

Appendix 11M6 Side-channel Habitat Inundation Frequencies

Appendix 11M-6, Average Monthly and Average Annual of Sacramento River Side-Channel Inundation Events (Three River Reaches Combined) with Three Different Ranges of Duration and Four Ranges of Suitable Habitat Acreages for the NAA and Alt 1A, Alt 1B, Alt 2, and Alt 3.

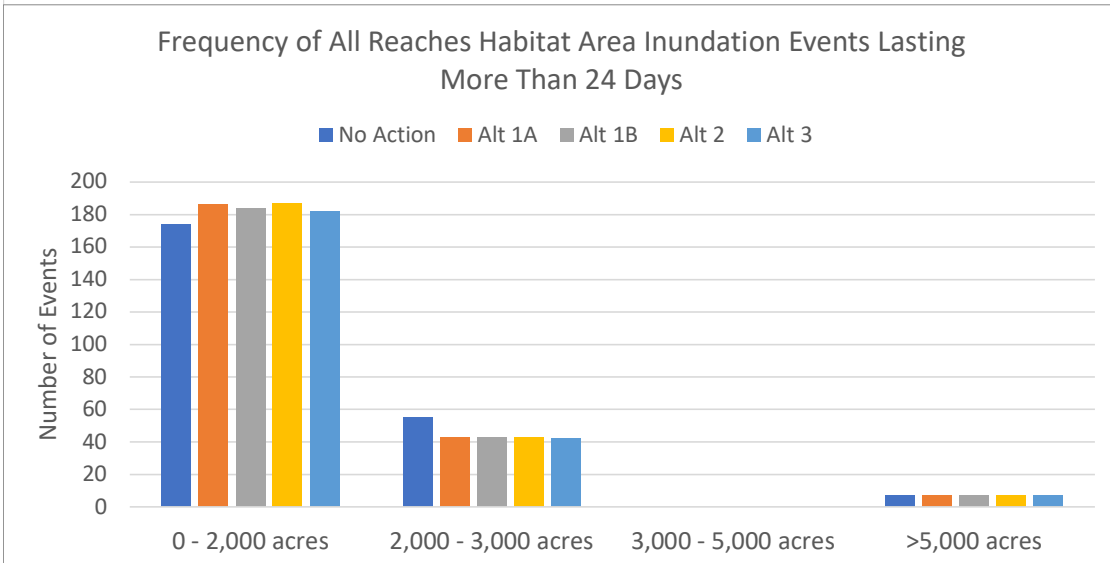
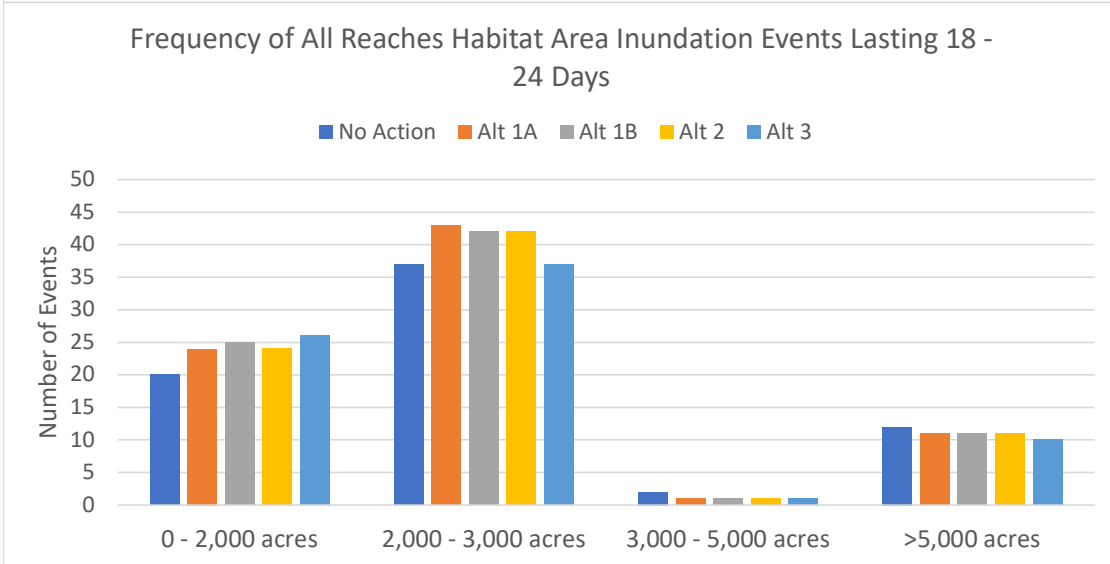
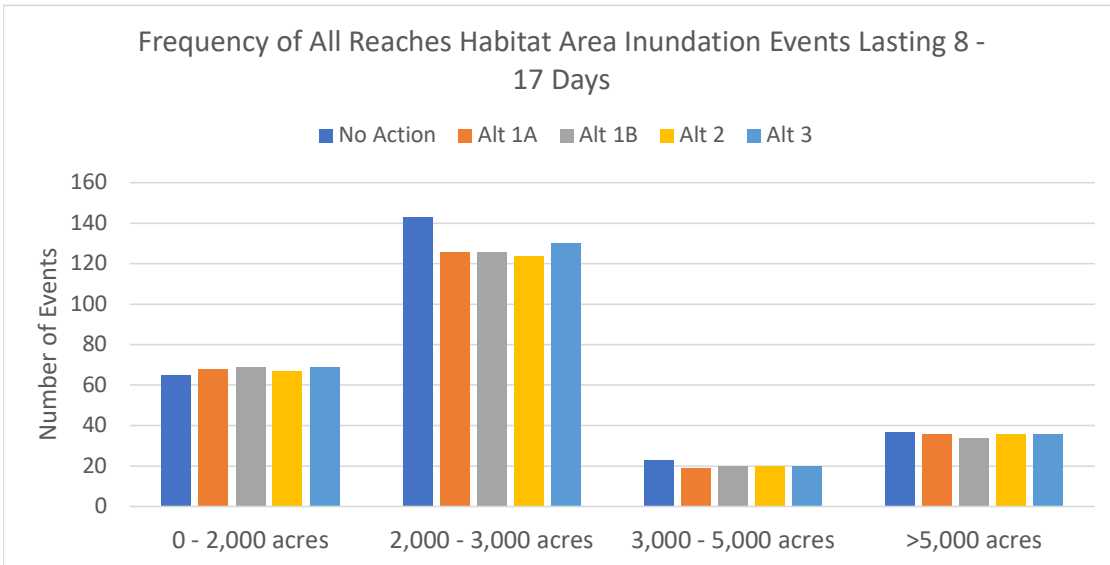


