Appendix 4H

Attachment 1b: Storage and Elevation Results (CalSim 3)

Appendix 4H

Attachment 1b: Storage and Elevation Results (CalSim 3)

The following results of the CalSim 3 model are included for reservoir storage and elevation conditions for the following scenarios:

- Baseline Conditions – 2022 Hydrology and 15 centimeters (cm) Sea Level Rise (082824)
- Proposed Project plus CVP Proposed Action, Sacramento and Feather River VAs – 2022 Hydrology and 15 cm Sea Level Rise (091324)
- Proposed Project plus Cumulative Projects – 2022 Hydrology and 15 cm Sea Level Rise (091324)

Title	Model Parameter	Table Numbers	Figure Numbers
San Luis Reservoir SWP Storage	S_SLUIS_SWP	4H-1-1-1a to 4H-1-1-2c	4H-1-1a to 4H-1-1l
San Luis Reservoir Storage	Post-Processed	4H-1-2-1a to 4H-1-2-2c	4H-1-2a to 4H-1-2l
San Luis Reservoir Elevation	Post-Processed	4H-1-3-1a to 4H-1-3-2c	4H-1-3a to 4H-1-3l

Report formats:

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

Table 4H-1-1-1a. San Luis SWP Storage, Baseline Conditions 2022 SLR15 082824, End of Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	547	662	811	996	1,067	1,067	1,059	997	781	718	697	576
20% Exceedance	457	589	692	805	977	1,064	960	784	628	620	592	502
30% Exceedance	385	470	557	673	819	963	851	729	562	548	536	431
40% Exceedance	352	393	493	584	713	806	749	651	500	500	458	376
50% Exceedance	297	354	416	528	667	695	654	557	447	442	414	301
60% Exceedance	239	257	363	469	571	639	590	477	380	367	357	256
70% Exceedance	174	197	270	408	487	541	498	415	319	329	296	197
80% Exceedance	91	137	181	304	402	456	409	347	238	250	220	144
90% Exceedance	42	59	75	218	339	425	370	257	137	218	145	68
Full Simulation Period Average[a]	306	363	444	557	670	730	679	578	452	460	422	327
Wet Water Years (29%)	364	477	570	703	833	888	887	788	619	638	641	500
Above Normal Water Years (12%)	338	396	492	614	751	815	697	544	367	427	497	340
Below Normal Water Years (18%)	337	384	472	543	628	707	606	456	303	398	378	281
Dry Water Years (22%)	216	259	300	413	508	582	527	440	371	353	230	184
Critical Water Years (19%)	271	267	359	479	598	628	596	555	487	392	305	265

Table 4H-1-1-1b. San Luis SWP Storage, Proposed Project plus CVP PA Sac Feather VAs 2022 SLR15 091324, End of Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	624	737	866	1,053	1,067	1,067	1,067	1,067	840	785	787	658
20% Exceedance	491	612	711	848	989	1,057	1,017	935	714	717	701	572
30% Exceedance	439	537	640	670	815	919	857	799	631	620	609	471
40% Exceedance	378	447	544	582	716	794	717	689	552	539	496	404
50% Exceedance	320	383	457	537	640	681	643	577	463	451	435	373
60% Exceedance	266	271	374	488	579	607	569	492	400	386	384	267
70% Exceedance	224	207	291	442	504	529	526	449	345	319	287	222
80% Exceedance	102	118	170	282	401	452	414	355	258	266	227	164
90% Exceedance	42	53	95	222	328	374	323	236	120	215	144	84
Full Simulation Period Average[a]	338	388	468	569	666	711	673	619	484	489	454	371
Wet Water Years (29%)	396	498	588	705	823	884	901	878	692	705	711	593
Above Normal Water Years (12%)	369	430	529	641	752	787	701	609	405	467	530	409
Below Normal Water Years (18%)	390	427	512	572	638	683	599	500	344	439	417	316
Dry Water Years (22%)	254	290	331	432	515	557	496	436	363	338	230	188
Critical Water Years (19%)	276	269	367	471	574	604	581	554	486	394	308	270

Table 4H-1-1-1c. San Luis SWP Storage, Proposed Project plus CVP PA Sac Feather VAs 2022 SLR15 091324 minus Baseline Conditions 2022 SLR15 082824, End of Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	78	75	55	57	0	0	8	70	59	66	90	82
20% Exceedance	34	23	19	44	12	-6	57	151	86	98	109	70
30% Exceedance	54	67	83	-4	-4	-44	6	70	70	72	73	40
40% Exceedance	26	54	52	-1	3	-12	-32	38	52	39	38	28
50% Exceedance	23	29	41	9	-27	-14	-11	21	16	8	22	72
60% Exceedance	27	15	11	19	8	-32	-21	15	20	19	27	11
70% Exceedance	51	10	22	34	17	-12	28	34	26	-10	-9	25
80% Exceedance	11	-18	-11	-23	0	-4	5	8	21	16	7	20
90% Exceedance	0	-5	20	3	-11	-51	-47	-21	-17	-4	-1	16
Full Simulation Period Average[a]	32	25	25	12	-4	-19	-6	41	31	29	32	43
Wet Water Years (29%)	32	21	18	2	-10	-4	14	90	73	68	70	93
Above Normal Water Years (12%)	31	34	36	26	1	-28	4	65	38	40	33	69
Below Normal Water Years (18%)	53	44	40	29	10	-24	-6	43	41	42	39	35
Dry Water Years (22%)	38	31	31	19	7	-25	-30	-4	-8	-15	0	3
Critical Water Years (19%)	5	2	7	-7	-24	-24	-15	-1	-1	2	3	5

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

* All scenarios are simulated at 2022 Median climate condition and 15 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 4H-1-1-2a. San Luis SWP Storage, Baseline Conditions 2022 SLR15 082824, End of Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	547	662	811	996	1,067	1,067	1,059	997	781	718	697	576
20% Exceedance	457	589	692	805	977	1,064	960	784	628	620	592	502
30% Exceedance	385	470	557	673	819	963	851	729	562	548	536	431
40% Exceedance	352	393	493	584	713	806	749	651	500	500	458	376
50% Exceedance	297	354	416	528	667	695	654	557	447	442	414	301
60% Exceedance	239	257	363	469	571	639	590	477	380	367	357	256
70% Exceedance	174	197	270	408	487	541	498	415	319	329	296	197
80% Exceedance	91	137	181	304	402	456	409	347	238	250	220	144
90% Exceedance	42	59	75	218	339	425	370	257	137	218	145	68
Full Simulation Period Average[a]	306	363	444	557	670	730	679	578	452	460	422	327
Wet Water Years (29%)	364	477	570	703	833	888	887	788	619	638	641	500
Above Normal Water Years (12%)	338	396	492	614	751	815	697	544	367	427	497	340
Below Normal Water Years (18%)	337	384	472	543	628	707	606	456	303	398	378	281
Dry Water Years (22%)	216	259	300	413	508	582	527	440	371	353	230	184
Critical Water Years (19%)	271	267	359	479	598	628	596	555	487	392	305	265

Table 4H-1-1-2b. San Luis SWP Storage, Proposed Project plus Cumulative 2022 SLR15 091324, End of Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	627	753	870	1,047	1,067	1,067	1,067	1,067	841	785	788	658
20% Exceedance	494	614	712	859	983	1,060	1,007	936	708	721	704	572
30% Exceedance	442	543	637	671	804	907	858	796	638	613	598	467
40% Exceedance	384	448	546	572	723	785	725	702	555	540	505	408
50% Exceedance	319	384	457	539	638	682	633	566	464	450	439	370
60% Exceedance	266	268	371	491	584	614	569	489	387	388	384	280
70% Exceedance	224	216	301	444	505	530	523	455	341	332	294	221
80% Exceedance	98	118	167	281	407	448	411	360	257	267	237	167
90% Exceedance	42	72	88	223	328	375	324	226	103	222	150	81
Full Simulation Period Average[a]	339	390	470	570	667	711	673	619	484	490	456	371
Wet Water Years (29%)	396	501	589	706	823	883	900	877	691	705	711	593
Above Normal Water Years (12%)	371	432	530	642	754	788	702	609	404	467	530	409
Below Normal Water Years (18%)	392	429	512	572	636	682	599	499	341	436	417	314
Dry Water Years (22%)	258	293	334	436	518	559	498	437	364	344	237	191
Critical Water Years (19%)	278	270	367	470	574	605	582	555	489	396	309	272

Table 4H-1-1-2c. San Luis SWP Storage, Proposed Project plus Cumulative 2022 SLR15 091324 minus Baseline Conditions 2022 SLR15 082824, End of Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	81	91	59	51	0	0	8	70	60	66	91	82
20% Exceedance	37	25	19	54	5	-4	47	152	80	102	111	70
30% Exceedance	58	73	80	-2	-15	-55	7	67	77	65	62	36
40% Exceedance	32	55	53	-11	10	-21	-24	51	55	40	46	32
50% Exceedance	22	29	41	12	-29	-14	-21	9	18	8	25	69
60% Exceedance	26	11	8	22	13	-26	-21	12	7	21	27	24
70% Exceedance	51	18	32	36	18	-10	25	40	22	3	-2	24
80% Exceedance	7	-19	-14	-24	6	-8	2	14	19	17	17	22
90% Exceedance	0	13	13	4	-11	-51	-45	-31	-34	4	5	14
Full Simulation Period Average[a]	34	27	26	13	-3	-19	-6	41	31	30	33	44
Wet Water Years (29%)	33	24	19	3	-10	-5	13	90	73	67	70	93
Above Normal Water Years (12%)	32	36	38	28	3	-26	5	65	37	40	33	69
Below Normal Water Years (18%)	55	46	41	29	9	-25	-7	43	38	38	39	33
Dry Water Years (22%)	42	34	34	23	10	-23	-28	-3	-7	-9	6	7
Critical Water Years (19%)	6	3	7	-8	-24	-23	-14	0	2	4	4	7

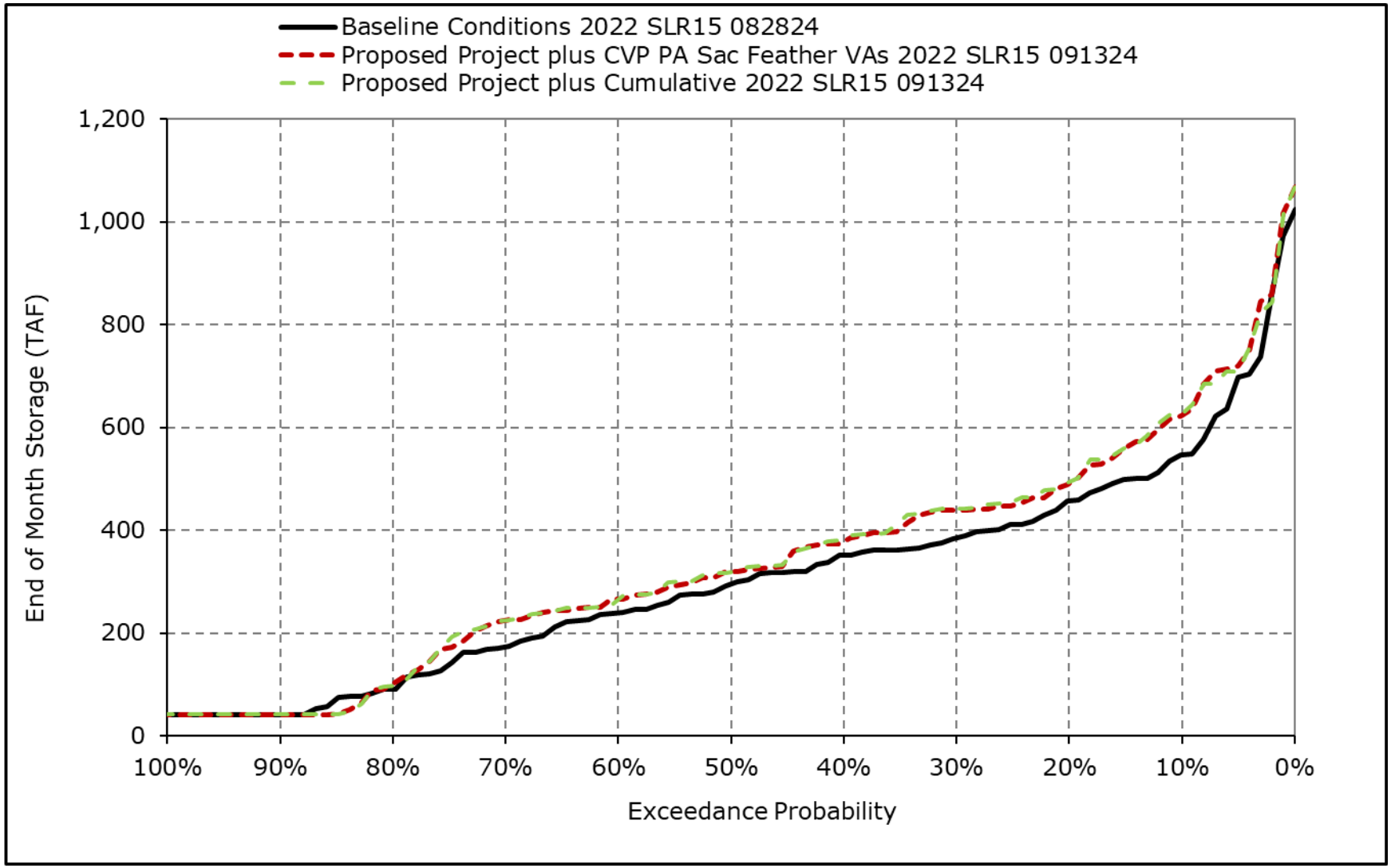
[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

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

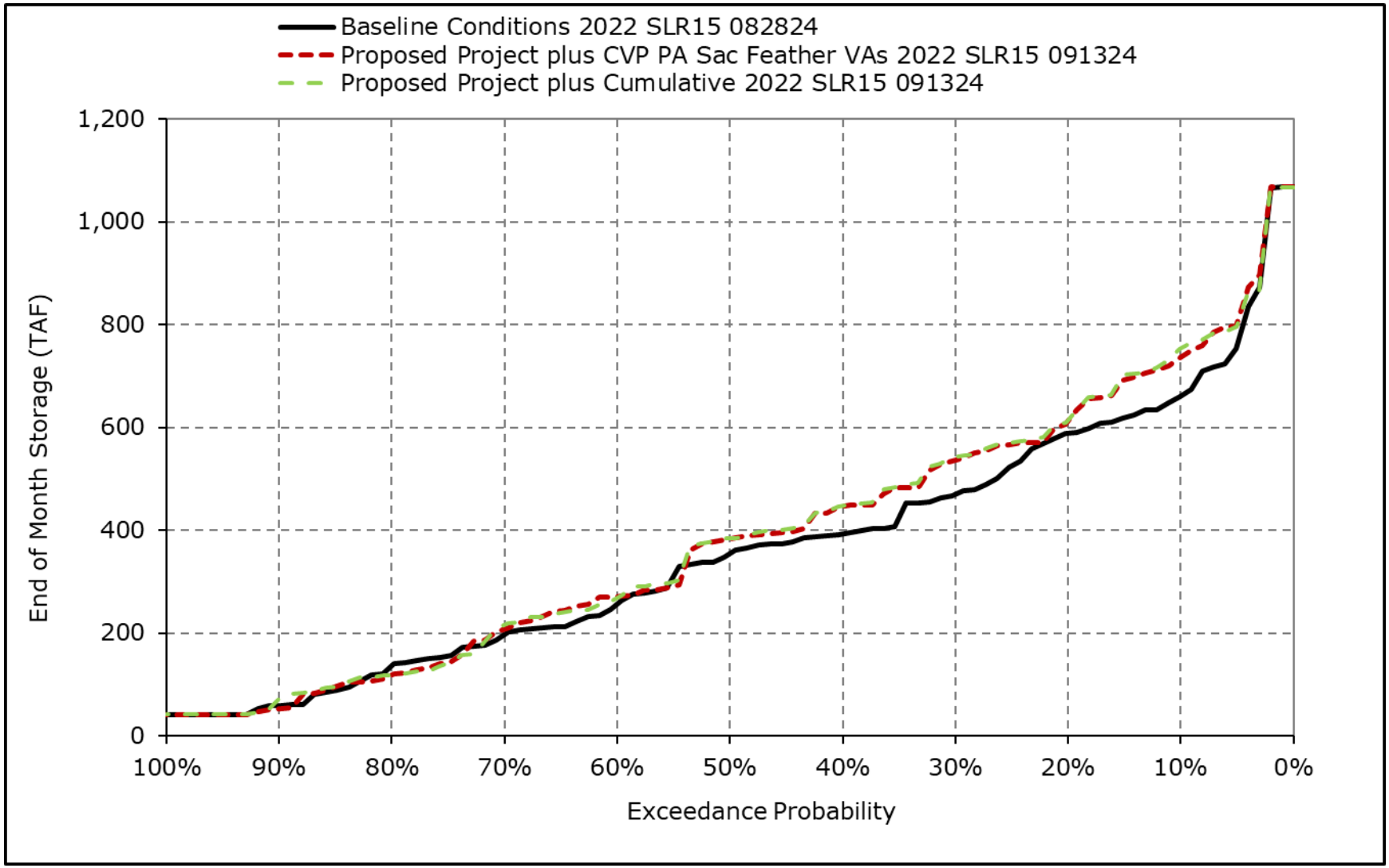
* Water Year Types results are displayed with water year - year type sorting.

Figure 4H-1-1a. San Luis SWP Storage, October



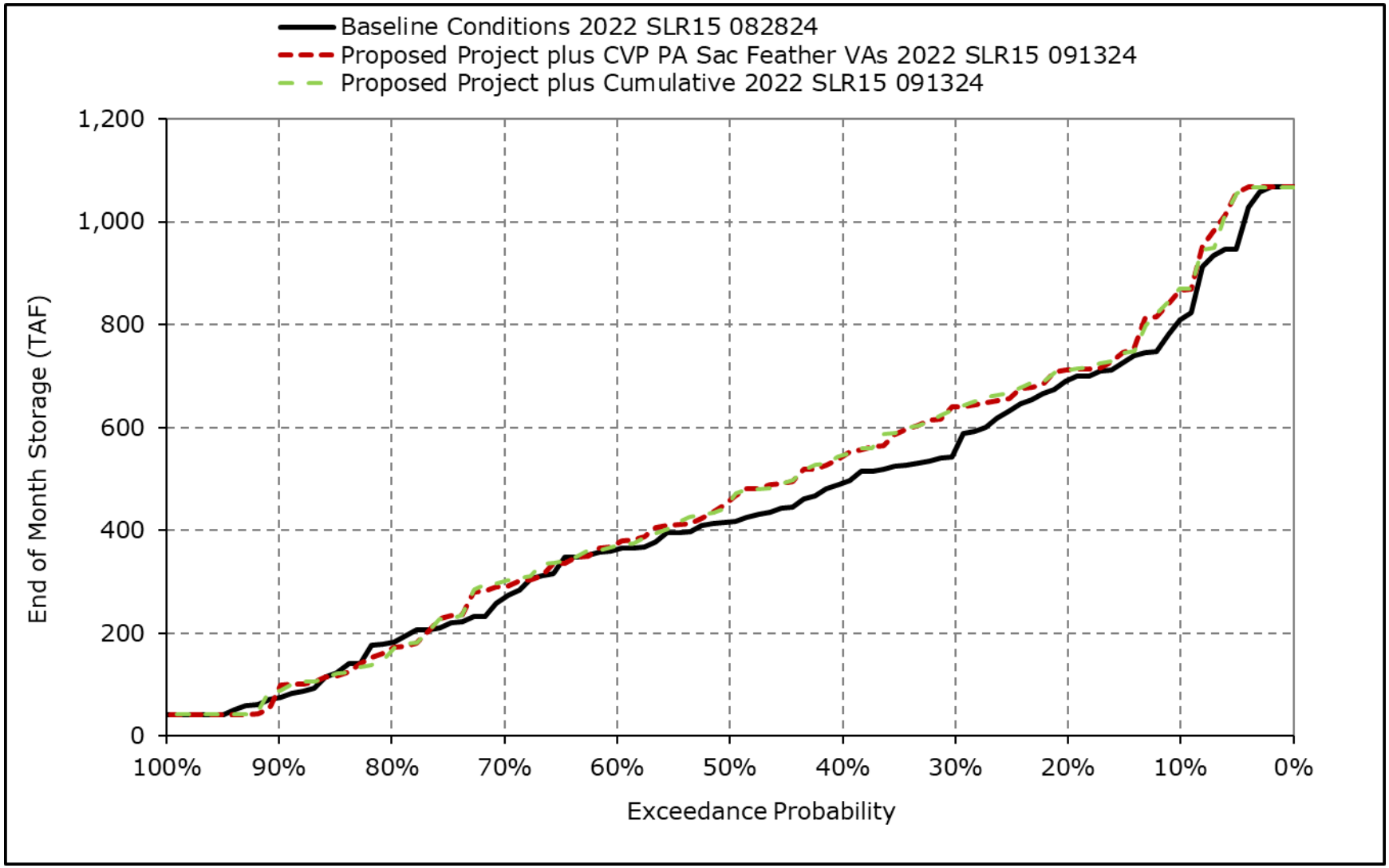
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure 4H-1-1b. San Luis SWP Storage, November



