

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.

Appendix S3

Table S1. The mean and standard error of canopy cover (%) of all species with a cover >5% encountered in plots. Species are presented as alpha codes. The entire species names can be found in Appendix S2:Table S1.

Species	Cover (%)	SE	Species	Cover (%)	SE
Chalcedony Creek					
Floodplain			GREENLINE		
ASTER	2.5	1.0	ACMI	0.2	0.2
BRIN	3.3	1.6	ANAR	0.8	0.8
DACA	0.3	0.3	ANN BROME	0.2	0.2
FRVI	0.5	0.5	ASTER	3.0	1.2
JUBA	0.5	0.4	Carex sp (Ovales)	2.6	1.3
LUPINE	0.2	0.2	BRIN	5.3	2.3
PHPR	13.7	3.2	CAAQ	1.7	1.7
PODO	1.4	1.0	CACA	0.2	0.2
POHI	0.3	0.3	CAUT	7.2	2.8
POPR	31.2	5.0	CIAR	0.4	0.4
POSA	1.1	0.6	DECE	0.7	0.5
TAOF	7.1	2.1	ELPA	1.5	1.0
TRRE	0.2	0.2	EQAR	3.6	1.9
			ERIGERON	0.4	0.4
			JUBA	1.1	1.1
			PHPR	8.4	2.7
			POPR	24.6	5.2
			TAOF	18.7	3.5
			TRRE	1.5	0.7
			VEAM	0.2	0.2

Species	Cover (%)	SE	Species	Cover (%)	SE
Crystal Creek					
Floodplain			GREENLINE		
ACMI	0.4	0.3	ALIN	7.5	5.0
AMAL	2.0	2.0	AMAL	1.5	1.0
ASTER	0.2	0.1	Angelica	0.2	0.2
Carex sp (Ovales)	1.7	1.2	ASTER	0.9	0.9
BRODEA	0.3	0.3	Carex sp (Ovales)	1.9	1.5
Campanula	0.2	0.2	BRODEA	0.4	0.4
CAPE	3.9	1.5	CAPE	7.5	3.8
CIAR	1.1	0.7	CAUT	3.5	2.0
ELGL	0.5	0.5	EPAN	2.8	1.7
EPAN	3.2	1.4	EQAR	6.5	3.0
EQAR	1.0	0.6	EQHY	1.2	0.7
FRVI	1.7	0.9	FAVI	0.3	0.3
GAPA	0.1	0.1	FRVI	1.8	0.9
GEVI	8.6	3.7	GAPA	0.1	0.1
JUBA	2.1	1.7	GEMA	0.2	0.2
MECI	0.4	0.4	GEVI	3.1	2.2
PHPR	6.0	2.7	GLEL	3.7	2.2
POFR	1.0	0.6	JUBA	5.4	2.7
POPR	38.8	5.8	LOIN	3.8	3.1
RILA	3.6	2.2	MEAR	0.1	0.1
ROWO	19.2	5.0	MECI	0.2	0.2
SABE	6.9	3.3	PHPR	0.8	0.6
SAGE	2.0	2.0	POPR	7.3	3.8
SALU	0.4	0.4	POTR	1.6	1.5
SEIN	0.2	0.2	RILA	3.1	2.1
SHCA	4.0	2.8	ROWO	18.6	6.3
SMST	1.3	0.8	SABE	30.4	9.0
SOCA	6.5	3.2	SALU	43.6	9.7
SYAL	5.4	2.5	SEIN	7.9	3.9
THOC	1.9	1.2	SMST	0.4	0.3
			SOCA	5.6	2.6
			SYAL	0.9	0.6
			THOC	1.1	0.9
			ZYVE	0.8	0.5