Table 1. Frequency of All Reaches Habitat Area Inundation Events.

Frequency of All Reaches Habitat Area Inundation Events Lasting 8 - 17 Days													
Area Range	No Action	Alt 1A	Alt 1A minus No Action	Percent Change	Alt 1B	Alt 1B minus No Action	Percent Change	Alt 2	Alt 2 minus No Action	Percent Change	Alt 3	Alt 3 minus No Action	Percent Change
0 - 2,000 acres	65	68	3	5%	69	4	6%	67	2	3%	69	4	6%
2,000 - 3,000 acres	143	126	-17	-12%	126	-17	-12%	124	-19	-13%	130	-13	-9%
3,000 - 5,000 acres	23	19	-4	-17%	20	-3	-13%	20	-3	-13%	20	-3	-13%
>5,000 acres	37	36	-1	-3%	34	-3	-8%	36	-1	-3%	36	-1	-3%
Frequency of All Reaches Habitat Area Inundation Events Lasting 18 - 24 Days													
Area Range	No Action	Alt 1A	Alt 1A minus No Action	Percent Change	Alt 1B	Alt 1B minus No Action	Percent Change	Alt 2	Alt 2 minus No Action	Percent Change	Alt 3	Alt 3 minus No Action	Percent Change
0 - 2,000 acres	20	24	4	20%	25	5	25%	24	4	20%	26	6	30%
2,000 - 3,000 acres	37	43	6	16%	42	5	14%	42	5	14%	37	0	0%
3,000 - 5,000 acres	2	1	-1	-50%	1	-1	-50%	1	-1	-50%	1	-1	-50%
>5,000 acres	12	11	-1	-8%	11	-1	-8%	11	-1	-8%	10	-2	-17%
Frequency of All Reaches Habitat Area Inundation Events Lasting More Than 24 Days													
Area Range	No Action	Alt 1A	Alt 1A minus No Action	Percent Change	Alt 1B	Alt 1B minus No Action	Percent Change	Alt 2	Alt 2 minus No Action	Percent Change	Alt 3	Alt 3 minus No Action	Percent Change
0 - 2,000 acres	174	186	12	7%	184	10	6%	187	13	7%	182	8	5%
2,000 - 3,000 acres	55	43	-12	-22%	43	-12	-22%	43	-12	-22%	42	-13	-24%
3,000 - 5,000 acres	0	0	0	-	0	0	-	0	0	-	0	0	-
>5,000 acres	7	7	0	0%	7	0	0%	7	0	0%	7	0	0%

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

Table 2. Monthly Summary of Frequency of All Reaches Habitat Area Inundation Events Lasting 8 - 17 Days

