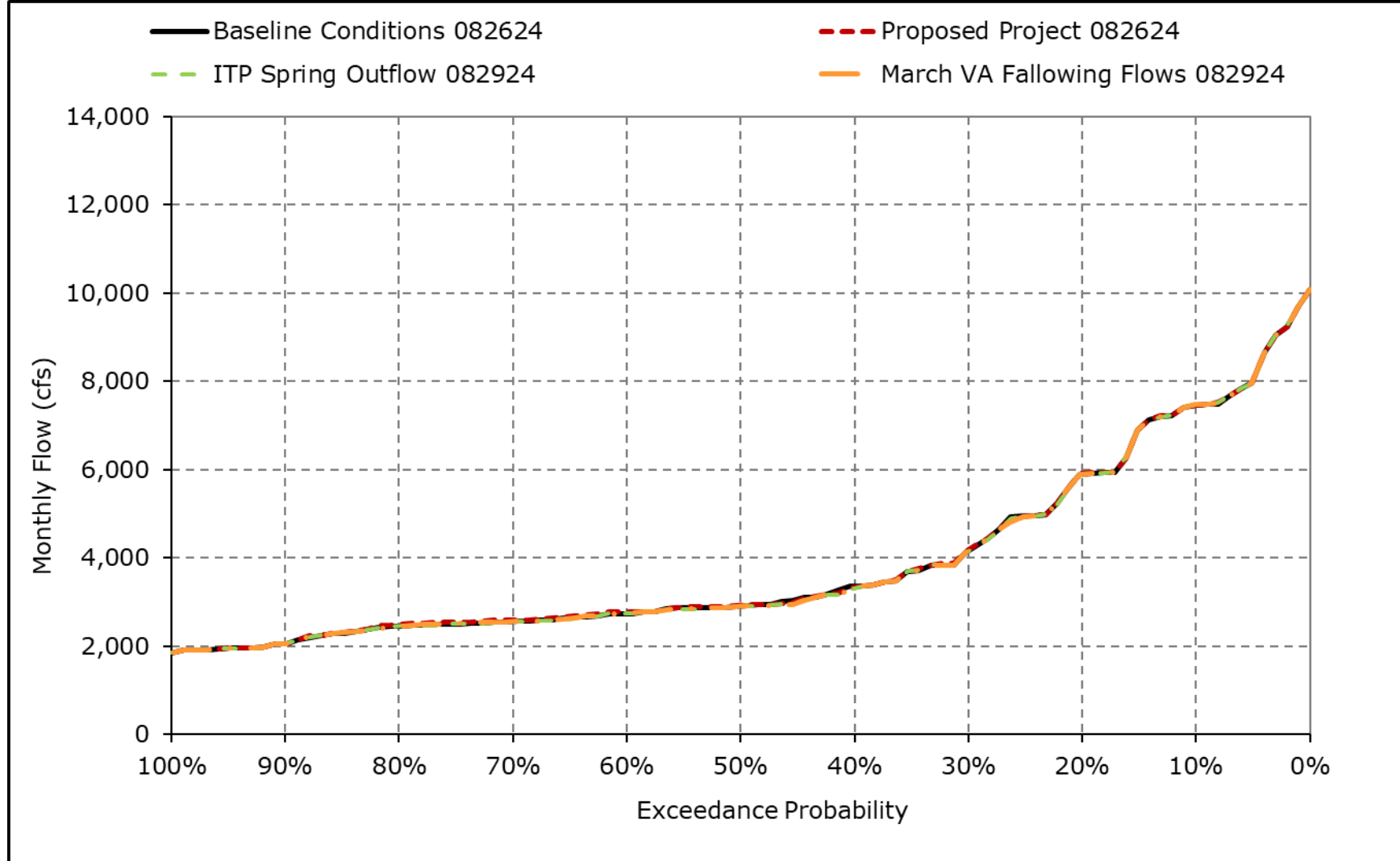
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



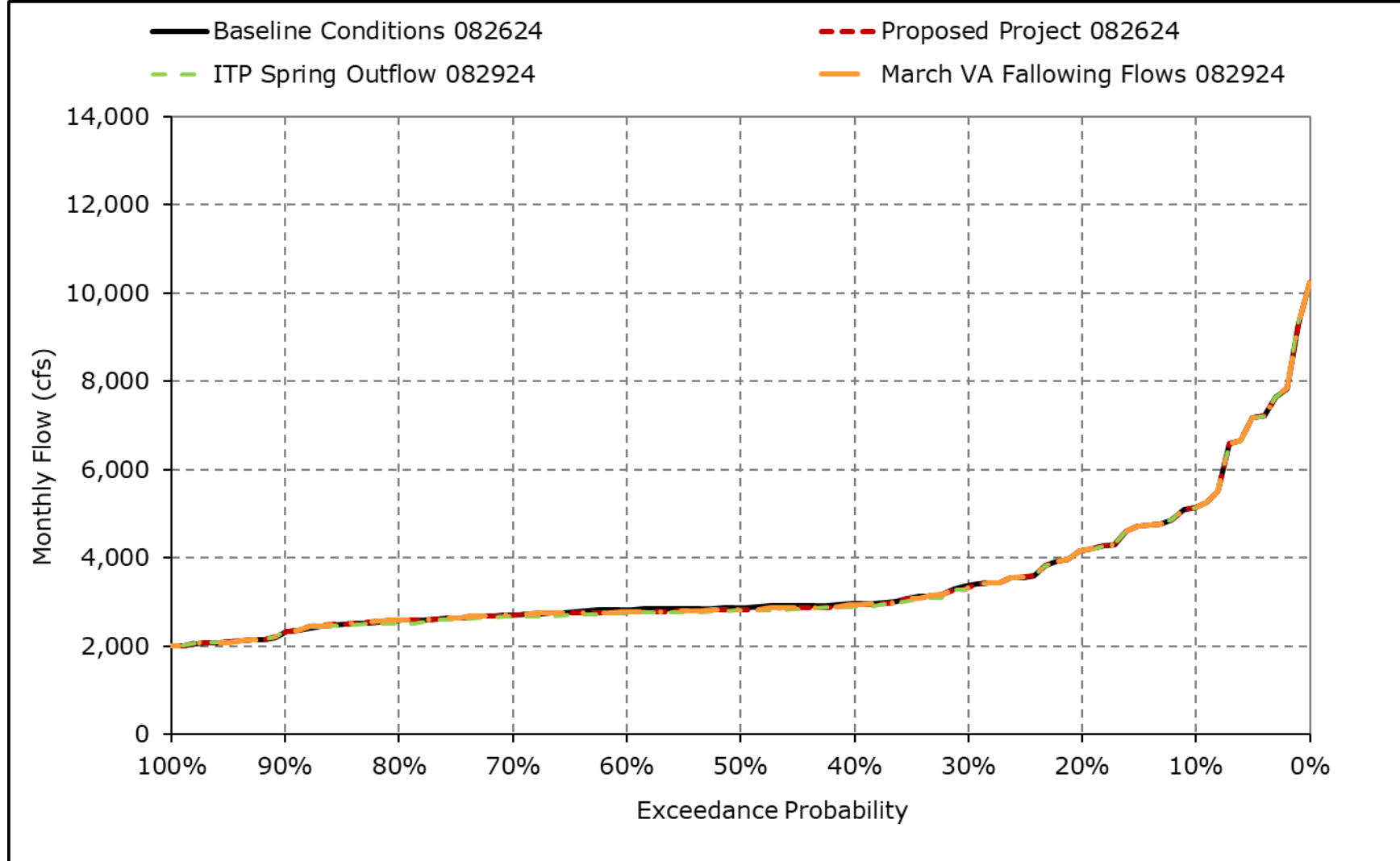
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



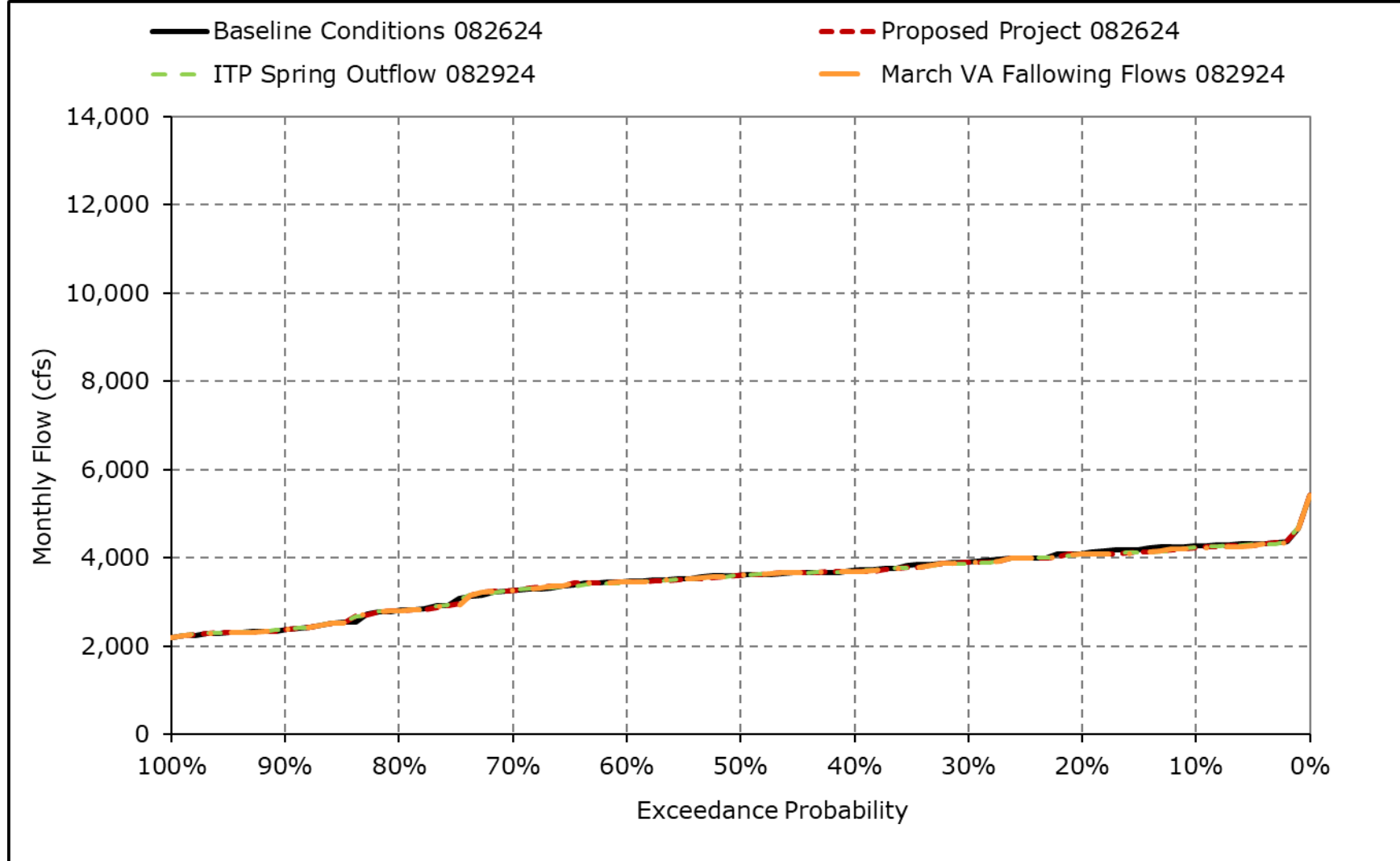
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



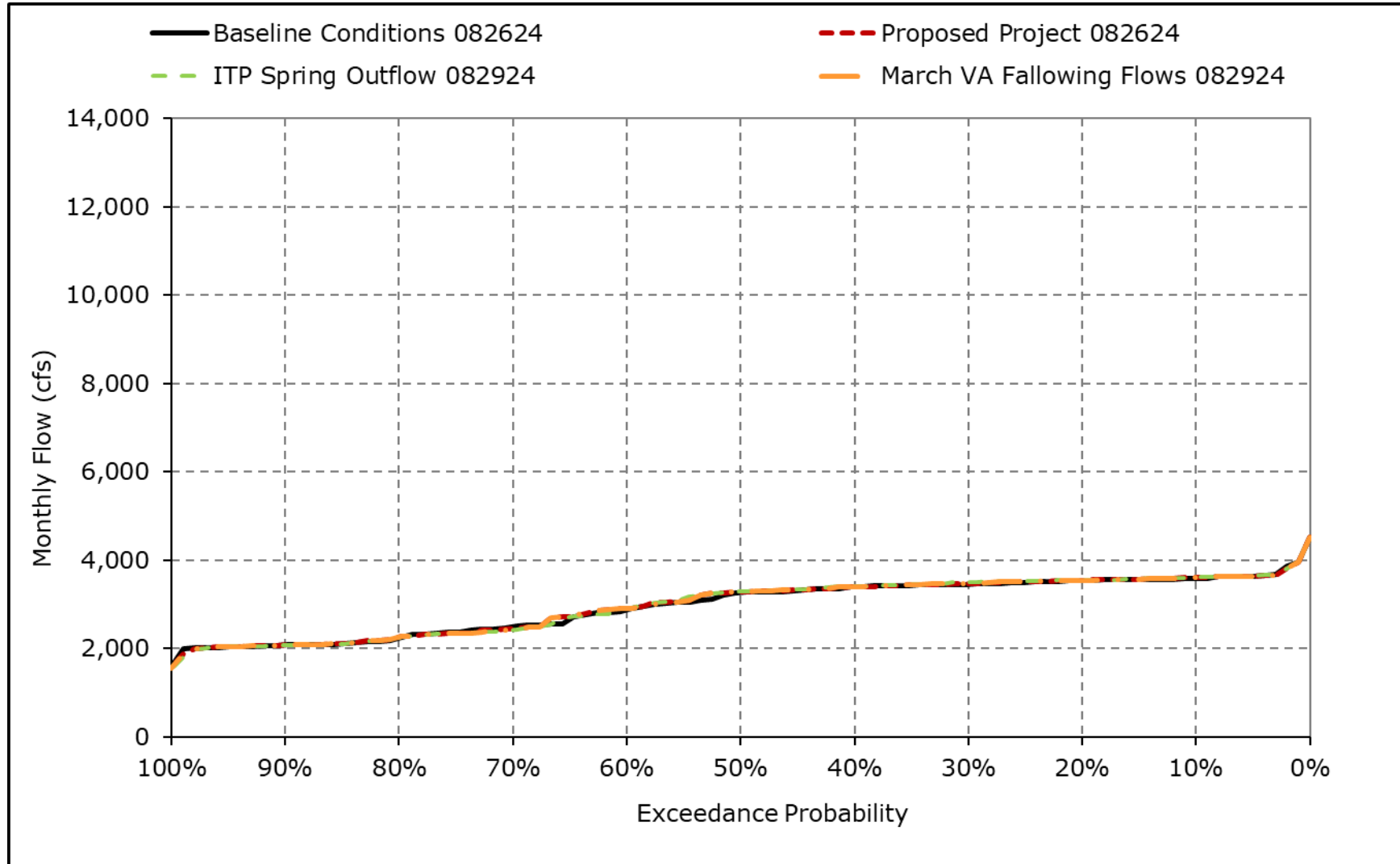
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



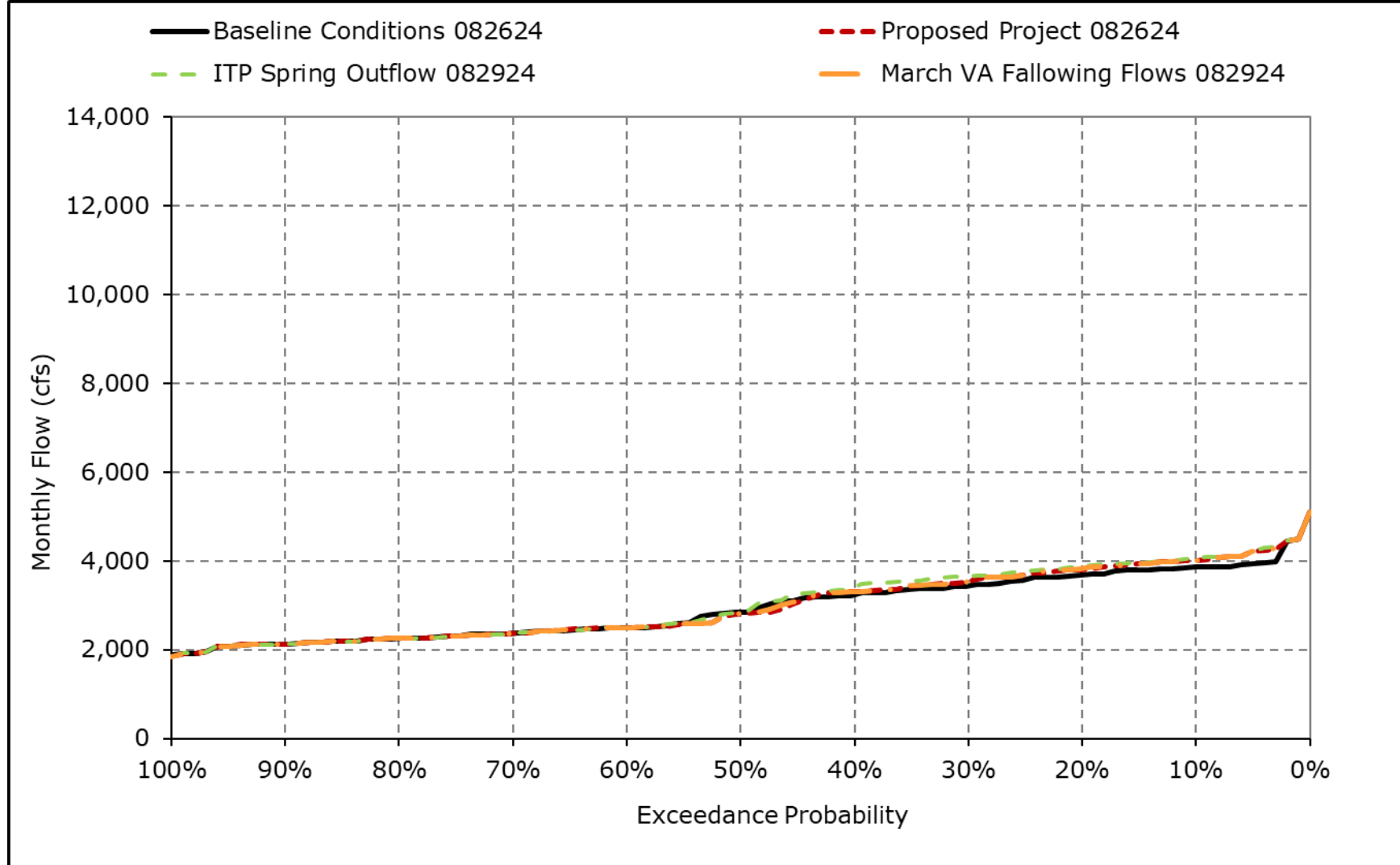
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



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

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



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

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

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

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

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

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

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

^a Based on the 100-year simulation period.

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

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

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

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

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

Table 4K-3-3-2b. Yolo Bypass Flow, ITP Spring Outflow 082924, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	185	832	11,216	40,608	48,356	36,012	3,606	1,609	543	325	274	307
20% Exceedance	124	373	6,530	13,993	17,566	9,302	1,728	875	380	259	202	279
30% Exceedance	111	256	1,656	5,514	10,585	5,567	861	536	313	251	192	265
40% Exceedance	91	176	847	2,844	6,459	2,900	605	405	245	247	188	254
50% Exceedance	79	138	451	1,465	3,059	1,619	332	303	235	243	183	243
60% Exceedance	67	124	275	784	1,914	879	294	263	226	235	180	234
70% Exceedance	55	102	165	377	734	478	271	245	221	233	176	220
80% Exceedance	49	86	110	222	348	294	242	227	209	224	171	209
90% Exceedance	43	74	88	127	188	105	220	201	202	207	162	187
Full Simulation Period Average ^a	131	440	3,760	11,904	15,111	10,486	2,719	748	354	254	260	250
Wet Water Years (32%)	212	909	8,942	31,372	38,470	28,224	7,501	1,452	614	312	239	289
Above Normal Water Years (9%)	79	349	2,762	13,047	11,211	8,381	955	656	277	240	177	235
Below Normal Water Years (20%)	119	194	1,359	2,095	5,722	2,232	595	620	247	204	181	234
Dry Water Years (21%)	97	260	1,199	775	2,320	933	338	298	225	243	182	240
Critical Water Years (18%)	64	136	704	608	888	322	241	208	201	225	522	214

Table 4K-3-3-2c. Yolo Bypass Flow, ITP Spring Outflow 082924 minus Baseline Conditions 082624, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	2	0	67	-22	-948	0	2	85	0	0	-2	-2
20% Exceedance	0	0	7	135	3	3	0	105	1	0	0	0
30% Exceedance	-1	0	0	0	0	-7	1	4	7	0	0	1
40% Exceedance	1	4	5	-2	-3	89	-1	11	1	0	0	0
50% Exceedance	0	-1	0	-1	-3	2	-4	10	0	0	1	0
60% Exceedance	0	0	0	0	-12	-1	0	2	0	0	1	0
70% Exceedance	1	0	-3	-6	0	0	0	0	0	0	1	2
80% Exceedance	0	3	0	0	-1	7	0	4	0	0	1	-1
90% Exceedance	-2	0	0	1	-2	0	0	0	0	0	2	3
Full Simulation Period Average ^a	0	-12	-14	-9	-73	-49	-7	14	1	0	19	0
Wet Water Years (32%)	1	-2	-40	-25	-139	-92	-23	-2	-1	0	0	-2
Above Normal Water Years (9%)	0	7	-28	-4	-161	-136	-1	0	0	0	0	-10
Below Normal Water Years (20%)	0	-1	12	-3	-54	-2	0	74	5	0	7	2
Dry Water Years (21%)	0	-57	-7	-1	-13	-35	0	1	0	0	0	4
Critical Water Years (18%)	0	1	1	0	0	0	0	0	0	0	96	4

^a Based on the 100-year simulation period.

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

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

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

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

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

Table 4K-3-3-3b. Yolo Bypass Flow, March VA Following Flows 082924, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	185	832	11,096	40,374	49,638	36,077	3,605	1,608	542	325	274	308
20% Exceedance	124	372	6,524	13,880	17,561	9,355	1,730	875	380	259	202	280
30% Exceedance	112	256	1,656	5,515	10,584	5,567	861	536	306	251	192	265
40% Exceedance	91	175	845	2,845	6,460	2,866	606	405	243	248	188	254
50% Exceedance	79	138	451	1,471	3,024	1,619	332	302	234	243	183	243
60% Exceedance	67	124	275	785	1,914	878	294	263	226	235	180	234
70% Exceedance	55	102	165	381	734	478	271	245	221	233	176	220
80% Exceedance	49	86	109	222	349	294	242	227	209	224	171	209
90% Exceedance	42	74	88	127	188	105	220	201	202	207	162	187
Full Simulation Period Average ^a	131	439	3,767	11,909	15,191	10,524	2,720	747	354	254	256	249
Wet Water Years (32%)	212	906	8,961	31,385	38,705	28,306	7,502	1,452	614	313	239	289
Above Normal Water Years (9%)	79	349	2,747	13,047	11,319	8,508	954	656	277	241	177	235
Below Normal Water Years (20%)	119	194	1,366	2,094	5,693	2,232	595	618	243	204	181	234
Dry Water Years (21%)	97	260	1,203	777	2,323	933	338	298	225	243	182	240
Critical Water Years (18%)	64	135	704	608	888	322	241	208	201	225	496	213

Table 4K-3-3-3c. Yolo Bypass Flow, March VA Following Flows 082924 minus Baseline Conditions 082624, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1	0	-53	-256	334	64	1	84	0	0	-1	-1
20% Exceedance	0	-1	1	22	-2	56	2	105	1	0	0	0
30% Exceedance	-1	0	0	1	0	-8	0	3	0	0	0	1
40% Exceedance	1	3	2	-1	-2	55	-1	11	-1	0	0	0
50% Exceedance	0	-1	0	5	-38	2	-4	10	-1	0	1	0
60% Exceedance	0	0	0	0	-12	-2	0	2	0	0	1	0
70% Exceedance	1	0	-3	-3	0	0	0	0	0	0	1	2
80% Exceedance	0	3	0	0	0	7	0	4	0	0	1	-1
90% Exceedance	-2	0	0	0	-2	0	0	0	0	0	2	3
Full Simulation Period Average ^a	0	-13	-7	-4	7	-12	-7	14	0	0	14	0
Wet Water Years (32%)	1	-5	-21	-11	96	-9	-21	-2	-1	0	0	-3
Above Normal Water Years (9%)	0	7	-43	-4	-53	-9	-2	0	0	1	0	-10
Below Normal Water Years (20%)	0	-1	20	-4	-83	-2	0	72	0	0	7	2
Dry Water Years (21%)	0	-57	-3	1	-10	-35	0	1	0	0	0	5
Critical Water Years (18%)	0	1	0	0	0	0	0	0	0	0	70	3

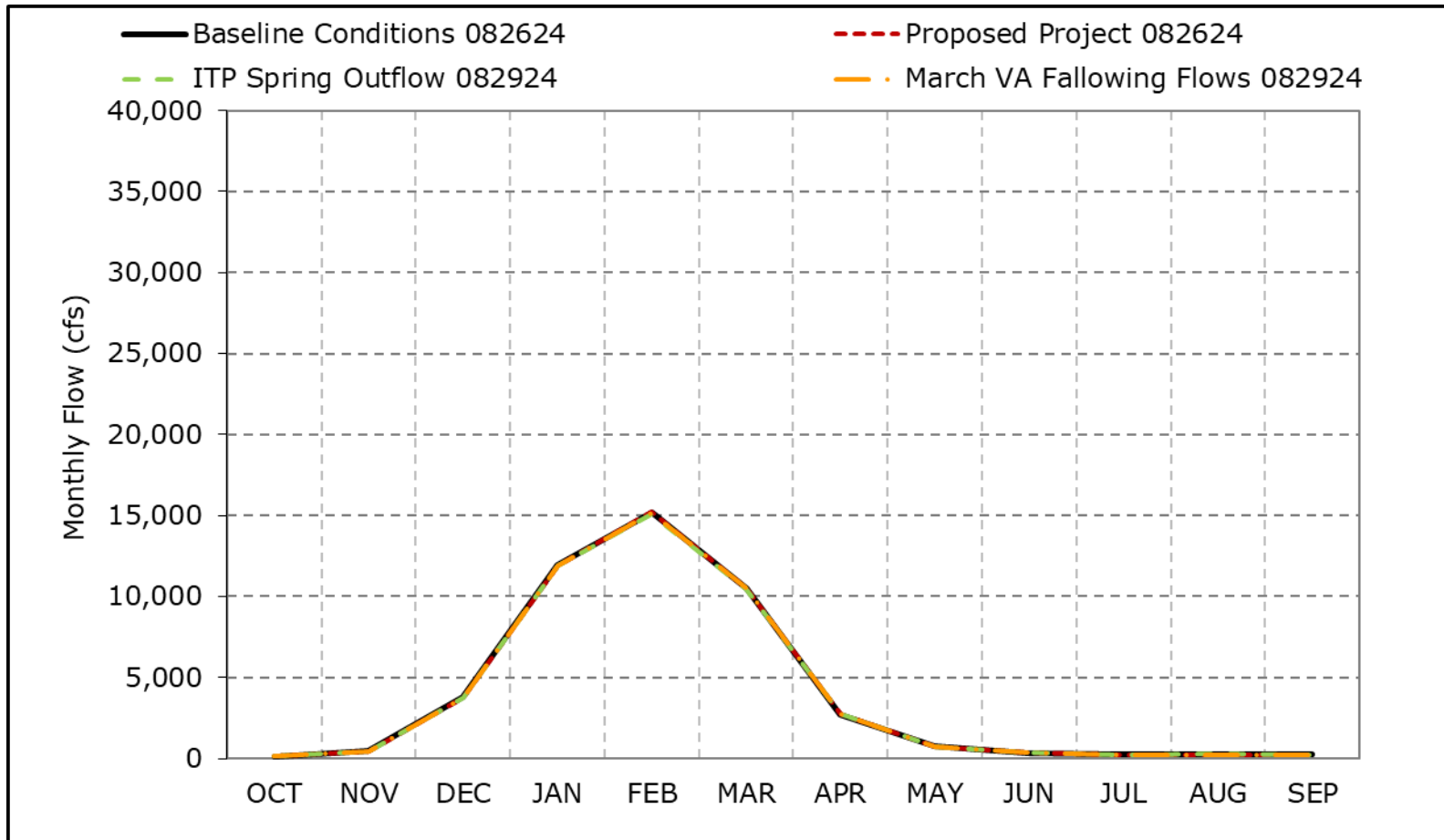
^a Based on the 100-year simulation period.

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

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

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

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

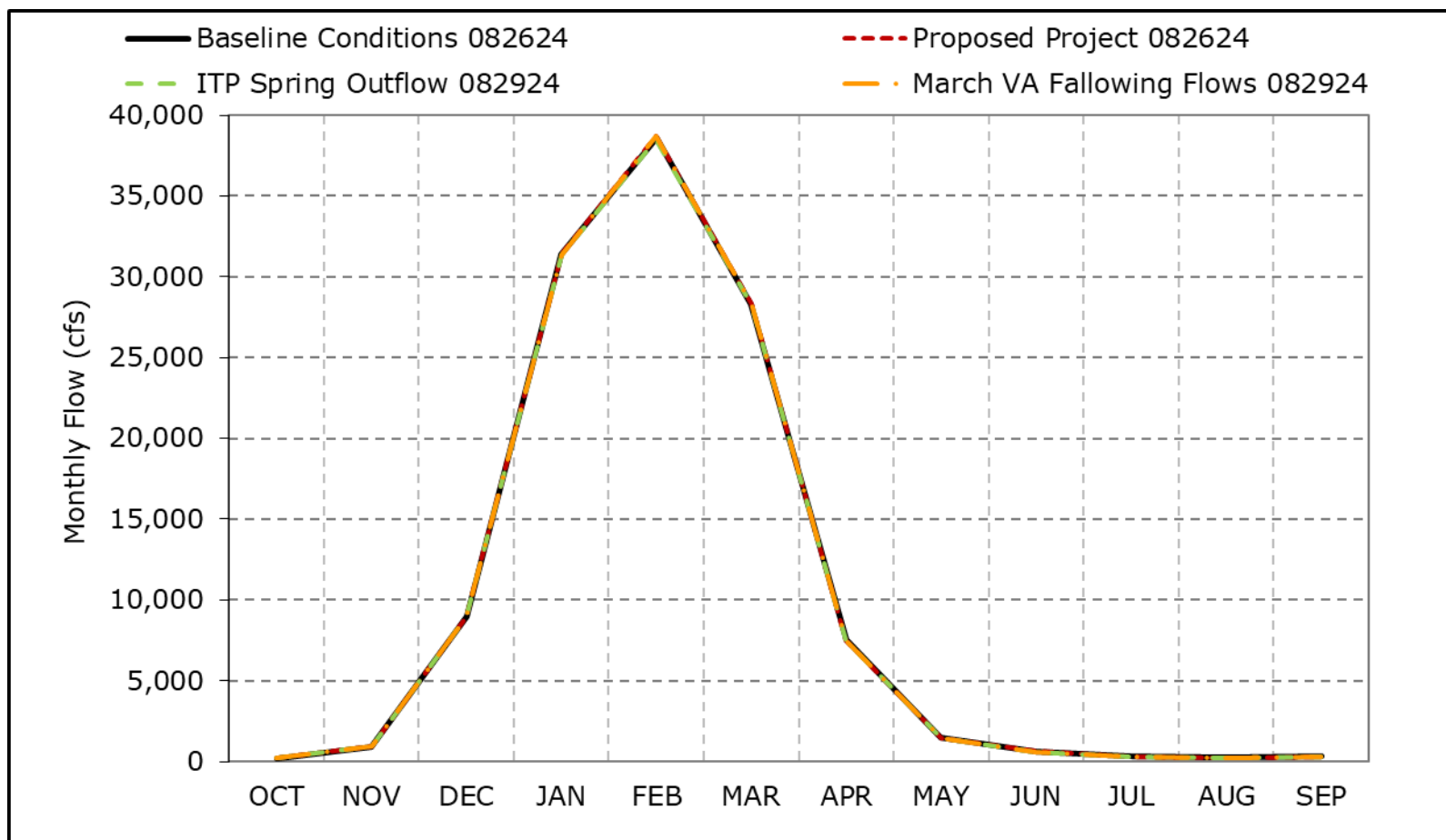


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*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 4K-3-3b. Yolo Bypass Flow, Wet Year Average Flow

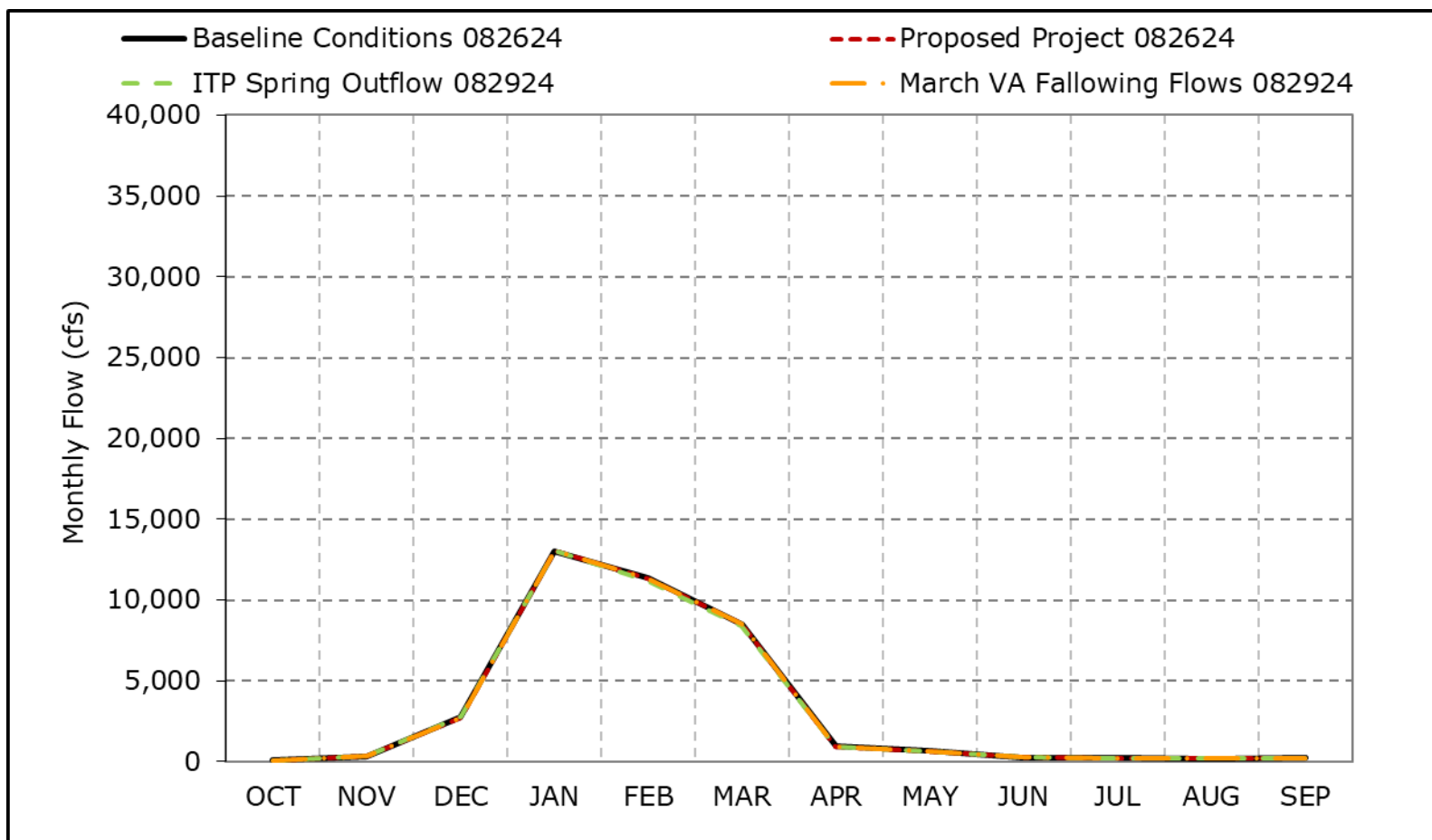


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*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 4K-3-3c. Yolo Bypass Flow, Above Normal Year Average Flow

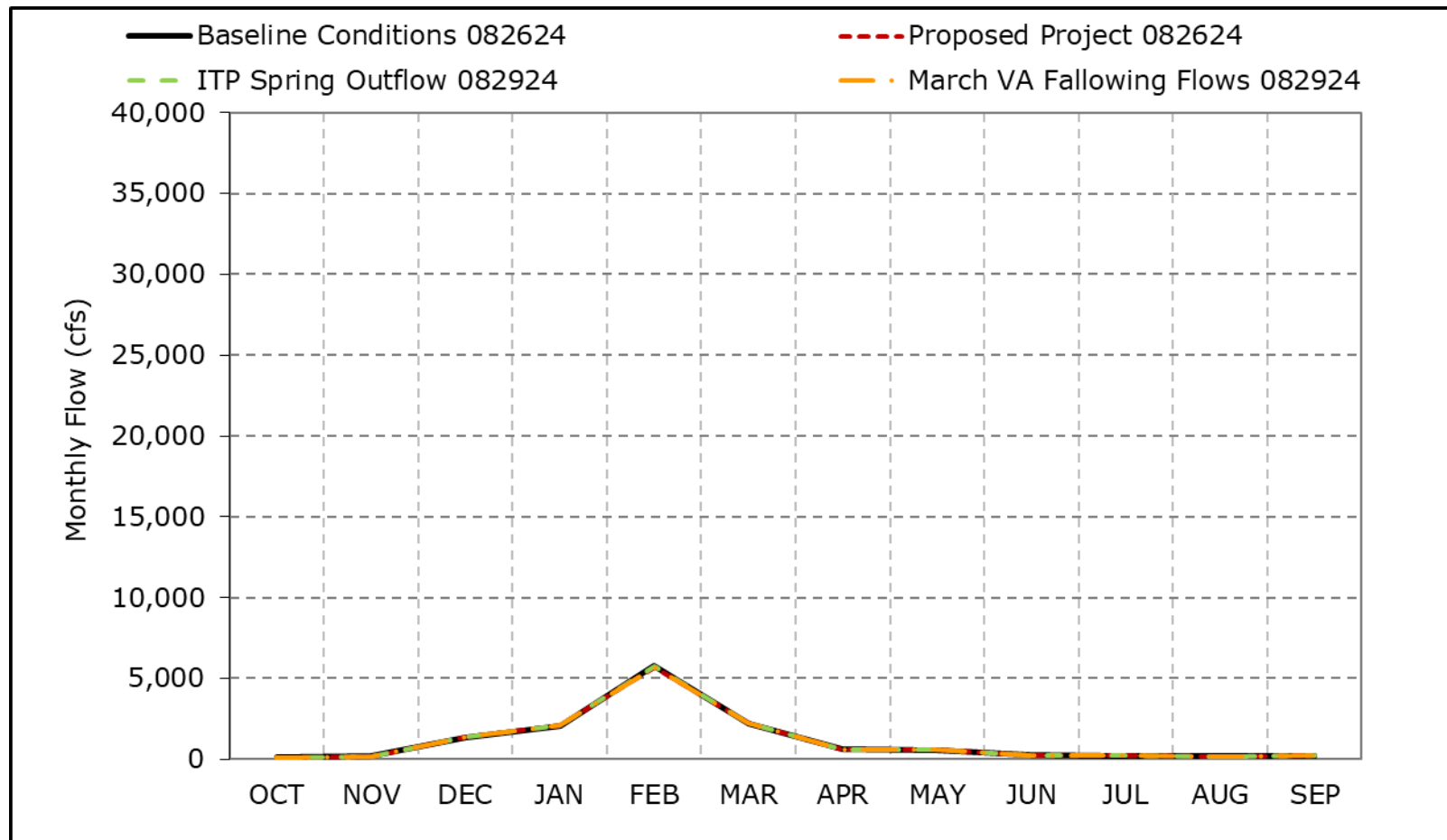


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*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 4K-3-3d. Yolo Bypass Flow, Below Normal Year Average Flow

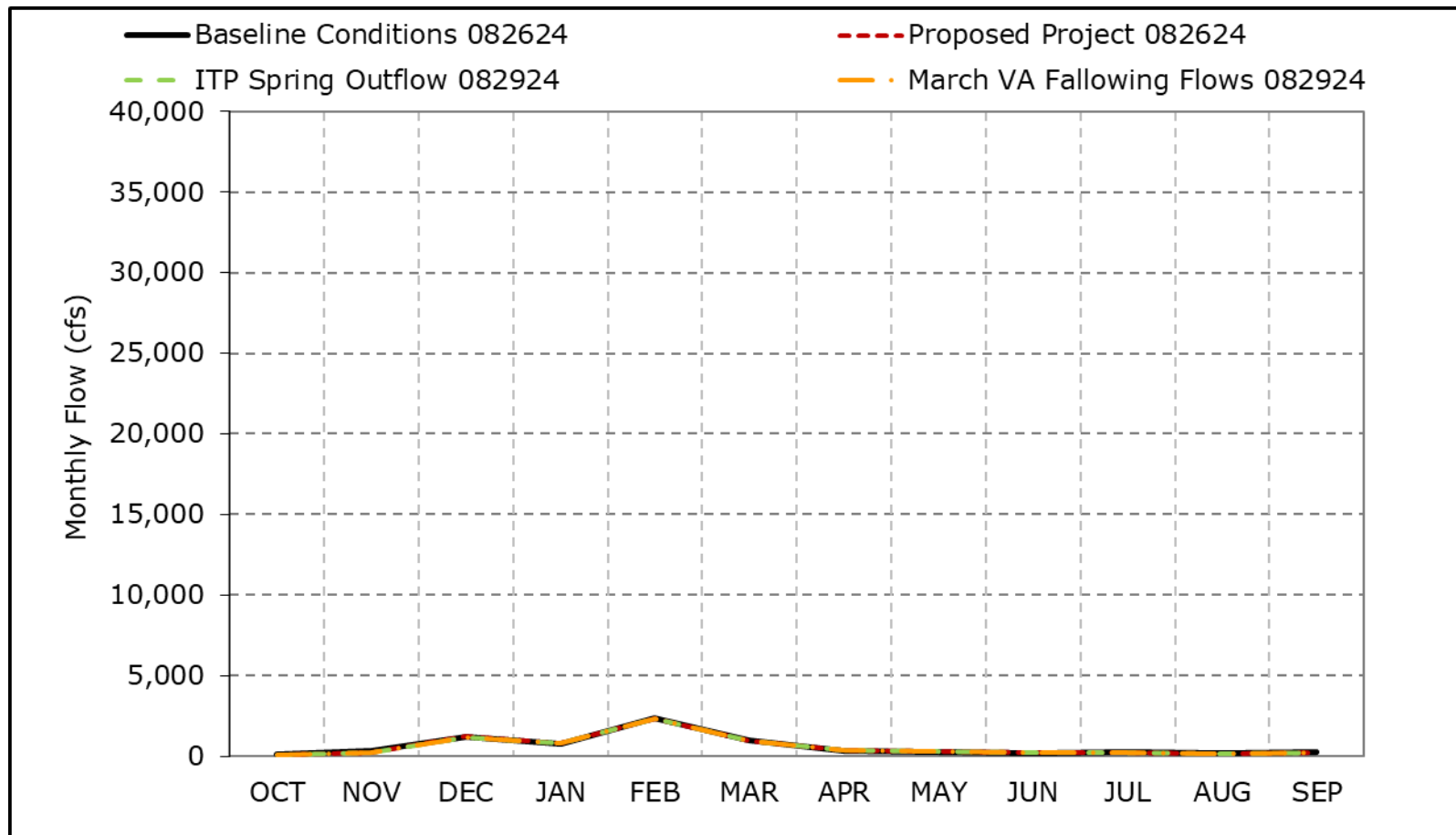


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*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 4K-3-3e. Yolo Bypass Flow, Dry Year Average Flow

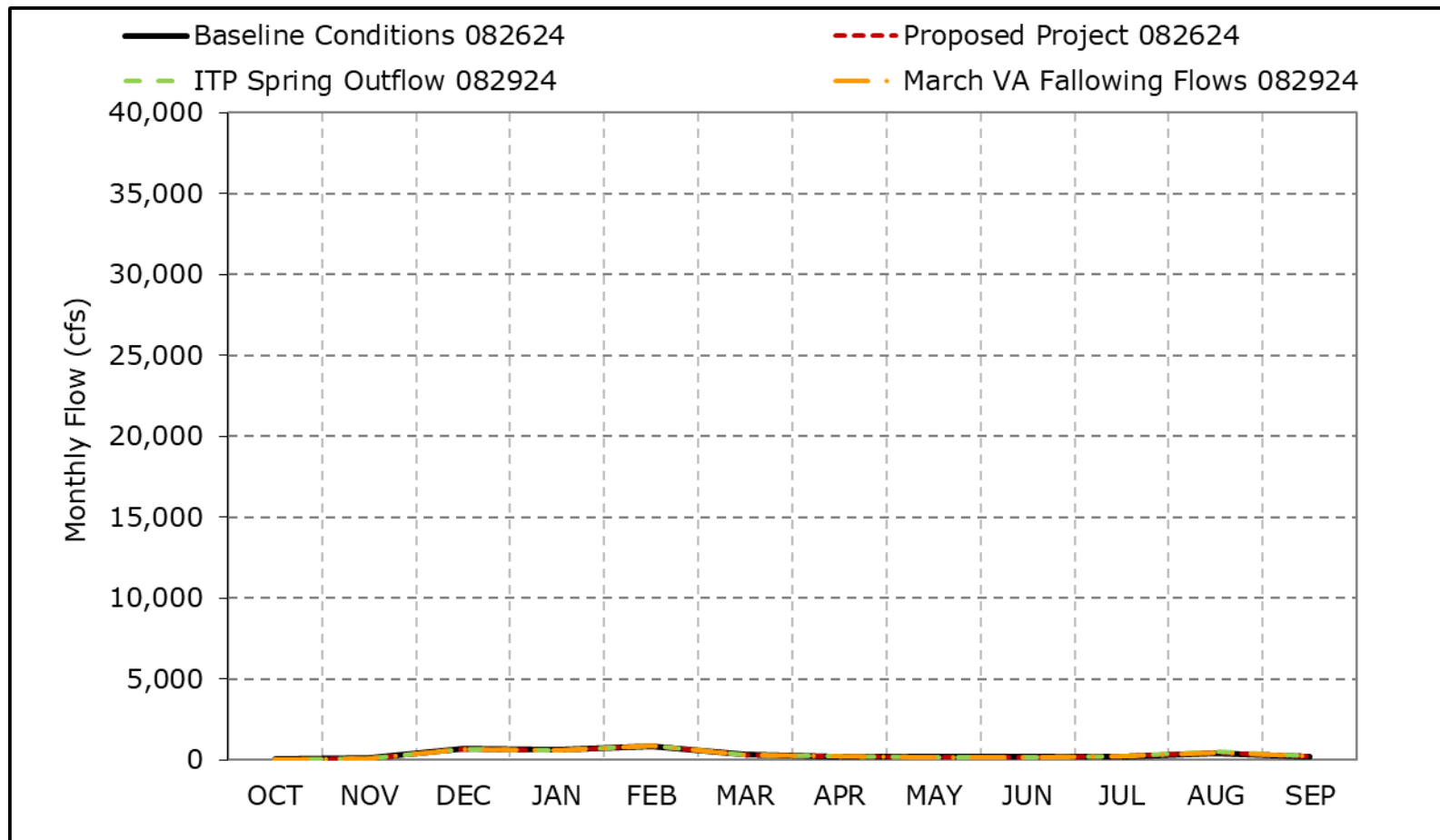


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*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 4K-3-3f. Yolo Bypass Flow, Critical Year Average Flow

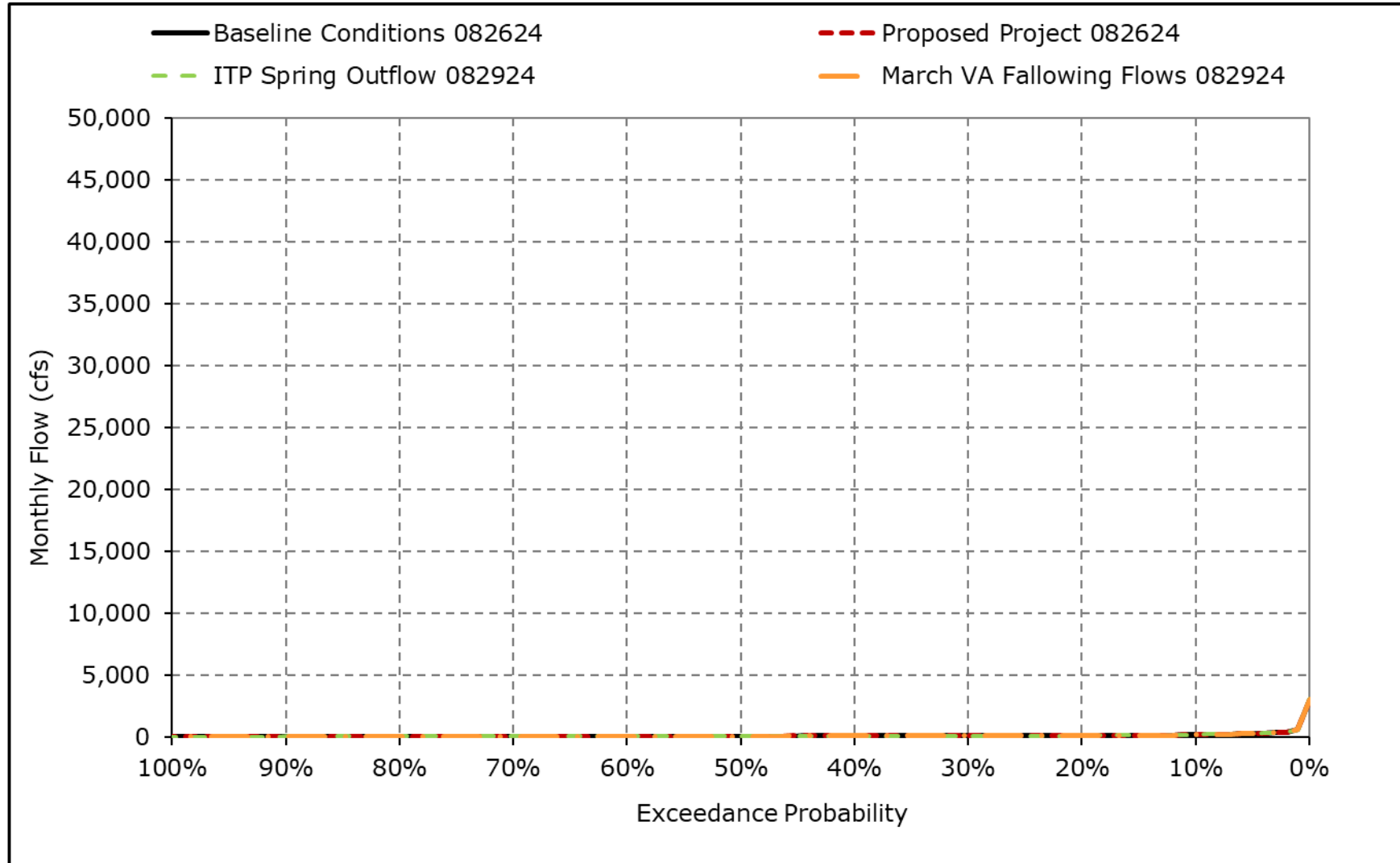


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

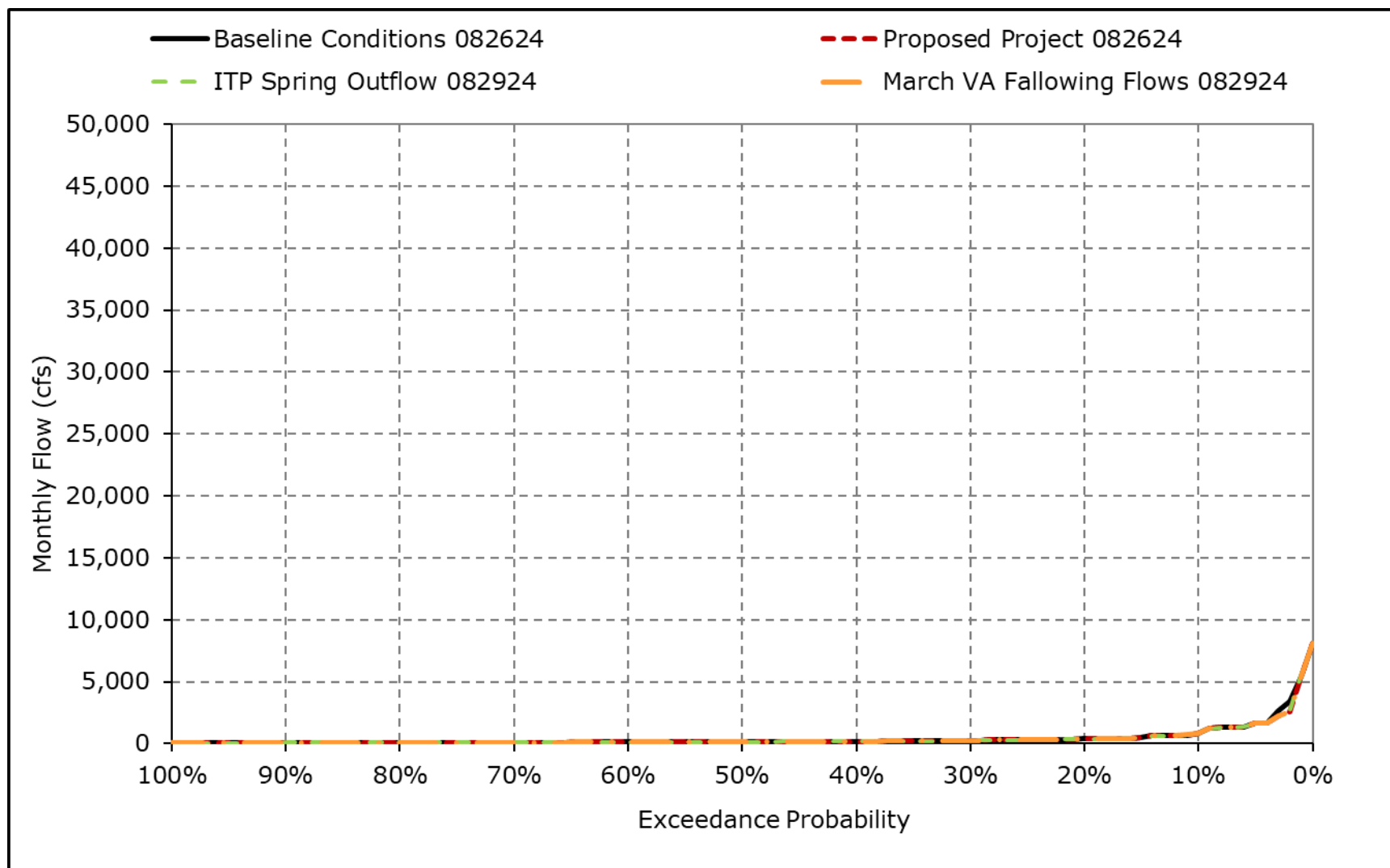
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



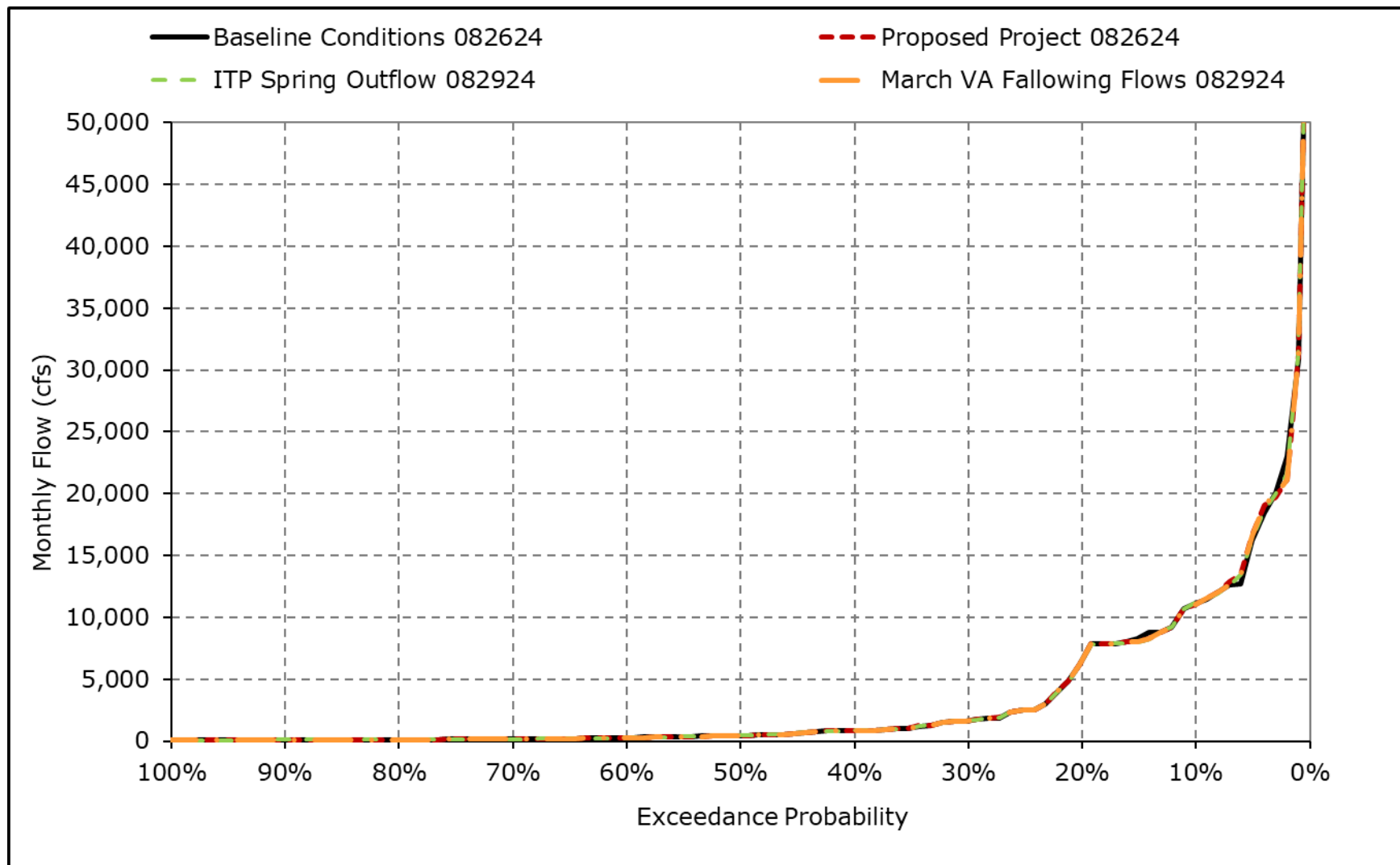
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



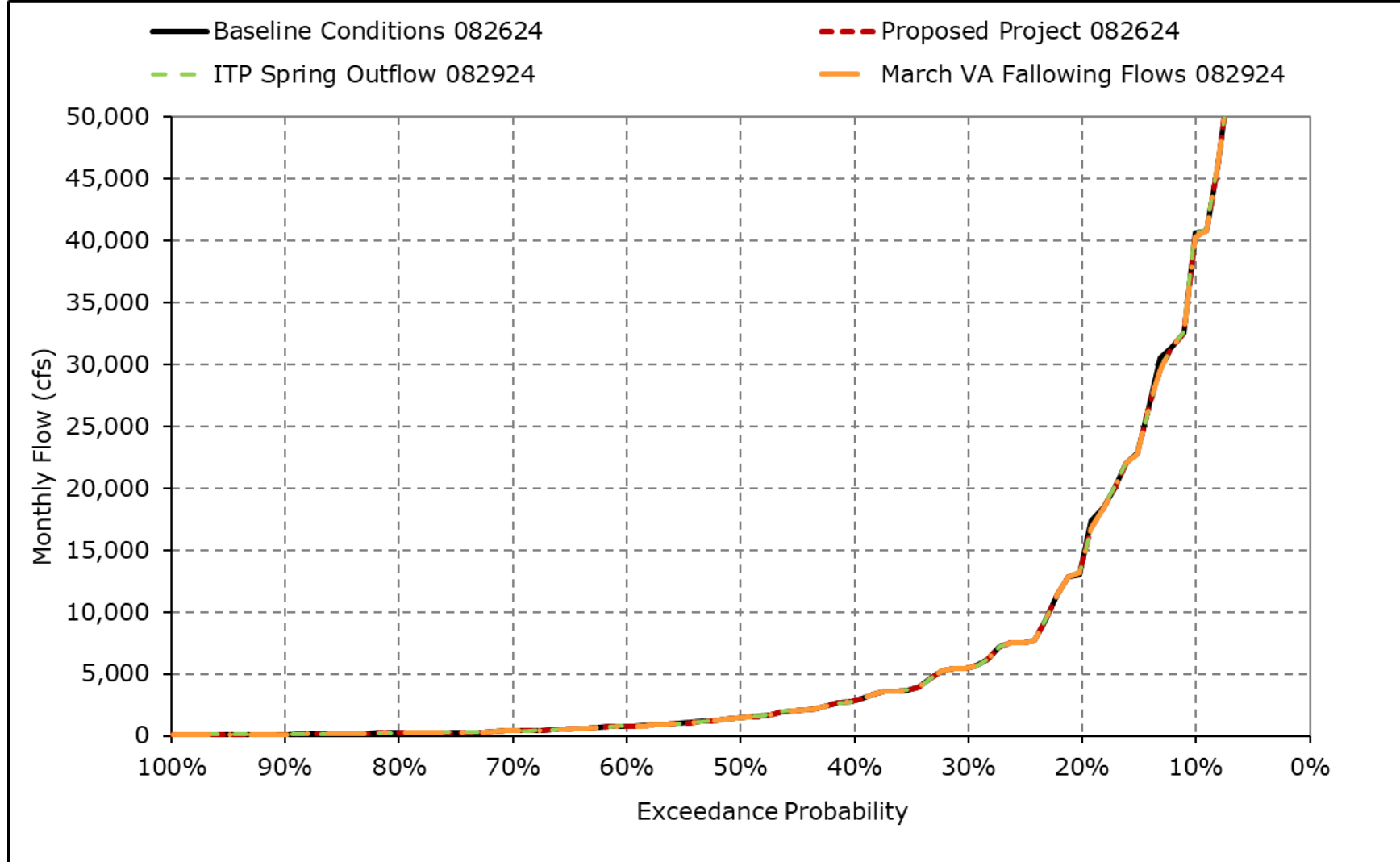
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



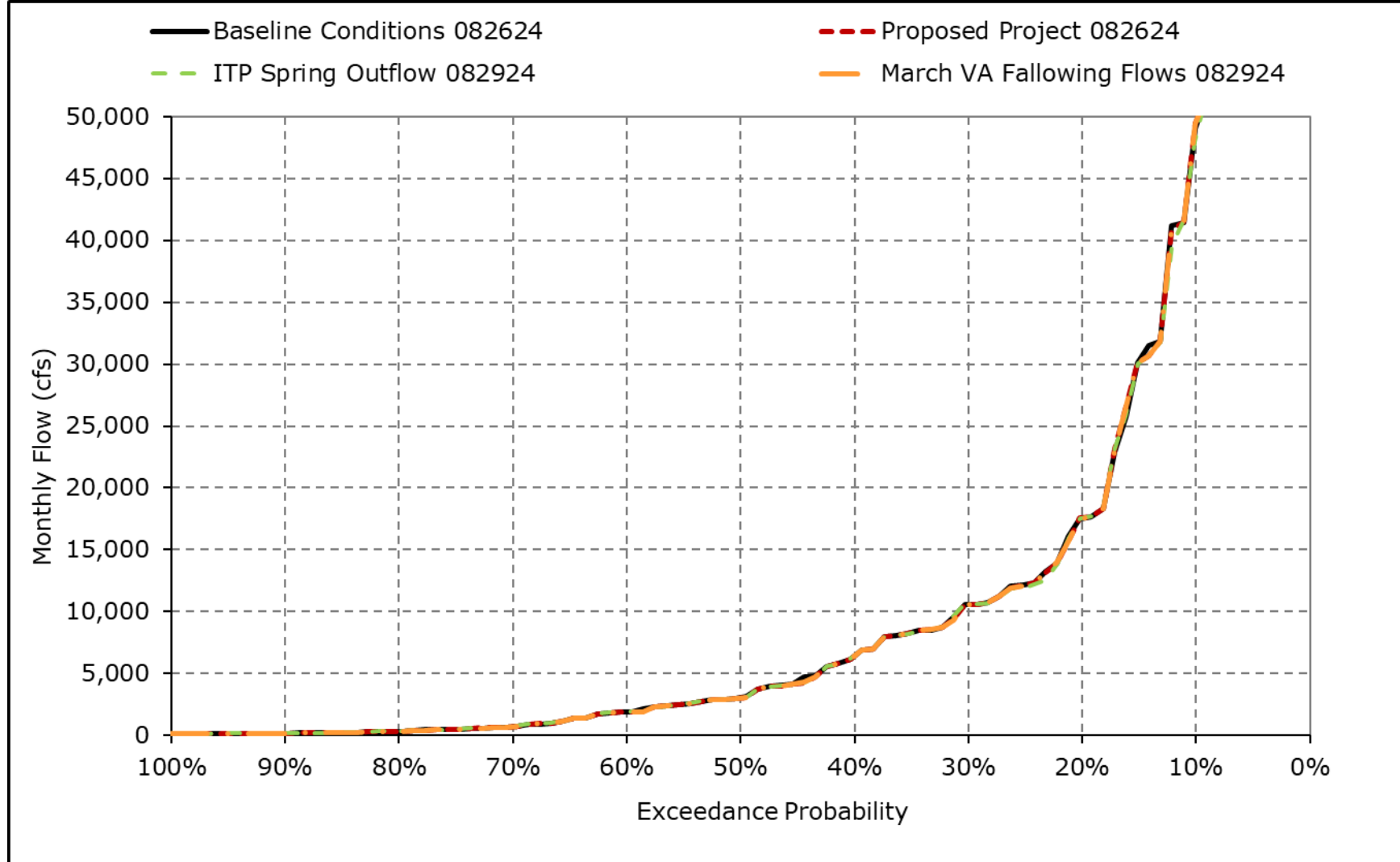
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



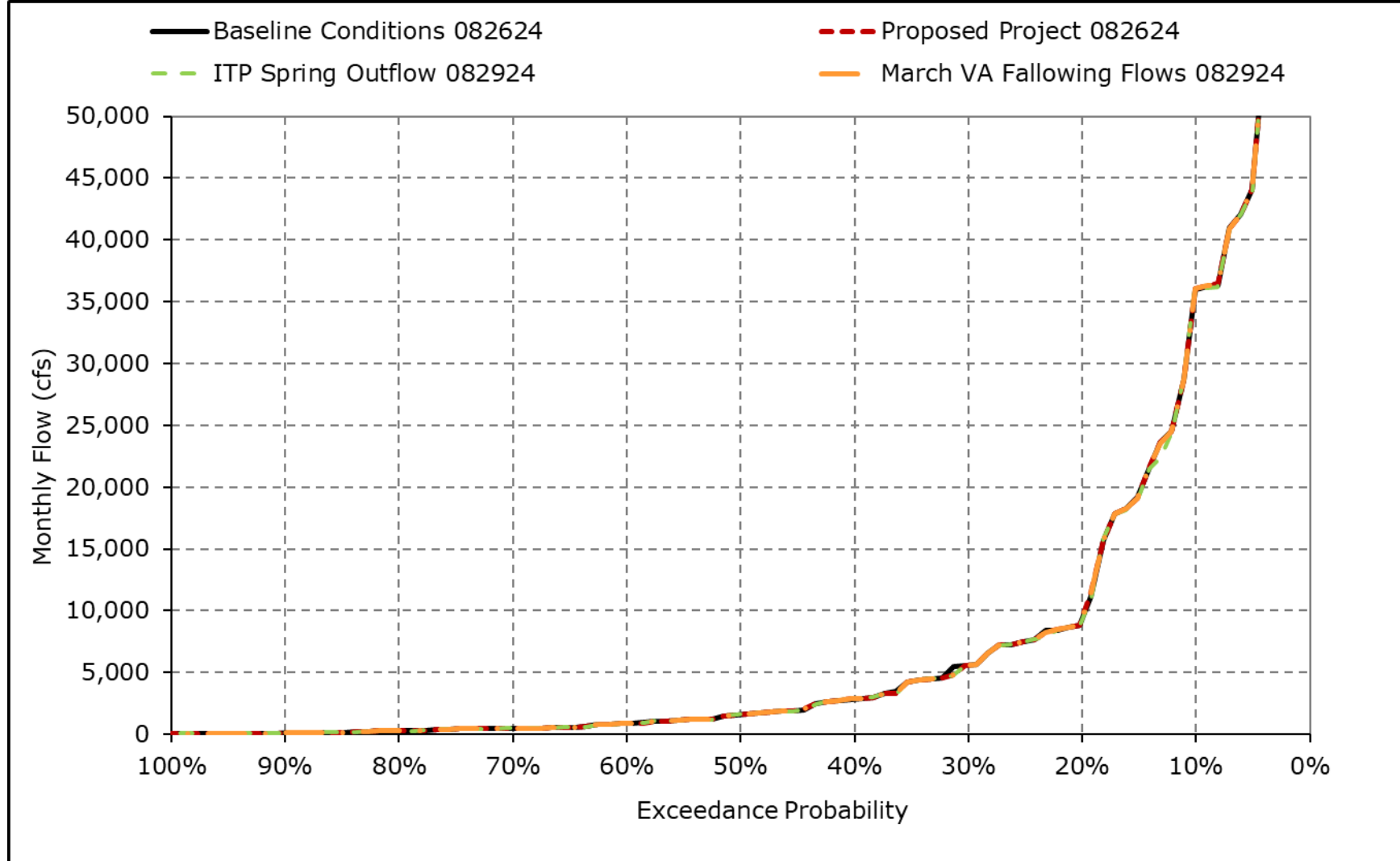
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