Species	Cover (%)	SE	Species	Cover (%)	SE
East Fork Blacktail Deer Creek					
Floodplain			GREENLINE		
ACMI	0.2	0.1	APLO	0.1	0.1
AGSM	0.8	0.8	ARLO	0.5	0.5
ANRO	0.6	0.5	ASTER	3.4	1.3
ARLO	0.4	0.2	Carex sp (Ovales)	0.1	0.1
ARLU	0.3	0.2	CAAQ	4.2	3.0
ASTER	0.8	0.5	CAPE	7.9	4.1
Astragalus	0.3	0.3	CAUT	34.4	7.9
Carex sp (Ovales)	1.7	1.0	EQAR	0.5	0.4
BRMA	0.5	0.4	GIVI	1.6	1.1
CAPE	0.2	0.1	GLST	0.4	0.4
CAREX	0.6	0.3	JUBA	0.2	0.2
CIAR	0.5	0.5	PHPR	1.2	0.7
FRVI	5.6	2.2	POFR	2.3	1.3
GAPA	0.2	0.1	POPR	1.5	0.8
GEVI	1.3	1.1	SAGA	32.9	8.7
Grindella	0.1	0.1	SALU	34.1	9.2
JUBA	1.2	1.0	SMST	1.3	0.8
LUSE	1.9	1.1	SOCA	6.6	4.4
PHPR	11.2	3.8	THOC	0.6	0.6
POFR	3.1	2.6	TRRE	4.8	2.7
POGR	5.8	2.0			
POPR	15.7	2.3			
Potentilla silver	0.9	0.6			
SALU	3.3	2.1			
SMST	1.4	0.6			
SOCA	3.1	2.0			
TAOF	1.0	0.7			
THOC	0.6	0.3			
TRRE	22.6	6.5			
VIAD	0.2	0.2			

Species	Cover (%)	SE	Species	Cover (%)	SE
Geode Creek					
Floodplain			GREENLINE		
ACMI	0.1	0.1	ALIN	4	4.0
Angelica	0.2	0.2	ASTER	0.5	0.4
ASTER	1.8	1.0	Carex sp (Ovales)	1.2	0.9
Carex sp (Ovales)	2.3	0.9	CAAQ	30.6	7.1
BRMA	0.2	0.2	CACA	11	4.6
CAAQ	14.3	3.6	CAUT	7.5	4.0
CACA	5.6	2.5	EPAN	2.04	1.2
Delphinium	2.2	2.0	FRVI	0.2	0.2
EPAN	5.4	2.3	LUPINE	1.1	1.1
FRVI	2.8	1.5	PHPR	0.9	0.5
GAPA	0.5	0.3	PTGR	0.1	0.1
GEMA	0.2	0.2	SAGE	31.1	9.1
GEVI	1.8	1.5	SALU	45.1	9.6
JUBA	0.8	0.5	SEIN	0.8	0.6
LUPINE	1.4	0.6	SEPS	0.8	0.8
MECI	0.4	0.3	TAOF	0.2	0.2
Paint Brush	0.4	0.4	THOC	1.2	0.8
PHPR	8.3	2.2	W.L. Umble	0.2	0.2
POGR	13.3	4.2	Agrostis sp	5	3.4
POPR	3.2	2.2			
SAGE	10.0	4.1			
SALU	2.0	2.0			
SEIN	1.2	0.8			
SEPS	0.2	0.2			
TAOF	0.2	0.2			
Agoseris	0.8	0.6			
Agrostis sp	28.9	6.3			

Species	Cover (%)	SE	Species	Cover (%)	SE
Jasper Creek					
Floodplain			GREENLINE		
ACMI	1.4	0.9	ACMI	0.8	0.6
ARLU	2.8	1.7	ANRO	0.5	0.5
ASTER	1.2	0.7	ARLU	12.7	4.8
Carex sp (Ovales)	0.6	0.4	ASTER	3.5	1.6
CISC	1.0	1.0	Carex sp (Ovales)	0.2	0.2
FRVI	3.6	1.5	CACA	1.2	1.2
GAPA	0.2	0.2	CAPE	7.3	2.8
GEMA	0.5	0.5	DESE	0.2	0.2
GEVI	6.0	3.1	FRVI	1.1	0.9
JUBA	1.1	0.7	GEMA	0.2	0.2
MEAR	0.5	0.4	GEVI	0.8	0.8
MECI	0.3	0.3	GLEL	0.5	0.4
PHPR	7.1	1.7	HELA	0.9	0.9
PODO	0.2	0.2	MEAR	0.3	0.2
POGR	1.5	1.0	MECI	0.2	0.2
POPR	51.7	6.1	PHPR	6.4	2.0
ROWO	6.9	2.2	POAN	1.7	1.7
SEIN	0.6	0.6	POGR	2.4	1.2
SMST	0.1	0.1	POPR	21.4	5.0
SOCA	2.5	1.2	ROWO	15.8	4.5
THOC	0.7	0.6	RUCR	1.0	0.8
VIAD	0.2	0.2	SAEX	4.9	2.4
			SEIN	6.9	3.0
			SMST	0.2	0.2
			SOCA	2.6	1.5
			SYAL	0.5	0.4
			THOC	0.3	0.3