Frequency of All Reaches Habitat Area Inundation Events Lasting 8 - 17 Days in October													
Area Range	No Action	Alt 1A	Alt 1A minus No Action	Percent Change	Alt 1B	Alt 1B minus No Action	Percent Change	Alt 2	Alt 2 minus No Action	Percent Change	Alt 3	Alt 3 minus No Action	Percent Change
0 - 2,000 acres	1	1	0	0%	1	0	0%	1	0	0%	1	0	0%
2,000 - 3,000 acres	1	1	0	0%	1	0	0%	1	0	0%	1	0	0%
3,000 - 5,000 acres	0	0	0	-	0	0	-	0	0	-	0	0	-
>5,000 acres	0	0	0	-	0	0	-	0	0	-	0	0	-
Frequency of All Reaches Habitat Area Inundation Events Lasting 8 - 17 Days in November													
Area Range	No Action	Alt 1A	Alt 1A minus No Action	Percent Change	Alt 1B	Alt 1B minus No Action	Percent Change	Alt 2	Alt 2 minus No Action	Percent Change	Alt 3	Alt 3 minus No Action	Percent Change
0 - 2,000 acres	7	6	-1	-14%	7	0	0%	6	-1	-14%	5	-2	-29%
2,000 - 3,000 acres	3	3	0	0%	3	0	0%	4	1	33%	5	2	67%
3,000 - 5,000 acres	0	0	0	-	0	0	-	0	0	-	0	0	-
>5,000 acres	1	1	0	0%	1	0	0%	1	0	0%	1	0	0%
Frequency of All Reaches Habitat Area Inundation Events Lasting 8 - 17 Days in December													
Area Range	No Action	Alt 1A	Alt 1A minus No Action	Percent Change	Alt 1B	Alt 1B minus No Action	Percent Change	Alt 2	Alt 2 minus No Action	Percent Change	Alt 3	Alt 3 minus No Action	Percent Change
0 - 2,000 acres	11	12	1	9%	13	2	18%	12	1	9%	13	2	18%
2,000 - 3,000 acres	25	24	-1	-4%	23	-2	-8%	24	-1	-4%	21	-4	-16%
3,000 - 5,000 acres	3	3	0	0%	3	0	0%	3	0	0%	3	0	0%
>5,000 acres	6	6	0	0%	6	0	0%	6	0	0%	6	0	0%
Frequency of All Reaches Habitat Area Inundation Events Lasting 8 - 17 Days in January													
Area Range	No Action	Alt 1A	Alt 1A minus No Action	Percent Change	Alt 1B	Alt 1B minus No Action	Percent Change	Alt 2	Alt 2 minus No Action	Percent Change	Alt 3	Alt 3 minus No Action	Percent Change
0 - 2,000 acres	13	13	0	0%	13	0	0%	13	0	0%	13	0	0%
2,000 - 3,000 acres	23	17	-6	-26%	19	-4	-17%	18	-5	-22%	19	-4	-17%
3,000 - 5,000 acres	5	2	-3	-60%	2	-3	-60%	2	-3	-60%	2	-3	-60%
>5,000 acres	6	6	0	0%	5	-1	-17%	6	0	0%	6	0	0%
Frequency of All Reaches Habitat Area Inundation Events Lasting 8 - 17 Days in February													
Area Range	No Action	Alt 1A	Alt 1A minus No Action	Percent Change	Alt 1B	Alt 1B minus No Action	Percent Change	Alt 2	Alt 2 minus No Action	Percent Change	Alt 3	Alt 3 minus No Action	Percent Change
0 - 2,000 acres	11	12	1	9%	11	0	0%	12	1	9%	12	1	9%
2,000 - 3,000 acres	22	22	0	0%	22	0	0%	21	-1	-5%	23	1	5%
3,000 - 5,000 acres	5	4	-1	-20%	5	0	0%	5	0	0%	5	0	0%
>5,000 acres	13	12	-1	-8%	11	-2	-15%	12	-1	-8%	11	-2	-15%
Frequency of All Reaches Habitat Area Inundation Events Lasting 8 - 17 Days in March													
Area Range	No Action	Alt 1A	Alt 1A minus No Action	Percent Change	Alt 1B	Alt 1B minus No Action	Percent Change	Alt 2	Alt 2 minus No Action	Percent Change	Alt 3	Alt 3 minus No Action	Percent Change
0 - 2,000 acres	10	14	4	40%	14	4	40%	13	3	30%	13	3	30%
2,000 - 3,000 acres	30	26	-4	-13%	25	-5	-17%	24	-6	-20%	27	-3	-10%
3,000 - 5,000 acres	5	5	0	0%	5	0	0%	5	0	0%	5	0	0%
>5,000 acres	7	6	-1	-14%	6	-1	-14%	6	-1	-14%	6	-1	-14%
Frequency of All Reaches Habitat Area Inundation Events Lasting 8 - 17 Days in April													
Area Range	No Action	Alt 1A	Alt 1A minus No Action	Percent Change	Alt 1B	Alt 1B minus No Action	Percent Change	Alt 2	Alt 2 minus No Action	Percent Change	Alt 3	Alt 3 minus No Action	Percent Change
0 - 2,000 acres	7	7	0	0%	7	0	0%	7	0	0%	9	2	29%
2,000 - 3,000 acres	16	13	-3	-19%	13	-3	-19%	12	-4	-25%	14	-2	-13%
3,000 - 5,000 acres	5	4	-1	-20%	4	-1	-20%	4	-1	-20%	4	-1	-20%
>5,000 acres	4	5	1	25%	5	1	25%	5	1	25%	6	2	50%
Frequency of All Reaches Habitat Area Inundation Events Lasting 8 - 17 Days in May													
Area Range	No Action	Alt 1A	Alt 1A minus No Action	Percent Change	Alt 1B	Alt 1B minus No Action	Percent Change	Alt 2	Alt 2 minus No Action	Percent Change	Alt 3	Alt 3 minus No Action	Percent Change
0 - 2,000 acres	3	3	0	0%	3	0	0%	3	0	0%	3	0	0%
2,000 - 3,000 acres	12	10	-2	-17%	10	-2	-17%	10	-2	-17%	11	-1	-8%
3,000 - 5,000 acres	0	1	1	-	1	1	-	1	1	-	1	1	-
>5,000 acres	0	0	0	0%	0	0	0%	0	0	0%	0	0	0%
Frequency of All Reaches Habitat Area Inundation Events Lasting 8 - 17 Days in June													
Area Range	No Action	Alt 1A	Alt 1A minus No Action	Percent Change	Alt 1B	Alt 1B minus No Action	Percent Change	Alt 2	Alt 2 minus No Action	Percent Change	Alt 3	Alt 3 minus No Action	Percent Change
0 - 2,000 acres	2	0	-2	-100%	0	-2	-100%	0	-2	-100%	0	-2	-100%
2,000 - 3,000 acres	3	2	-1	-33%	2	-1	-33%	3	0	0%	3	0	0%
3,000 - 5,000 acres	0	0	0	-	0	0	-	0	0	-	0	0	-
>5,000 acres	0	0	0	-	0	0	-	0	0	-	0	0	-
Frequency of All Reaches Habitat Area Inundation Events Lasting 8 - 17 Days in July													
Area Range	No Action	Alt 1A	Alt 1A minus No Action	Percent Change	Alt 1B	Alt 1B minus No Action	Percent Change	Alt 2	Alt 2 minus No Action	Percent Change	Alt 3	Alt 3 minus No Action	Percent Change
0 - 2,000 acres	0	0	0	-	0	0	-	0	0	-	0	0	-
2,000 - 3,000 acres	5	6	1	20%	5	0	0%	4	-1	-20%	4	-1	-20%
3,000 - 5,000 acres	0	0	0	-	0	0	-	0	0	-	0	0	-
>5,000 acres	0	0	0	0%	0	0	0%	0	0	0%	0	0	0%
Frequency of All Reaches Habitat Area Inundation Events Lasting 8 - 17 Days in August													
Area Range	No Action	Alt 1A	Alt 1A minus No Action	Percent Change	Alt 1B	Alt 1B minus No Action	Percent Change	Alt 2	Alt 2 minus No Action	Percent Change	Alt 3	Alt 3 minus No Action	Percent Change
0 - 2,000 acres	0	0	0	-	0	0	-	0	0	-	0	0	-
2,000 - 3,000 acres	0	0	0	-	0	0	-	0	0	-	0	0	-
3,000 - 5,000 acres	0	0	0	-	0	0	-	0	0	-	0	0	-
>5,000 acres	0	0	0	-	0	0	-	0	0	-	0	0	-
Frequency of All Reaches Habitat Area Inundation Events Lasting 8 - 17 Days in September													
Area Range	No Action	Alt 1A	Alt 1A minus No Action	Percent Change	Alt 1B	Alt 1B minus No Action	Percent Change	Alt 2	Alt 2 minus No Action	Percent Change	Alt 3	Alt 3 minus No Action	Percent Change
0 - 2,000 acres	0	0	0	-	0	0	-	0	0	-	0	0	-
2,000 - 3,000 acres	3	2	-1	-33%	3	0	0%	3	0	0%	2	-1	-33%
3,000 - 5,000 acres	0	0	0	-	0	0	-	0	0	-	0	0	-
>5,000 acres	0	0	0	-	0	0	-	0	0	-	0	0	-