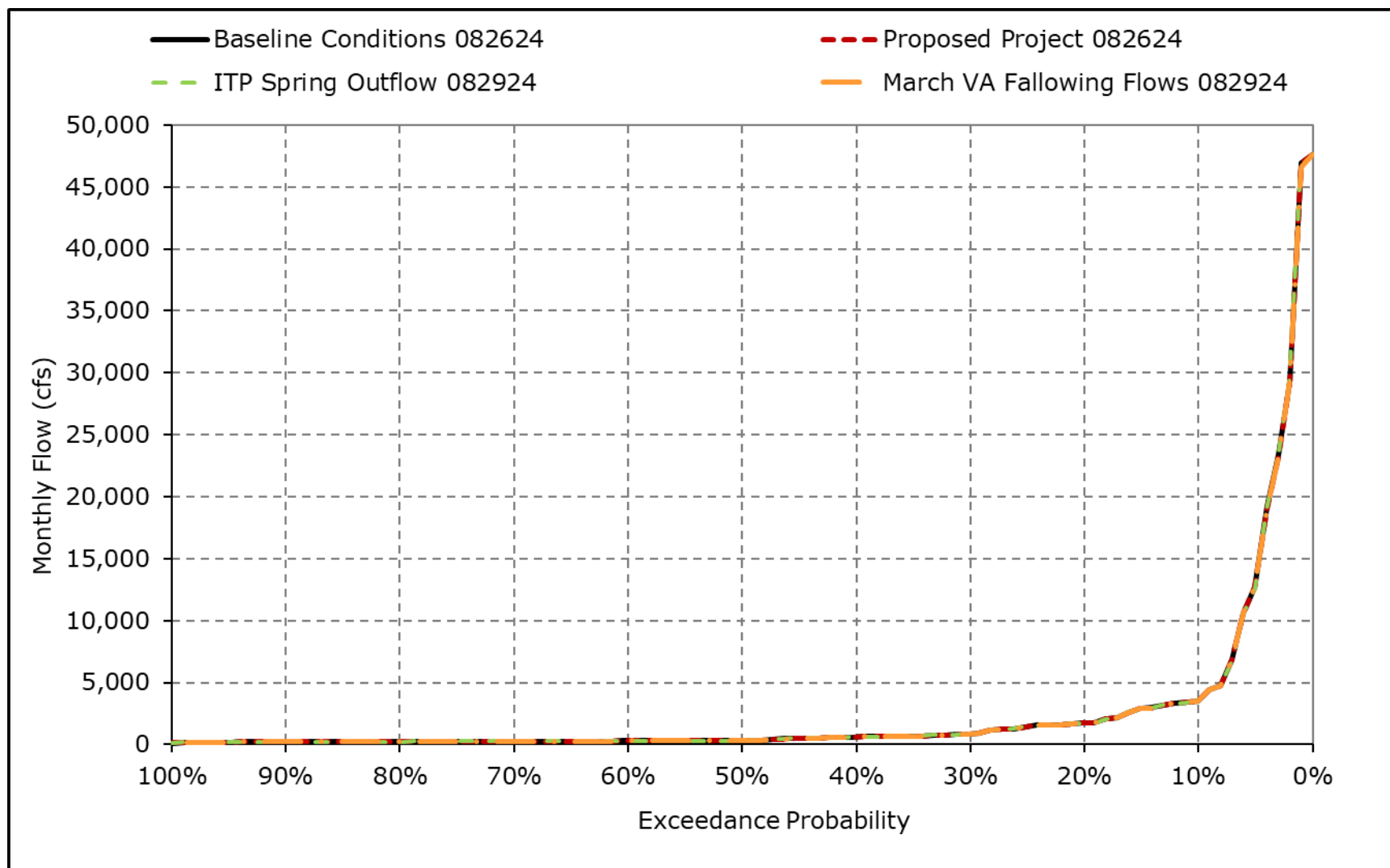
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



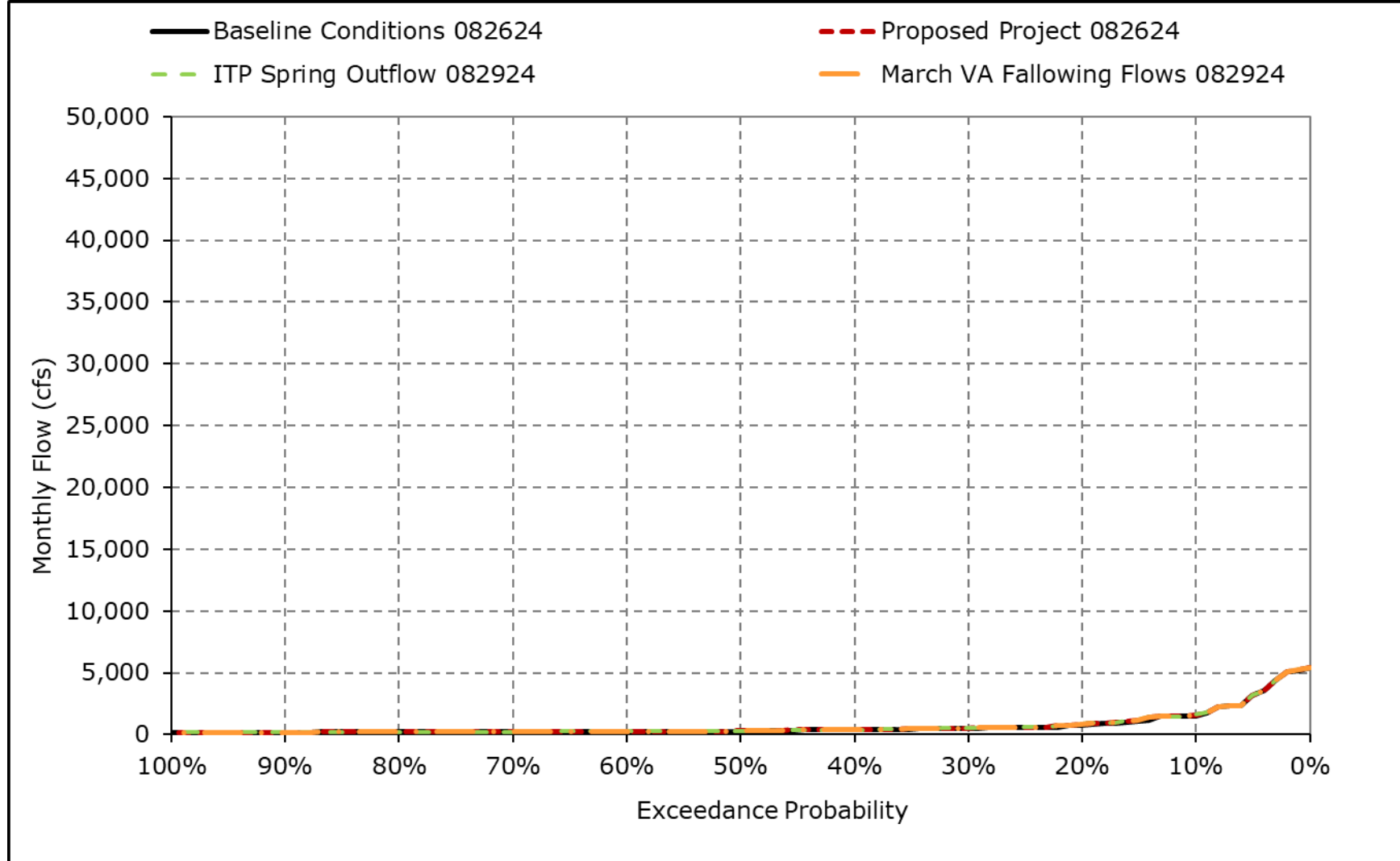
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



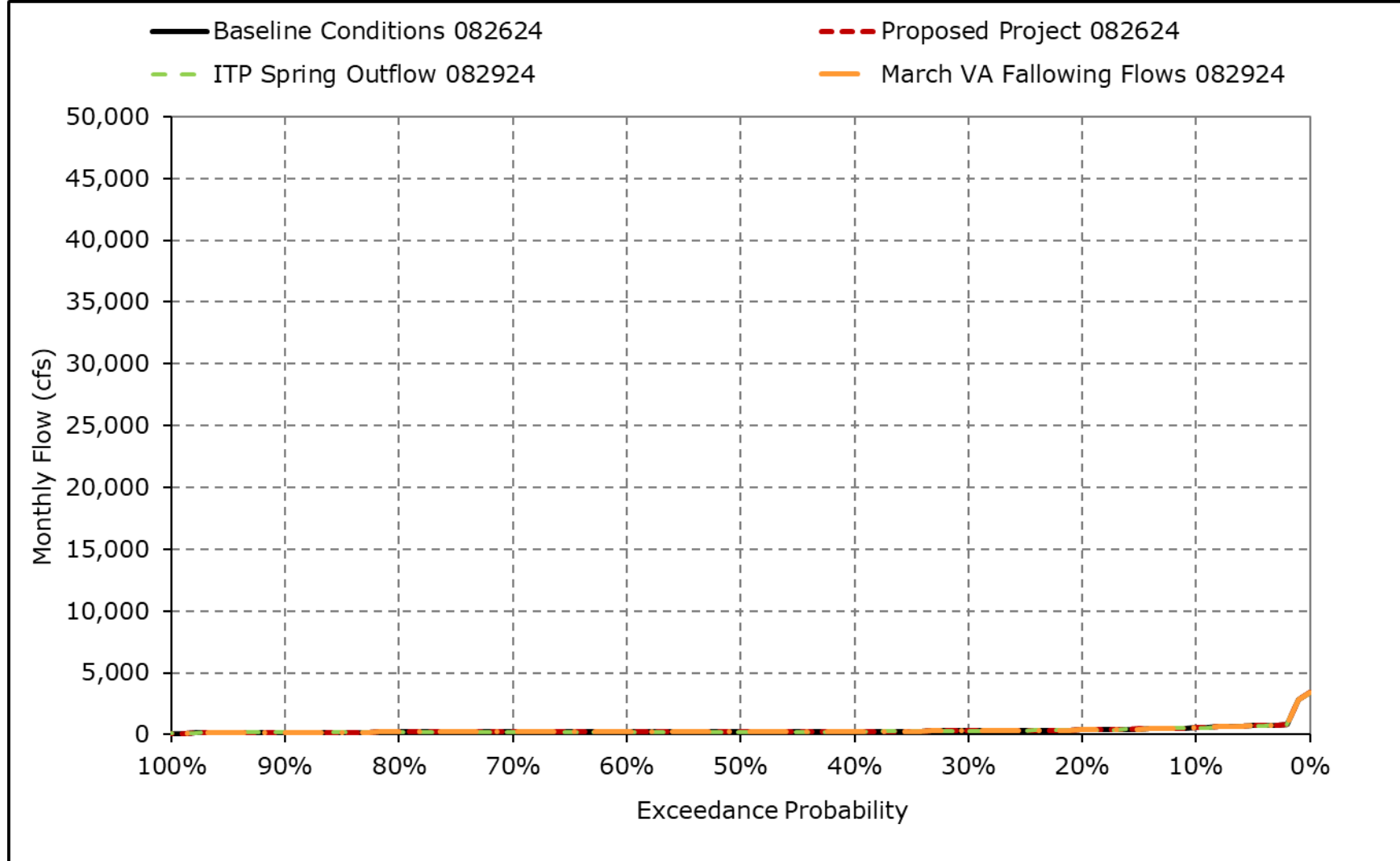
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



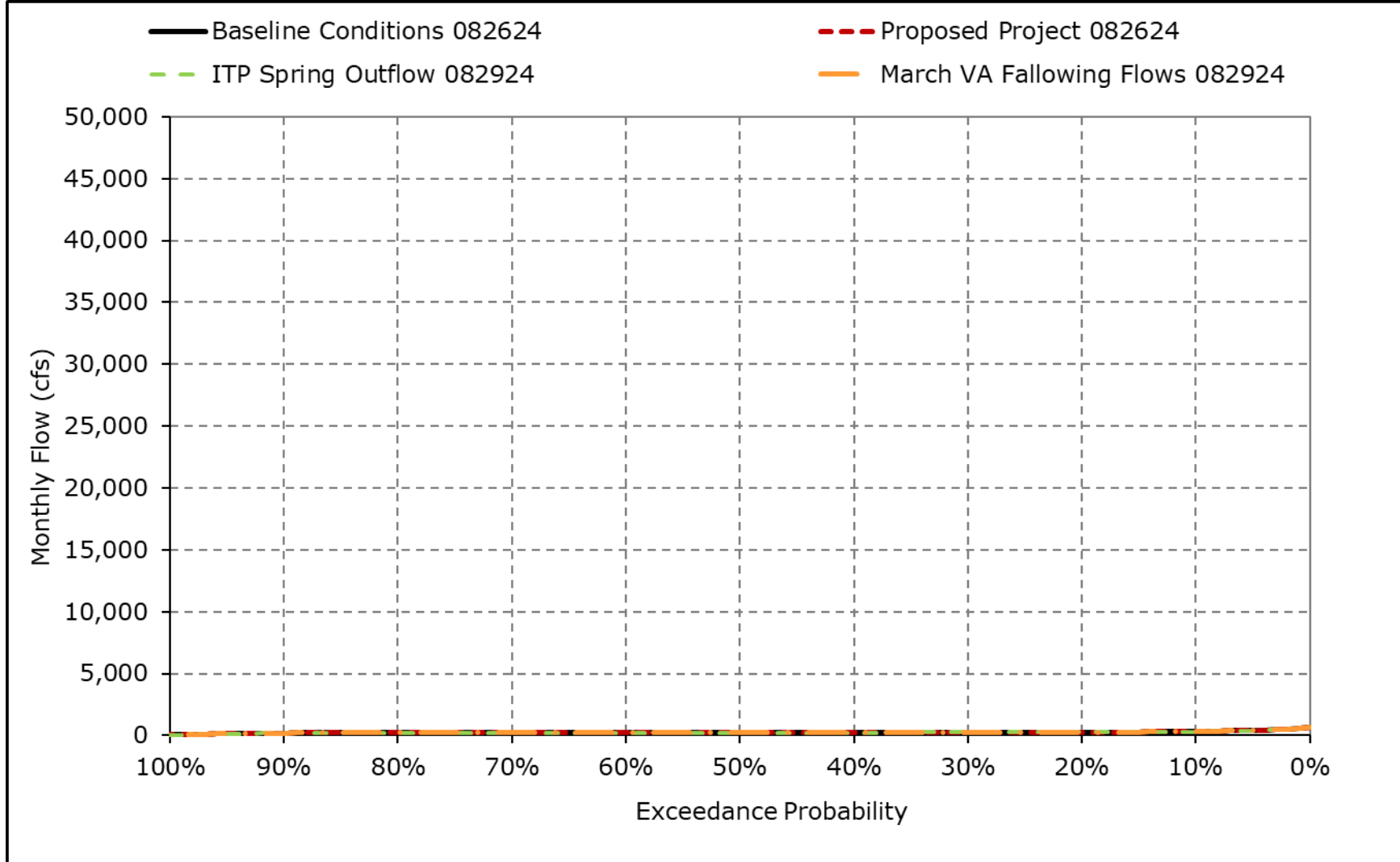
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



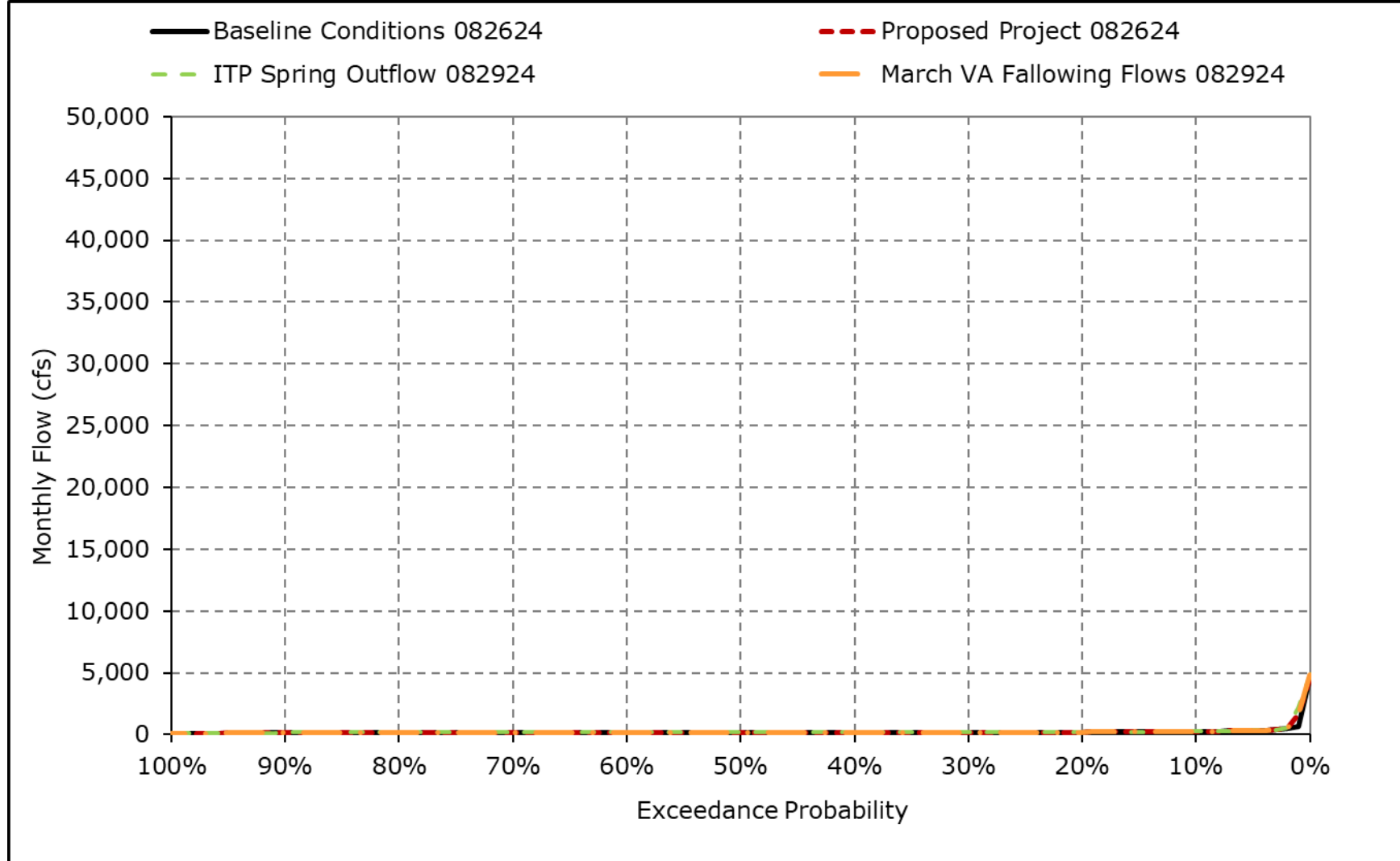
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



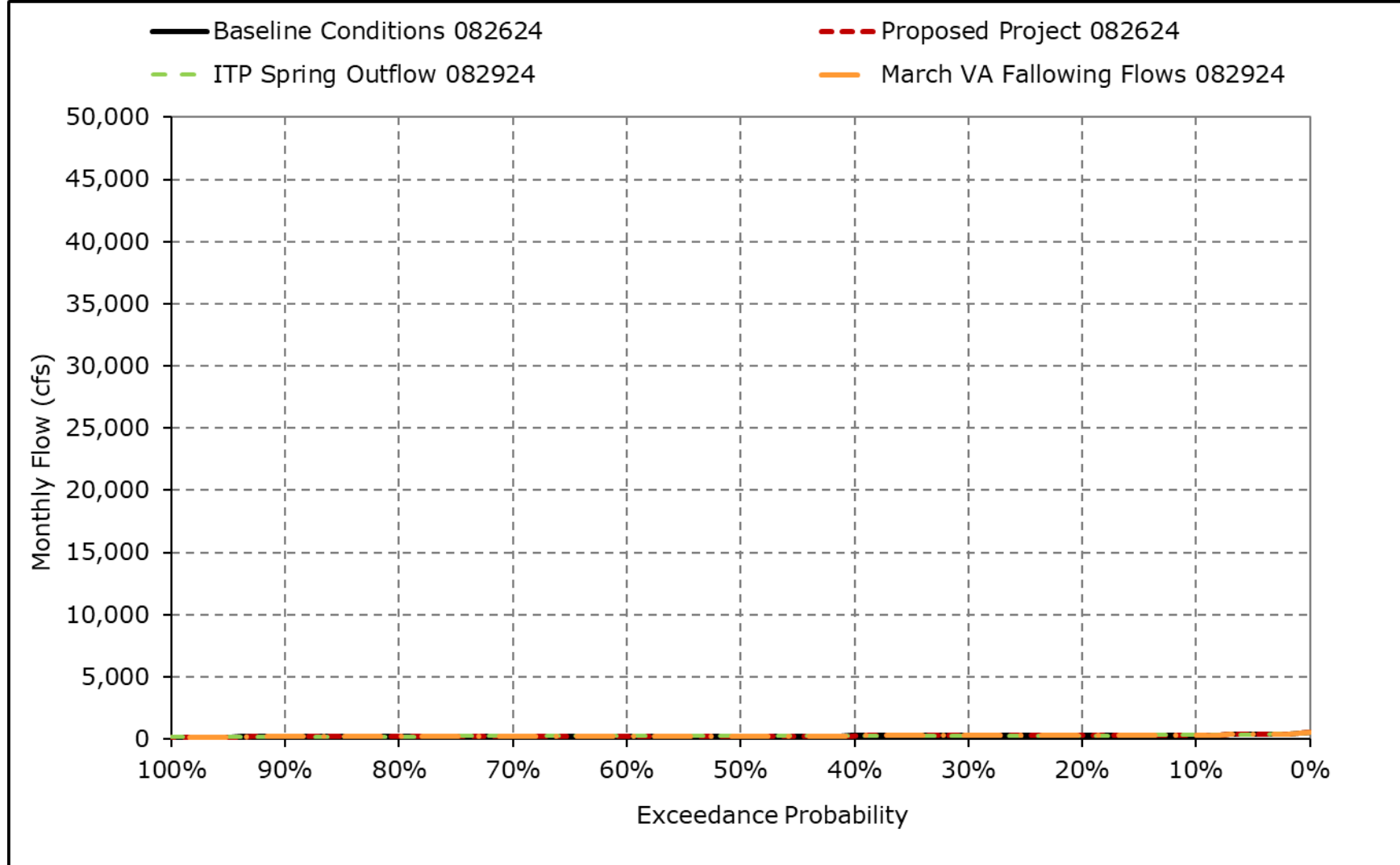
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



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

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



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

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

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

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

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

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

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

^a Based on the 100-year simulation period.

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

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

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

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

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

Table 4K-3-4-2b. Sacramento River Flow at Rio Vista, ITP Spring Outflow 082924, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	10,492	15,701	50,799	95,832	105,690	92,571	50,721	39,997	24,021	13,379	10,544	13,055
20% Exceedance	9,023	9,558	36,319	62,784	67,475	55,307	32,941	29,073	13,658	12,627	10,303	12,229
30% Exceedance	7,810	8,677	20,098	35,035	52,919	43,996	21,367	18,098	9,665	11,719	10,056	11,161
40% Exceedance	7,013	8,221	14,682	25,479	38,642	33,031	16,118	12,869	7,391	10,960	9,655	9,910
50% Exceedance	5,848	7,864	12,780	19,247	27,548	23,881	13,168	10,179	6,892	10,412	9,026	7,456
60% Exceedance	4,785	7,014	10,870	14,578	22,679	19,049	9,103	9,273	6,661	9,694	7,245	5,635
70% Exceedance	4,123	5,675	8,716	10,791	16,591	16,516	8,400	8,152	6,322	8,837	5,029	5,012
80% Exceedance	4,000	4,696	7,408	9,034	13,048	11,803	7,566	7,549	5,540	6,573	4,236	4,450
90% Exceedance	3,511	4,500	6,281	7,632	10,638	9,100	6,549	5,194	4,639	4,713	3,383	3,952
Full Simulation Period Average ^a	6,851	8,979	21,330	37,342	46,372	39,192	21,634	16,900	11,232	9,956	7,745	8,326
Wet Water Years (32%)	8,629	12,417	37,722	75,920	90,420	75,721	43,196	30,634	20,169	11,747	10,115	12,554
Above Normal Water Years (9%)	6,432	8,729	19,937	47,926	47,929	45,134	20,674	19,232	12,197	12,082	10,231	11,811
Below Normal Water Years (20%)	6,827	7,850	13,934	20,611	31,163	26,439	13,843	13,006	7,112	11,813	9,313	7,339
Dry Water Years (21%)	6,123	8,164	14,094	13,006	21,147	17,610	9,300	8,500	6,832	8,972	5,209	5,105
Critical Water Years (18%)	4,774	5,197	9,548	10,451	13,613	10,631	6,830	5,443	4,573	4,792	3,503	3,920

Table 4K-3-4-2c. Sacramento River Flow at Rio Vista, ITP Spring Outflow 082924 minus Baseline Conditions 082624, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	78	-511	16	-18	-1,120	-102	-95	2	-5	-219	47	936
20% Exceedance	22	0	63	-22	-1,267	-38	-1	10	4	-293	65	991
30% Exceedance	-146	10	285	14	177	-446	148	0	-188	-111	235	987
40% Exceedance	-90	2	31	-31	-73	82	-4	-196	-421	31	10	741
50% Exceedance	-34	0	74	7	-8	154	-2	-25	-427	0	128	2
60% Exceedance	-48	36	-457	-107	-34	-2	-6	2	-389	-74	232	18
70% Exceedance	-27	-182	193	-203	35	-1	-15	-25	-227	40	-298	7
80% Exceedance	0	43	59	24	-2	-281	37	-39	-332	-64	-68	41
90% Exceedance	12	25	371	-231	-30	170	22	1	8	-99	-4	-12
Full Simulation Period Average ^a	-33	-15	1	-22	-138	-85	-12	-34	-156	-65	59	403
Wet Water Years (32%)	-57	12	8	-14	-205	-122	-30	-4	-49	-16	59	823
Above Normal Water Years (9%)	-40	-164	-35	-25	-198	-327	-22	-3	-188	-70	-67	1,535
Below Normal Water Years (20%)	-71	-12	43	-63	-112	47	8	-151	-264	-276	342	0
Dry Water Years (21%)	-8	-25	-102	1	-170	-81	5	-23	-352	16	-148	13
Critical Water Years (18%)	27	20	80	-14	17	-47	-16	14	17	-11	51	-9

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

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

Table 4K-3-4-3b. Sacramento River Flow at Rio Vista, March VA Following Flows 082924, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	10,452	15,686	50,746	95,341	107,190	92,704	50,780	40,000	24,021	13,368	10,509	12,875
20% Exceedance	9,025	9,570	36,279	62,797	68,724	55,542	32,949	29,074	13,657	12,682	10,326	11,972
30% Exceedance	7,802	8,600	20,129	35,040	52,524	44,728	21,243	18,099	9,658	11,754	9,911	10,612
40% Exceedance	7,013	8,220	14,681	25,489	38,686	33,683	16,118	12,870	7,599	10,884	9,618	9,523
50% Exceedance	5,861	7,867	12,759	19,246	27,557	24,577	13,166	10,177	7,008	10,464	9,026	7,155
60% Exceedance	4,788	6,910	10,939	14,577	22,699	19,442	9,102	9,287	6,802	9,724	7,233	5,634
70% Exceedance	4,151	5,811	8,717	11,187	16,591	17,111	8,380	8,182	6,486	8,836	5,060	5,015
80% Exceedance	4,000	4,657	7,409	9,035	13,045	12,215	7,584	7,542	5,895	6,557	4,117	4,407
90% Exceedance	3,494	4,475	6,280	7,632	10,665	9,117	6,550	5,193	4,638	4,715	3,396	3,942
Full Simulation Period Average ^a	6,847	8,967	21,333	37,343	46,458	39,590	21,655	16,907	11,334	9,953	7,741	8,133
Wet Water Years (32%)	8,610	12,363	37,745	75,914	90,697	75,831	43,205	30,636	20,224	11,736	10,096	12,272
Above Normal Water Years (9%)	6,420	8,816	19,913	47,927	48,031	46,021	20,666	19,231	12,386	12,099	10,208	11,418
Below Normal Water Years (20%)	6,828	7,846	13,993	20,599	31,095	27,119	13,843	13,012	7,308	11,772	9,261	7,016
Dry Water Years (21%)	6,151	8,168	14,077	13,029	21,156	18,306	9,396	8,531	6,933	9,013	5,280	5,106
Critical Water Years (18%)	4,759	5,181	9,488	10,449	13,615	10,631	6,823	5,440	4,613	4,786	3,500	3,908

Table 4K-3-4-3c. Sacramento River Flow at Rio Vista, March VA Following Flows 082924 minus Baseline Conditions 082624, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	37	-526	-37	-509	380	32	-36	5	-5	-231	12	756
20% Exceedance	23	12	23	-9	-18	197	7	11	4	-239	88	734
30% Exceedance	-154	-67	316	19	-218	287	23	1	-195	-75	89	438
40% Exceedance	-90	1	31	-21	-29	735	-4	-195	-213	-44	-27	354
50% Exceedance	-21	2	53	6	1	850	-5	-27	-311	52	128	-299
60% Exceedance	-45	-68	-387	-107	-13	392	-7	16	-248	-43	219	17
70% Exceedance	1	-45	193	193	36	594	-35	5	-63	40	-267	11
80% Exceedance	0	4	60	24	-6	131	55	-46	23	-79	-187	-2
90% Exceedance	-5	1	370	-230	-3	187	23	1	7	-97	8	-21
Full Simulation Period Average ^a	-37	-27	4	-21	-52	313	9	-26	-54	-68	55	210
Wet Water Years (32%)	-77	-42	31	-20	72	-12	-21	-2	6	-26	40	541
Above Normal Water Years (9%)	-52	-77	-59	-24	-96	560	-30	-4	0	-53	-89	1,141
Below Normal Water Years (20%)	-69	-16	101	-75	-180	728	8	-145	-68	-316	291	-322
Dry Water Years (21%)	20	-22	-119	25	-160	615	101	8	-251	57	-76	15
Critical Water Years (18%)	13	4	21	-16	19	-47	-24	11	57	-18	48	-22

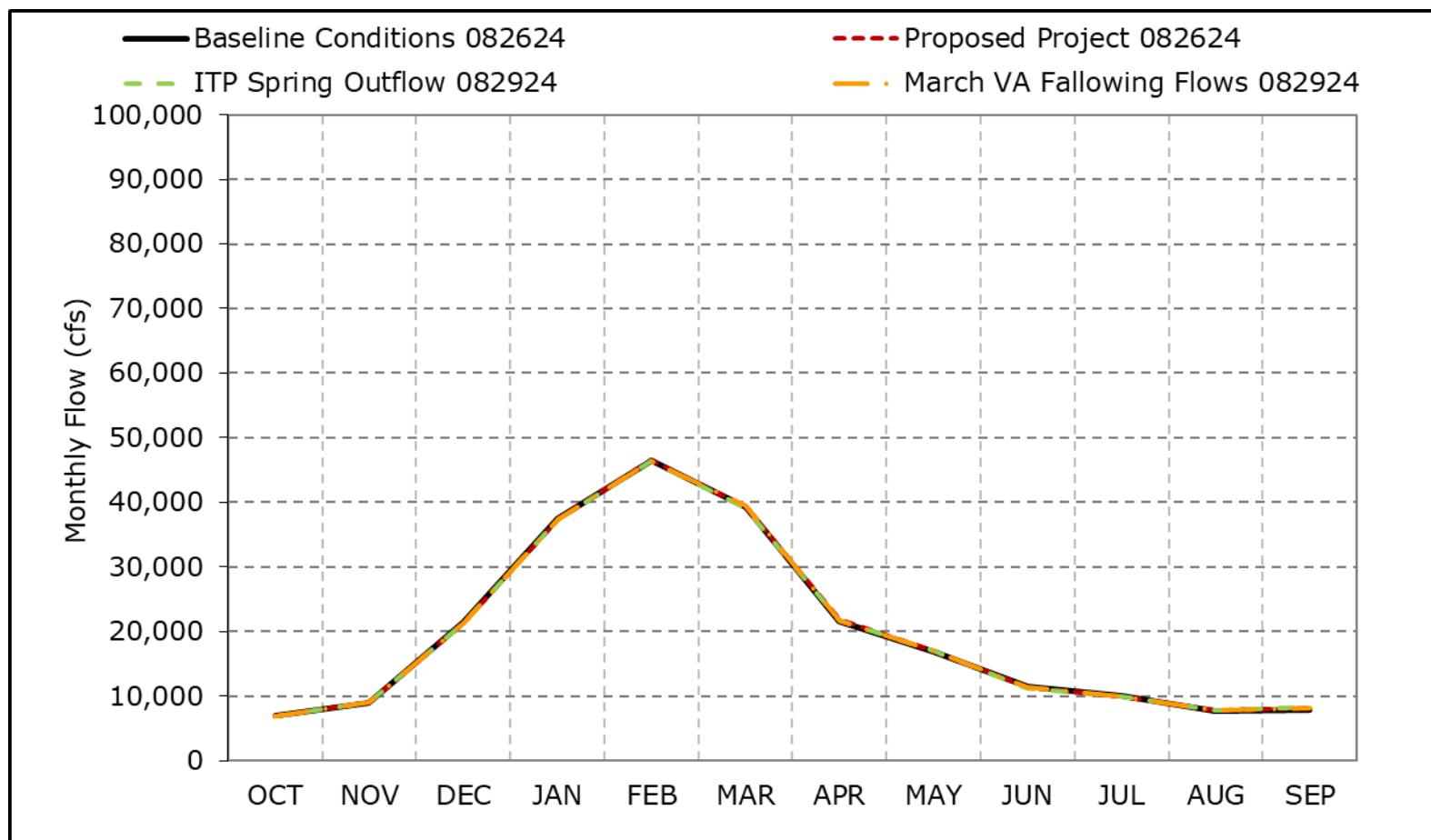
^a Based on the 100-year simulation period.

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

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

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

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

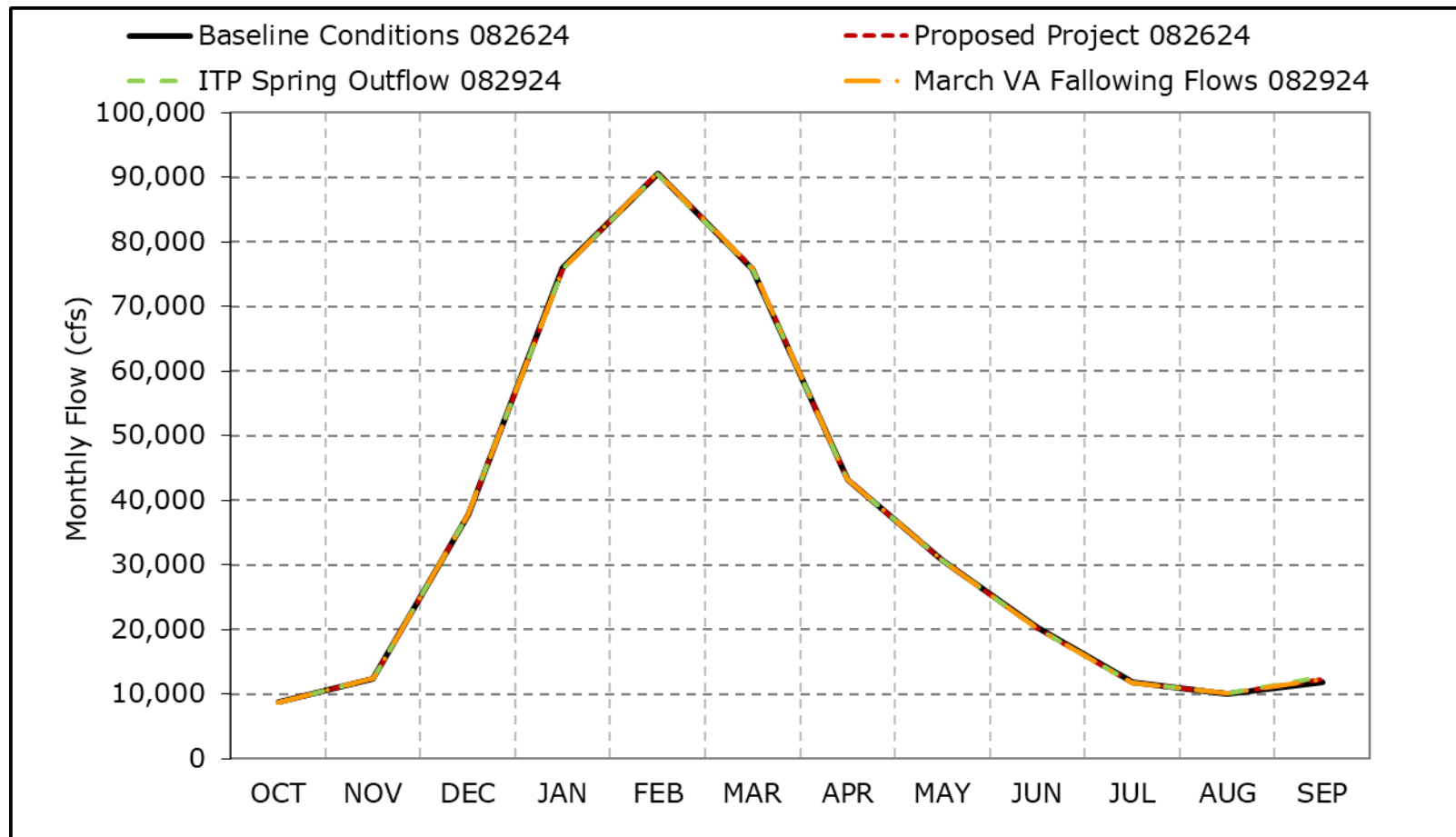


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*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 4K-3-4b. Sacramento River Flow at Rio Vista, Wet Year Average Flow

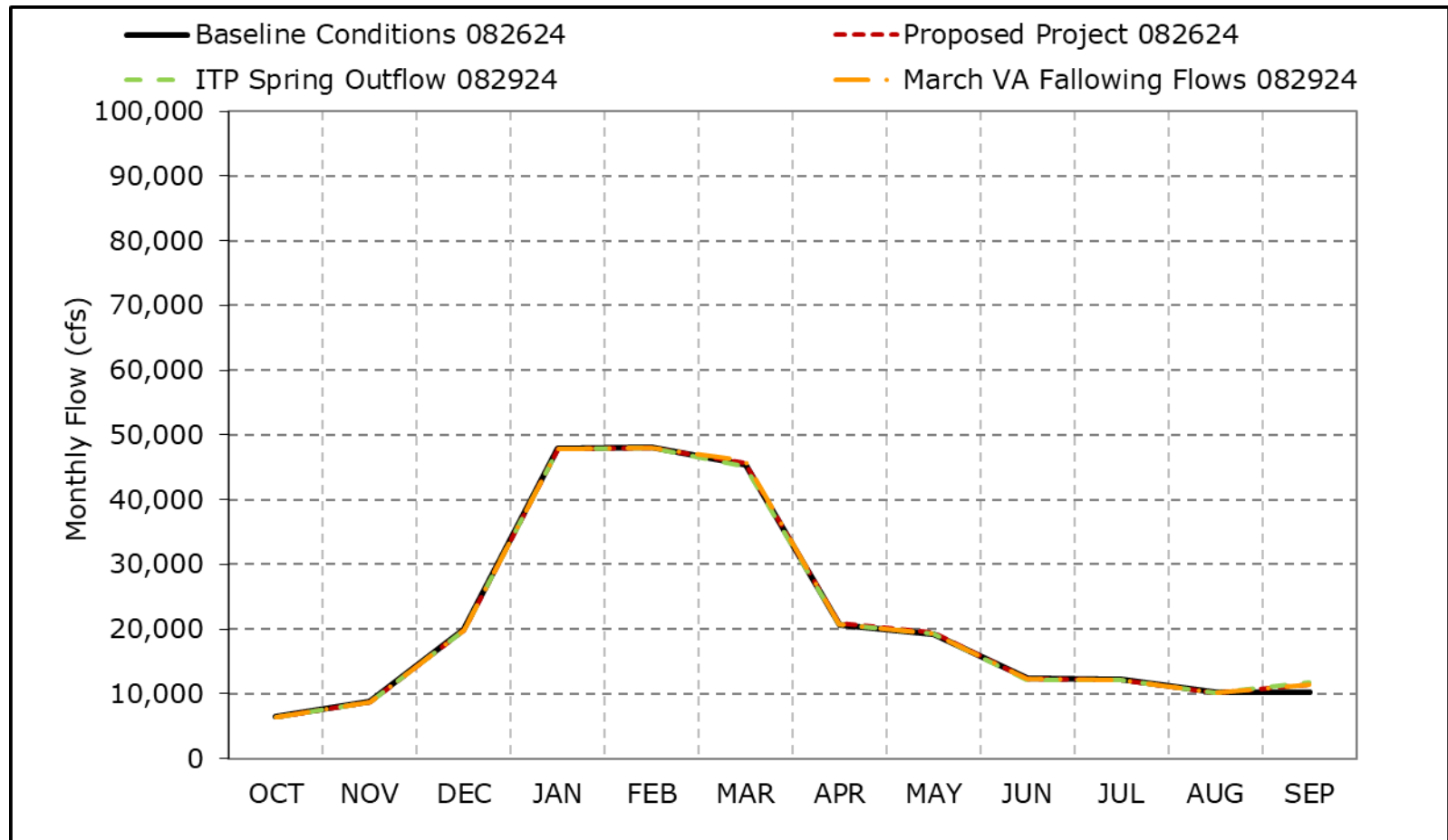


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

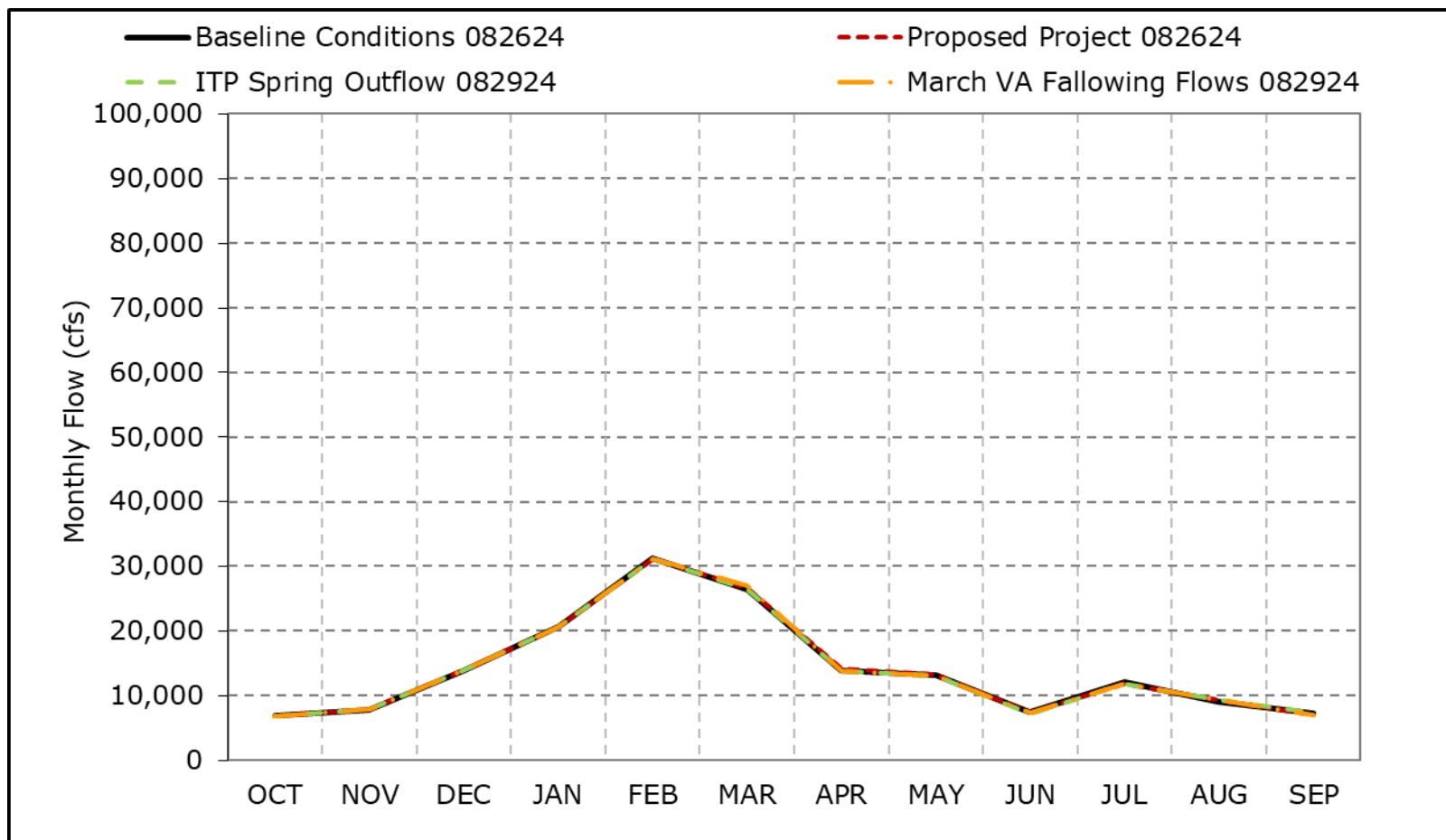


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

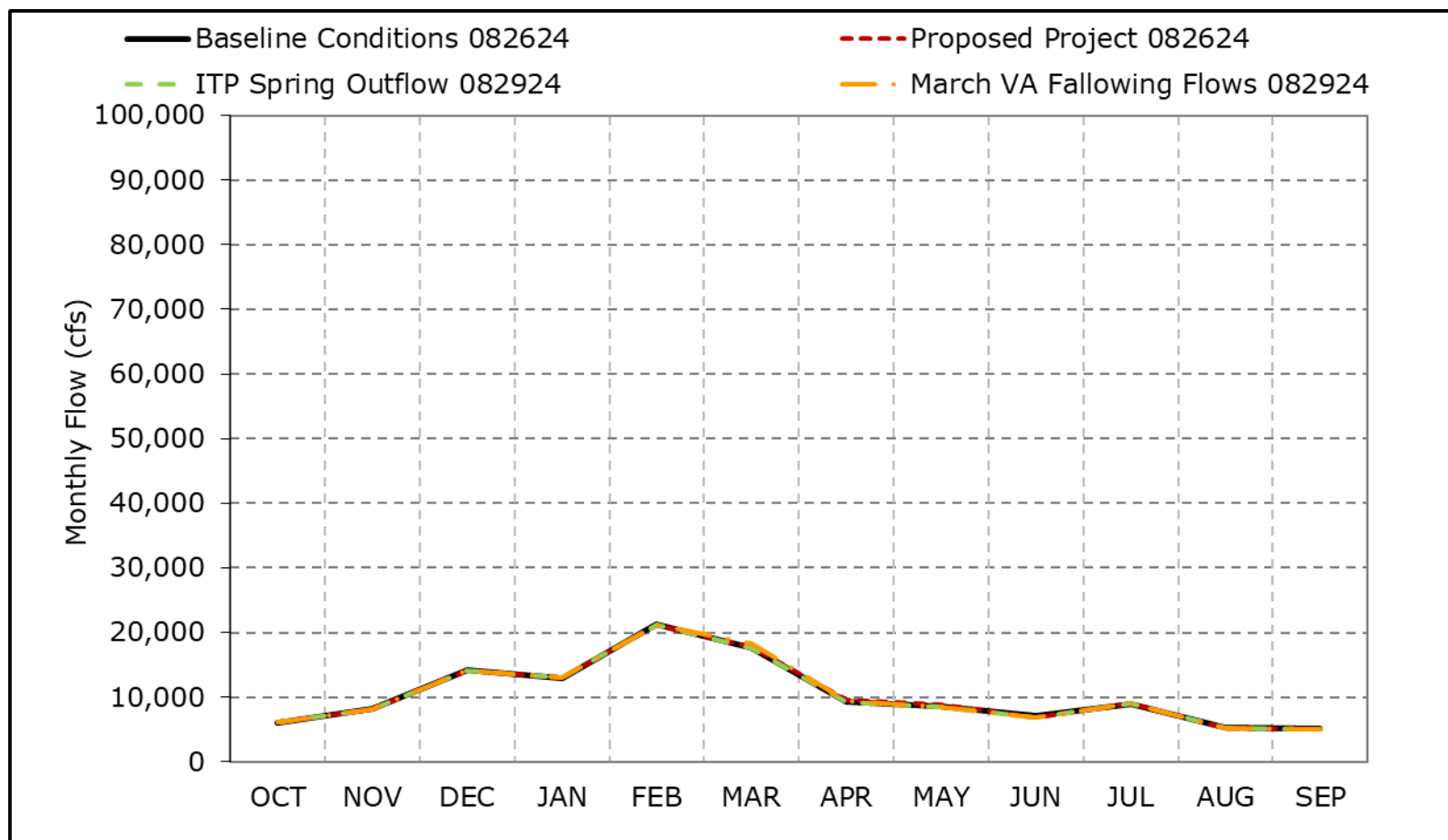


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*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 4K-3-4e. Sacramento River Flow at Rio Vista, Dry Year Average Flow

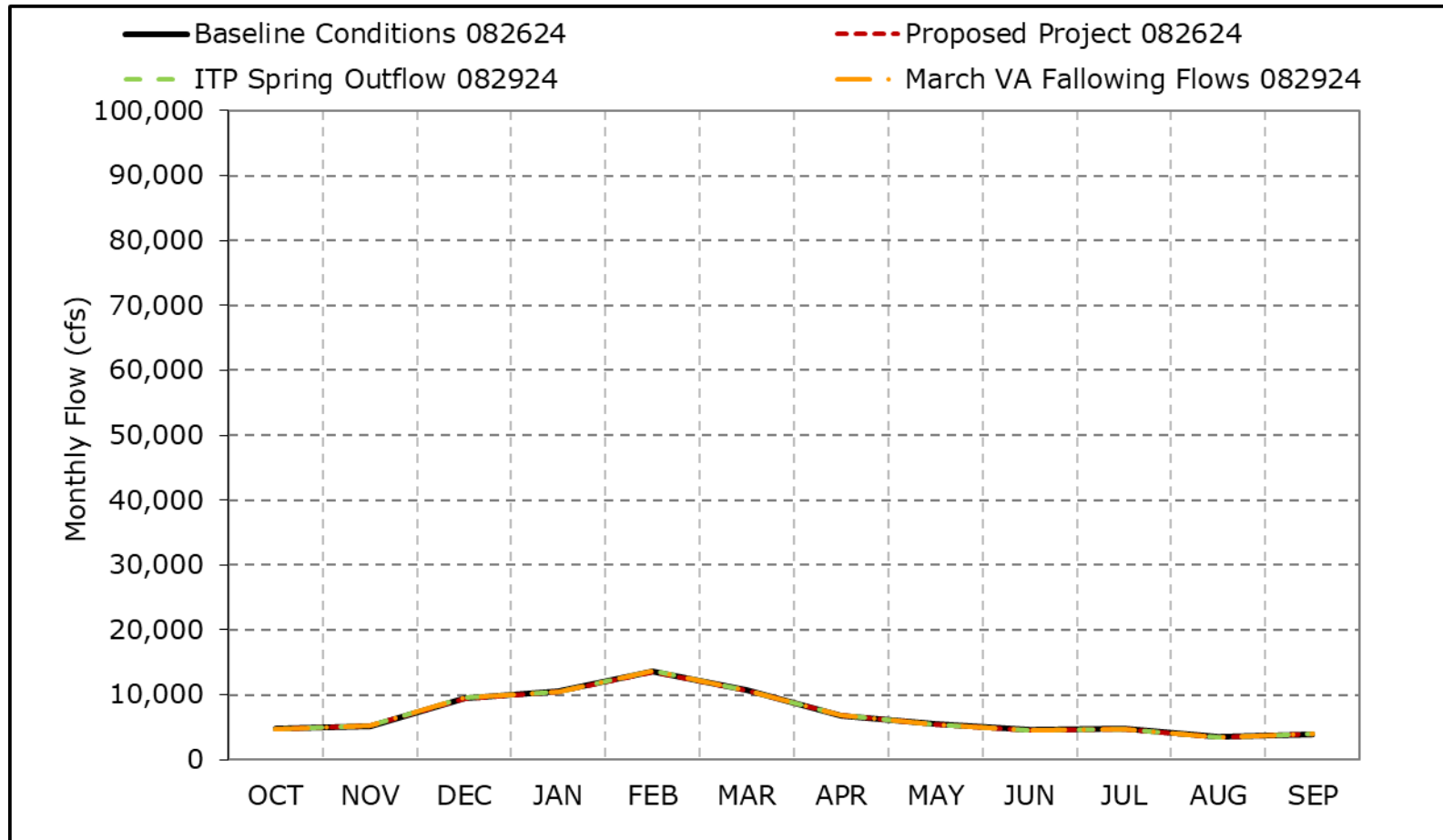


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*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 4K-3-4f. Sacramento River Flow at Rio Vista, Critical Year Average Flow

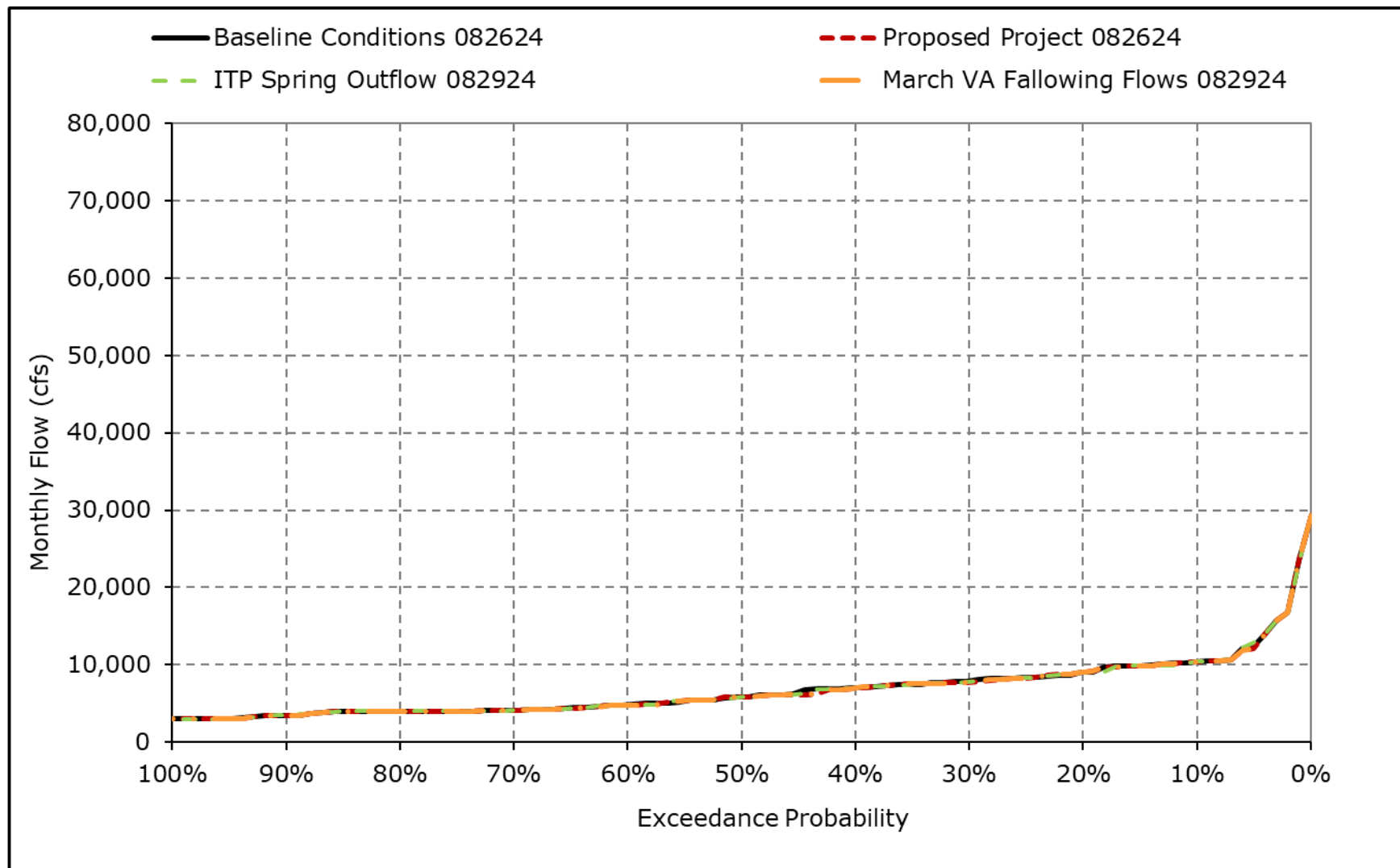


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

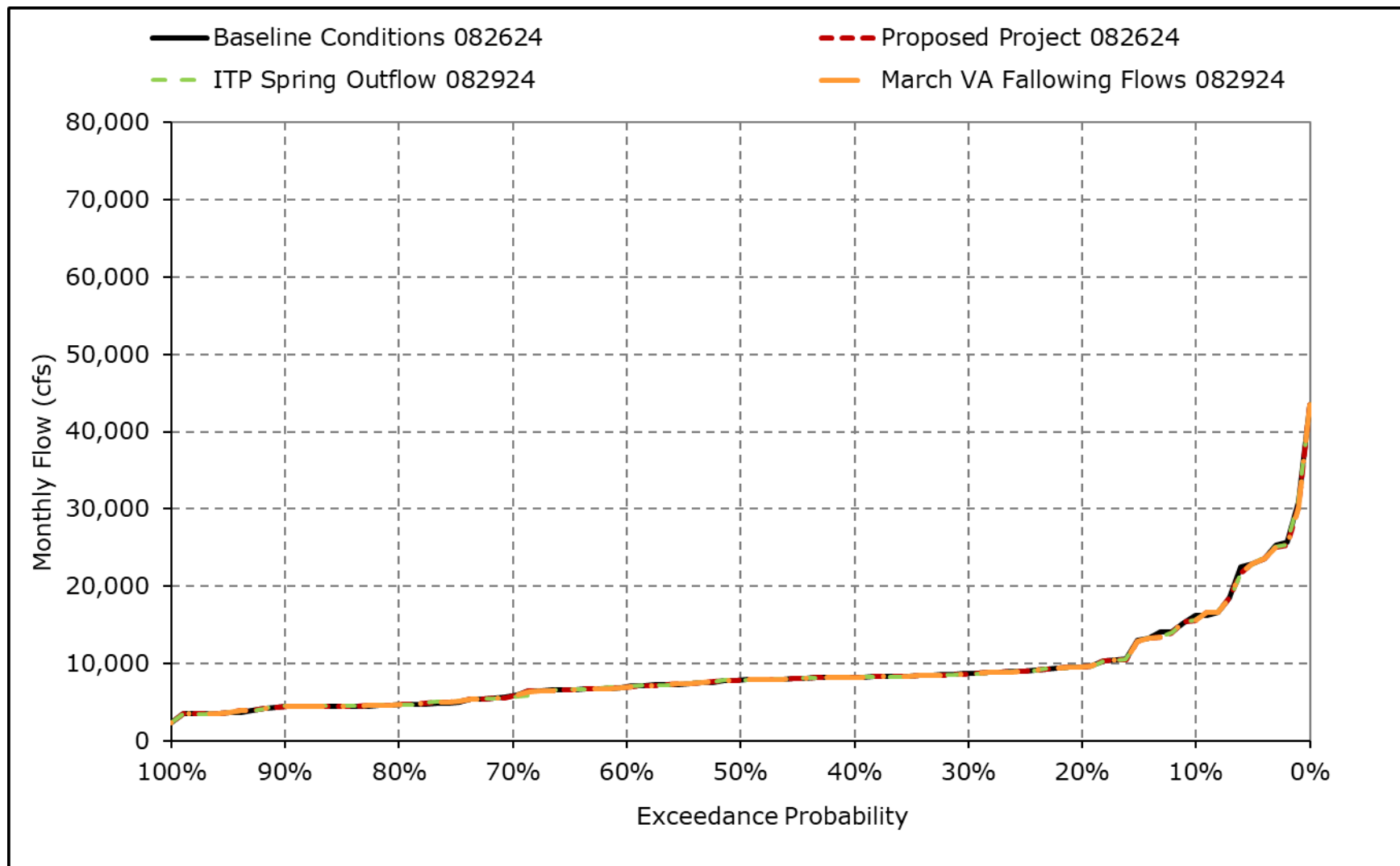
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



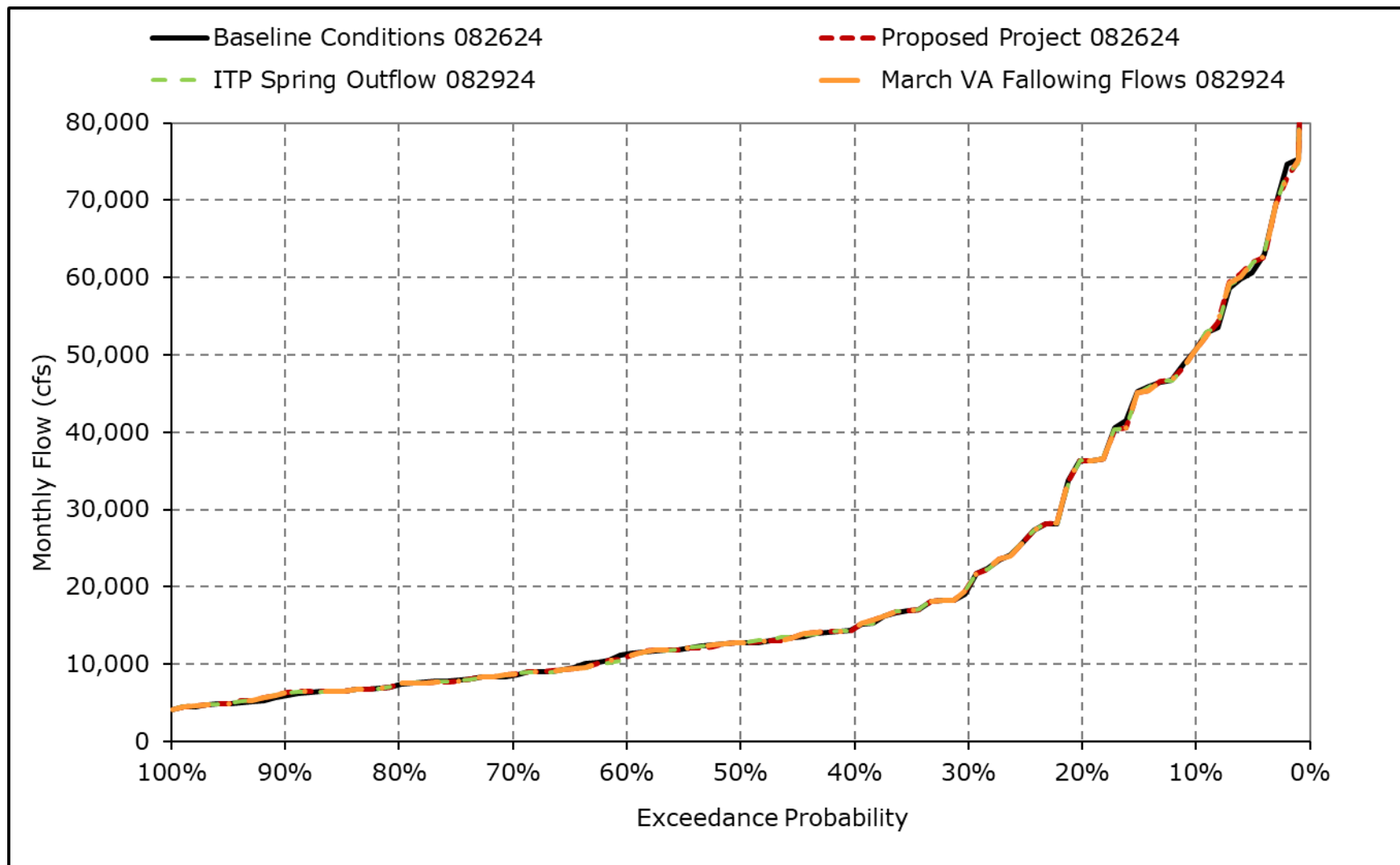
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



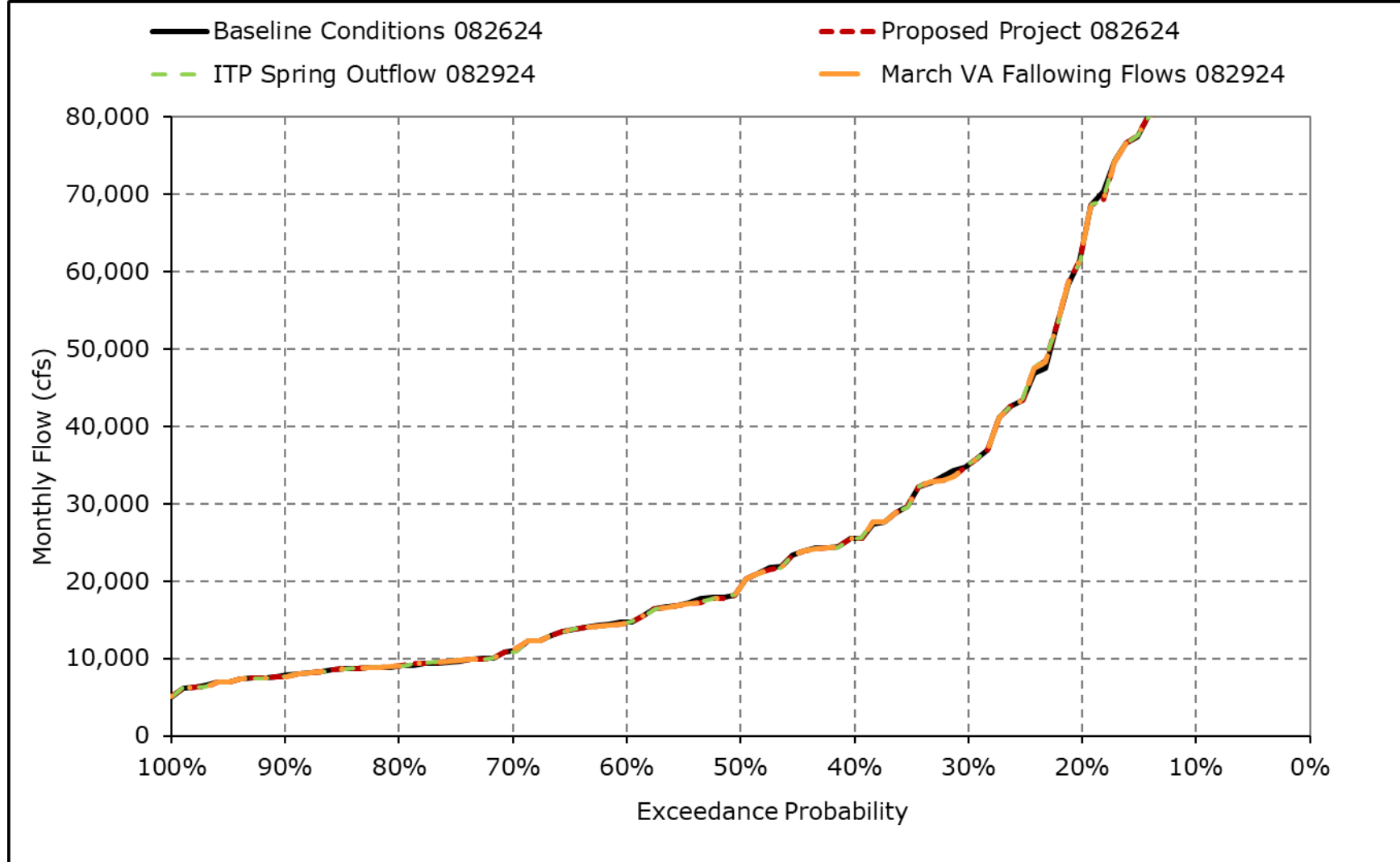
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



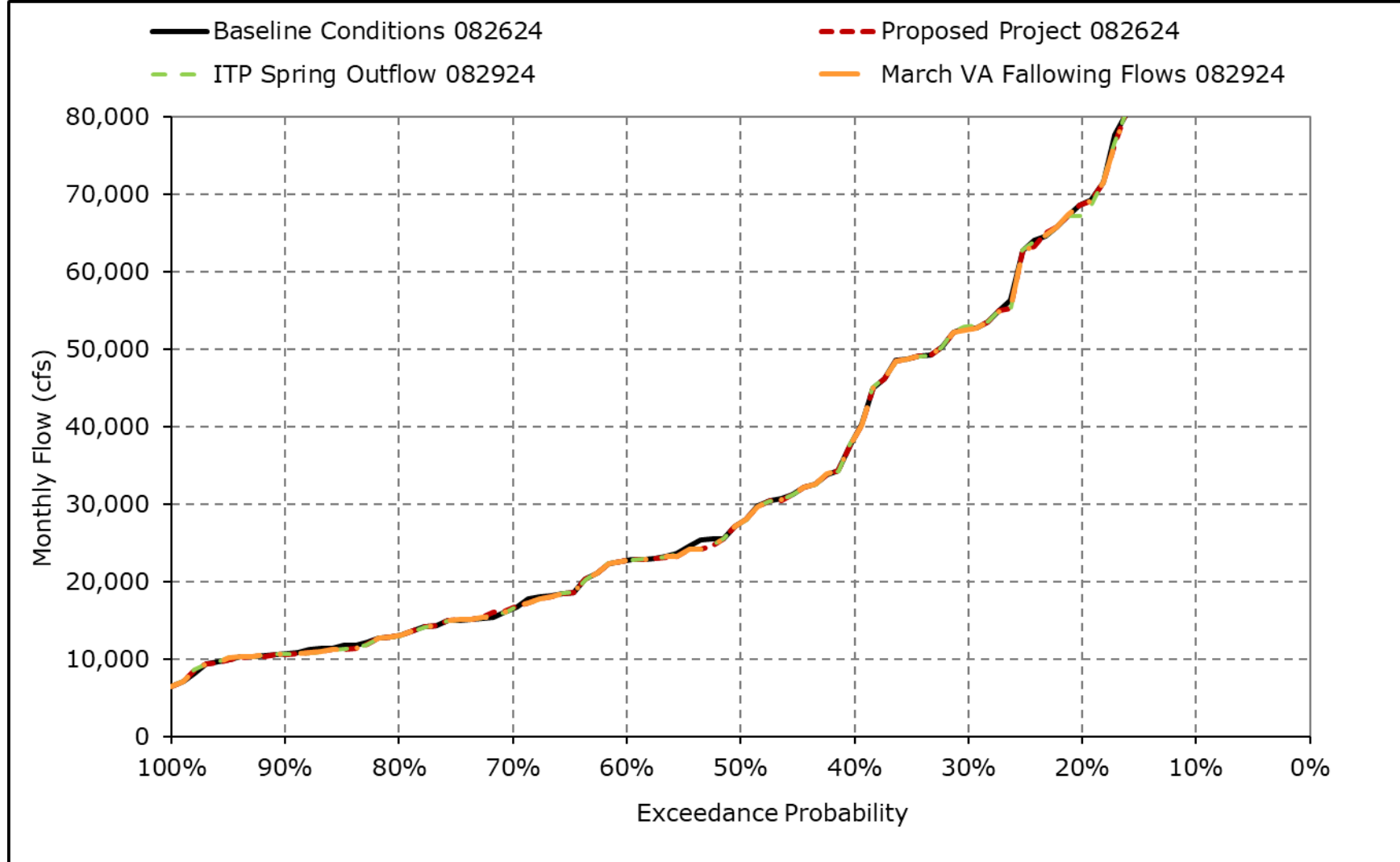
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