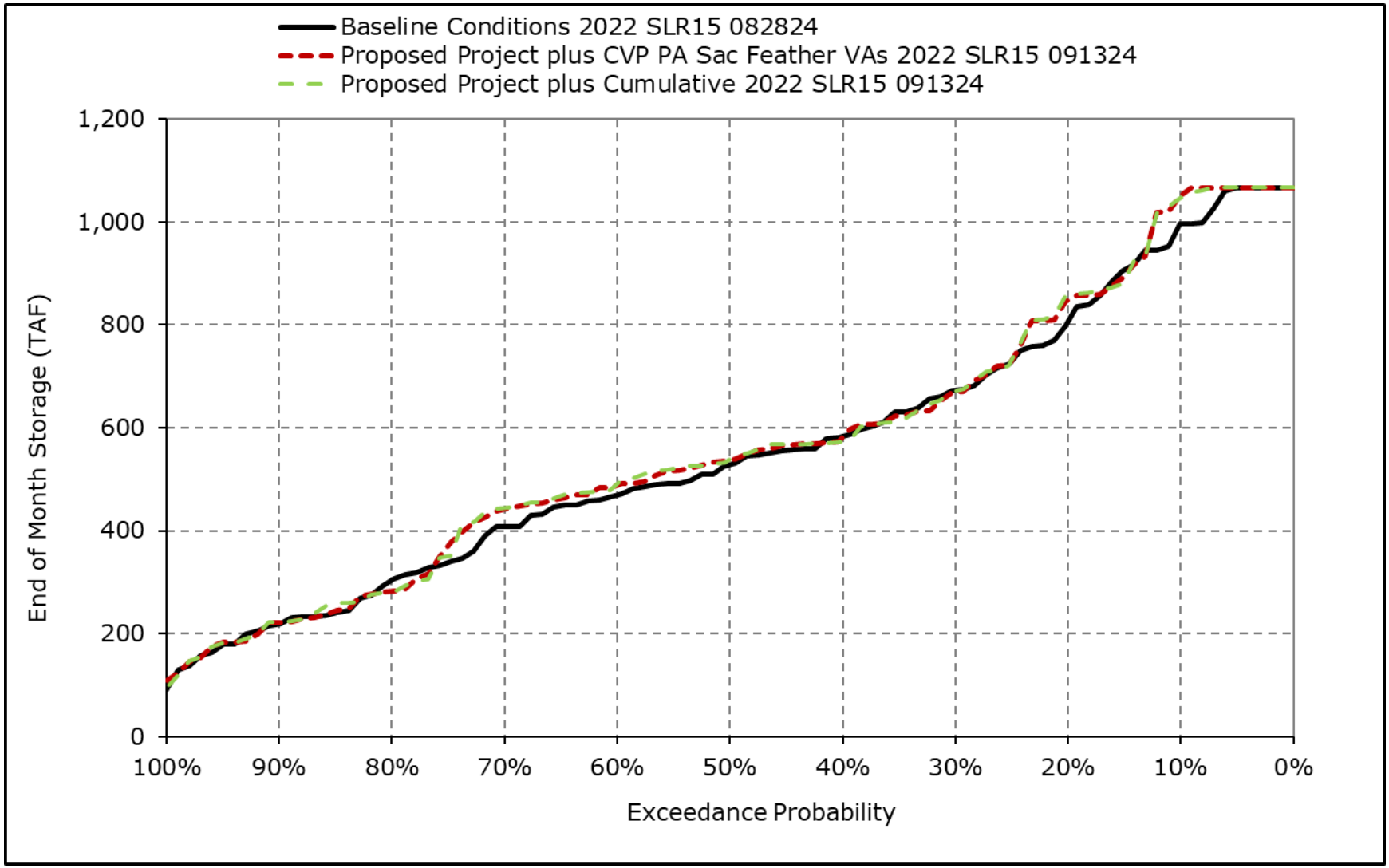
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure 4H-1-1c. San Luis SWP Storage, December



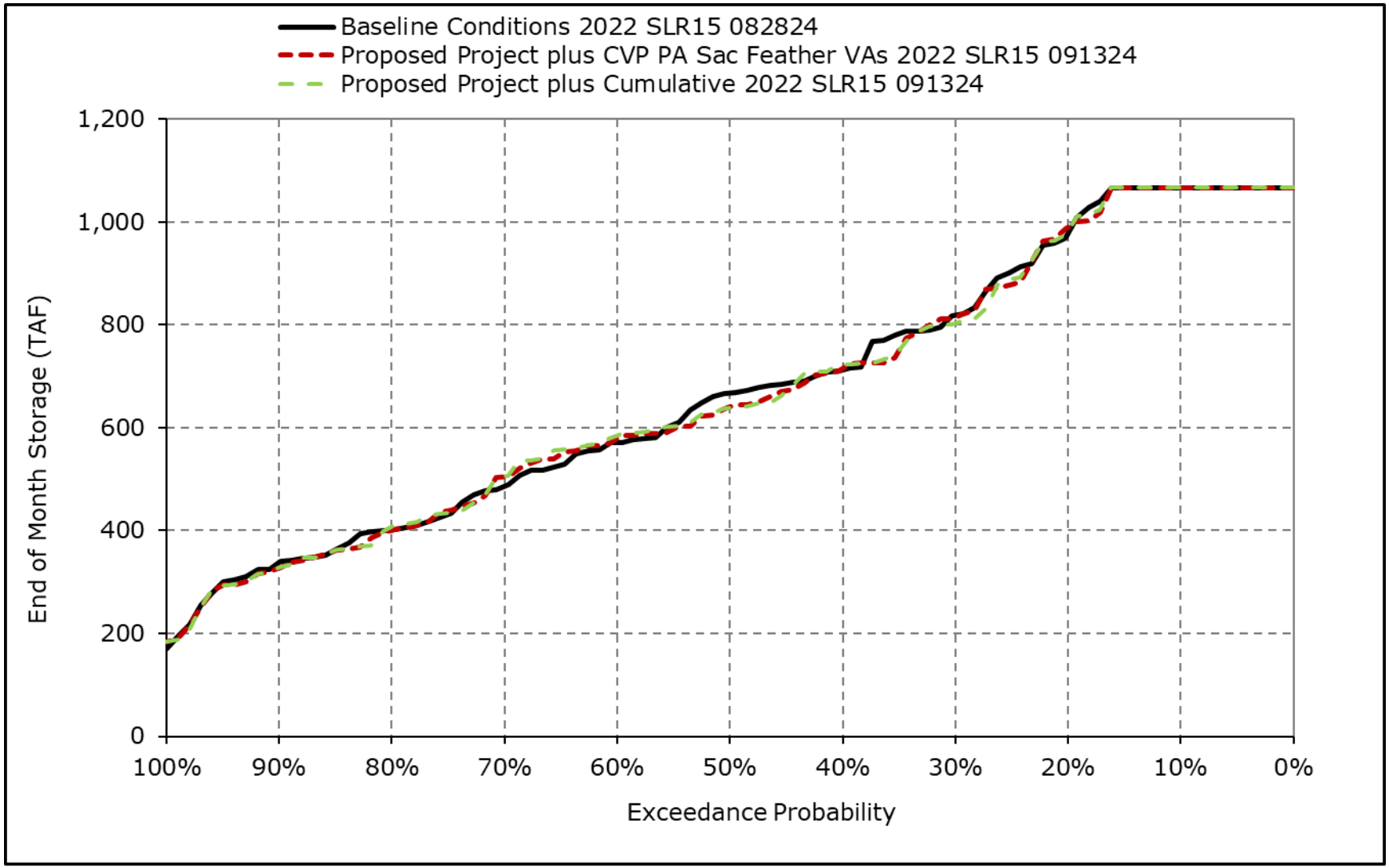
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure 4H-1-1d. San Luis SWP Storage, January



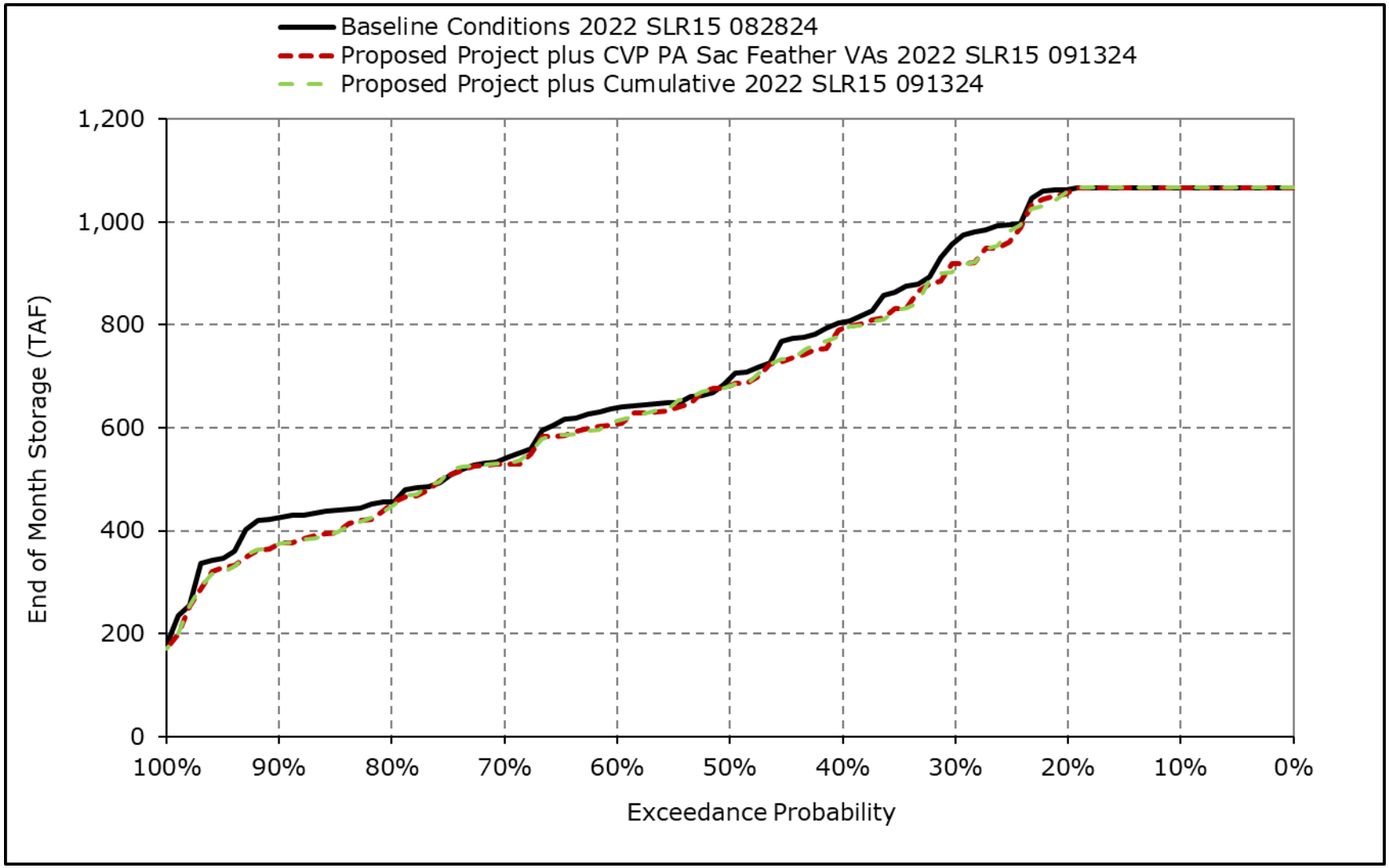
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure 4H-1-1e. San Luis SWP Storage, February



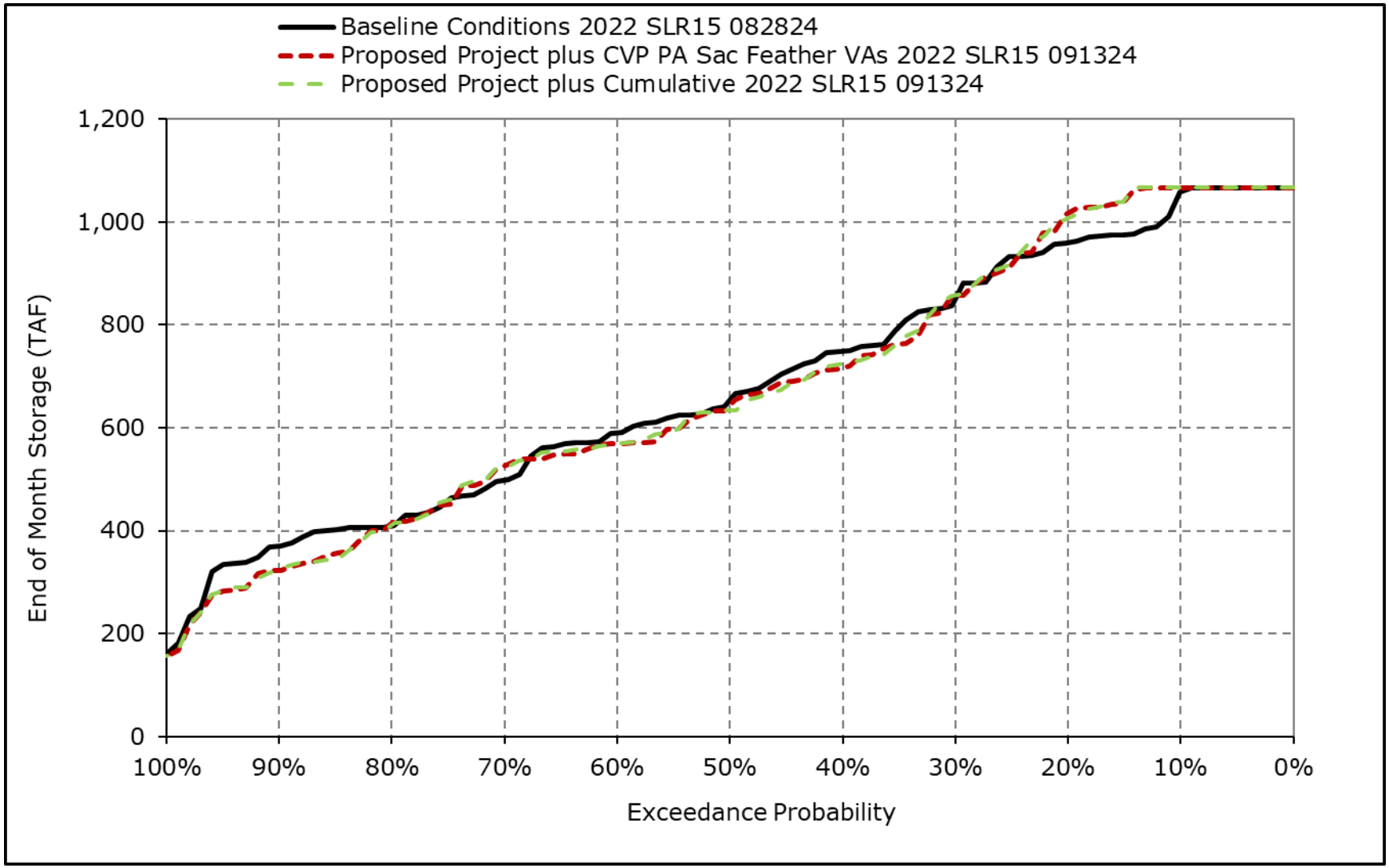
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure 4H-1-1f. San Luis SWP Storage, March



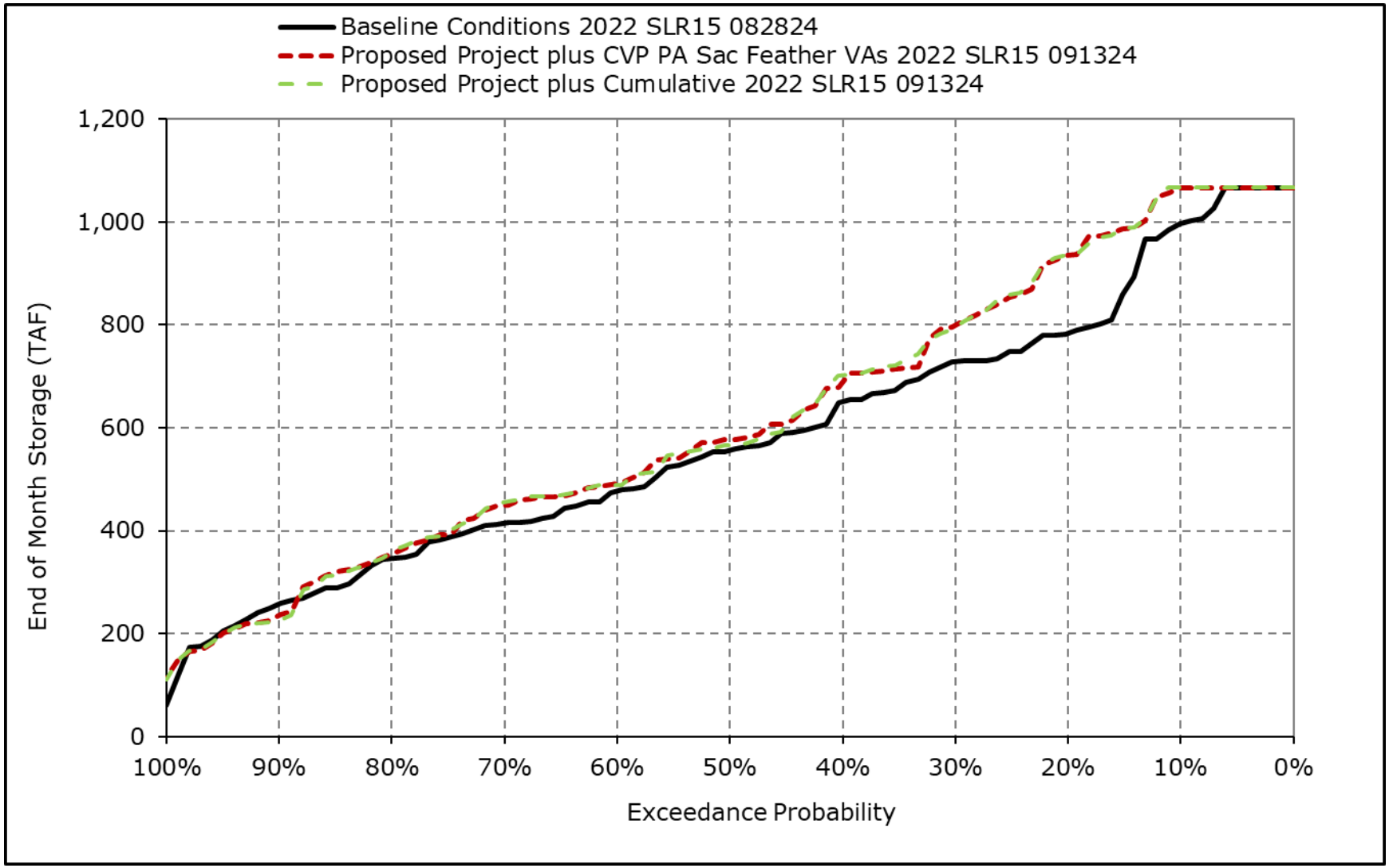
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure 4H-1-1g. San Luis SWP Storage, April