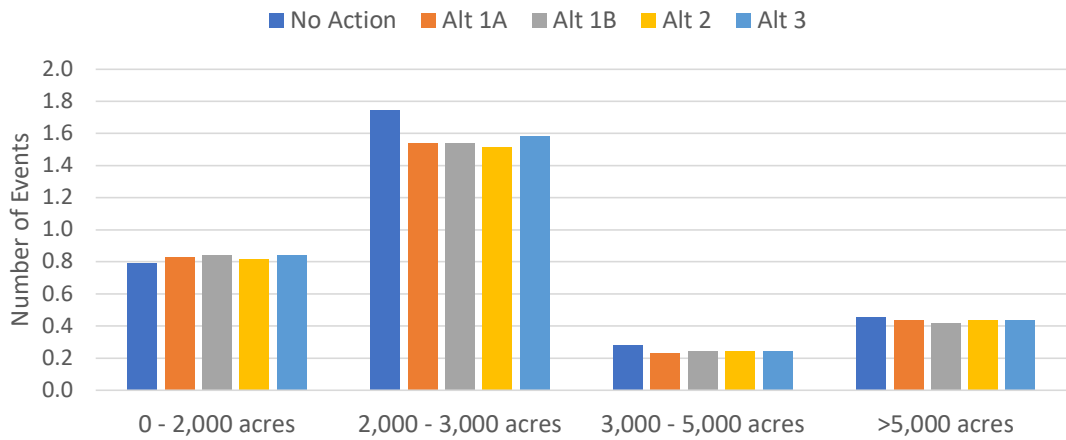
Table 3. Monthly Summary of Frequency of All Reaches Habitat Area Inundation Events Lasting 18 - 24 Days

