

Appendix 11M3 Yolo Bypass Inundation Frequencies

Appendix 11M-3. Average Monthly and Average Annual Number of Yolo Bypass Inundation Events 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.

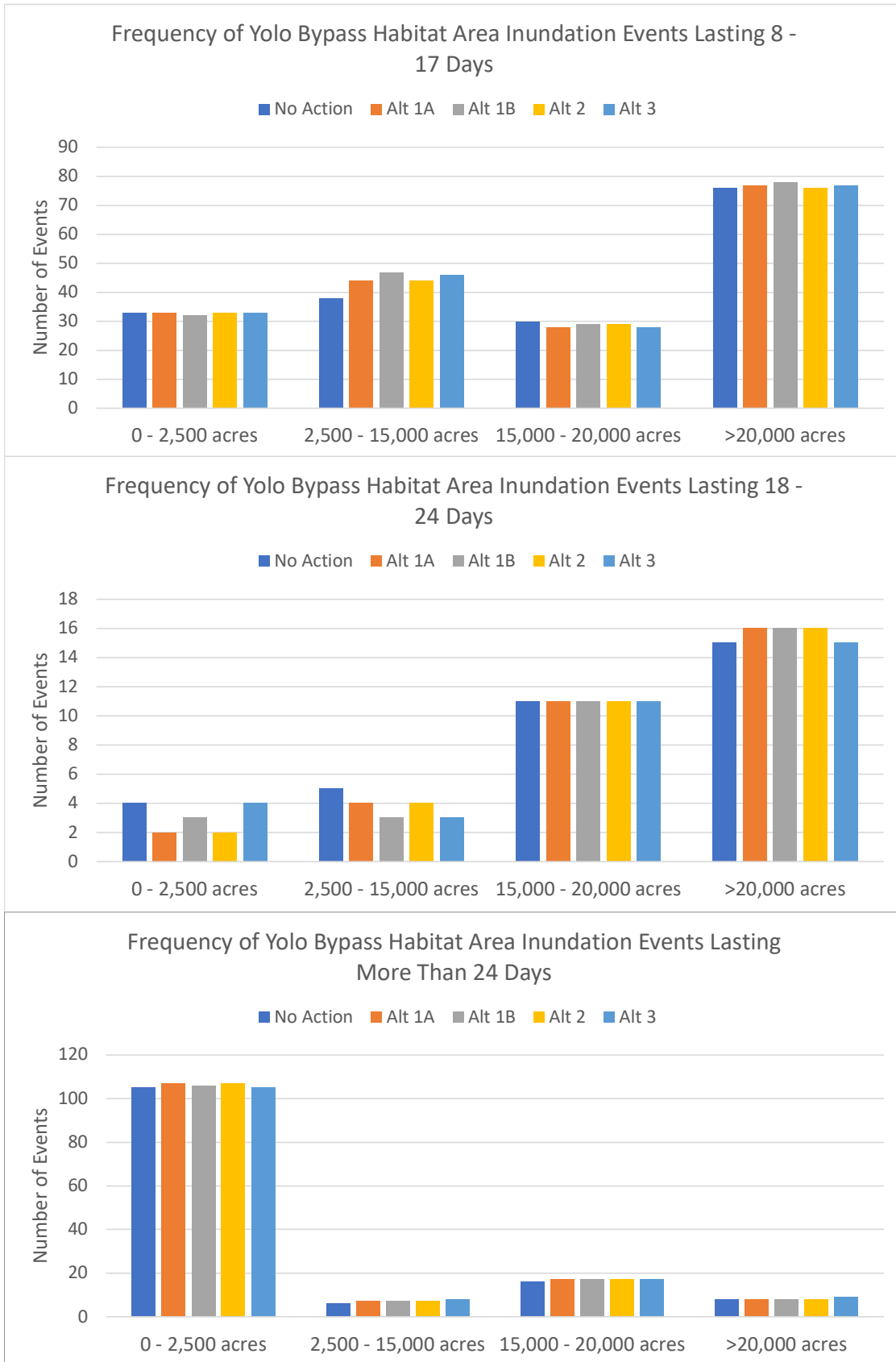
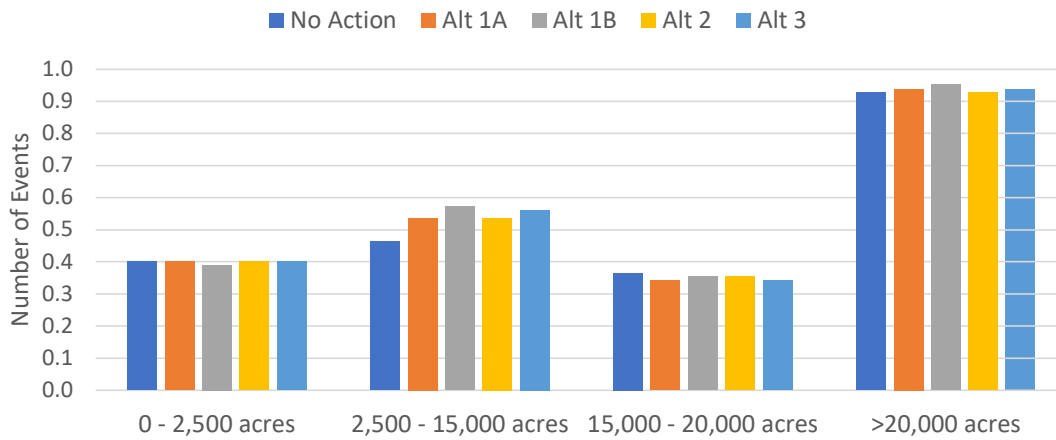