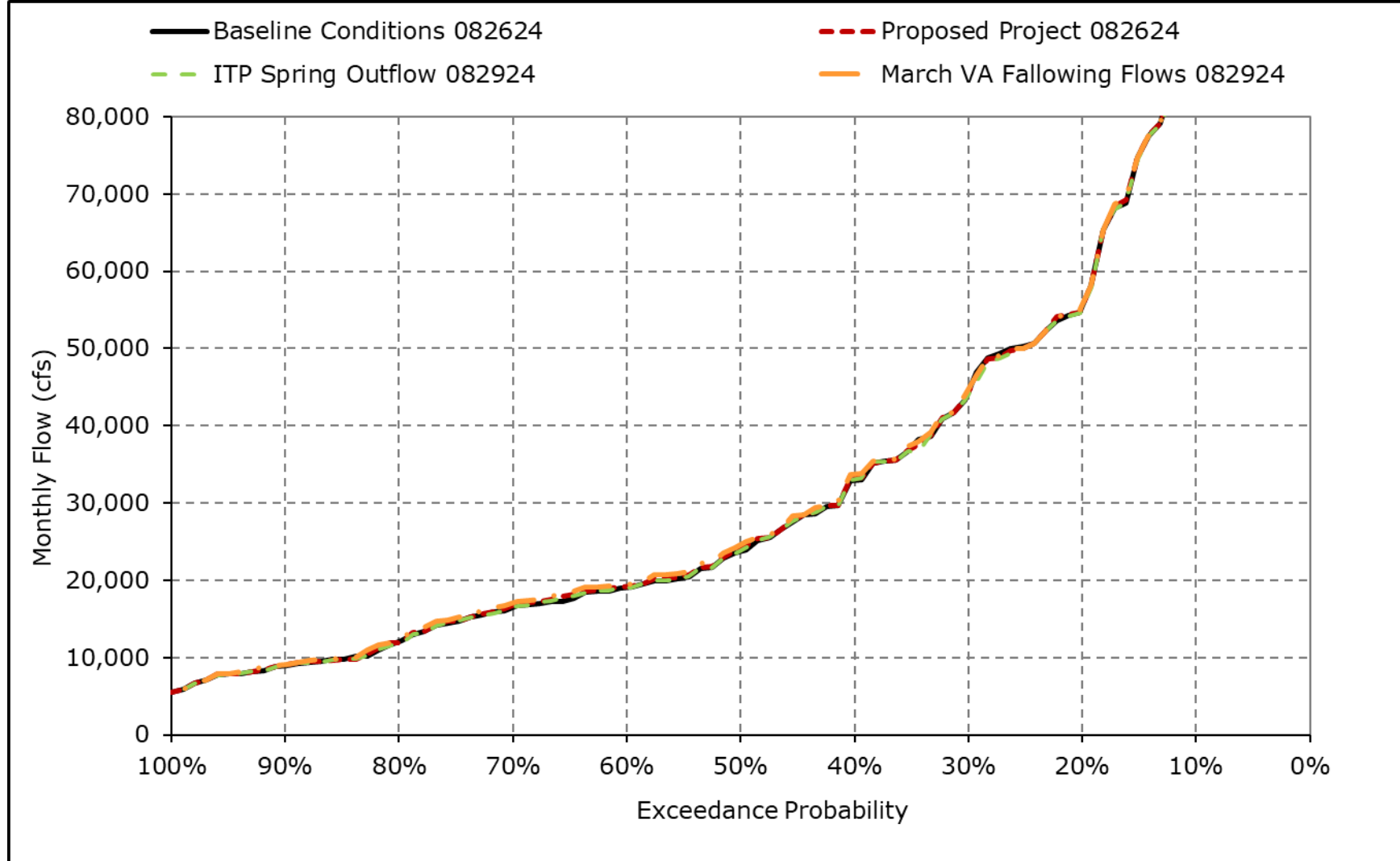
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



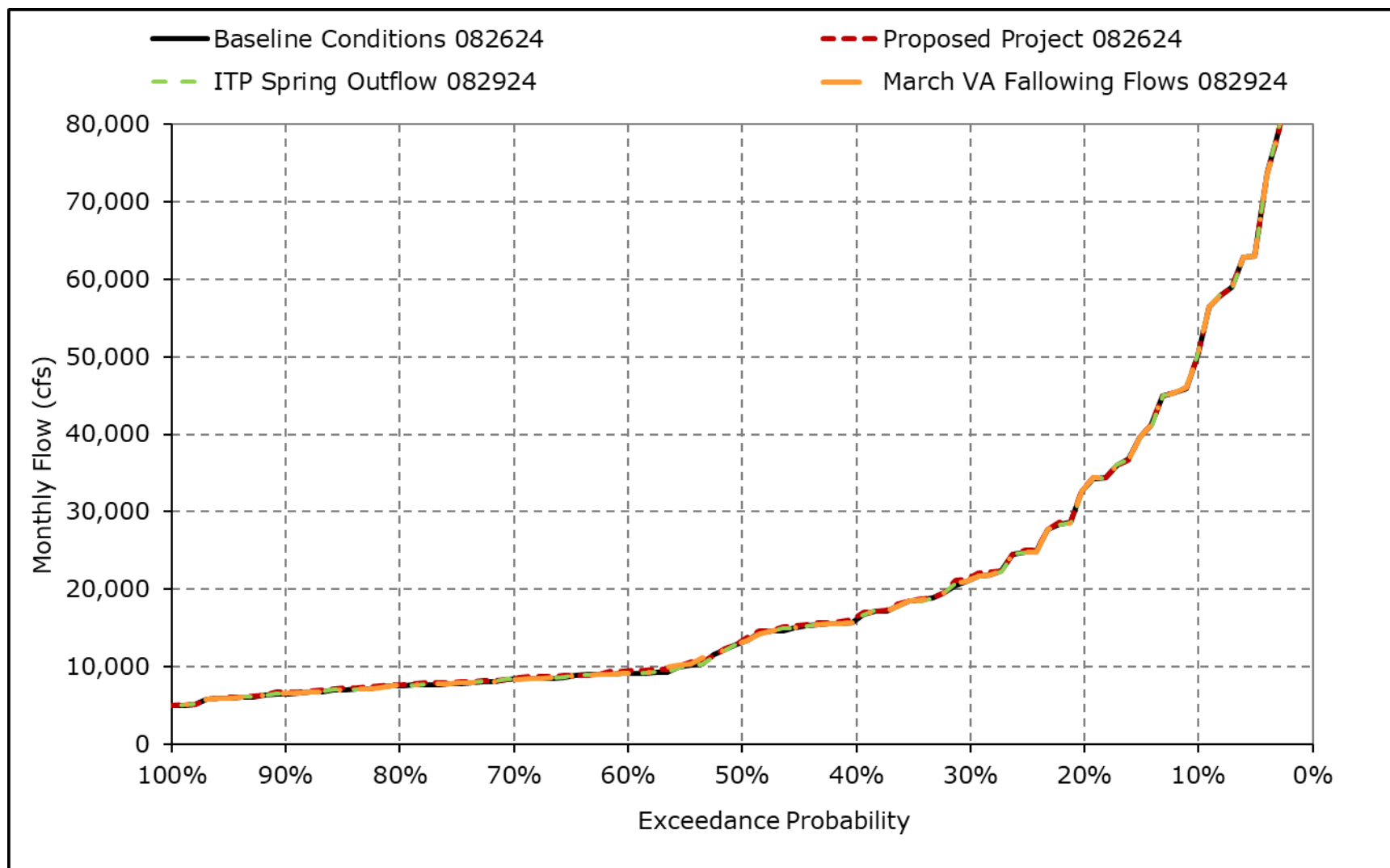
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



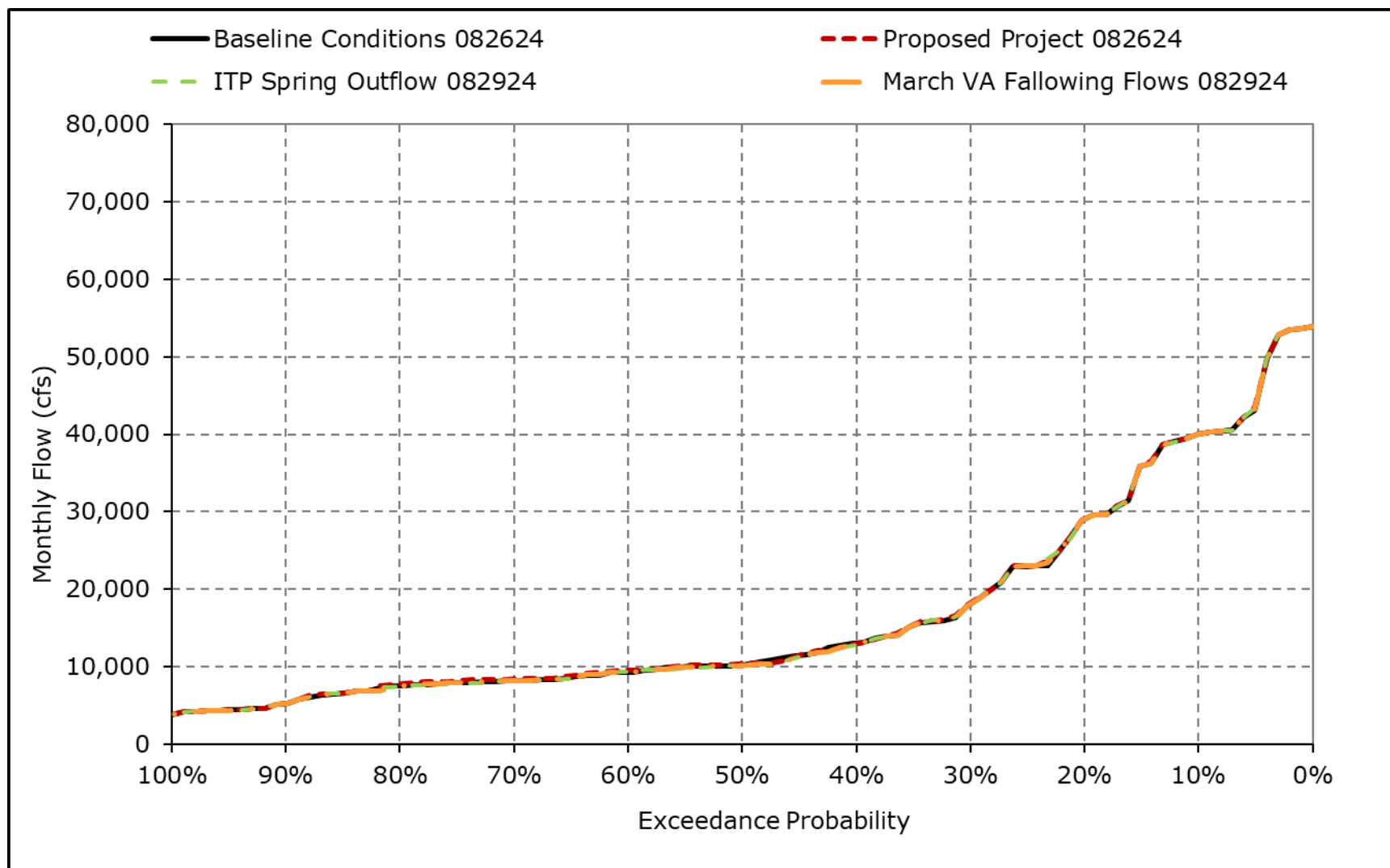
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



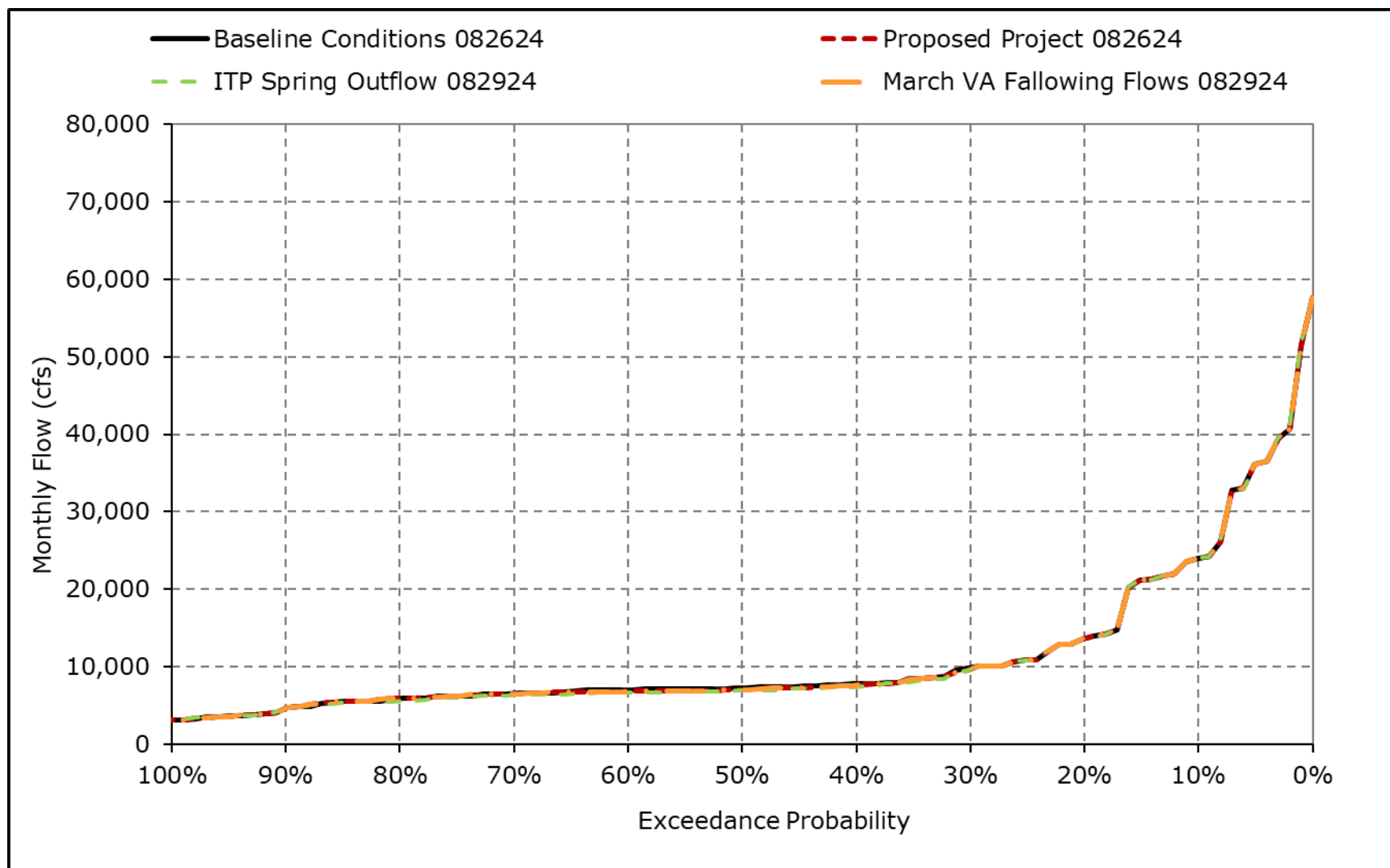
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



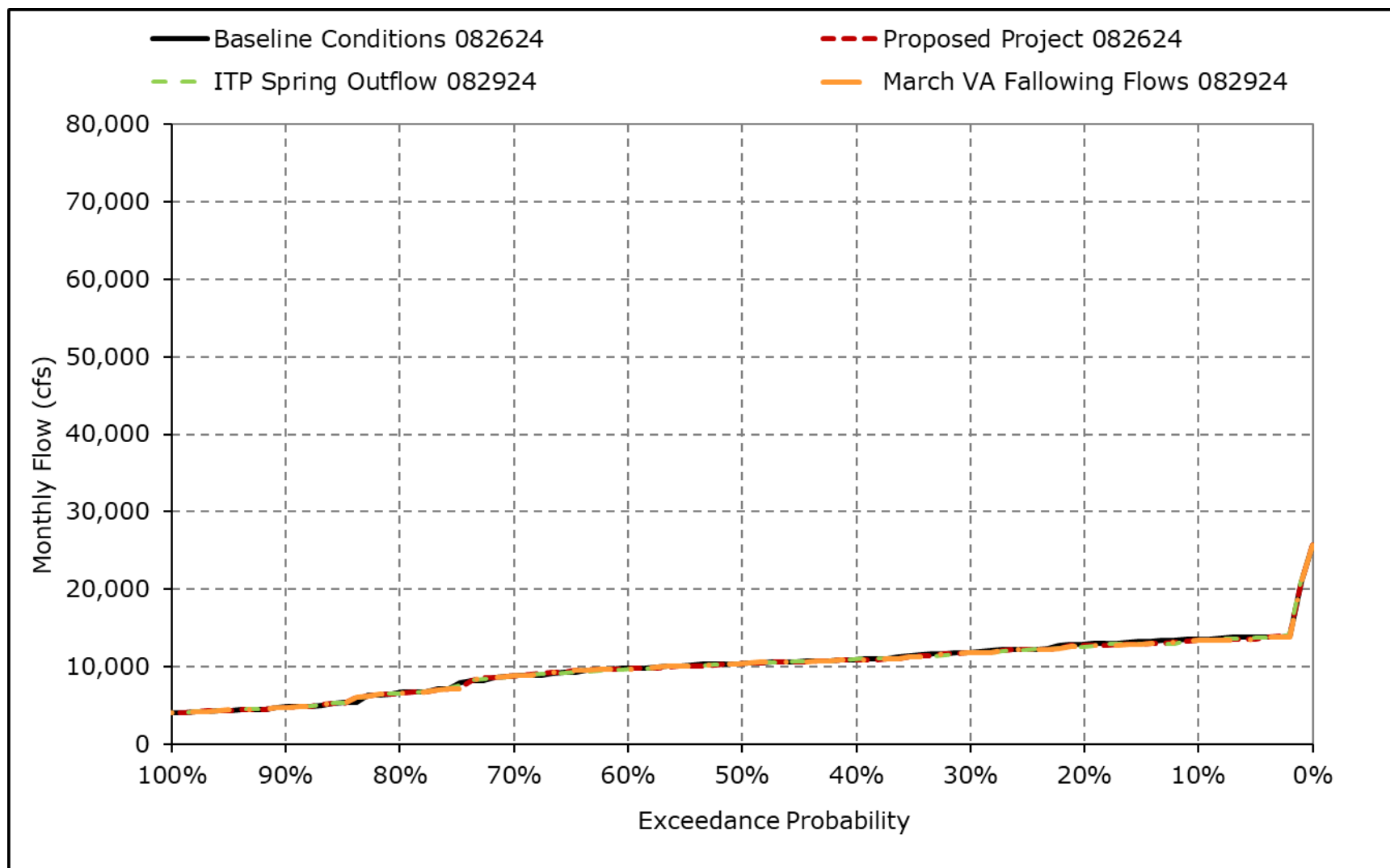
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



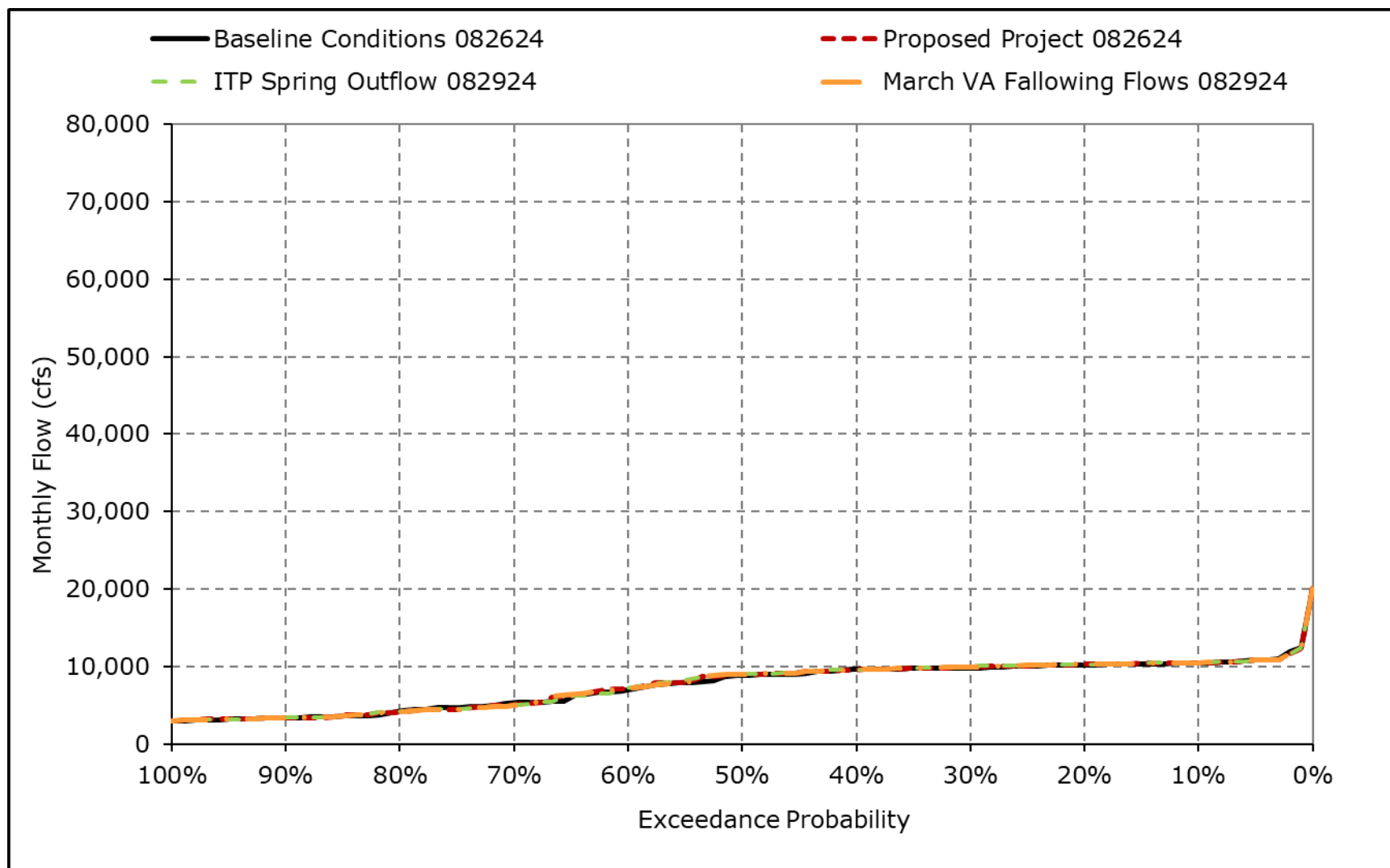
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



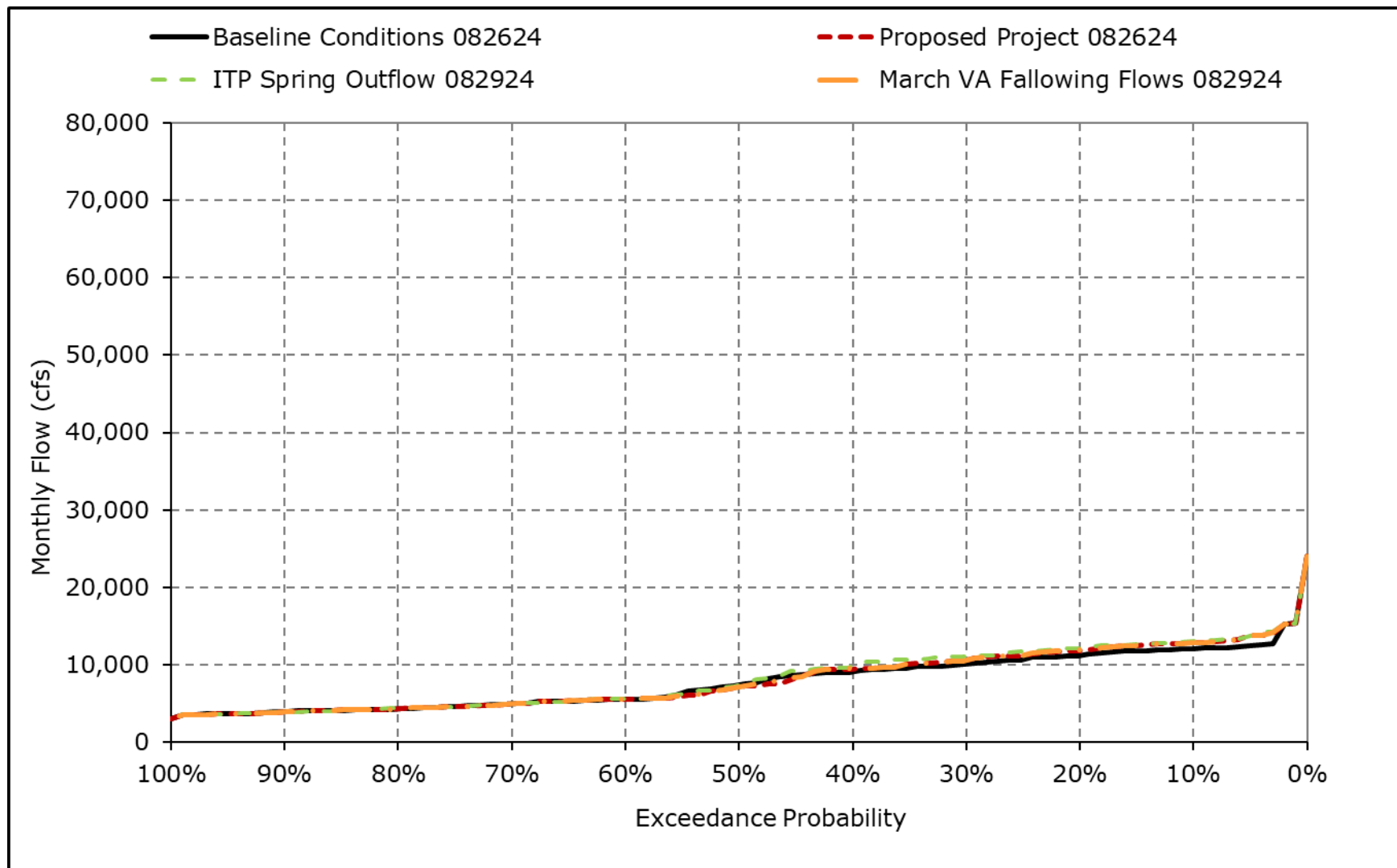
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



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

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



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

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

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

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

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

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

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

^a Based on the 100-year simulation period.

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

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

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

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

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

Table 4K-3-5-2b. San Joaquin River at Vernalis, ITP Spring Outflow 082924, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	3,970	2,639	3,873	9,358	11,399	13,577	14,512	12,118	13,326	6,335	4,759	3,778
20% Exceedance	3,675	2,319	2,518	4,303	7,950	8,982	10,002	7,940	6,529	3,762	2,196	2,039
30% Exceedance	3,191	2,053	2,060	3,282	5,394	7,364	8,098	6,112	3,232	1,940	1,328	1,434
40% Exceedance	2,276	1,882	1,770	2,330	3,583	4,244	6,277	5,015	2,491	1,480	1,068	1,262
50% Exceedance	1,840	1,711	1,567	1,963	2,678	2,529	3,920	3,736	1,741	1,142	756	1,048
60% Exceedance	1,737	1,429	1,395	1,589	2,177	2,282	3,169	3,113	1,482	931	682	962
70% Exceedance	1,680	1,380	1,294	1,474	1,831	1,883	2,751	2,758	1,243	807	602	903
80% Exceedance	1,576	1,331	1,155	1,335	1,602	1,707	2,435	2,405	1,140	606	488	822
90% Exceedance	1,472	1,233	1,080	1,201	1,459	1,611	2,144	2,067	916	490	365	665
Full Simulation Period Average ^a	2,536	1,919	2,285	4,070	5,547	5,937	6,709	5,821	4,236	2,493	1,574	1,546
Wet Water Years (32%)	2,930	2,358	3,711	8,696	11,272	12,152	12,522	10,639	9,310	5,538	3,371	2,708
Above Normal Water Years (9%)	2,292	1,850	1,942	2,766	4,919	5,443	6,608	5,513	3,531	1,937	1,214	1,433
Below Normal Water Years (20%)	2,771	1,976	1,781	2,215	3,927	4,284	5,519	4,777	2,480	1,429	930	1,153
Dry Water Years (21%)	2,355	1,648	1,550	1,579	1,868	1,902	2,762	2,718	1,279	812	616	924
Critical Water Years (18%)	1,907	1,426	1,338	1,466	1,776	1,680	2,351	2,188	969	501	394	701

Table 4K-3-5-2c. San Joaquin River at Vernalis, ITP Spring Outflow 082924 minus Baseline Conditions 082624, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-5	-3	-3	-12	-2	-3	98	-7	-4	-3	-1	-2
20% Exceedance	-3	-2	-3	31	-2	0	-3	-4	-2	-3	-2	-2
30% Exceedance	0	-2	-2	-2	-4	-2	-3	-6	-2	-1	-4	-5
40% Exceedance	-2	-2	-2	-3	-2	-4	-3	-4	-2	-3	-4	-5
50% Exceedance	-3	-3	-3	0	-3	-3	-2	-6	-5	-9	-4	5
60% Exceedance	-10	-3	-4	-2	-2	-3	-3	-9	-8	-6	-7	-4
70% Exceedance	-4	9	-4	-2	-1	-4	-3	-4	-5	0	-15	-6
80% Exceedance	-16	-1	-3	-4	-3	-6	-3	-9	-1	-12	-19	-5
90% Exceedance	7	-6	3	-1	1	-1	-2	-4	-12	2	10	8
Full Simulation Period Average ^a	-1	0	-2	-5	-3	-4	-2	-4	-4	-5	-4	-2
Wet Water Years (32%)	-4	-4	-4	-11	-5	-7	0	-4	-4	-4	-3	-3
Above Normal Water Years (9%)	13	20	10	3	-2	-4	-4	-5	-4	-4	-6	-5
Below Normal Water Years (20%)	7	1	-2	-3	-2	-3	-3	-4	-5	-6	-6	-5
Dry Water Years (21%)	-3	-1	-2	-2	-2	-3	-4	-5	-5	-6	-6	2
Critical Water Years (18%)	-8	-5	-3	-2	-3	-2	-2	-1	-3	-4	0	-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 4K-3-5-3a. San Joaquin River at Vernalis, Baseline Conditions 082624, Monthly Flow (cfs)

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

Table 4K-3-5-3b. San Joaquin River at Vernalis, March VA Following Flows 082924, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	3,971	2,639	3,873	9,358	11,400	13,578	14,416	12,119	13,322	6,335	4,758	3,778
20% Exceedance	3,675	2,319	2,518	4,261	7,950	8,981	10,002	7,940	6,530	3,763	2,196	2,039
30% Exceedance	3,191	2,052	2,060	3,282	5,394	7,364	8,098	6,112	3,232	1,939	1,328	1,433
40% Exceedance	2,276	1,882	1,770	2,330	3,584	4,243	6,277	5,015	2,493	1,480	1,069	1,264
50% Exceedance	1,839	1,711	1,567	1,963	2,678	2,530	3,920	3,736	1,741	1,142	755	1,034
60% Exceedance	1,736	1,430	1,395	1,589	2,177	2,282	3,169	3,115	1,482	928	682	964
70% Exceedance	1,665	1,370	1,293	1,474	1,831	1,884	2,750	2,758	1,245	808	602	902
80% Exceedance	1,596	1,328	1,154	1,336	1,603	1,708	2,435	2,406	1,140	606	489	822
90% Exceedance	1,472	1,245	1,079	1,201	1,460	1,611	2,144	2,068	915	490	357	658
Full Simulation Period Average ^a	2,535	1,917	2,284	4,069	5,547	5,937	6,708	5,821	4,236	2,493	1,574	1,545
Wet Water Years (32%)	2,927	2,356	3,710	8,696	11,272	12,152	12,519	10,639	9,310	5,538	3,371	2,708
Above Normal Water Years (9%)	2,281	1,830	1,931	2,760	4,916	5,443	6,608	5,514	3,532	1,936	1,213	1,432
Below Normal Water Years (20%)	2,770	1,975	1,781	2,215	3,926	4,284	5,519	4,777	2,480	1,429	930	1,150
Dry Water Years (21%)	2,355	1,648	1,550	1,579	1,869	1,902	2,762	2,718	1,280	812	616	924
Critical Water Years (18%)	1,913	1,429	1,339	1,466	1,776	1,680	2,351	2,188	970	500	391	699

Table 4K-3-5-3c. San Joaquin River at Vernalis, March VA Following Flows 082924 minus Baseline Conditions 082624, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-4	-3	-3	-11	-2	-3	2	-6	-7	-3	-1	-2
20% Exceedance	-3	-2	-3	-12	-2	-1	-2	-3	0	-3	-2	-2
30% Exceedance	0	-3	-2	-2	-3	-2	-3	-6	-2	-1	-3	-5
40% Exceedance	-2	-2	-1	-3	-2	-5	-3	-3	-1	-3	-3	-3
50% Exceedance	-4	-3	-3	0	-3	-3	-2	-6	-5	-9	-4	-10
60% Exceedance	-11	-3	-4	-2	-2	-3	-3	-7	-8	-9	-7	-2
70% Exceedance	-19	0	-5	-2	-1	-4	-3	-4	-4	1	-15	-7
80% Exceedance	4	-4	-4	-3	-2	-5	-3	-9	-1	-13	-17	-5
90% Exceedance	7	7	2	-1	1	-2	-2	-3	-14	2	2	1
Full Simulation Period Average ^a	-2	-2	-3	-5	-3	-4	-3	-4	-4	-5	-4	-3
Wet Water Years (32%)	-6	-7	-5	-11	-4	-6	-4	-4	-4	-4	-3	-3
Above Normal Water Years (9%)	2	1	-1	-3	-4	-5	-4	-5	-3	-5	-7	-6
Below Normal Water Years (20%)	6	1	-1	-3	-3	-2	-3	-4	-5	-6	-6	-8
Dry Water Years (21%)	-4	-2	-2	-2	-2	-3	-4	-4	-4	-6	-6	2
Critical Water Years (18%)	-2	-1	-1	-1	-2	-2	-2	-1	-3	-5	-3	-3

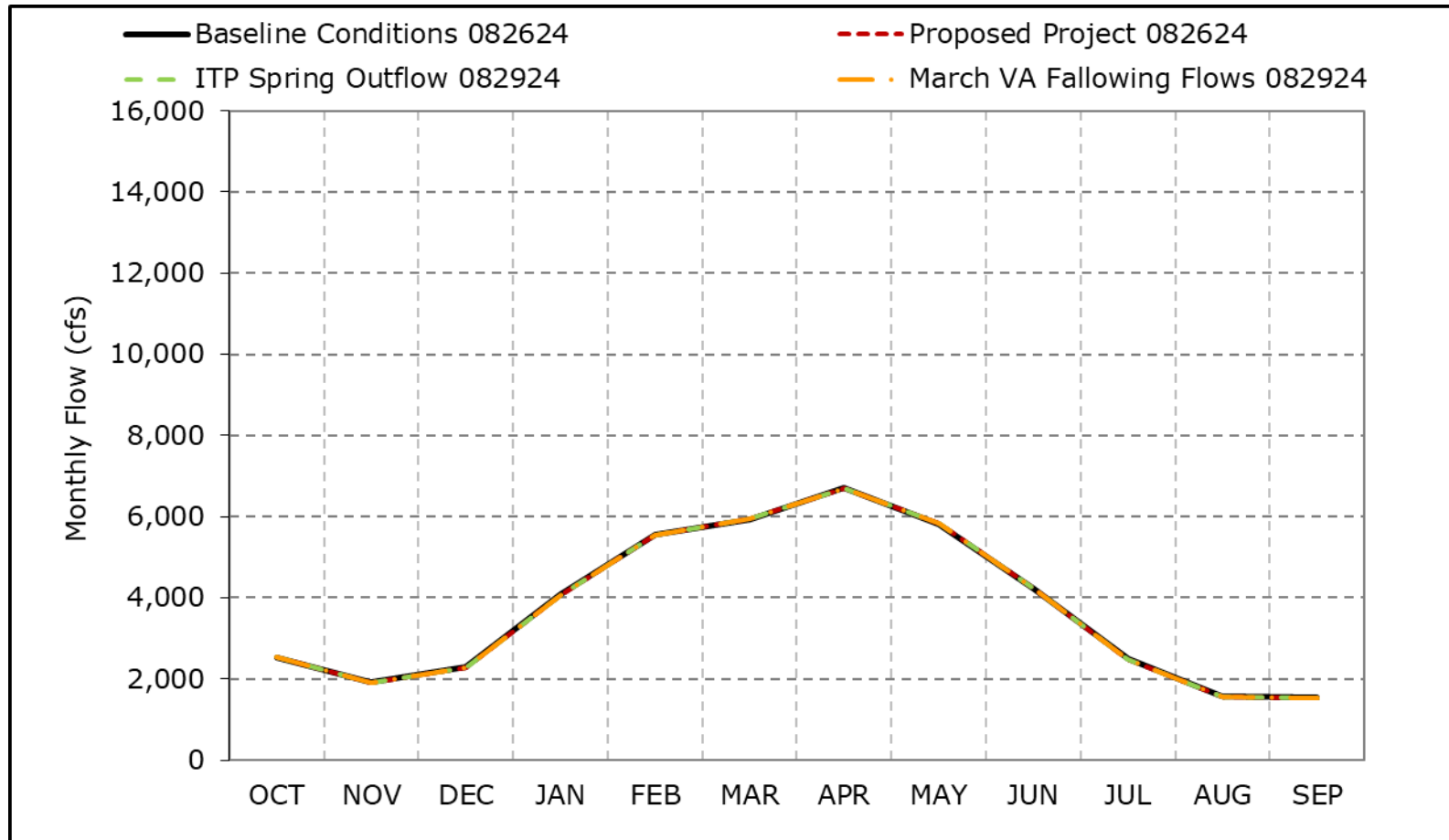
^a Based on the 100-year simulation period.

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

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

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

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

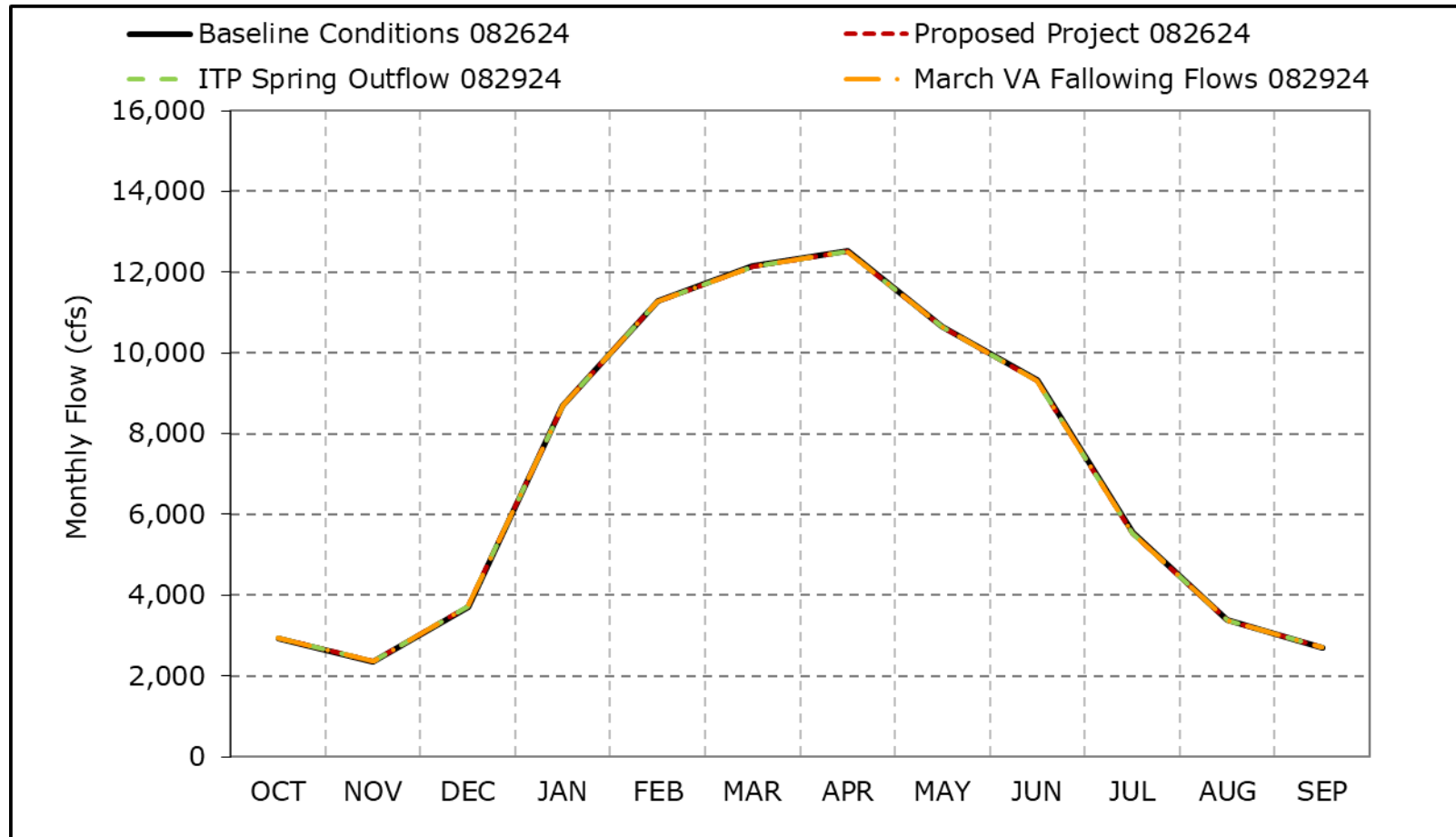


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

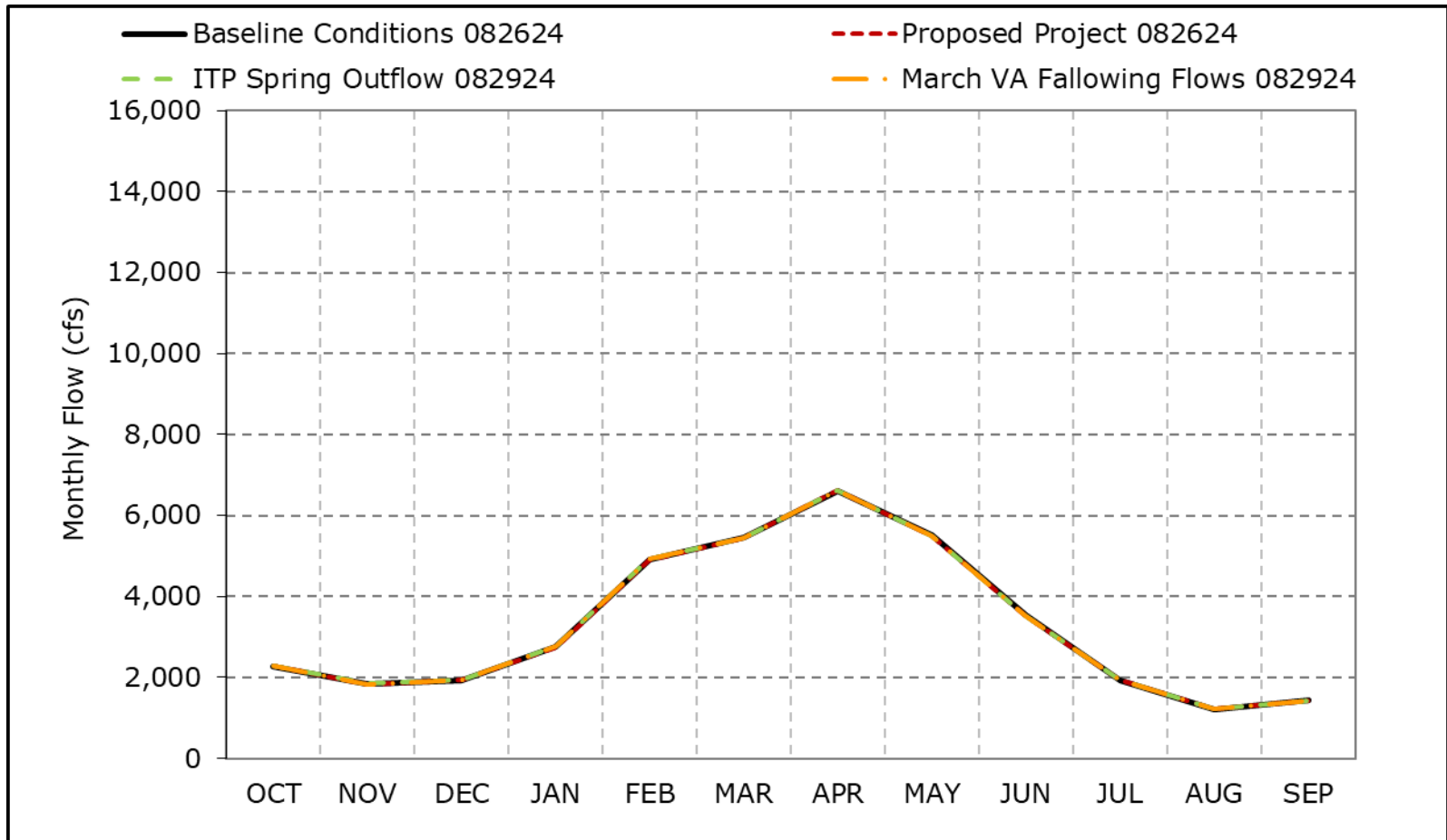


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

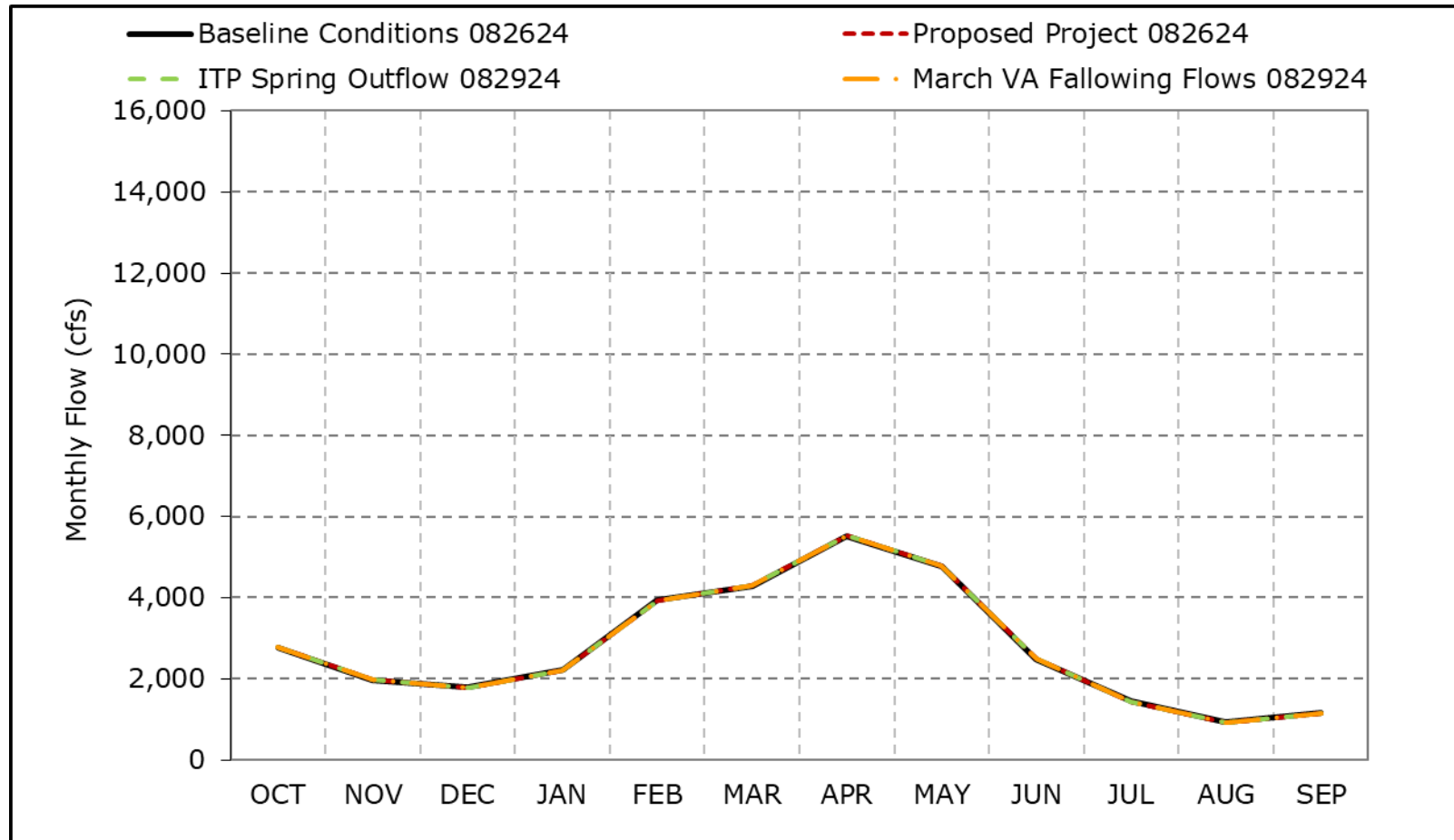


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

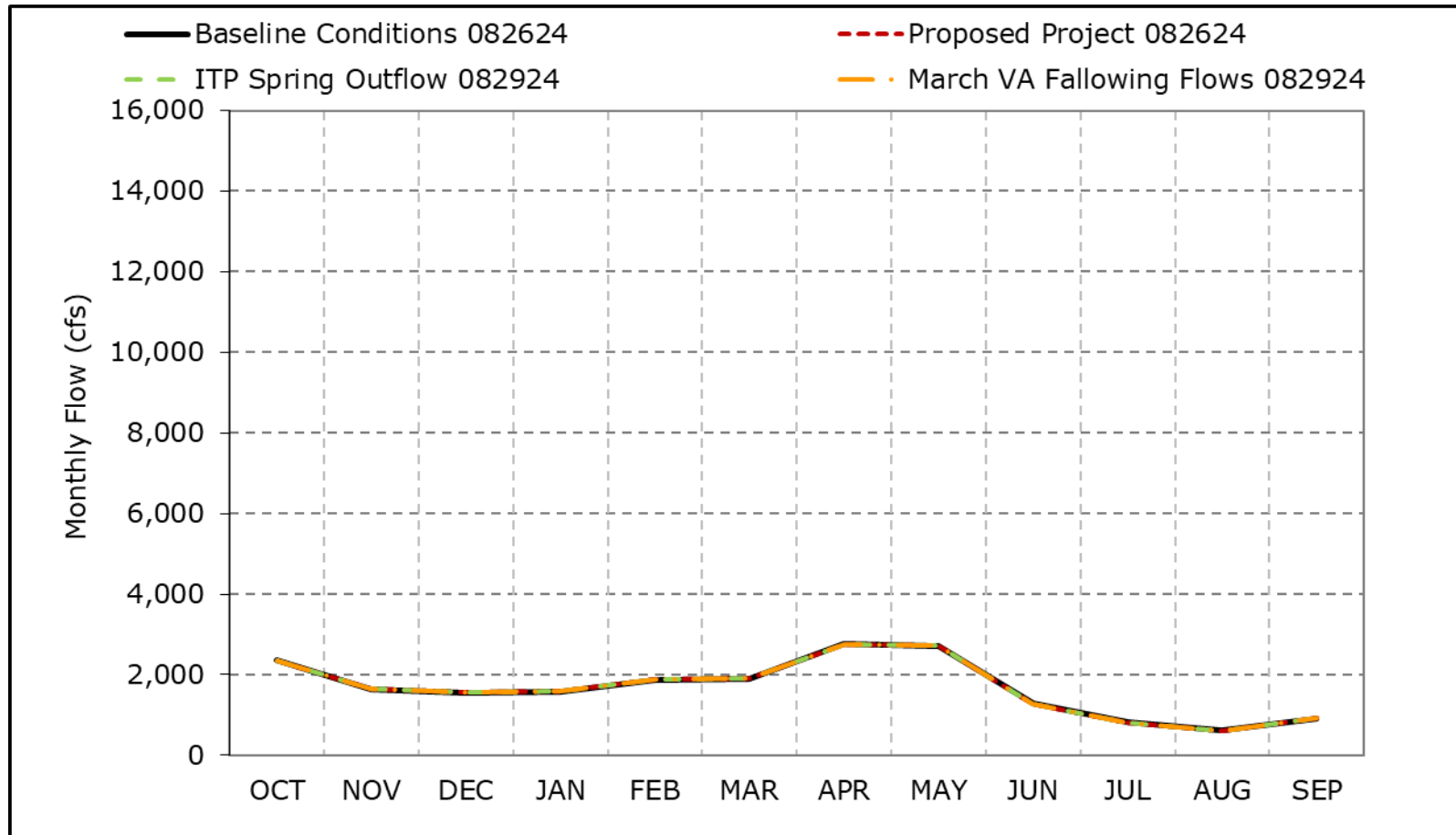


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

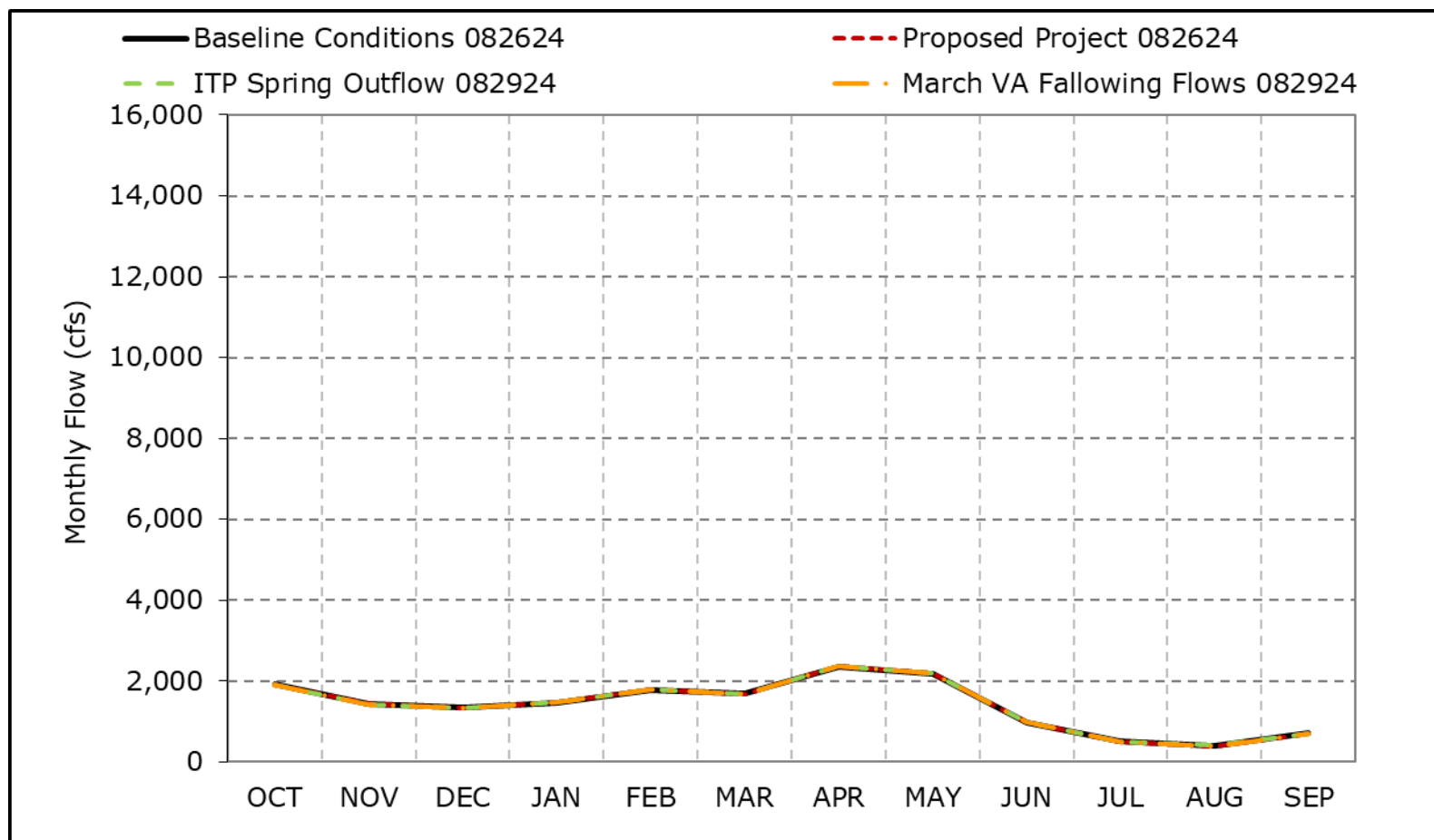


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

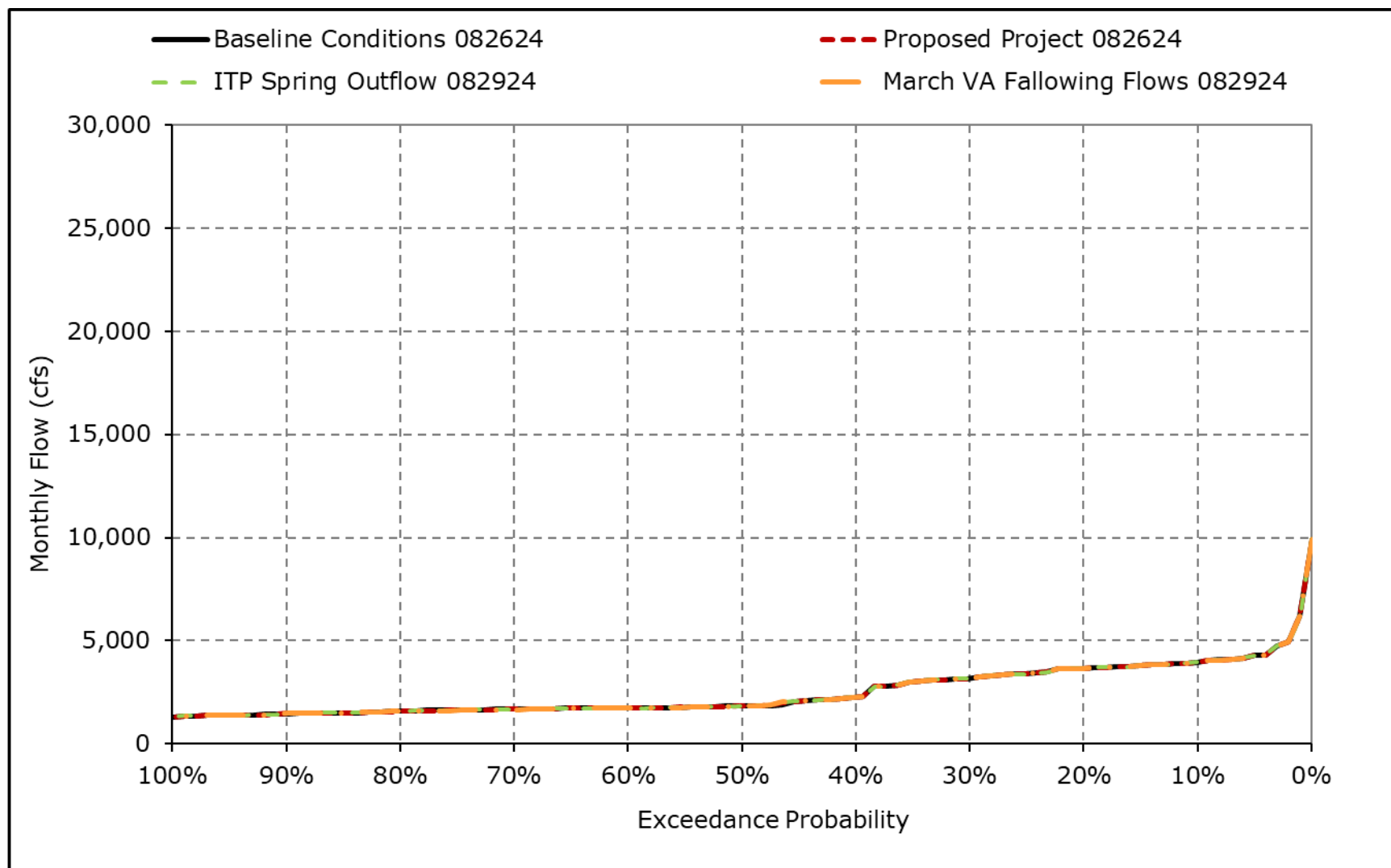


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

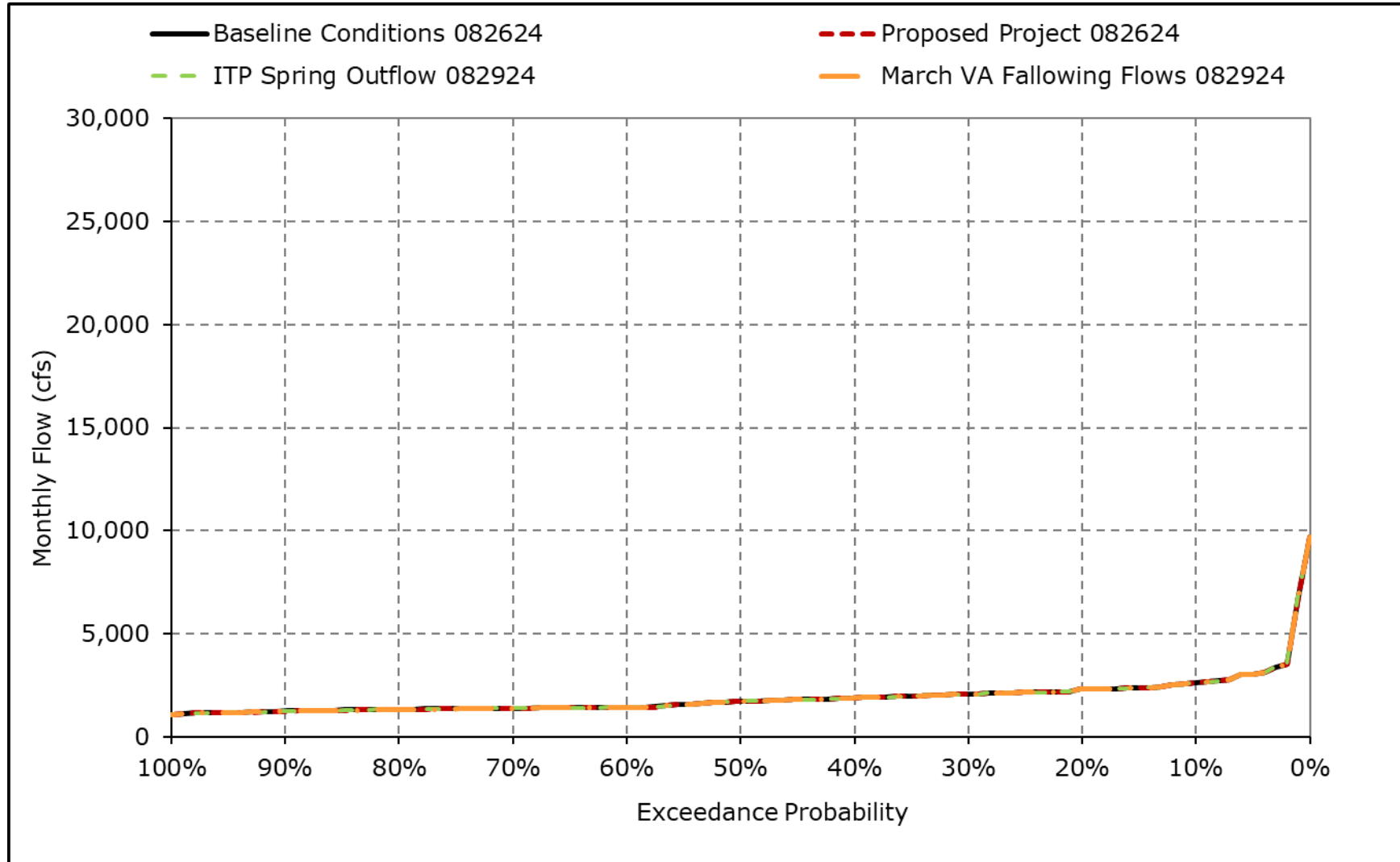
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



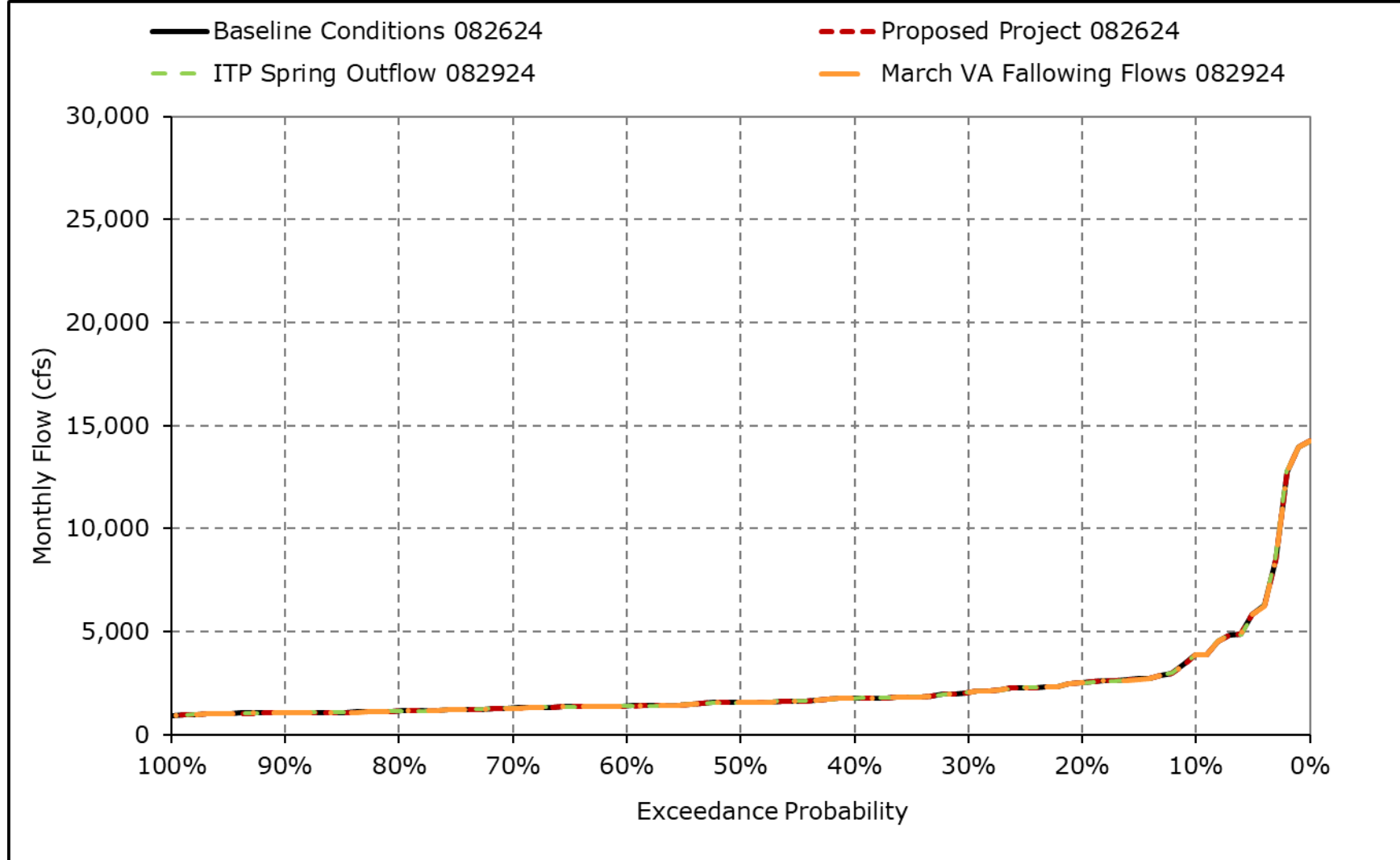
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



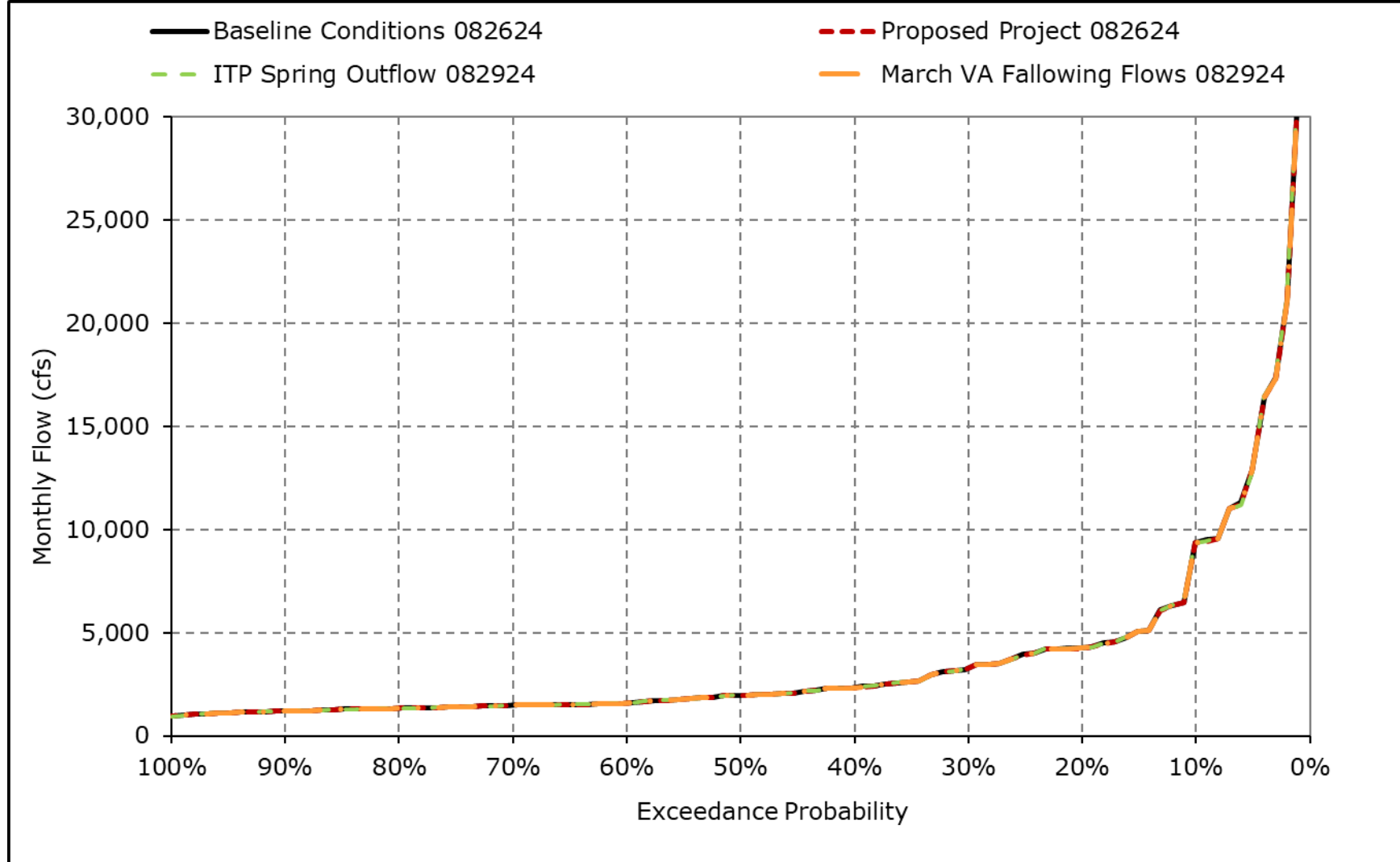
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