Frequency of All Reaches Habitat Area Inundation Events Lasting 18 - 24 Days in October													
Area Range	No Action	Alt 1A	Alt 1A minus No Action	Percent Change	Alt 1B	Alt 1B minus No Action	Percent Change	Alt 2	Alt 2 minus No Action	Percent Change	Alt 3	Alt 3 minus No Action	Percent Change
0 - 2,000 acres	0	0	0	-	0	0	-	0	0	-	0	0	-
2,000 - 3,000 acres	0	0	0	-	0	0	-	0	0	-	0	0	-
3,000 - 5,000 acres	0	0	0	-	0	0	-	0	0	-	0	0	-
>5,000 acres	0	0	0	-	0	0	-	0	0	-	0	0	-
Frequency of All Reaches Habitat Area Inundation Events Lasting 18 - 24 Days in November													
Area Range	No Action	Alt 1A	Alt 1A minus No Action	Percent Change	Alt 1B	Alt 1B minus No Action	Percent Change	Alt 2	Alt 2 minus No Action	Percent Change	Alt 3	Alt 3 minus No Action	Percent Change
0 - 2,000 acres	3	1	-2	-67%	1	-2	-67%	1	-2	-67%	1	-2	-67%
2,000 - 3,000 acres	2	2	0	0%	2	0	0%	1	-1	-50%	1	-1	-50%
3,000 - 5,000 acres	0	0	0	-	0	0	-	0	0	-	0	0	-
>5,000 acres	0	0	0	-	0	0	-	0	0	-	0	0	-
Frequency of All Reaches Habitat Area Inundation Events Lasting 18 - 24 Days in December													
Area Range	No Action	Alt 1A	Alt 1A minus No Action	Percent Change	Alt 1B	Alt 1B minus No Action	Percent Change	Alt 2	Alt 2 minus No Action	Percent Change	Alt 3	Alt 3 minus No Action	Percent Change
0 - 2,000 acres	2	2	0	0%	2	0	0%	2	0	0%	2	0	0%
2,000 - 3,000 acres	2	2	0	0%	2	0	0%	2	0	0%	2	0	0%
3,000 - 5,000 acres	0	0	0	-	0	0	-	0	0	-	0	0	-
>5,000 acres	0	1	1	-	1	1	-	1	1	-	1	1	-
Frequency of All Reaches Habitat Area Inundation Events Lasting 18 - 24 Days in January													
Area Range	No Action	Alt 1A	Alt 1A minus No Action	Percent Change	Alt 1B	Alt 1B minus No Action	Percent Change	Alt 2	Alt 2 minus No Action	Percent Change	Alt 3	Alt 3 minus No Action	Percent Change
0 - 2,000 acres	5	5	0	0%	5	0	0%	5	0	0%	5	0	0%
2,000 - 3,000 acres	5	7	2	40%	7	2	40%	6	1	20%	7	2	40%
3,000 - 5,000 acres	0	0	0	-	0	0	-	0	0	-	0	0	-
>5,000 acres	5	4	-1	-20%	4	-1	-20%	4	-1	-20%	4	-1	-20%
Frequency of All Reaches Habitat Area Inundation Events Lasting 18 - 24 Days in February													
Area Range	No Action	Alt 1A	Alt 1A minus No Action	Percent Change	Alt 1B	Alt 1B minus No Action	Percent Change	Alt 2	Alt 2 minus No Action	Percent Change	Alt 3	Alt 3 minus No Action	Percent Change
0 - 2,000 acres	1	4	3	300%	5	4	400%	4	3	300%	5	4	400%
2,000 - 3,000 acres	7	4	-3	-43%	4	-3	-43%	4	-3	-43%	3	-4	-57%
3,000 - 5,000 acres	1	1	0	0%	1	0	0%	1	0	0%	1	0	0%
>5,000 acres	2	1	-1	-50%	1	-1	-50%	1	-1	-50%	1	-1	-50%
Frequency of All Reaches Habitat Area Inundation Events Lasting 18 - 24 Days in March													
Area Range	No Action	Alt 1A	Alt 1A minus No Action	Percent Change	Alt 1B	Alt 1B minus No Action	Percent Change	Alt 2	Alt 2 minus No Action	Percent Change	Alt 3	Alt 3 minus No Action	Percent Change
0 - 2,000 acres	5	6	1	20%	6	1	20%	6	1	20%	7	2	40%
2,000 - 3,000 acres	10	8	-2	-20%	8	-2	-20%	8	-2	-20%	7	-3	-30%
3,000 - 5,000 acres	1	0	-1	-100%	0	-1	-100%	0	-1	-100%	0	-1	-100%
>5,000 acres	3	3	0	0%	3	0	0%	3	0	0%	3	0	0%
Frequency of All Reaches Habitat Area Inundation Events Lasting 18 - 24 Days in April													
Area Range	No Action	Alt 1A	Alt 1A minus No Action	Percent Change	Alt 1B	Alt 1B minus No Action	Percent Change	Alt 2	Alt 2 minus No Action	Percent Change	Alt 3	Alt 3 minus No Action	Percent Change
0 - 2,000 acres	0	1	1	-	1	1	-	1	1	-	1	1	-
2,000 - 3,000 acres	4	5	1	25%	5	1	25%	6	2	50%	5	1	25%
3,000 - 5,000 acres	0	0	0	-	0	0	-	0	0	-	0	0	-
>5,000 acres	2	2	0	0%	2	0	0%	2	0	0%	1	-1	-50%
Frequency of All Reaches Habitat Area Inundation Events Lasting 18 - 24 Days in May													
Area Range	No Action	Alt 1A	Alt 1A minus No Action	Percent Change	Alt 1B	Alt 1B minus No Action	Percent Change	Alt 2	Alt 2 minus No Action	Percent Change	Alt 3	Alt 3 minus No Action	Percent Change
0 - 2,000 acres	3	2	-1	-33%	2	-1	-33%	2	-1	-33%	2	-1	-33%
2,000 - 3,000 acres	2	5	3	150%	5	3	150%	5	3	150%	5	3	150%
3,000 - 5,000 acres	0	0	0	-	0	0	-	0	0	-	0	0	-
>5,000 acres	0	0	0	-	0	0	-	0	0	-	0	0	-
Frequency of All Reaches Habitat Area Inundation Events Lasting 18 - 24 Days in June													
Area Range	No Action	Alt 1A	Alt 1A minus No Action	Percent Change	Alt 1B	Alt 1B minus No Action	Percent Change	Alt 2	Alt 2 minus No Action	Percent Change	Alt 3	Alt 3 minus No Action	Percent Change
0 - 2,000 acres	0	2	2	-	2	2	-	2	2	-	2	2	-
2,000 - 3,000 acres	1	0	-1	-100%	0	-1	-100%	0	-1	-100%	0	-1	-100%
3,000 - 5,000 acres	0	0	0	-	0	0	-	0	0	-	0	0	-
>5,000 acres	0	0	0	-	0	0	-	0	0	-	0	0	-
Frequency of All Reaches Habitat Area Inundation Events Lasting 18 - 24 Days in July													
Area Range	No Action	Alt 1A	Alt 1A minus No Action	Percent Change	Alt 1B	Alt 1B minus No Action	Percent Change	Alt 2	Alt 2 minus No Action	Percent Change	Alt 3	Alt 3 minus No Action	Percent Change
0 - 2,000 acres	0	0	0	-	0	0	-	0	0	-	0	0	-
2,000 - 3,000 acres	2	8	6	300%	7	5	250%	8	6	300%	5	3	150%
3,000 - 5,000 acres	0	0	0	-	0	0	-	0	0	-	0	0	-
>5,000 acres	0	0	0	-	0	0	-	0	0	-	0	0	-
Frequency of All Reaches Habitat Area Inundation Events Lasting 18 - 24 Days in August													
Area Range	No Action	Alt 1A	Alt 1A minus No Action	Percent Change	Alt 1B	Alt 1B minus No Action	Percent Change	Alt 2	Alt 2 minus No Action	Percent Change	Alt 3	Alt 3 minus No Action	Percent Change
0 - 2,000 acres	1	1	0	0%	1	0	0%	1	0	0%	1	0	0%
2,000 - 3,000 acres	0	0	0	-	0	0	-	0	0	-	0	0	-
3,000 - 5,000 acres	0	0	0	-	0	0	-	0	0	-	0	0	-
>5,000 acres	0	0	0	-	0	0	-	0	0	-	0	0	-
Frequency of All Reaches Habitat Area Inundation Events Lasting 18 - 24 Days in September													
Area Range	No Action	Alt 1A	Alt 1A minus No Action	Percent Change	Alt 1B	Alt 1B minus No Action	Percent Change	Alt 2	Alt 2 minus No Action	Percent Change	Alt 3	Alt 3 minus No Action	Percent Change
0 - 2,000 acres	0	0	0	-	0	0	-	0	0	-	0	0	-
2,000 - 3,000 acres	2	2	0	0%	2	0	0%	2	0	0%	2	0	0%
3,000 - 5,000 acres	0	0	0	-	0	0	-	0	0	-	0	0	-
>5,000 acres	0	0	0	-	0	0	-	0	0	-	0	0	-