Table 1. Frequency of Yolo Bypass Habitat Area Inundation Events.

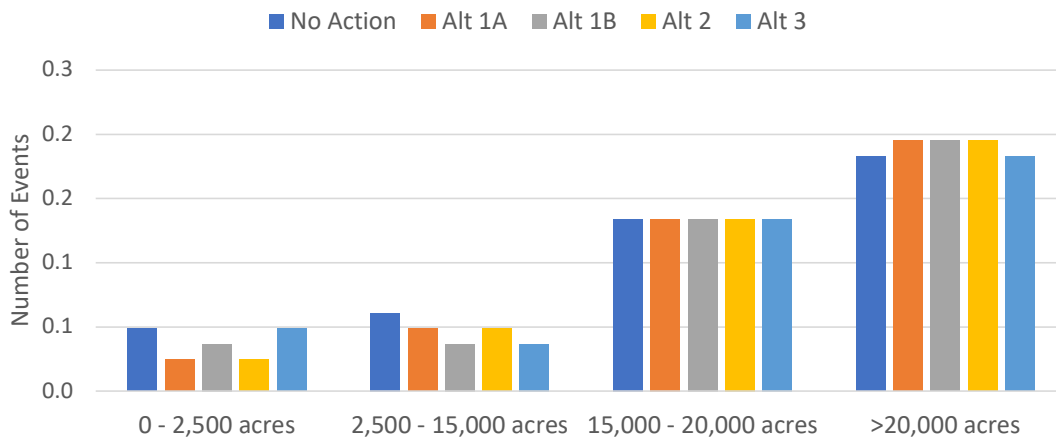
Frequency of Yolo Bypass Habitat Area Inundation Events Lasting 8 - 17 Days													
Area Range	No Action	Alt 1A	Alt 1A minus No Action	Percent Change	Alt 1B	Alt 1B minus No Action	Percent Change	Alt 2	Alt 2 minus No Action	Percent Change	Alt 3	Alt 3 minus No Action	Percent Change
0 - 2,500 acres	33	33	0	0%	32	-1	-3%	33	0	0%	33	0	0%
2,500 - 15,000 acres	38	44	6	16%	47	9	24%	44	6	16%	46	8	21%
15,000 - 20,000 acres	30	28	-2	-7%	29	-1	-3%	29	-1	-3%	28	-2	-7%
>20,000 acres	76	77	1	1%	78	2	3%	76	0	0%	77	1	1%
Frequency of Yolo Bypass 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 - 2,500 acres	4	2	-2	-50%	3	-1	-25%	2	-2	-50%	4	0	0%
2,500 - 15,000 acres	5	4	-1	-20%	3	-2	-40%	4	-1	-20%	3	-2	-40%
15,000 - 20,000 acres	11	11	0	0%	11	0	0%	11	0	0%	11	0	0%
>20,000 acres	15	16	1	7%	16	1	7%	16	1	7%	15	0	0%
Frequency of Yolo Bypass 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 - 2,500 acres	105	107	2	2%	106	1	1%	107	2	2%	105	0	0%
2,500 - 15,000 acres	6	7	1	17%	7	1	17%	7	1	17%	8	2	33%
15,000 - 20,000 acres	16	17	1	6%	17	1	6%	17	1	6%	17	1	6%
>20,000 acres	8	8	0	0%	8	0	0%	8	0	0%	9	1	13%