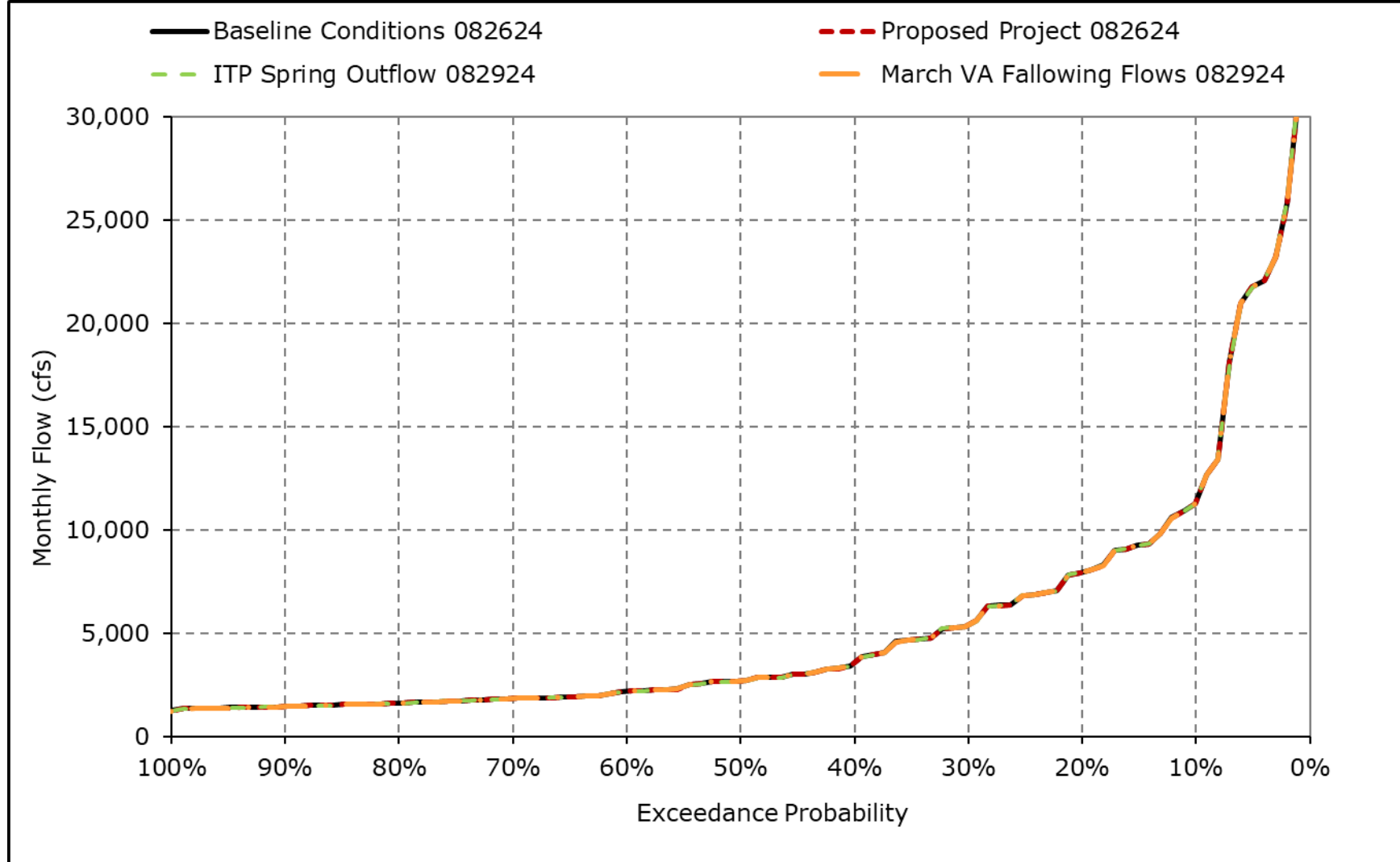
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



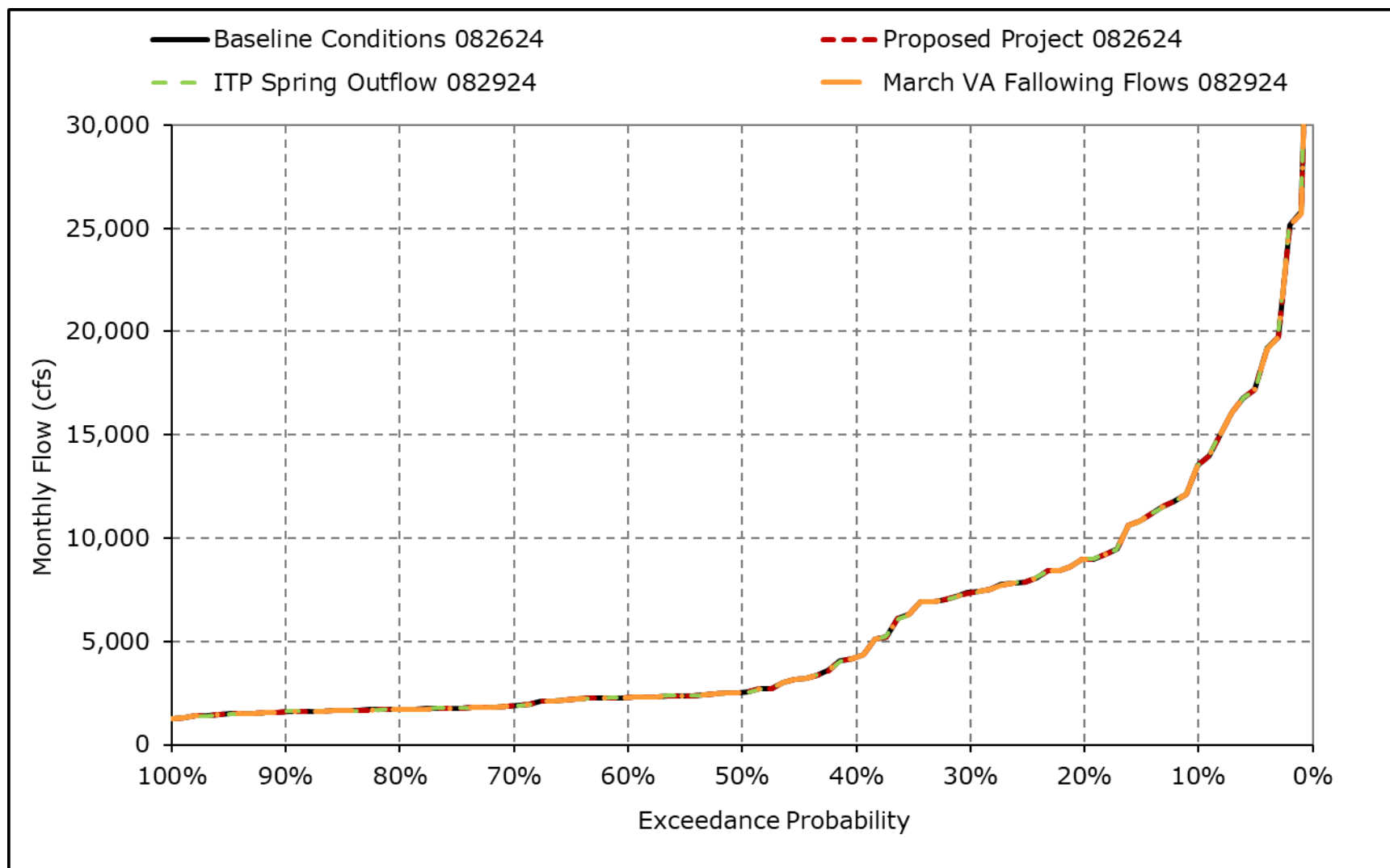
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



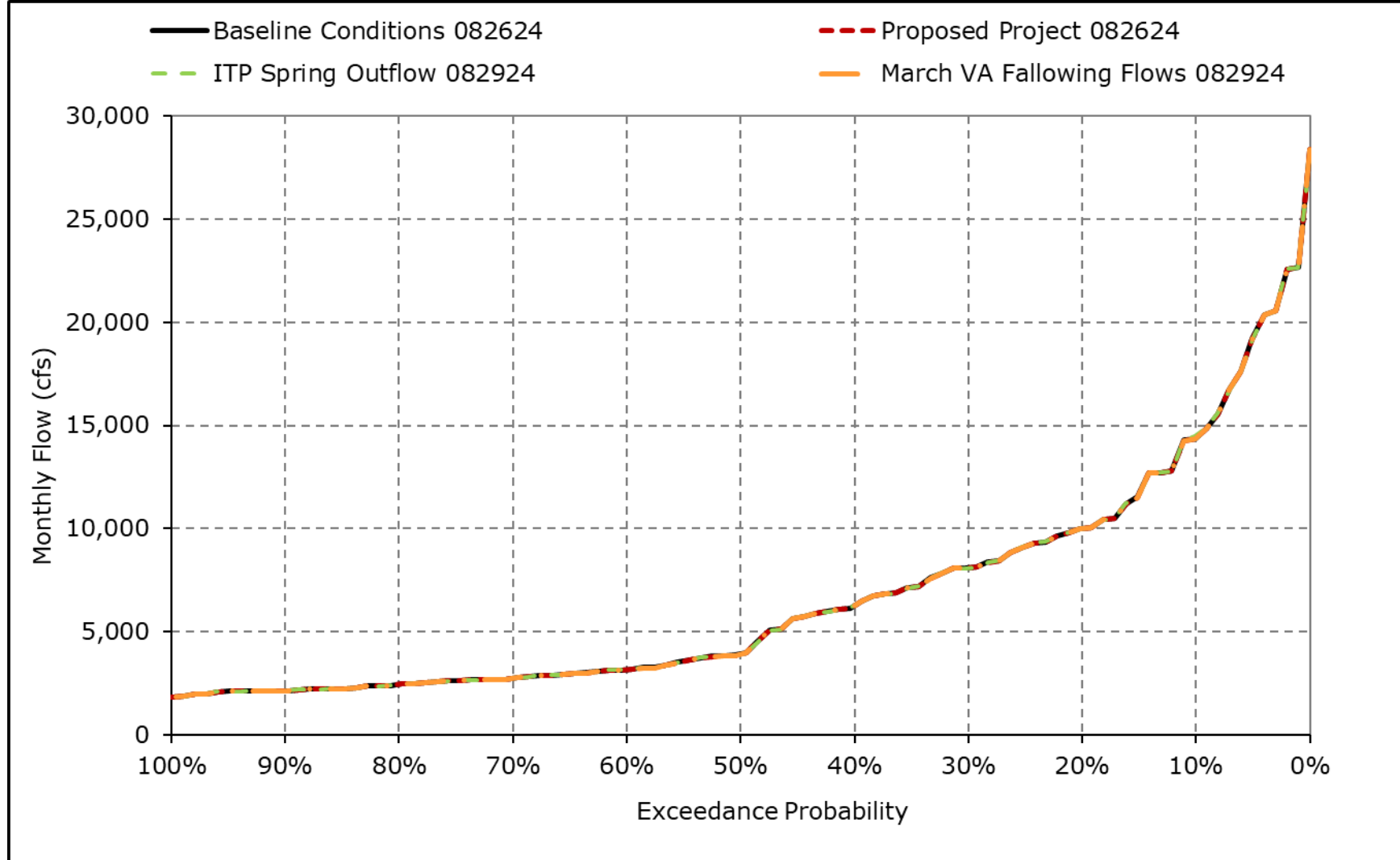
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



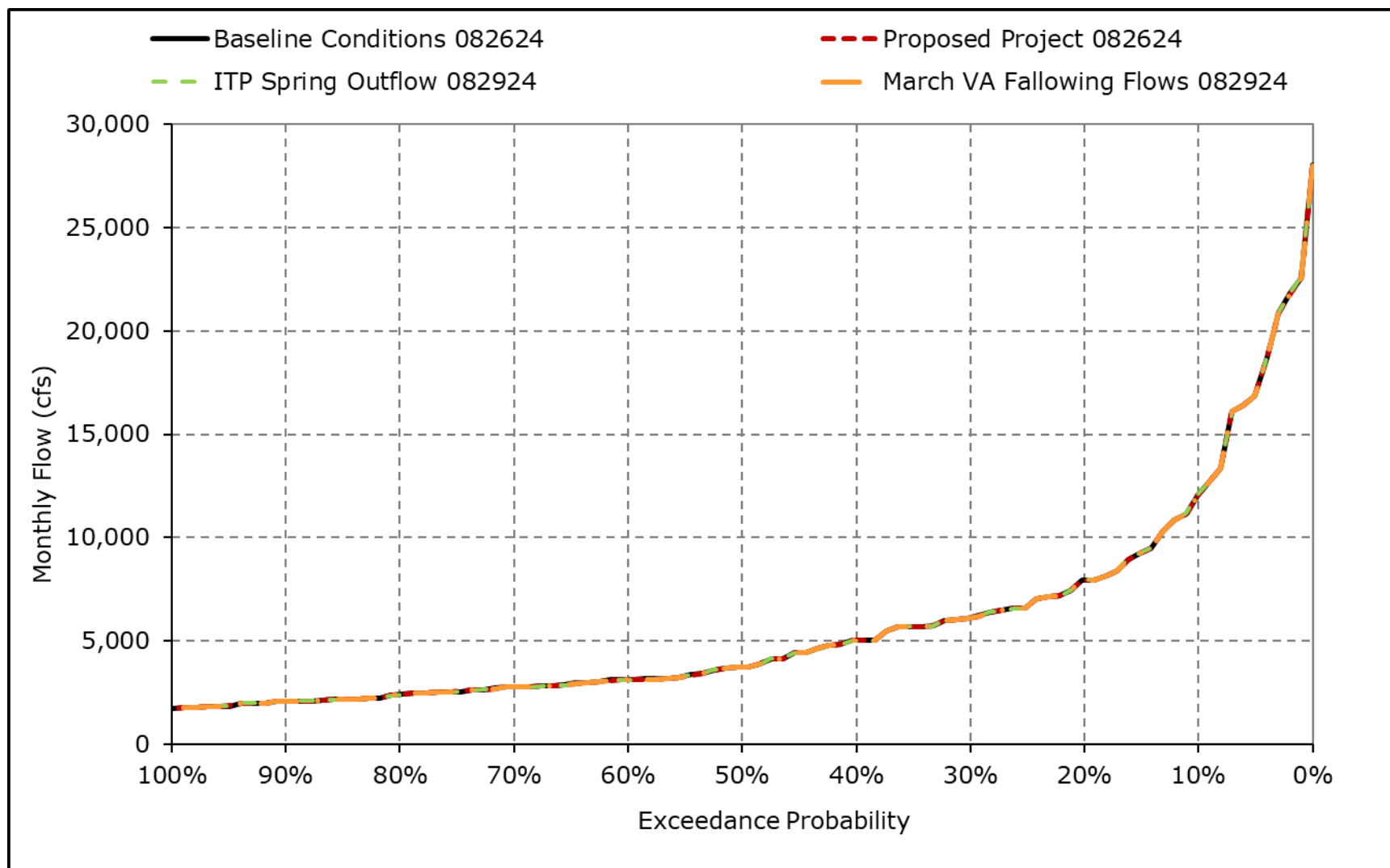
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



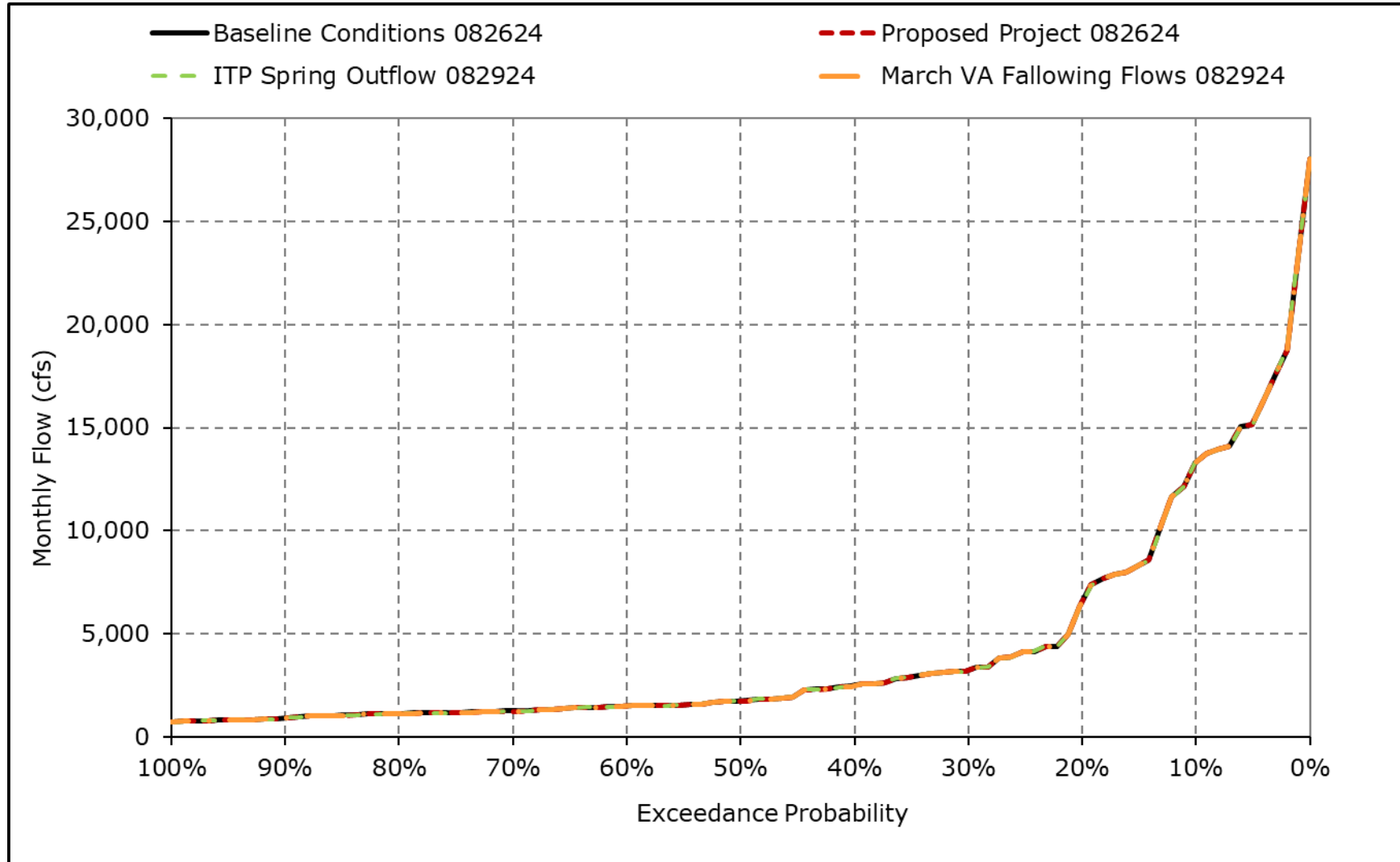
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



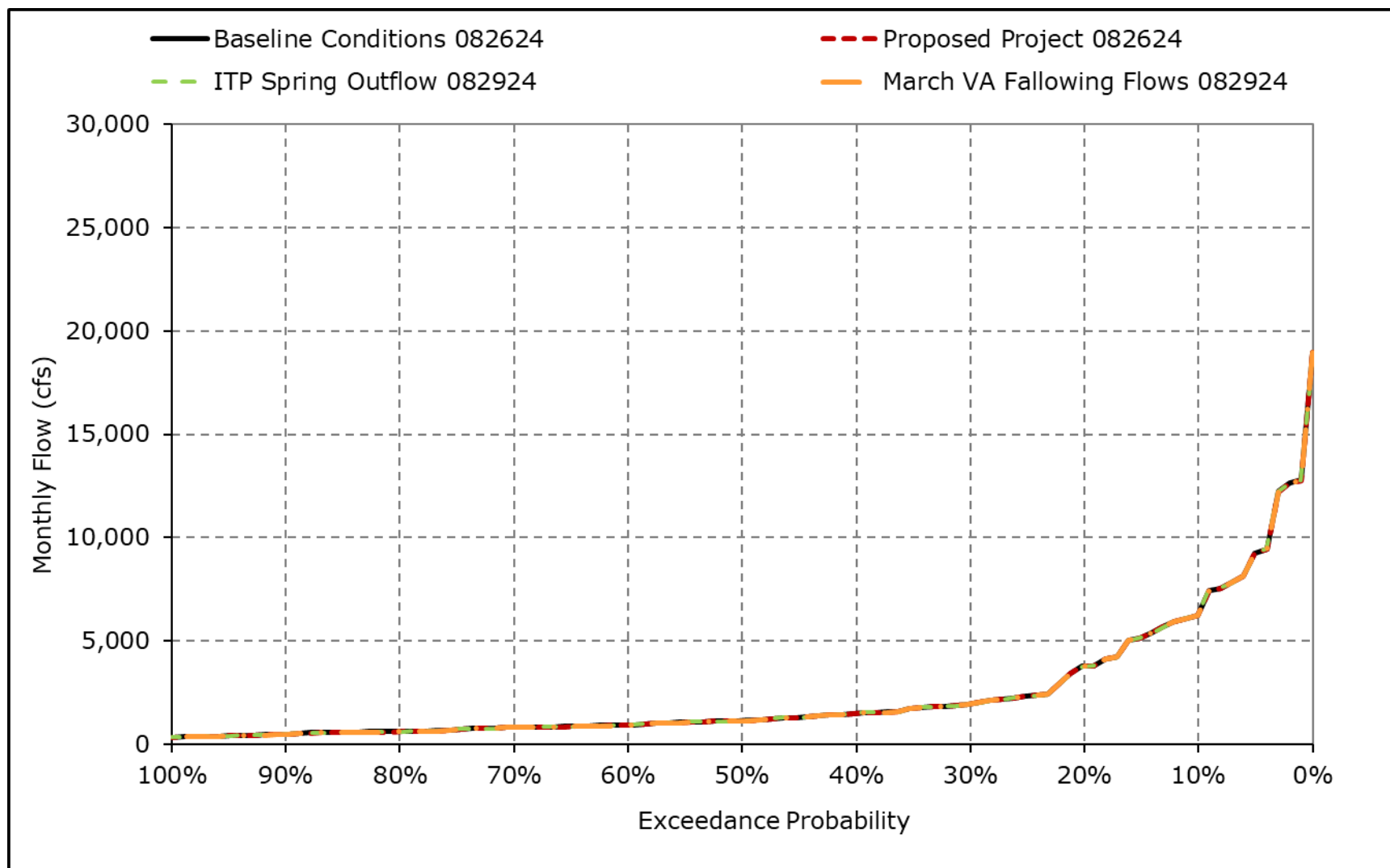
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



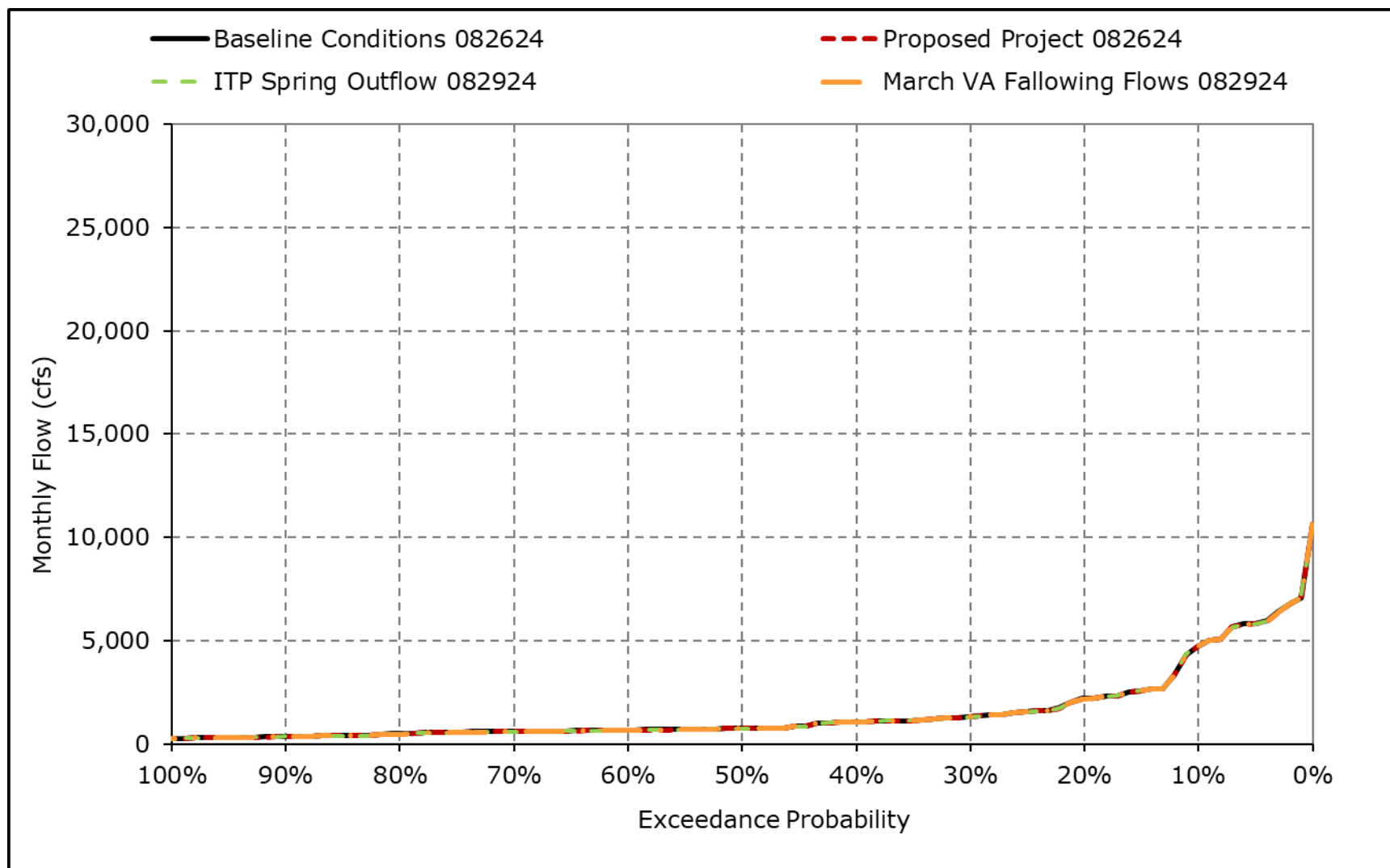
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



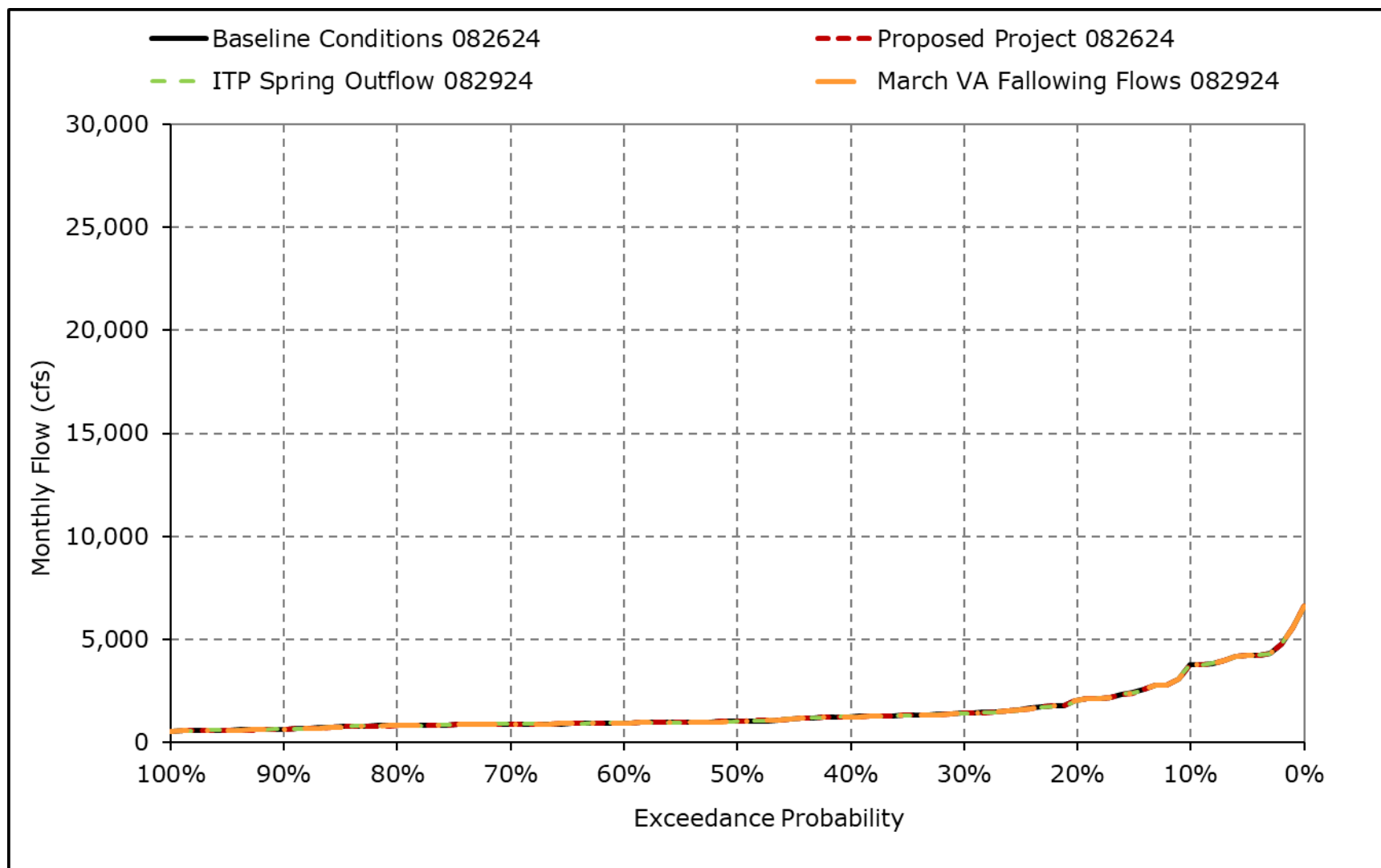
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



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

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



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

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

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

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

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

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

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

^a Based on the 100-year simulation period.

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

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

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

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

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

Table 4K-3-6-2b. San Joaquin River at Vernalis (60-20-20), ITP Spring Outflow 082924, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	3,970	2,639	3,873	9,358	11,399	13,577	14,512	12,118	13,326	6,335	4,759	3,778
20% Exceedance	3,675	2,319	2,518	4,303	7,950	8,982	10,002	7,940	6,529	3,762	2,196	2,039
30% Exceedance	3,191	2,053	2,060	3,282	5,394	7,364	8,098	6,112	3,232	1,940	1,328	1,434
40% Exceedance	2,276	1,882	1,770	2,330	3,583	4,244	6,277	5,015	2,491	1,480	1,068	1,262
50% Exceedance	1,840	1,711	1,567	1,963	2,678	2,529	3,920	3,736	1,741	1,142	756	1,048
60% Exceedance	1,737	1,429	1,395	1,589	2,177	2,282	3,169	3,113	1,482	931	682	962
70% Exceedance	1,680	1,380	1,294	1,474	1,831	1,883	2,751	2,758	1,243	807	602	903
80% Exceedance	1,576	1,331	1,155	1,335	1,602	1,707	2,435	2,405	1,140	606	488	822
90% Exceedance	1,472	1,233	1,080	1,201	1,459	1,611	2,144	2,067	916	490	365	665
Full Simulation Period Average ^a	2,536	1,919	2,285	4,070	5,547	5,937	6,709	5,821	4,236	2,493	1,574	1,546
Wet Water Years (24%)	2,779	2,053	3,641	9,734	13,113	14,597	14,700	12,751	11,675	6,927	4,164	3,245
Above Normal Water Years (18%)	2,648	2,350	2,686	4,072	6,065	5,975	7,543	5,931	3,687	2,023	1,310	1,428
Below Normal Water Years (13%)	2,553	1,950	2,039	2,192	3,508	3,742	5,073	4,449	1,957	1,170	750	981
Dry Water Years (13%)	2,848	1,936	1,712	1,839	2,023	2,309	3,076	3,036	1,408	908	634	912
Critical Water Years (32%)	2,157	1,557	1,374	1,489	1,842	1,786	2,387	2,250	1,040	613	497	826

Table 4K-3-6-2c. San Joaquin River at Vernalis (60-20-20), ITP Spring Outflow 082924 minus Baseline Conditions 082624, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-5	-3	-3	-12	-2	-3	98	-7	-4	-3	-1	-2
20% Exceedance	-3	-2	-3	31	-2	0	-3	-4	-2	-3	-2	-2
30% Exceedance	0	-2	-2	-2	-4	-2	-3	-6	-2	-1	-4	-5
40% Exceedance	-2	-2	-2	-3	-2	-4	-3	-4	-2	-3	-4	-5
50% Exceedance	-3	-3	-3	0	-3	-3	-2	-6	-5	-9	-4	5
60% Exceedance	-10	-3	-4	-2	-2	-3	-3	-9	-8	-6	-7	-4
70% Exceedance	-4	9	-4	-2	-1	-4	-3	-4	-5	0	-15	-6
80% Exceedance	-16	-1	-3	-4	-3	-6	-3	-9	-1	-12	-19	-5
90% Exceedance	7	-6	3	-1	1	-1	-2	-4	-12	2	10	8
Full Simulation Period Average ^a	-1	0	-2	-5	-3	-4	-2	-4	-4	-5	-4	-2
Wet Water Years (24%)	-4	-4	-4	-13	-6	-8	0	-4	-5	-4	-3	-3
Above Normal Water Years (18%)	13	10	3	0	-1	-2	-3	-3	-4	-3	-3	-2
Below Normal Water Years (13%)	-1	0	-1	-2	-2	-3	-3	-4	-4	-6	-7	-6
Dry Water Years (13%)	1	2	-2	-3	-3	-3	-5	-6	-6	-8	-10	-1
Critical Water Years (32%)	-7	-4	-3	-2	-3	-3	-3	-3	-3	-5	-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 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 4K-3-6-3a. San Joaquin River at Vernalis (60-20-20), Baseline Conditions 082624, Monthly Flow (cfs)

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

Table 4K-3-6-3b. San Joaquin River at Vernalis (60-20-20), March VA Following Flows 082924, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	3,971	2,639	3,873	9,358	11,400	13,578	14,416	12,119	13,322	6,335	4,758	3,778
20% Exceedance	3,675	2,319	2,518	4,261	7,950	8,981	10,002	7,940	6,530	3,763	2,196	2,039
30% Exceedance	3,191	2,052	2,060	3,282	5,394	7,364	8,098	6,112	3,232	1,939	1,328	1,433
40% Exceedance	2,276	1,882	1,770	2,330	3,584	4,243	6,277	5,015	2,493	1,480	1,069	1,264
50% Exceedance	1,839	1,711	1,567	1,963	2,678	2,530	3,920	3,736	1,741	1,142	755	1,034
60% Exceedance	1,736	1,430	1,395	1,589	2,177	2,282	3,169	3,115	1,482	928	682	964
70% Exceedance	1,665	1,370	1,293	1,474	1,831	1,884	2,750	2,758	1,245	808	602	902
80% Exceedance	1,596	1,328	1,154	1,336	1,603	1,708	2,435	2,406	1,140	606	489	822
90% Exceedance	1,472	1,245	1,079	1,201	1,460	1,611	2,144	2,068	915	490	357	658
Full Simulation Period Average ^a	2,535	1,917	2,284	4,069	5,547	5,937	6,708	5,821	4,236	2,493	1,574	1,545
Wet Water Years (24%)	2,775	2,050	3,640	9,734	13,113	14,598	14,696	12,751	11,676	6,927	4,165	3,245
Above Normal Water Years (18%)	2,644	2,340	2,681	4,069	6,063	5,975	7,543	5,931	3,687	2,022	1,311	1,428
Below Normal Water Years (13%)	2,552	1,949	2,039	2,192	3,508	3,742	5,073	4,449	1,957	1,170	750	982
Dry Water Years (13%)	2,847	1,935	1,713	1,839	2,023	2,309	3,076	3,037	1,408	909	634	907
Critical Water Years (32%)	2,160	1,559	1,375	1,490	1,841	1,786	2,387	2,250	1,040	612	495	825

Table 4K-3-6-3c. San Joaquin River at Vernalis (60-20-20), March VA Following Flows 082924 minus Baseline Conditions 082624, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-4	-3	-3	-11	-2	-3	2	-6	-7	-3	-1	-2
20% Exceedance	-3	-2	-3	-12	-2	-1	-2	-3	0	-3	-2	-2
30% Exceedance	0	-3	-2	-2	-3	-2	-3	-6	-2	-1	-3	-5
40% Exceedance	-2	-2	-1	-3	-2	-5	-3	-3	-1	-3	-3	-3
50% Exceedance	-4	-3	-3	0	-3	-3	-2	-6	-5	-9	-4	-10
60% Exceedance	-11	-3	-4	-2	-2	-3	-3	-7	-8	-9	-7	-2
70% Exceedance	-19	0	-5	-2	-1	-4	-3	-4	-4	1	-15	-7
80% Exceedance	4	-4	-4	-3	-2	-5	-3	-9	-1	-13	-17	-5
90% Exceedance	7	7	2	-1	1	-2	-2	-3	-14	2	2	1
Full Simulation Period Average ^a	-2	-2	-3	-5	-3	-4	-3	-4	-4	-5	-4	-3
Wet Water Years (24%)	-7	-7	-5	-13	-5	-8	-4	-5	-5	-4	-3	-2
Above Normal Water Years (18%)	9	1	-2	-3	-2	-3	-2	-3	-4	-4	-3	-3
Below Normal Water Years (13%)	-2	-1	-1	-2	-2	-3	-3	-4	-4	-6	-7	-6
Dry Water Years (13%)	0	1	-1	-3	-3	-3	-4	-5	-5	-7	-9	-6
Critical Water Years (32%)	-4	-2	-2	-2	-3	-2	-3	-3	-3	-6	-4	-1

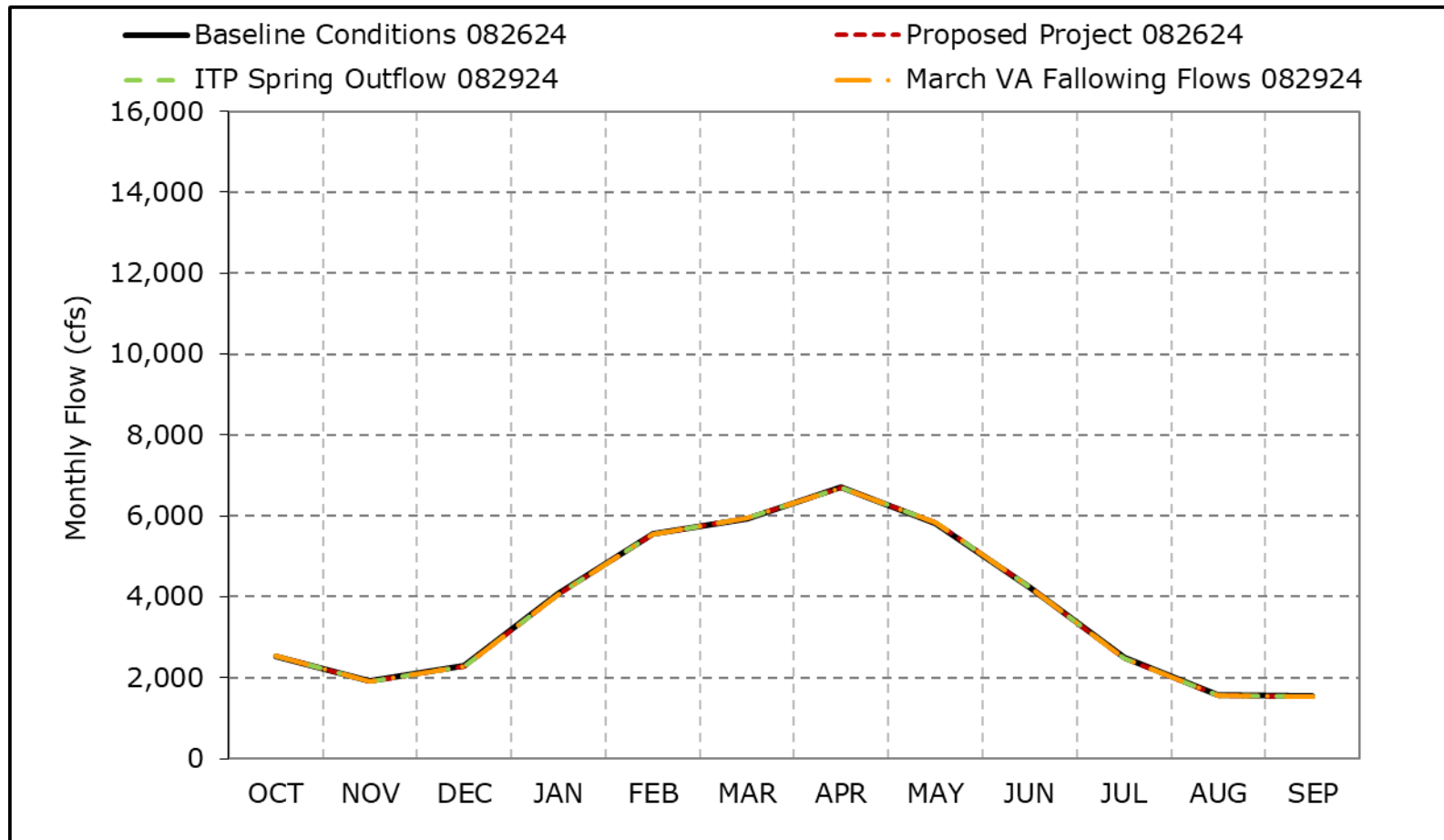
^a Based on the 100-year simulation period.

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

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

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

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

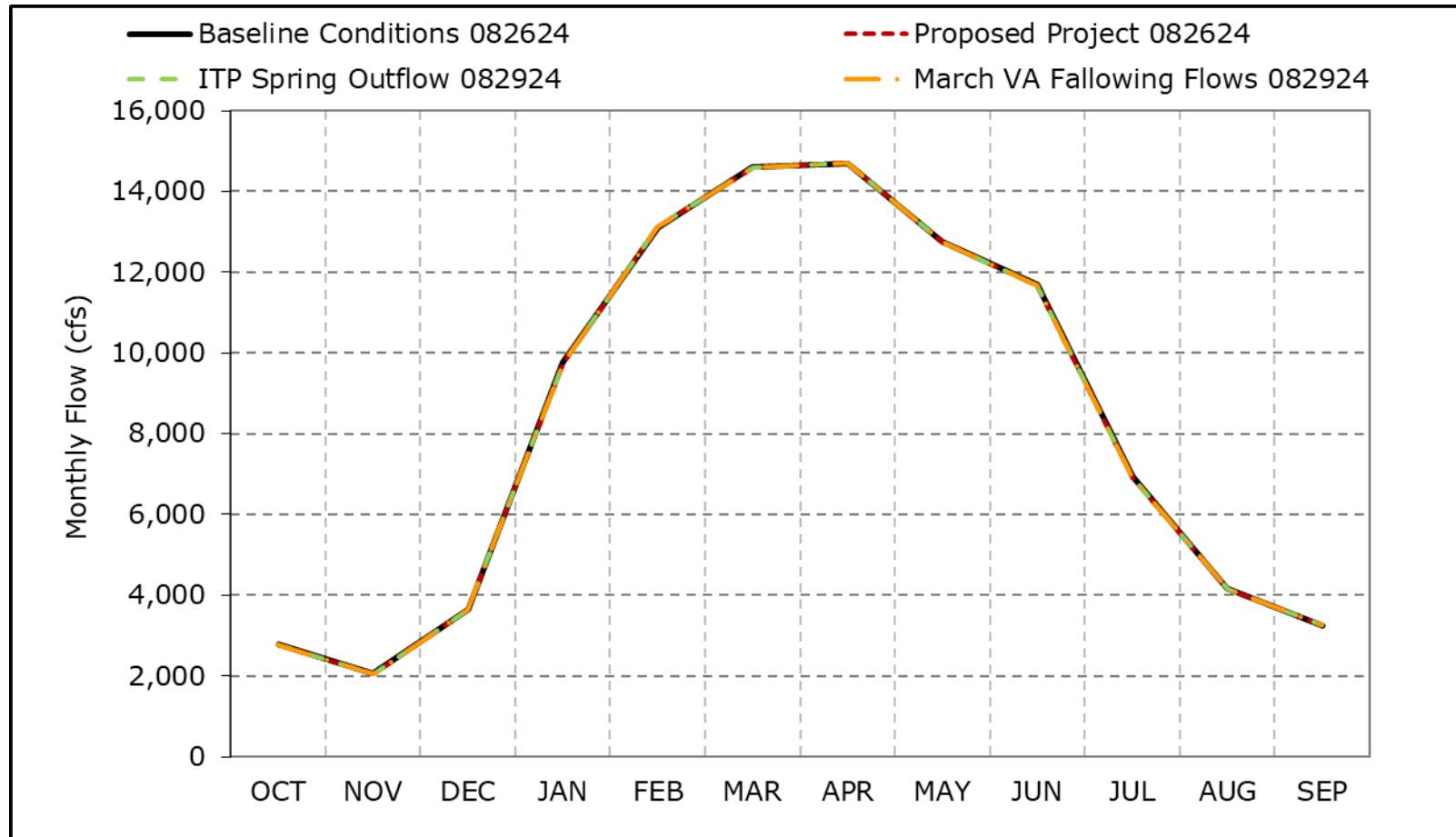


*As defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

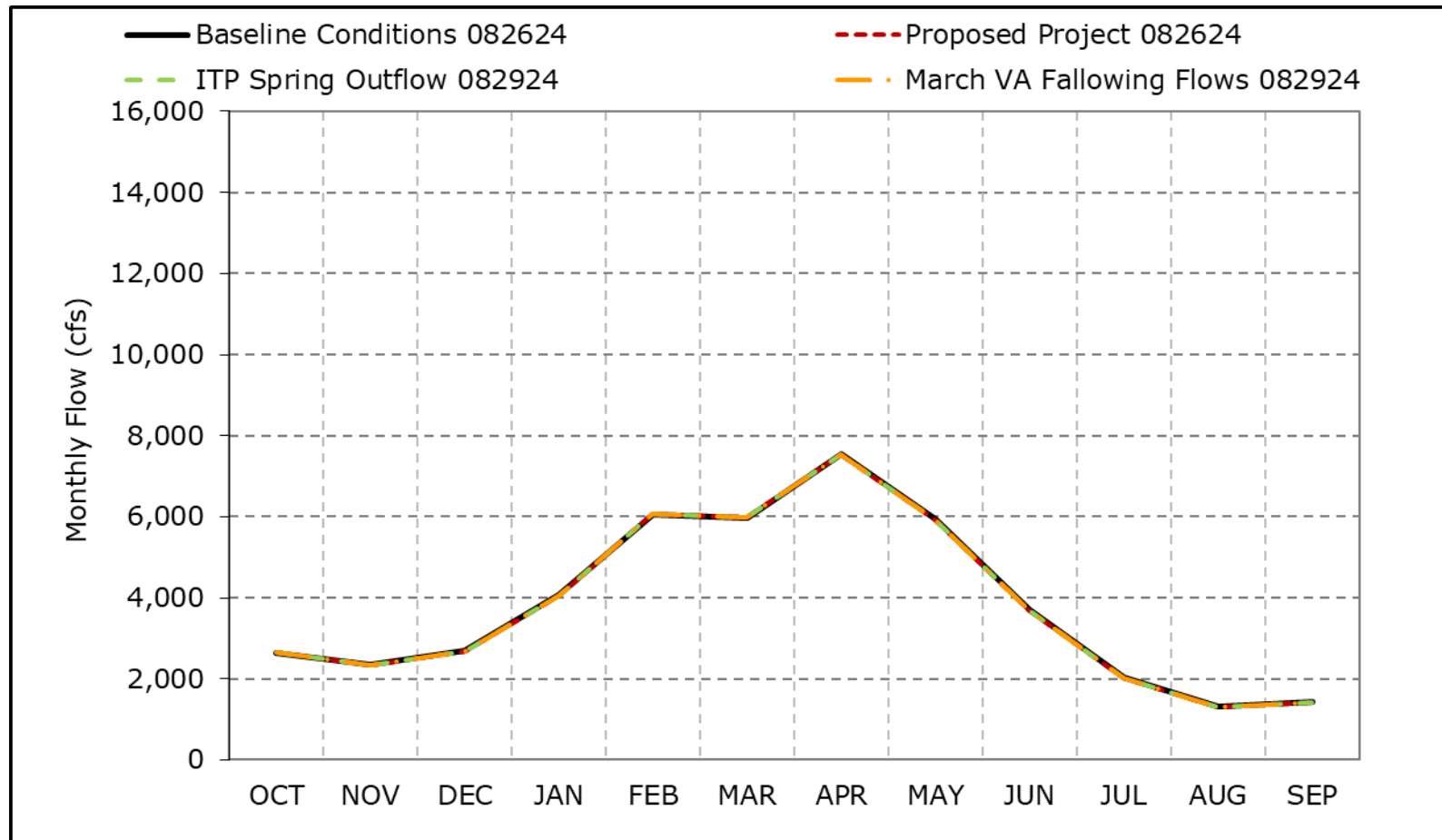


*As defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

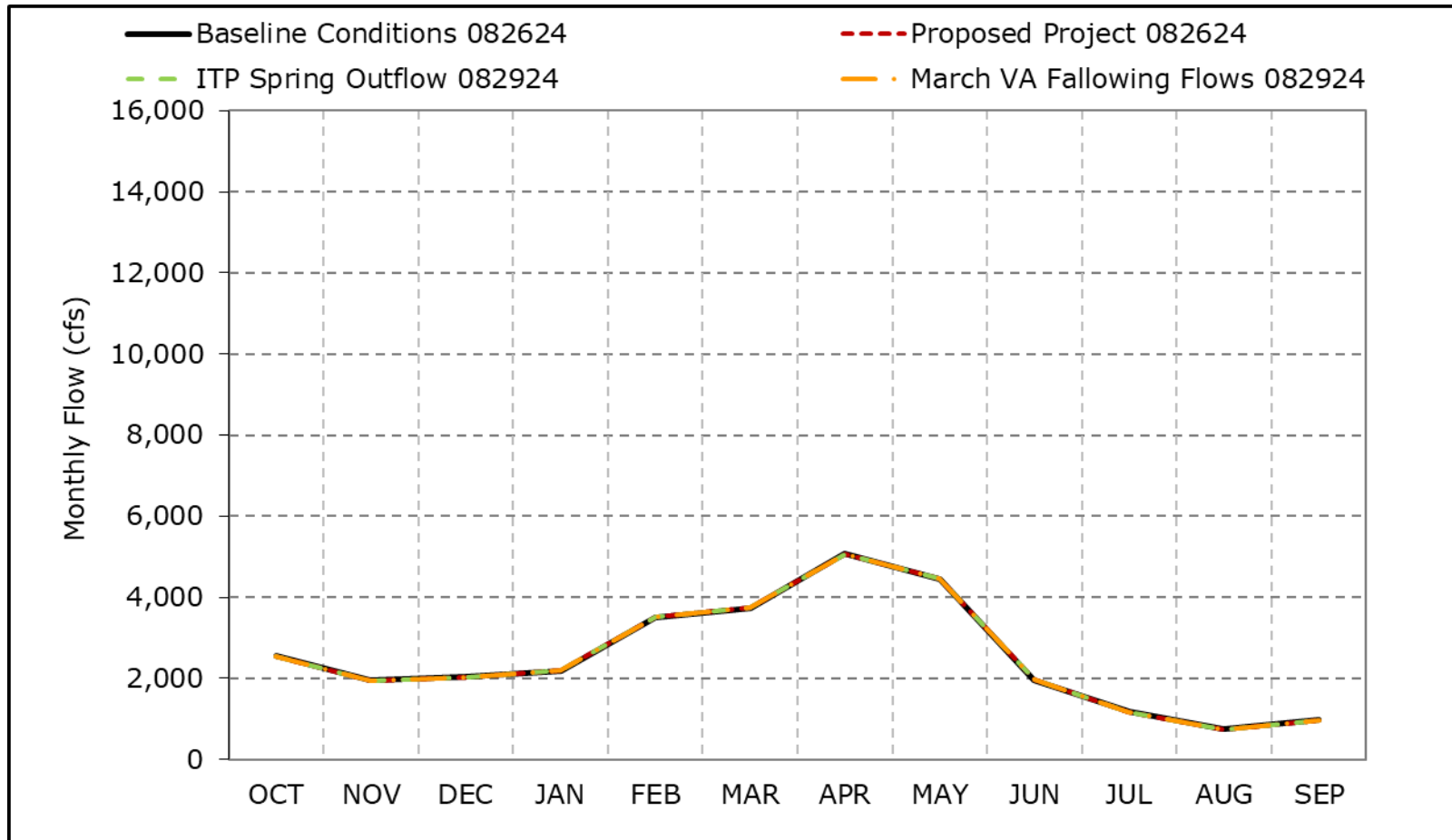


*As defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

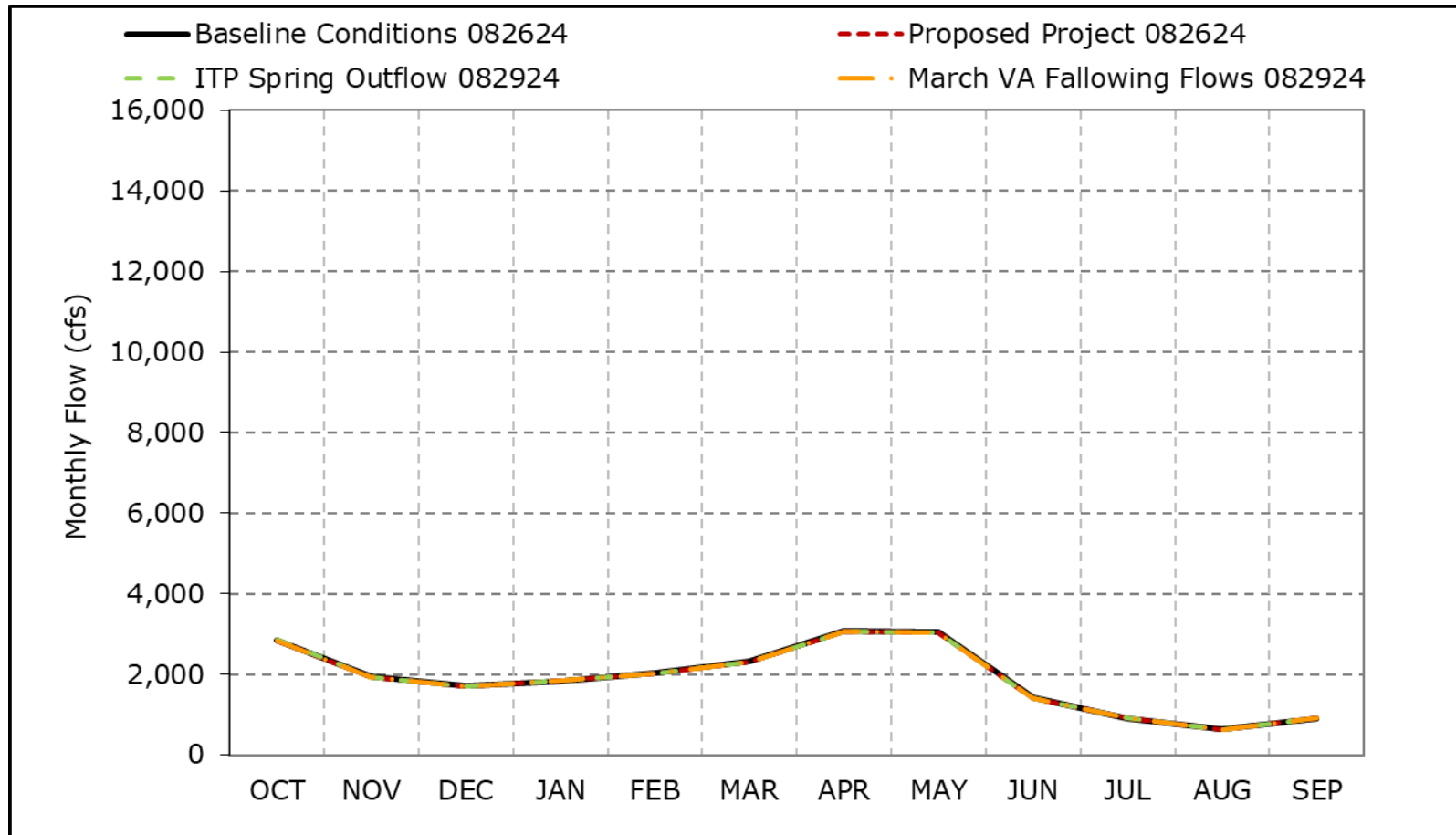


*As defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

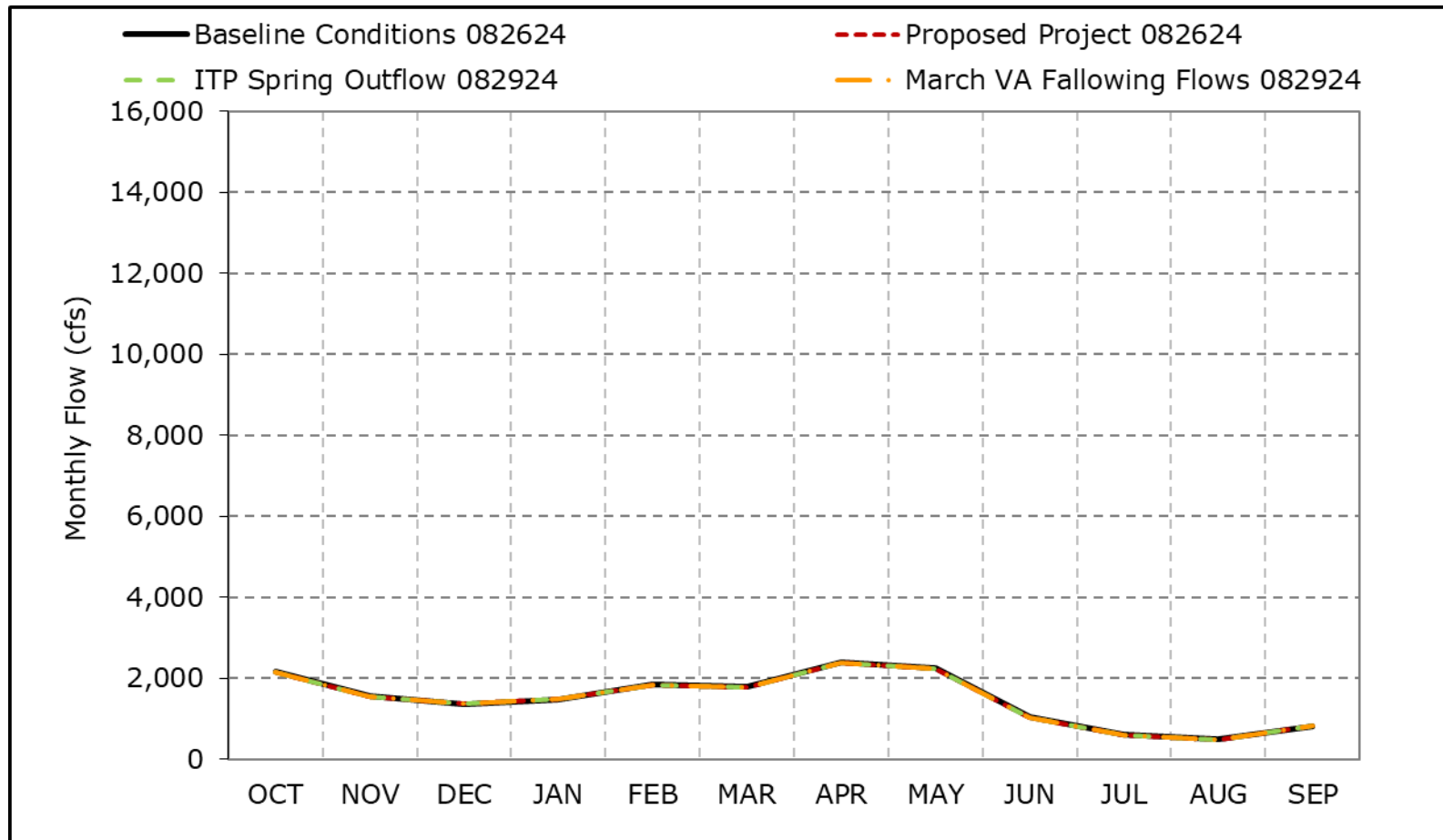


*As defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

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

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

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

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

^a Based on the 100-year simulation period.

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

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

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

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

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

Table 4K-3-7-2b. Mokelumne River below Cosumnes, ITP Spring Outflow 082924, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	532	717	2,529	6,241	5,962	5,448	4,818	4,237	2,330	978	763	866
20% Exceedance	420	517	1,390	3,739	3,980	3,727	2,754	2,430	1,739	794	721	839
30% Exceedance	374	432	812	1,935	3,068	2,857	1,926	1,545	1,155	648	680	805
40% Exceedance	345	385	595	1,243	2,028	2,277	1,717	1,100	607	550	643	754
50% Exceedance	325	360	510	906	1,275	1,500	1,320	858	407	122	164	655
60% Exceedance	307	341	438	685	1,086	1,294	904	605	275	81	72	73
70% Exceedance	261	313	409	531	808	1,036	714	469	131	73	62	60
80% Exceedance	222	275	373	461	599	793	610	314	79	54	48	49
90% Exceedance	208	225	276	370	476	549	414	135	59	39	30	35
Full Simulation Period Average ^a	369	473	1,120	2,248	2,573	2,504	1,965	1,526	882	463	375	448
Wet Water Years (32%)	472	707	2,210	5,061	5,057	4,759	3,820	3,227	1,950	1,043	739	849
Above Normal Water Years (9%)	310	390	713	2,101	2,398	2,468	1,664	1,425	976	464	545	634
Below Normal Water Years (20%)	367	412	740	1,106	1,907	2,009	1,625	1,055	559	283	305	410
Dry Water Years (21%)	320	361	554	646	1,055	1,162	916	526	194	112	106	142
Critical Water Years (18%)	274	299	469	458	754	627	420	244	97	40	35	41

Table 4K-3-7-2c. Mokelumne River below Cosumnes, ITP Spring Outflow 082924 minus Baseline Conditions 082624, Monthly Flow (cfs)

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

^a Based on the 100-year simulation period.

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

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

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

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

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

Table 4K-3-7-3b. Mokelumne River below Cosumnes, March VA Following Flows 082924, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	532	717	2,529	6,241	5,962	5,448	4,818	4,237	2,330	978	763	866
20% Exceedance	420	517	1,390	3,739	3,980	3,727	2,754	2,430	1,739	794	722	839
30% Exceedance	374	432	812	1,935	3,068	2,857	1,926	1,545	1,155	644	680	805
40% Exceedance	345	385	595	1,243	2,028	2,277	1,717	1,100	607	550	643	754
50% Exceedance	325	360	510	906	1,275	1,500	1,319	858	407	122	164	655
60% Exceedance	307	341	438	685	1,086	1,294	904	605	275	81	72	73
70% Exceedance	261	313	409	531	808	1,036	714	469	131	73	62	60
80% Exceedance	222	275	373	461	599	793	610	314	79	54	47	49
90% Exceedance	208	225	276	370	476	549	414	135	58	40	31	34
Full Simulation Period Average ^a	369	473	1,120	2,248	2,573	2,504	1,965	1,526	882	463	375	448
Wet Water Years (32%)	472	707	2,210	5,061	5,057	4,759	3,820	3,227	1,950	1,043	739	849
Above Normal Water Years (9%)	310	390	713	2,101	2,398	2,468	1,664	1,425	976	464	544	634
Below Normal Water Years (20%)	367	412	740	1,106	1,907	2,009	1,625	1,055	559	281	305	410
Dry Water Years (21%)	320	361	554	646	1,055	1,162	916	526	194	112	106	142
Critical Water Years (18%)	274	299	469	458	754	627	420	244	97	40	35	40

Table 4K-3-7-3c. Mokelumne River below Cosumnes, March VA Following Flows 082924 minus Baseline Conditions 082624, Monthly Flow (cfs)

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

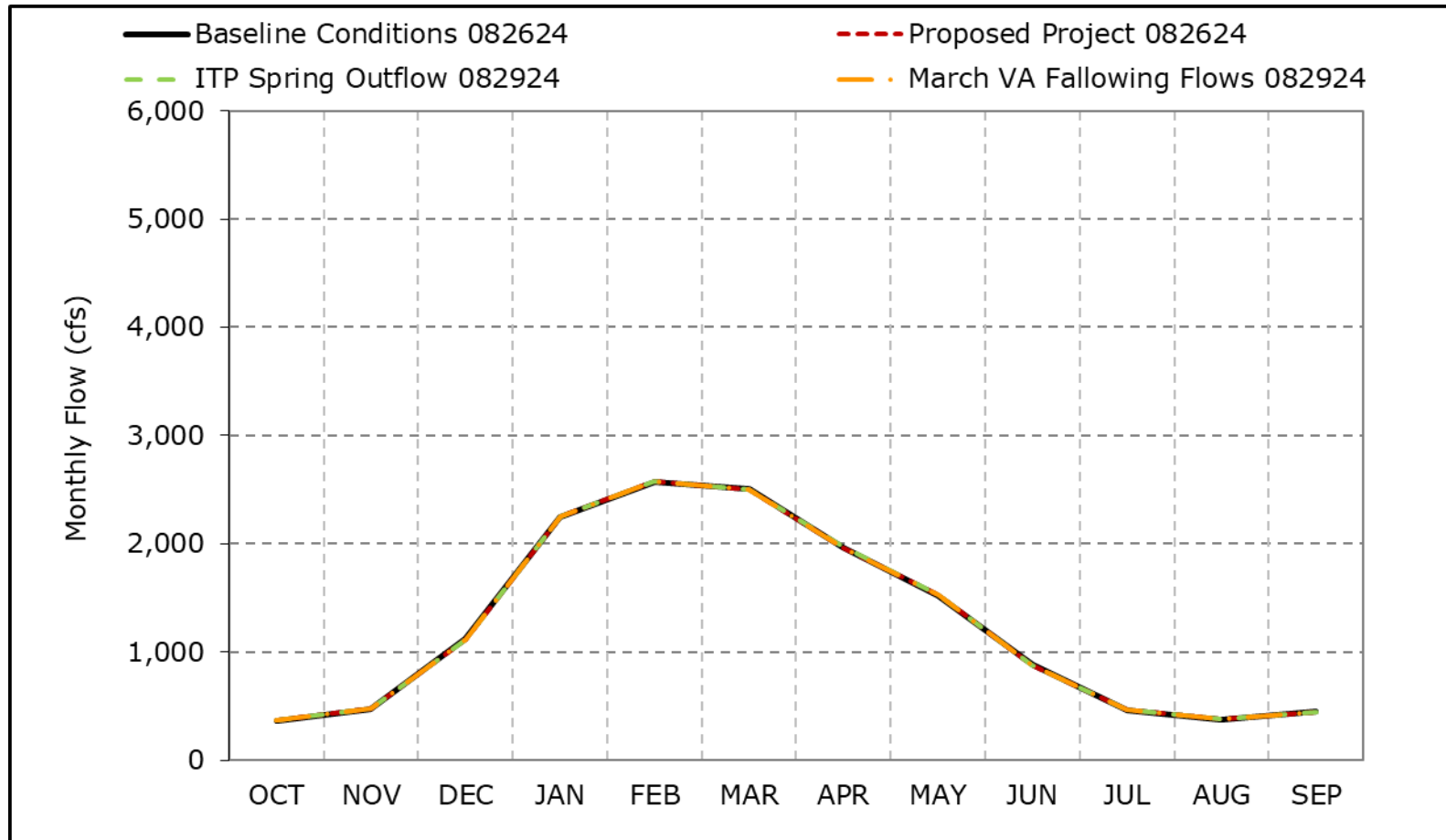
^a Based on the 100-year simulation period.