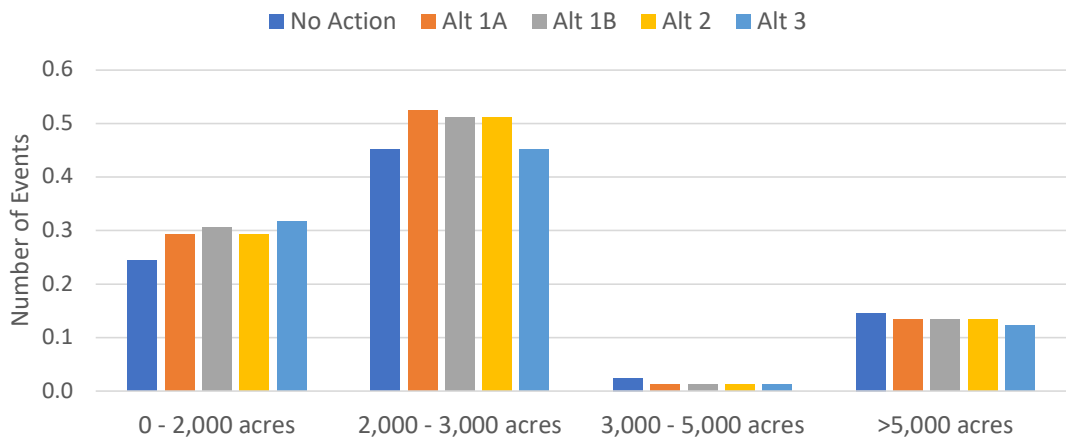
Table 4. Monthly Summary of Frequency of All Reaches Habitat Area Inundation Events Lasting More Than 24 Days