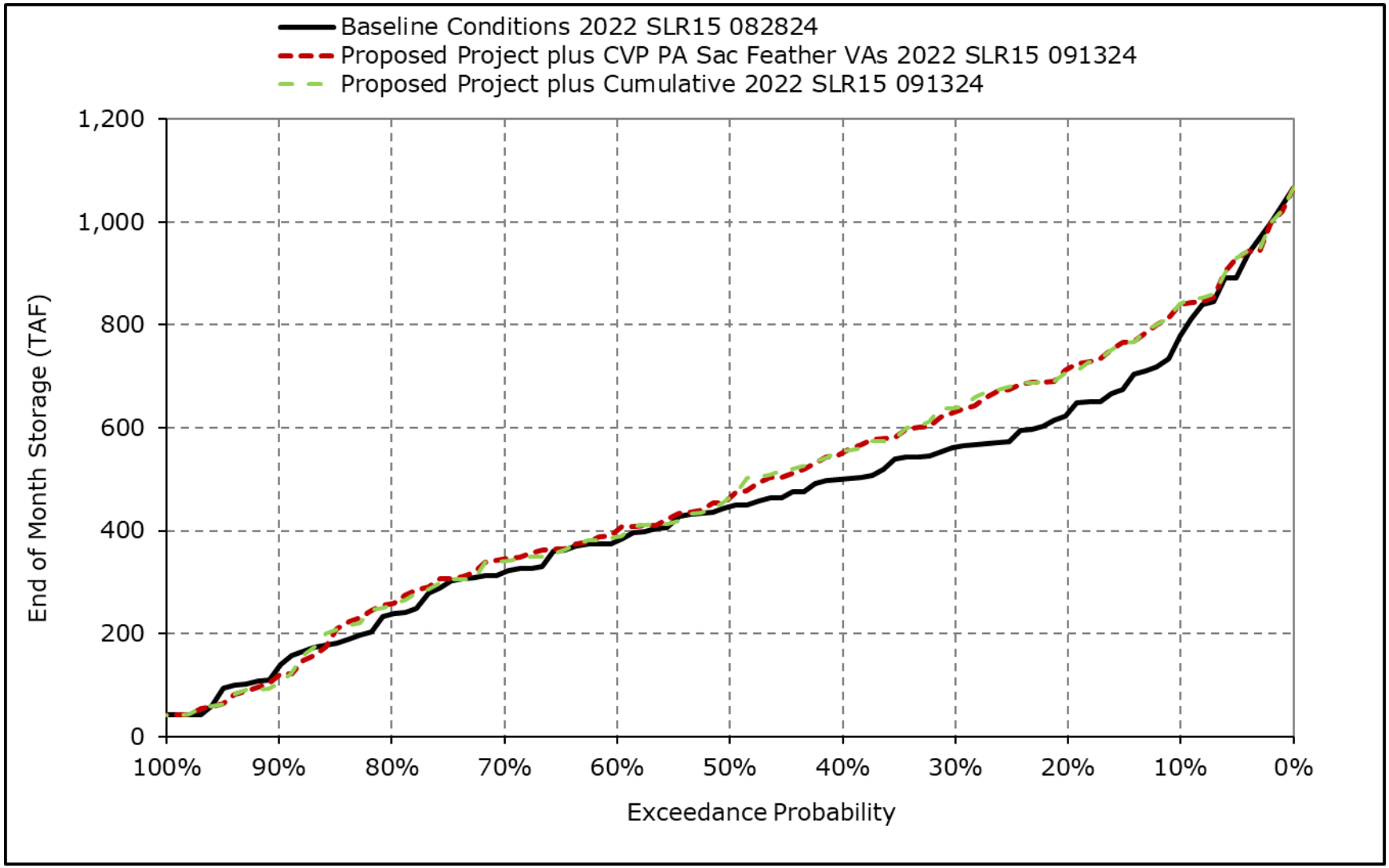
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure 4H-1-1h. San Luis SWP Storage, May



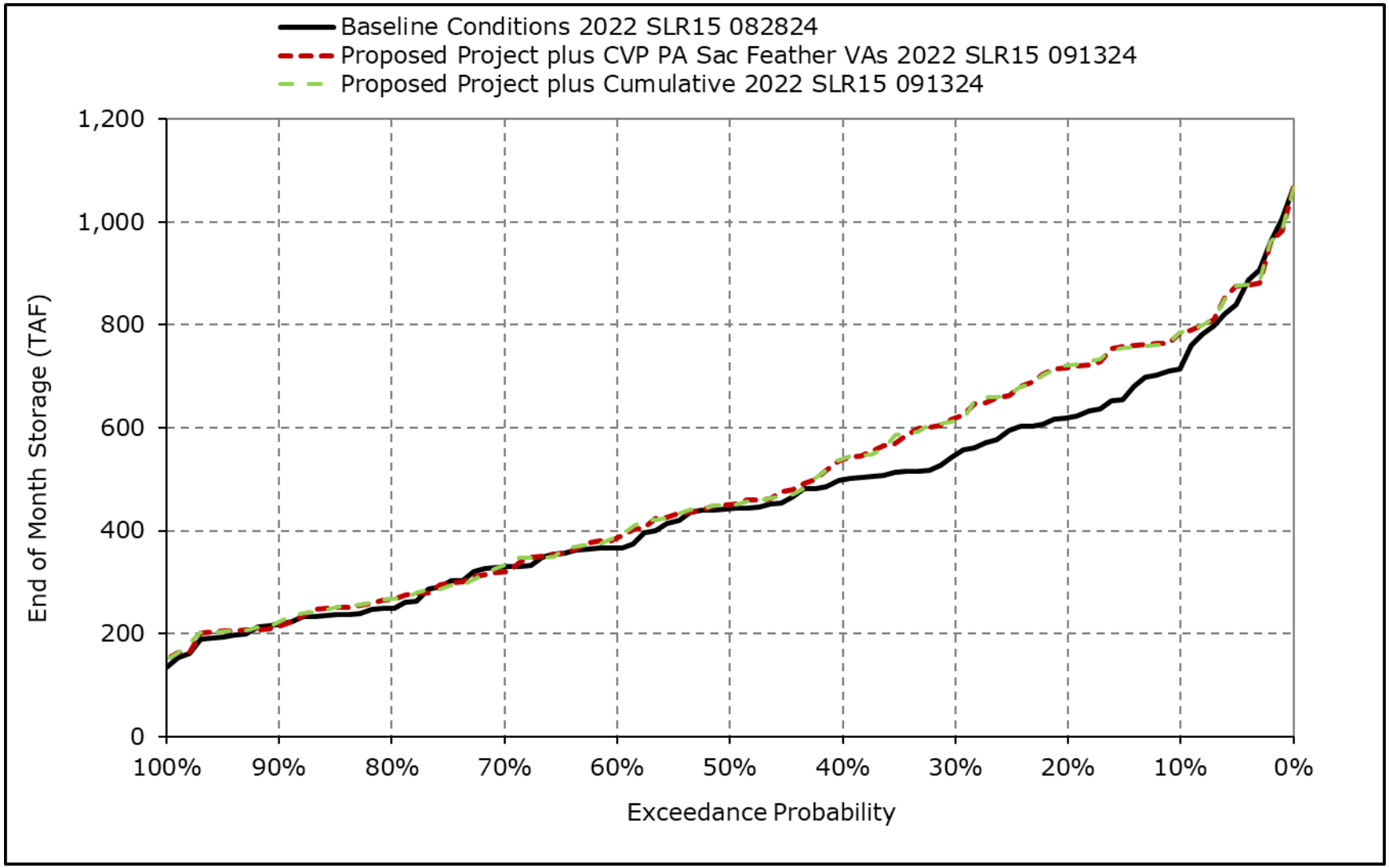
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure 4H-1-1i. San Luis SWP Storage, June



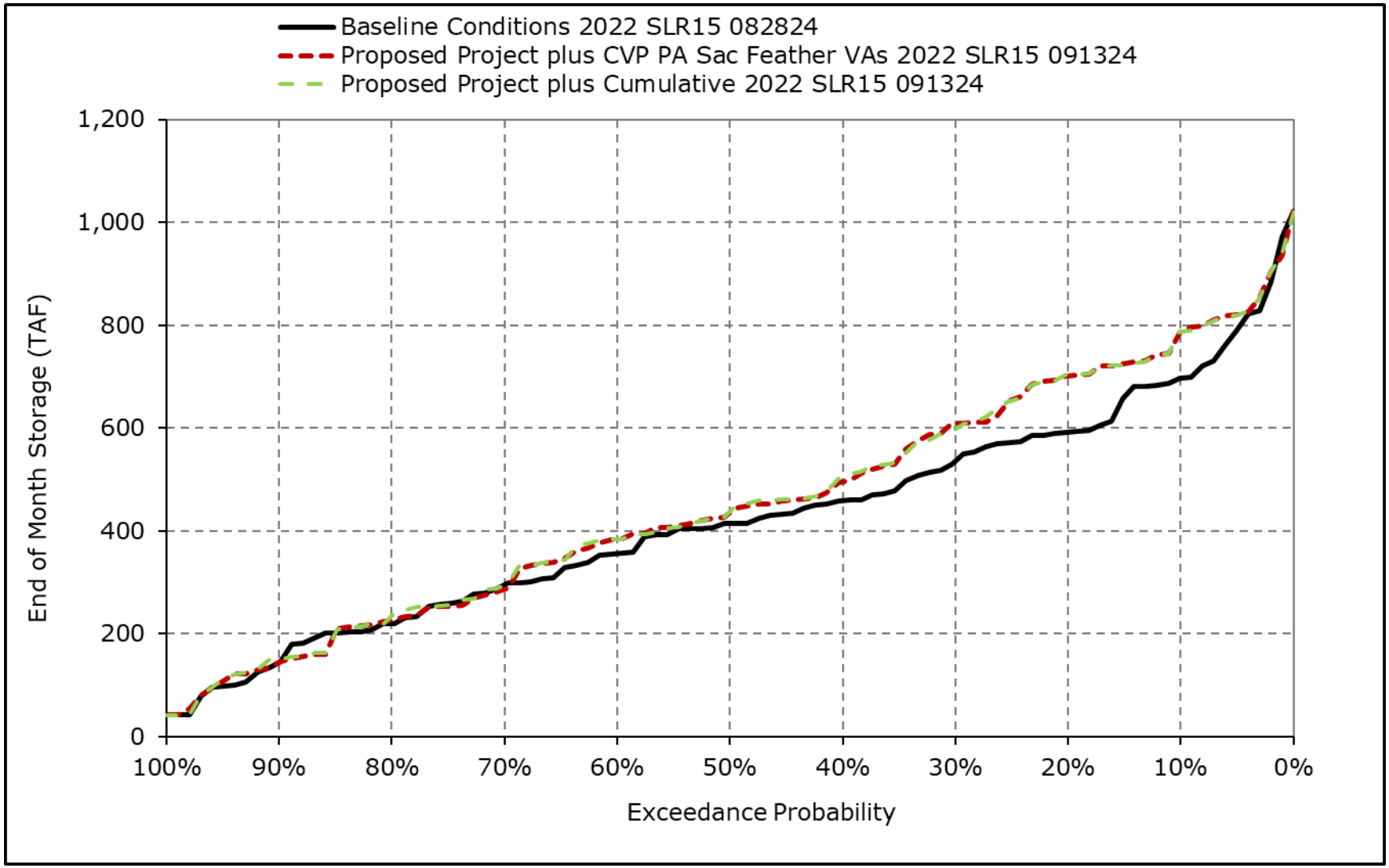
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure 4H-1-1j. San Luis SWP Storage, July



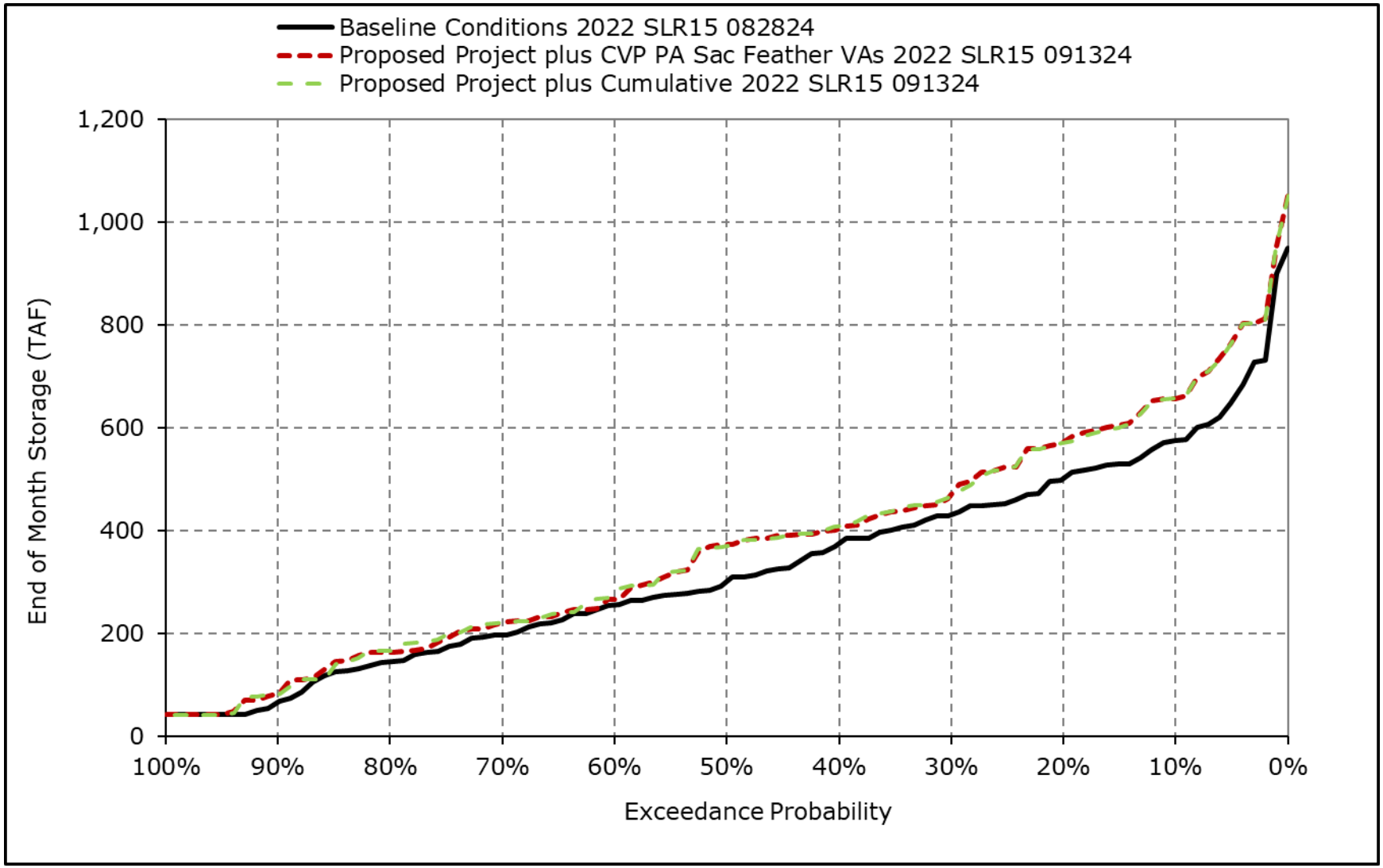
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure 4H-1-1k. San Luis SWP Storage, August



*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure 4H-1-1l. San Luis SWP Storage, September



*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Table 4H-1-2-1a. San Luis Storage (CVP and SWP), Baseline Conditions 2022 SLR15 082824, End of Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	862	1,154	1,509	1,758	2,039	2,039	2,007	1,909	1,505	1,118	923	813
20% Exceedance	649	896	1,211	1,422	1,740	1,970	1,858	1,606	1,206	909	690	575
30% Exceedance	522	778	1,023	1,294	1,500	1,716	1,644	1,430	1,045	774	598	514
40% Exceedance	454	648	917	1,105	1,294	1,511	1,380	1,165	905	686	547	468
50% Exceedance	399	570	811	1,023	1,221	1,416	1,295	995	746	617	484	423
60% Exceedance	362	491	661	953	1,174	1,292	1,127	901	682	517	430	362
70% Exceedance	289	425	590	879	1,108	1,189	1,063	828	590	488	370	316
80% Exceedance	237	348	528	772	1,003	1,130	977	778	511	414	295	235
90% Exceedance	183	246	399	681	828	1,041	900	645	414	347	224	192
Full Simulation Period Average[a]	478	653	871	1,107	1,319	1,463	1,352	1,143	870	689	536	474
Wet Water Years (29%)	579	829	1,119	1,429	1,676	1,808	1,804	1,639	1,297	1,019	844	707
Above Normal Water Years (12%)	460	656	896	1,173	1,445	1,605	1,458	1,211	823	611	564	387
Below Normal Water Years (18%)	538	720	915	1,091	1,275	1,433	1,228	914	599	543	451	419
Dry Water Years (22%)	363	519	681	881	1,039	1,209	1,040	808	626	511	311	332
Critical Water Years (19%)	410	473	656	852	1,059	1,166	1,074	951	786	575	390	388

Table 4H-1-2-1b. San Luis Storage (CVP and SWP), Proposed Project plus CVP PA Sac Feather VAs 2022 SLR15 091324, End of Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	987	1,245	1,526	1,830	2,039	2,039	2,039	1,965	1,611	1,209	945	980
20% Exceedance	687	979	1,295	1,439	1,758	1,962	1,945	1,791	1,350	1,010	785	649
30% Exceedance	569	840	1,116	1,319	1,515	1,717	1,612	1,579	1,167	898	702	606
40% Exceedance	500	685	937	1,165	1,337	1,475	1,476	1,345	985	769	591	518
50% Exceedance	458	630	851	1,036	1,258	1,352	1,314	1,151	877	657	506	469
60% Exceedance	403	498	724	986	1,184	1,270	1,204	1,061	786	581	452	397
70% Exceedance	321	451	631	911	1,113	1,193	1,093	979	694	536	388	351
80% Exceedance	273	361	548	781	986	1,101	998	910	604	474	322	301
90% Exceedance	197	299	424	679	820	1,006	913	772	495	375	223	210
Full Simulation Period Average[a]	521	696	917	1,134	1,335	1,445	1,394	1,281	966	754	580	526
Wet Water Years (29%)	620	867	1,147	1,443	1,679	1,810	1,821	1,732	1,354	1,077	910	798
Above Normal Water Years (12%)	492	696	934	1,196	1,442	1,538	1,459	1,287	851	657	600	458
Below Normal Water Years (18%)	604	779	982	1,140	1,314	1,405	1,314	1,144	779	669	515	473
Dry Water Years (22%)	402	556	724	906	1,055	1,175	1,077	964	735	555	324	343
Critical Water Years (19%)	447	517	715	879	1,085	1,179	1,142	1,086	889	635	420	417

Table 4H-1-2-1c. San Luis Storage (CVP and SWP), Proposed Project plus CVP PA Sac Feather VAs 2022 SLR15 091324 minus Baseline Conditions 2022 SLR15 082824, End of Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	125	91	17	72	0	0	32	57	105	91	22	167
20% Exceedance	38	84	85	18	18	-8	86	185	143	101	95	74
30% Exceedance	47	62	93	24	14	1	-32	149	122	124	104	92
40% Exceedance	46	37	19	61	43	-36	96	180	79	82	44	50
50% Exceedance	59	60	40	13	37	-63	19	156	130	40	22	46
60% Exceedance	41	6	64	33	11	-22	77	160	104	65	22	35
70% Exceedance	32	26	42	32	5	4	30	151	103	47	18	35
80% Exceedance	37	13	20	9	-18	-29	21	131	93	61	27	66
90% Exceedance	14	54	25	-2	-8	-35	13	127	81	29	-1	18
Full Simulation Period Average[a]	43	43	46	26	16	-18	42	138	96	66	44	53
Wet Water Years (29%)	41	39	28	14	3	1	17	93	57	57	66	91
Above Normal Water Years (12%)	32	40	38	23	-3	-68	1	76	28	46	36	71
Below Normal Water Years (18%)	66	59	67	49	39	-28	86	231	181	126	64	54
Dry Water Years (22%)	38	37	43	25	16	-35	37	156	108	44	13	11
Critical Water Years (19%)	37	45	60	27	27	13	69	135	103	60	30	29

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

* All scenarios are simulated at 2022 Median climate condition and 15 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 4H-1-2-2a. San Luis Storage (CVP and SWP), Baseline Conditions 2022 SLR15 082824, End of Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	862	1,154	1,509	1,758	2,039	2,039	2,007	1,909	1,505	1,118	923	813
20% Exceedance	649	896	1,211	1,422	1,740	1,970	1,858	1,606	1,206	909	690	575
30% Exceedance	522	778	1,023	1,294	1,500	1,716	1,644	1,430	1,045	774	598	514
40% Exceedance	454	648	917	1,105	1,294	1,511	1,380	1,165	905	686	547	468
50% Exceedance	399	570	811	1,023	1,221	1,416	1,295	995	746	617	484	423
60% Exceedance	362	491	661	953	1,174	1,292	1,127	901	682	517	430	362
70% Exceedance	289	425	590	879	1,108	1,189	1,063	828	590	488	370	316
80% Exceedance	237	348	528	772	1,003	1,130	977	778	511	414	295	235
90% Exceedance	183	246	399	681	828	1,041	900	645	414	347	224	192
Full Simulation Period Average[a]	478	653	871	1,107	1,319	1,463	1,352	1,143	870	689	536	474
Wet Water Years (29%)	579	829	1,119	1,429	1,676	1,808	1,804	1,639	1,297	1,019	844	707
Above Normal Water Years (12%)	460	656	896	1,173	1,445	1,605	1,458	1,211	823	611	564	387
Below Normal Water Years (18%)	538	720	915	1,091	1,275	1,433	1,228	914	599	543	451	419
Dry Water Years (22%)	363	519	681	881	1,039	1,209	1,040	808	626	511	311	332
Critical Water Years (19%)	410	473	656	852	1,059	1,166	1,074	951	786	575	390	388