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

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

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

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

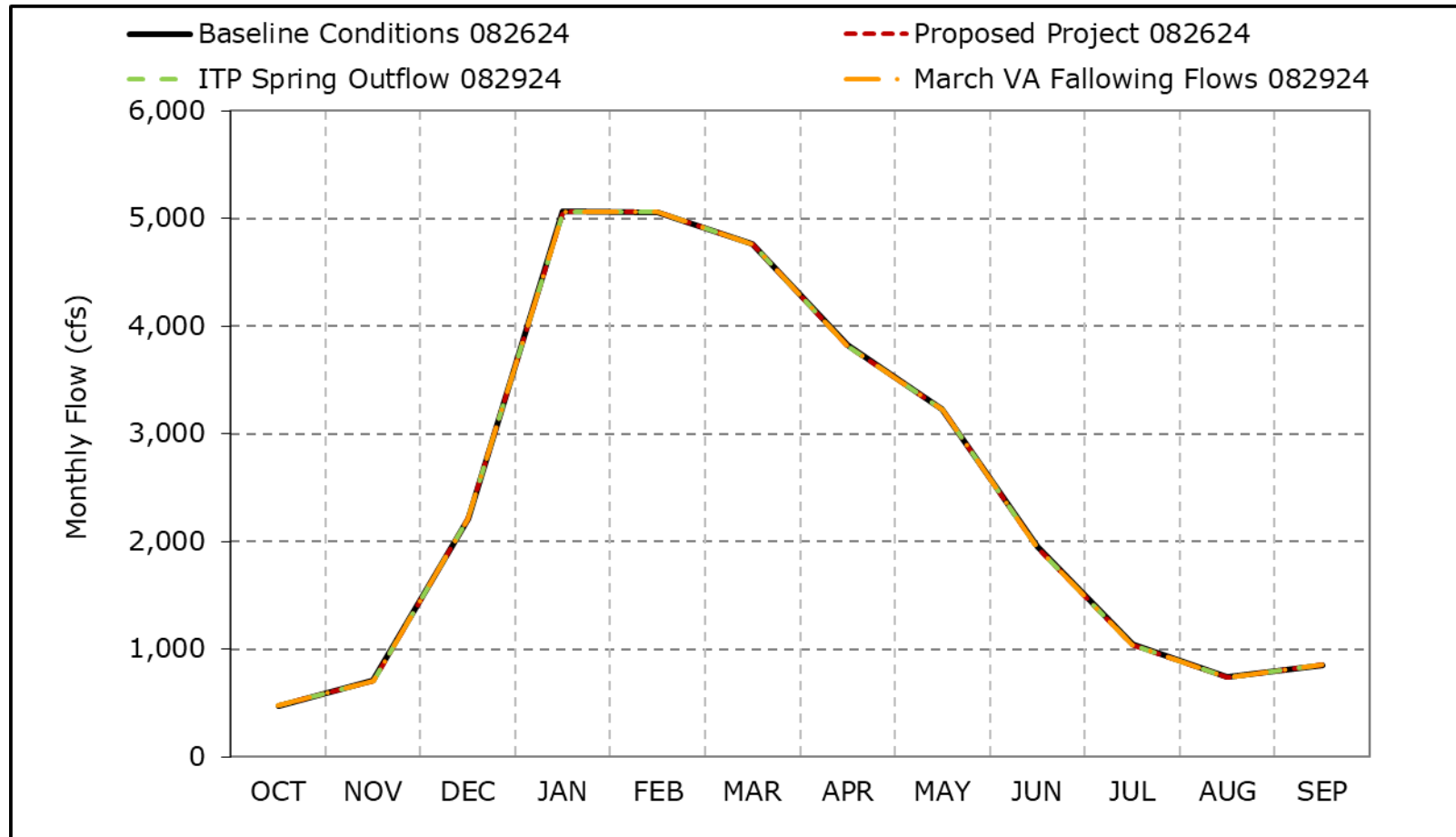


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*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 4K-3-7b. Mokelumne River below Cosumnes, Wet Year Average Flow

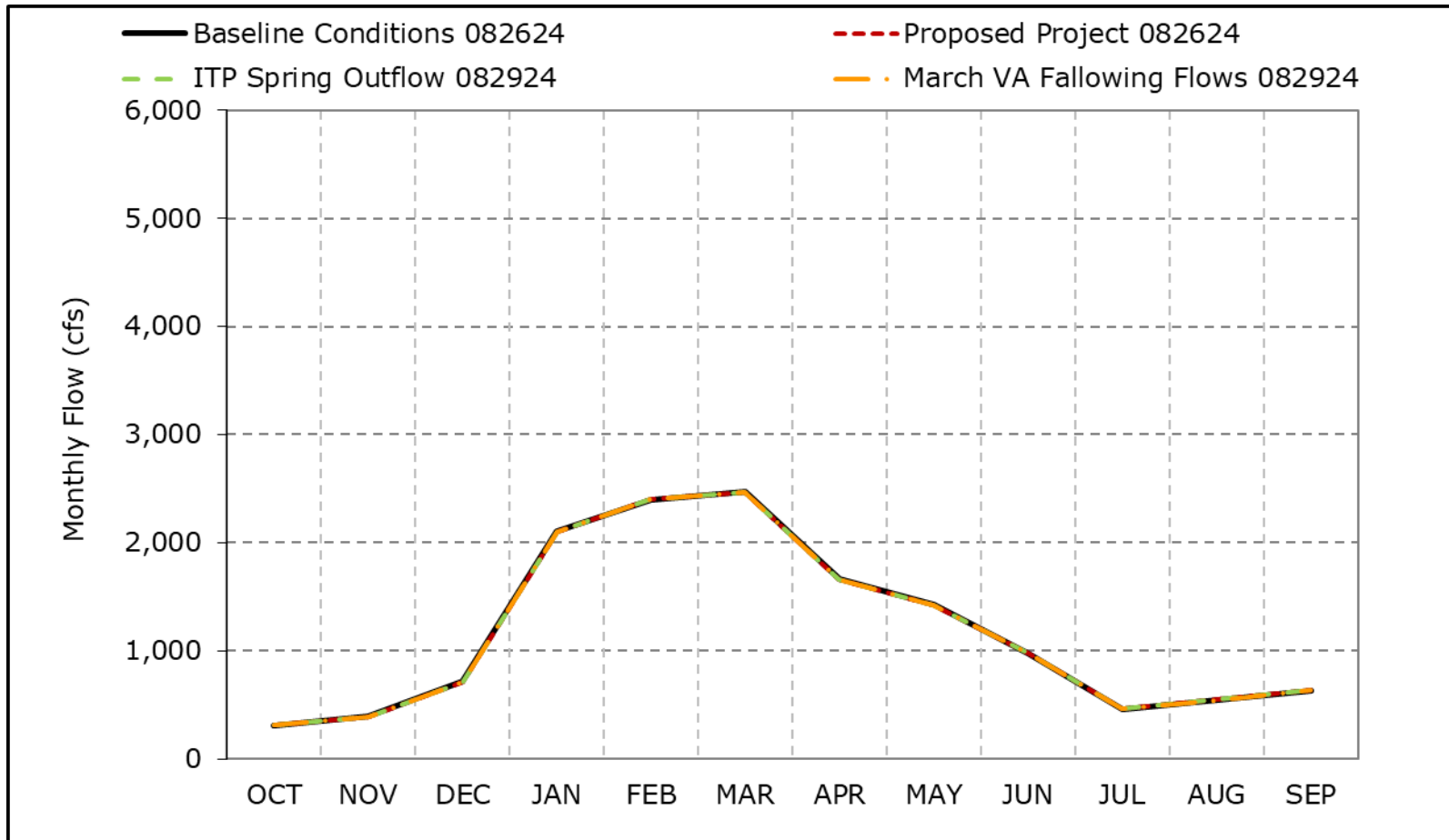


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

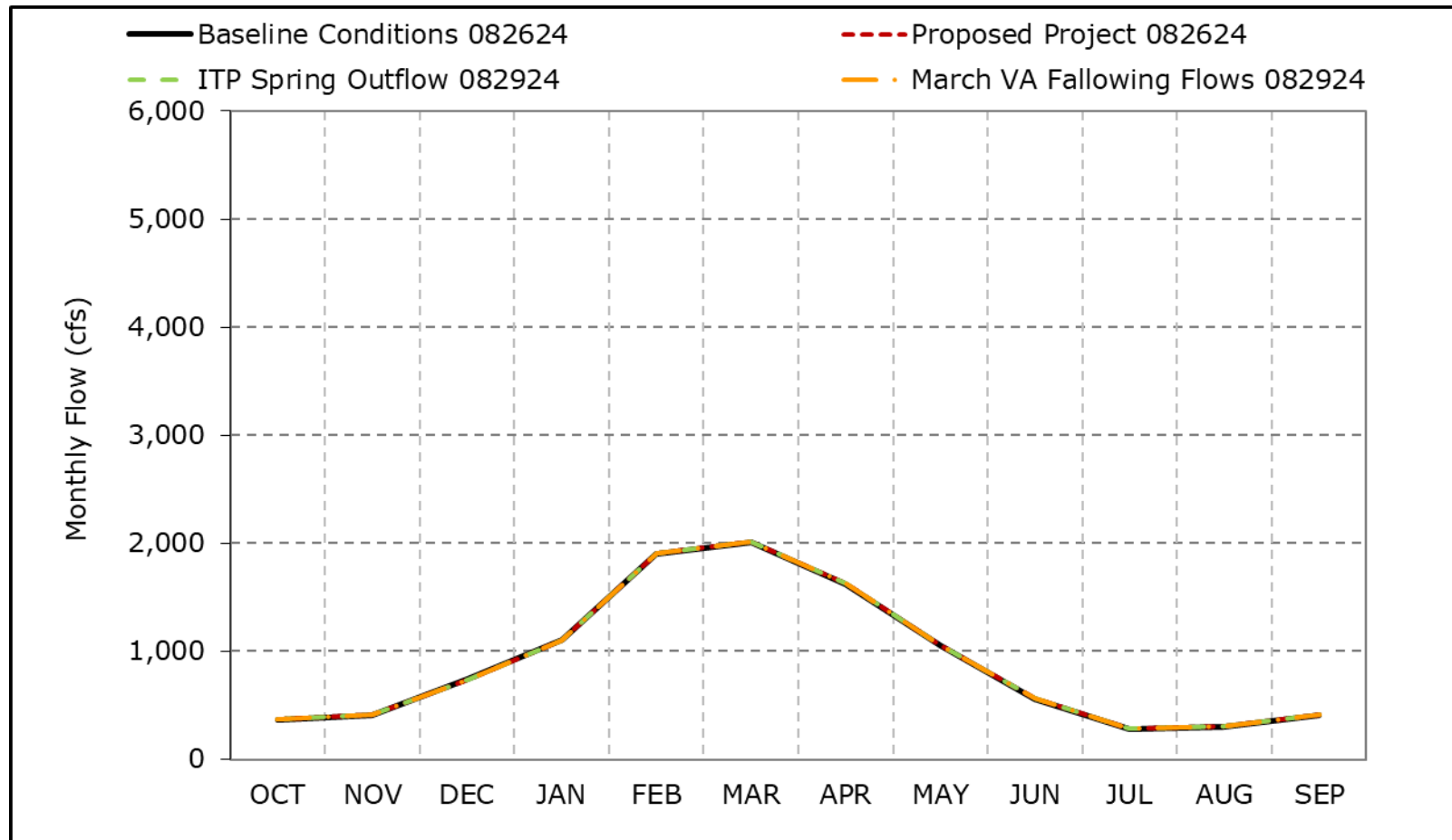


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

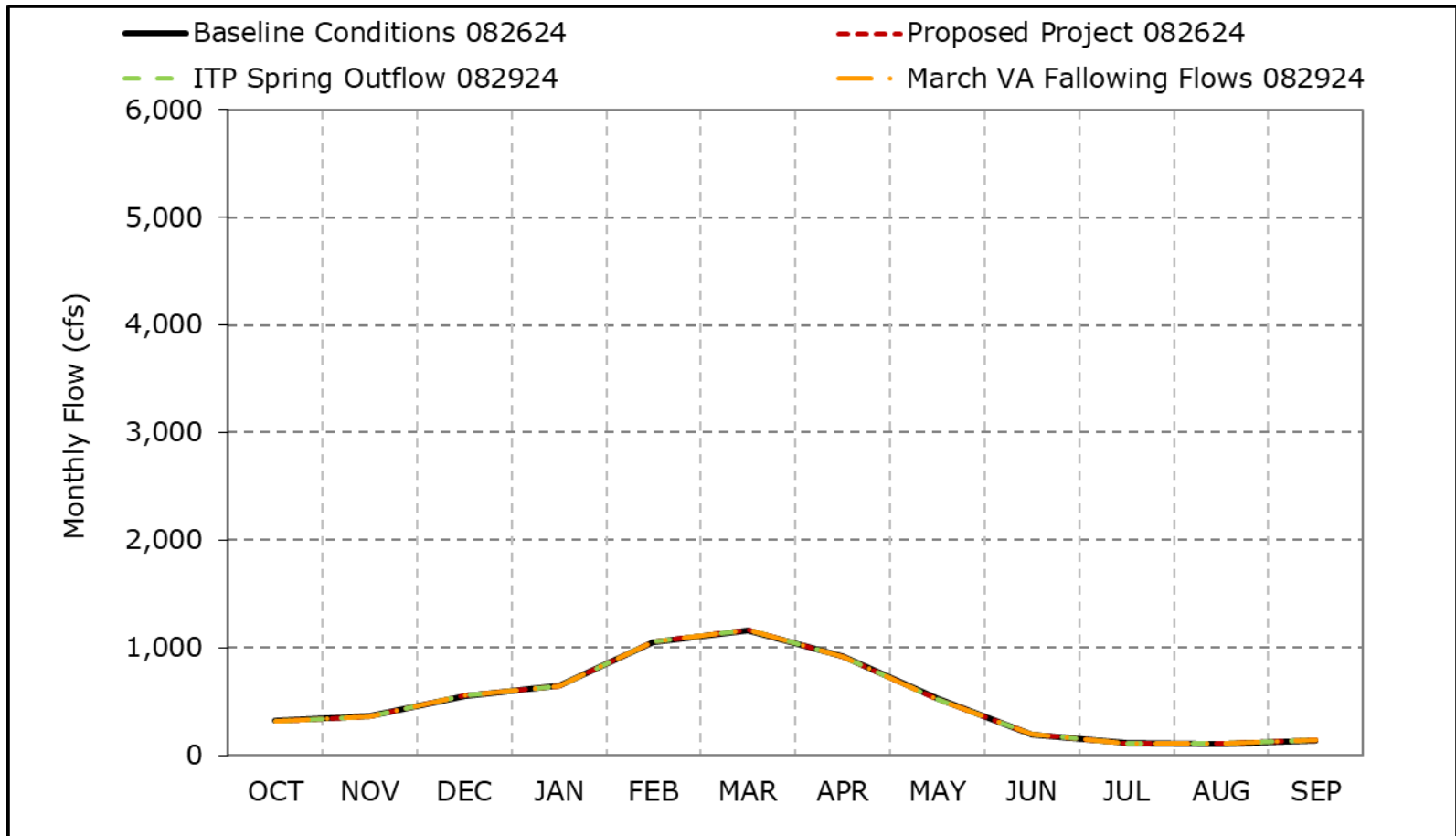


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*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 4K-3-7e. Mokelumne River below Cosumnes, Dry Year Average Flow

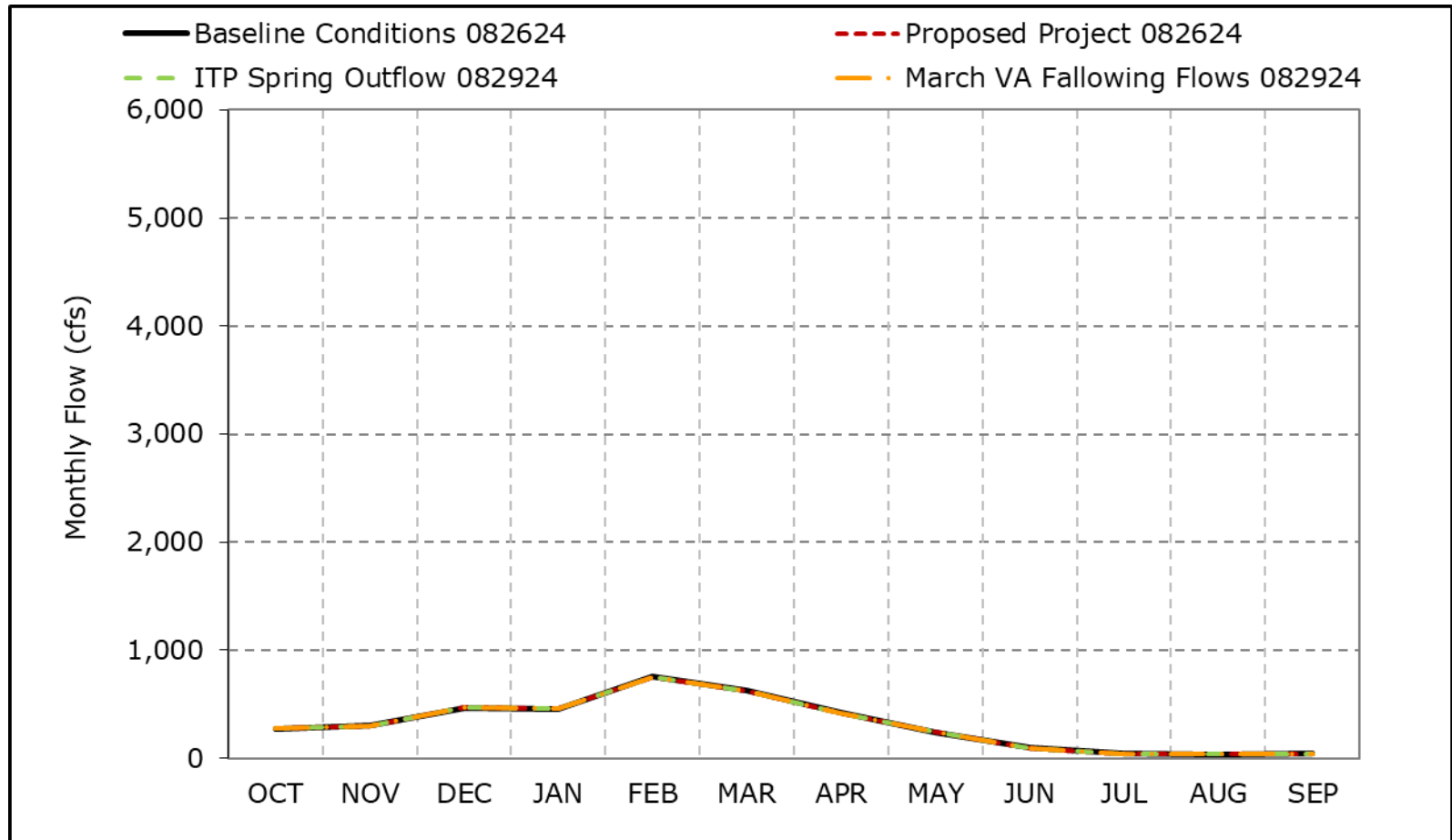


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*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 4K-3-7f. Mokelumne River below Cosumnes, Critical Year Average Flow

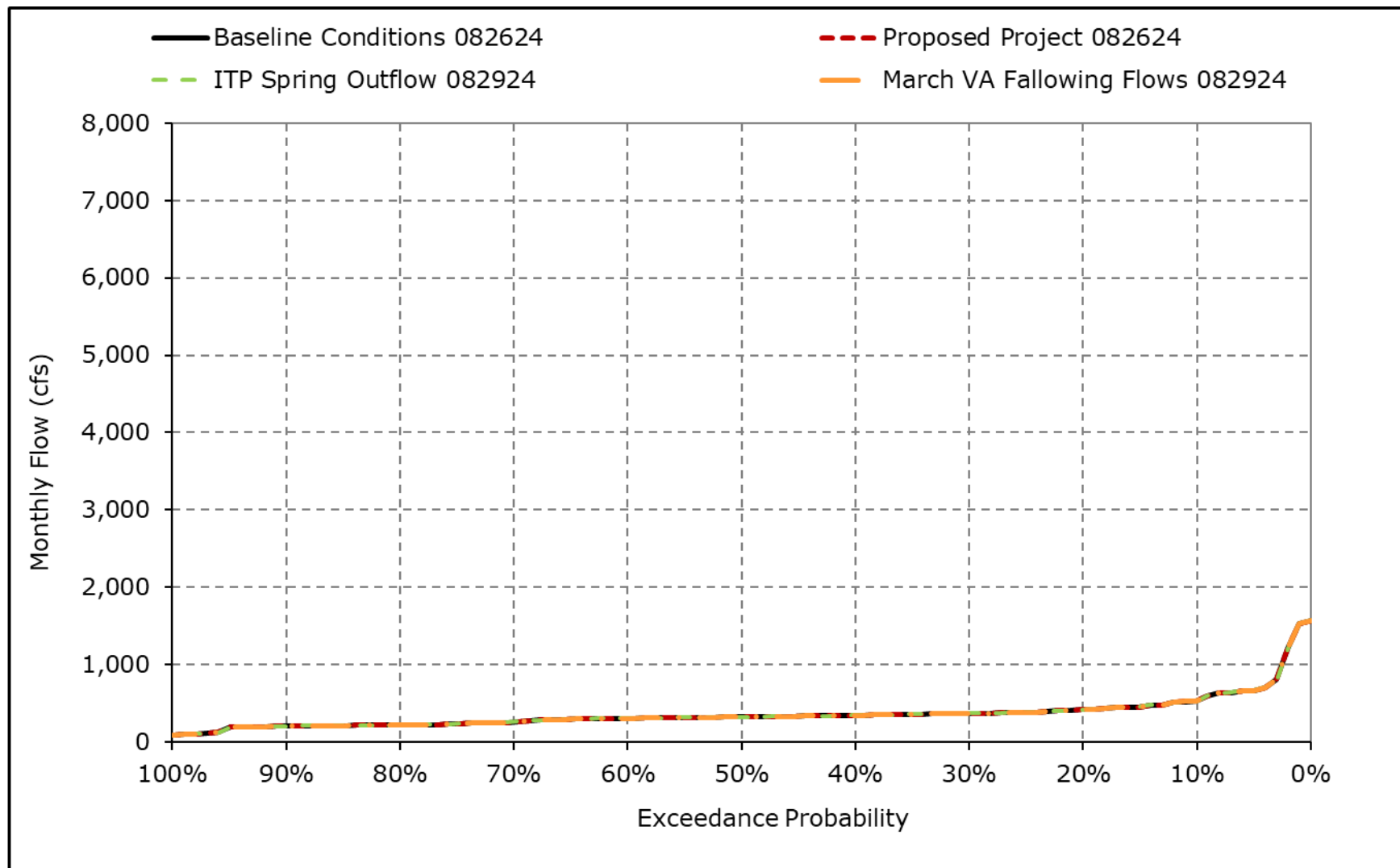


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

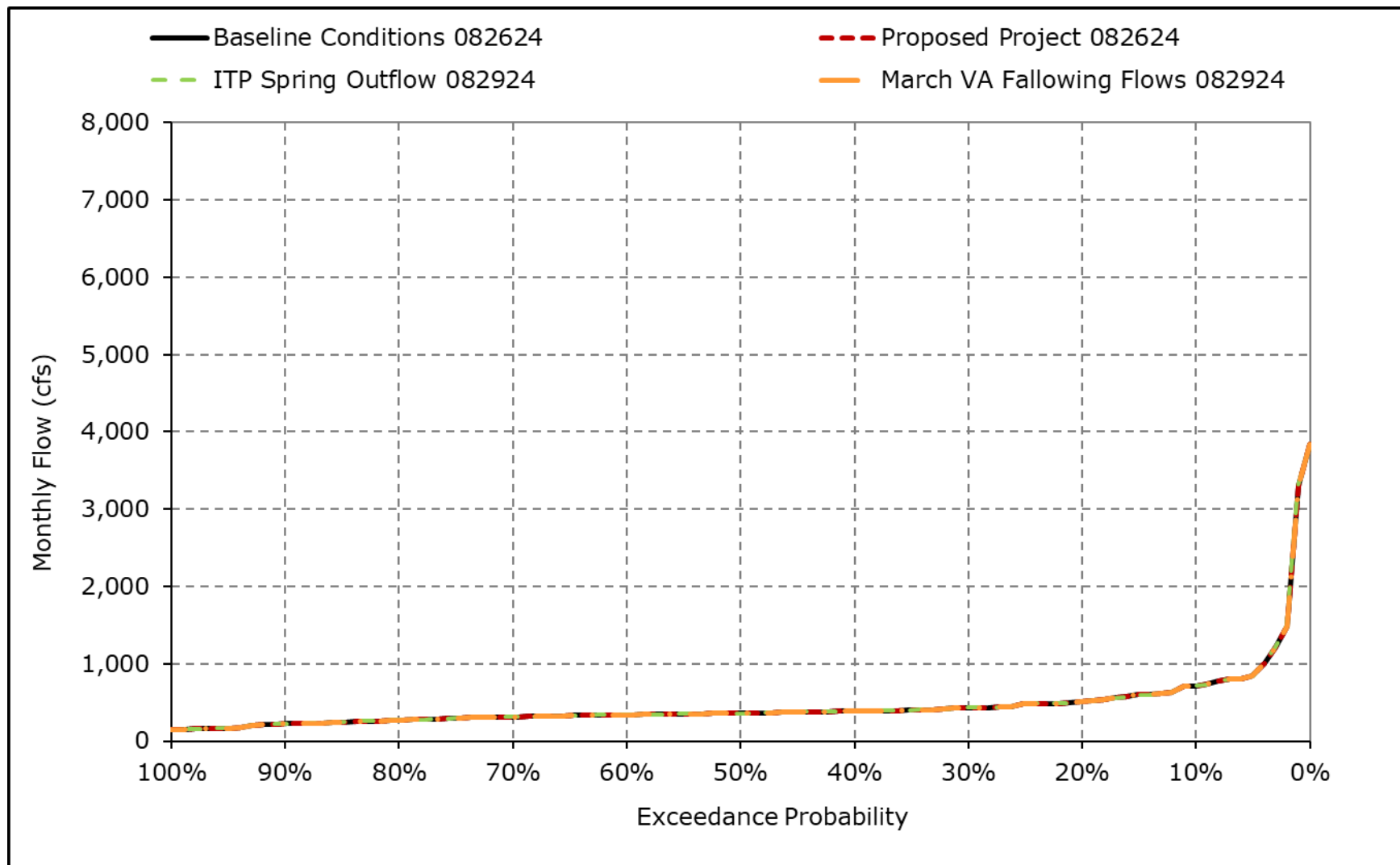
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



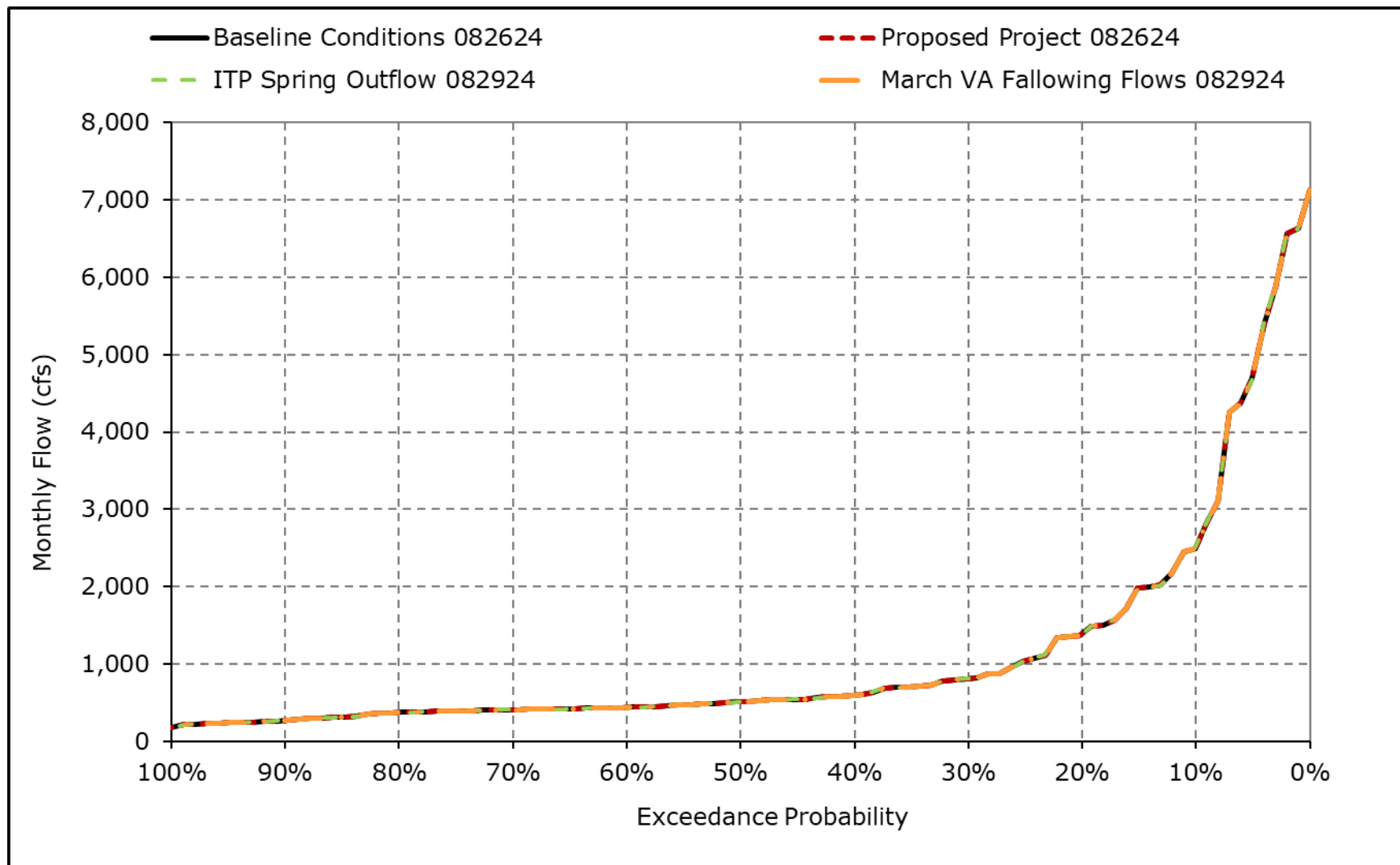
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



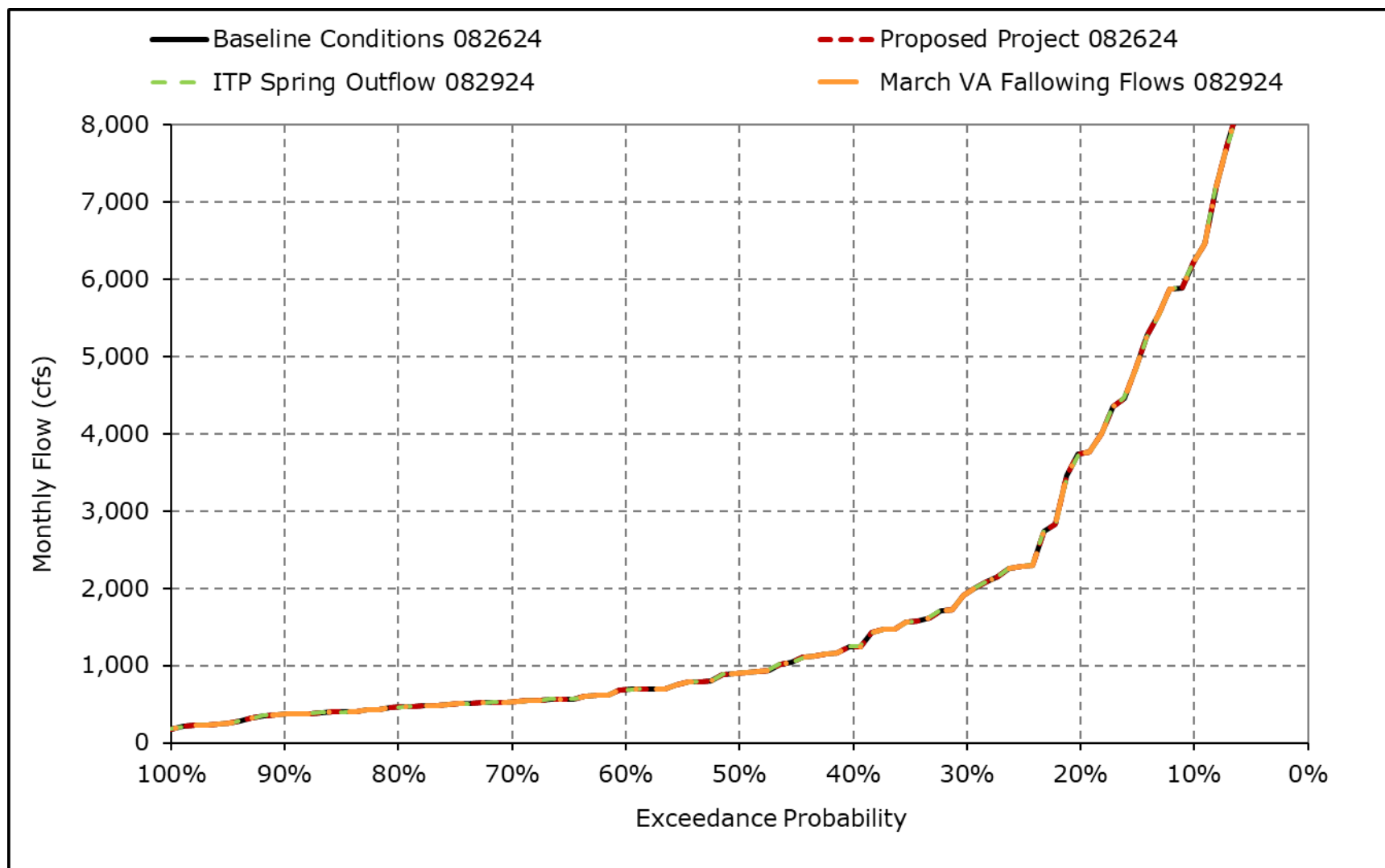
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



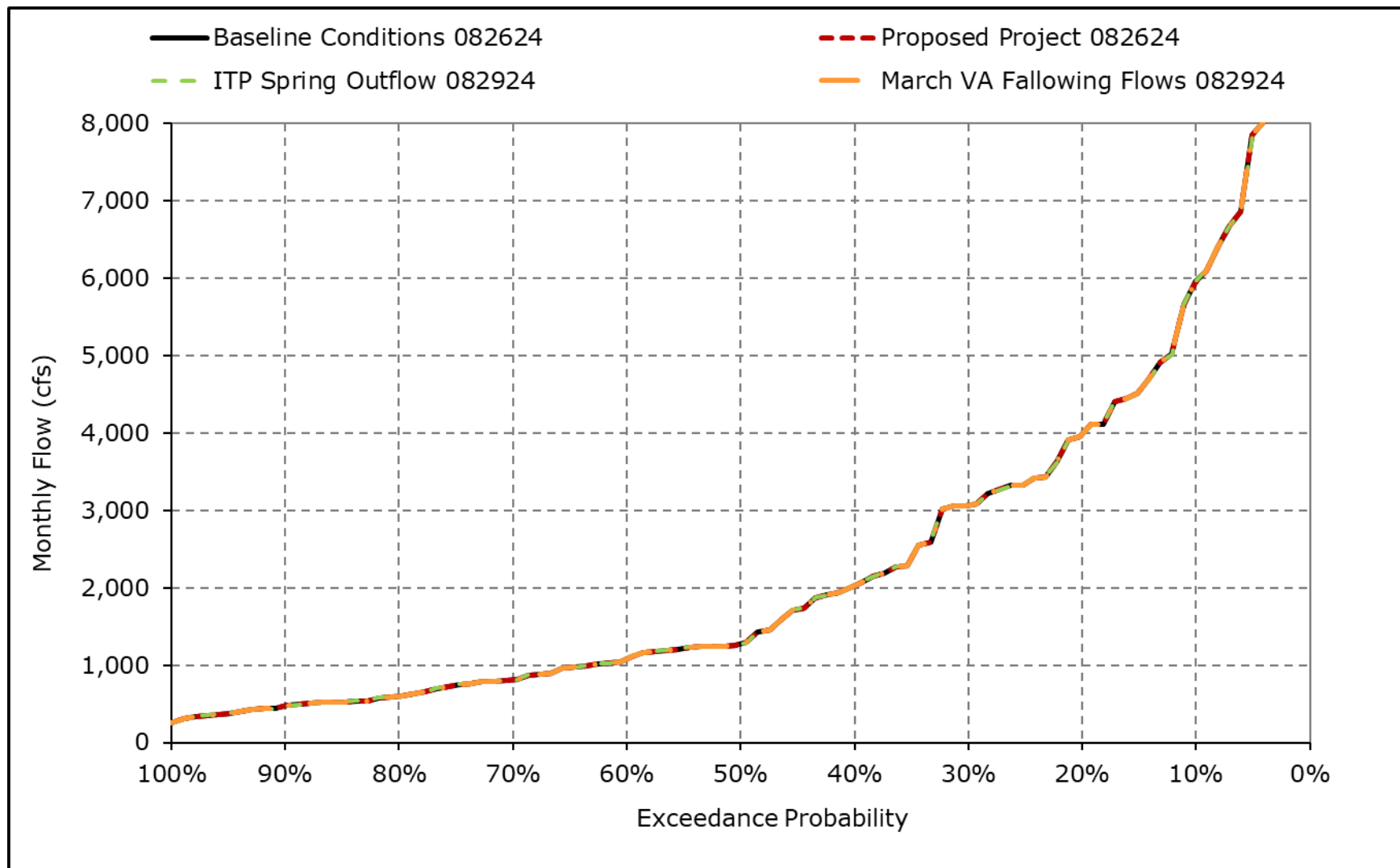
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



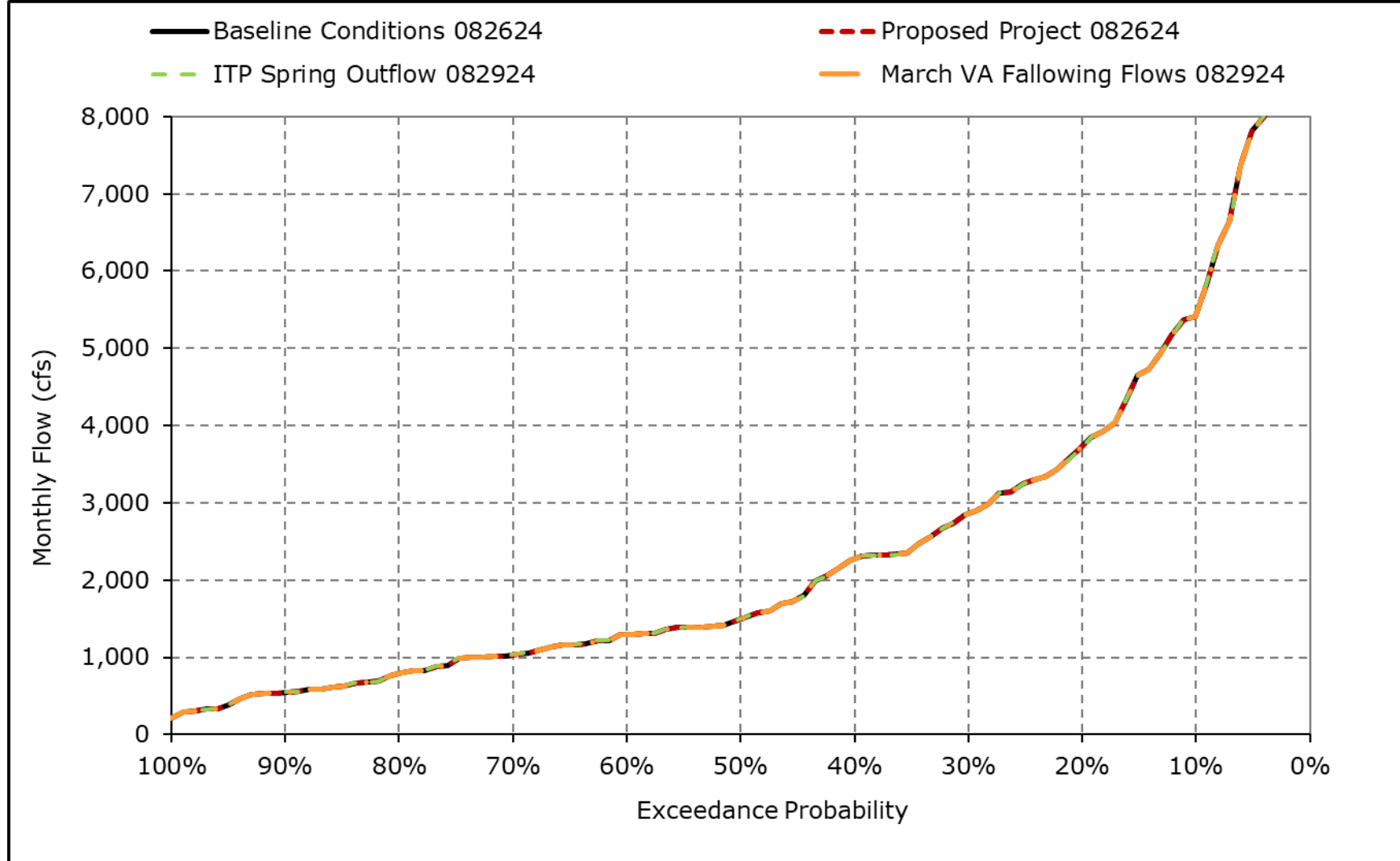
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



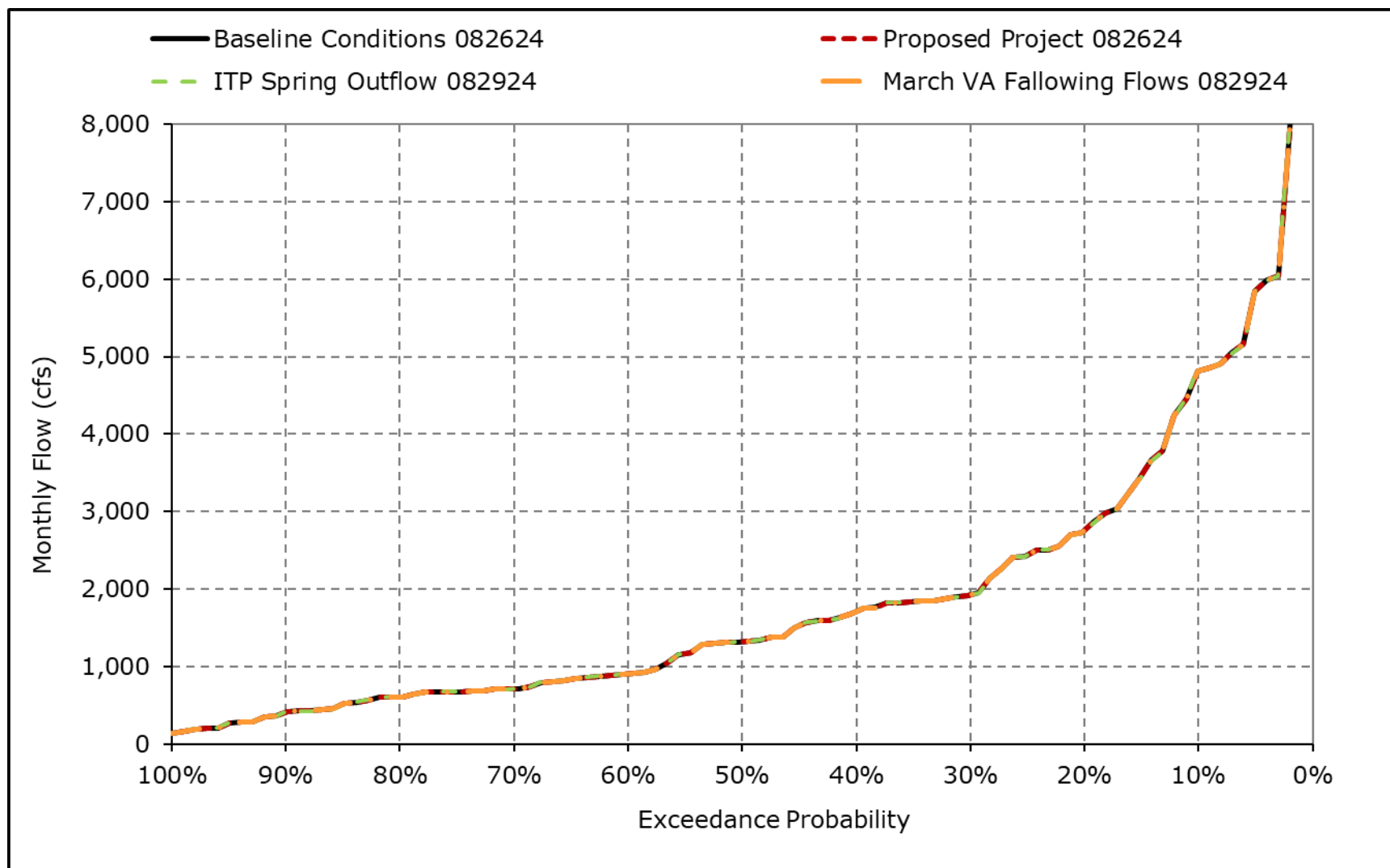
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



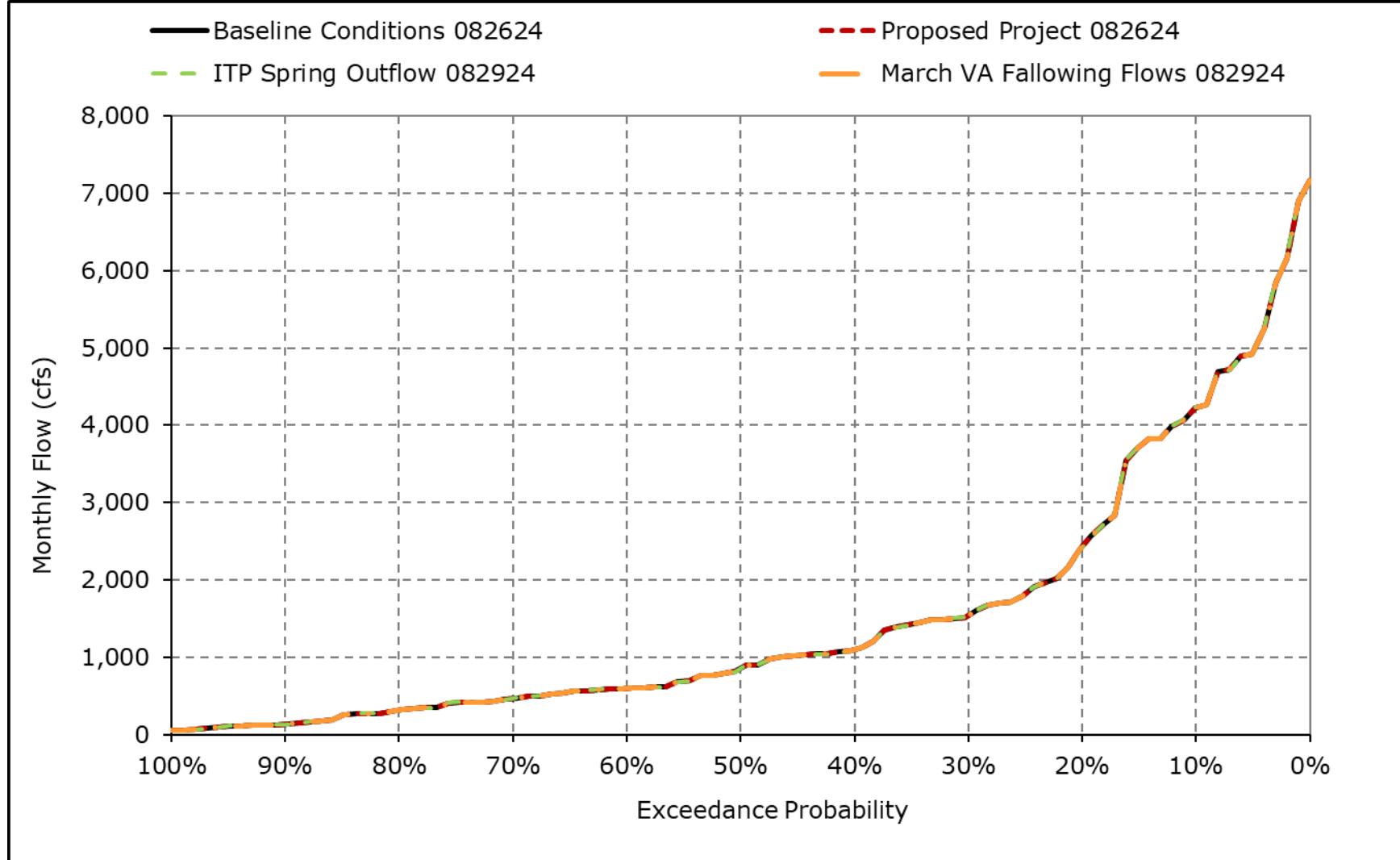
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



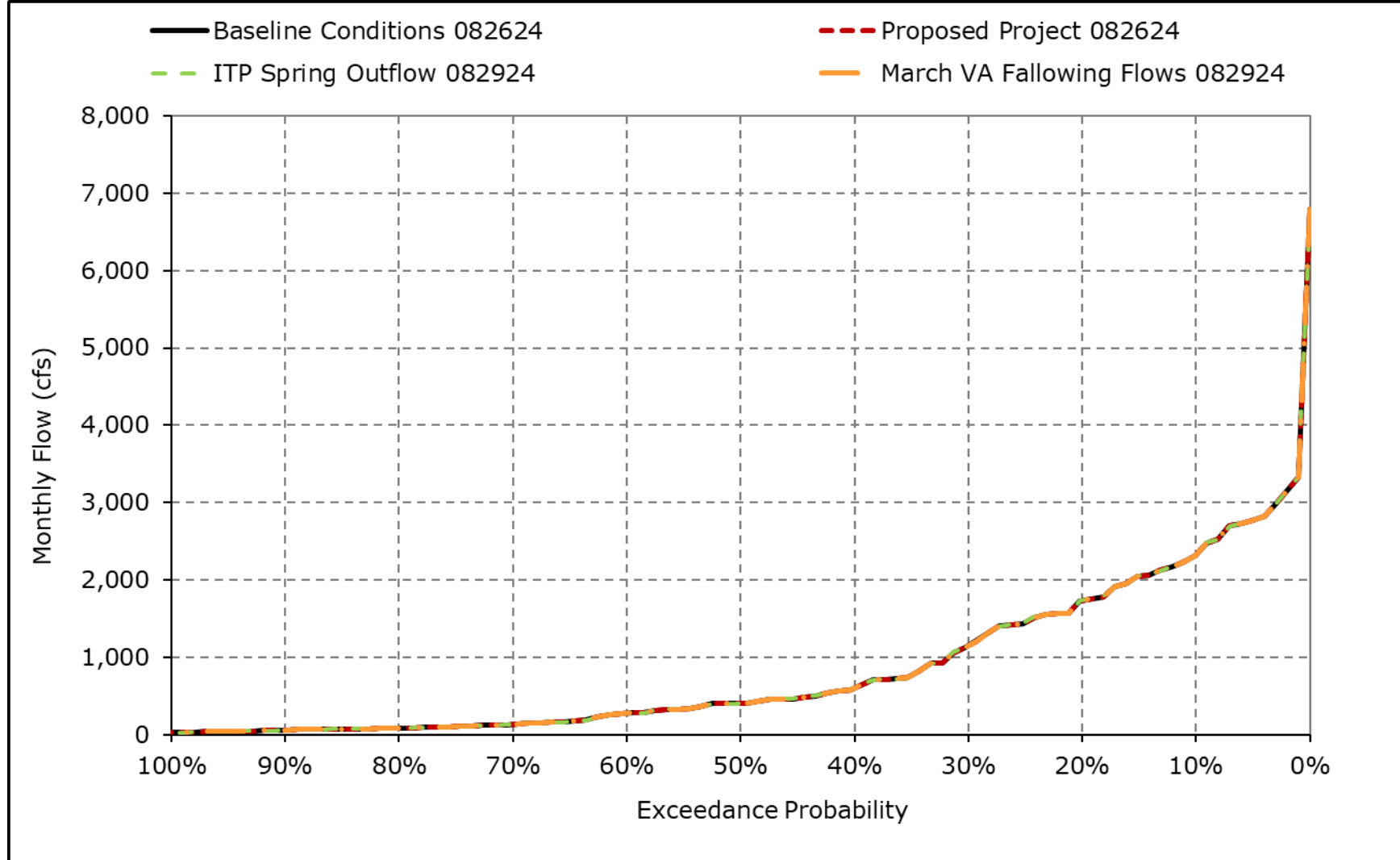
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



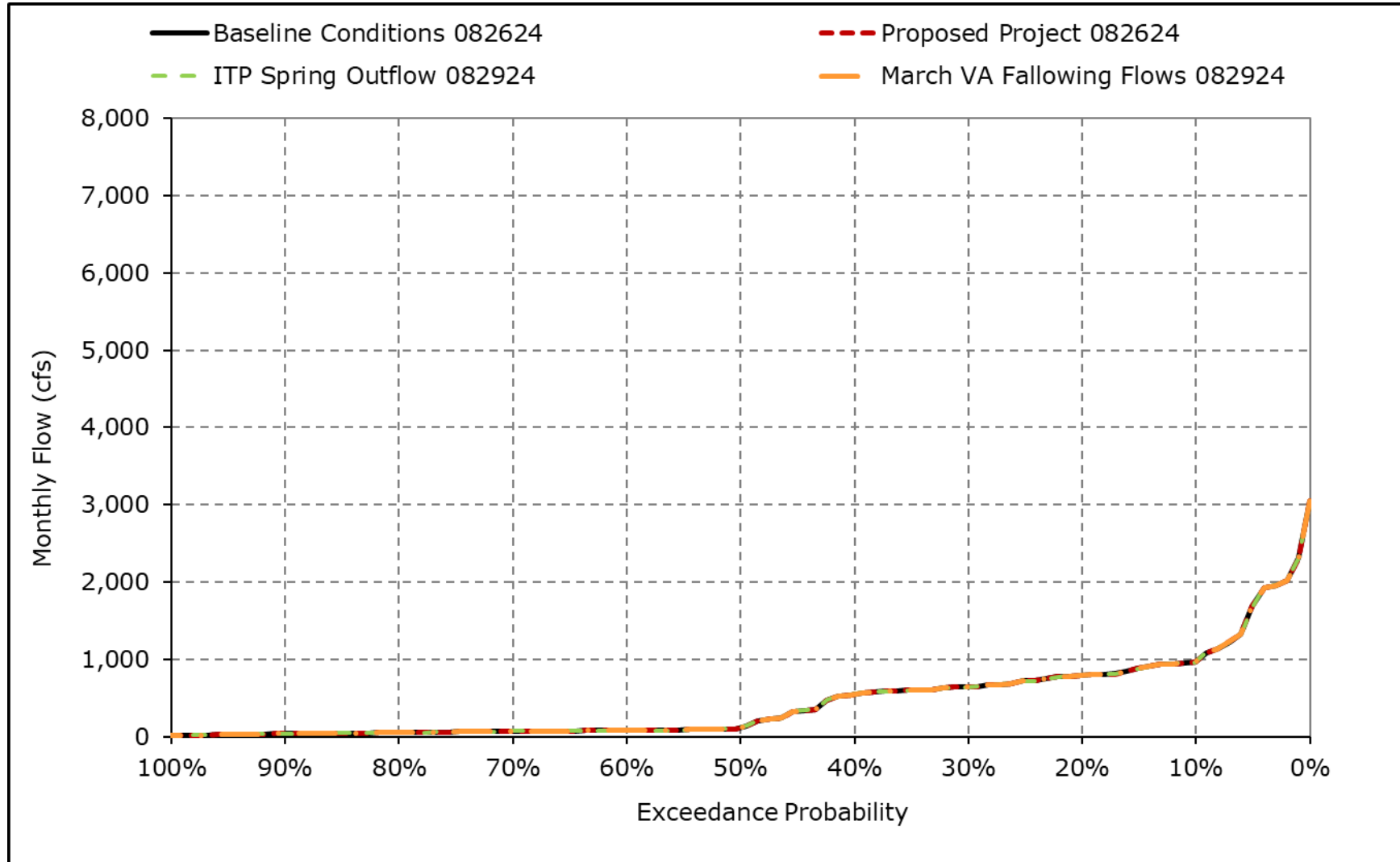
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



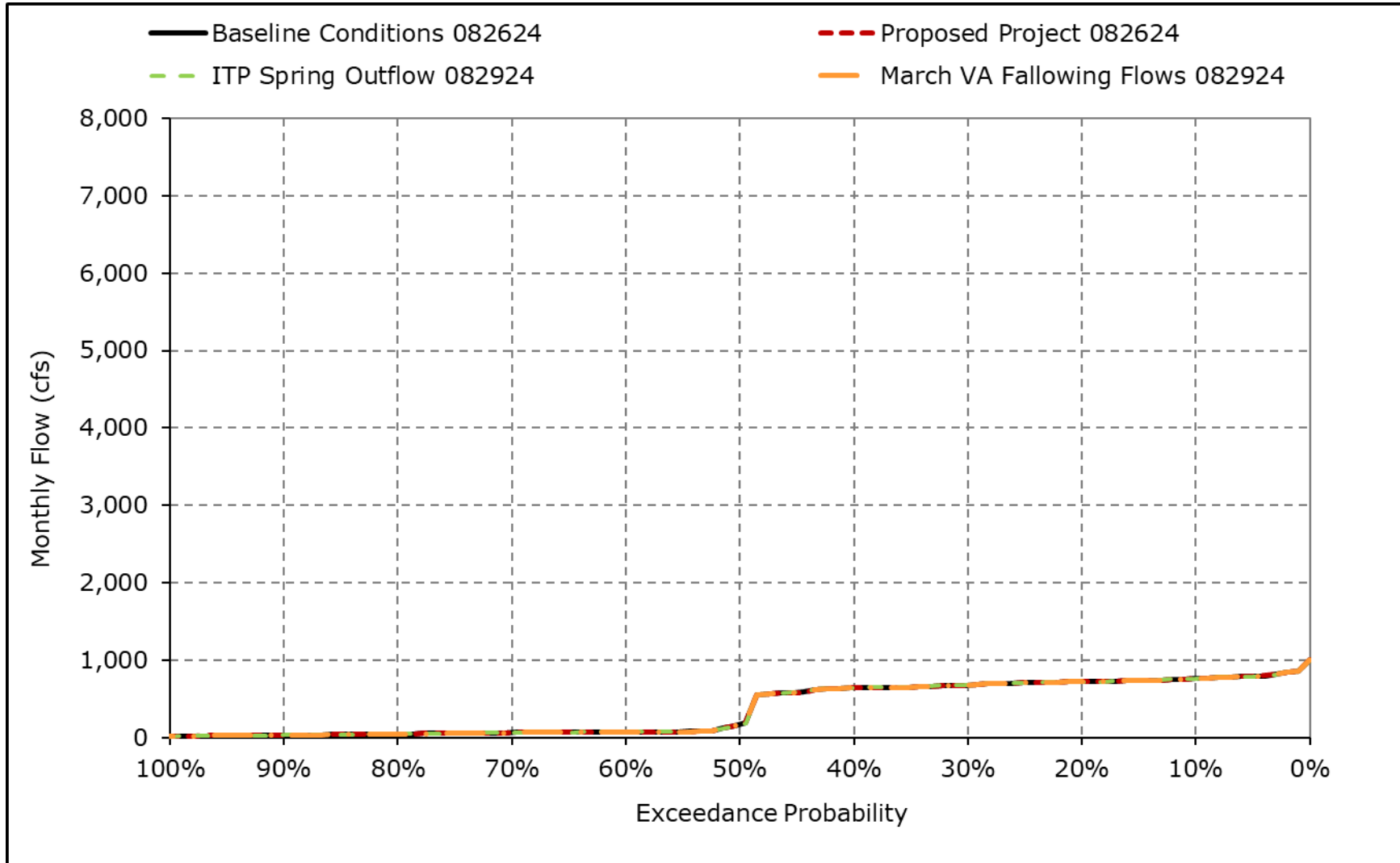
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



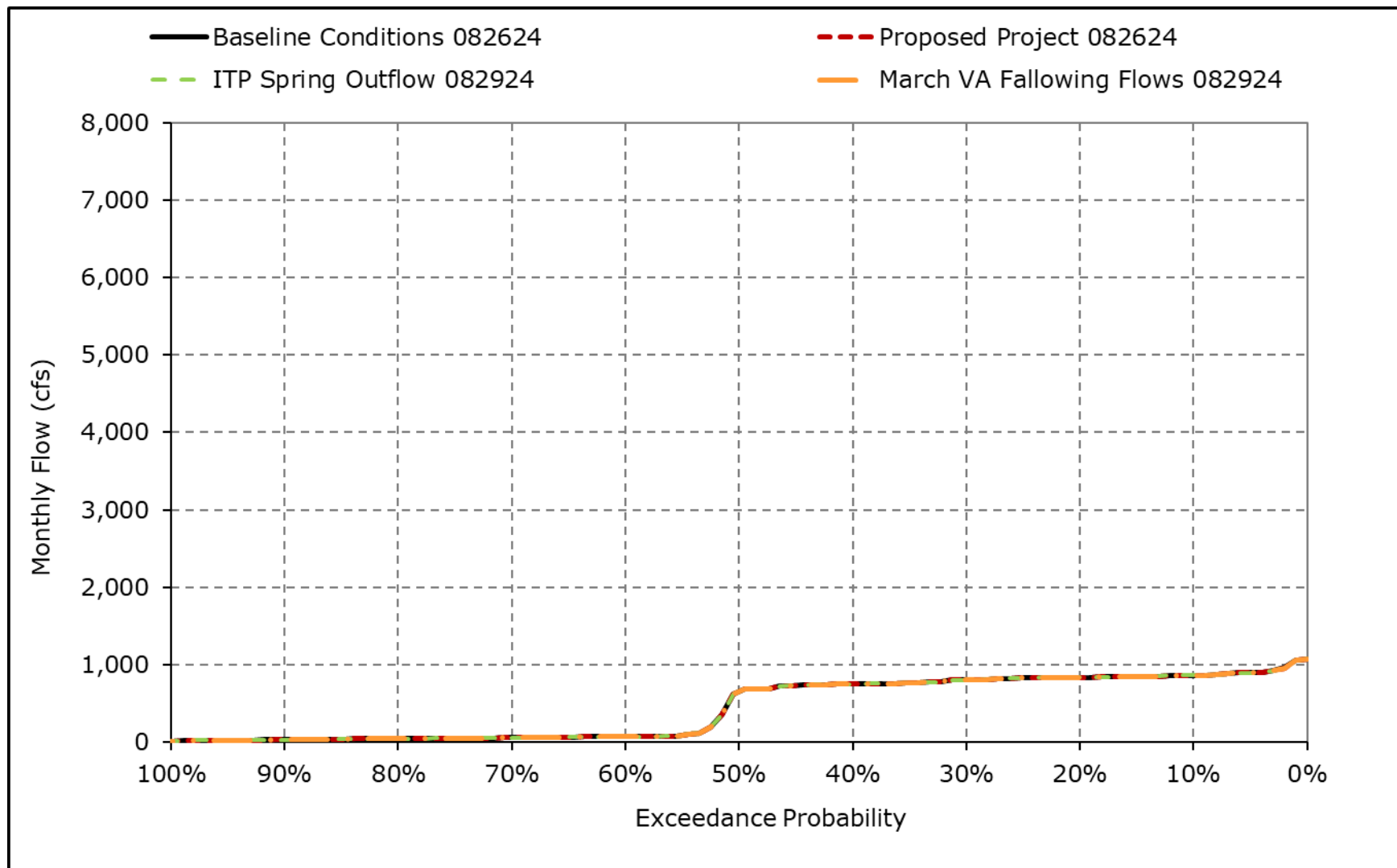
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



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

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



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

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

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

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

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

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

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

^a Based on the 100-year simulation period.

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

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

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

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

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

Table 4K-3-8-2b. Old and Middle River Flow, ITP Spring Outflow 082924, Monthly Flow (combined flows)(cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-2,516	-1,692	-2,515	-2,486	-2,387	-1,329	1,295	371	-1,978	-3,060	-2,284	-3,435
20% Exceedance	-3,610	-3,275	-3,386	-3,319	-3,611	-2,829	238	-449	-3,562	-5,149	-3,333	-4,207
30% Exceedance	-4,027	-3,986	-4,925	-3,570	-3,792	-3,410	-270	-977	-4,069	-7,443	-4,817	-5,072
40% Exceedance	-4,459	-5,808	-5,290	-3,645	-3,897	-3,415	-585	-1,449	-4,115	-8,736	-7,424	-5,979
50% Exceedance	-5,429	-6,807	-5,290	-4,042	-3,963	-3,486	-780	-1,636	-4,148	-9,495	-9,477	-7,101
60% Exceedance	-5,840	-8,372	-5,290	-4,235	-4,058	-3,560	-1,037	-1,792	-4,262	-10,322	-10,142	-8,488
70% Exceedance	-6,327	-8,875	-5,290	-4,385	-4,265	-3,816	-1,268	-2,015	-4,310	-10,914	-10,826	-9,733
80% Exceedance	-6,872	-9,132	-6,152	-4,439	-4,357	-3,828	-1,405	-2,379	-4,400	-11,231	-11,105	-10,421
90% Exceedance	-8,449	-9,493	-8,167	-4,700	-4,379	-4,236	-1,759	-3,857	-4,400	-11,434	-11,481	-10,875
Full Simulation Period Average ^a	-5,281	-6,242	-5,173	-3,460	-3,406	-2,851	-504	-1,495	-3,694	-8,515	-7,782	-7,210
Wet Water Years (32%)	-6,186	-7,224	-5,448	-2,753	-2,466	-1,700	-704	-2,175	-3,430	-9,425	-10,307	-9,740
Above Normal Water Years (9%)	-4,536	-6,809	-6,772	-4,010	-3,946	-3,525	-719	-2,445	-4,119	-10,278	-10,672	-7,943
Below Normal Water Years (20%)	-5,443	-6,759	-5,109	-3,995	-3,869	-3,580	495	-647	-4,296	-10,704	-10,262	-8,297
Dry Water Years (21%)	-5,268	-6,288	-5,027	-4,041	-3,862	-3,687	-767	-1,027	-4,380	-8,784	-4,931	-5,280
Critical Water Years (18%)	-3,881	-3,581	-4,125	-3,167	-3,762	-2,774	-842	-1,299	-2,480	-3,268	-2,419	-3,389

Table 4K-3-8-2c. Old and Middle River Flow, ITP Spring Outflow 082924 minus Baseline Conditions 082624, Monthly Flow (combined flows)(cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-243	-43	-109	-354	-489	18	0	-7	-174	-148	72	-32
20% Exceedance	55	-7	-168	326	680	0	-5	-1	67	-121	-49	-10
30% Exceedance	19	-26	-15	75	537	-40	-2	-1	319	-182	-321	-41
40% Exceedance	272	20	0	0	432	-6	-59	-63	429	47	-138	-315
50% Exceedance	-97	-90	0	474	501	-73	-26	-41	692	100	-380	-779
60% Exceedance	7	-1	0	281	406	-136	22	-64	738	-257	-534	-819
70% Exceedance	21	-1	0	131	199	-375	-7	-16	690	-139	-575	-1,109
80% Exceedance	485	-1	-91	168	126	363	8	27	600	-123	-519	-1,027
90% Exceedance	52	-1	-11	300	584	-40	114	-270	600	-33	-326	-963
Full Simulation Period Average ^a	58	8	12	109	337	-26	-11	-50	444	-73	-302	-520
Wet Water Years (32%)	99	42	4	117	74	-303	-27	-82	546	-81	-397	-1,351
Above Normal Water Years (9%)	153	17	-55	173	385	-133	17	-107	701	-352	-581	-1,254
Below Normal Water Years (20%)	186	-30	25	172	432	85	-21	-62	546	67	-470	-3
Dry Water Years (21%)	-122	-28	129	56	559	215	0	-8	479	-150	-118	112
Critical Water Years (18%)	6	28	-93	55	415	113	2	0	-21	19	-22	11

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

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

Table 4K-3-8-3b. Old and Middle River Flow, March VA Fallowing Flows 082924, Monthly Flow (combined flows)(cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-2,517	-1,698	-2,448	-2,585	-2,368	-1,330	1,101	-603	-1,920	-2,979	-2,299	-3,429
20% Exceedance	-3,634	-3,280	-3,385	-3,325	-3,589	-3,161	286	-972	-3,611	-5,139	-3,331	-4,223
30% Exceedance	-3,998	-3,975	-5,056	-3,576	-3,742	-3,411	-246	-1,257	-4,115	-7,433	-4,761	-4,991
40% Exceedance	-4,514	-5,677	-5,290	-3,645	-3,894	-3,415	-540	-1,459	-4,115	-8,784	-7,449	-5,760
50% Exceedance	-5,264	-6,840	-5,290	-4,053	-3,963	-3,487	-799	-1,713	-4,157	-9,518	-9,477	-6,522
60% Exceedance	-5,808	-8,328	-5,290	-4,235	-4,058	-3,562	-1,021	-2,035	-4,310	-10,428	-10,205	-7,815
70% Exceedance	-6,296	-8,875	-5,290	-4,395	-4,265	-3,817	-1,278	-3,100	-4,310	-10,975	-10,725	-9,405
80% Exceedance	-6,835	-9,132	-6,115	-4,464	-4,357	-3,859	-1,708	-3,755	-4,400	-11,231	-11,023	-9,949
90% Exceedance	-8,447	-9,493	-8,429	-4,700	-4,379	-4,236	-2,346	-3,971	-4,400	-11,428	-11,482	-10,836
Full Simulation Period Average ^a	-5,284	-6,227	-5,187	-3,468	-3,401	-2,896	-615	-2,023	-3,706	-8,533	-7,776	-6,978
Wet Water Years (32%)	-6,187	-7,199	-5,486	-2,748	-2,461	-1,841	-1,006	-2,910	-3,430	-9,422	-10,286	-9,354
Above Normal Water Years (9%)	-4,472	-6,815	-6,855	-4,010	-3,946	-3,525	-928	-3,148	-4,119	-10,317	-10,632	-7,437
Below Normal Water Years (20%)	-5,445	-6,755	-5,142	-3,991	-3,852	-3,580	455	-1,423	-4,306	-10,729	-10,204	-7,971
Dry Water Years (21%)	-5,306	-6,282	-5,010	-4,090	-3,863	-3,687	-636	-1,234	-4,383	-8,844	-5,013	-5,302
Critical Water Years (18%)	-3,881	-3,555	-4,078	-3,168	-3,762	-2,774	-929	-1,470	-2,534	-3,259	-2,415	-3,374

Table 4K-3-8-3c. Old and Middle River Flow, March VA Fallowing Flows 082924 minus Baseline Conditions 082624, Monthly Flow (combined flows)(cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-243	-49	-42	-454	-470	16	-194	-981	-116	-66	57	-27
20% Exceedance	32	-12	-167	320	702	-332	43	-524	19	-111	-47	-27
30% Exceedance	48	-15	-145	69	587	-41	23	-281	273	-172	-264	40
40% Exceedance	217	152	0	0	434	-6	-14	-73	429	-1	-163	-96
50% Exceedance	67	-123	0	463	501	-74	-45	-118	683	77	-380	-200
60% Exceedance	39	42	0	281	406	-137	38	-307	690	-363	-598	-145
70% Exceedance	52	-1	0	121	199	-375	-16	-1,102	690	-200	-474	-781
80% Exceedance	523	-1	-53	144	126	332	-295	-1,349	600	-123	-437	-556
90% Exceedance	54	-1	-273	300	584	-40	-473	-384	600	-27	-327	-924
Full Simulation Period Average ^a	55	22	-2	101	342	-71	-122	-578	432	-91	-297	-288
Wet Water Years (32%)	98	66	-34	122	79	-444	-329	-818	546	-79	-376	-965
Above Normal Water Years (9%)	218	12	-137	173	385	-133	-193	-810	701	-391	-541	-748
Below Normal Water Years (20%)	184	-26	-8	176	449	85	-61	-838	536	42	-412	323
Dry Water Years (21%)	-159	-22	147	7	558	215	131	-215	476	-210	-200	90
Critical Water Years (18%)	6	54	-45	53	416	113	-84	-171	-75	28	-18	26

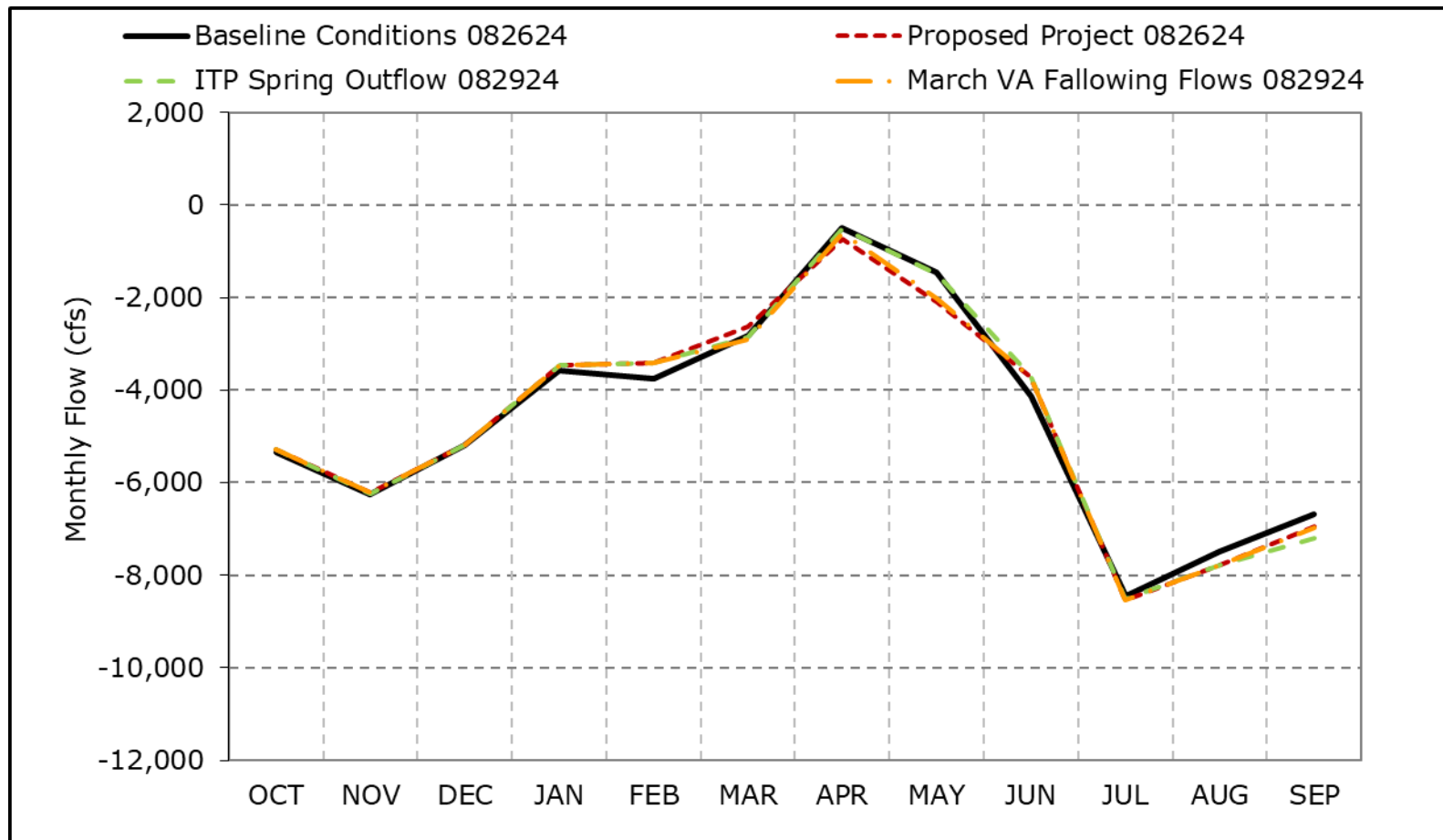
^a Based on the 100-year simulation period.