Frequency of All Reaches Habitat Area Inundation Events Lasting More Than 24 Days in October													
Area Range	No Action	Alt 1A	Alt 1A minus No Action	Percent Change	Alt 1B	Alt 1B minus No Action	Percent Change	Alt 2	Alt 2 minus No Action	Percent Change	Alt 3	Alt 3 minus No Action	Percent Change
0 - 2,000 acres	11	18	7	64%	19	8	73%	20	9	82%	16	5	45%
2,000 - 3,000 acres	1	0	-1	-100%	0	-1	-100%	0	-1	-100%	0	-1	-100%
3,000 - 5,000 acres	0	0	0	-	0	0	-	0	0	-	0	0	-
>5,000 acres	0	0	0	-	0	0	-	0	0	-	0	0	-
Frequency of All Reaches Habitat Area Inundation Events Lasting More Than 24 Days in November													
Area Range	No Action	Alt 1A	Alt 1A minus No Action	Percent Change	Alt 1B	Alt 1B minus No Action	Percent Change	Alt 2	Alt 2 minus No Action	Percent Change	Alt 3	Alt 3 minus No Action	Percent Change
0 - 2,000 acres	11	13	2	18%	13	2	18%	13	2	18%	14	3	27%
2,000 - 3,000 acres	0	0	0	-	0	0	-	0	0	-	0	0	-
3,000 - 5,000 acres	0	0	0	-	0	0	-	0	0	-	0	0	-
>5,000 acres	0	0	0	-	0	0	-	0	0	-	0	0	-
Frequency of All Reaches Habitat Area Inundation Events Lasting More Than 24 Days in December													
Area Range	No Action	Alt 1A	Alt 1A minus No Action	Percent Change	Alt 1B	Alt 1B minus No Action	Percent Change	Alt 2	Alt 2 minus No Action	Percent Change	Alt 3	Alt 3 minus No Action	Percent Change
0 - 2,000 acres	14	13	-1	-7%	12	-2	-14%	13	-1	-7%	12	-2	-14%
2,000 - 3,000 acres	0	0	0	-	0	0	-	0	0	-	0	0	-
3,000 - 5,000 acres	0	0	0	-	0	0	-	0	0	-	0	0	-
>5,000 acres	0	0	0	-	0	0	-	0	0	-	0	0	-
Frequency of All Reaches Habitat Area Inundation Events Lasting More Than 24 Days in January													
Area Range	No Action	Alt 1A	Alt 1A minus No Action	Percent Change	Alt 1B	Alt 1B minus No Action	Percent Change	Alt 2	Alt 2 minus No Action	Percent Change	Alt 3	Alt 3 minus No Action	Percent Change
0 - 2,000 acres	13	14	1	8%	14	1	8%	14	1	8%	13	0	0%
2,000 - 3,000 acres	3	1	-2	-67%	0	-3	-100%	1	-2	-67%	0	-3	-100%
3,000 - 5,000 acres	0	0	0	-	0	0	-	0	0	-	0	0	-
>5,000 acres	2	2	0	0%	2	0	0%	2	0	0%	2	0	0%
Frequency of All Reaches Habitat Area Inundation Events Lasting More Than 24 Days in February													
Area Range	No Action	Alt 1A	Alt 1A minus No Action	Percent Change	Alt 1B	Alt 1B minus No Action	Percent Change	Alt 2	Alt 2 minus No Action	Percent Change	Alt 3	Alt 3 minus No Action	Percent Change
0 - 2,000 acres	8	10	2	25%	9	1	13%	10	2	25%	10	2	25%
2,000 - 3,000 acres	2	1	-1	-50%	1	-1	-50%	1	-1	-50%	1	-1	-50%
3,000 - 5,000 acres	0	0	0	-	0	0	-	0	0	-	0	0	-
>5,000 acres	3	3	0	0%	3	0	0%	3	0	0%	3	0	0%
Frequency of All Reaches Habitat Area Inundation Events Lasting More Than 24 Days in March													
Area Range	No Action	Alt 1A	Alt 1A minus No Action	Percent Change	Alt 1B	Alt 1B minus No Action	Percent Change	Alt 2	Alt 2 minus No Action	Percent Change	Alt 3	Alt 3 minus No Action	Percent Change
0 - 2,000 acres	11	14	3	27%	13	2	18%	14	3	27%	13	2	18%
2,000 - 3,000 acres	6	1	-5	-83%	1	-5	-83%	2	-4	-67%	0	-6	-100%
3,000 - 5,000 acres	0	0	0	-	0	0	-	0	0	-	0	0	-
>5,000 acres	2	2	0	0%	2	0	0%	2	0	0%	2	0	0%
Frequency of All Reaches Habitat Area Inundation Events Lasting More Than 24 Days in April													
Area Range	No Action	Alt 1A	Alt 1A minus No Action	Percent Change	Alt 1B	Alt 1B minus No Action	Percent Change	Alt 2	Alt 2 minus No Action	Percent Change	Alt 3	Alt 3 minus No Action	Percent Change
0 - 2,000 acres	10	10	0	0%	12	2	20%	10	0	0%	10	0	0%
2,000 - 3,000 acres	4	4	0	0%	4	0	0%	3	-1	-25%	4	0	0%
3,000 - 5,000 acres	0	0	0	-	0	0	-	0	0	-	0	0	-
>5,000 acres	0	0	0	-	0	0	-	0	0	-	0	0	-
Frequency of All Reaches Habitat Area Inundation Events Lasting More Than 24 Days in May													
Area Range	No Action	Alt 1A	Alt 1A minus No Action	Percent Change	Alt 1B	Alt 1B minus No Action	Percent Change	Alt 2	Alt 2 minus No Action	Percent Change	Alt 3	Alt 3 minus No Action	Percent Change
0 - 2,000 acres	18	24	6	33%	21	3	17%	23	5	28%	21	3	17%
2,000 - 3,000 acres	9	6	-3	-33%	6	-3	-33%	6	-3	-33%	5	-4	-44%
3,000 - 5,000 acres	0	0	0	-	0	0	-	0	0	-	0	0	-
>5,000 acres	0	0	0	-	0	0	-	0	0	-	0	0	-
Frequency of All Reaches Habitat Area Inundation Events Lasting More Than 24 Days in June													
Area Range	No Action	Alt 1A	Alt 1A minus No Action	Percent Change	Alt 1B	Alt 1B minus No Action	Percent Change	Alt 2	Alt 2 minus No Action	Percent Change	Alt 3	Alt 3 minus No Action	Percent Change
0 - 2,000 acres	12	9	-3	-25%	10	-2	-17%	10	-2	-17%	9	-3	-25%
2,000 - 3,000 acres	3	1	-2	-67%	2	-1	-33%	1	-2	-67%	2	-1	-33%
3,000 - 5,000 acres	0	0	0	-	0	0	-	0	0	-	0	0	-
>5,000 acres	0	0	0	-	0	0	-	0	0	-	0	0	-
Frequency of All Reaches Habitat Area Inundation Events Lasting More Than 24 Days in July													
Area Range	No Action	Alt 1A	Alt 1A minus No Action	Percent Change	Alt 1B	Alt 1B minus No Action	Percent Change	Alt 2	Alt 2 minus No Action	Percent Change	Alt 3	Alt 3 minus No Action	Percent Change
0 - 2,000 acres	22	23	1	5%	24	2	9%	25	3	14%	23	1	5%
2,000 - 3,000 acres	19	20	1	5%	20	1	5%	20	1	5%	21	2	11%
3,000 - 5,000 acres	0	0	0	-	0	0	-	0	0	-	0	0	-
>5,000 acres	0	0	0	-	0	0	-	0	0	-	0	0	-
Frequency of All Reaches Habitat Area Inundation Events Lasting More Than 24 Days in August													
Area Range	No Action	Alt 1A	Alt 1A minus No Action	Percent Change	Alt 1B	Alt 1B minus No Action	Percent Change	Alt 2	Alt 2 minus No Action	Percent Change	Alt 3	Alt 3 minus No Action	Percent Change
0 - 2,000 acres	12	8	-4	-33%	8	-4	-33%	8	-4	-33%	11	-1	-8%
2,000 - 3,000 acres	2	2	0	0%	2	0	0%	2	0	0%	2	0	0%
3,000 - 5,000 acres	0	0	0	-	0	0	-	0	0	-	0	0	-
>5,000 acres	0	0	0	-	0	0	-	0	0	-	0	0	-
Frequency of All Reaches Habitat Area Inundation Events Lasting More Than 24 Days in September													
Area Range	No Action	Alt 1A	Alt 1A minus No Action	Percent Change	Alt 1B	Alt 1B minus No Action	Percent Change	Alt 2	Alt 2 minus No Action	Percent Change	Alt 3	Alt 3 minus No Action	Percent Change
0 - 2,000 acres	32	30	-2	-6%	29	-3	-9%	27	-5	-16%	30	-2	-6%
2,000 - 3,000 acres	6	7	1	17%	7	1	17%	7	1	17%	7	1	17%
3,000 - 5,000 acres	0	0	0	-	0	0	-	0	0	-	0	0	-
>5,000 acres	0	0	0	-	0	0	-	0	0	-	0	0	-