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

Average Annual Yolo Bypass Habitat Area Inundation Events Lasting 8 - 17 Days



Average Annual Yolo Bypass Habitat Area Inundation Events Lasting 18 - 24 Days



Average Annual Yolo Bypass Habitat Area Inundation Events Lasting More Than 24 Days

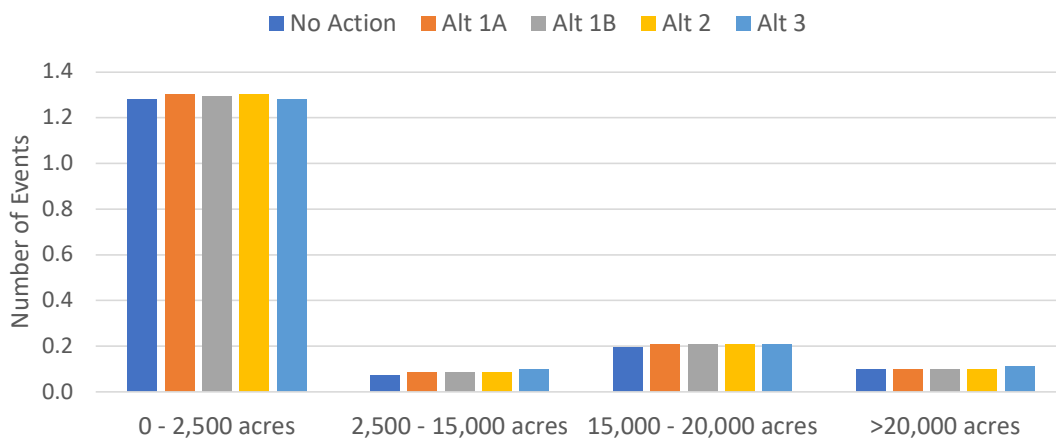


Table 5. Average Annual Yolo Bypass Habitat Area Inundation Events.

Average Annual Yolo Bypass 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 - 2,500 acres	0.40	0.40	0.00	0%	0.39	-0.01	-3%	0.40	0.00	0%	0.40	0.00	0%
2,500 - 15,000 acres	0.46	0.54	0.07	16%	0.57	0.11	24%	0.54	0.07	16%	0.56	0.10	21%
15,000 - 20,000 acres	0.37	0.34	-0.02	-7%	0.35	-0.01	-3%	0.35	-0.01	-3%	0.34	-0.02	-7%
>20,000 acres	0.93	0.94	0.01	1%	0.95	0.02	3%	0.93	0.00	0%	0.94	0.01	1%

Average Annual Yolo Bypass 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 - 2,500 acres	0.05	0.02	-0.02	-50%	0.04	-0.01	-25%	0.02	-0.02	-50%	0.05	0.00	0%
2,500 - 15,000 acres	0.06	0.05	-0.01	-20%	0.04	-0.02	-40%	0.05	-0.01	-20%	0.04	-0.02	-40%
15,000 - 20,000 acres	0.13	0.13	0.00	0%	0.13	0.00	0%	0.13	0.00	0%	0.13	0.00	0%
>20,000 acres	0.18	0.20	0.01	7%	0.20	0.01	7%	0.20	0.01	7%	0.18	0.00	0%

Average Annual Yolo Bypass 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 - 2,500 acres	1.28	1.30	0.02	2%	1.29	0.01	1%	1.30	0.02	2%	1.28	0.00	0%
2,500 - 15,000 acres	0.07	0.09	0.01	17%	0.09	0.01	17%	0.09	0.01	17%	0.10	0.02	33%
15,000 - 20,000 acres	0.20	0.21	0.01	6%	0.21	0.01	6%	0.21	0.01	6%	0.21	0.01	6%
>20,000 acres	0.10	0.10	0.00	0%	0.10	0.00	0%	0.10	0.00	0%	0.11	0.01	13%

*Based on total events in 82 year simulation period.