Species	Cover (%)	SE	Species	Cover (%)	SE
Lost Creek					
Floodplain			GREENLINE		
ACMI	0.2	0.2	Agrostis	0.2	0.2
ANRO	1.7	1.1	ASTER	0.2	0.2
ARTR	0.1	0.1	Carex sp (Ovales)	1.6	1.5
ASTER	1.1	0.6	CAAQ	46.8	6.7
Carex sp (Ovales)	4.7	1.6	CACA	20.1	5.7
CAAQ	0.5	0.5	CAPE	1.3	1.1
CAPE	4.6	2.8	CAUT	17.4	5.7
CIAR	1.3	0.6	CIAR	0.2	0.1
EQHY	2.6	1.6	EQHY	0.1	0.1
Festuca	1.0	1.0	Festuca	0.5	0.5
FRVI	4.3	1.4	FRVI	0.1	0.1
JUBA	11.8	3.5	GEMA	0.4	0.4
PHPR	7.8	2.2	JUBA	4.2	2.5
POFR	3.0	1.6	MEAR	0.2	0.2
POGR	2.6	1.0	POFR	1.3	1.3
POPR	16.0	3.4	POPR	0.7	0.7
SEIN	9.0	3.6	SEIN	0.8	0.6
Silver leaf Anaphalus	0.3	0.2	SOCA	0.1	0.1
SOCA	1.6	0.9			
White Balls	0.1	0.1			

Species	Cover (%)	SE	Species	Cover (%)	SE
Rose Creek					
Floodplain			GREENLINE		
AGIN	2.8	1.6	AGIN	1.3	0.8
BALL SEDGE	0.2	0.2	AGST	0.6	0.4
BRIN	4.6	1.9	ASTER	0.6	0.5
			Carex sp		
CIAR	4.7	2.3	(Ovales)	1.8	1.3
HELI	1.4	1.4	BRIN	1.1	0.7
HOBR	2.9	0.9	CAAQ	3.7	1.5
PHPR	12.7	3.4	CEVI	0.3	0.2
POGR	0.2	0.2	CIAR	13.6	4.3
POPR	50.4	5.4	JUBA	0.4	0.4
SEIN	0.4	0.4	JUNCUS	0.7	0.7
SENICIO	0.2	0.2	PHPR	4.2	1.5
TAOF	12.7	2.4	POGR	0.2	0.2
TRRE	6.5	2.5	POPR	38.3	5.0
			TAOF	9.6	2.0
			TRRE	15.4	4.4
			VEAR	0.2	0.2

Species	Cover (%)	SE	Species	Cover (%)	SE
West Fork Antelope Creek					
Floodplain			GREENLINE		
ACMI	1.9	0.8	ALIN	36.5	9.0
ARLO	0.2	0.2	ARLO	0.3	0.3
ASTER	1.0	0.6	ASTER	2.2	1.9
Festuca	0.3	0.3	Carex sp (Ovales)	1.7	1.7
FRVI	26.7	4.8	CAAQ	22.4	5.8
GAPA	0.5	0.4	CACA	0.9	0.5
GEMA	0.4	0.4	CAPE	0.8	0.8
GEVI	0.5	0.5	CAUT	0.8	0.5
LUPINE	0.8	0.8	EQAR	4.3	2.1
PHPR	30.6	3.8	LOIN	4.4	3.5
POGR	5.1	2.7	Parnasia	0.5	0.5
POPR	0.6	0.6	PHPR	0.8	0.6
SESE	2.8	2.1	ROWO	0.9	0.9
SOCA	3.4	1.9	SAGE	19.2	7.4
TAOF	0.9	0.6	SALU	34.7	7.6
THOC	1.0	1.0	SAWO	3.0	1.9
TRRE	23.9	4.6	SOCA	0.4	0.4
VIAD	0.1	0.1	TAOF	0.6	0.4
			TRRE	1.8	1.8