

## Supplemental material

**Table S1.** Table of mean % cover and standard deviation (in parenthesis) for the 14 most common species in the dataset. **A** signifies differences in woodland development phase by burn status (burned vs. unburned) between years; **B** refers to the difference between burned and unburned plots by phase within the same year. The sign after **A** or **B** signifies an increase or decrease in the species cover.

			<i>Achnatherum nelsonii</i>	<i>Achnatherum occidentale</i>	<i>Artemisia tridentata vaseyana</i>	<i>Balsamorhiza sagittata</i>	<i>Bromus tectorum</i>	<i>Ceanothus velutinus</i>	<i>Crepis acuminata</i>
Year	Phase	Burn							
1	1	0	1.3 (1.0)	0.7 (1.1)	13.4 (9.0)	5.2 (4.9)	0.0	0.0	0.3 (0.2)
1	2	0	0.8 (0.7)	0.2 (0.4)	5.9 (4.3)	2.4 (1.6)	0.0	0.0	0.6 (0.3)
1	3	0	1.0 (0.6)	0.1 (0.1)	0.2 (0.4)	0.8 (0.7)	0.0	0.0	0.1 (0.1)
1	4	0	0.1 (0.2)	0.1 (0.3)	0.4 (0.8)	0.6 (0.8)	0.1 (0.2)	0.0	0.1 (0.2)
1	1	1	1.9 (1.8)	0.2 (0.2)	0.8 (2.1) <sup>B-</sup>	4.9 (3.7)	0.0 (0.0)	0.7 (1.5)	0.5 (0.3)
1	2	1	1.5 (0.8)	0.5 (0.5)	0.0 (0.0)	3.8 (4.5)	0.3 (0.7)	2.3 (3.2)	0.9 (0.2)
1	3	1	0.5 (0.8)	0.5 (0.8)	0.1 (0.2)	0.8 (1.3)	1.8 (4.0)	19.8 (20.1) <sup>B+</sup>	0.3 (0.5)
1	4	1	0.2 (0.3)	0.2 (0.4)	0.0	1.0 (0.9)	0.8 (1.4)	23.5 (16.9) <sup>B+</sup>	0.5 (0.5)
2	1	0	1.4 (0.9)	0.5 (1.2)	11.1 (5.8)	5.3 (3.8)	0.4 (0.9)	0.0	0.7 (0.6)
2	2	0	1.0 (0.7)	0.3 (0.5)	2.7 (3.4)	1.3 (1.2)	1.2 (1.1)	0.0	0.4 (0.3)
2	3	0	0.6 (0.4)	0.2 (0.4)	0.1 (0.2)	1.1 (0.9)	0.1 (0.1)	0.0	0.1 (0.1)
2	4	0	0.4 (0.4)	0.1 (0.3)	0.3 (0.4)	1.0 (1.6)	0.1 (0.2)	0.0	0.3 (0.3)
2	1	1	0.9 (1.0)	1.1 (1.9)	3.9 (9.0)	6.3 (4.3) <sup>A+</sup>	1.1 (1.5)	0.9 (1.6)	1.8 (0.9) <sup>A+,B+</sup>
2	2	1	4.2 (2.2) <sup>A+,B+</sup>	1.0 (1.1)	2.4 (3.1)	4.8 (5.0)	0.7 (1.6)	8.3 (10.7)	2.3 (0.8) <sup>A+,B+</sup>
2	3	1	2.2 (1.9) <sup>A+</sup>	1.7 (2.2)	0.3 (0.8)	0.5 (0.7)	0.3 (0.5)	35.0 (27.3) <sup>A+,B+</sup>	1.2 (1.0) <sup>A+,B+</sup>