Table 4H-1-2-2b. San Luis Storage (CVP and SWP), Proposed Project plus Cumulative 2022 SLR15 091324, End of Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	987	1,246	1,530	1,832	2,039	2,039	2,039	1,969	1,610	1,209	945	977
20% Exceedance	697	990	1,269	1,441	1,743	1,965	1,938	1,795	1,351	1,029	785	644
30% Exceedance	577	844	1,117	1,300	1,515	1,721	1,632	1,577	1,166	905	715	607
40% Exceedance	502	691	947	1,167	1,342	1,477	1,472	1,350	998	762	594	524
50% Exceedance	462	641	851	1,037	1,260	1,360	1,319	1,175	885	658	512	479
60% Exceedance	410	512	751	986	1,190	1,280	1,211	1,060	794	581	458	401
70% Exceedance	328	448	621	920	1,119	1,182	1,110	983	690	541	400	351
80% Exceedance	280	369	544	785	996	1,098	1,007	908	604	473	337	305
90% Exceedance	194	288	430	679	816	1,005	914	768	488	387	238	206
Full Simulation Period Average[a]	523	699	918	1,135	1,336	1,445	1,394	1,282	966	755	582	527
Wet Water Years (29%)	619	867	1,145	1,441	1,677	1,805	1,818	1,730	1,352	1,074	909	797
Above Normal Water Years (12%)	497	702	938	1,201	1,446	1,541	1,462	1,290	853	658	596	455
Below Normal Water Years (18%)	605	780	983	1,140	1,310	1,403	1,313	1,143	778	667	514	470
Dry Water Years (22%)	409	562	727	911	1,059	1,177	1,080	965	734	560	333	347
Critical Water Years (19%)	448	522	720	879	1,089	1,183	1,147	1,092	896	640	427	423

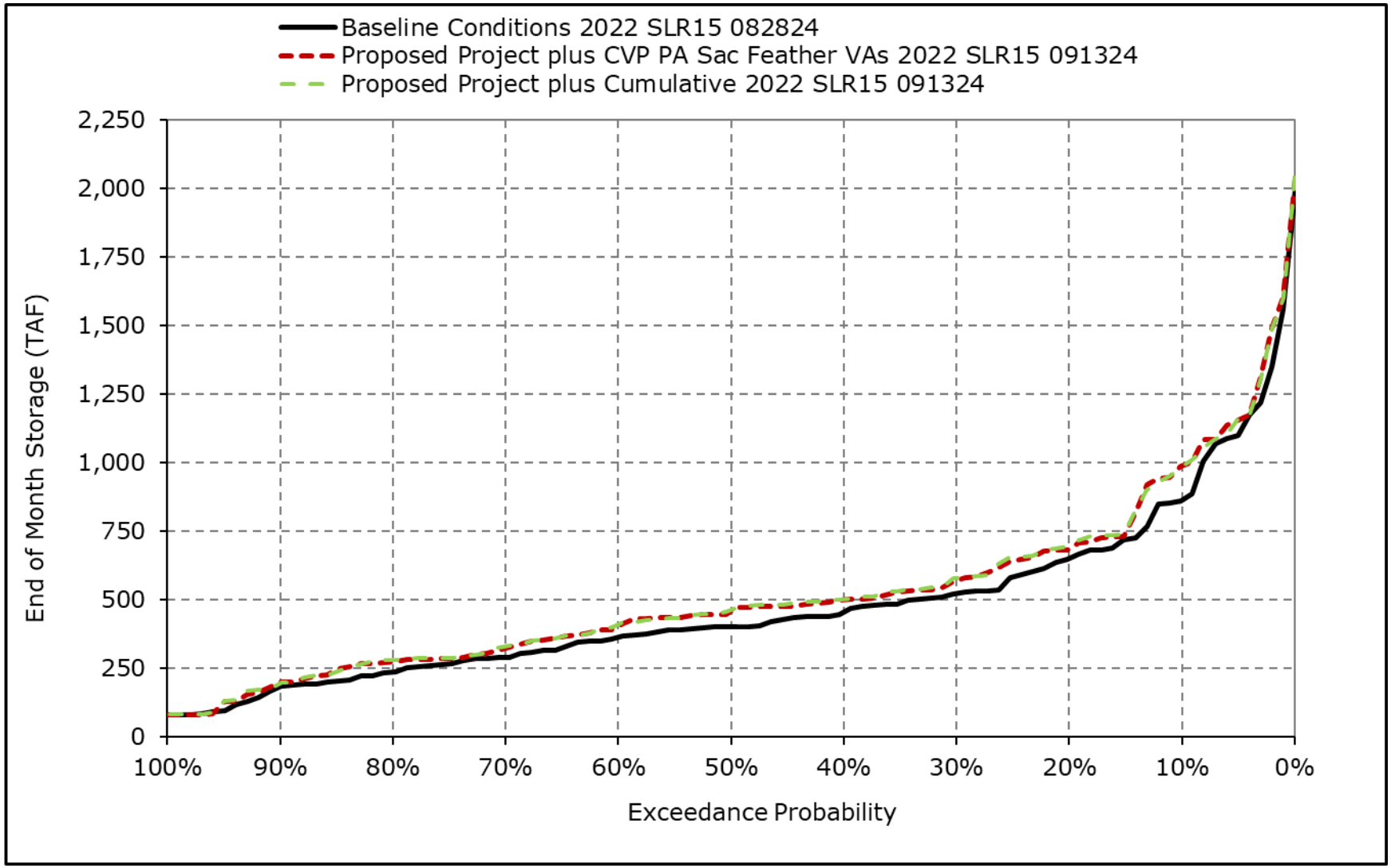
Table 4H-1-2-2c. San Luis Storage (CVP and SWP), Proposed Project plus Cumulative 2022 SLR15 091324 minus Baseline Conditions 2022 SLR15 082824, End of Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	126	91	22	74	0	0	32	60	105	91	22	164
20% Exceedance	48	94	58	19	3	-6	79	189	145	120	95	68
30% Exceedance	56	66	93	6	15	6	-12	147	121	130	117	93
40% Exceedance	48	43	30	63	49	-33	92	185	93	76	47	56
50% Exceedance	63	72	40	14	39	-56	24	180	139	42	28	56
60% Exceedance	48	21	90	33	16	-11	84	159	112	65	28	40
70% Exceedance	39	23	31	41	10	-8	47	155	100	53	30	35
80% Exceedance	43	22	16	13	-7	-32	30	130	93	59	41	71
90% Exceedance	11	43	30	-2	-12	-36	14	123	75	40	14	14
Full Simulation Period Average[a]	45	46	47	27	17	-18	42	139	96	67	46	53
Wet Water Years (29%)	40	38	26	13	1	-3	14	91	55	55	65	90
Above Normal Water Years (12%)	37	47	42	28	1	-64	4	79	30	46	33	68
Below Normal Water Years (18%)	66	60	68	49	35	-30	85	230	179	124	63	51
Dry Water Years (22%)	46	43	46	30	20	-33	40	157	107	48	21	15
Critical Water Years (19%)	38	50	64	27	30	17	73	141	110	65	36	35

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

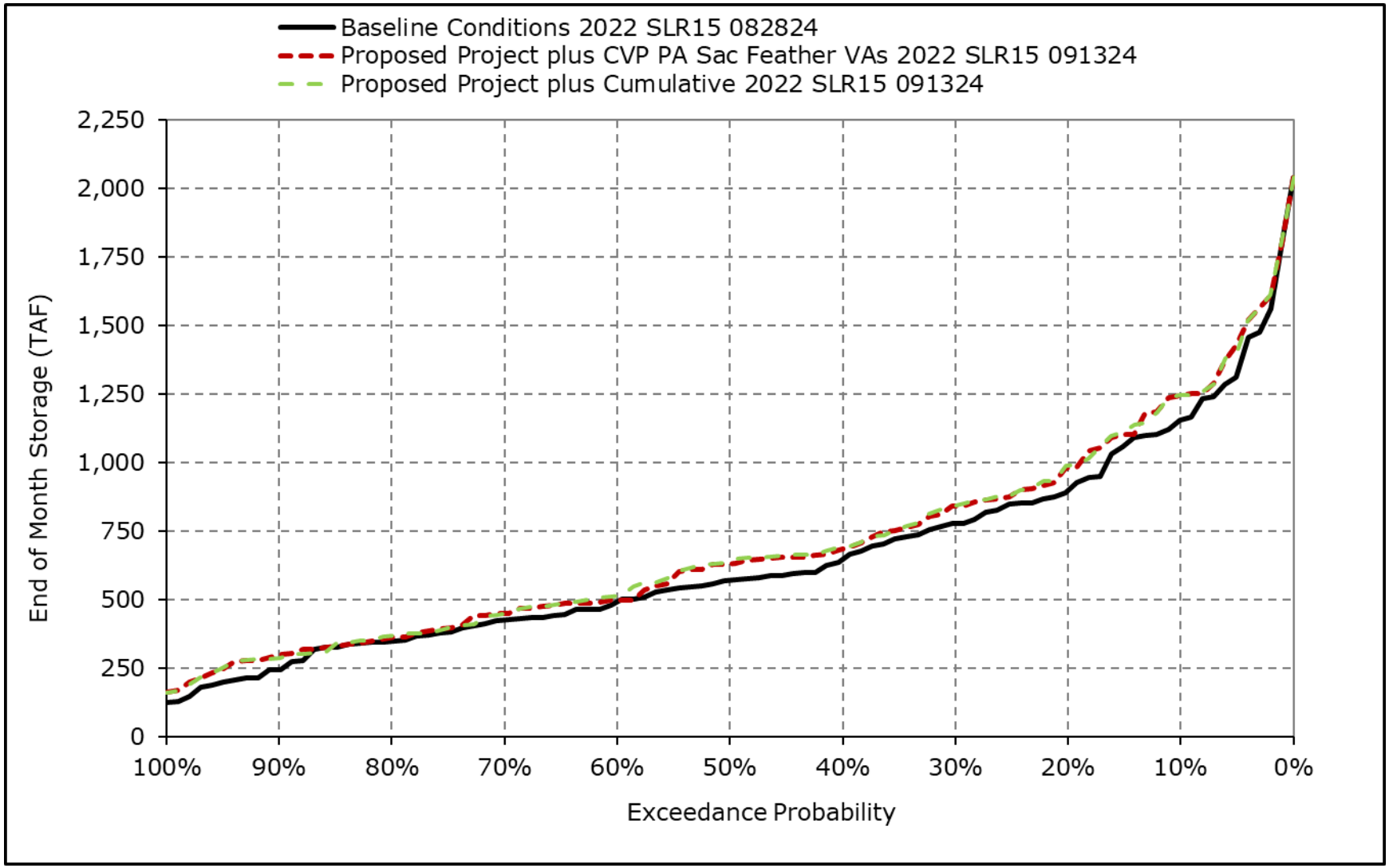
* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.
* Water Year Types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* Water Year Types results are displayed with water year - year type sorting.

Figure 4H-1-2a. San Luis Storage (CVP and SWP), October



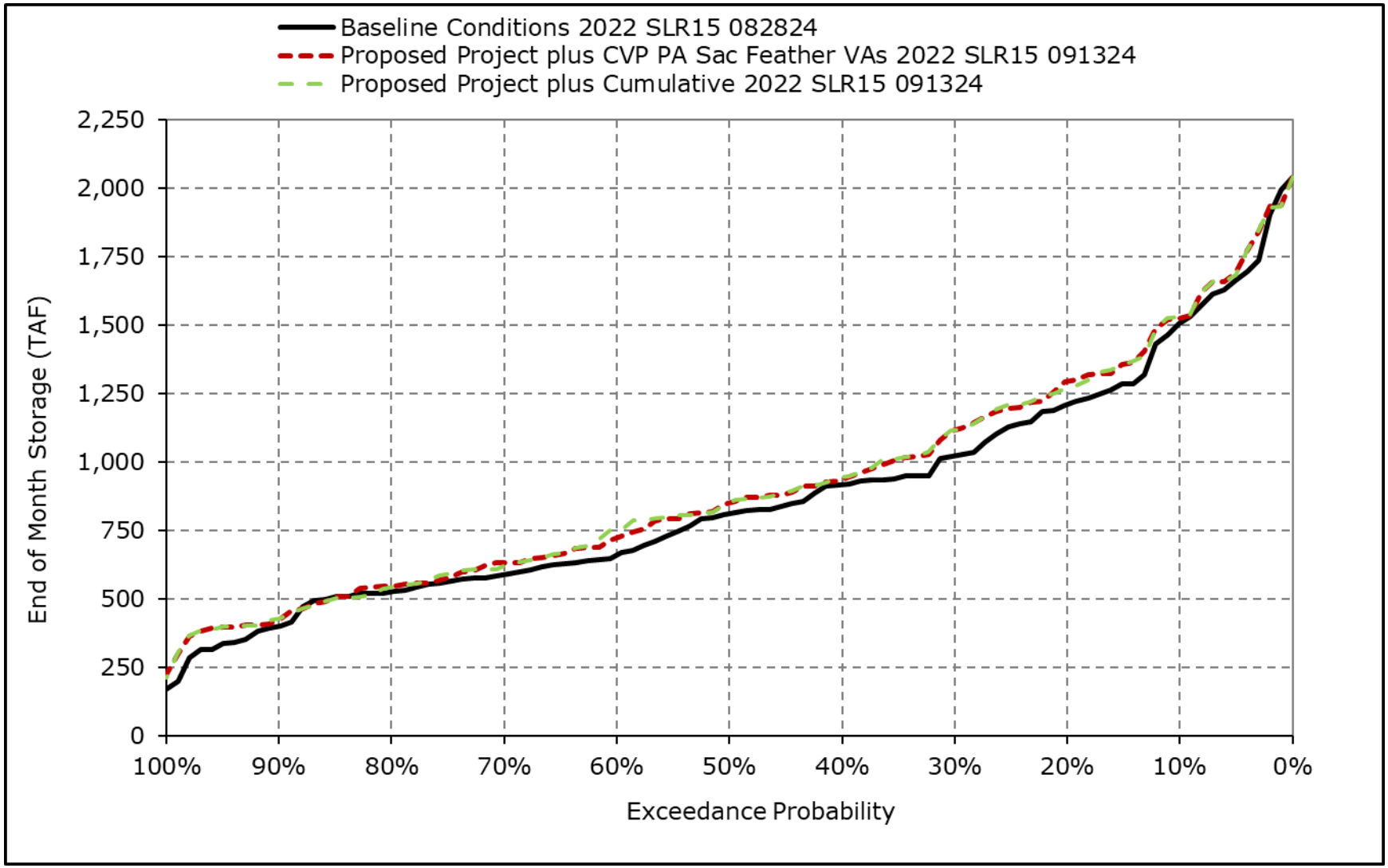
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure 4H-1-2b. San Luis Storage (CVP and SWP), November



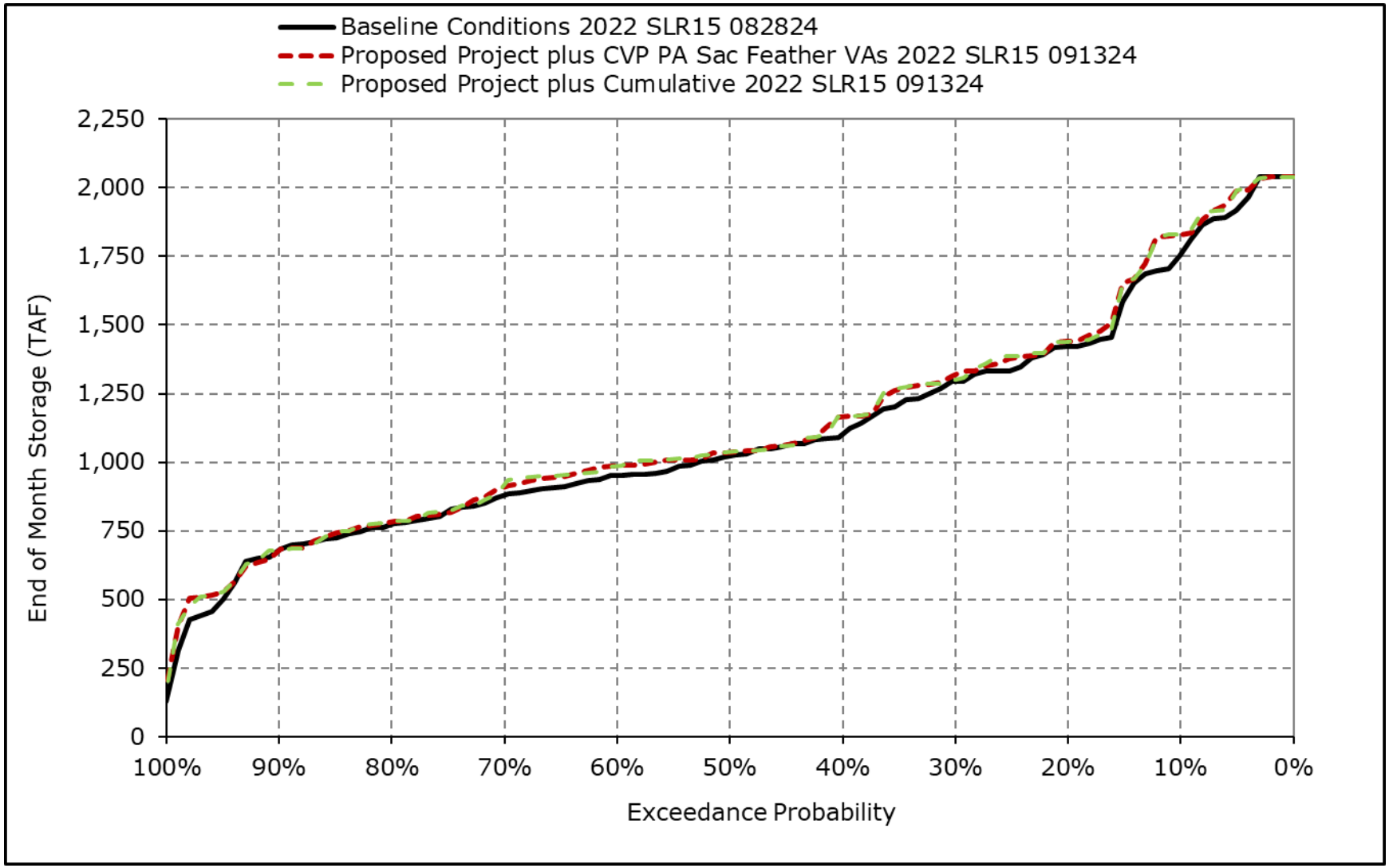
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure 4H-1-2c. San Luis Storage (CVP and SWP), December



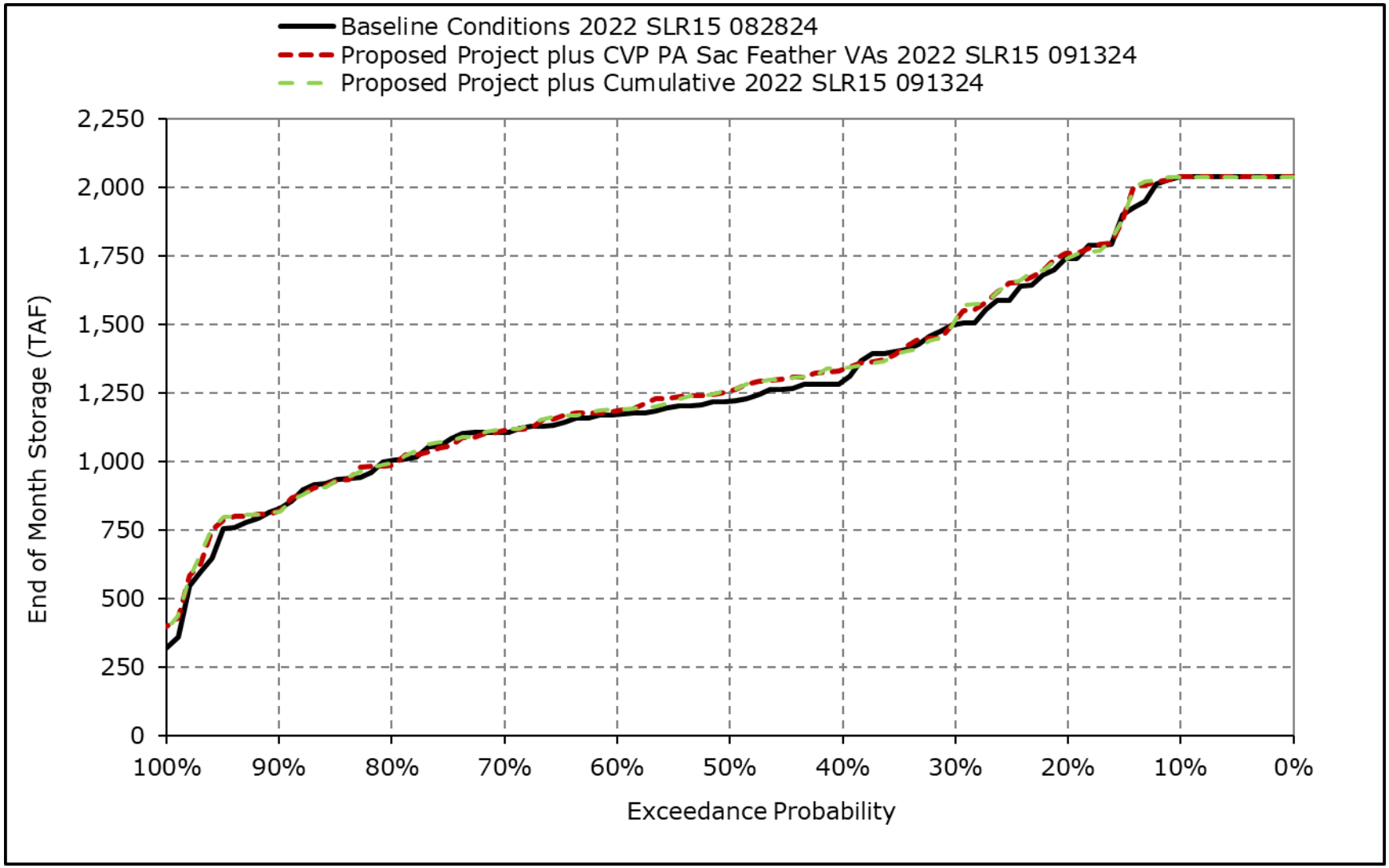
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure 4H-1-2d. San Luis Storage (CVP and SWP), January



