

**Appendix 11M7 Side-channel Habitat
Inundation Frequencies for
Reach 1**

Appendix 11M-7. Sacramento River Side-Channel Inundation Events for Reach 1

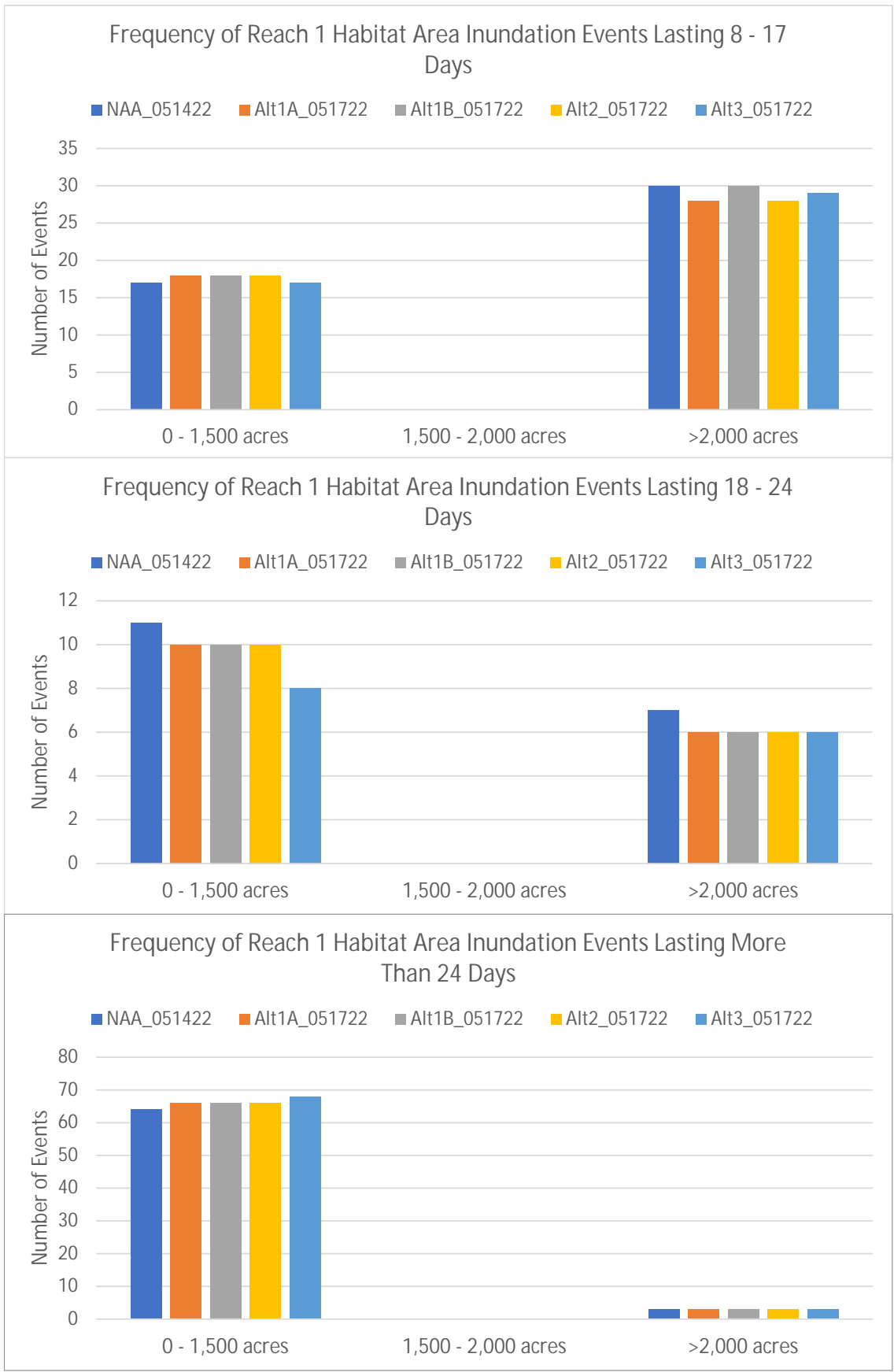
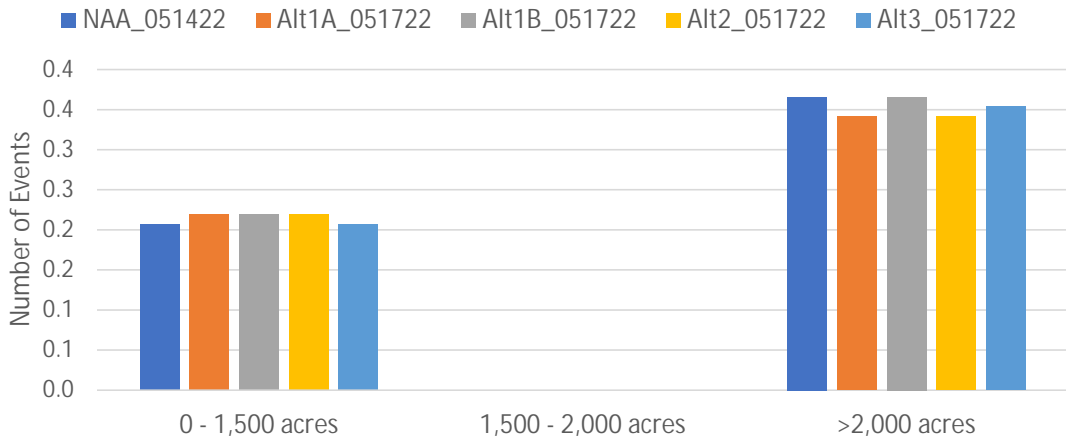