2	4	1	1.4 (1.4) <sup>A+</sup>	1.6 (2.3)	0.0 (0.0)	3.5 (5.7)	0.5 (0.4)	38.0 (20.3) <sup>A+,B+</sup>	1.6 (1.3) <sup>A+,B+</sup>
			<i>Elymus elymoides</i>	<i>Festuca idahoensis</i>	<i>Juniperus occidentalis</i>	<i>Lupinus sericeus</i>	<i>Poa secunda</i>	<i>Pseudoroegneria spicata</i>	<i>Symphoricarpos oreophilus</i>
Year	Phase	Burn							
1	1	0	0.3 (0.5)	5.1 (5.5)	3.0 (2.4)	5.0 (4.7)	0.9 (0.5)	2.4 (3.3)	1.0 (1.1)
1	2	0	0.1 (0.2)	4.2 (4.2)	14.2 (8.8)	2.5 (2.3)	0.8 (0.5)	0.2 (0.2)	0.9 (1.0)
1	3	0	0.1 (0.2)	0.3 (0.4)	45.0 (14.1)	0.3 (0.6)	0.1 (0.1)	0.0 (0.0)	3.1 (2.1)
1	4	0	0.1 (0.2)	1.0 (1.5)	43.8 (15.6)	0.1 (0.2)	0.5 (0.5)	0.0 (0.1)	3.2 (7.5)
1	1	1	0.0 (0.0)	3.8 (2.0)	2.0 (2.4)	2.3 (1.6)	0.8 (0.9)	3.0 (3.1)	1.0 (0.7)
1	2	1	0.1 (0.1)	0.9 (0.9)	0.0 <sup>B-</sup>	3.9 (2.0)	1.3 (1.1)	1.3 (1.4)	0.5 (0.6)
1	3	1	0.3 (0.3)	0.6 (1.4)	8.2 (14.9) <sup>B-</sup>	0.6 (0.8)	0.5 (0.6)	0.3 (0.6)	0.3 (1.0) <sup>B-</sup>
1	4	1	0.1 (0.1)	0.0 (0.1)	0.0 <sup>B-</sup>	0.6 (1.0)	0.2 (0.5)	0.3 (0.7)	0.2 (0.5)
2	1	0	0.2 (0.2)	9.7 (5.2) <sup>A+</sup>	4.0 (2.6)	2.9 (1.1)	3.0 (0.9) <sup>A+</sup>	2.3 (2.3)	0.2 (0.3)
2	2	0	0.1 (0.1)	3.8 (4.3)	17.1 (5.8)	1.4 (1.5)	1.3 (0.8)	0.4 (0.6)	2.4 (3.5)
2	3	0	0.3 (0.2)	0.8 (1.6)	44.1 (10.8)	0.5 (1.0)	0.6 (0.6)	0.1 (0.2)	2.3 (1.4)
2	4	0	0.6 (0.4) <sup>A+</sup>	1.8 (1.6) <sup>A+</sup>	42.6 (11.3)	0.2 (0.3)	2.1 (1.8)	0.1 (0.1)	0.3 (0.5)
2	1	1	0.9 (1.4) <sup>B+</sup>	6.8 (5.0) <sup>A+</sup>	1.1 (1.6)	2.0 (1.6)	3.4 (1.6) <sup>A+</sup>	7.7 (4.7) <sup>A+,B+</sup>	0.7 (0.7)
2	2	1	2.1 (1.3) <sup>A+</sup>	3.6 (3.2) <sup>A+</sup>	0.0 (0.0) <sup>B-</sup>	2.8 (2.2)	3.9 (0.8) <sup>A+,B+</sup>	5.7 (5.0) <sup>A+,B+</sup>	1.3 (2.3)
2	3	1	4.1 (1.5) <sup>A+,B+</sup>	0.3 (0.6)	1.5 (3.0) <sup>B-</sup>	0.7 (0.9)	3.2 (2.3) <sup>A+,B+</sup>	0.9 (1.6)	1.4 (3.5)
2	4	1	5.0 (2.1) <sup>A+,B+</sup>	0.1 (0.4) <sup>B-</sup>	0.0 (0.1) <sup>B-</sup>	0.8 (1.0)	2.4 (2.9)	0.8 (1.9)	1.0 (2.9)