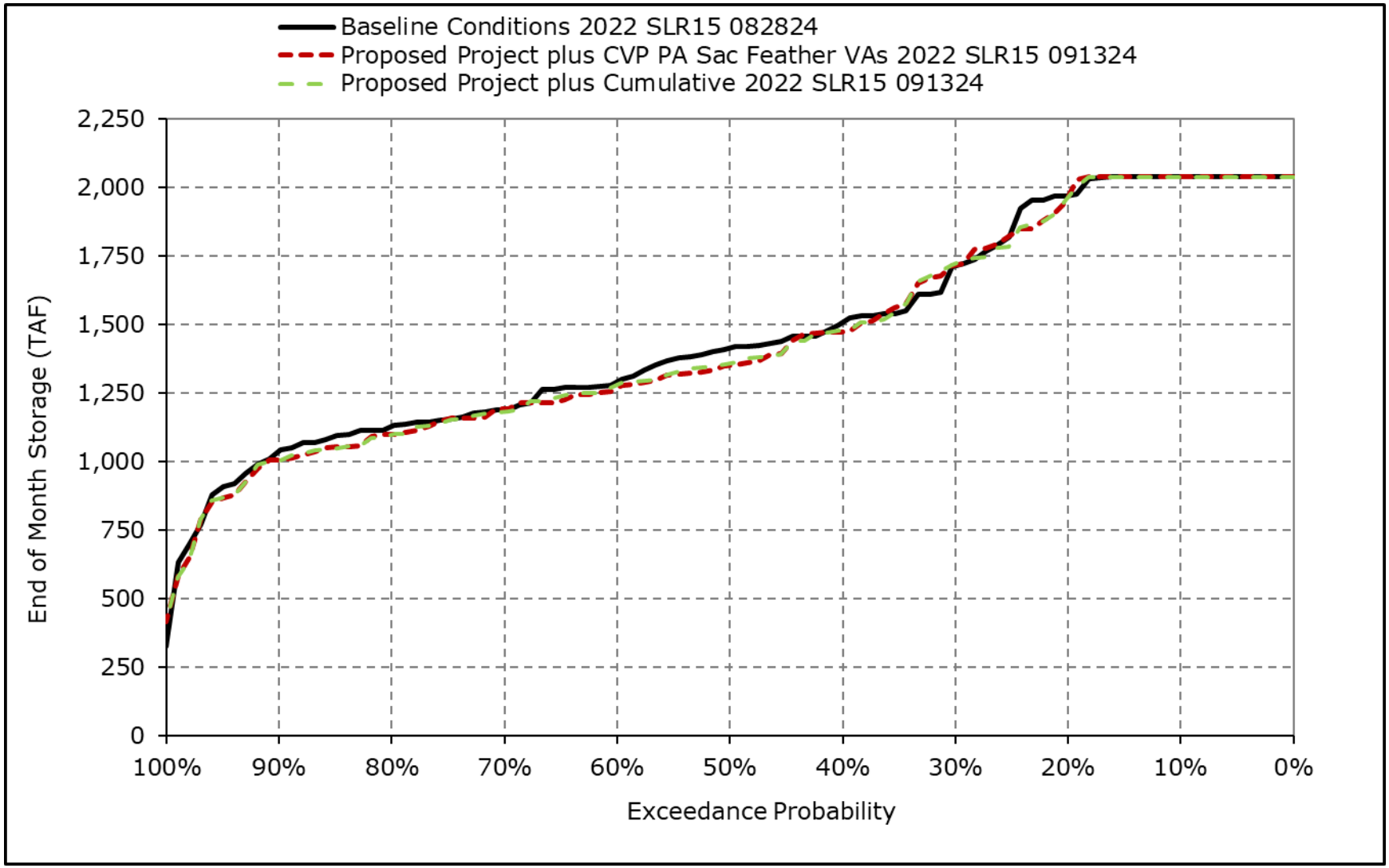
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure 4H-1-2e. San Luis Storage (CVP and SWP), February



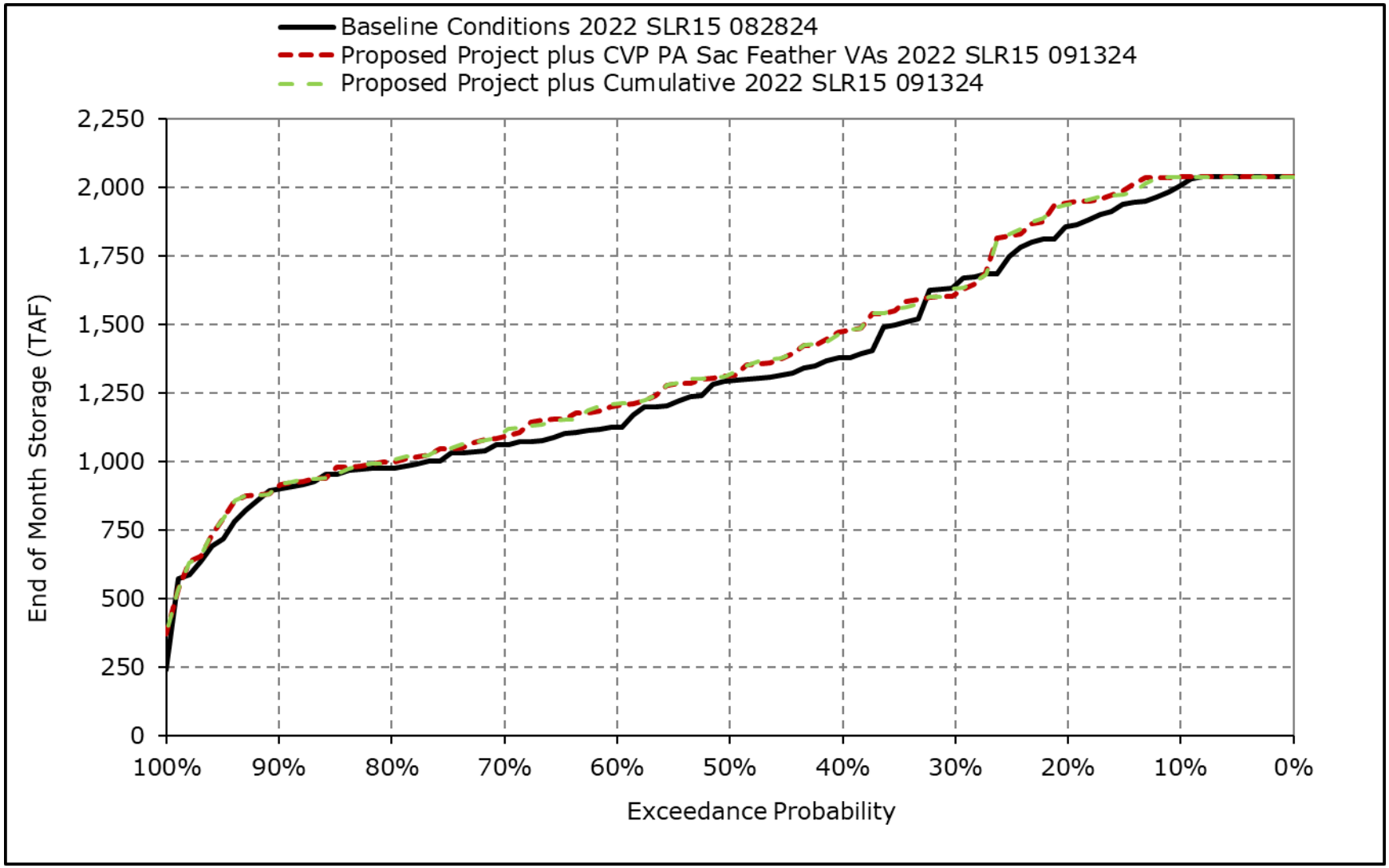
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure 4H-1-2f. San Luis Storage (CVP and SWP), March



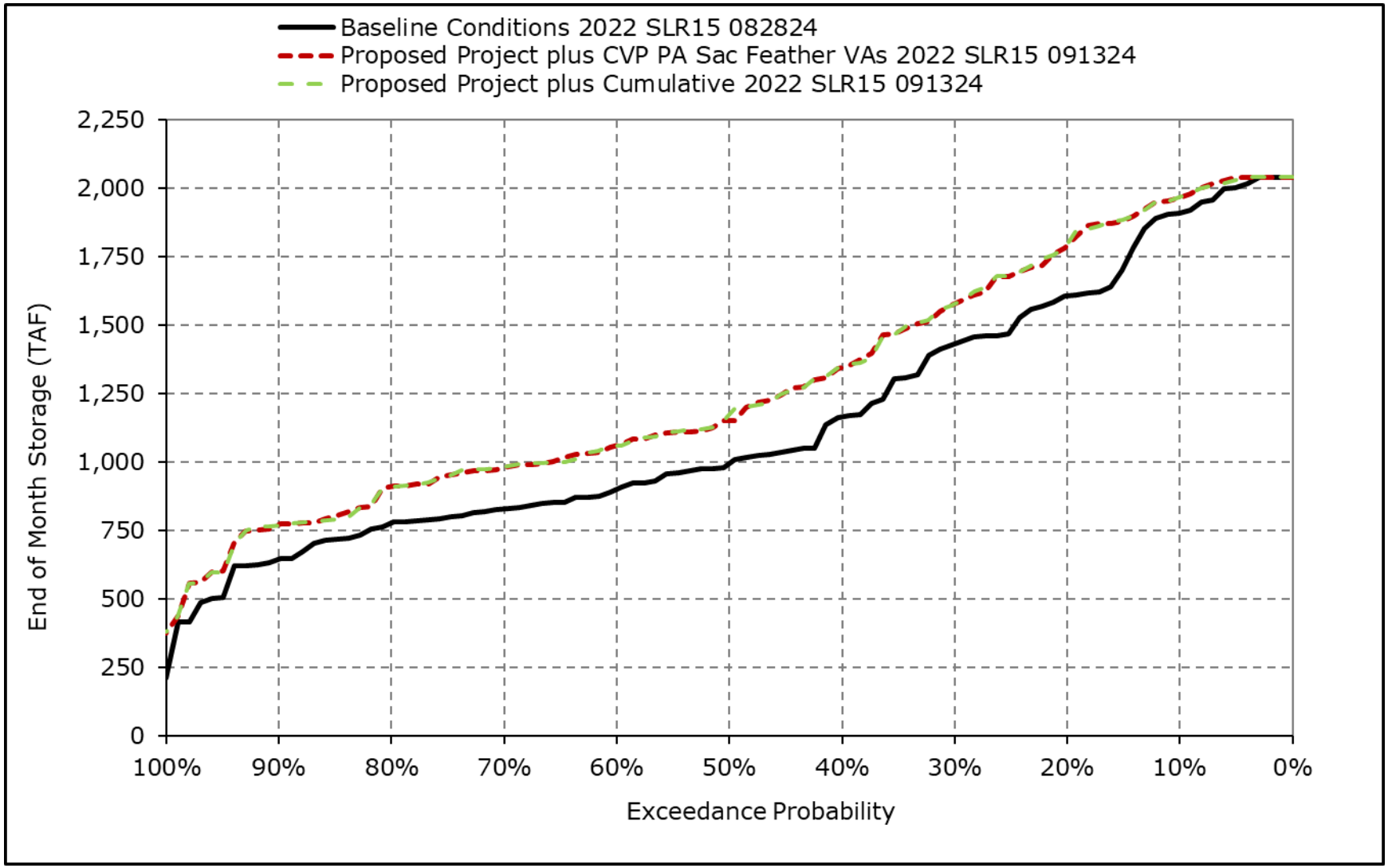
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure 4H-1-2g. San Luis Storage (CVP and SWP), April



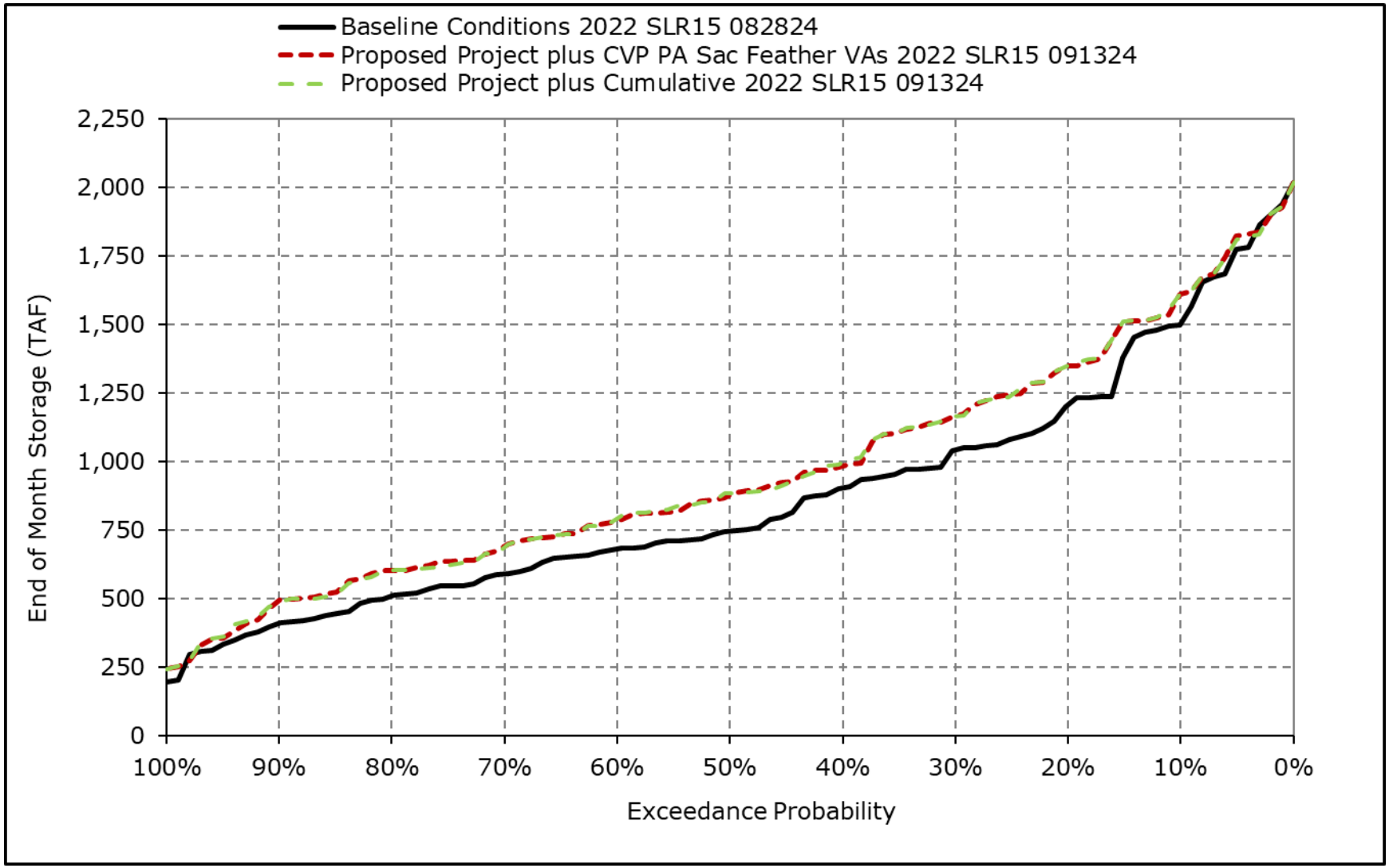
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure 4H-1-2h. San Luis Storage (CVP and SWP), May



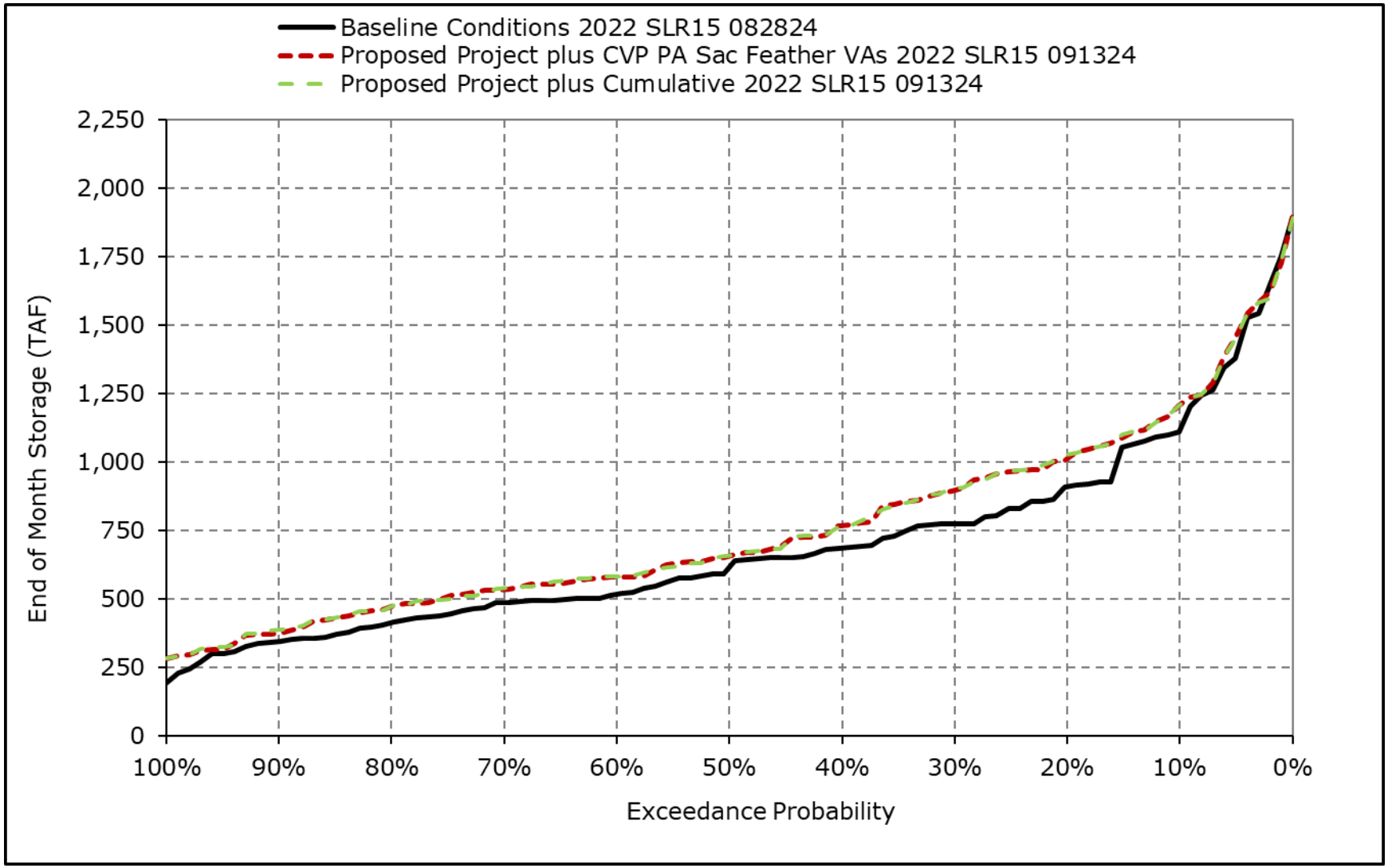
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure 4H-1-2i. San Luis Storage (CVP and SWP), June



