

Supplementary Material

Table S1. Burned area within the study area.

Fire frequency	Area (Km ²)	Percent of total area
0	8609	68
1	2884	23
2	926	7
3+	286	2

Table S2: Plant species encountered. *Astragalus* and *Lupinus* had two and three species, respectively, that were not able to be identified.

Species	Life Form	Origin
<i>Achillea millefolium</i> L.	Perennial Forb	Native
<i>Agropyron cristatum</i> (L.) Gaertn.	Perennial Graminoid	Introduced
<i>Allium</i> L.	Perennial Forb	Native
cf. <i>Allium</i> L.	Perennial Forb	Native
<i>Alyssum desertorum</i> Stapf	Annual Forb	Introduced
<i>Amsinckia intermedia</i> Fisch. & C.A. Mey.	Annual Forb	Native
<i>Artemisia arbuscula</i> Nutt.	Shrub	Native
<i>Artemisia tridentata</i> Nutt. ssp. <i>wyomingensis</i> Beetle & Young	Shrub	Native
<i>Astragalus</i> L.	Perennial Forb	Native
<i>Bassia prostrata</i> (L.) A.J. Scott	Subshrub	Introduced
<i>Bromus tectorum</i> L.	Annual Graminoid	Introduced
<i>Calochortus bruneaunis</i> A. Nelson & J.F. Macbr.	Perennial Forb	Native
<i>Cardaria draba</i> (L.) Desv.	Perennial Forb	Introduced
<i>Ceratocephala testiculata</i> (Crantz) Roth	Annual Forb	Introduced
<i>Chrysothamnus viscidiflorus</i> (Hook.) Nutt.	Shrub	Native
<i>Collinsia parviflora</i> Lindl.	Annual Forb	Native
<i>Convulvulus</i> L.	Perennial Forb	Introduced
<i>Crepis occidentalis</i> Nutt.	Perennial Forb	Native
<i>Cryptantha</i> Lehm. ex G. Don	Annual Forb	Native
<i>Cymopterus</i> Raf.	Perennial Forb	Native
<i>Delphinium glaucum</i> S. Watson	Perennial Forb	Native
<i>Descurainia pinnata</i> (Walter) Britton	Annual Forb	Native
<i>Descurainia sophia</i> (L.) Webb ex Prantl	Annual Forb	Introduced
<i>Elymus cinereus</i> (Scribn. & Merr.) Á. Löve	Perennial Graminoid	Native
<i>Ericameria nauseosa</i> (Pall. ex Pursh) G.L. Nesom & Baird	Shrub	Native
<i>Ericameria teretifolia</i> (Durand & Hilg.) Jeps.	Shrub	Native
<i>Eriogonum</i> cf. <i>umbellatum</i> Torr.	Perennial Forb	Native
<i>Erodium cicutarium</i> (L.) L'Hér. ex Aiton	Annual Forb	Introduced
<i>Gayophytum ramosissimum</i> Torr. & A. Gray	Annual Forb	Native
<i>Grayia spinosa</i> (Hook.) Moq.	Shrub	Native
<i>Iva axillaris</i> Pursh	Perennial Forb	Native
<i>Lagophylla ramosissima</i> Nutt.	Annual Forb	Native
<i>Layia glandulosa</i> (Hook.) Hook. & Arn.	Annual Forb	Native
<i>Lepidium perfoliatum</i> L.	Annual Forb	Introduced
<i>Leymus elymoides</i> (Raf.) Swezey	Perennial Graminoid	Native
<i>Lupinus argenteus</i> Pursh	Perennial Forb	Native
<i>Lupinus</i> L.	Perennial Forb	Native
<i>Microsteris gracilis</i> (Hook.) Greene	Annual Forb	Native
<i>Pascopyrum smithii</i> (Rydb.) Á. Löve	Perennial Graminoid	Native
<i>Perideridia bolanderi</i> (A. Gray) A. Nelson & J.F. Macbr.	Perennial Forb	Native
<i>Pectocarya</i> DC. ex Meisn.	Annual Forb	Native
<i>Poa secunda</i> J. Presl	Perennial Graminoid	Native
<i>Phlox diffusa</i> Benth.	Perennial Forb	Native
<i>Senecio</i> L.	Perennial Forb	Native
<i>Sisymbrium altissimum</i> L.	Annual Forb	Introduced
<i>Stephanomeria pauciflora</i> (Torr.) A. Nelson	Perennial Forb	Native
cf. <i>Symphotrichum</i> Nees	Perennial Forb	Native

Species	Life Form	Origin
<i>Taeniatherum caput-medusae</i> (L.) Nevski	Annual Graminoid	Introduced
<i>Tetradymia glabrata</i> Torr. & A. Gray	Shrub	Native
<i>Tetradymia spinosa</i> Hook. & Arn.	Shrub	Native
<i>Zigadenus</i> Michx.	Perennial Forb	Native

Table S3: Observed richness and extrapolated richness by fire frequency, with small sample correction. Chao, 1st and 2nd order jackknife, and Bootstrap are methods of estimating unobserved species per pool.

Fire Frequency	Observed Richness	Chao \pm se	1 st Order Jackknife \pm se	2 nd Order Jackknife	Bootstrap \pm se	n
Unburned	29	200 \pm 188	46 \pm 8	59	35 \pm 4	7
1 Fire	24	40 \pm 12	36 \pm 6	43	29 \pm 4	7
2 Fires	19	36 \pm 15	28 \pm 4	34	23 \pm 2	7
3 Fires	13	18 \pm 6	17 \pm 3	19	14 \pm 2	7