Table 1. Frequency of Reach 1 Habitat Area Inundation Events.

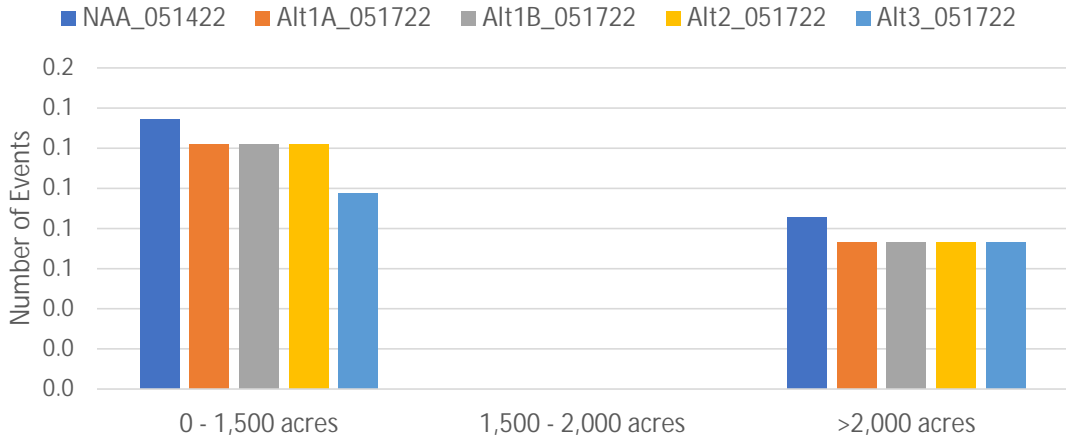
Frequency of Reach 1 Habitat Area Inundation Events Lasting 8 - 17 Days													
Area Range	NAA_051422	ALT1A_051722	ALT1A_051722 minus NAA_051422	Percent Change	ALT1B_051722	ALT1B_051722 minus NAA_051422	Percent Change	ALT2_051722	ALT2_051722 minus NAA_051422	Percent Change	ALT3_051722	ALT3_051722 minus NAA_051422	Percent Change
0 - 1,500 acres	17	18	1	6%	18	1	6%	18	1	6%	17	0	0%
1,500 - 2,000 acres	0	0	0	-	0	0	-	0	0	-	0	0	-
>2,000 acres	30	28	-2	-7%	30	0	0%	28	-2	-7%	29	-1	-3%
Frequency of Reach 1 Habitat Area Inundation Events Lasting 18 - 24 Days													
Area Range	NAA_051422	ALT1A_051722	ALT1A_051722 minus NAA_051422	Percent Change	ALT1B_051722	ALT1B_051722 minus NAA_051422	Percent Change	ALT2_051722	ALT2_051722 minus NAA_051422	Percent Change	ALT3_051722	ALT3_051722 minus NAA_051422	Percent Change
0 - 1,500 acres	11	10	-1	-9%	10	-1	-9%	10	-1	-9%	8	-3	-27%
1,500 - 2,000 acres	0	0	0	-	0	0	-	0	0	-	0	0	-
>2,000 acres	7	6	-1	-14%	6	-1	-14%	6	-1	-14%	6	-1	-14%
Frequency of Reach 1 Habitat Area Inundation Events Lasting More Than 24 Days													
Area Range	NAA_051422	ALT1A_051722	ALT1A_051722 minus NAA_051422	Percent Change	ALT1B_051722	ALT1B_051722 minus NAA_051422	Percent Change	ALT2_051722	ALT2_051722 minus NAA_051422	Percent Change	ALT3_051722	ALT3_051722 minus NAA_051422	Percent Change
0 - 1,500 acres	64	66	2	3%	66	2	3%	66	2	3%	68	4	6%
1,500 - 2,000 acres	0	0	0	-	0	0	-	0	0	-	0	0	-
>2,000 acres	3	3	0	0%	3	0	0%	3	0	0%	3	0	0%

*Based on total number of events in 82 year simulation period.