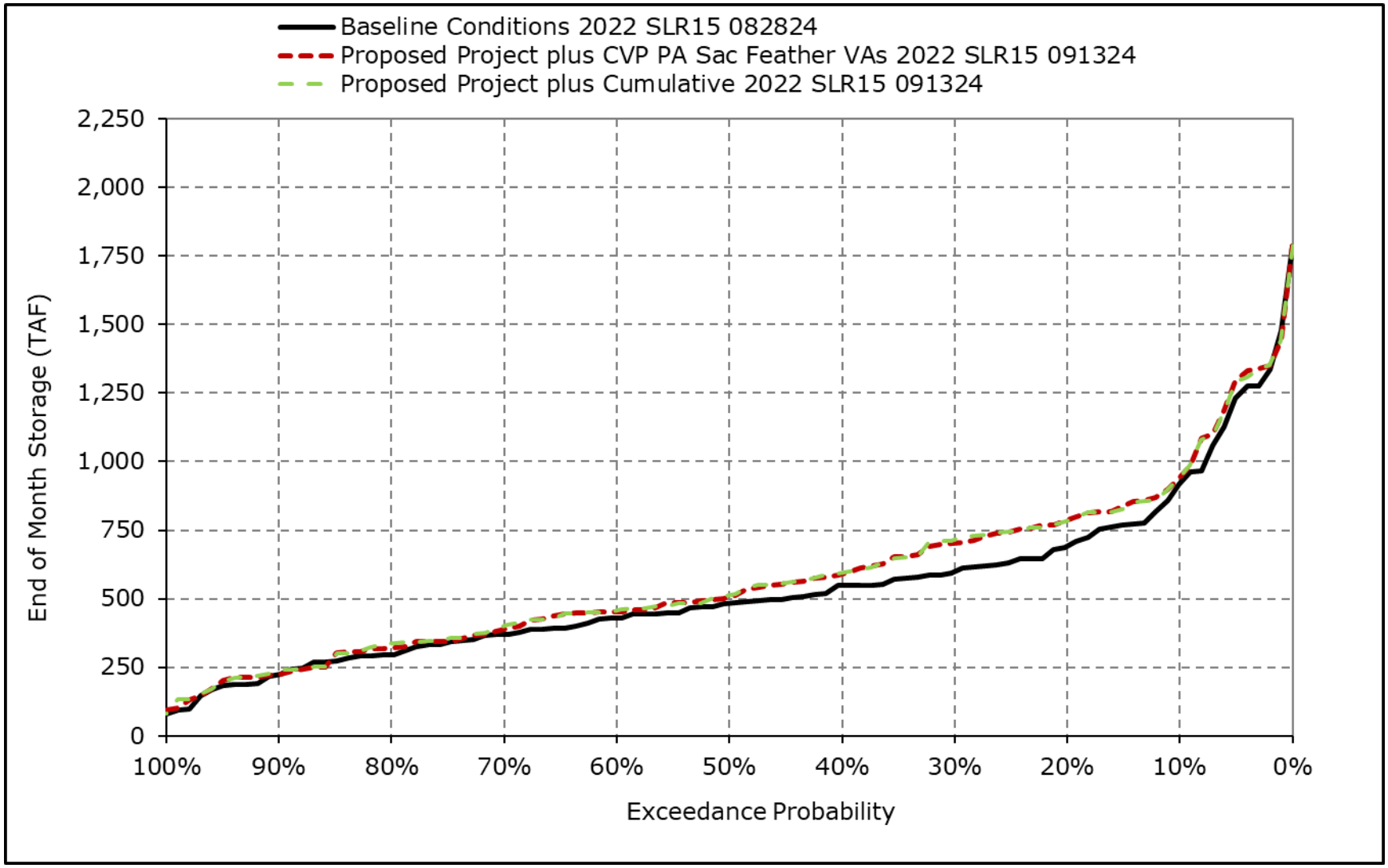
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure 4H-1-2j. San Luis Storage (CVP and SWP), July



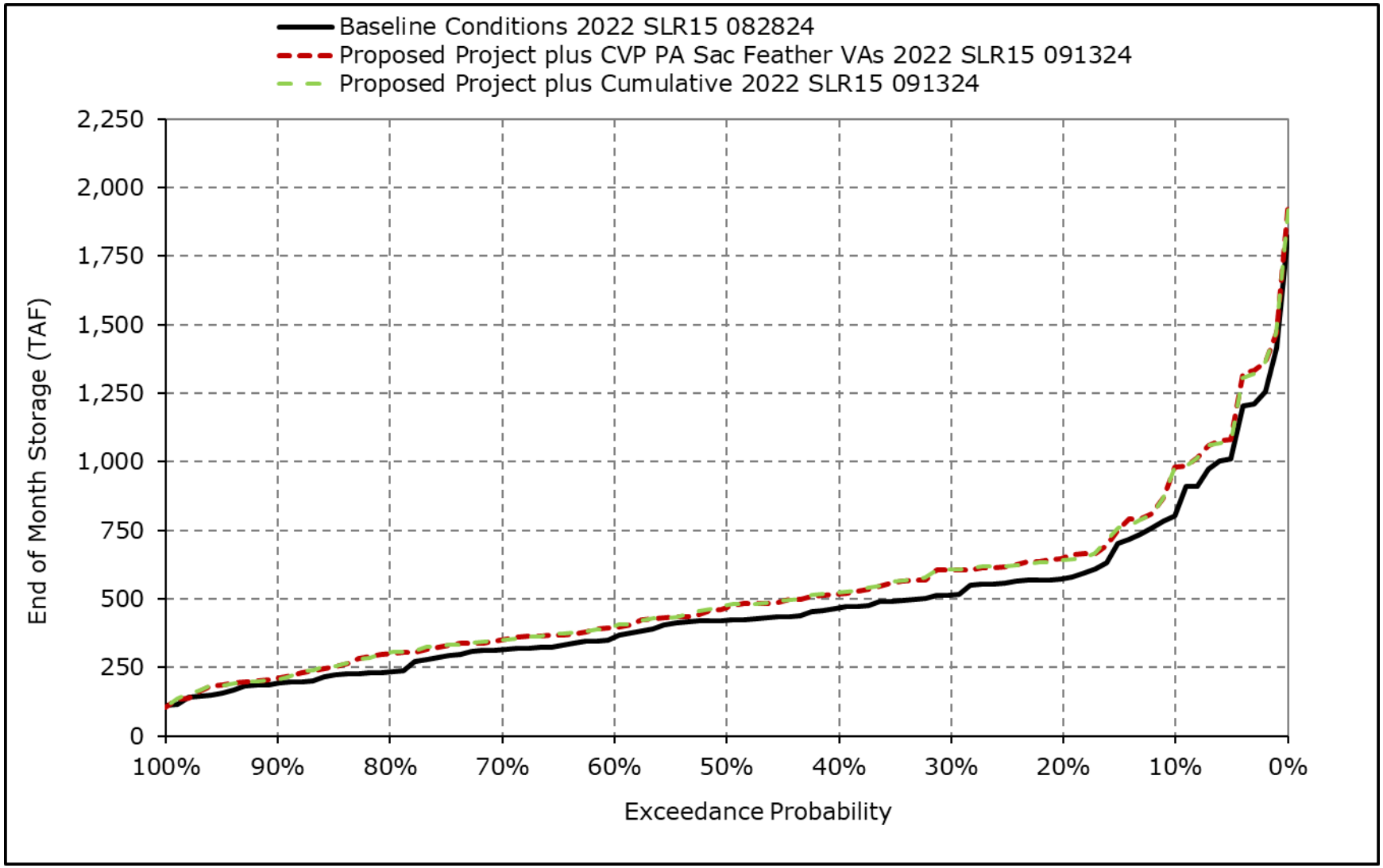
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure 4H-1-2k. San Luis Storage (CVP and SWP), August



*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure 4H-1-2l. San Luis Storage (CVP and SWP), September



*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Table 4H-1-3-1a. San Luis Reservoir (SWP and CVP), Baseline Conditions 2022 SLR15 082824, End of Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	438	467	500	521	544	544	541	533	500	464	445	433
20% Exceedance	415	442	473	492	520	538	529	508	472	443	420	406
30% Exceedance	400	430	455	481	499	518	512	493	457	429	409	399
40% Exceedance	390	415	444	463	480	500	489	468	443	419	403	392
50% Exceedance	383	405	433	455	474	492	481	452	426	411	395	386
60% Exceedance	378	396	416	448	469	480	465	442	419	399	387	378
70% Exceedance	367	386	408	440	463	471	459	435	408	395	379	371
80% Exceedance	357	376	401	429	453	465	450	430	398	385	368	356
90% Exceedance	346	359	383	419	435	457	442	414	385	376	354	348
Full Simulation Period Average[a]	389	411	436	460	481	494	484	463	435	416	397	389
Wet Water Years (29%)	398	429	461	491	513	524	524	510	478	452	434	418
Above Normal Water Years (12%)	389	413	440	468	493	507	494	471	431	407	404	379
Below Normal Water Years (18%)	398	420	441	460	478	492	473	442	406	400	388	382
Dry Water Years (22%)	375	396	416	439	455	472	456	432	411	397	368	372
Critical Water Years (19%)	382	390	413	434	456	467	458	446	429	405	380	380

Table 4H-1-3-1b. San Luis Reservoir (SWP and CVP), Proposed Project plus CVP PA Sac Feather VAs 2022 SLR15 091324, End of Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	451	476	501	527	544	544	544	538	509	473	447	451
20% Exceedance	419	451	481	494	521	538	536	524	486	454	430	415
30% Exceedance	405	436	464	483	500	518	509	506	469	442	421	410
40% Exceedance	397	419	446	468	485	497	497	485	451	429	408	399
50% Exceedance	391	412	437	456	477	486	482	467	440	416	398	392
60% Exceedance	383	397	424	451	470	478	472	459	430	407	390	383
70% Exceedance	372	390	413	443	463	471	462	451	420	401	381	376
80% Exceedance	364	378	403	430	451	462	453	443	409	393	372	369
90% Exceedance	349	369	386	418	434	453	444	429	396	380	354	352
Full Simulation Period Average[a]	394	416	441	463	482	492	488	477	446	424	403	396
Wet Water Years (29%)	403	434	463	492	513	524	525	518	484	458	442	428
Above Normal Water Years (12%)	394	418	444	470	493	501	494	478	434	413	408	389
Below Normal Water Years (18%)	406	427	448	465	482	490	481	465	426	415	396	390
Dry Water Years (22%)	380	400	421	442	457	469	459	448	423	403	370	373
Critical Water Years (19%)	387	397	420	437	459	468	465	460	440	412	384	384

Table 4H-1-3-1c. San Luis Reservoir (SWP and CVP), Proposed Project plus CVP PA Sac Feather VAs 2022 SLR15 091324 minus Baseline Conditions 2022 SLR15 082824, End of Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	13	9	1	6	0	0	3	5	9	9	2	17
20% Exceedance	4	9	8	2	1	-1	7	16	14	10	11	9
30% Exceedance	6	6	9	2	1	0	-3	13	11	13	12	11
40% Exceedance	6	4	2	6	4	-3	8	17	8	9	5	7
50% Exceedance	8	7	4	1	3	-6	2	15	14	5	3	6
60% Exceedance	6	1	7	3	1	-2	7	16	12	8	3	5
70% Exceedance	5	4	5	3	0	0	3	16	12	6	2	5
80% Exceedance	7	2	2	1	-2	-3	2	14	11	8	4	13
90% Exceedance	3	10	3	0	-1	-3	1	15	11	4	0	4
Full Simulation Period Average[a]	6	5	5	3	2	-2	4	13	10	8	5	7
Wet Water Years (29%)	5	5	3	1	0	0	1	8	5	6	7	11
Above Normal Water Years (12%)	4	5	4	2	0	-6	0	7	3	6	4	10
Below Normal Water Years (18%)	8	7	7	5	4	-3	8	23	20	15	8	8
Dry Water Years (22%)	5	4	5	3	2	-3	3	16	12	5	1	1
Critical Water Years (19%)	5	6	7	3	3	1	7	14	11	7	4	4

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

* All scenarios are simulated at 2022 Median climate condition and 15 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 4H-1-3-2a. San Luis Reservoir (SWP and CVP), Baseline Conditions 2022 SLR15 082824, End of Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	438	467	500	521	544	544	541	533	500	464	445	433
20% Exceedance	415	442	473	492	520	538	529	508	472	443	420	406
30% Exceedance	400	430	455	481	499	518	512	493	457	429	409	399
40% Exceedance	390	415	444	463	480	500	489	468	443	419	403	392
50% Exceedance	383	405	433	455	474	492	481	452	426	411	395	386
60% Exceedance	378	396	416	448	469	480	465	442	419	399	387	378
70% Exceedance	367	386	408	440	463	471	459	435	408	395	379	371
80% Exceedance	357	376	401	429	453	465	450	430	398	385	368	356
90% Exceedance	346	359	383	419	435	457	442	414	385	376	354	348
Full Simulation Period Average[a]	389	411	436	460	481	494	484	463	435	416	397	389
Wet Water Years (29%)	398	429	461	491	513	524	524	510	478	452	434	418
Above Normal Water Years (12%)	389	413	440	468	493	507	494	471	431	407	404	379
Below Normal Water Years (18%)	398	420	441	460	478	492	473	442	406	400	388	382
Dry Water Years (22%)	375	396	416	439	455	472	456	432	411	397	368	372
Critical Water Years (19%)	382	390	413	434	456	467	458	446	429	405	380	380

Table 4H-1-3-2b. San Luis Reservoir (SWP and CVP), Proposed Project plus Cumulative 2022 SLR15 091324, End of Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	451	476	502	527	544	544	544	538	509	473	447	450
20% Exceedance	420	452	478	494	520	538	536	524	486	456	430	414
30% Exceedance	406	436	464	481	500	518	511	506	468	443	423	410
40% Exceedance	397	420	447	469	485	497	497	486	453	428	408	400
50% Exceedance	392	414	437	456	477	487	483	469	441	416	399	394
60% Exceedance	384	399	427	451	471	479	473	458	431	407	391	383
70% Exceedance	373	390	411	444	464	470	463	451	420	402	383	376
80% Exceedance	365	379	402	430	452	462	453	443	409	393	374	370
90% Exceedance	349	367	387	418	433	453	444	428	395	381	357	351
Full Simulation Period Average[a]	395	416	441	463	482	492	488	477	446	424	403	396
Wet Water Years (29%)	403	434	463	492	513	524	525	518	483	458	441	428
Above Normal Water Years (12%)	394	419	445	471	493	502	494	478	434	413	408	389
Below Normal Water Years (18%)	406	427	448	465	482	490	481	465	426	415	396	390
Dry Water Years (22%)	381	401	421	442	457	469	459	448	423	403	371	374
Critical Water Years (19%)	387	397	421	437	459	469	465	460	441	413	385	385

Table 4H-1-3-2c. San Luis Reservoir (SWP and CVP), Proposed Project plus Cumulative 2022 SLR15 091324 minus Baseline Conditions 2022 SLR15 082824, End of Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	13	9	2	6	0	0	3	5	9	9	2	17
20% Exceedance	6	10	6	2	0	0	6	16	14	12	11	8
30% Exceedance	7	7	9	1	1	0	-1	13	11	14	14	11
40% Exceedance	7	5	3	6	5	-3	8	17	10	9	6	8
50% Exceedance	9	8	4	1	4	-5	2	17	15	5	4	8
60% Exceedance	7	3	11	3	2	-1	8	16	13	8	4	5
70% Exceedance	6	3	4	4	1	-1	4	16	12	7	4	5
80% Exceedance	8	3	2	1	-1	-3	3	14	11	8	6	13
90% Exceedance	2	8	4	0	-1	-3	1	14	10	6	3	3
Full Simulation Period Average[a]	6	6	5	3	2	-2	4	14	10	8	6	7
Wet Water Years (29%)	5	5	2	1	0	0	1	8	5	6	7	10
Above Normal Water Years (12%)	5	6	4	3	0	-6	0	7	3	6	4	10
Below Normal Water Years (18%)	8	7	7	5	3	-3	8	23	20	15	8	8
Dry Water Years (22%)	6	5	5	3	2	-3	4	16	12	6	3	2
Critical Water Years (19%)	5	7	8	3	3	2	7	14	12	8	5	5

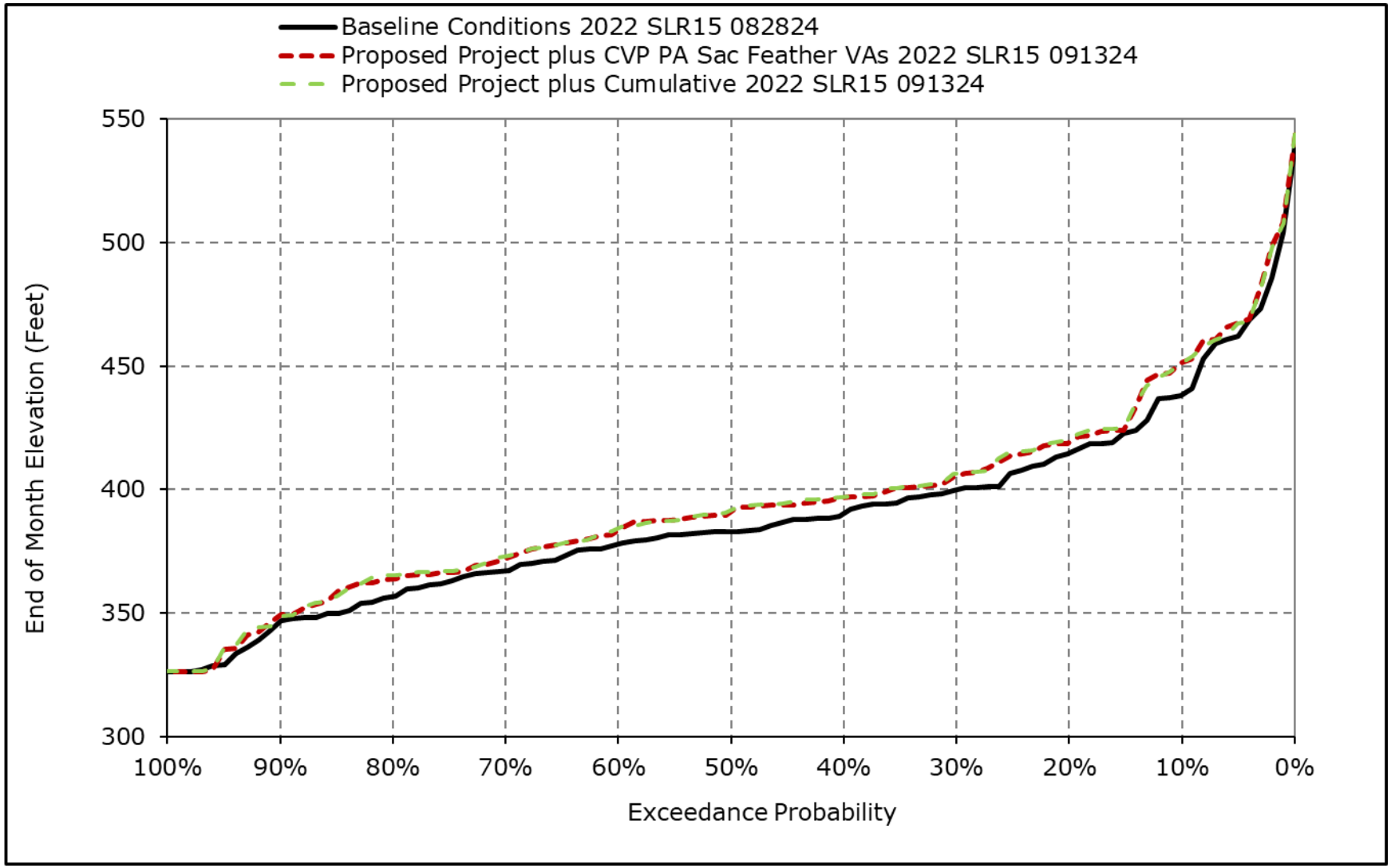
[a] Based on the 100-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

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

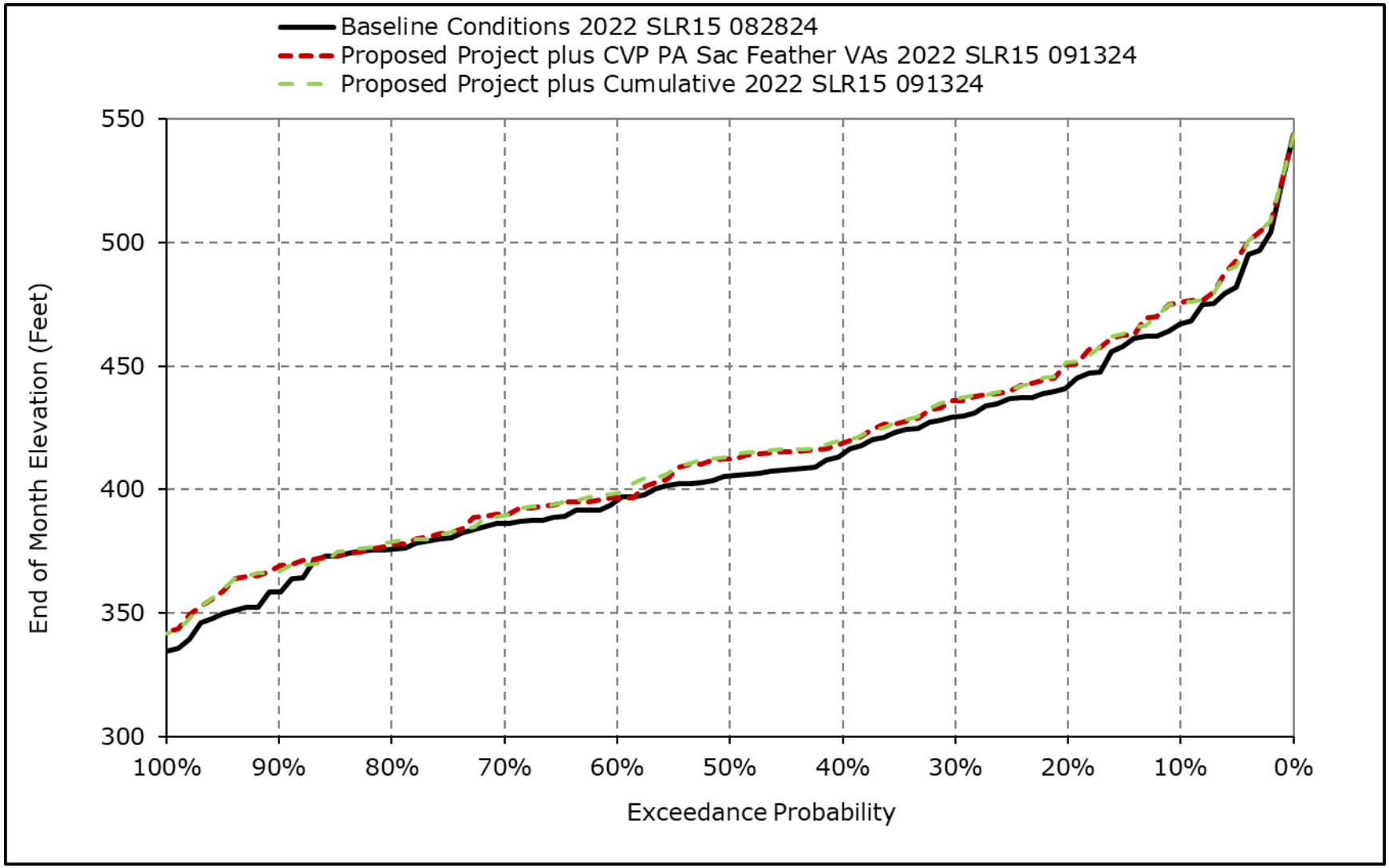
* Water Year Types results are displayed with water year - year type sorting.