Average Annual All Reaches Habitat Area Inundation Events Lasting 8 - 17 Days



Average Annual All Reaches Habitat Area Inundation Events Lasting 18 - 24 Days



Average Annual All Reaches Habitat Area Inundation Events Lasting More Than 24 Days

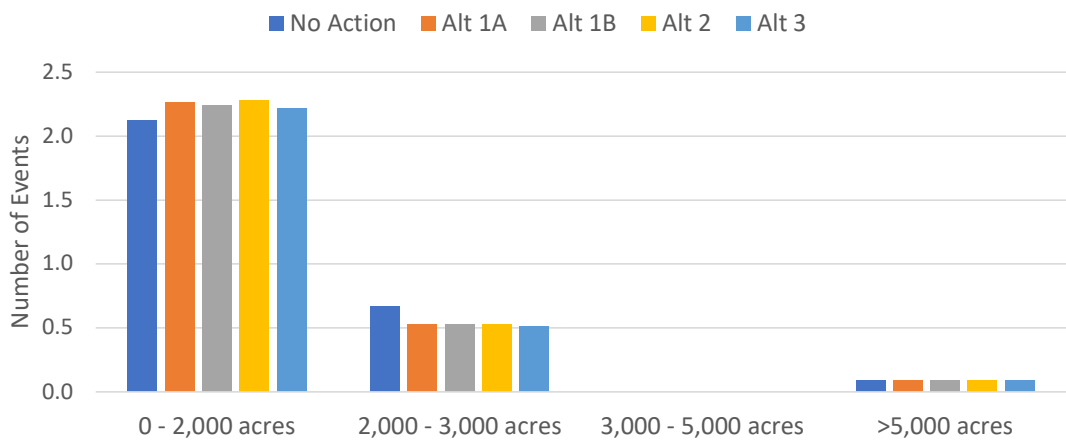


Table 5. Average Annual All Reaches Habitat Area Inundation Events.

Average Annual All Reaches Habitat Area Inundation Events Lasting 8 - 17 Days													
Area Range	No Action	Alt 1A	Alt 1A minus No Action	Percent Change	Alt 1B	Alt 1B minus No Action	Percent Change	Alt 2	Alt 2 minus No Action	Percent Change	Alt 3	Alt 3 minus No Action	Percent Change
0 - 2,000 acres	0.79	0.83	0.04	5%	0.84	0.05	6%	0.82	0.02	3%	0.84	0.05	6%
2,000 - 3,000 acres	1.74	1.54	-0.21	-12%	1.54	-0.21	-12%	1.51	-0.23	-13%	1.59	-0.16	-9%
3,000 - 5,000 acres	0.28	0.23	-0.05	-17%	0.24	-0.04	-13%	0.24	-0.04	-13%	0.24	-0.04	-13%
>5,000 acres	0.45	0.44	-0.01	-3%	0.41	-0.04	-8%	0.44	-0.01	-3%	0.44	-0.01	-3%
Average Annual All Reaches Habitat Area Inundation Events Lasting 18 - 24 Days													
Area Range	No Action	Alt 1A	Alt 1A minus No Action	Percent Change	Alt 1B	Alt 1B minus No Action	Percent Change	Alt 2	Alt 2 minus No Action	Percent Change	Alt 3	Alt 3 minus No Action	Percent Change
0 - 2,000 acres	0.24	0.29	0.05	20%	0.30	0.06	25%	0.29	0.05	20%	0.32	0.07	30%
2,000 - 3,000 acres	0.45	0.52	0.07	16%	0.51	0.06	14%	0.51	0.06	14%	0.45	0.00	0%
3,000 - 5,000 acres	0.02	0.01	-0.01	-50%	0.01	-0.01	-50%	0.01	-0.01	-50%	0.01	-0.01	-50%
>5,000 acres	0.15	0.13	-0.01	-8%	0.13	-0.01	-8%	0.13	-0.01	-8%	0.12	-0.02	-17%
Average Annual All Reaches Habitat Area Inundation Events Lasting More Than 24 Days													
Area Range	No Action	Alt 1A	Alt 1A minus No Action	Percent Change	Alt 1B	Alt 1B minus No Action	Percent Change	Alt 2	Alt 2 minus No Action	Percent Change	Alt 3	Alt 3 minus No Action	Percent Change
0 - 2,000 acres	2.12	2.27	0.15	7%	2.24	0.12	6%	2.28	0.16	7%	2.22	0.10	5%
2,000 - 3,000 acres	0.67	0.52	-0.15	-22%	0.52	-0.15	-22%	0.52	-0.15	-22%	0.51	-0.16	-24%
3,000 - 5,000 acres	0.00	0.00	0.00	-	0.00	0.00	-	0.00	0.00	-	0.00	0.00	-
>5,000 acres	0.09	0.09	0.00	0%	0.09	0.00	0%	0.09	0.00	0%	0.09	0.00	0%

*Based on total events in 82 year simulation period.