* 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 4K-3-8a. Old and Middle River Flow, Long-Term Average Flow

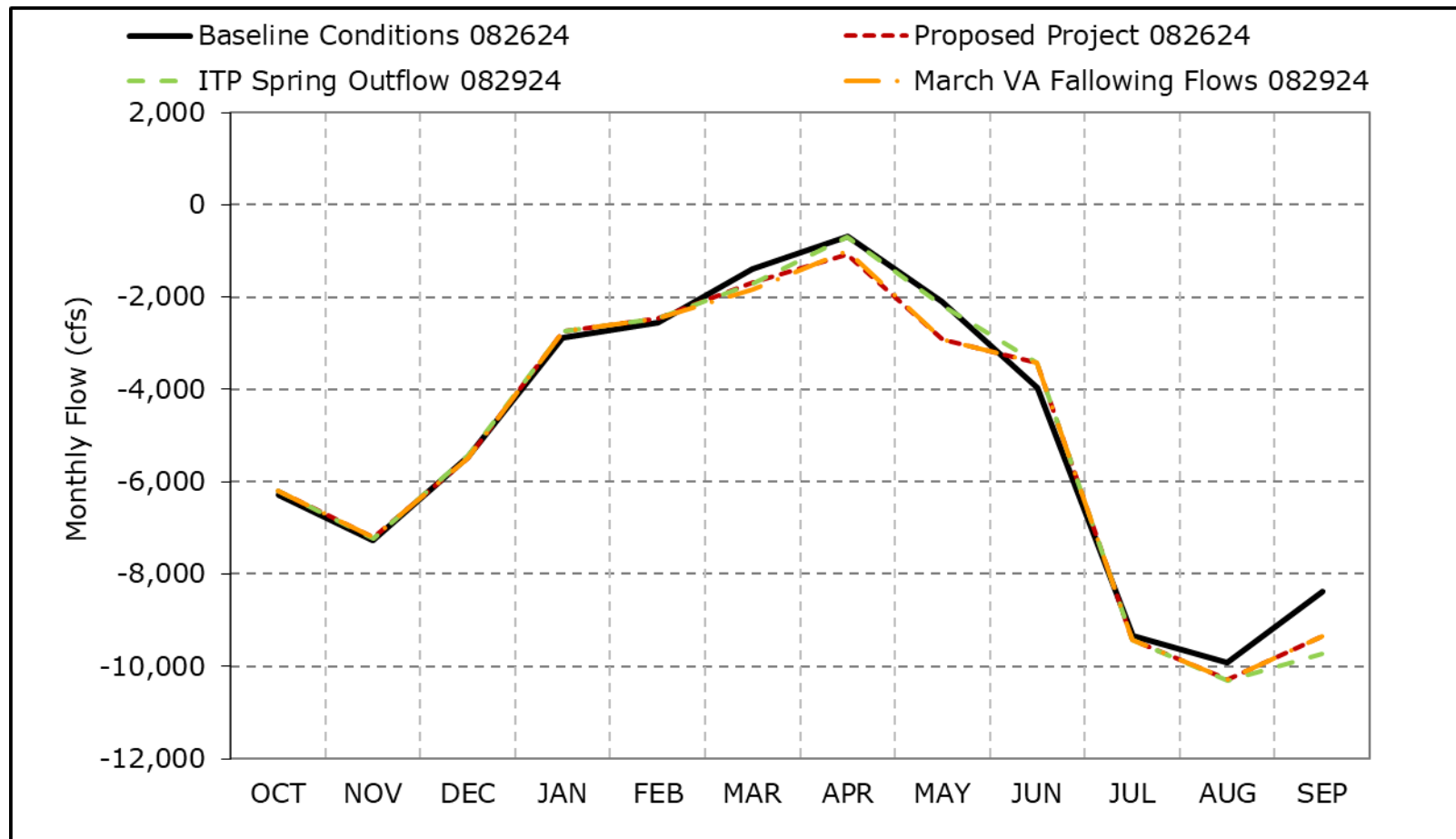


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*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 4K-3-8b. Old and Middle River Flow, Wet Year Average Flow

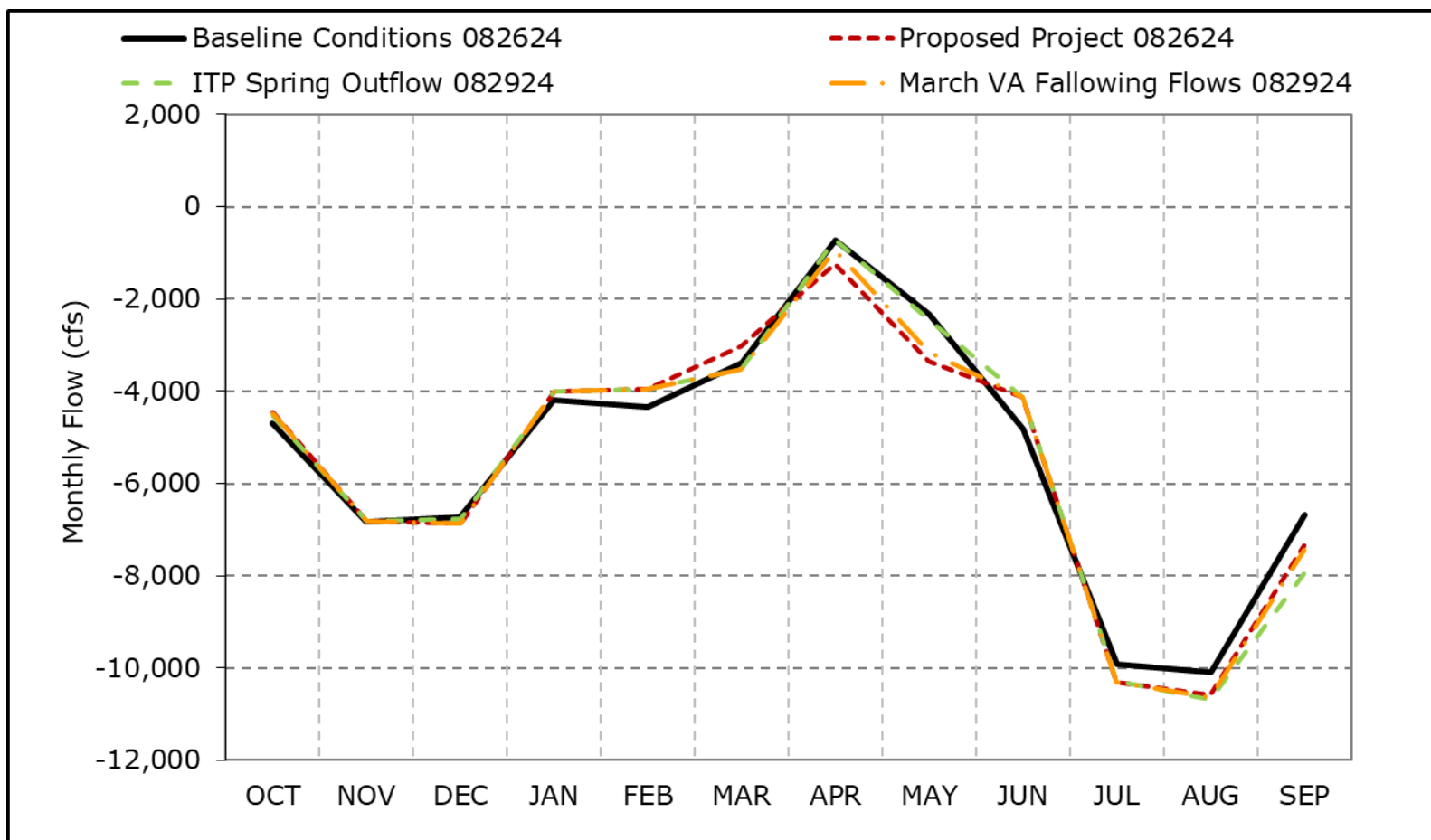


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

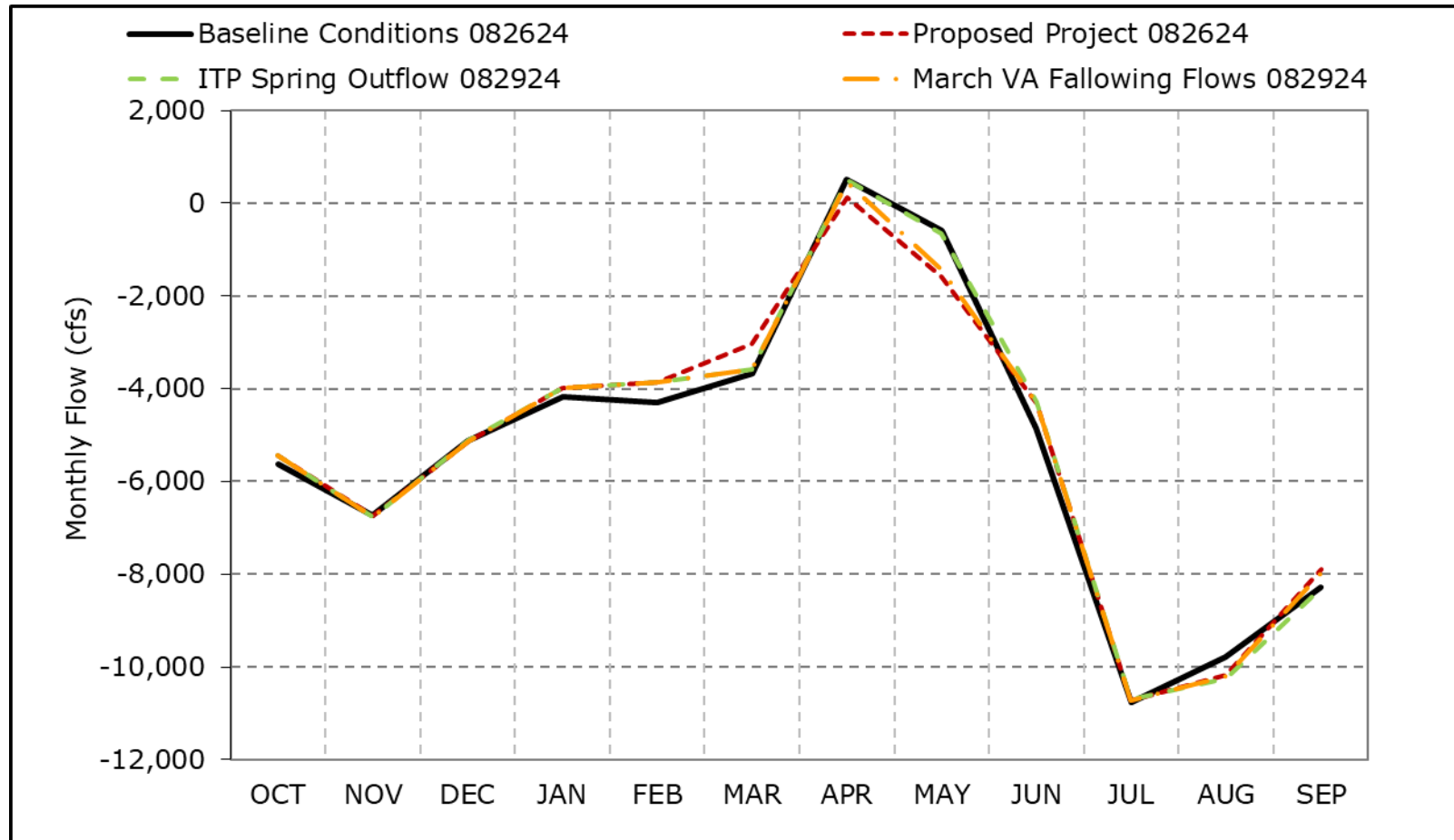


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

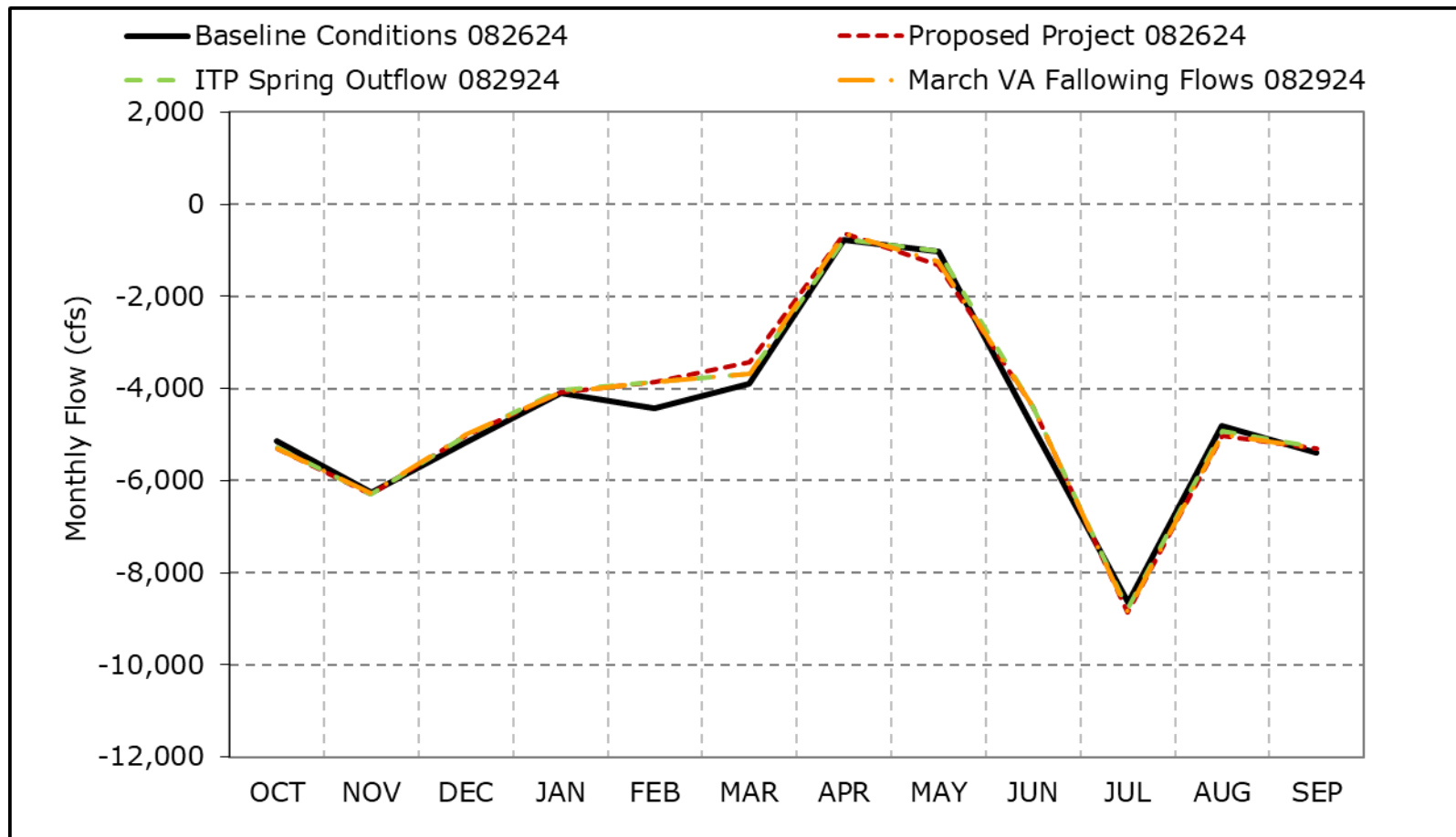


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*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 4K-3-8e. Old and Middle River Flow, Dry Year Average Flow

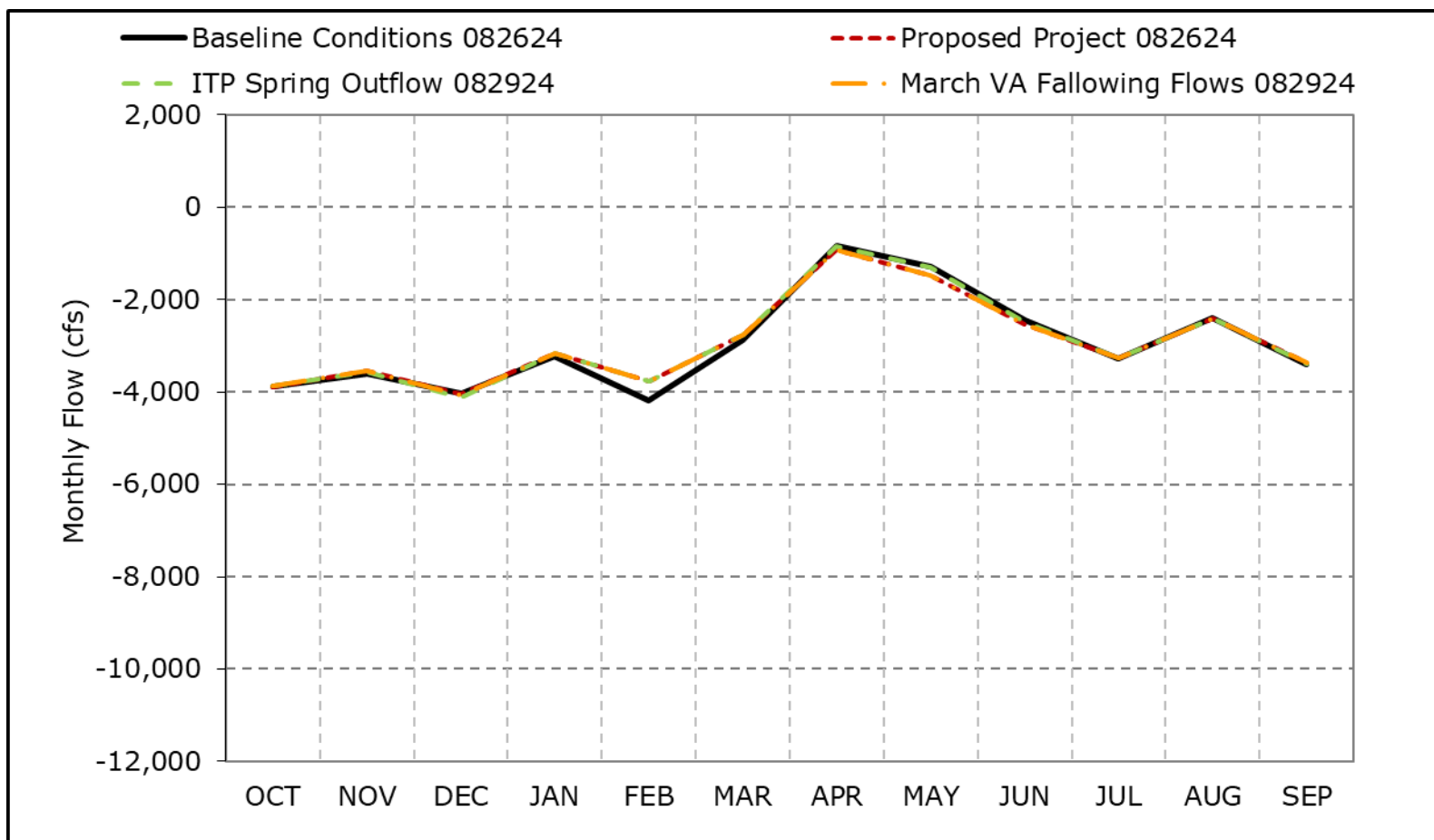


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*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 4K-3-8f. Old and Middle River Flow, Critical Year Average Flow

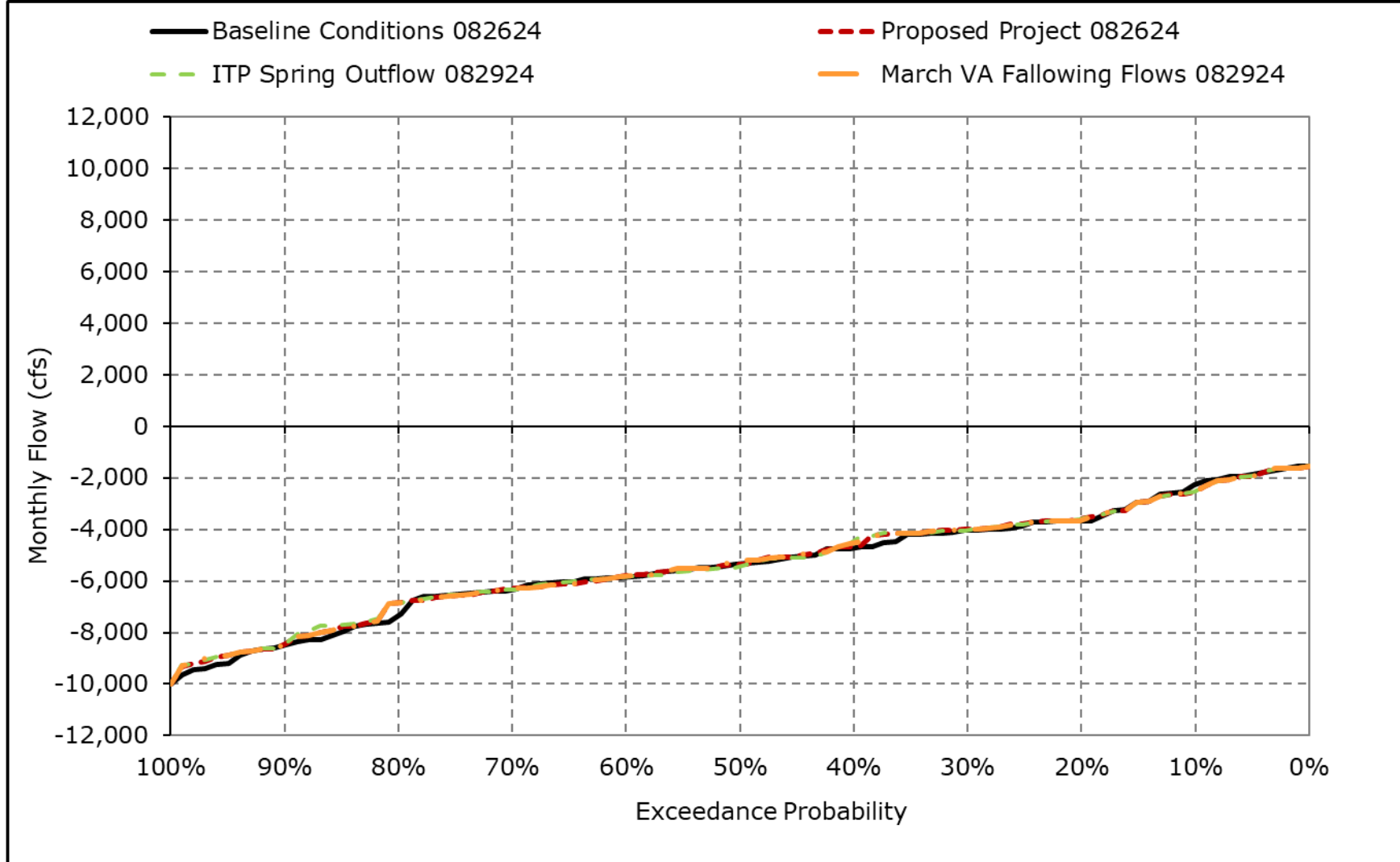


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

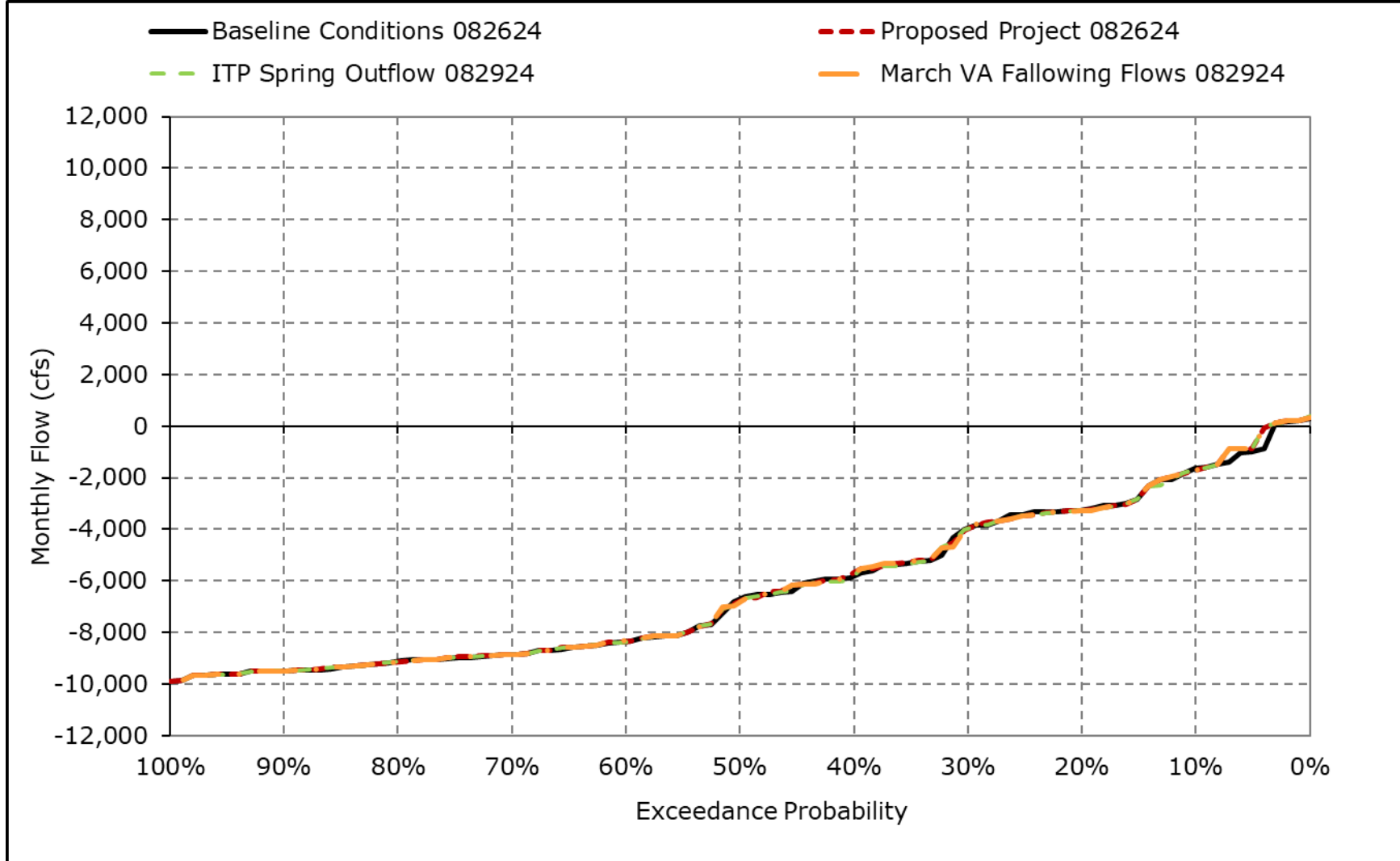
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



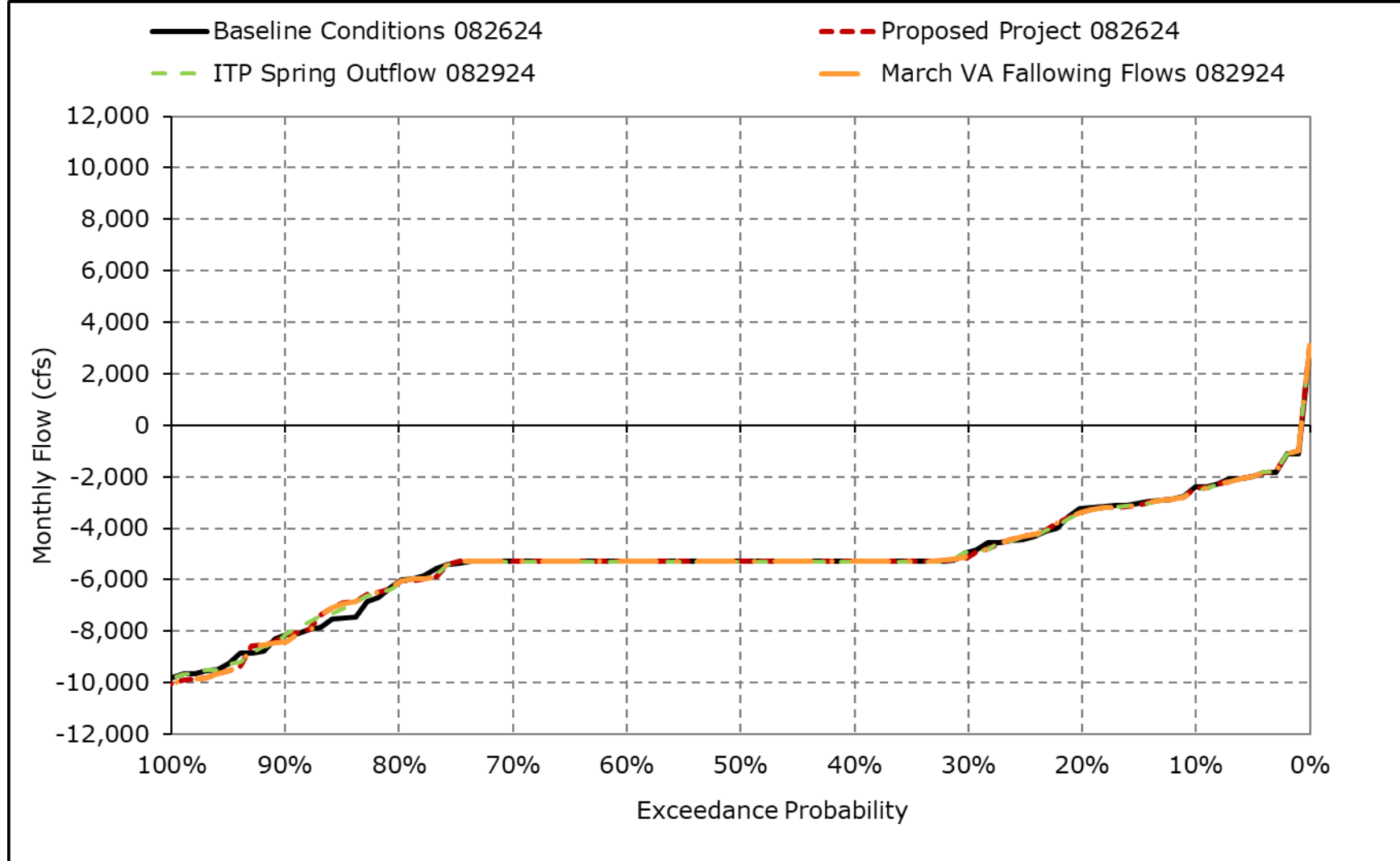
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



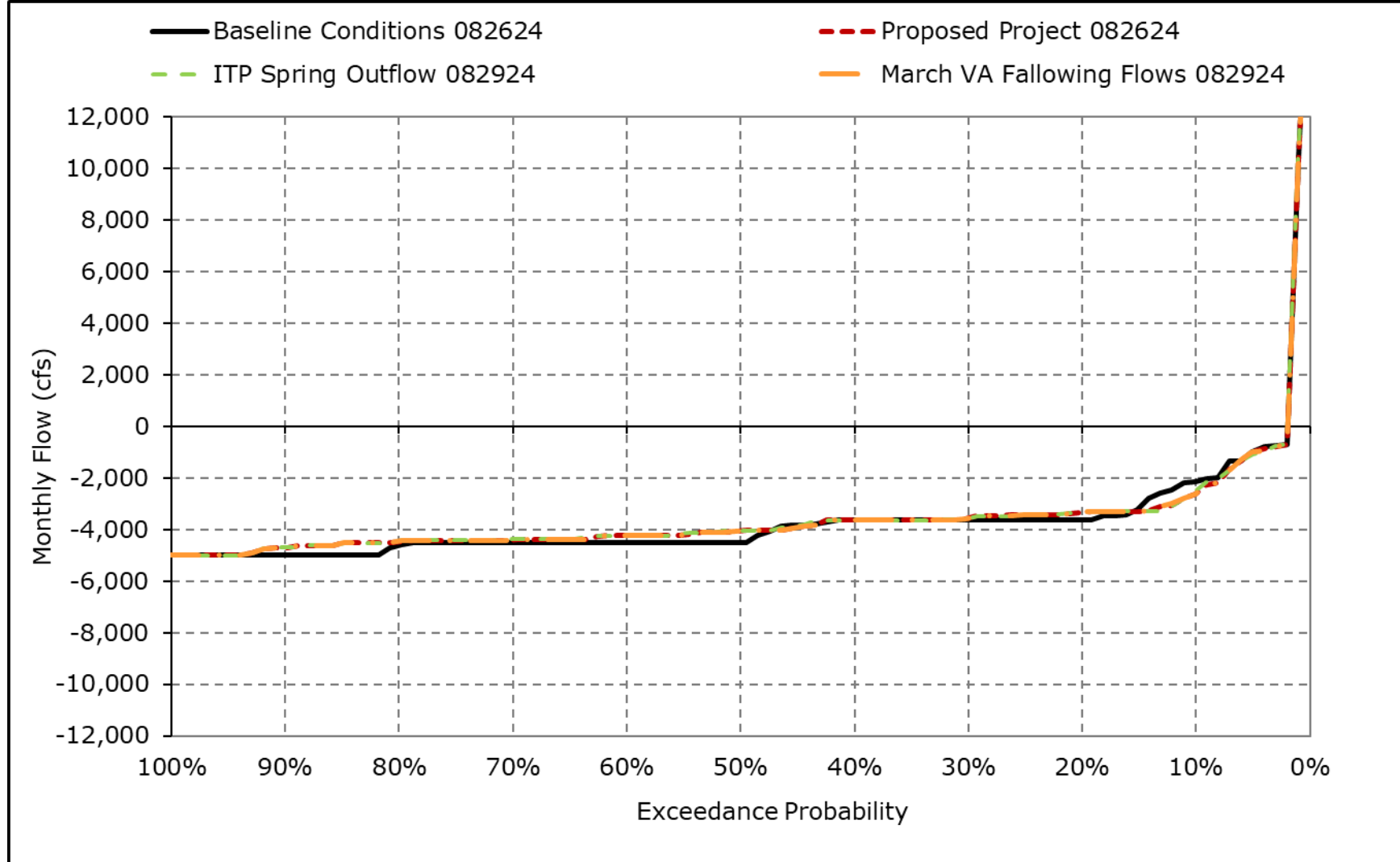
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



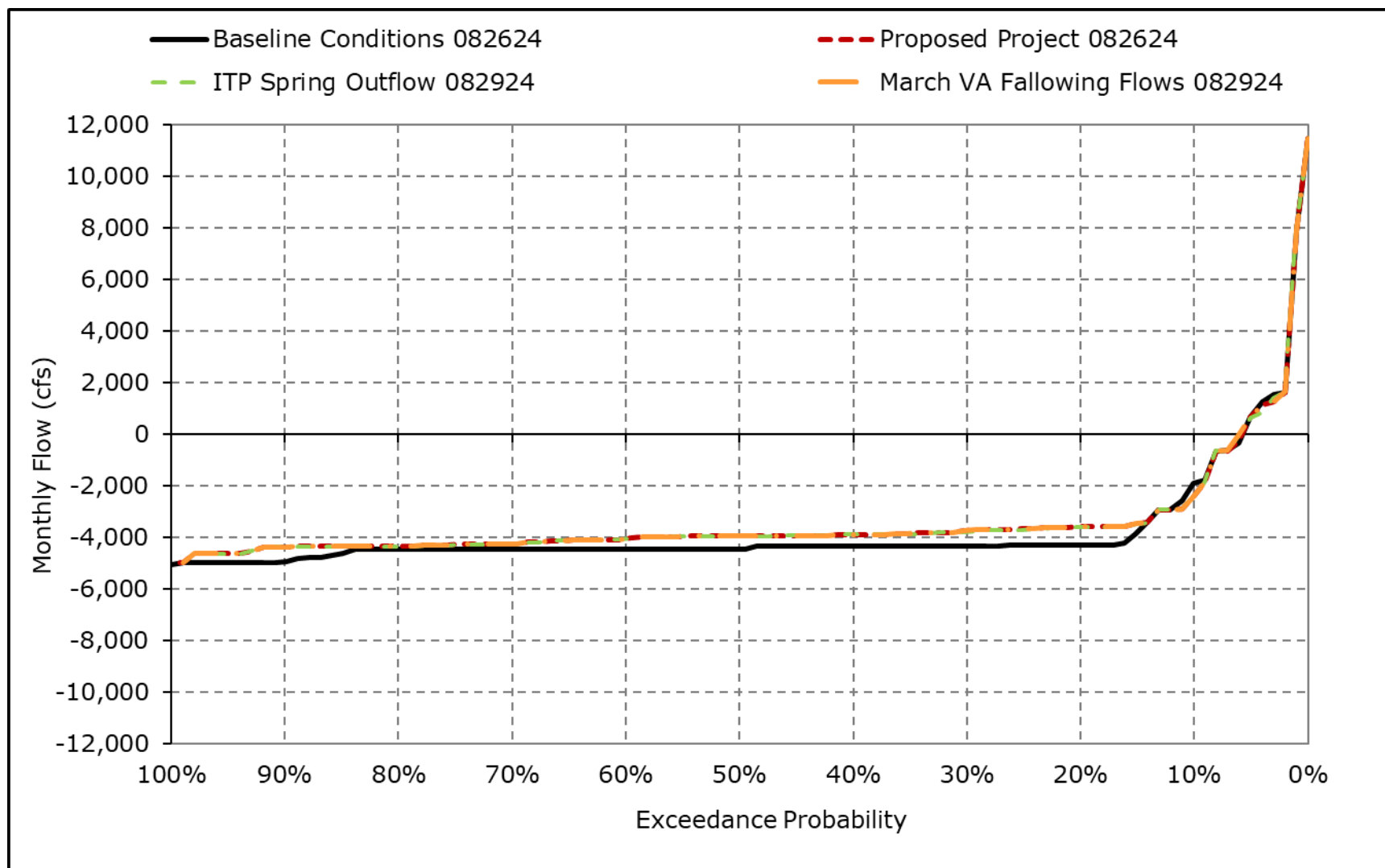
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



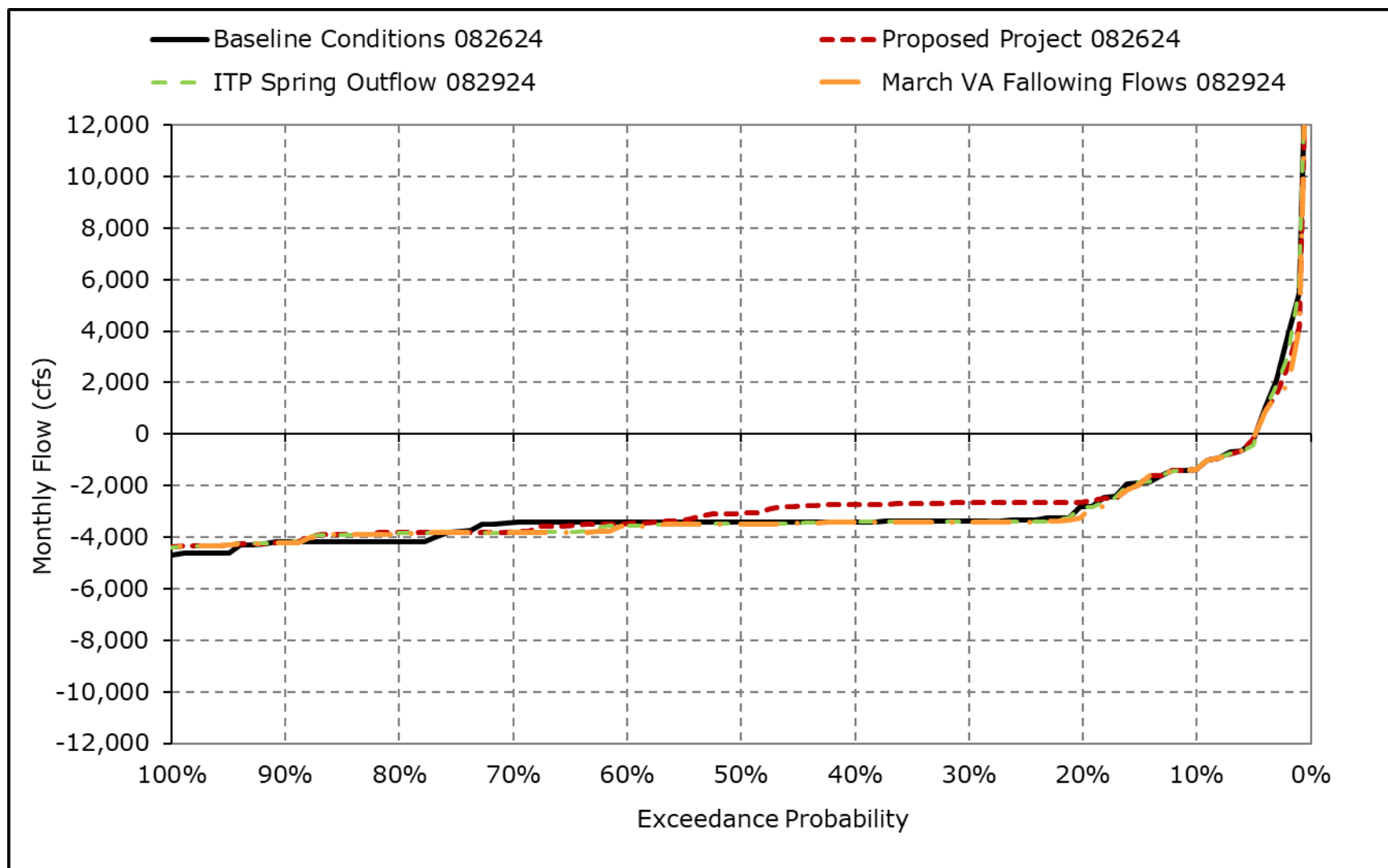
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



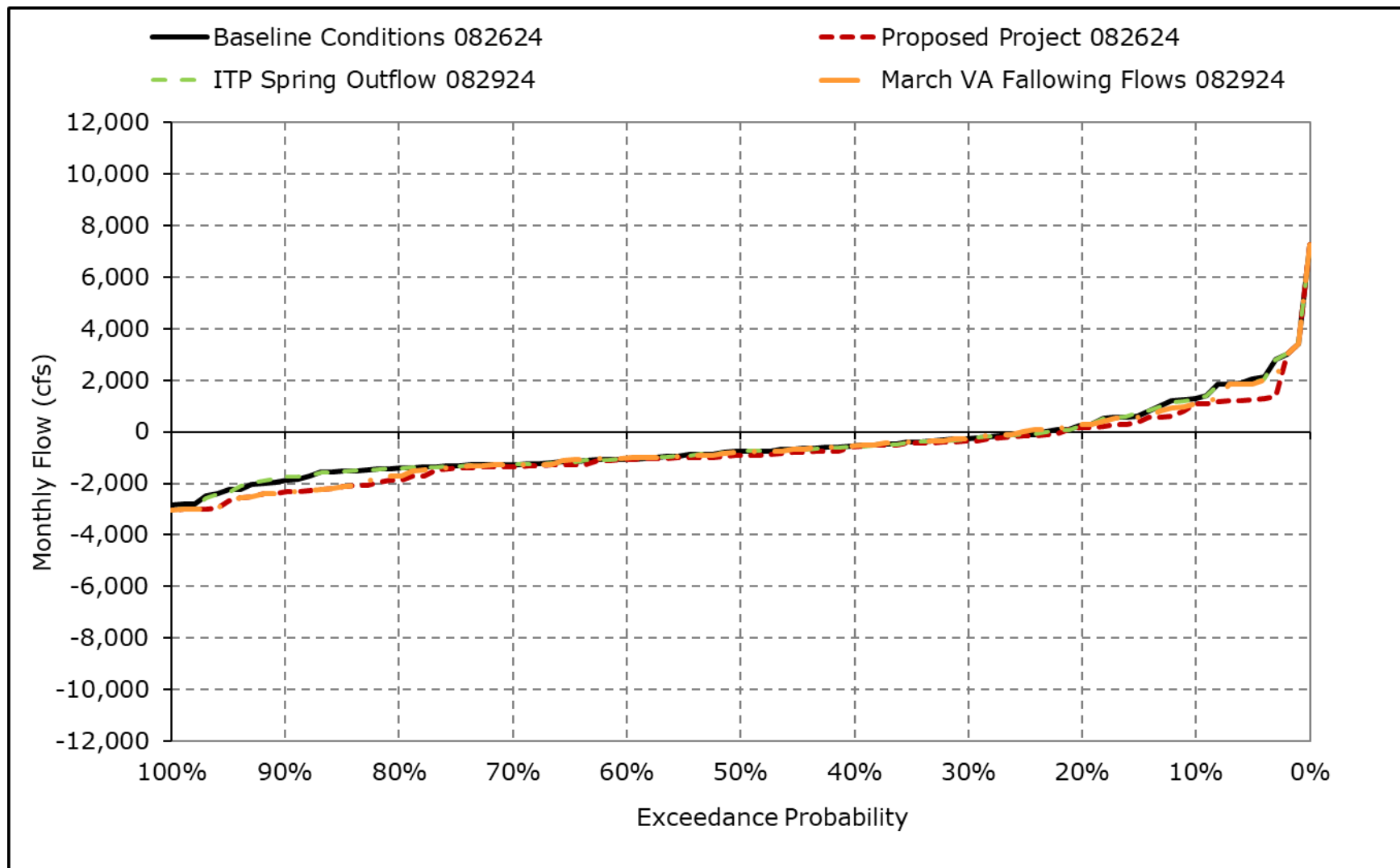
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



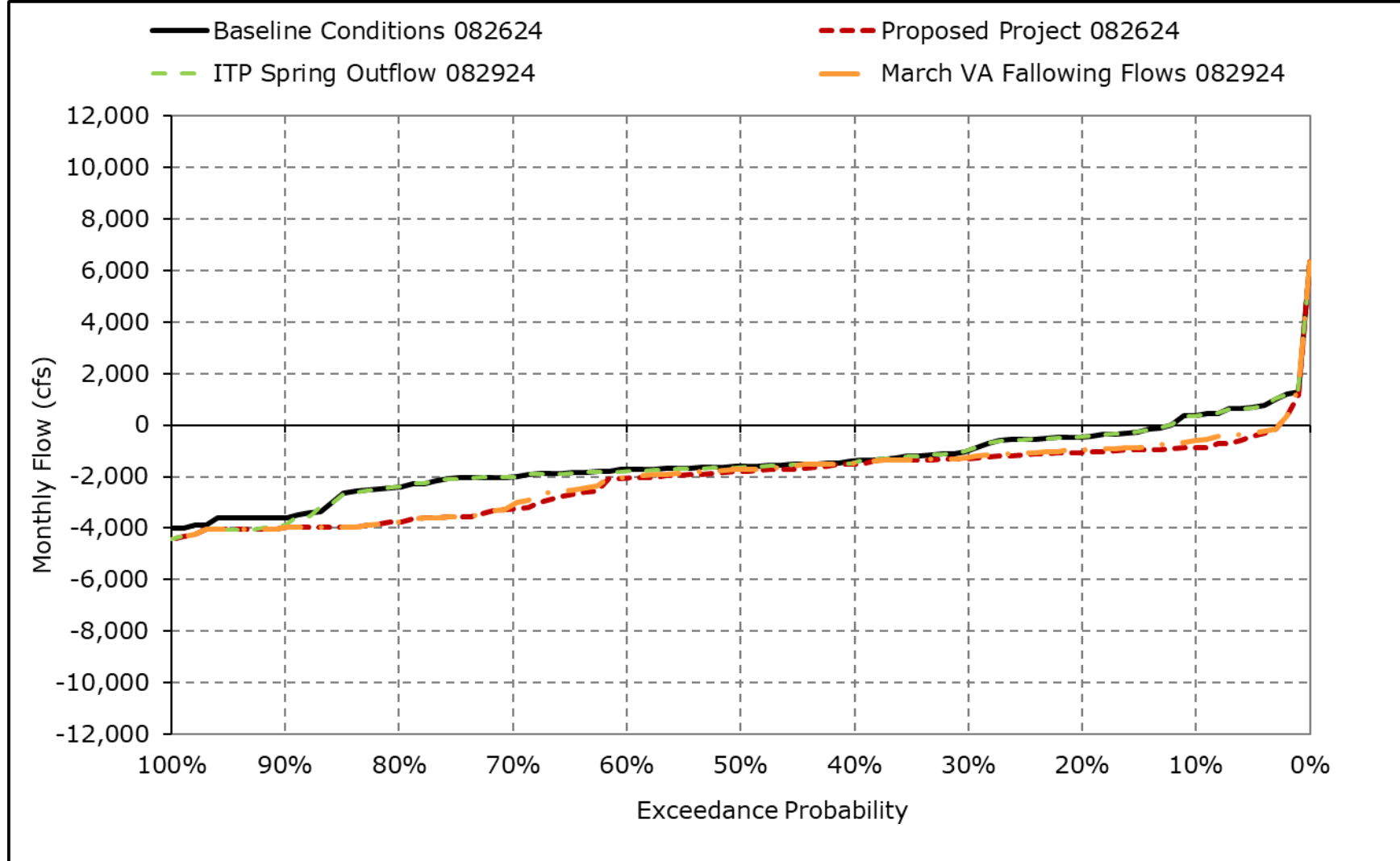
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



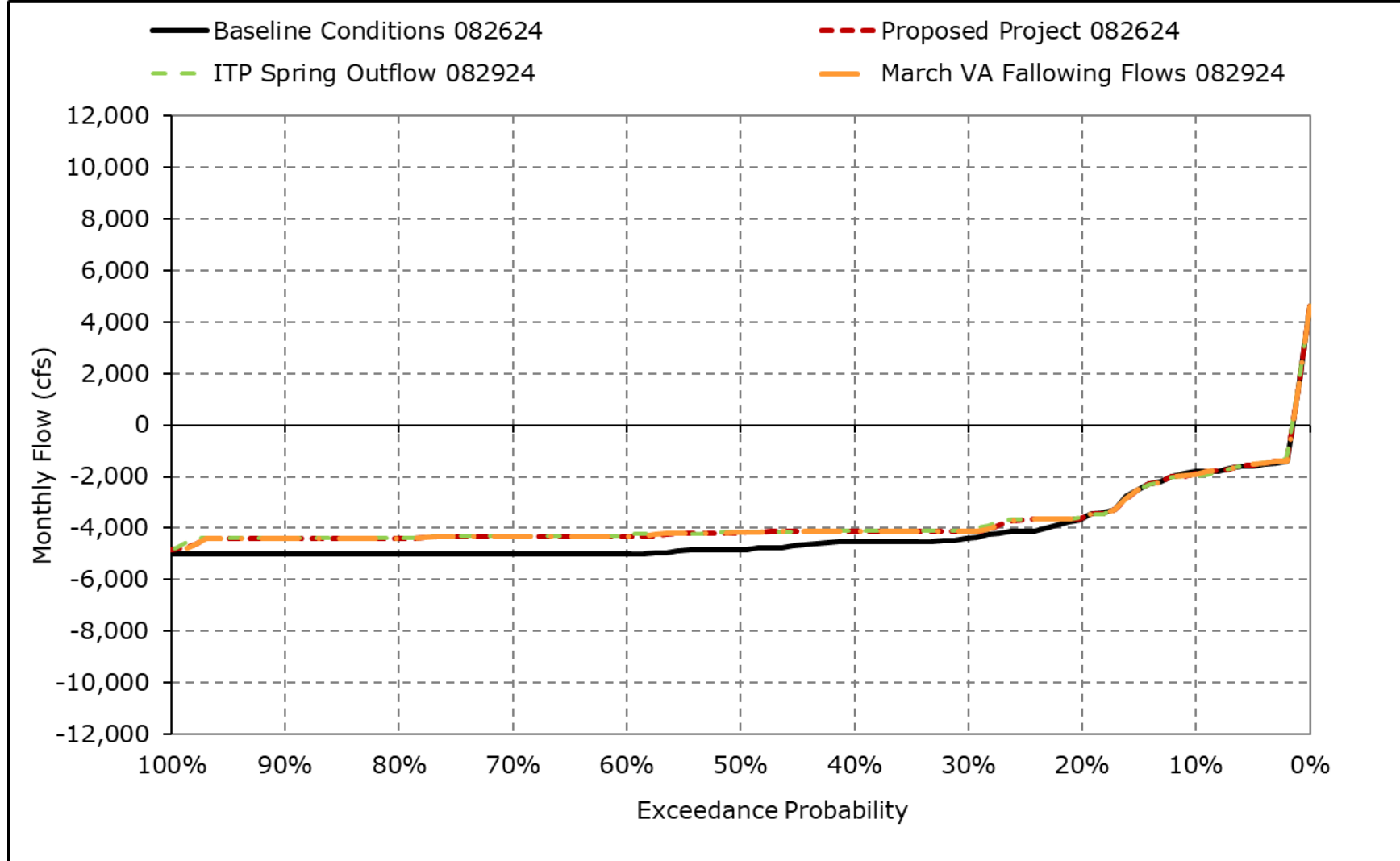
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



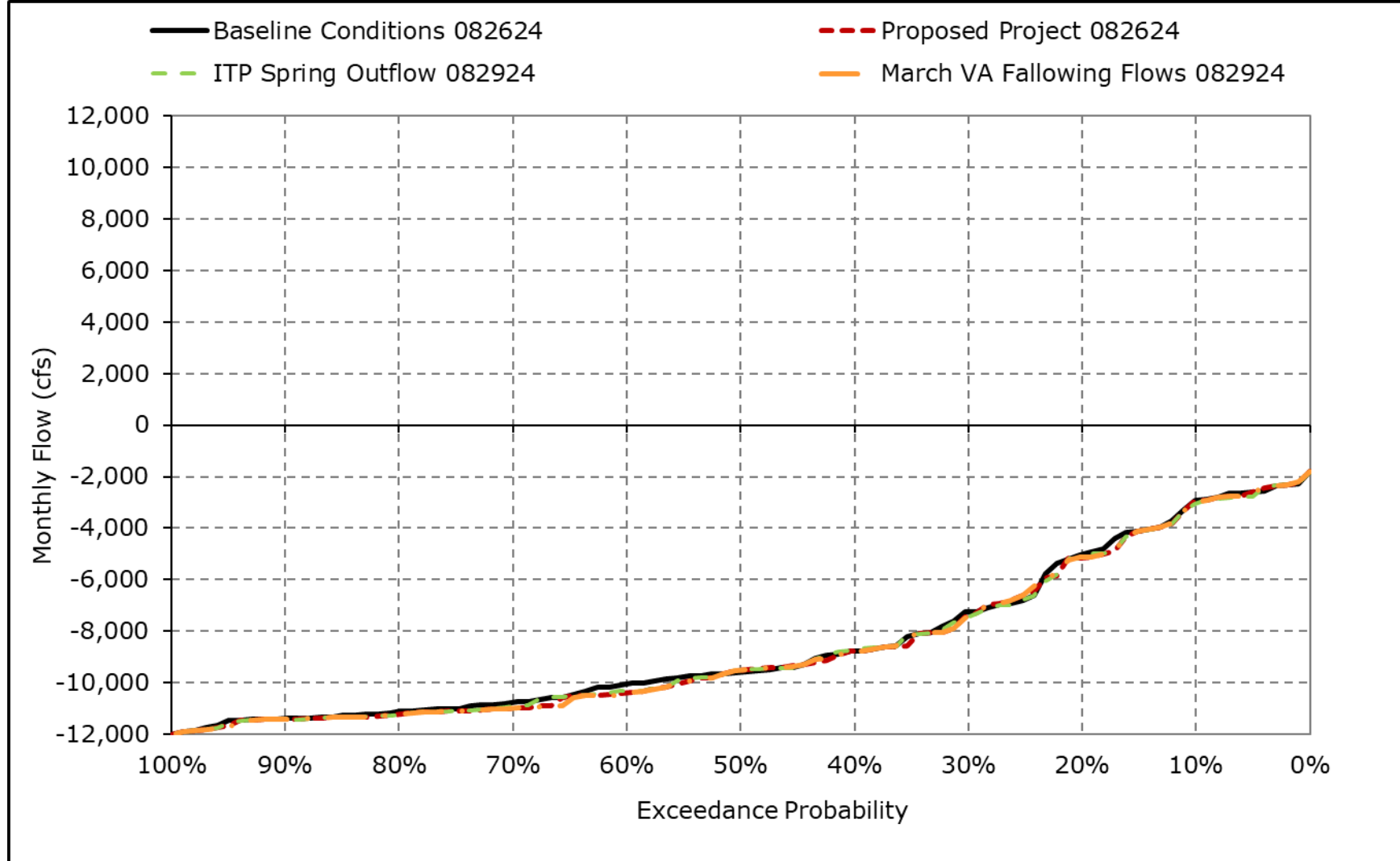
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



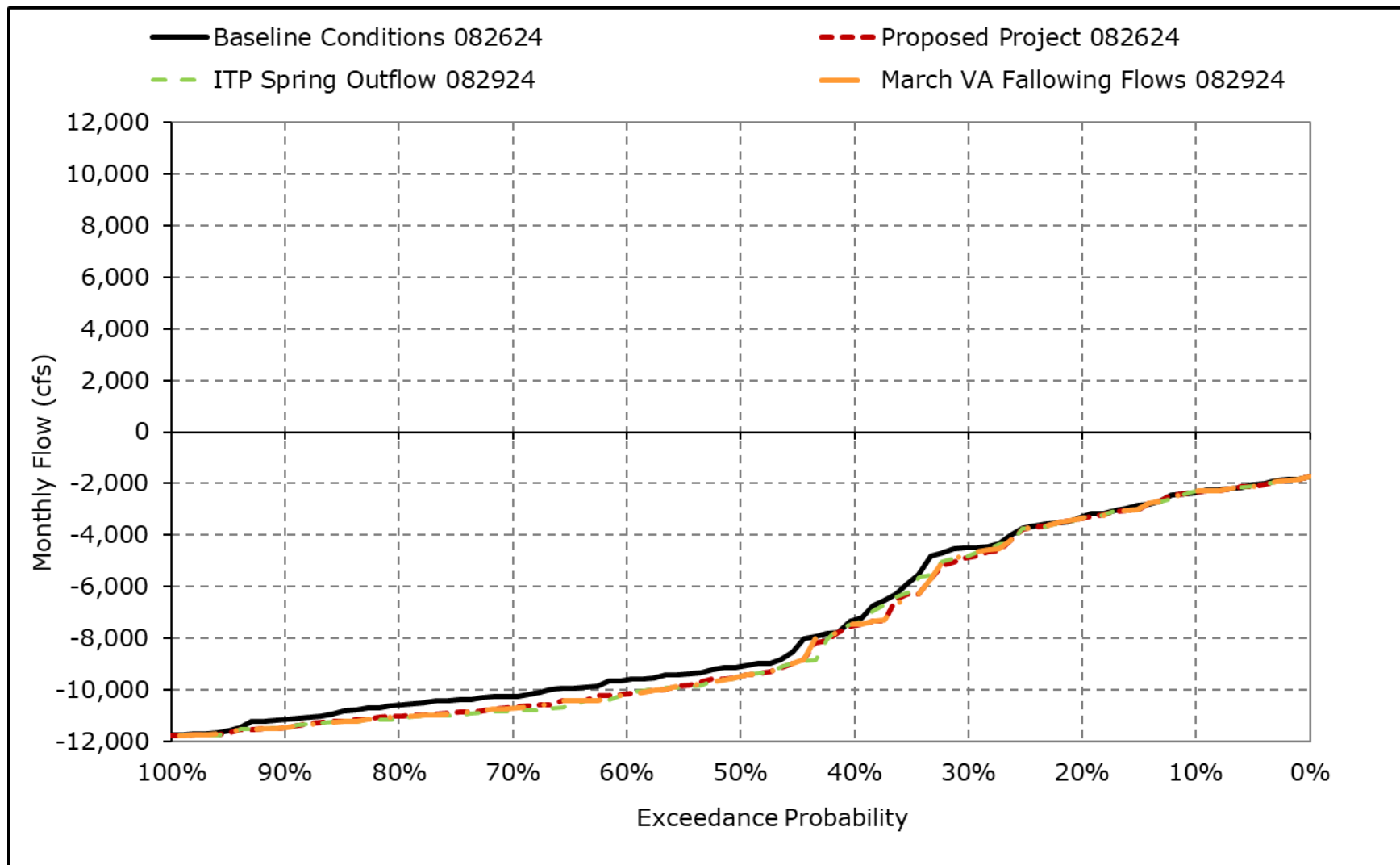
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



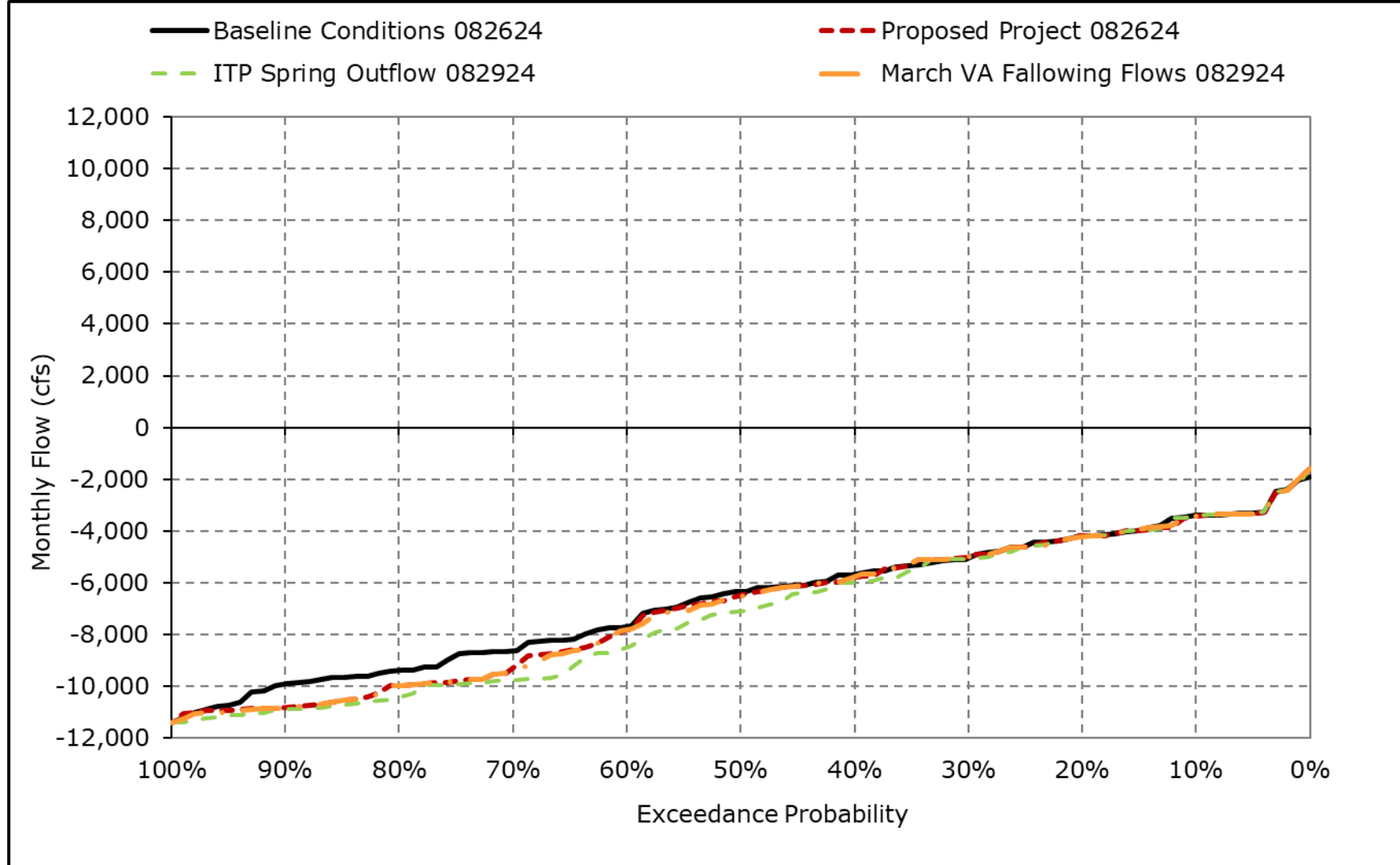
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



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

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



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

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

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

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

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

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

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

^a Based on the 100-year simulation period.

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

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

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

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

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

Table 4K-3-9-2b. Qwest, ITP Spring Outflow 082924, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,656	785	7,541	18,043	21,007	20,840	16,967	14,276	11,345	1,833	1,544	941
20% Exceedance	1,101	44	2,696	11,980	13,403	14,148	13,256	8,696	6,053	1,370	1,075	540
30% Exceedance	954	-314	1,056	4,943	10,384	9,824	10,735	6,682	4,024	405	345	73
40% Exceedance	758	-1,270	409	3,633	6,514	7,045	8,327	5,451	2,641	-366	-455	-95
50% Exceedance	535	-1,731	-204	2,077	4,550	4,321	6,336	4,494	1,968	-1,213	-1,314	-340
60% Exceedance	325	-2,556	-1,215	848	2,939	2,809	5,120	3,656	1,620	-1,962	-2,654	-582
70% Exceedance	-70	-3,251	-2,103	-194	1,713	2,229	3,690	2,369	1,212	-2,868	-3,181	-998
80% Exceedance	-537	-3,676	-3,175	-1,015	769	1,551	2,720	1,999	962	-3,190	-3,469	-1,368
90% Exceedance	-1,543	-4,114	-4,710	-1,867	-330	475	2,244	1,688	807	-3,500	-4,098	-2,083
Full Simulation Period Average ^a	355	-1,569	781	5,971	8,676	8,475	8,758	6,297	4,043	-725	-1,363	-421
Wet Water Years (32%)	16	-1,513	4,403	15,821	19,011	18,483	15,977	11,562	8,551	1,008	-1,824	-249
Above Normal Water Years (9%)	924	-2,394	-1,626	6,385	8,952	8,707	8,343	5,389	3,744	-1,770	-3,211	782
Below Normal Water Years (20%)	375	-1,991	-770	1,971	5,782	5,613	8,004	5,668	2,056	-2,803	-3,498	-2,100
Dry Water Years (21%)	397	-1,950	-986	-256	2,272	2,028	3,872	3,069	1,042	-2,539	-126	-381
Critical Water Years (18%)	604	-345	-672	-40	854	1,271	2,666	1,856	1,886	1,145	1,312	489

Table 4K-3-9-2c. Qwest, ITP Spring Outflow 082924 minus Baseline Conditions 082624, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	104	20	28	14	-130	-89	-24	-498	365	-20	-7	-1,120
20% Exceedance	-17	-30	-6	104	92	-108	122	4	633	-78	-109	-378
30% Exceedance	65	-151	-49	92	114	91	65	-32	570	-73	-468	-515
40% Exceedance	42	29	-87	243	382	-150	47	-56	413	-148	-528	-224
50% Exceedance	44	-14	4	263	548	28	3	-7	96	-111	-357	-200
60% Exceedance	139	72	-312	-189	737	137	-28	-1	395	-186	-408	-221
70% Exceedance	85	2	-58	-47	391	109	35	-3	463	-279	-618	-345
80% Exceedance	41	-2	-8	118	639	85	2	-51	395	-141	-403	-203
90% Exceedance	6	-55	454	71	316	73	7	-1	466	-22	-275	-70
Full Simulation Period Average ^a	68	9	4	116	358	-37	-14	-65	412	-112	-313	-368
Wet Water Years (32%)	79	49	-11	125	68	-338	-31	-92	575	-98	-412	-1,064
Above Normal Water Years (9%)	186	9	-56	187	416	-180	13	-120	679	-417	-665	-612
Below Normal Water Years (20%)	158	-44	32	178	464	101	-24	-108	472	-64	-347	-7
Dry Water Years (21%)	-40	-25	127	61	587	227	-1	-15	360	-157	-204	127
Critical Water Years (18%)	14	33	-114	58	457	111	-1	2	-17	12	-50	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 4K-3-9-3a. Qwest, Baseline Conditions 082624, Monthly Flow (cfs)

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

Table 4K-3-9-3b. Qwest, March VA Fallowing Flows 082924, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,707	794	7,470	18,076	20,862	20,487	17,000	13,242	11,345	1,863	1,533	1,344
20% Exceedance	1,099	67	2,684	11,975	13,426	14,171	13,075	6,724	6,053	1,422	1,085	683
30% Exceedance	954	-319	1,058	4,947	10,395	9,824	9,589	5,415	4,014	408	390	249
40% Exceedance	766	-1,255	407	3,632	6,504	7,158	7,381	4,607	2,813	-333	-545	-55
50% Exceedance	542	-1,801	-206	2,077	4,553	4,378	6,088	3,799	2,084	-1,214	-1,662	-281
60% Exceedance	325	-2,617	-1,204	847	2,932	2,922	5,001	2,830	1,725	-2,112	-2,650	-570
70% Exceedance	-56	-3,249	-2,042	-191	1,713	2,319	3,863	2,285	1,225	-2,896	-3,130	-940
80% Exceedance	-573	-3,676	-3,031	-997	768	1,649	2,794	1,847	978	-3,217	-3,398	-1,235
90% Exceedance	-1,585	-4,114	-4,870	-1,897	-330	590	2,301	1,509	816	-3,578	-4,089	-2,074
Full Simulation Period Average ^a	360	-1,562	764	5,961	8,683	8,486	8,638	5,720	4,075	-746	-1,356	-263
Wet Water Years (32%)	31	-1,500	4,361	15,823	19,024	18,336	15,645	10,757	8,576	1,005	-1,809	32
Above Normal Water Years (9%)	957	-2,394	-1,723	6,383	8,949	8,832	8,111	4,618	3,828	-1,805	-3,180	1,139
Below Normal Water Years (20%)	373	-1,988	-798	1,973	5,793	5,725	7,961	4,818	2,134	-2,851	-3,461	-1,905
Dry Water Years (21%)	382	-1,958	-970	-306	2,272	2,143	4,032	2,847	1,083	-2,582	-173	-404
Critical Water Years (18%)	604	-318	-628	-41	854	1,272	2,570	1,669	1,846	1,151	1,318	502

Table 4K-3-9-3c. Qwest, March VA Fallowing Flows 082924 minus Baseline Conditions 082624, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	155	29	-43	48	-276	-442	9	-1,532	365	10	-18	-717
20% Exceedance	-19	-7	-19	99	115	-86	-59	-1,967	634	-26	-98	-235
30% Exceedance	65	-156	-47	96	125	91	-1,080	-1,298	560	-70	-423	-339
40% Exceedance	50	44	-89	242	373	-37	-900	-900	585	-115	-618	-183
50% Exceedance	50	-84	1	263	551	85	-244	-703	212	-111	-705	-141
60% Exceedance	139	12	-301	-191	729	251	-147	-827	500	-336	-404	-209
70% Exceedance	98	3	3	-44	391	200	208	-87	476	-306	-567	-287
80% Exceedance	5	-2	136	137	639	183	76	-203	411	-169	-332	-70
90% Exceedance	-36	-56	294	41	316	188	64	-180	475	-101	-266	-61
Full Simulation Period Average ^a	72	16	-13	106	364	-26	-134	-642	444	-134	-307	-210
Wet Water Years (32%)	95	62	-53	128	81	-485	-363	-897	599	-100	-398	-783
Above Normal Water Years (9%)	219	9	-153	185	414	-55	-218	-892	763	-452	-634	-255
Below Normal Water Years (20%)	157	-41	4	180	475	213	-67	-958	550	-112	-310	188
Dry Water Years (21%)	-55	-32	142	10	587	342	159	-237	401	-200	-251	104
Critical Water Years (18%)	14	60	-70	56	458	112	-98	-185	-57	19	-43	22

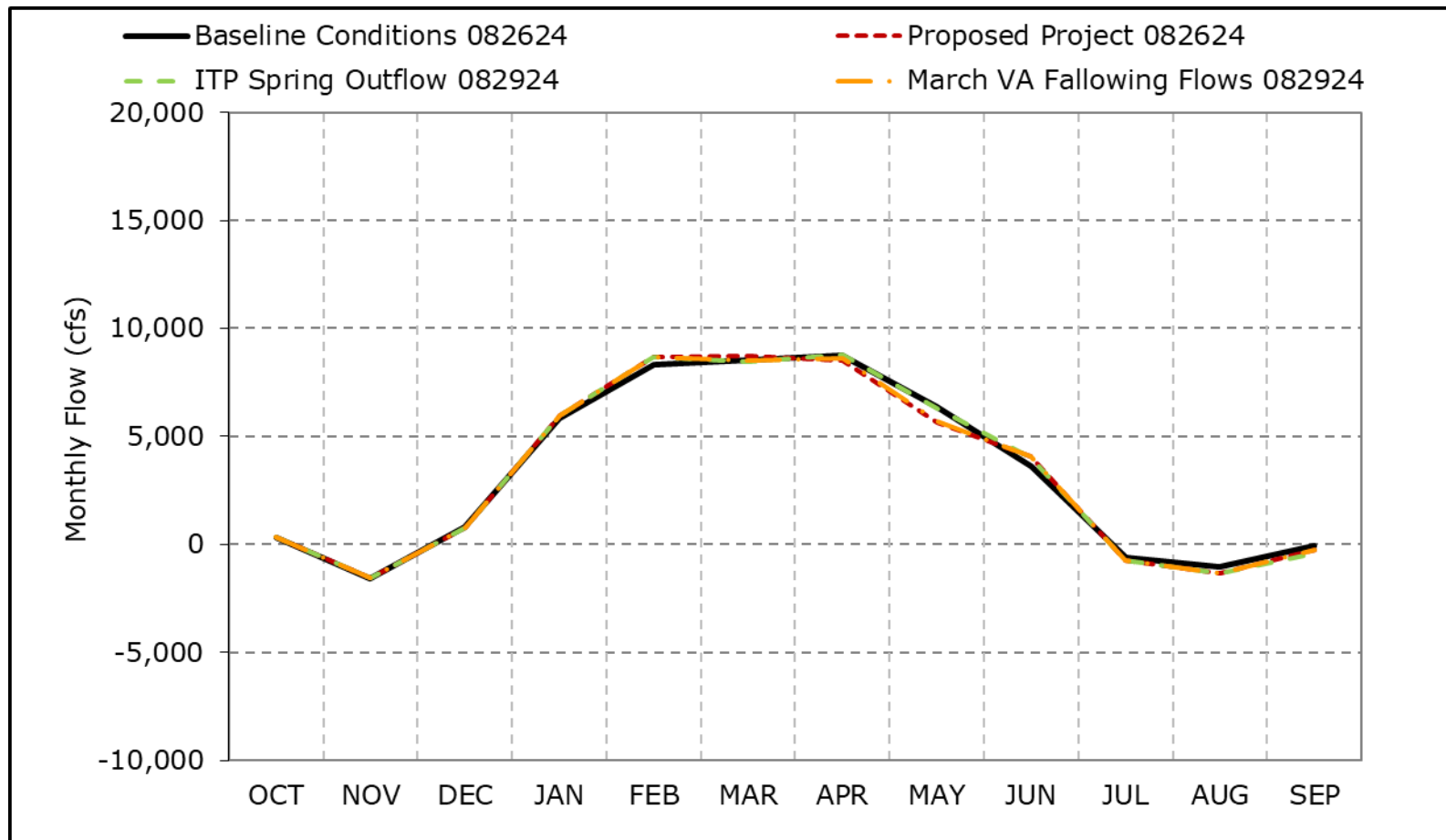
^a Based on the 100-year simulation period.