Figure 4H-1-3a. San Luis Reservoir (SWP and CVP), October



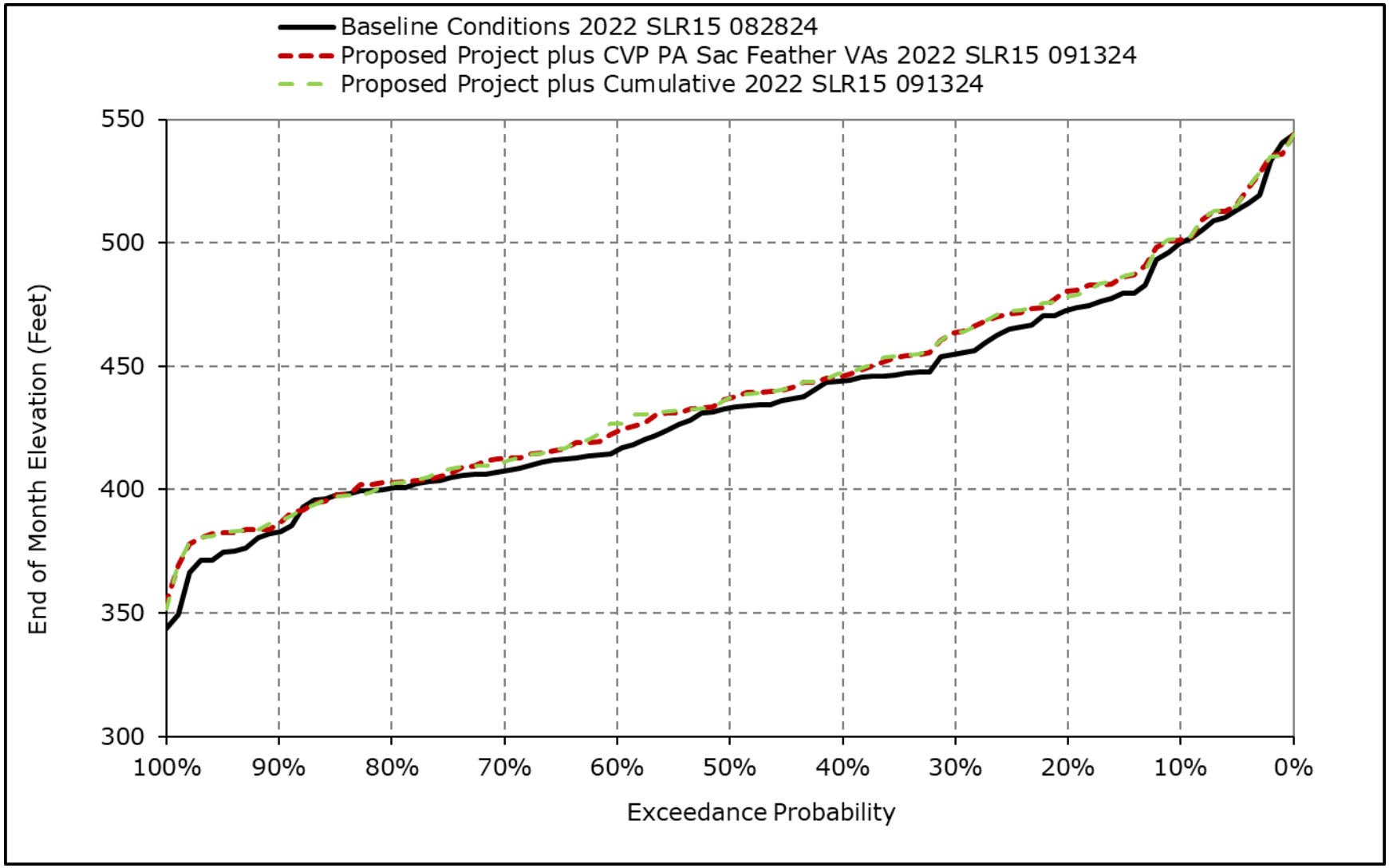
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure 4H-1-3b. San Luis Reservoir (SWP and CVP), November



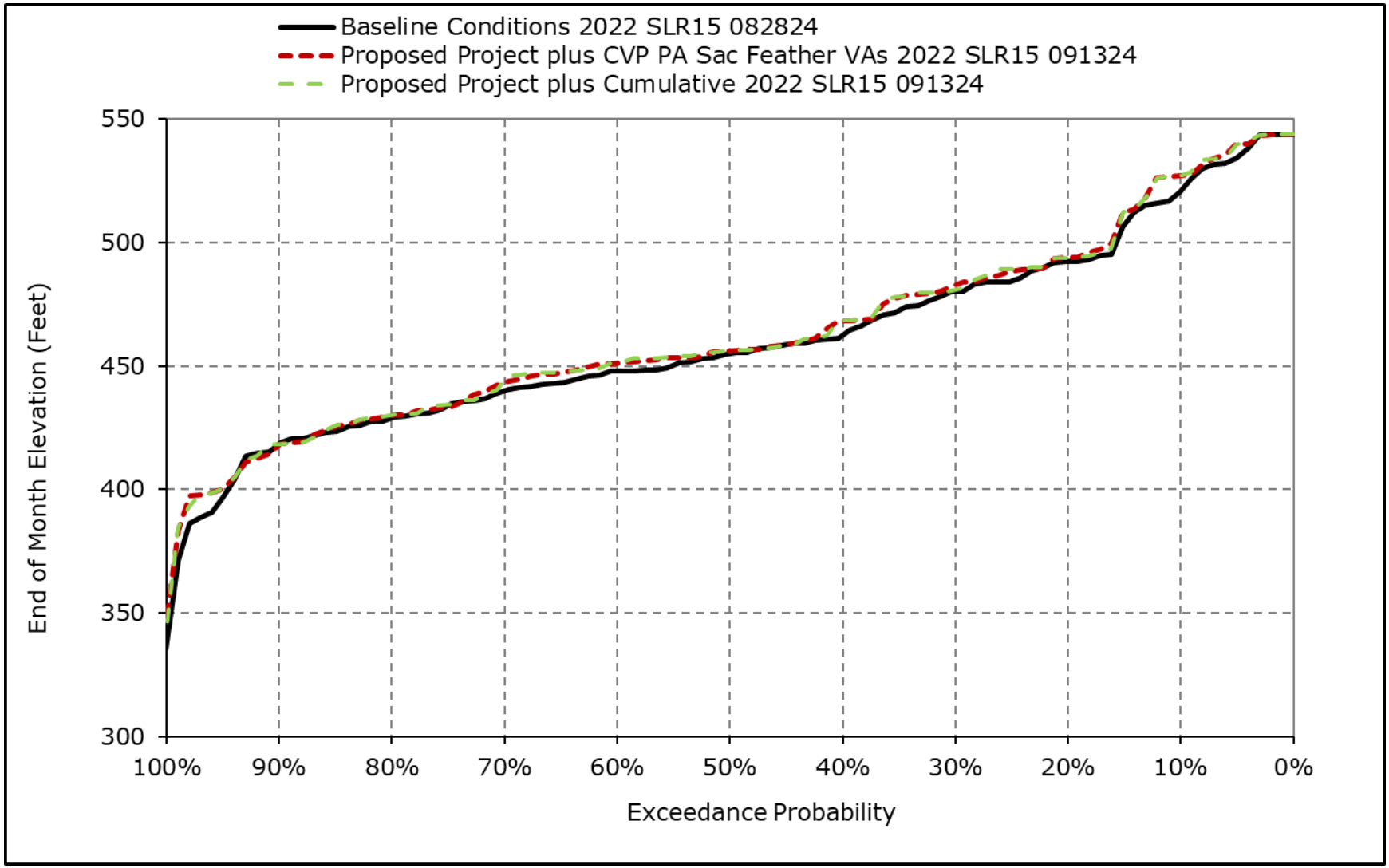
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure 4H-1-3c. San Luis Reservoir (SWP and CVP), December



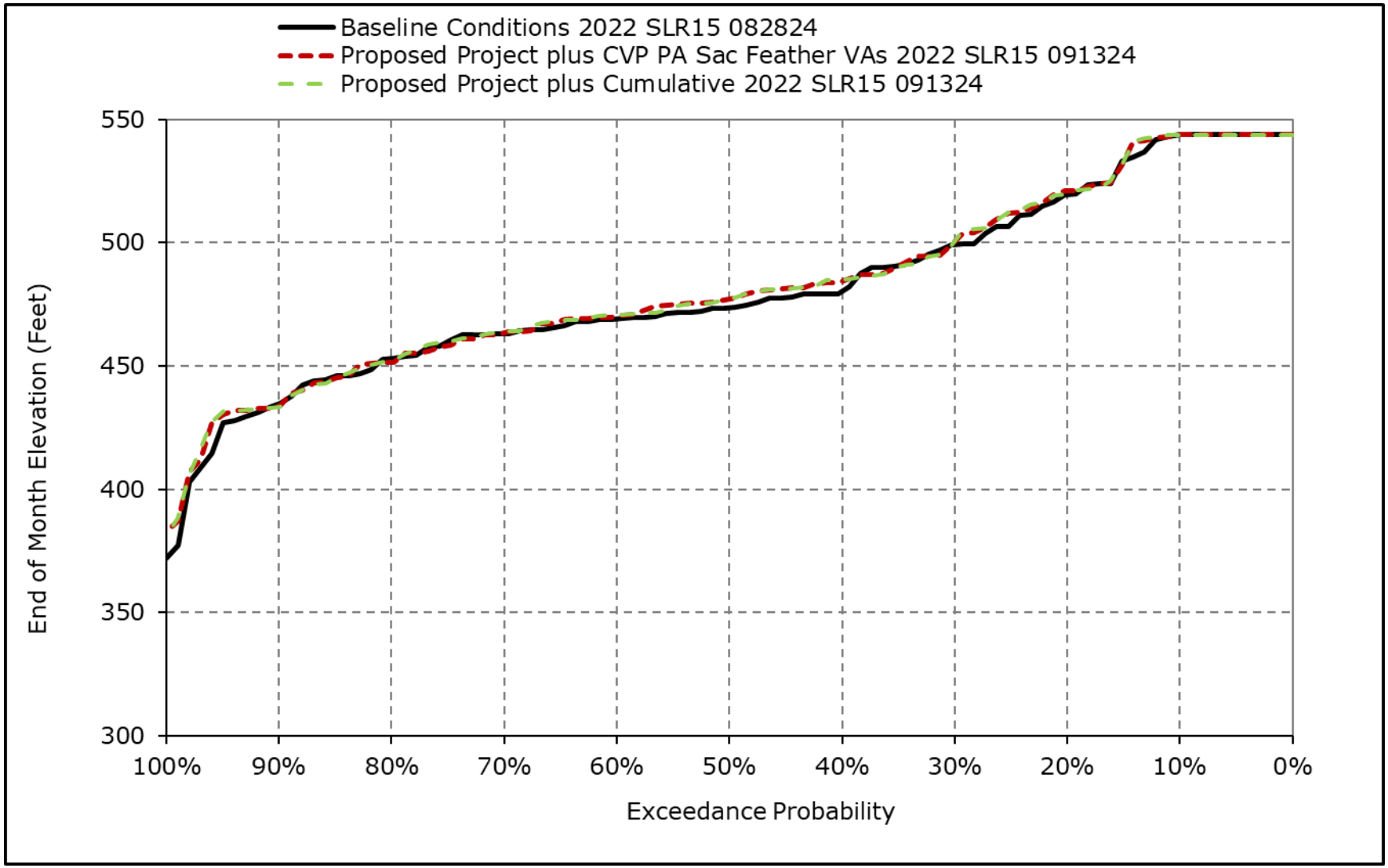
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure 4H-1-3d. San Luis Reservoir (SWP and CVP), January



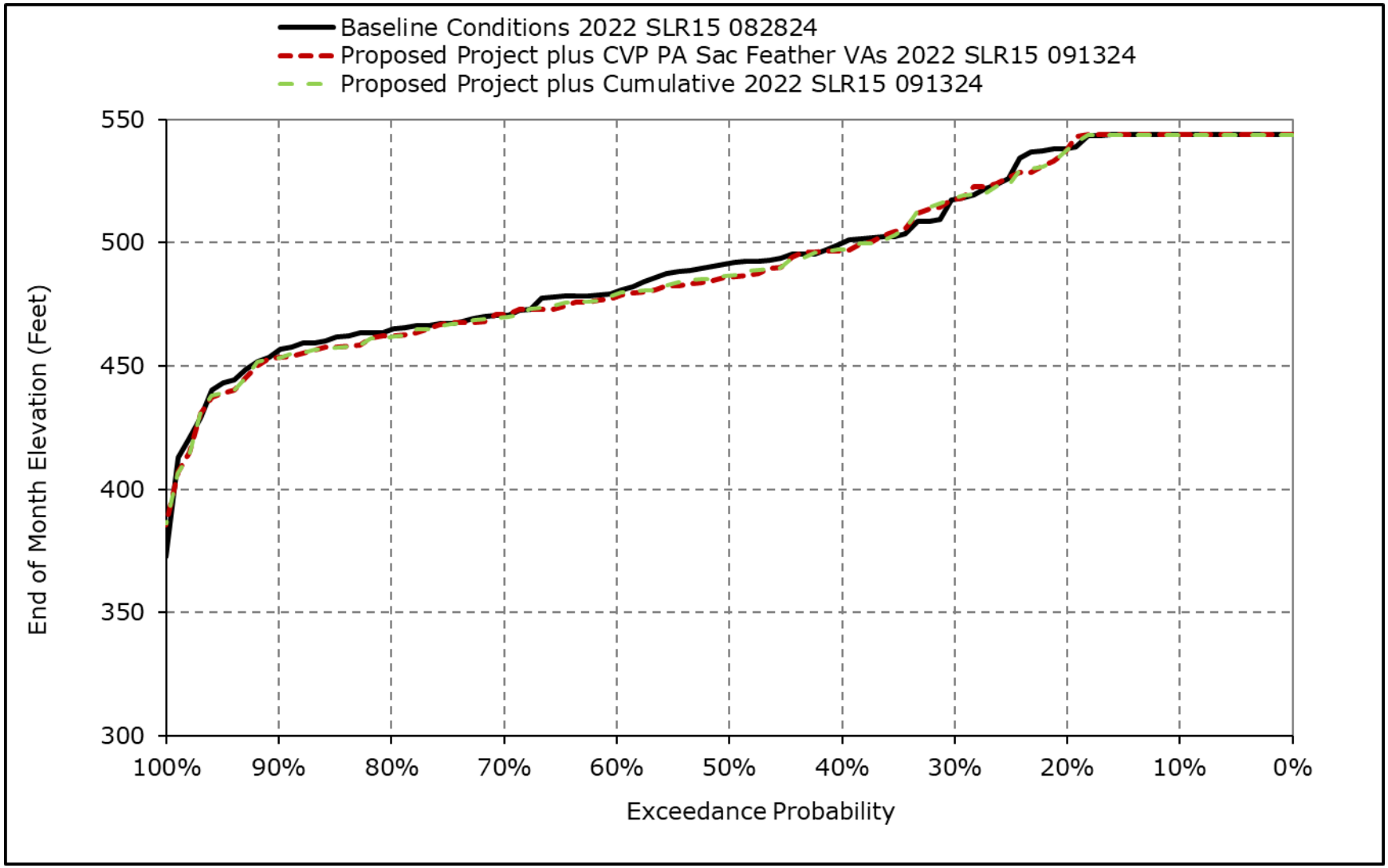
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure 4H-1-3e. San Luis Reservoir (SWP and CVP), February



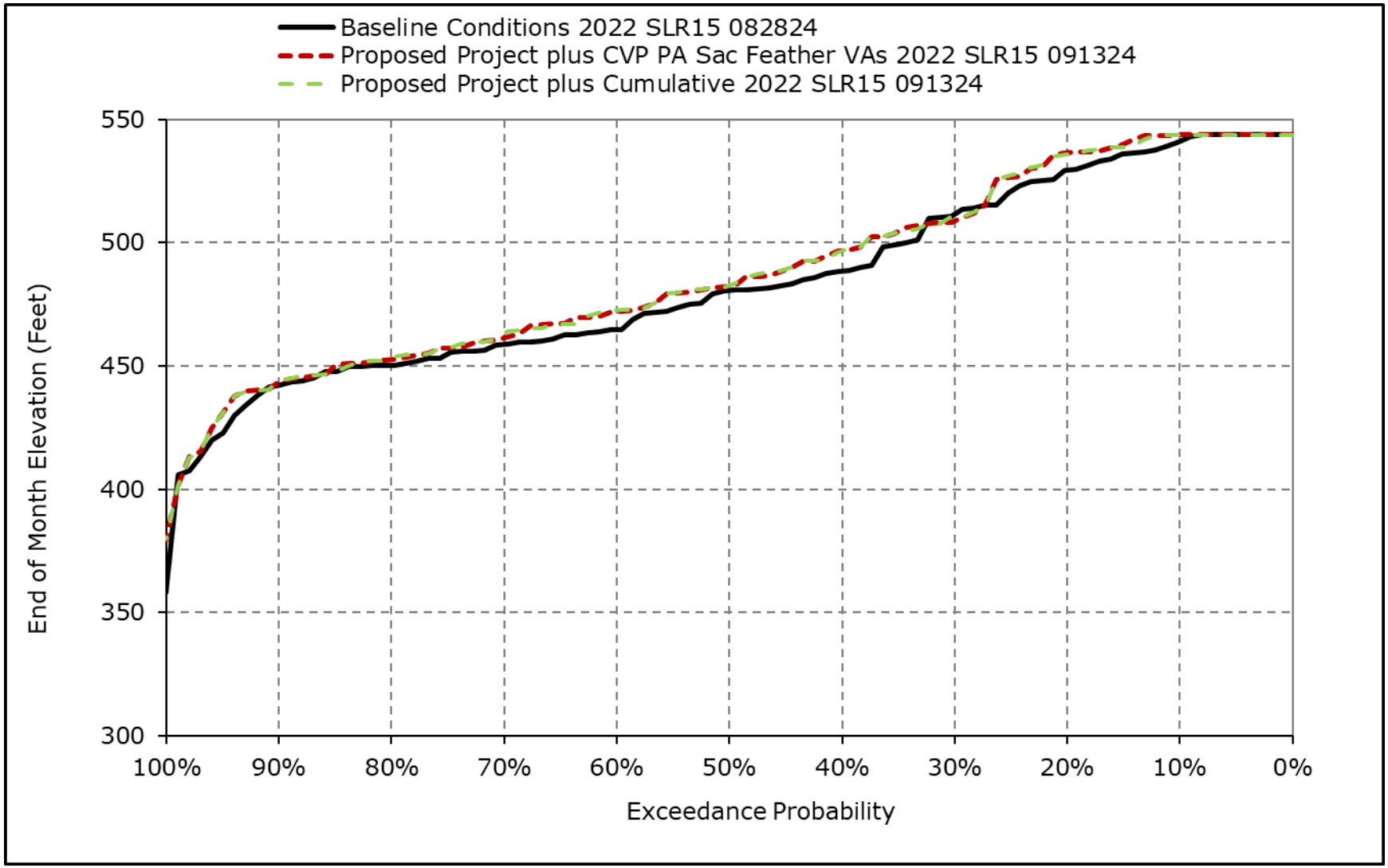
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure 4H-1-3f. San Luis Reservoir (SWP and CVP), March



