

Appendix S1. Ecosphere. J. Boone Kauffman, Dian Lyn Cummings, Cimarron Kauffman, Robert L. Beschta, Jeremy Brooks, Keeley MacNeill, William J. Ripple. Bison influences on composition and diversity of riparian plant communities in Yellowstone National Park.

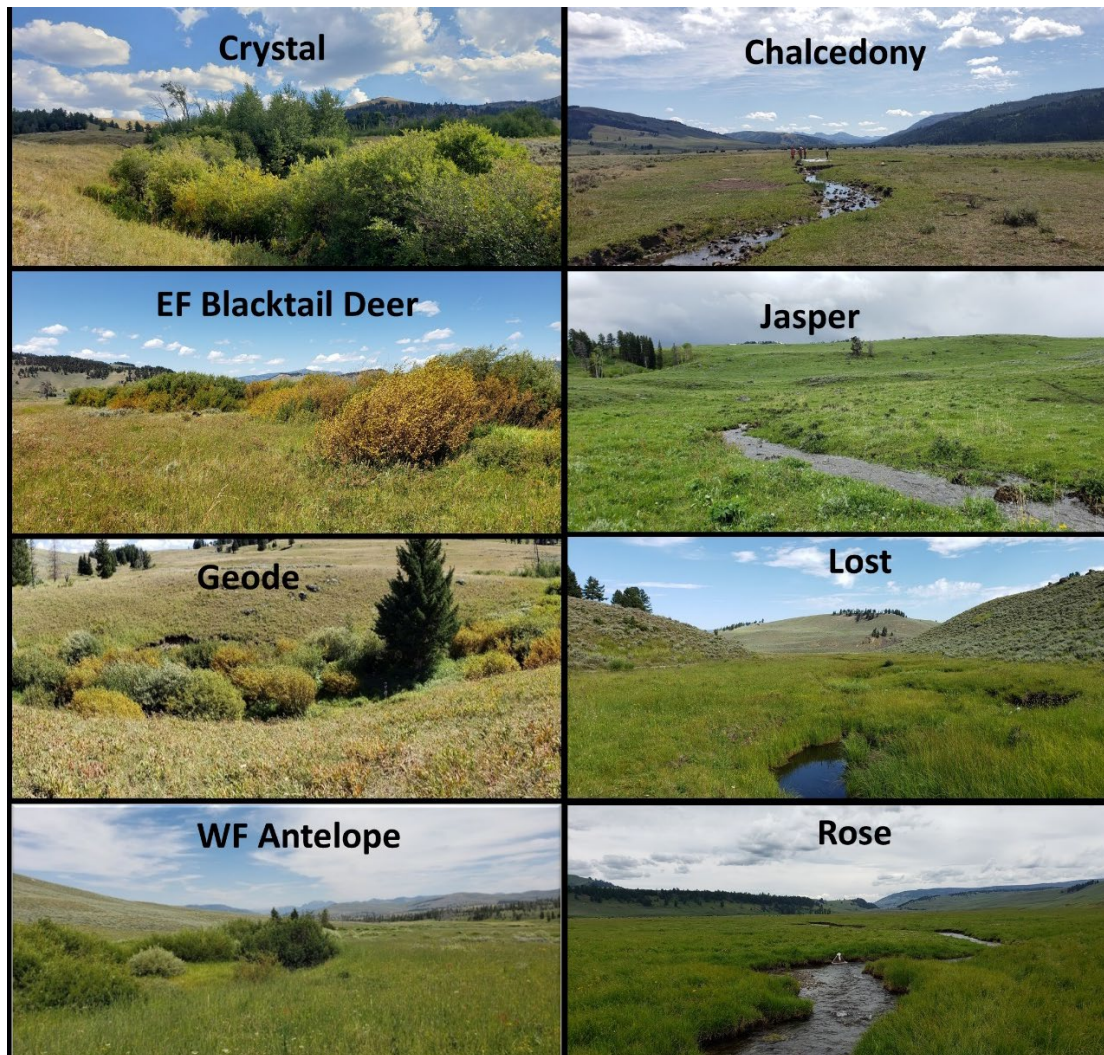


Figure S1. Photos of the sampled riparian/stream ecosystems at Yellowstone National Park. All photos were taken by Jeremy Brooks.

Table S1. Indicator categories, indicator index, designation and comments related to the frequency of species occurrence in wetlands.

Indicator Status	Indicator Index	Designation	Comment
Obligate Wetland	1	Hydrophyte	Almost always occur in wetlands
Facultative Wetland	2	Hydrophyte	Usually occur in wetlands, but may occur in non-wetlands
Facultative	3	Hydrophyte	Occur in wetlands and non-wetlands
Facultative Upland	4	Nonhydrophyte	Usually occur in non-wetlands, but may occur in wetlands
Obligate Upland	5	Nonhydrophyte	Almost never occur in wetlands

Table S2. Stream characteristics of selected sampled riparian zones.

Stream	Elevation (m)	Discharge (early July L/s)	Avg Wetted Width (m)	Avg Wetted Depth (cm)	Avg Bankfull Width (m)	Avg Bankfull Depth (m)	Wetted width/depth	Bankfull width/depth	% Slope
WF Antelope	2085	41	0.9	11	1.5	0.28	8	5.3	2.3
Geode	2132	30	1.9	14	2.4	0.31	14	7.6	2.7
EF Blacktail Deer	1897	108	1.8	23	2.4	0.48	8	5.0	1.3
Crystal	1905	24	1.1	14	1.9	0.20	8	9.7	11
Lost	1768	38	1.2	10	1.4	0.25	12	5.6	1.0
Rose	1851	346	3.3	16	3.8	0.37	21	10	1.6
Chalcedony	2013	NA	2.5	NA	2.5	0.27	NA	9.3	1.3
Jasper	1874	21	1.3	11	1.7	0.14	11	12	5.0

Table S3. Summary of fecal density in sampled riparian zones, Yellowstone National Park (numbers/ha).

Site	Bison	Elk	Total
WF Antelope	194	139	333
Geode	194	278	472
EF Blacktail	639	28	667
Crystal	889	167	1000
Jasper	1056	250	1306
Rose	1361	0	1361
Lost	1472	0	1472
Chalcedony	1833	0	1833
percent	0.90	0.10	1.00