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

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

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

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

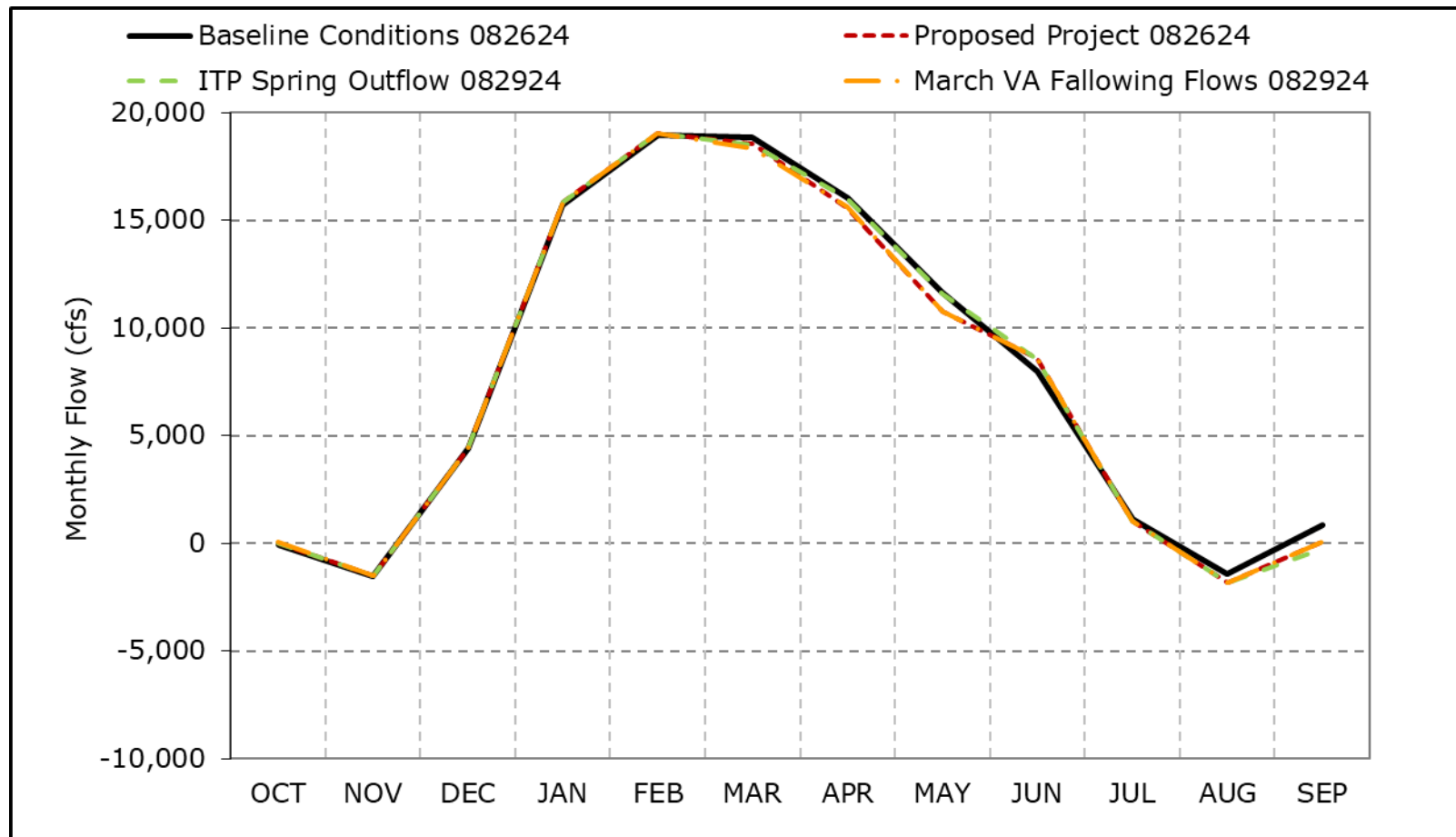


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*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 4K-3-9b. Qwest, Wet Year Average Flow

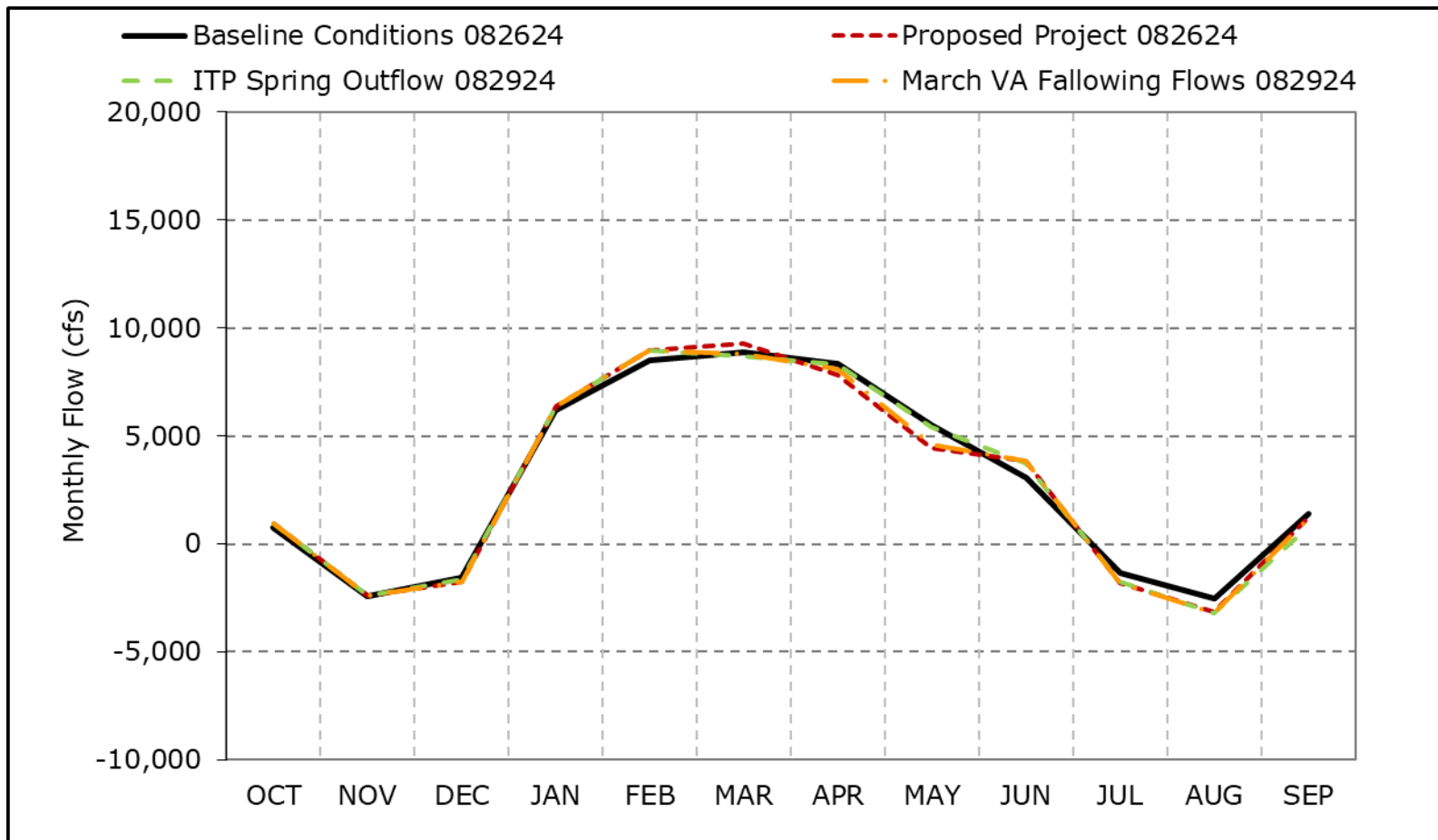


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*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 4K-3-9c. Qwest, Above Normal Year Average Flow

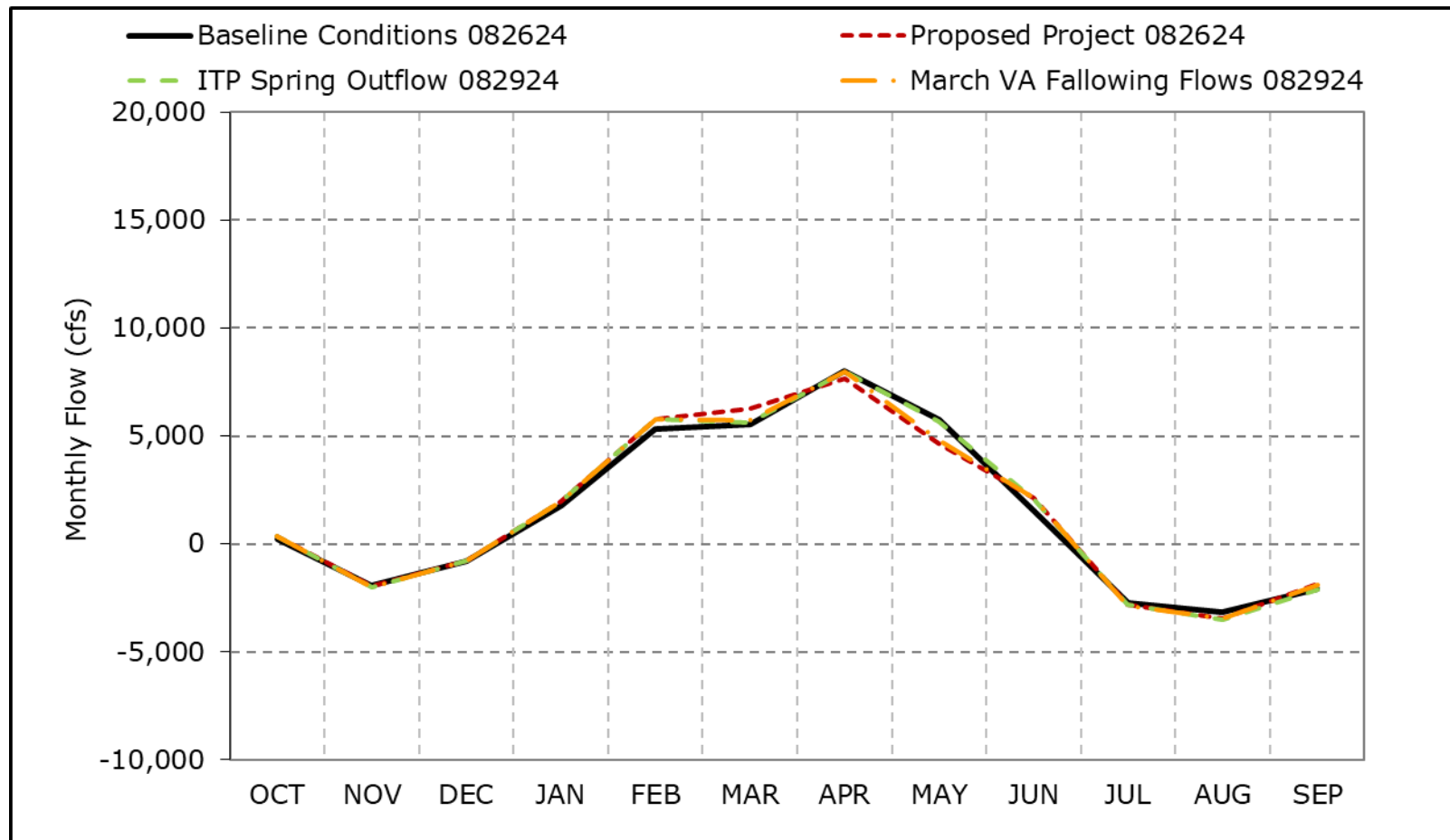


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*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 4K-3-9d. Qwest, Below Normal Year Average Flow

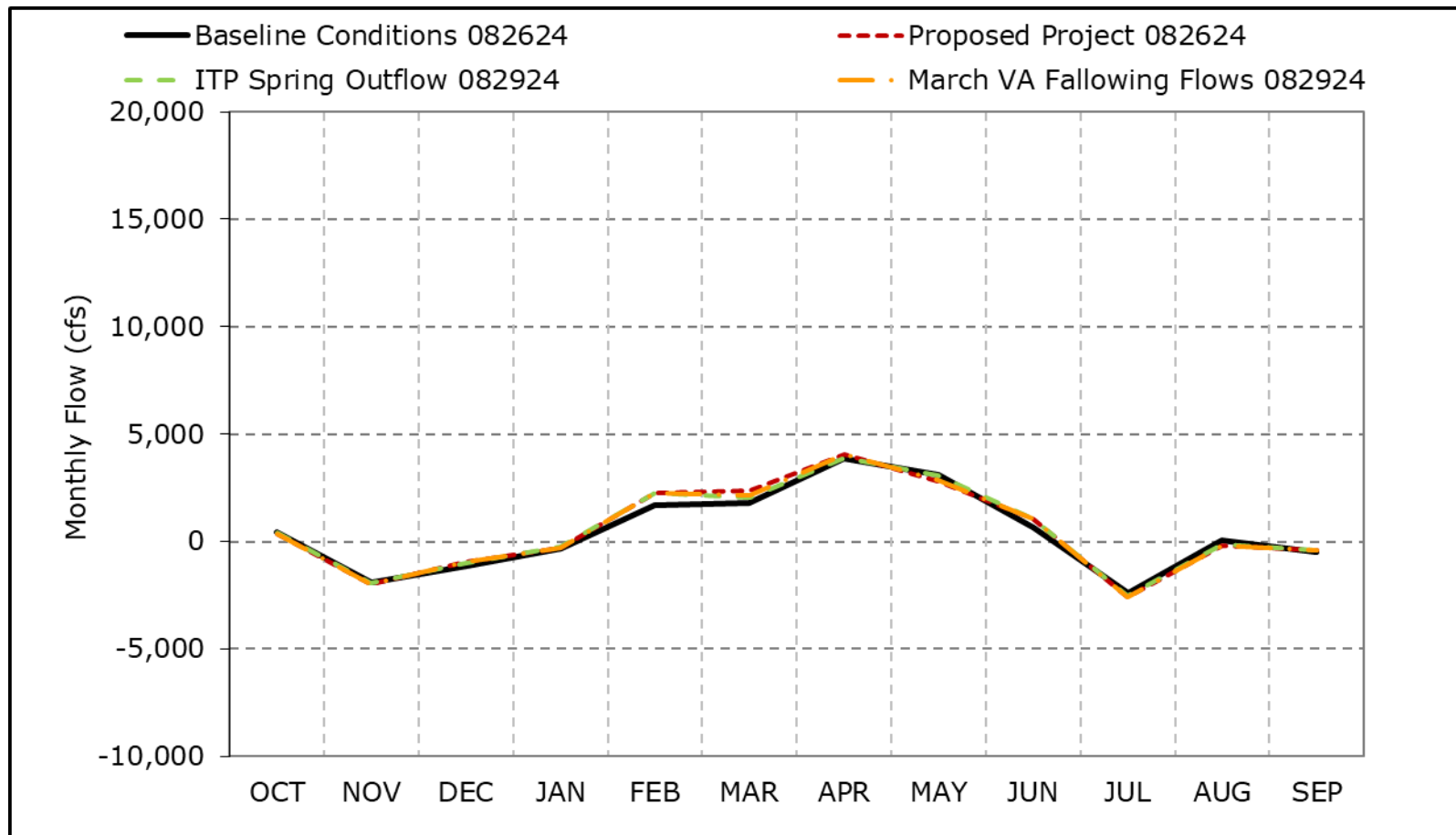


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*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 4K-3-9e. Qwest, Dry Year Average Flow

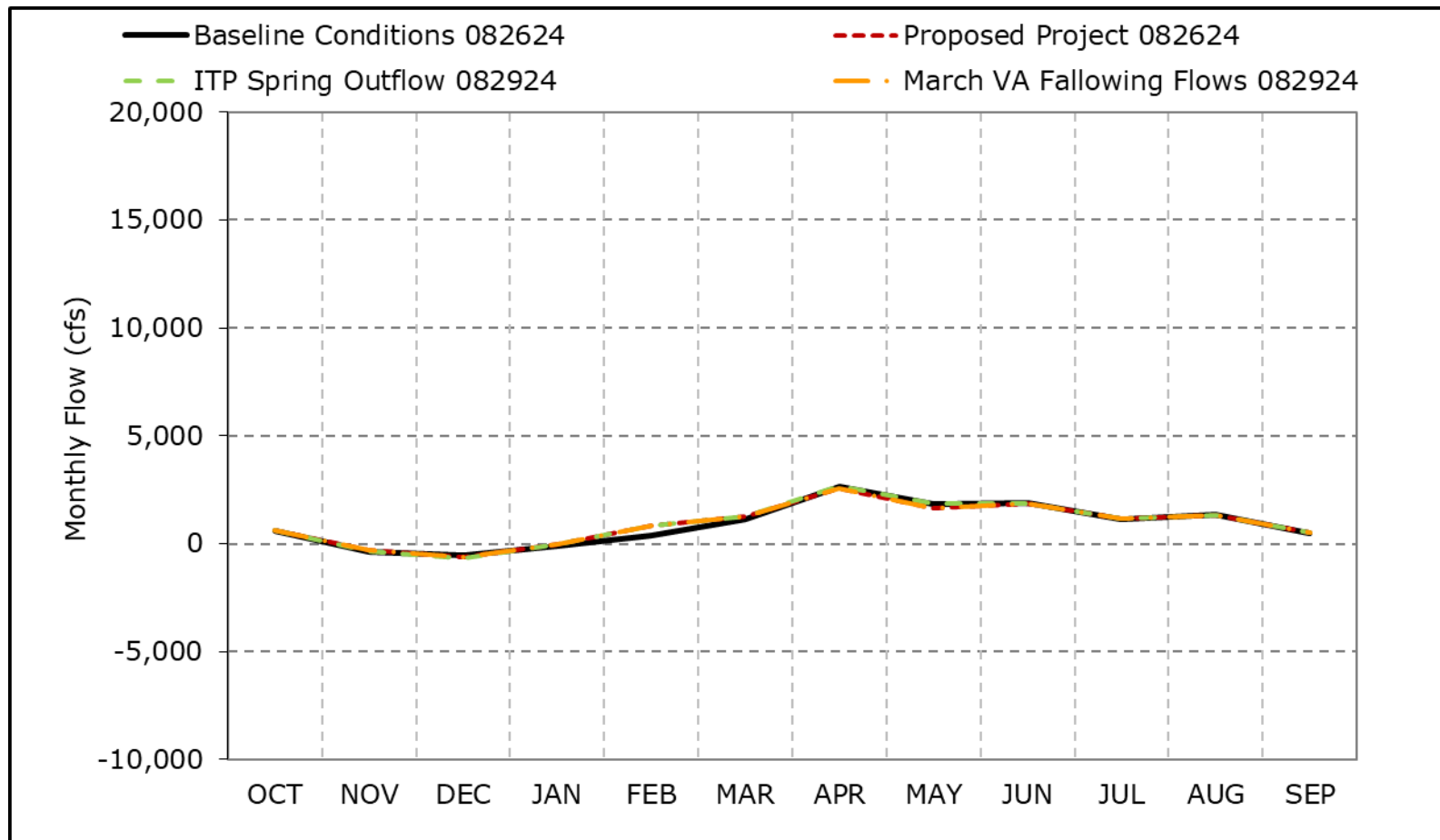


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*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 4K-3-9f. Qwest, Critical Year Average Flow

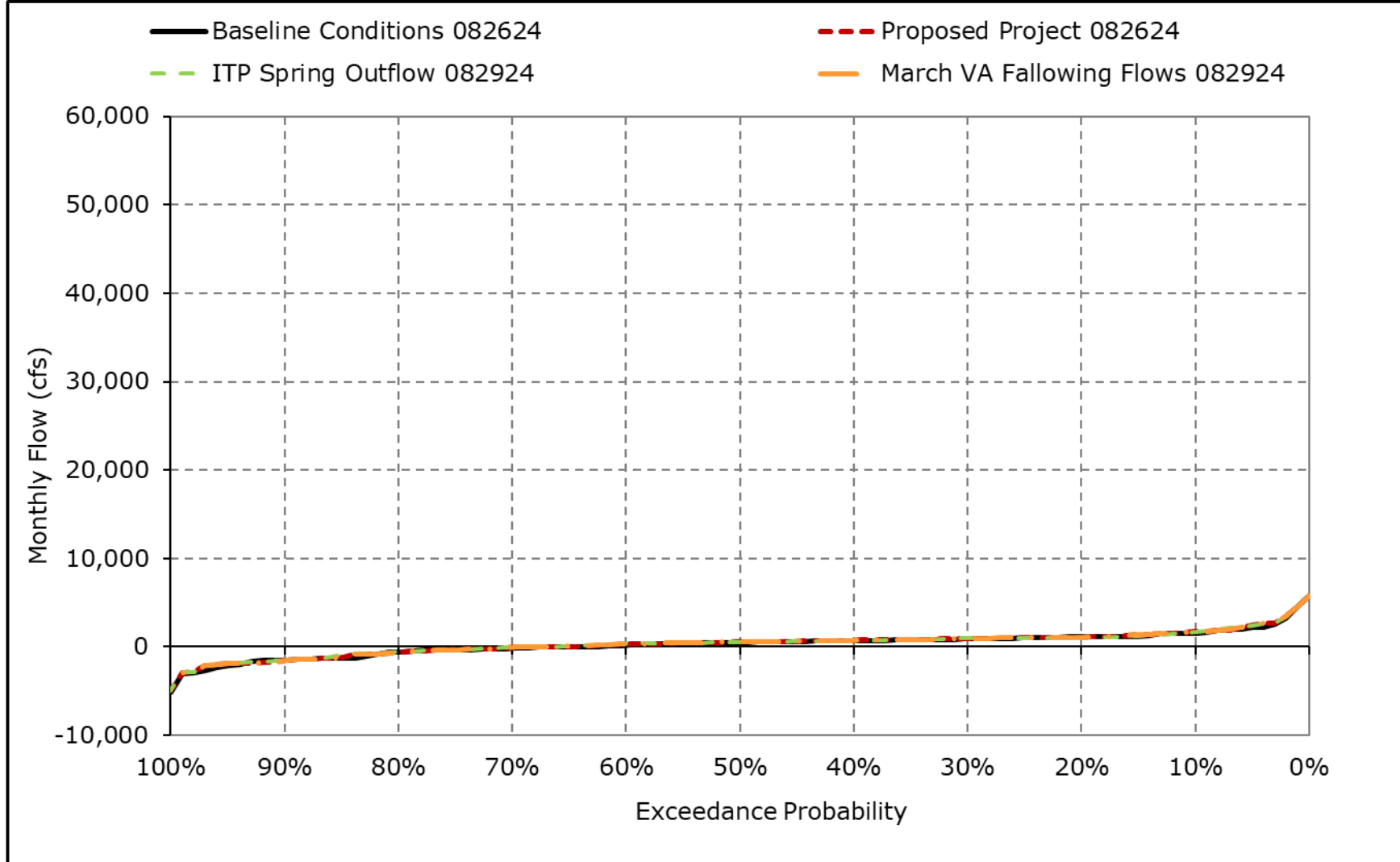


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

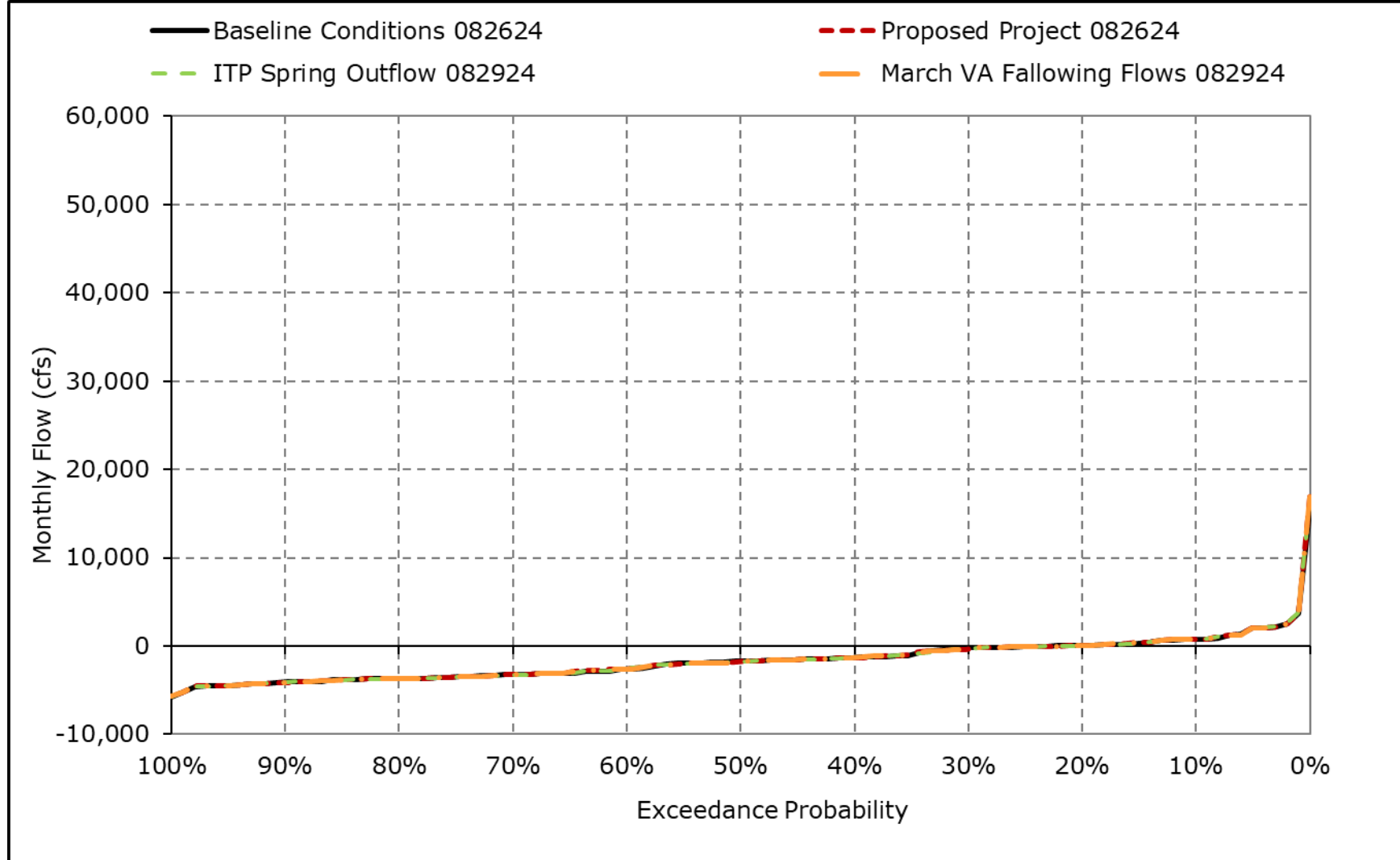
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



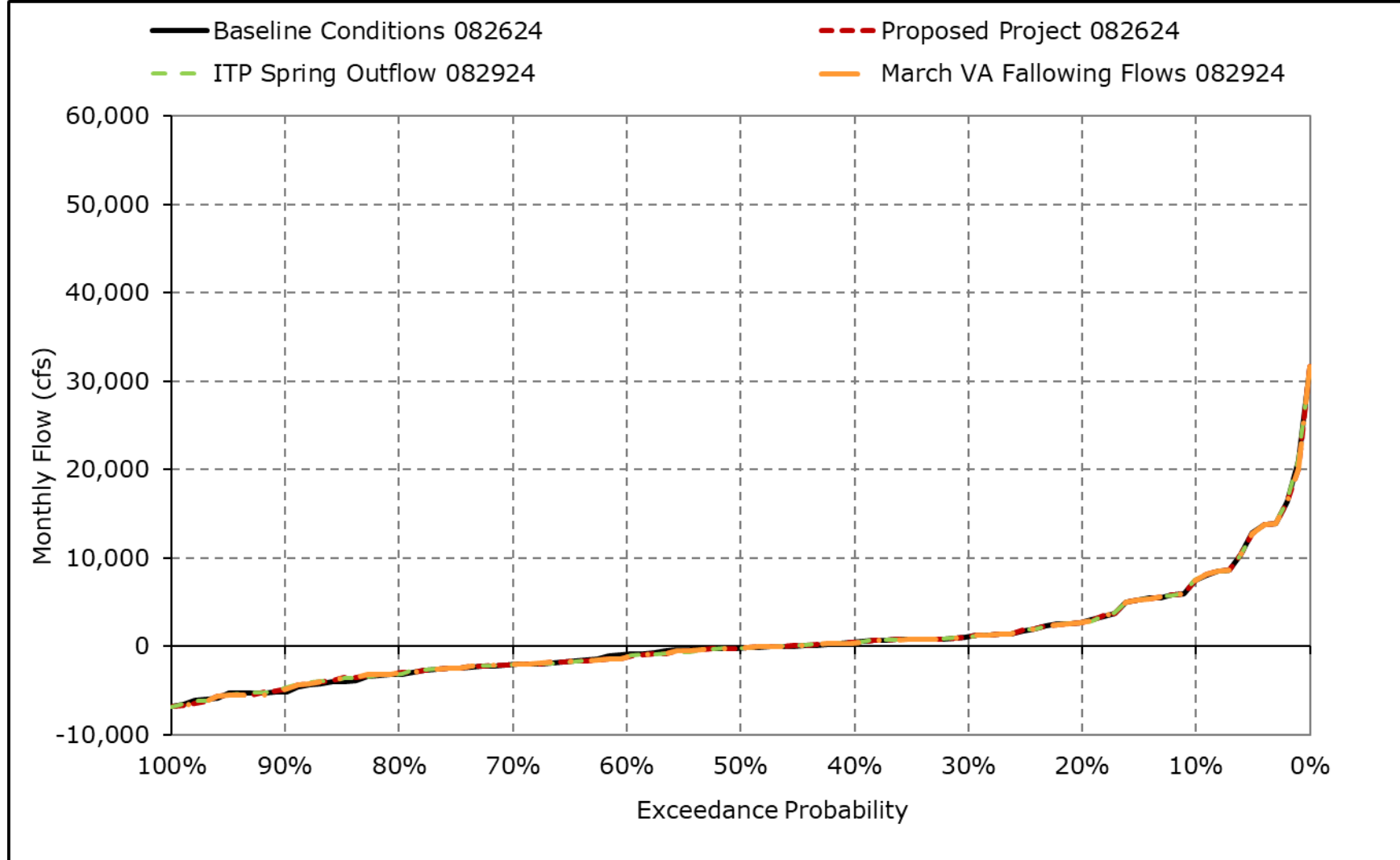
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



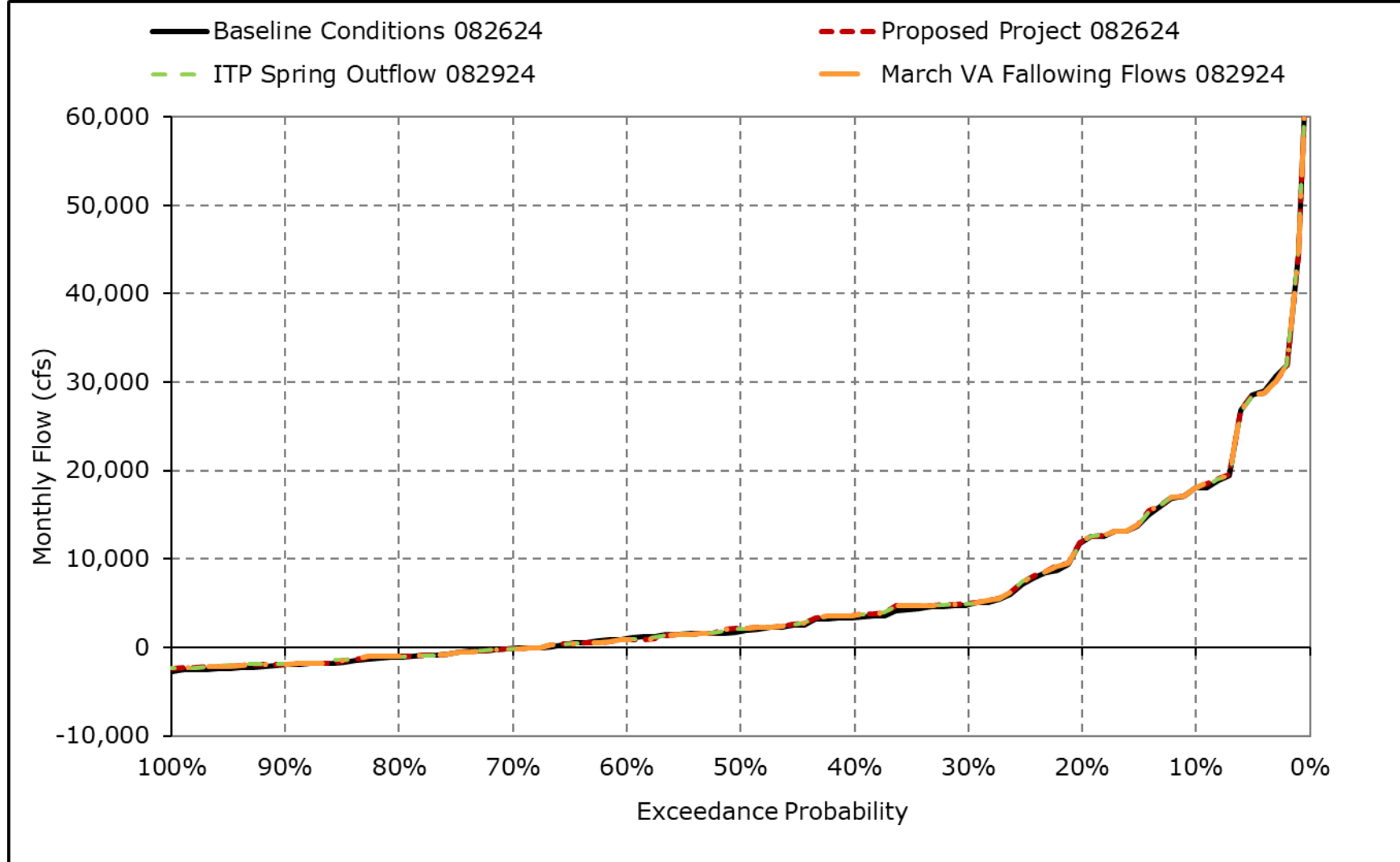
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



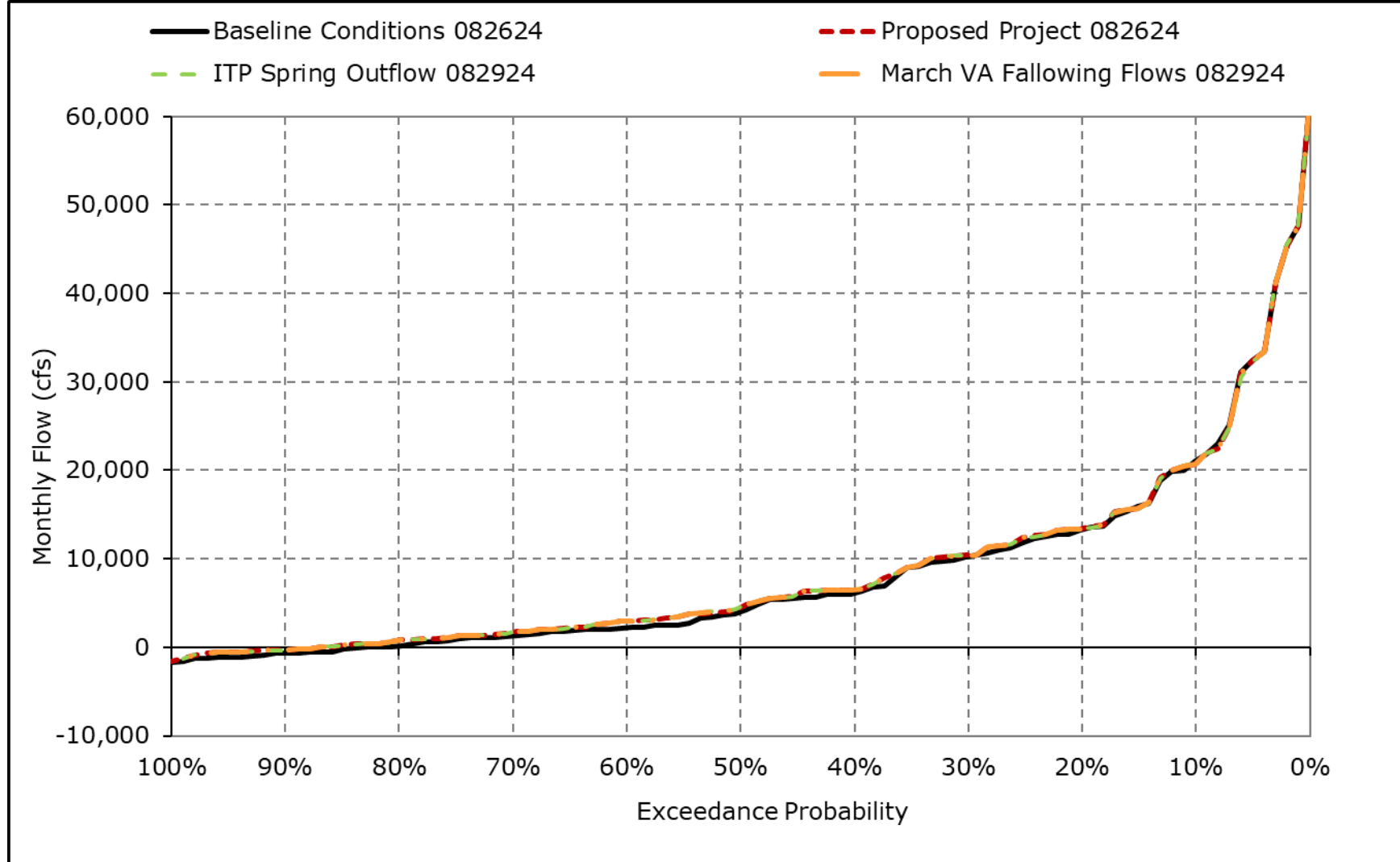
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



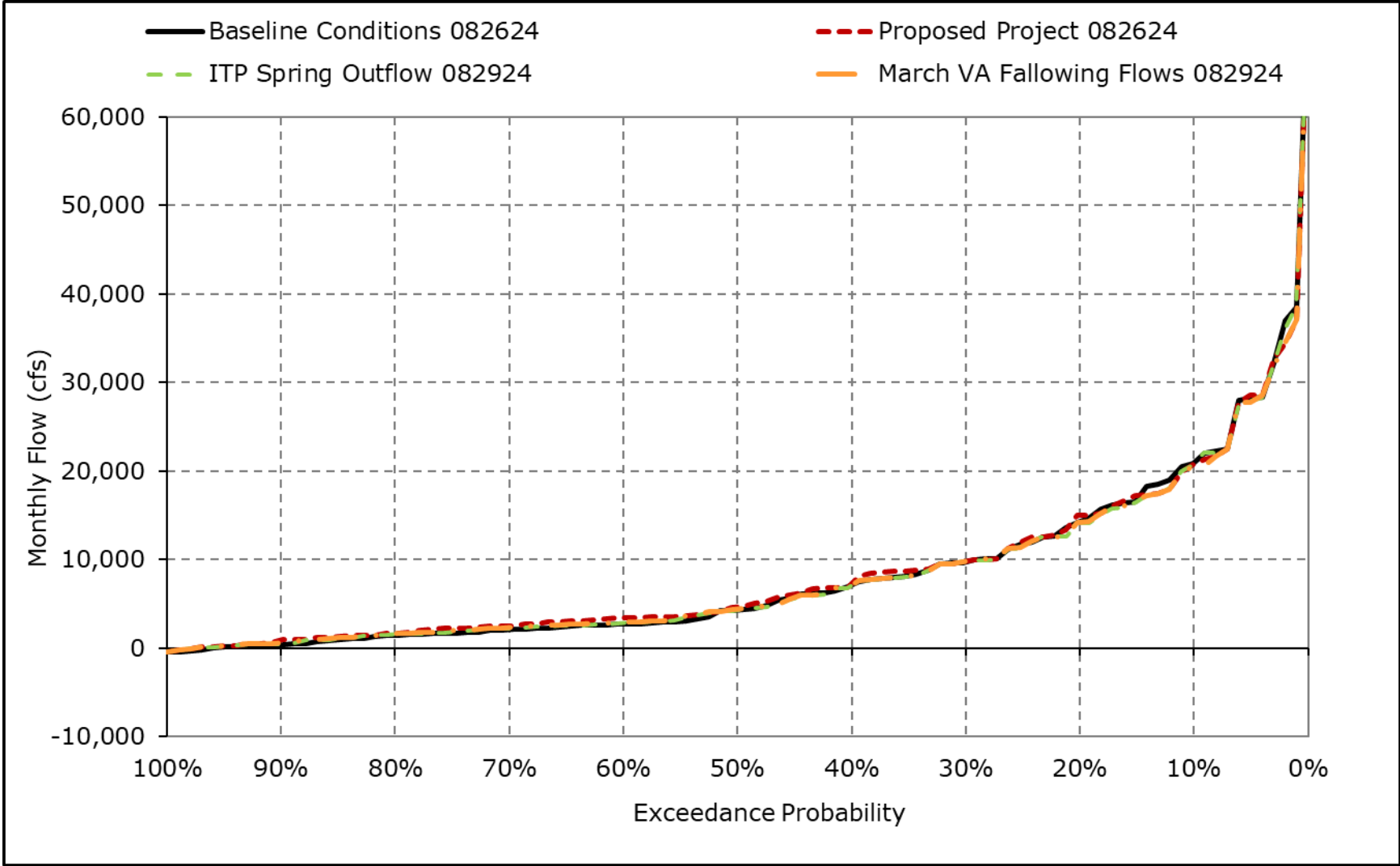
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



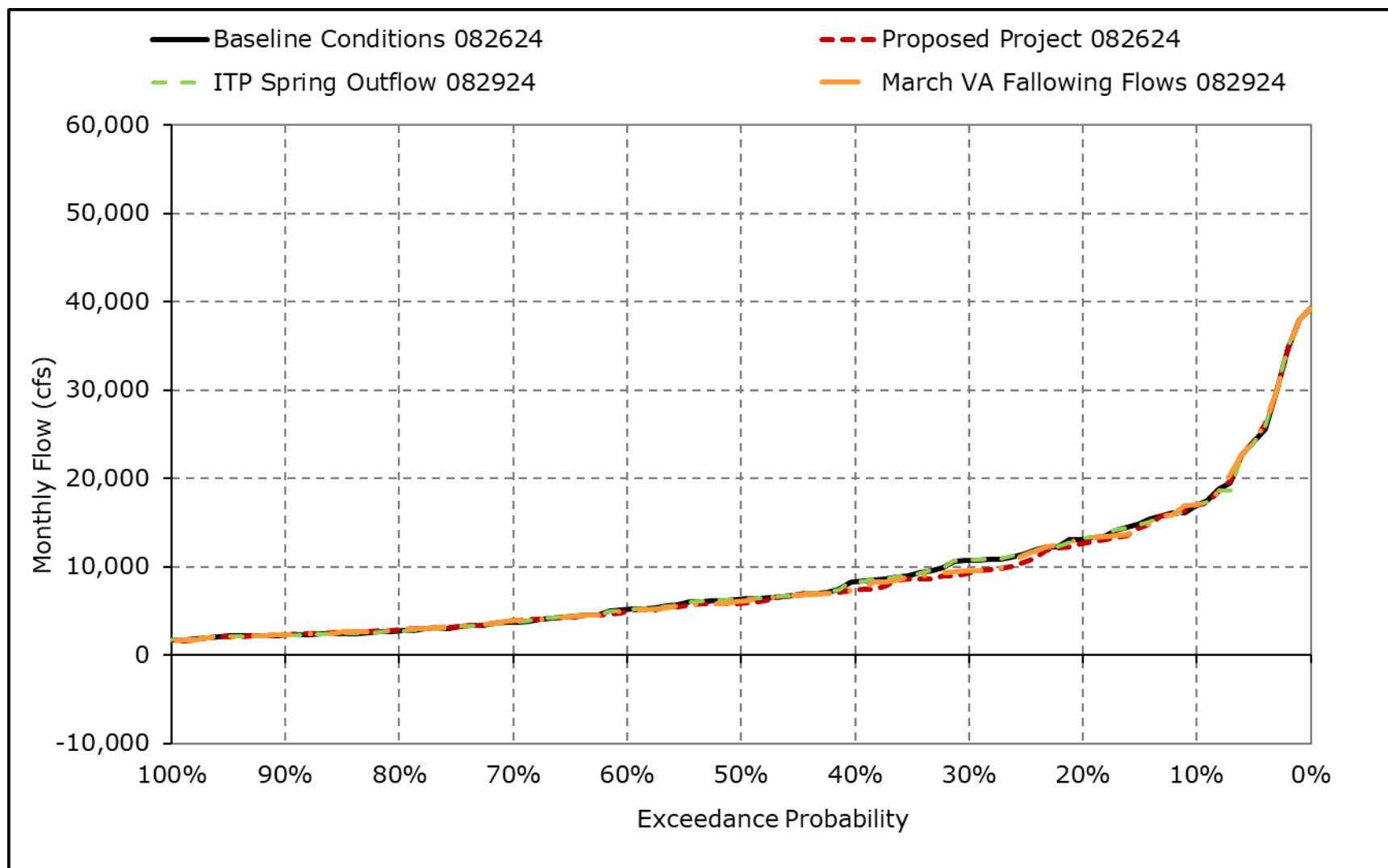
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



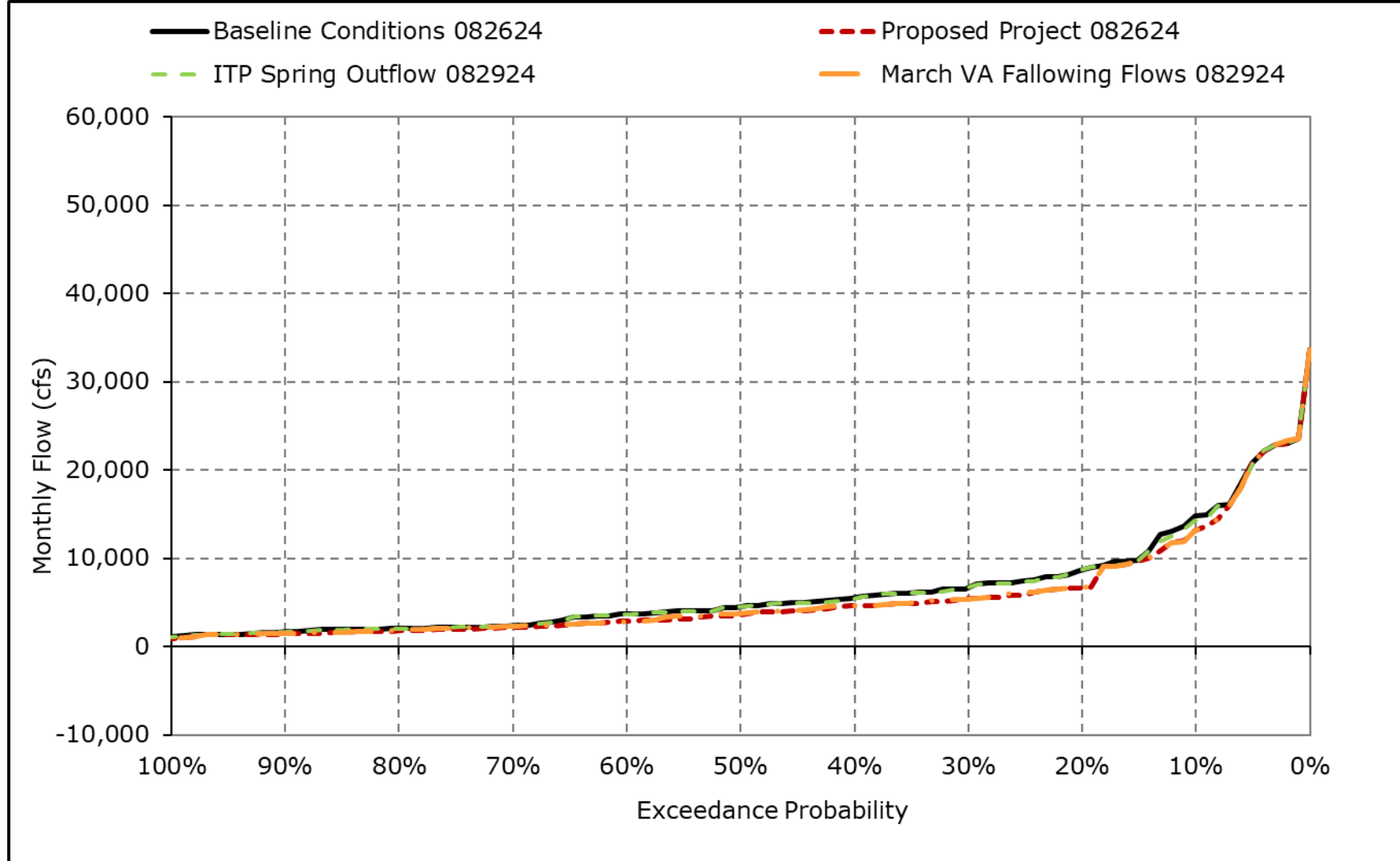
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



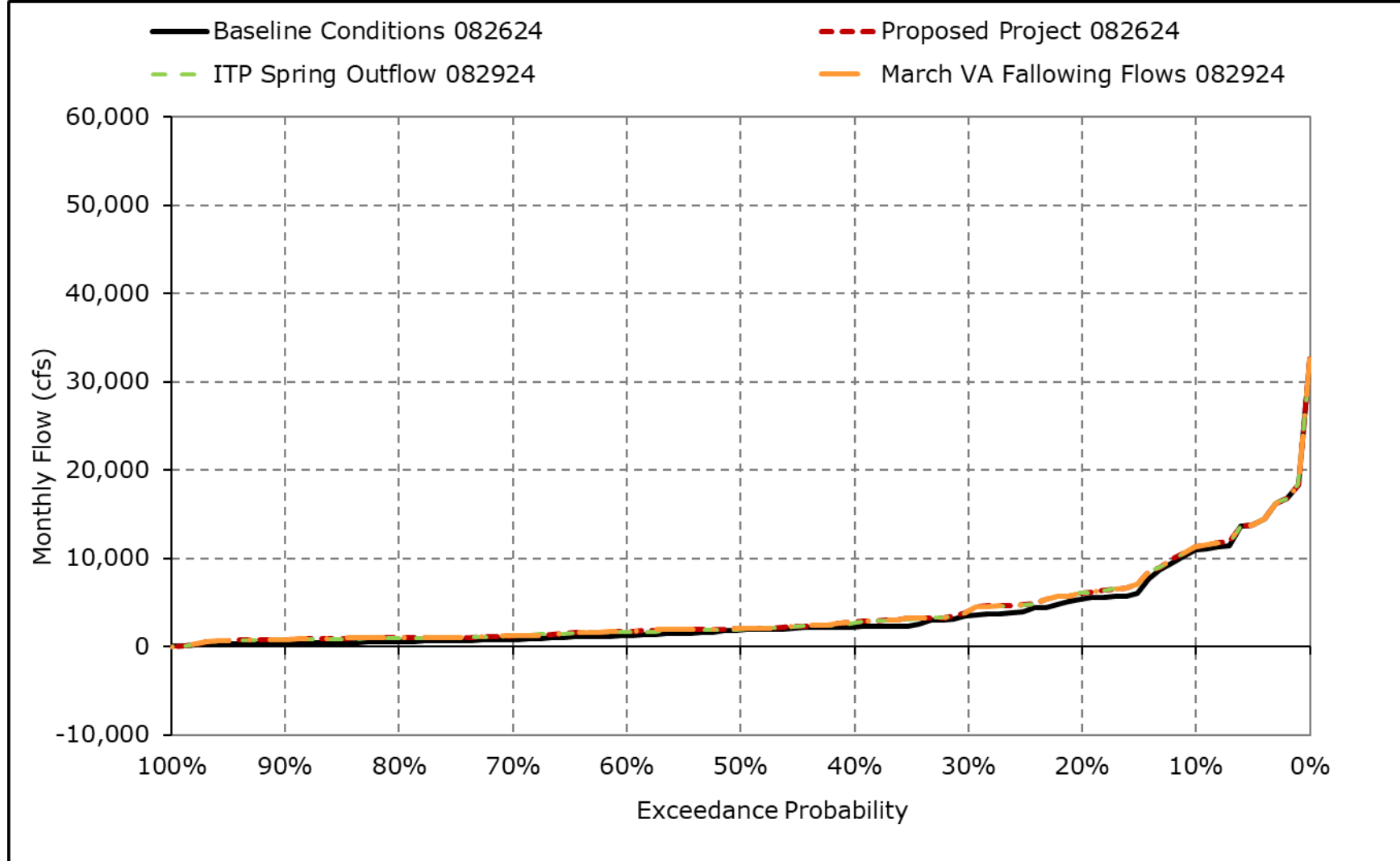
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



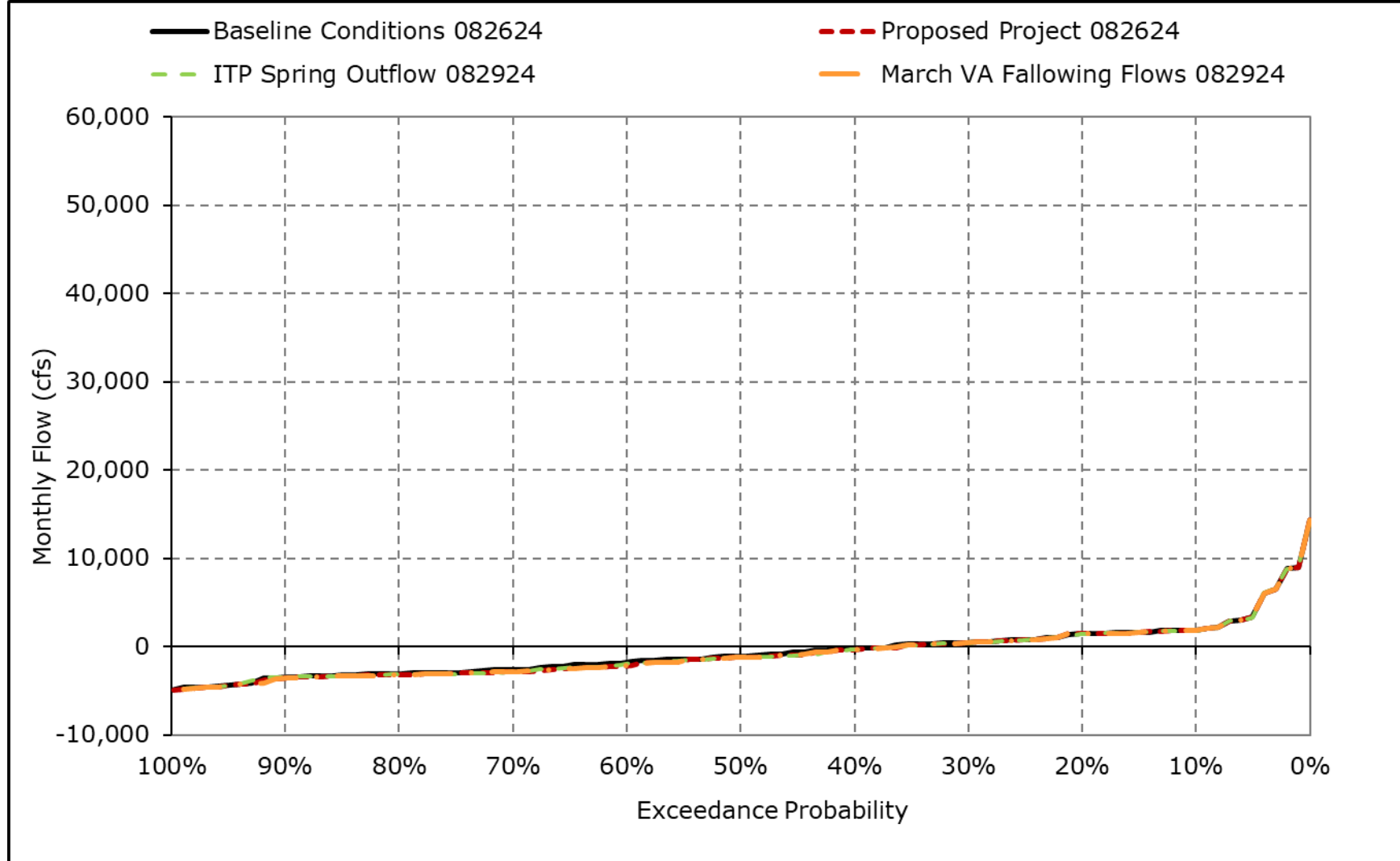
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



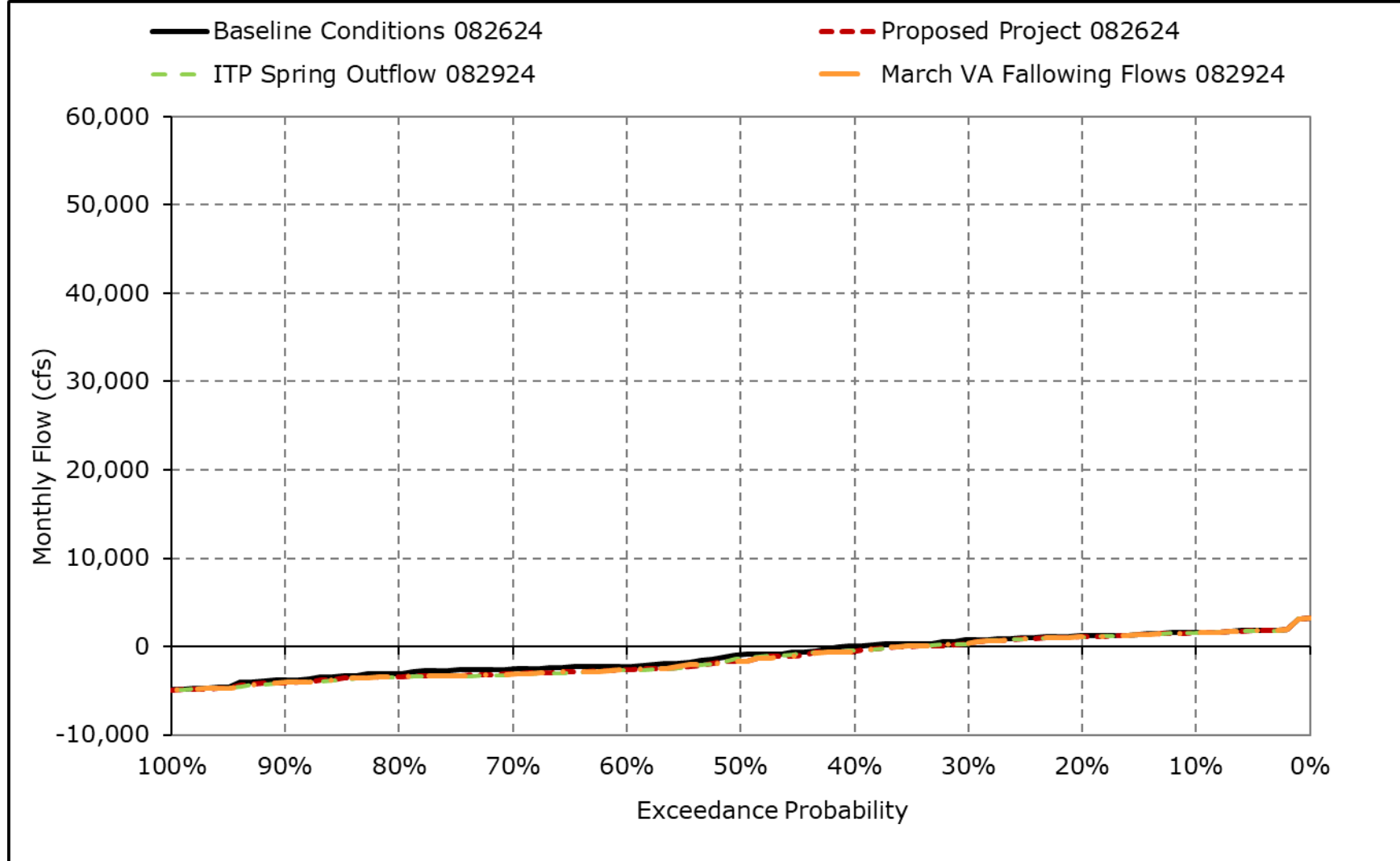
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



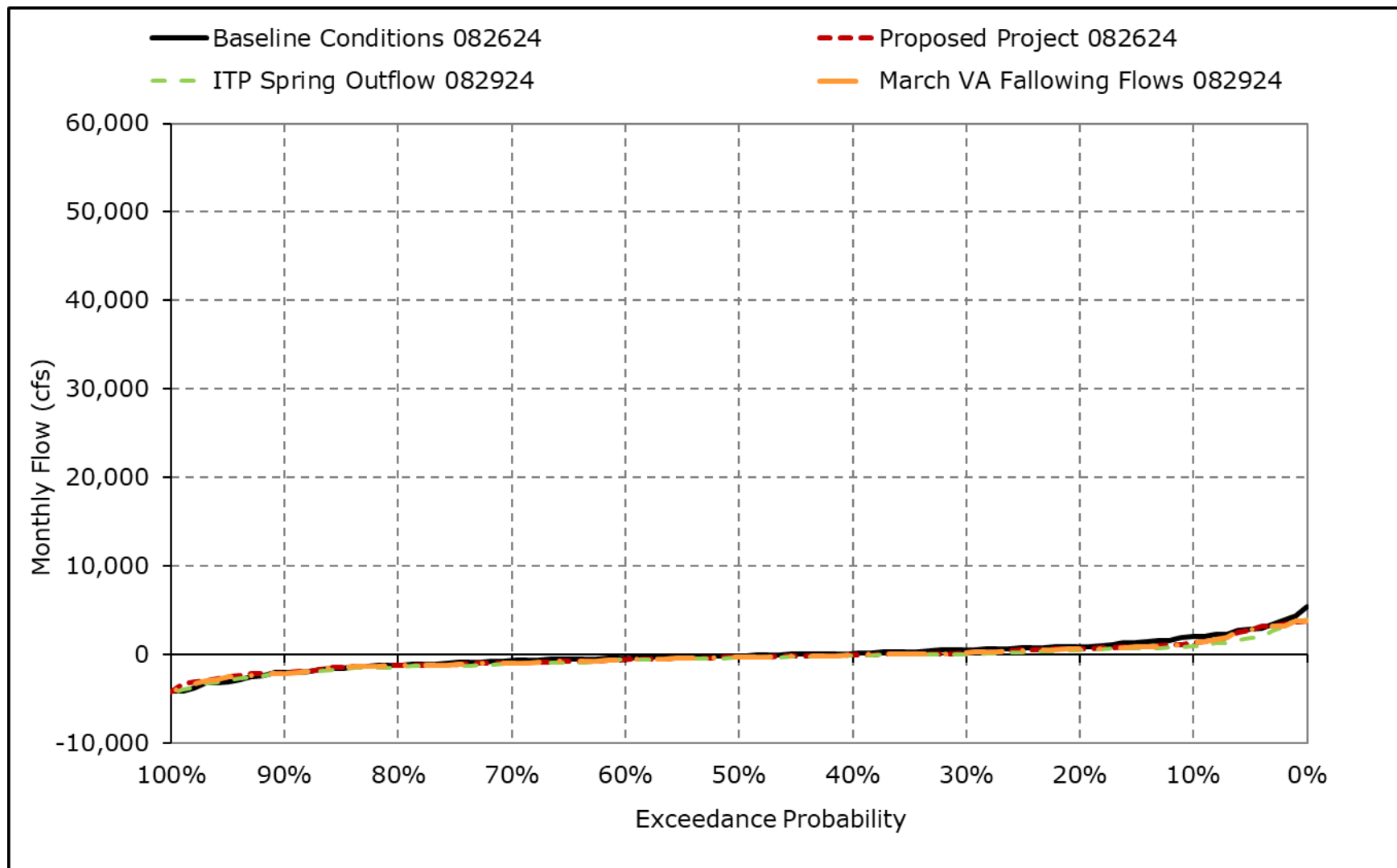
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



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

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



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

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

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

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

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

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

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

^a Based on the 100-year simulation period.