Average Annual Reach 1 Habitat Area Inundation Events Lasting 8 - 17 Days



Average Annual Reach 1 Habitat Area Inundation Events Lasting 18 - 24 Days



Average Annual Reach 1 Habitat Area Inundation Events Lasting More Than 24 Days

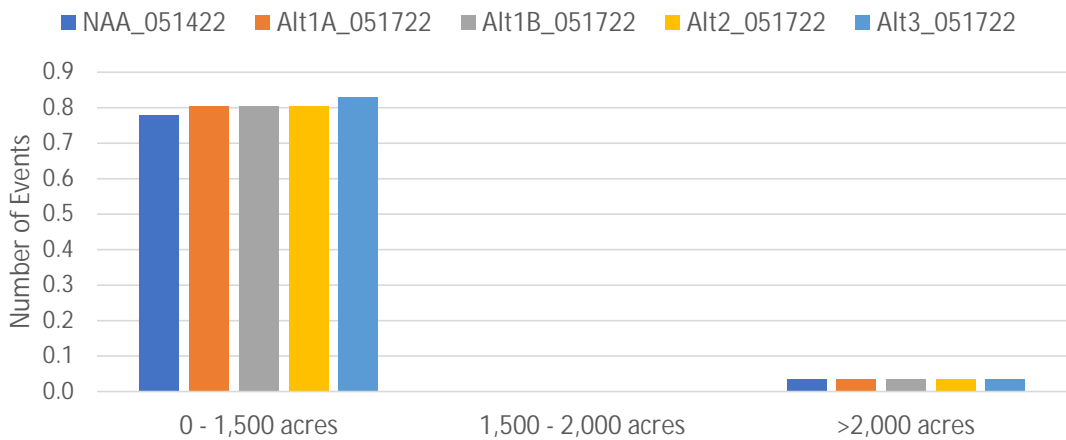


Table 5. Average Annual Reach 1 Habitat Area Inundation Events.

Average Annual Reach 1 Habitat Area Inundation Events Lasting 8 - 17 Days													
Area Range	NAA_051422	ALT1A_051722	ALT1A_051722 minus NAA_051422	Percent Change	ALT1B_051722	ALT1B_051722 minus NAA_051422	Percent Change	ALT2_051722	ALT2_051722 minus NAA_051422	Percent Change	ALT3_051722	ALT3_051722 minus NAA_051422	Percent Change
0 - 1,500 acres	0.21	0.22	0.01	6%	0.22	0.01	6%	0.22	0.01	6%	0.21	0.00	0%
1,500 - 2,000 acres	0.00	0.00	0.00	-	0.00	0.00	-	0.00	0.00	-	0.00	0.00	-
>2,000 acres	0.37	0.34	-0.02	-7%	0.37	0.00	0%	0.34	-0.02	-7%	0.35	-0.01	-3%
Average Annual Reach 1 Habitat Area Inundation Events Lasting 18 - 24 Days													
Area Range	NAA_051422	ALT1A_051722	ALT1A_051722 minus NAA_051422	Percent Change	ALT1B_051722	ALT1B_051722 minus NAA_051422	Percent Change	ALT2_051722	ALT2_051722 minus NAA_051422	Percent Change	ALT3_051722	ALT3_051722 minus NAA_051422	Percent Change
0 - 1,500 acres	0.13	0.12	-0.01	-9%	0.12	-0.01	-9%	0.12	-0.01	-9%	0.10	-0.04	-27%
1,500 - 2,000 acres	0.00	0.00	0.00	-	0.00	0.00	-	0.00	0.00	-	0.00	0.00	-
>2,000 acres	0.09	0.07	-0.01	-14%	0.07	-0.01	-14%	0.07	-0.01	-14%	0.07	-0.01	-14%
Average Annual Reach 1 Habitat Area Inundation Events Lasting More Than 24 Days													
Area Range	NAA_051422	ALT1A_051722	ALT1A_051722 minus NAA_051422	Percent Change	ALT1B_051722	ALT1B_051722 minus NAA_051422	Percent Change	ALT2_051722	ALT2_051722 minus NAA_051422	Percent Change	ALT3_051722	ALT3_051722 minus NAA_051422	Percent Change
0 - 1,500 acres	0.78	0.80	0.02	3%	0.80	0.02	3%	0.80	0.02	3%	0.83	0.05	6%
1,500 - 2,000 acres	0.00	0.00	0.00	-	0.00	0.00	-	0.00	0.00	-	0.00	0.00	-
>2,000 acres	0.04	0.04	0.00	0%	0.04	0.00	0%	0.04	0.00	0%	0.04	0.00	0%

*Based on total events in 82 year simulation period.