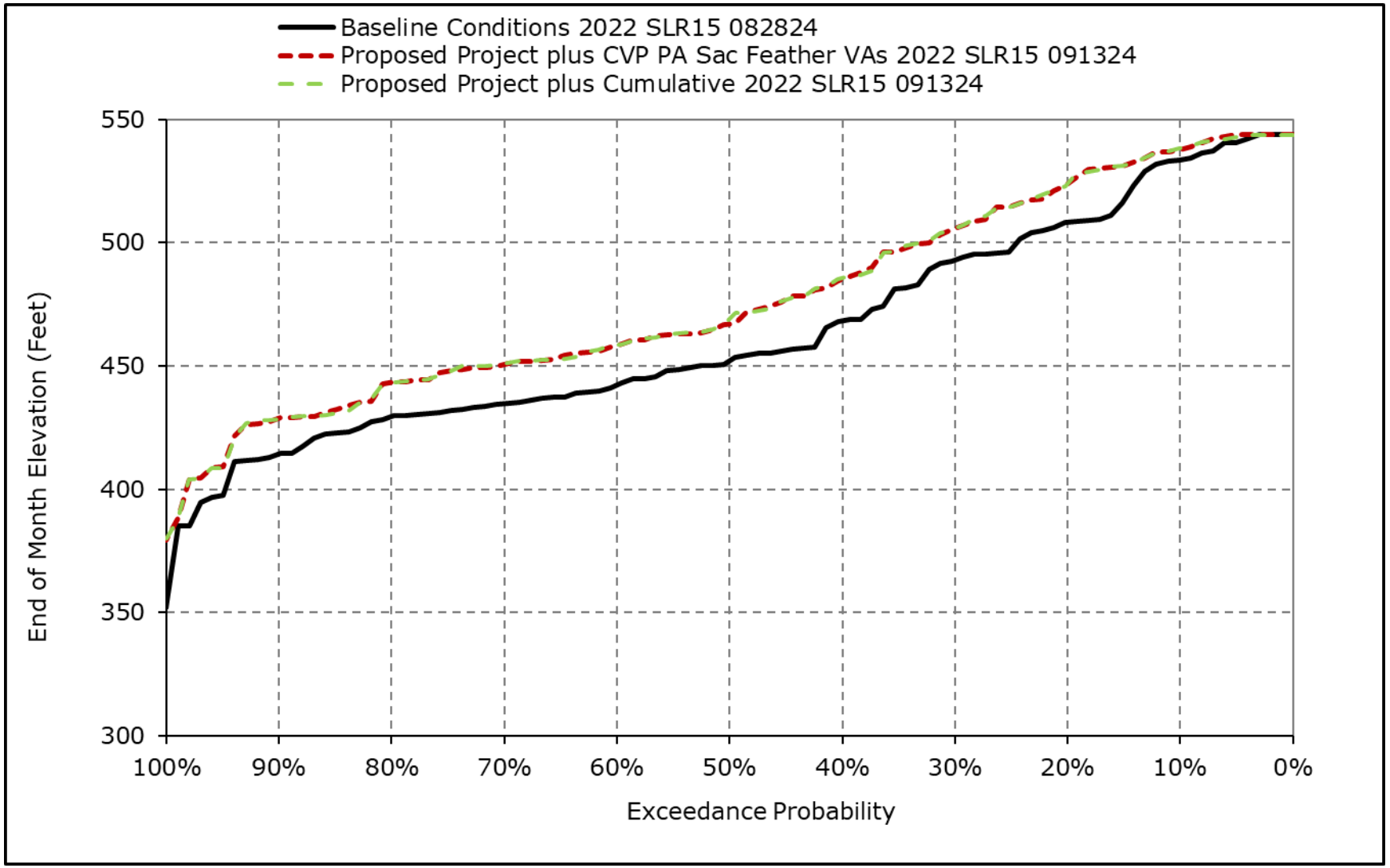
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure 4H-1-3g. San Luis Reservoir (SWP and CVP), April



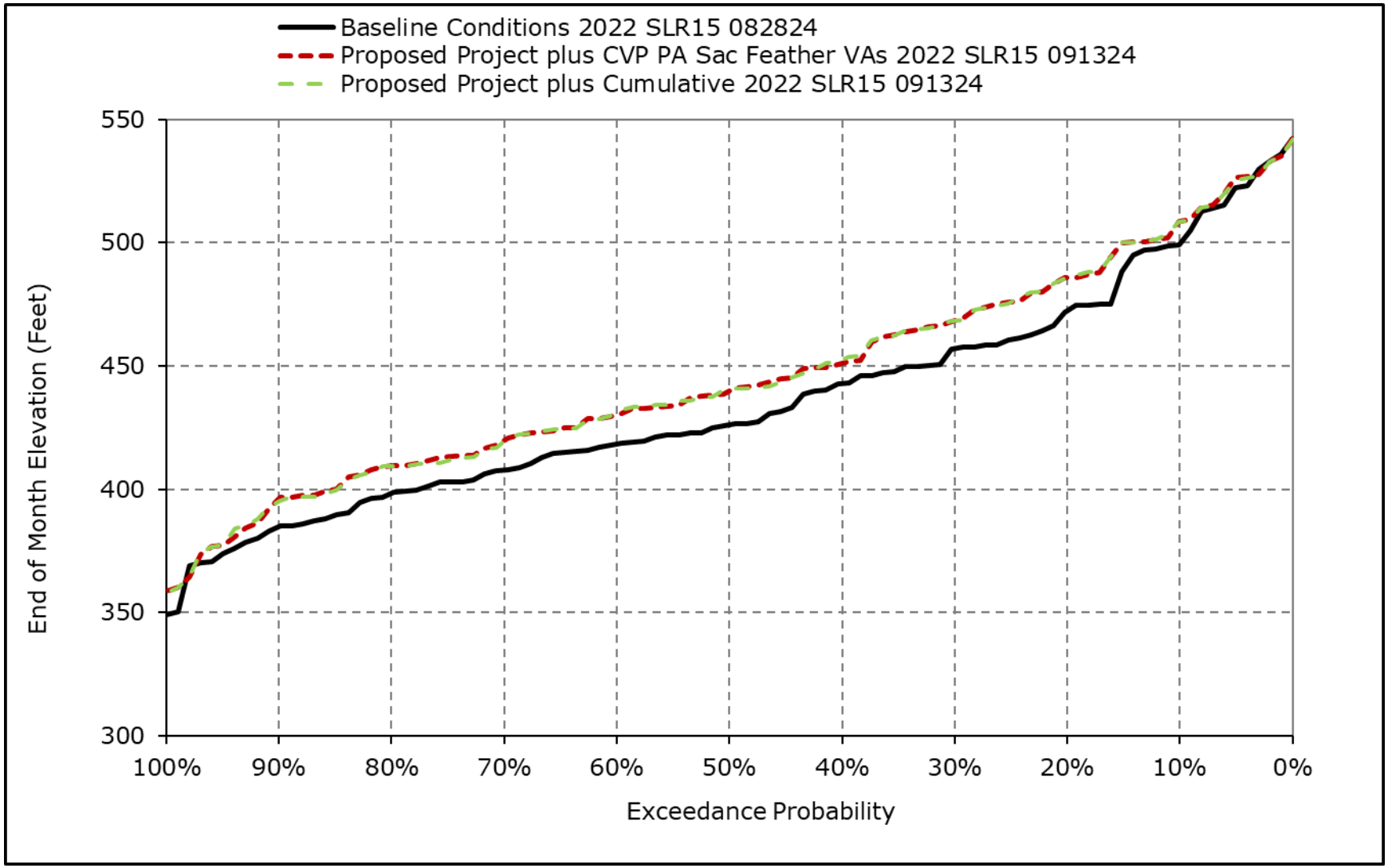
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure 4H-1-3h. San Luis Reservoir (SWP and CVP), May



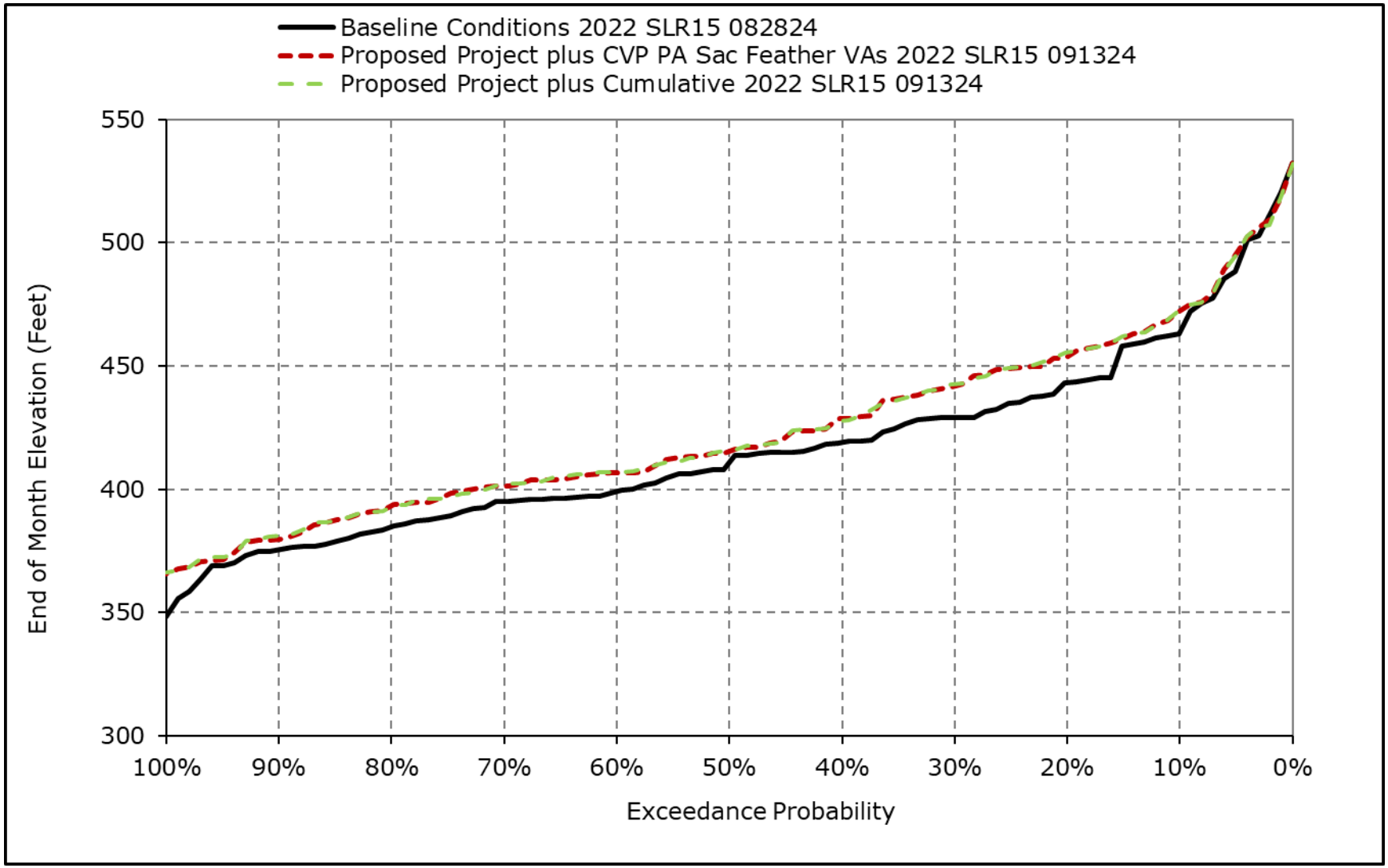
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure 4H-1-3i. San Luis Reservoir (SWP and CVP), June



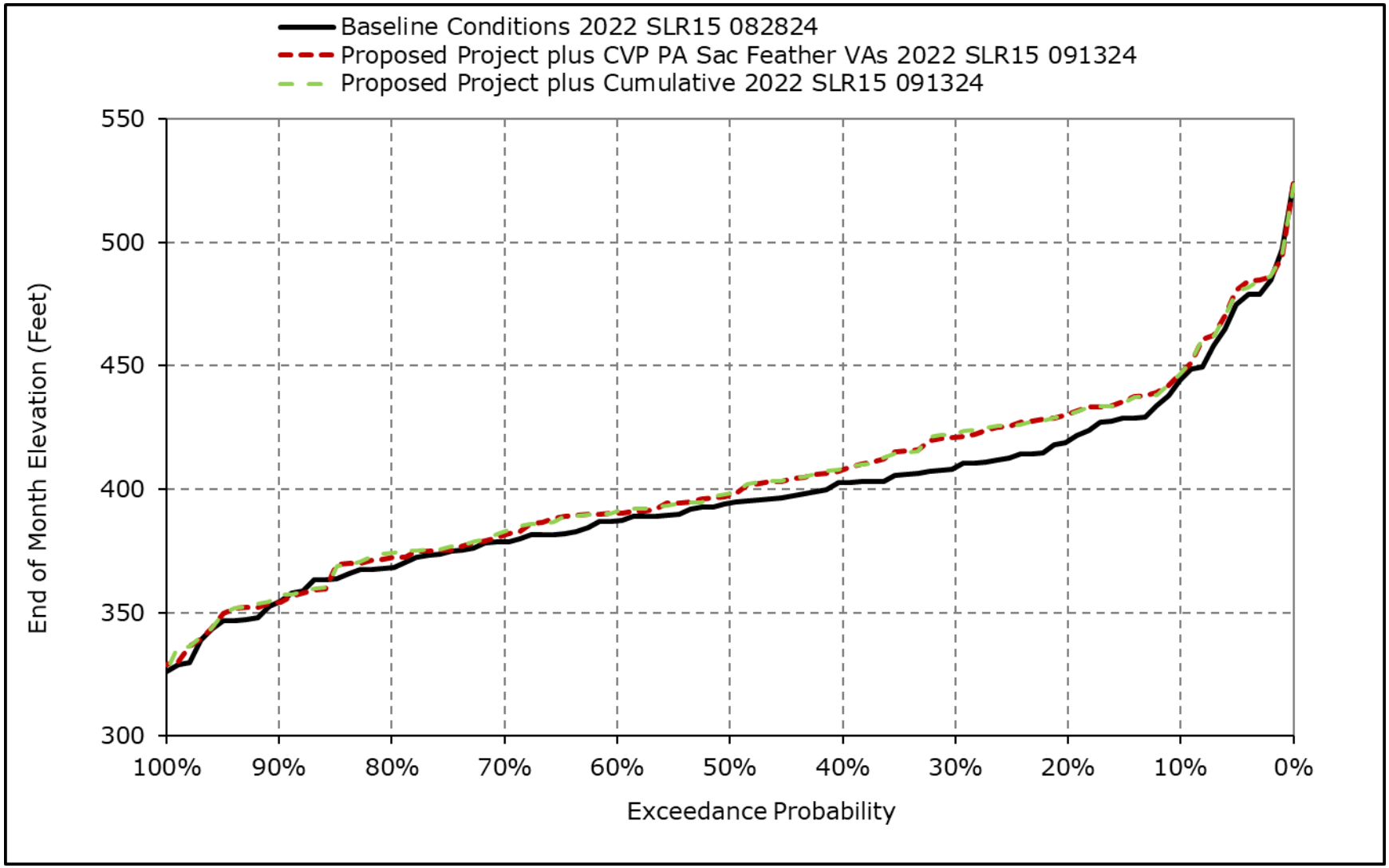
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure 4H-1-3j. San Luis Reservoir (SWP and CVP), July



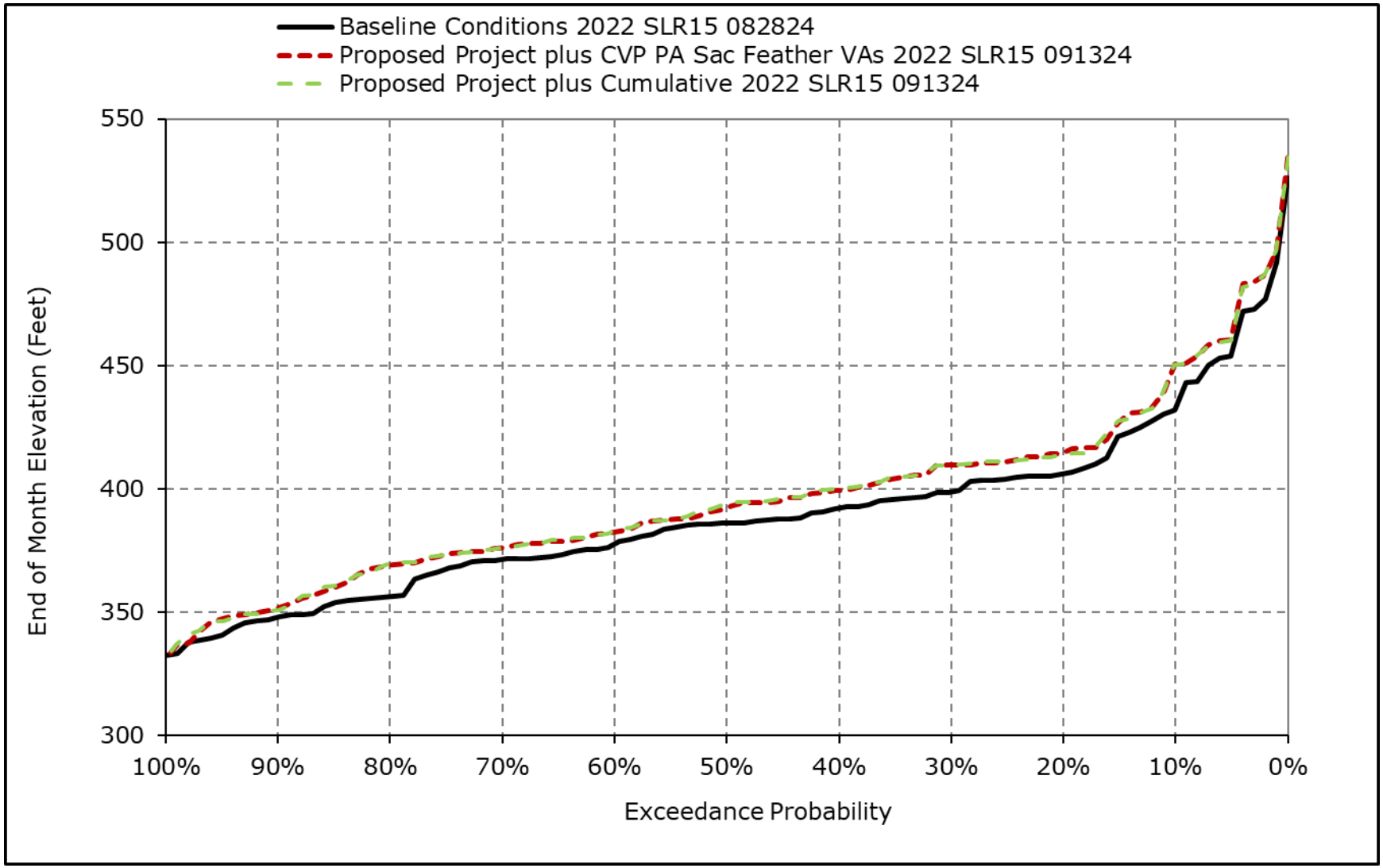
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure 4H-1-3k. San Luis Reservoir (SWP and CVP), August



*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure 4H-1-3l. San Luis Reservoir (SWP and CVP), September



*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.