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

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

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

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

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

Table 4K-3-10-2b. Delta Outflow, ITP Spring Outflow 082924, Monthly Outflow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	8,453	13,507	58,514	111,660	127,802	113,723	67,526	53,042	31,320	10,817	6,153	10,999
20% Exceedance	8,125	7,551	32,788	72,751	81,257	69,468	47,835	35,927	21,374	9,171	5,532	10,324
30% Exceedance	7,813	6,542	20,132	39,415	59,571	51,469	30,293	24,151	13,154	8,978	5,375	10,067
40% Exceedance	7,813	6,098	12,439	28,682	43,390	41,111	24,610	18,790	8,914	8,187	5,166	8,926
50% Exceedance	4,948	5,776	9,018	21,108	31,255	28,526	19,120	15,019	7,307	7,605	4,000	4,249
60% Exceedance	4,084	5,563	7,517	15,440	24,086	22,311	15,116	12,221	7,100	6,522	4,000	3,499
70% Exceedance	4,000	5,117	6,783	11,116	18,689	17,949	12,267	10,635	6,856	5,021	3,500	3,008
80% Exceedance	4,000	4,784	5,931	9,431	13,691	13,350	10,922	9,155	6,114	5,000	3,500	3,000
90% Exceedance	3,000	4,500	5,151	7,759	10,386	9,411	9,539	6,729	4,000	4,000	3,000	3,000
Full Simulation Period Average^a	6,387	7,871	21,007	42,531	53,032	47,013	30,403	22,743	14,239	7,850	4,866	6,556
Wet Water Years (32%)	7,767	11,160	39,987	89,323	105,460	92,898	58,706	41,502	27,561	11,554	6,889	10,985
Above Normal Water Years (9%)	6,532	6,628	16,378	51,959	54,259	53,445	29,002	24,353	15,130	9,259	5,606	11,186
Below Normal Water Years (20%)	6,419	6,429	13,043	22,188	35,453	31,456	22,210	18,376	8,532	7,716	4,289	3,837
Dry Water Years (21%)	5,749	6,827	12,560	13,535	22,753	19,484	13,519	11,342	6,913	5,025	3,591	3,458
Critical Water Years (18%)	4,570	5,464	8,283	11,067	14,068	11,628	9,590	6,742	5,000	4,004	3,029	3,002

Table 4K-3-10-2c. Delta Outflow, ITP Spring Outflow 082924 minus Baseline Conditions 082624, Monthly Outflow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	16	-117	-497	-866	-483	256	-265	-448	895	-744	-864	687
20% Exceedance	0	-69	-72	107	-803	-326	106	-23	862	-528	-658	168
30% Exceedance	-156	19	16	314	-212	-533	-60	-253	970	-75	-284	67
40% Exceedance	403	56	10	439	349	-191	-99	-93	179	-325	-322	-148
50% Exceedance	115	67	319	493	664	411	118	-63	30	-499	-445	187
60% Exceedance	-25	6	-62	175	500	232	-17	1	0	0	0	136
70% Exceedance	0	-4	55	-1,030	780	406	-3	8	0	-57	-479	8
80% Exceedance	0	2	0	442	732	321	87	-179	34	0	0	0
90% Exceedance	0	0	25	65	177	-214	-12	1	0	0	0	0
Full Simulation Period Average^a	35	6	5	94	219	-121	-25	-112	252	-177	-252	35
Wet Water Years (32%)	21	61	-3	111	-137	-459	-61	-96	525	-114	-353	-238
Above Normal Water Years (9%)	146	-155	-92	162	218	-507	-9	-123	486	-487	-732	931
Below Normal Water Years (20%)	87	-55	75	115	352	148	-15	-327	194	-337	3	-7
Dry Water Years (21%)	-48	10	25	62	417	146	4	-37	10	-140	-350	137
Critical Water Years (18%)	40	53	-34	44	474	64	-17	17	0	0	-4	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 4K-3-10-3a. Delta Outflow, Baseline Conditions 082624, Monthly Outflow (cfs)

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

Table 4K-3-10-3b. Delta Outflow, March VA Following Flows 082924, Monthly Outflow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	8,594	13,504	58,774	111,333	128,086	113,777	67,547	53,035	31,321	10,941	6,155	10,999
20% Exceedance	8,125	7,552	32,834	72,755	81,538	69,461	46,882	35,400	21,375	9,178	5,541	10,315
30% Exceedance	7,813	6,530	20,091	39,424	59,553	52,303	29,268	22,788	13,154	8,877	5,369	10,067
40% Exceedance	7,813	6,106	12,384	28,685	43,437	41,153	24,296	16,834	9,195	8,188	5,166	8,926
50% Exceedance	4,981	5,776	8,883	21,184	31,261	28,933	18,883	14,488	7,630	7,657	4,000	3,925
60% Exceedance	4,089	5,563	7,452	15,439	24,017	22,902	15,173	11,935	7,100	6,522	4,000	3,488
70% Exceedance	4,000	5,116	6,787	11,116	18,442	18,216	12,057	10,361	7,079	5,021	3,500	3,008
80% Exceedance	4,000	4,772	5,960	9,452	13,719	14,164	11,022	9,420	6,704	5,000	3,500	3,000
90% Exceedance	3,000	4,500	5,154	7,750	10,387	9,844	9,518	6,513	4,000	4,000	3,000	3,000
Full Simulation Period Average ^a	6,387	7,866	20,993	42,522	53,124	47,422	30,304	22,173	14,376	7,826	4,869	6,522
Wet Water Years (32%)	7,762	11,119	39,969	89,320	105,751	92,861	58,382	40,699	27,640	11,541	6,884	10,984
Above Normal Water Years (9%)	6,553	6,715	16,257	51,957	54,358	54,457	28,763	23,581	15,406	9,241	5,615	11,150
Below Normal Water Years (20%)	6,419	6,428	13,074	22,178	35,396	32,249	22,165	17,533	8,818	7,627	4,275	3,710
Dry Water Years (21%)	5,762	6,824	12,559	13,508	22,762	20,295	13,774	11,151	7,054	5,021	3,616	3,436
Critical Water Years (18%)	4,555	5,475	8,268	11,063	14,071	11,629	9,485	6,551	5,000	4,004	3,034	3,002

Table 4K-3-10-3c. Delta Outflow, March VA Following Flows 082924 minus Baseline Conditions 082624, Monthly Outflow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	156	-119	-237	-1,193	-198	310	-245	-456	897	-620	-861	687
20% Exceedance	0	-69	-26	112	-522	-334	-847	-550	863	-521	-648	159
30% Exceedance	-156	7	-25	324	-230	301	-1,085	-1,616	970	-176	-290	67
40% Exceedance	403	64	-44	442	396	-149	-413	-2,049	459	-323	-322	-148
50% Exceedance	147	67	184	569	670	817	-119	-594	352	-446	-445	-137
60% Exceedance	-20	6	-127	175	431	823	40	-285	0	0	0	125
70% Exceedance	0	-5	59	-1,030	532	674	-212	-266	223	-57	-479	8
80% Exceedance	0	-10	29	463	760	1,135	187	85	623	0	0	0
90% Exceedance	0	0	28	56	178	218	-33	-214	0	0	0	0
Full Simulation Period Average ^a	35	2	-9	85	312	287	-124	-682	389	-201	-250	1
Wet Water Years (32%)	17	20	-21	108	153	-497	-384	-899	604	-127	-358	-239
Above Normal Water Years (9%)	167	-69	-212	160	318	504	-248	-896	761	-505	-723	895
Below Normal Water Years (20%)	87	-57	105	105	295	941	-59	-1,170	480	-425	-10	-134
Dry Water Years (21%)	-35	7	23	35	427	957	260	-229	151	-144	-325	115
Critical Water Years (18%)	25	63	-50	40	477	66	-121	-174	0	0	1	0

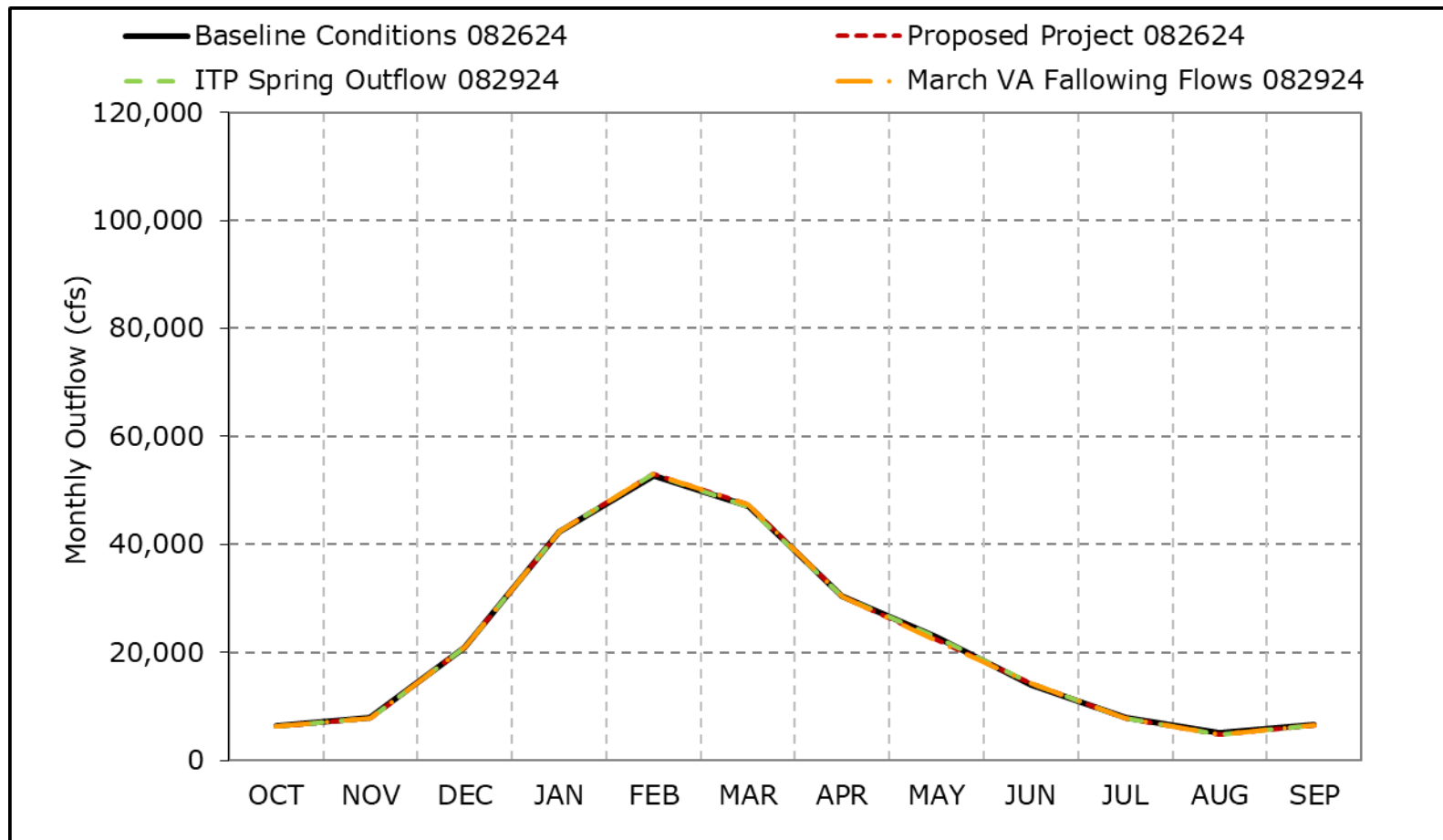
^a Based on the 100-year simulation period.

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

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

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

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

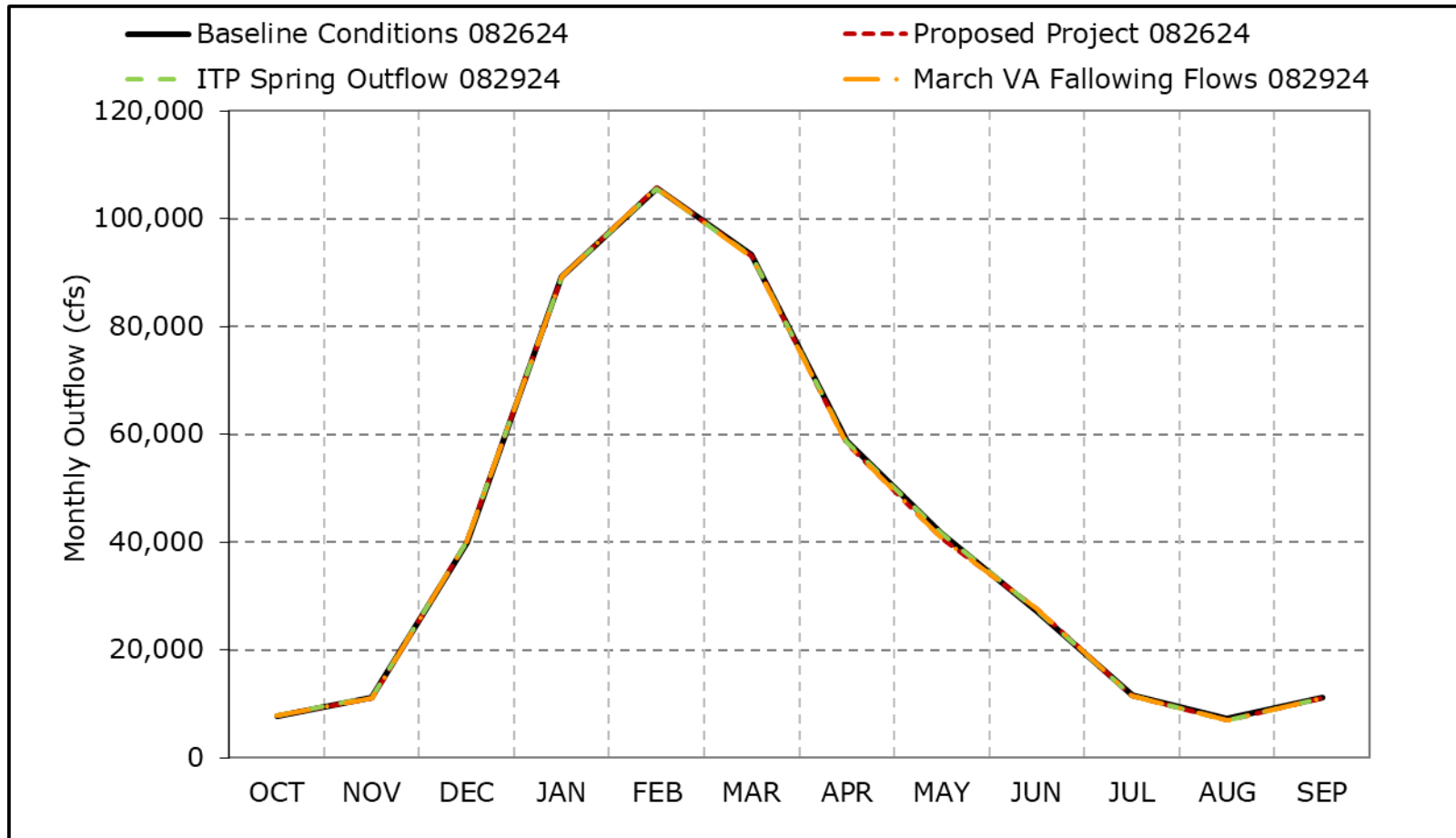


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*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 4K-3-10b. Delta Outflow, Wet Year Average Outflow

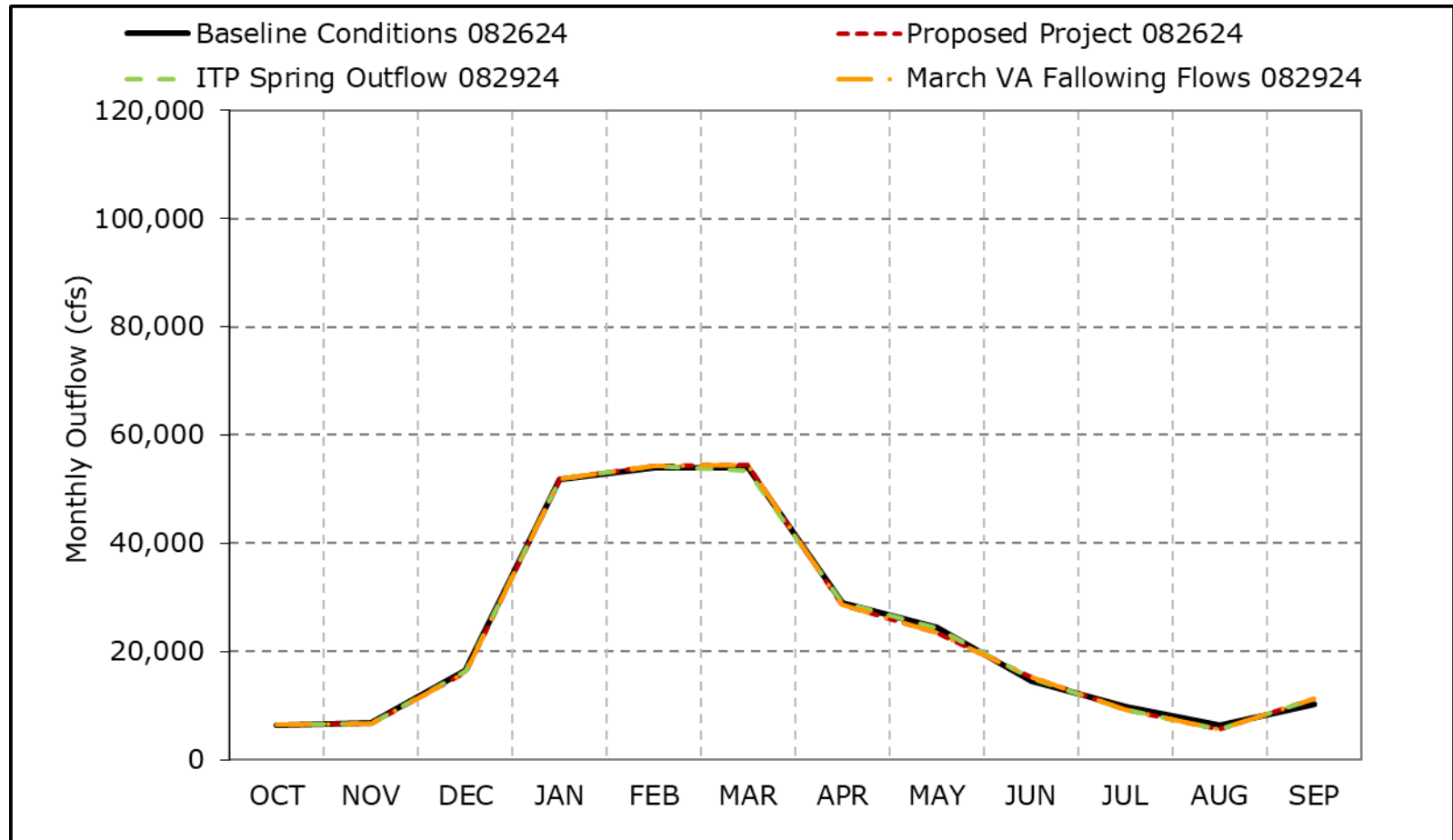


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*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 4K-3-10c. Delta Outflow, Above Normal Year Average Outflow

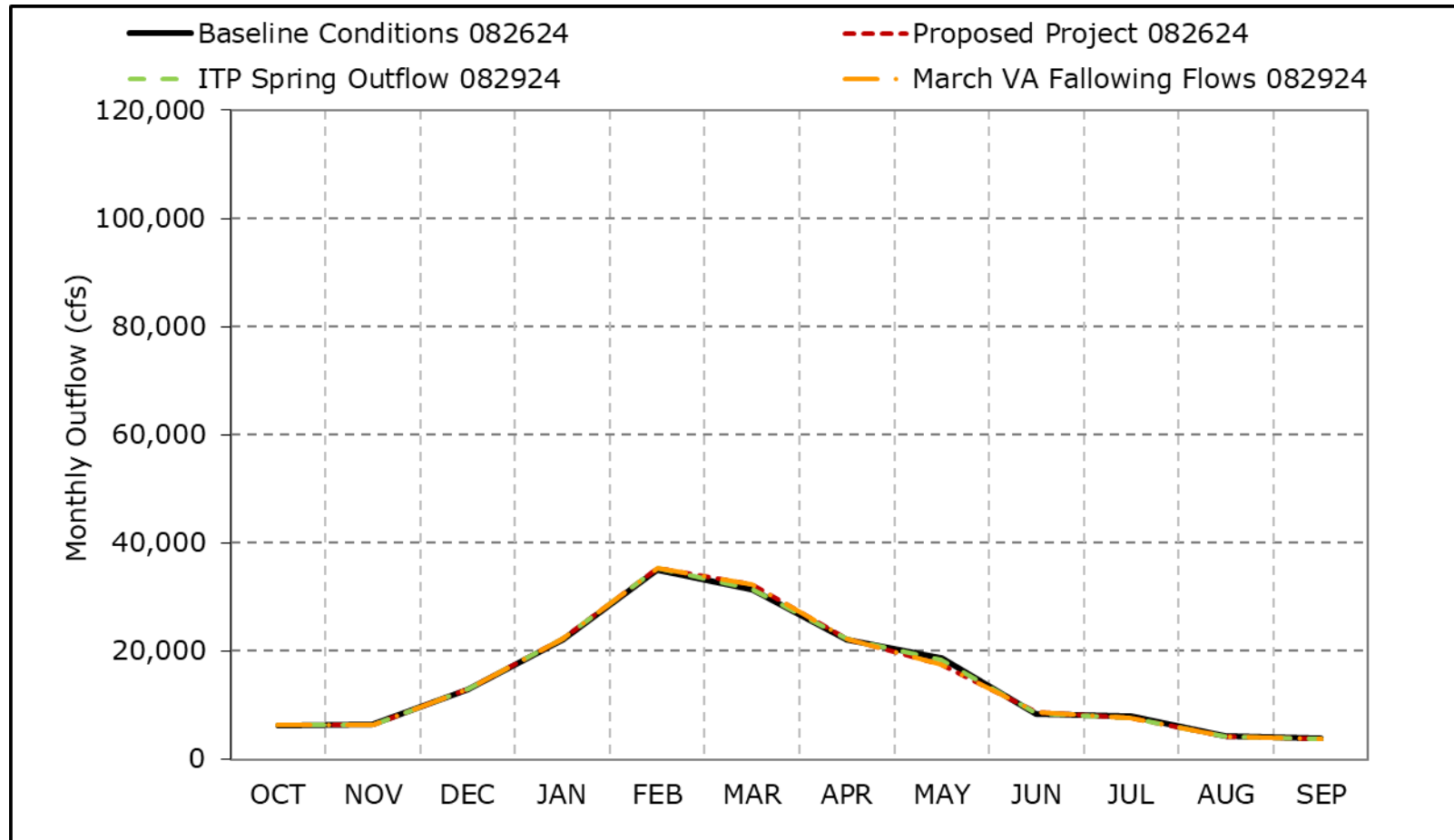


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*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 4K-3-10d. Delta Outflow, Below Normal Year Average Outflow

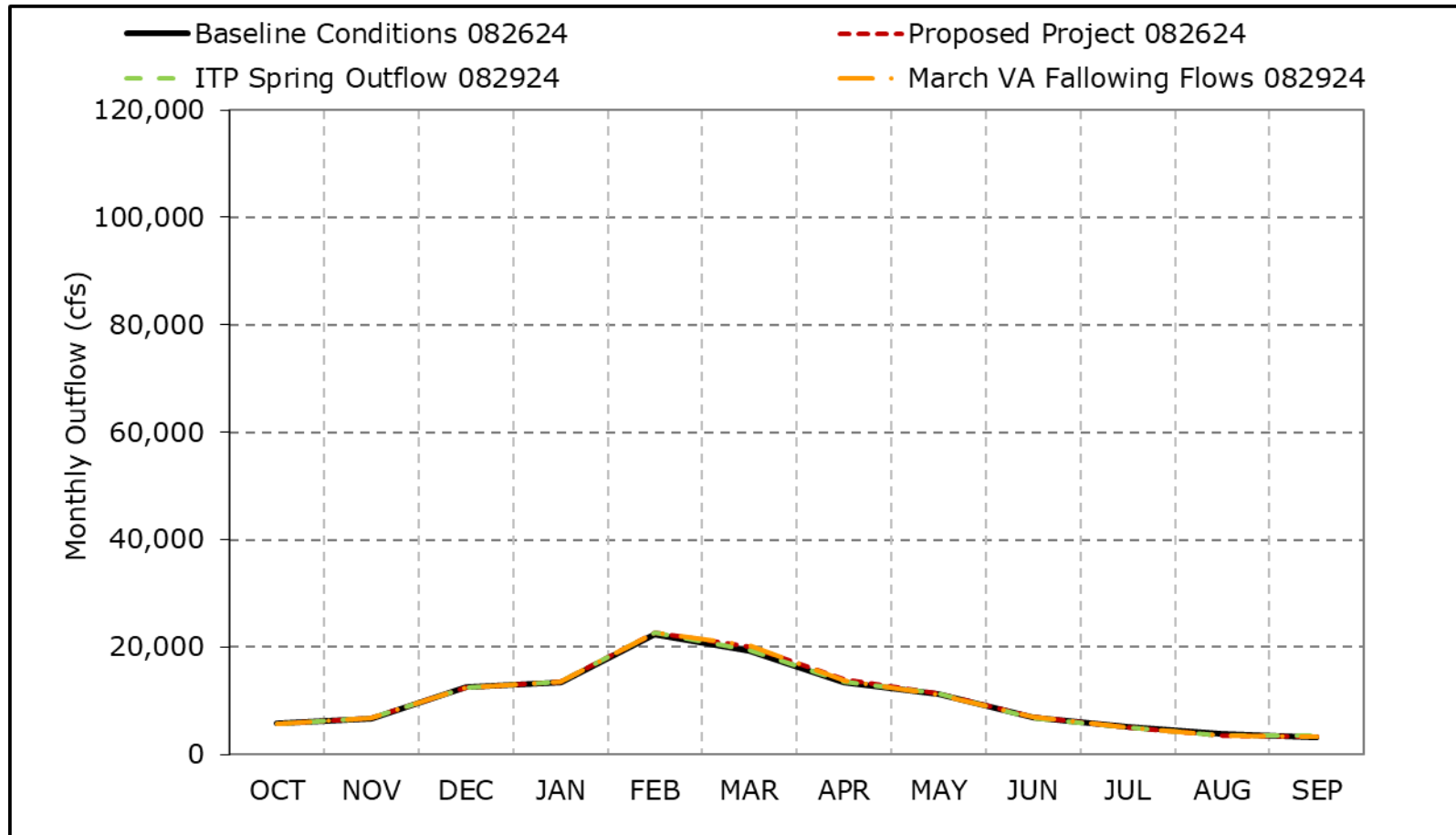


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*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 4K-3-10e. Delta Outflow, Dry Year Average Outflow

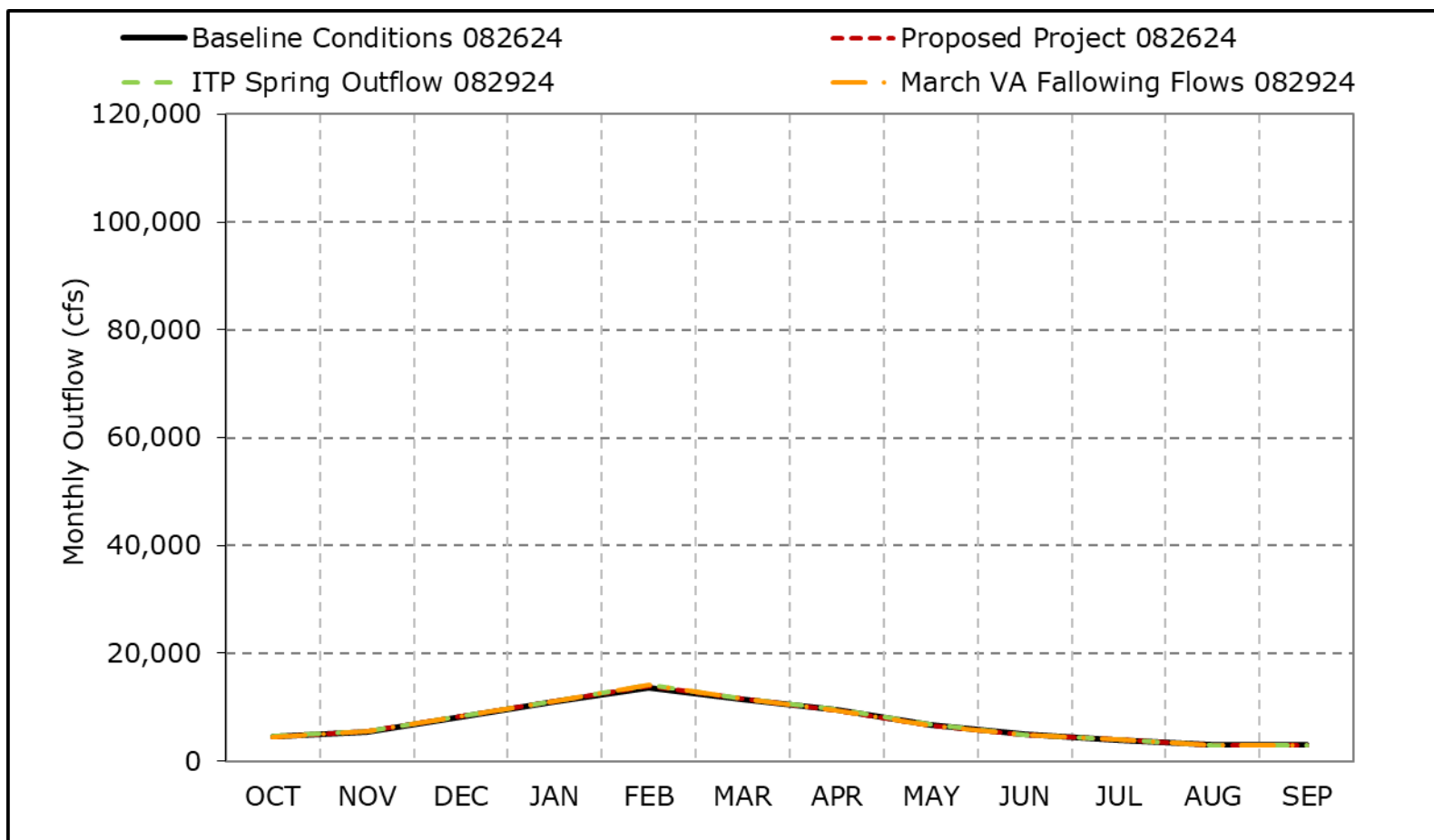


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*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 4K-3-10f. Delta Outflow, Critical Year Average Outflow

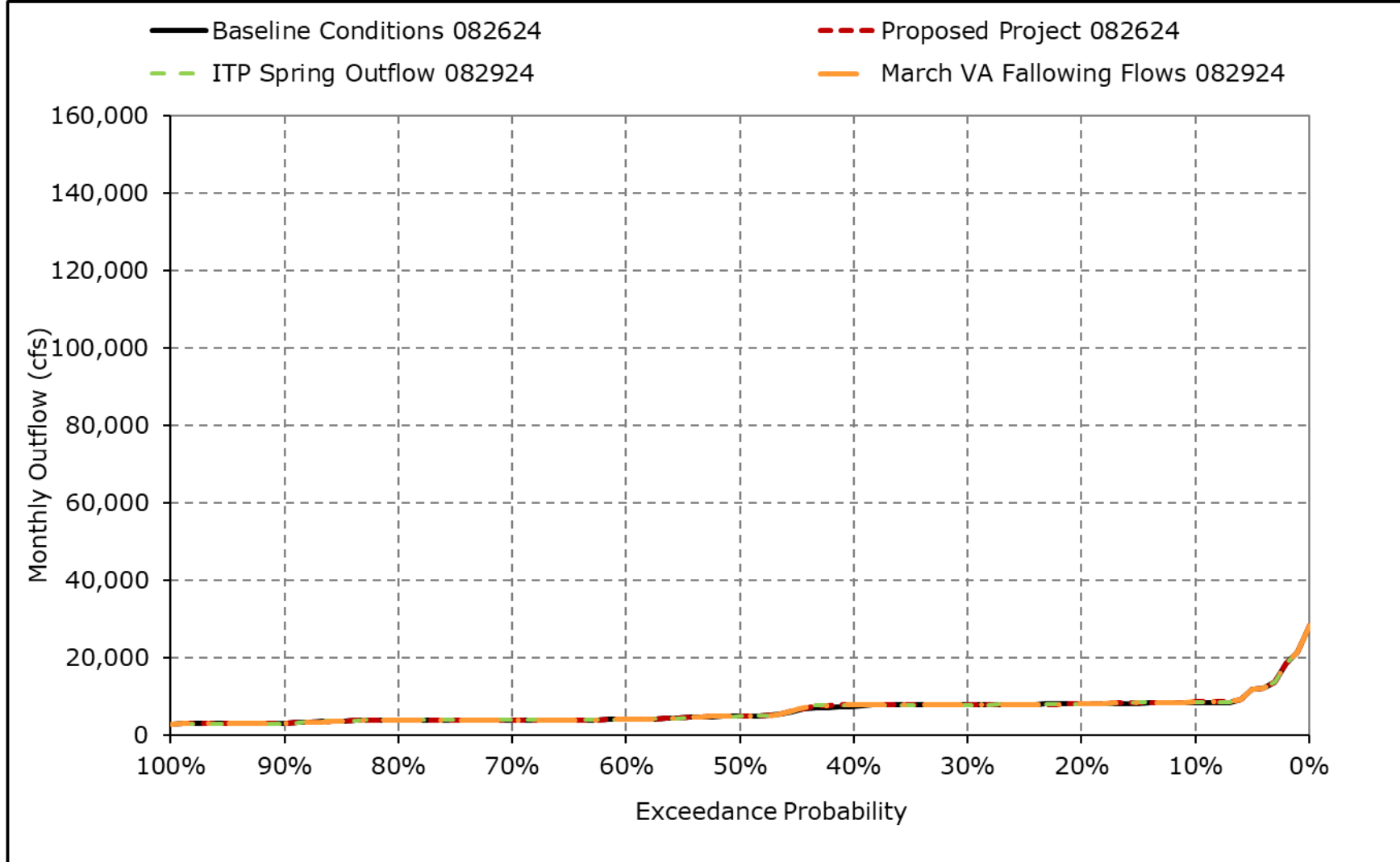


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

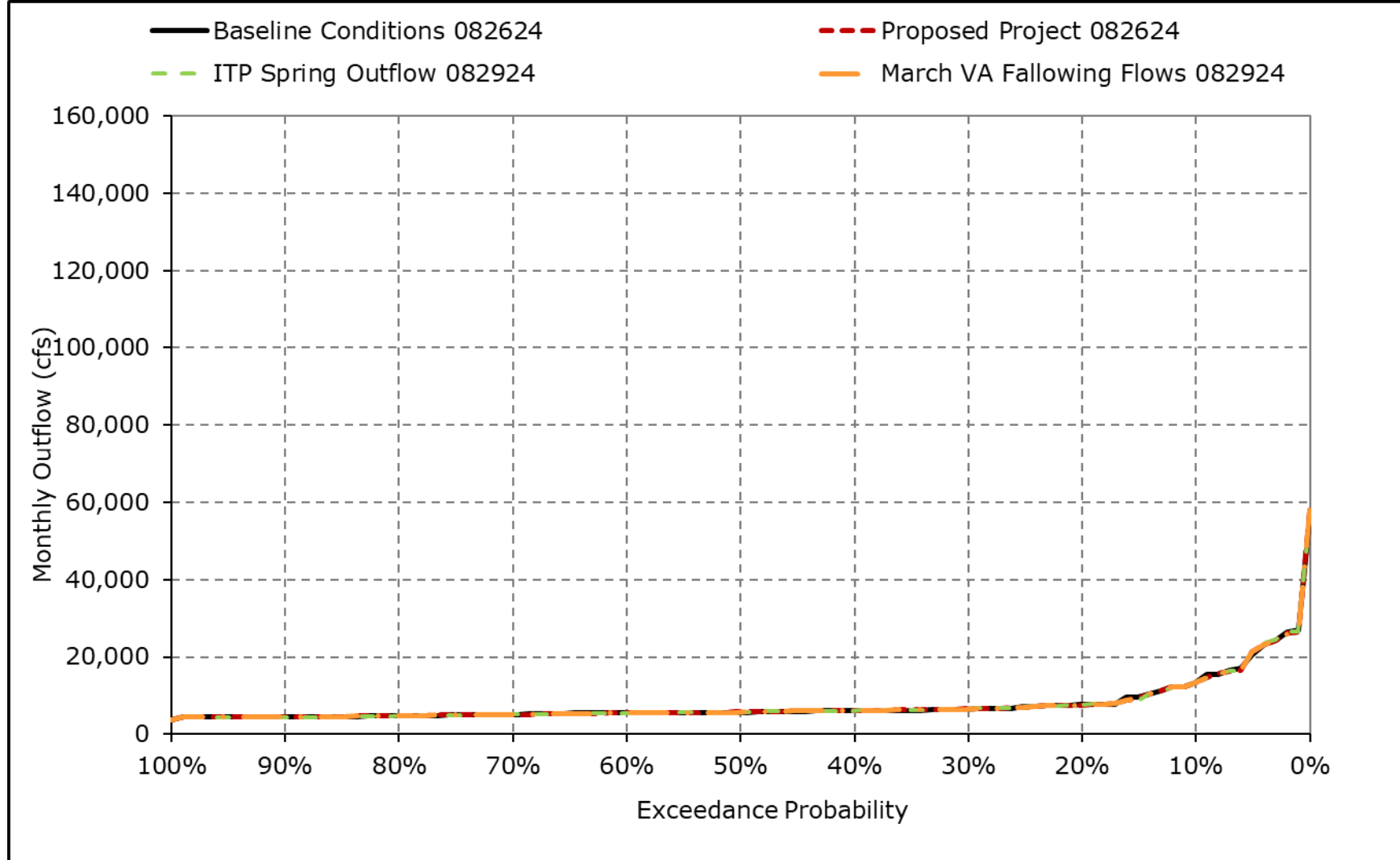
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



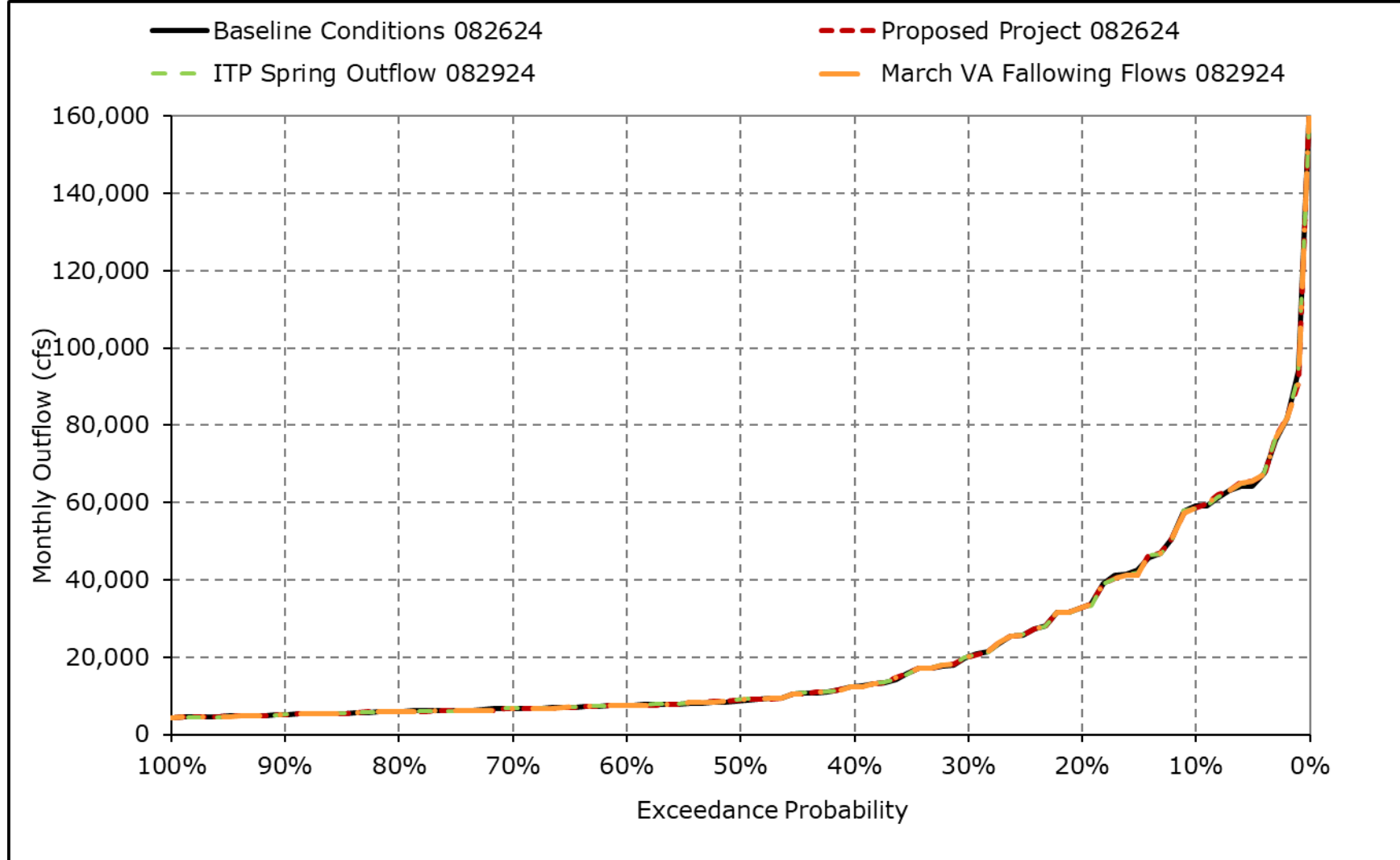
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



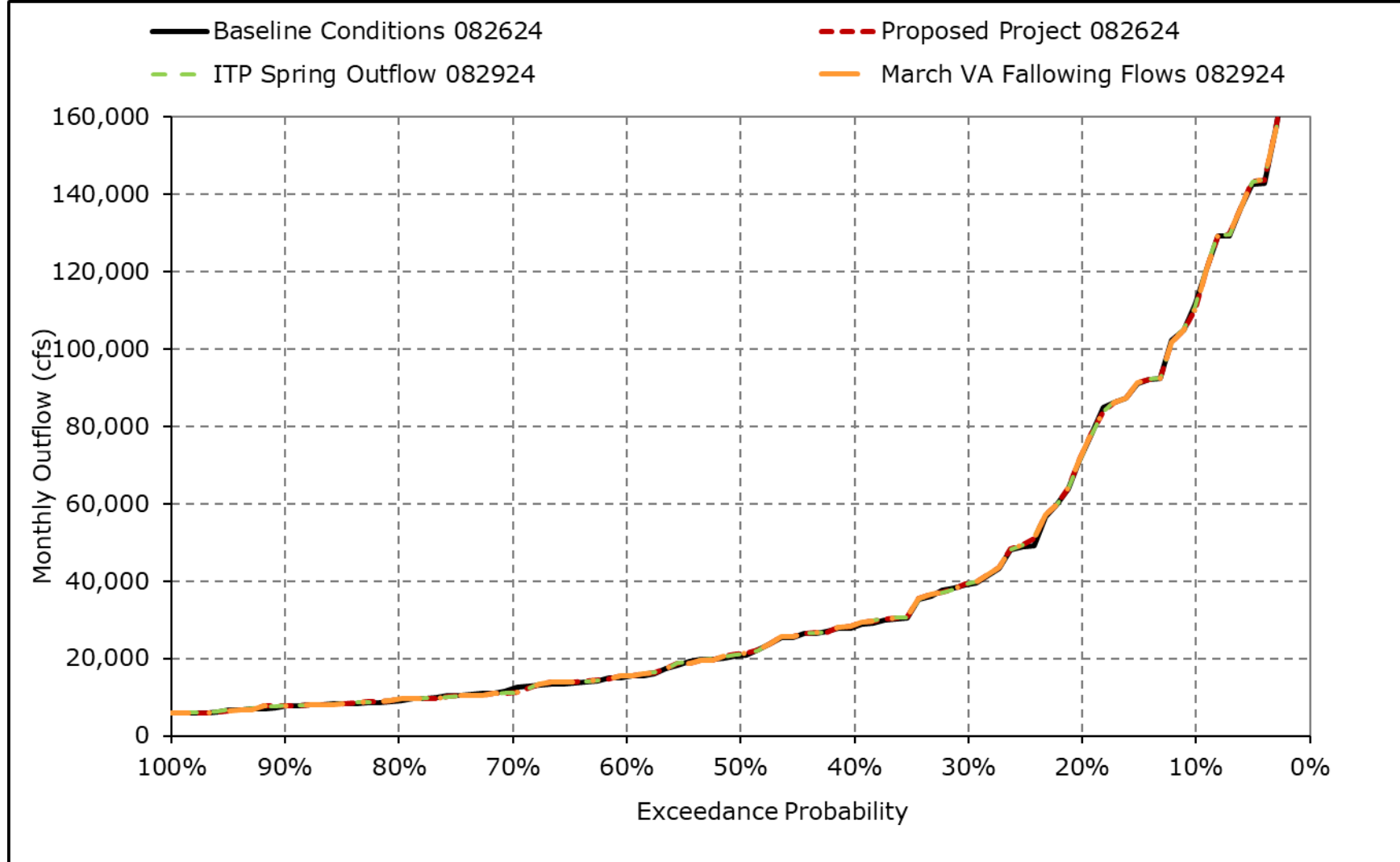
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



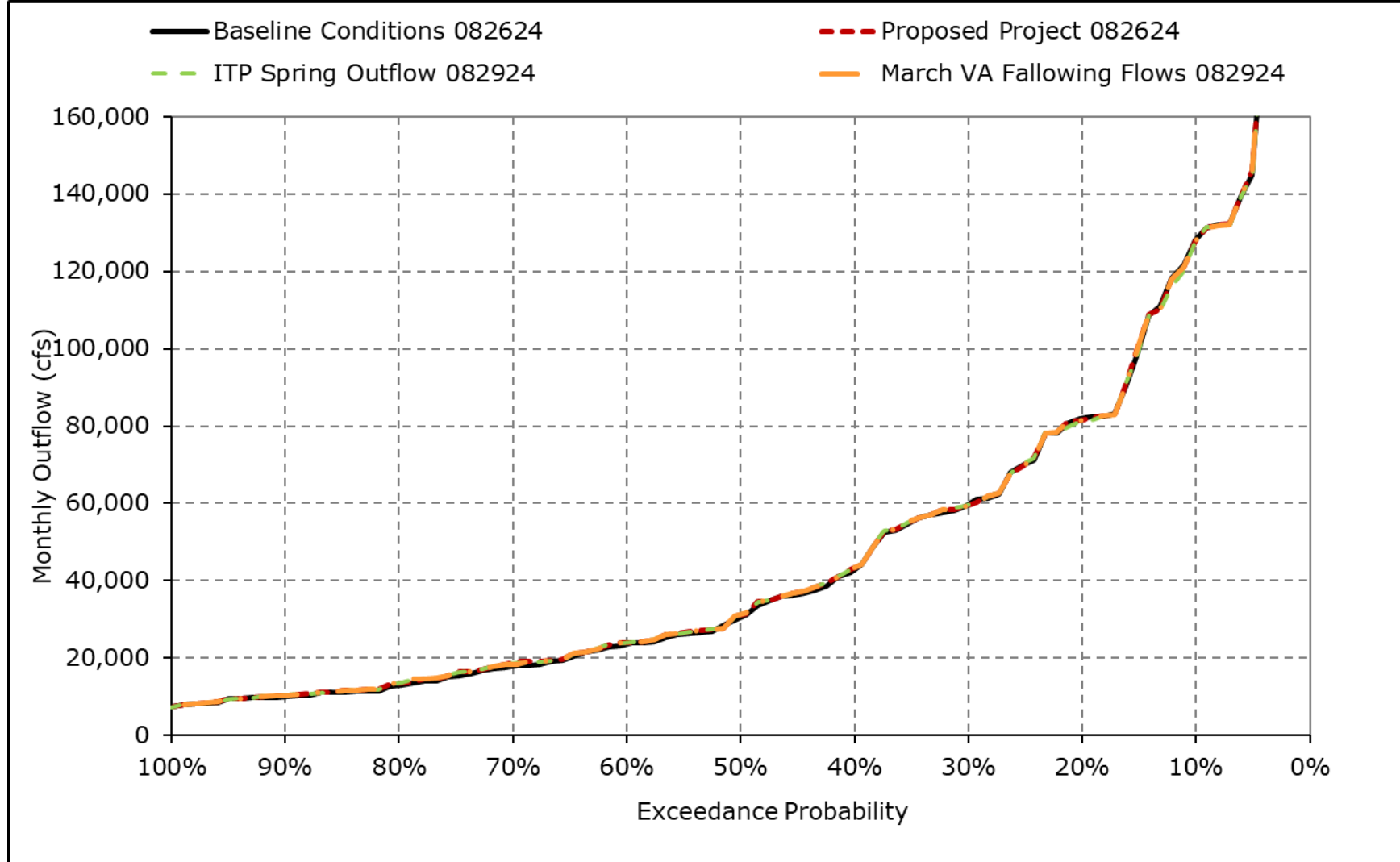
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



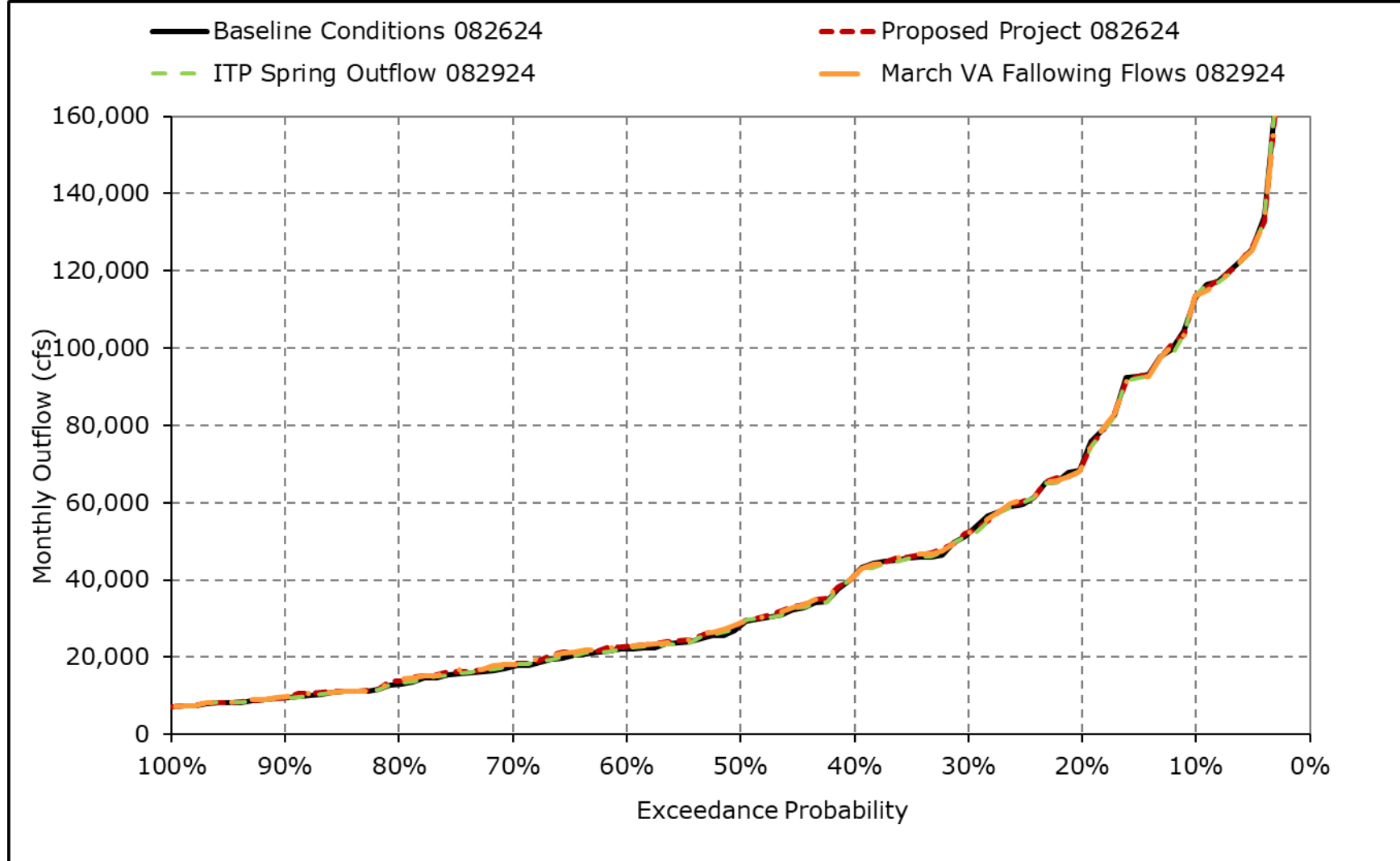
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



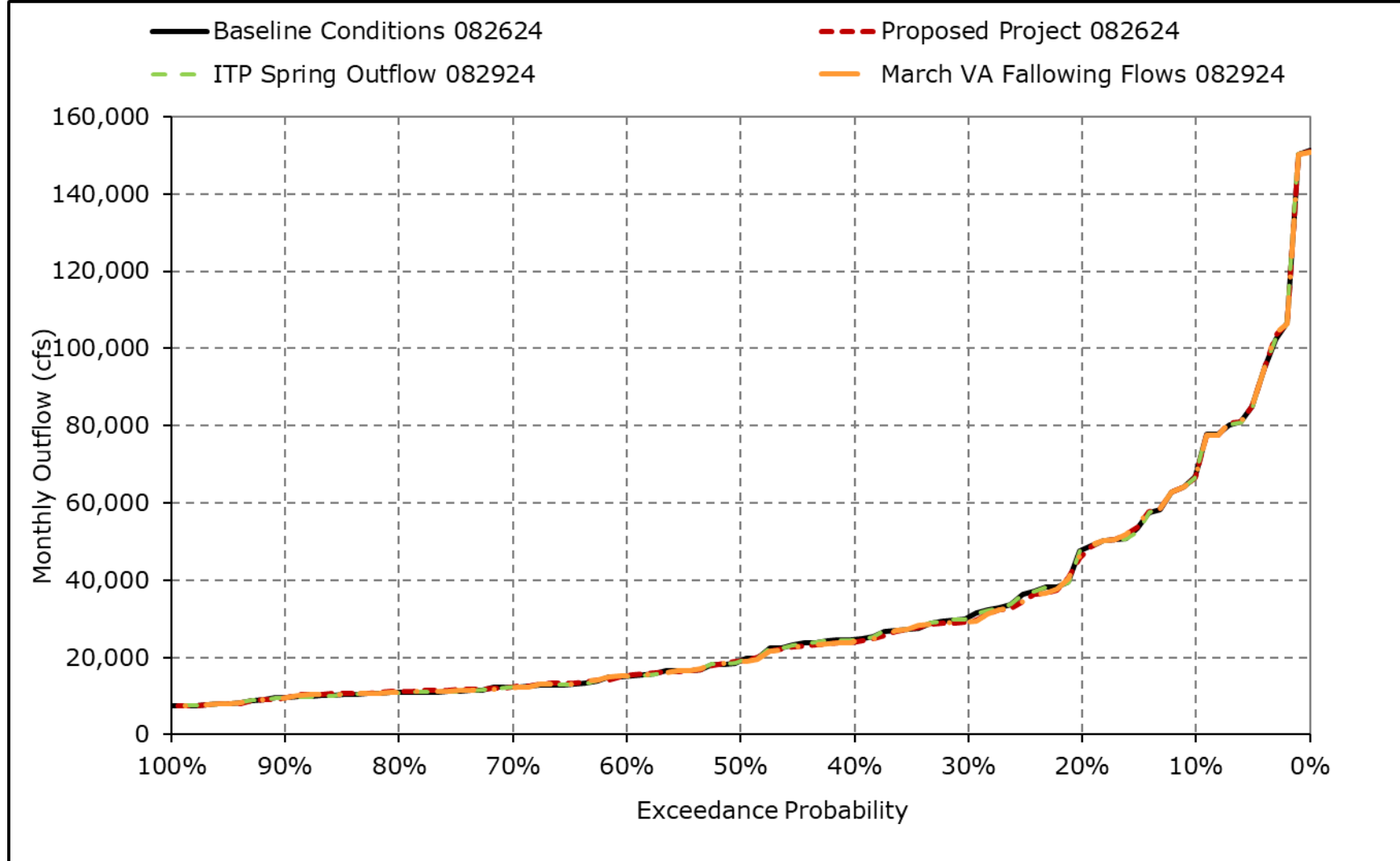
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4K-3-10I. Delta Outflow, March



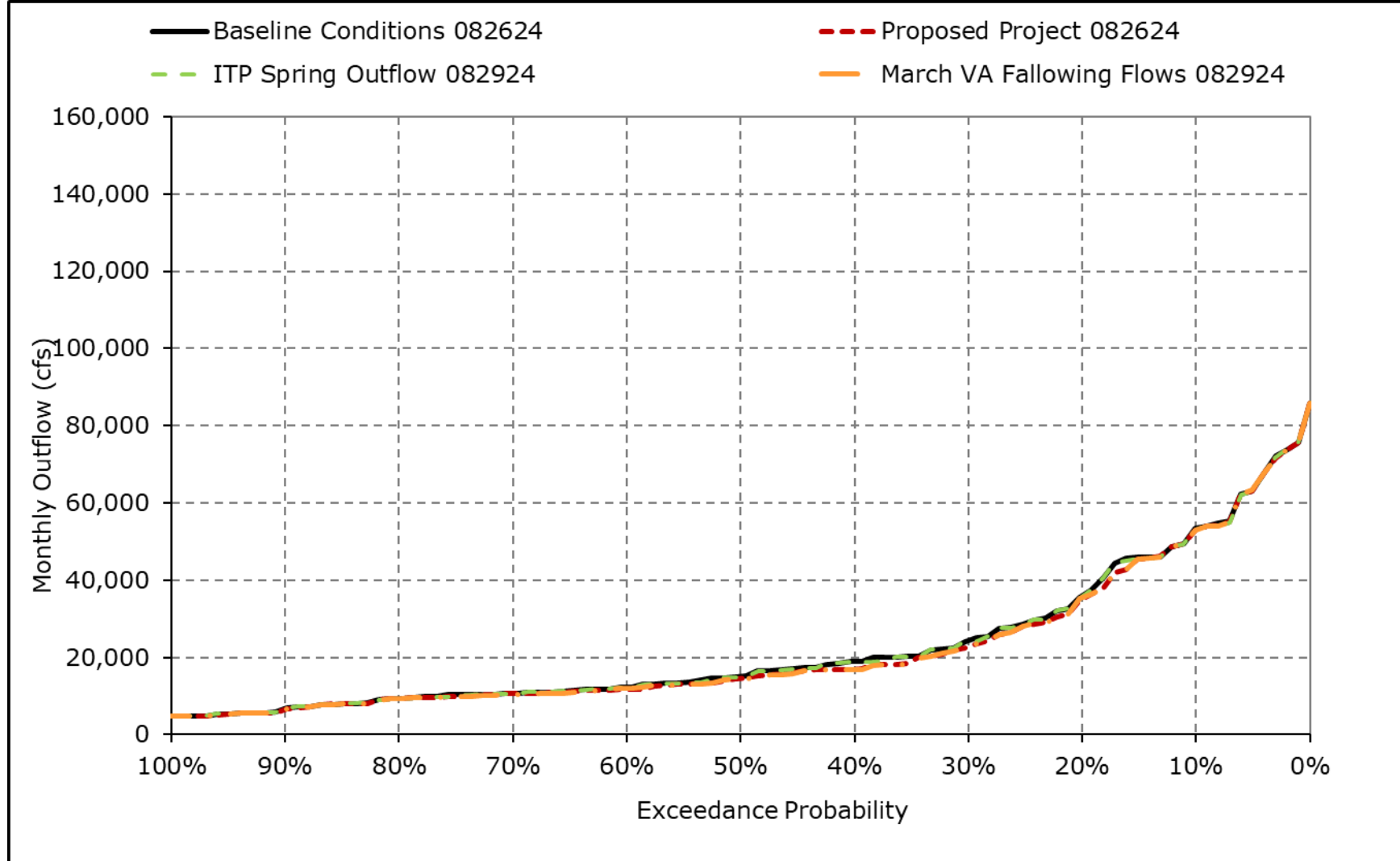
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



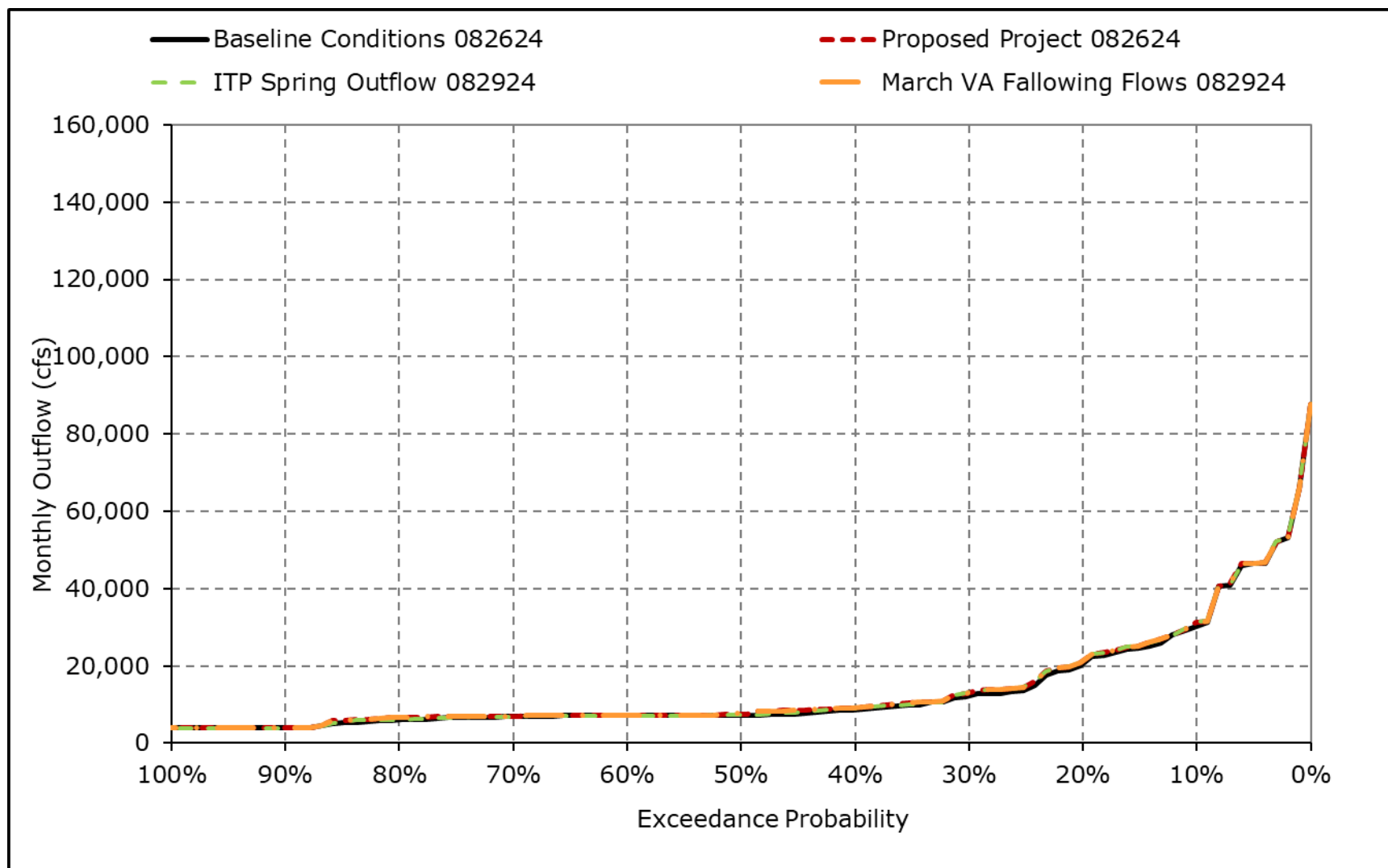
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



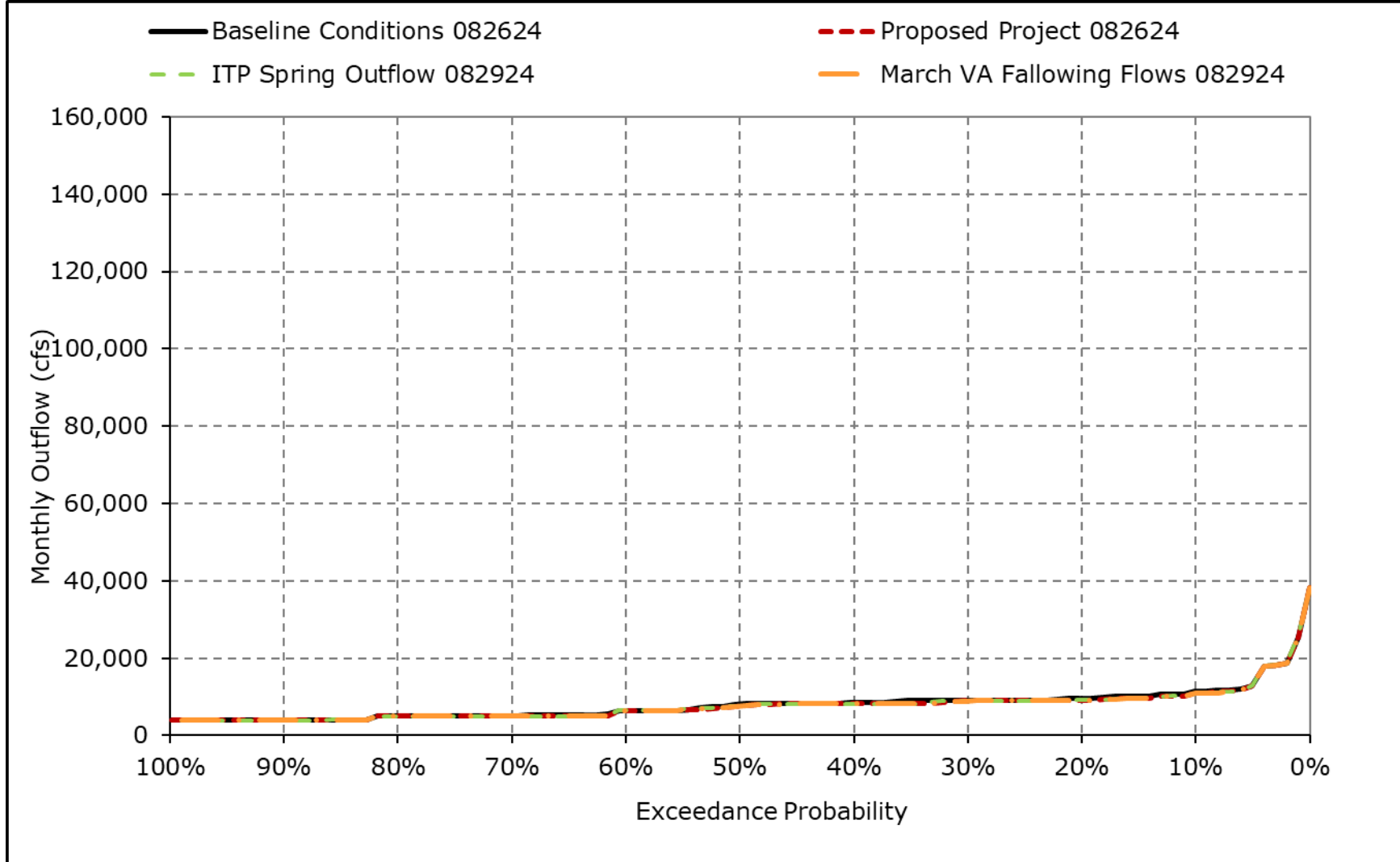
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



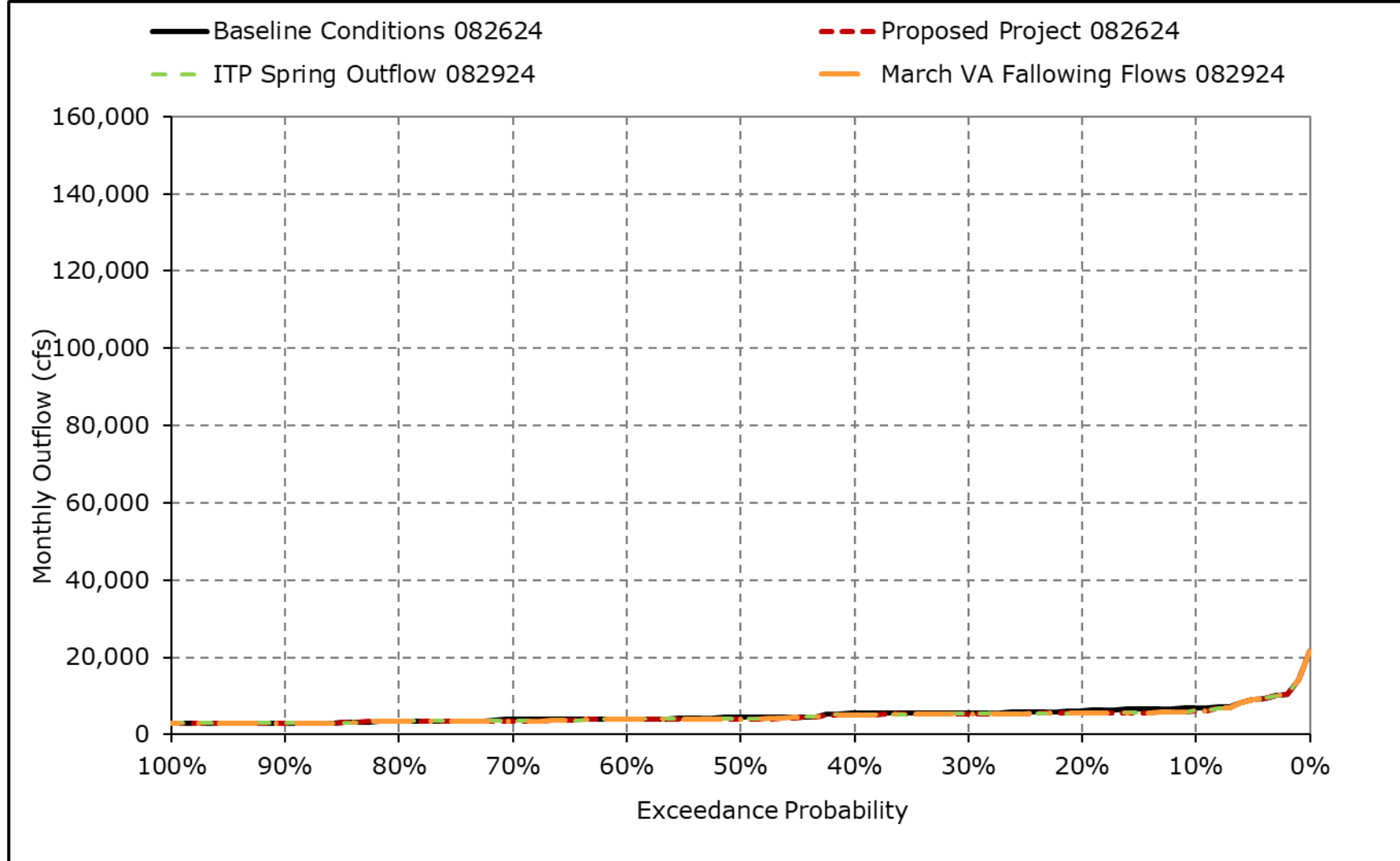
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



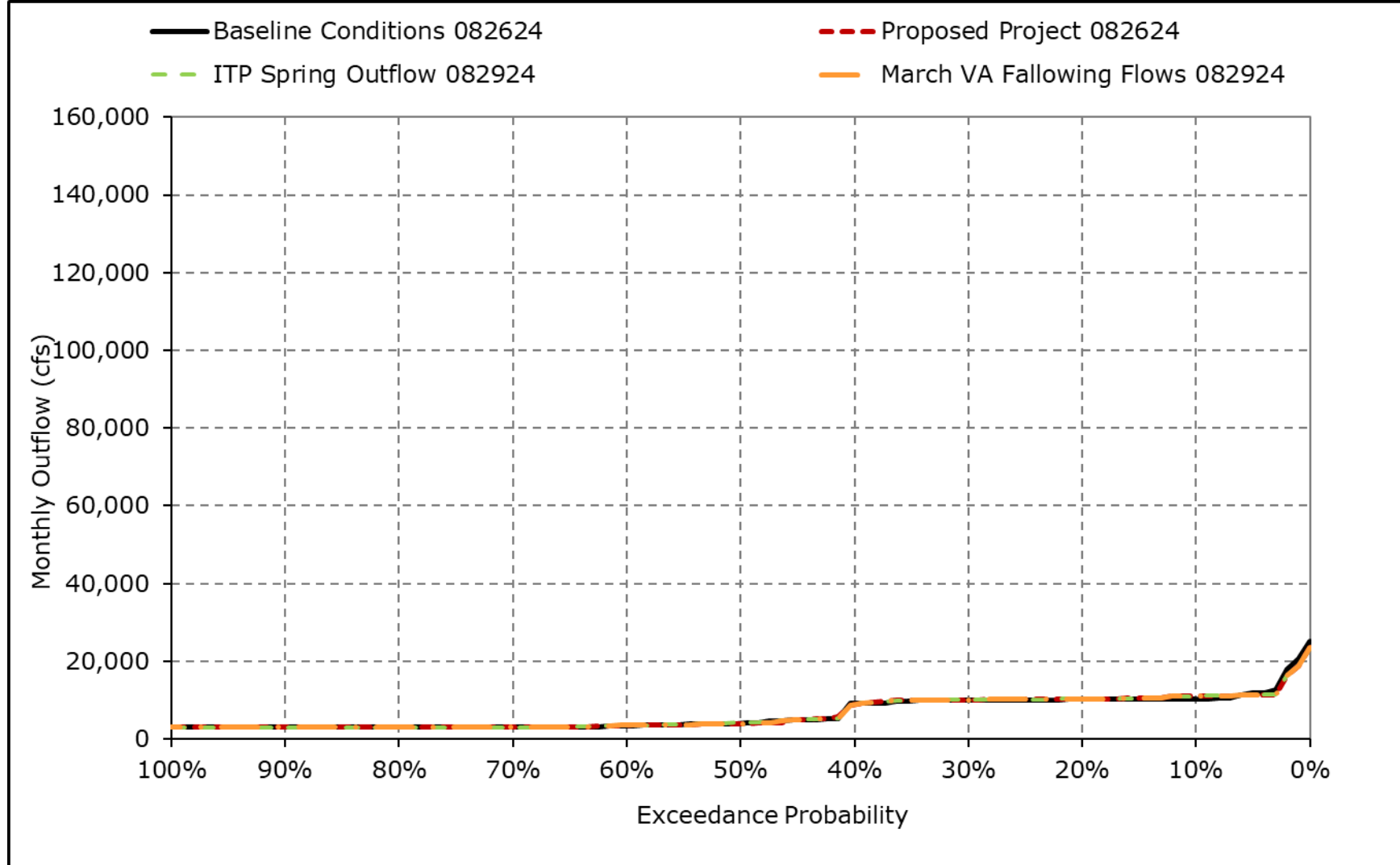
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4K-3-10q. Delta Outflow, August



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

Figure 4K-3-10r. Delta Outflow, September



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