

Supplemental Table 1. Cumulative abundance, proportion and accumulated frequency of plant species in plots at Red Bluff, Montana for 2015, 2016 and 2017.

| Treatment | Year | Species | Cumulative Abundance | Proportion | Accumulated Frequency |
|------------------|-------------|------------------------------------|---------------------------------|-------------------|----------------------------------|
| Ungrazed | 2015 | <i>Bromus tectorum</i> | 4720 | 66.6 | 66.6 |
| control | | Forbs (combined) | 1295.5 | 18.3 | 84.9 |
| | | <i>Pseudoroegneria spicata</i> | 257 | 3.6 | 88.6 |
| | | <i>Festuca idahoensis</i> | 225 | 3.2 | 91.7 |
| | | <i>Hesperostipa comata</i> | 216 | 3 | 94.8 |
| | | <i>Pascopyrum smithii</i> | 195 | 2.8 | 97.5 |
| | | <i>Bouteloua gracilis</i> | 65 | 0.9 | 98.4 |
| | | <i>Carex filifolia</i> | 41 | 0.6 | 99 |
| | | <i>Poa secunda</i> | 34 | 0.5 | 99.5 |
| | | <i>Koeleria macranthra</i> | 25.5 | 0.4 | 99.9 |
| | | <i>Stipa viridula</i> | 9.5 | 0.1 | 100 |
| | 2016 | <i>Bromus tectorum</i> | 906 | 54 | 54 |
| | | Forbs (combined) | 429 | 25.6 | 79.6 |
| | | <i>Hesperostipa comata</i> | 70 | 4.2 | 83.8 |

| Treatment | Year | Species | Cumulative Abundance | Proportion | Accumulated Frequency |
|-----------|------|------------------------------------|-------------------------|------------|--------------------------|
| | | <i>Pascopyrum smithii</i> | 61.5 | 3.7 | 87.5 |
| | | <i>Pseudoroegneria spicata</i> | 53.5 | 3.2 | 90.7 |
| | | <i>Festuca idahoensis</i> | 49.5 | 3 | 93.6 |
| | | <i>Bouteloua gracilis</i> | 46.5 | 2.8 | 96.4 |
| | | <i>Aristida purpurea</i> | 20.5 | 1.2 | 97.6 |
| | | <i>Carex filifolia</i> | 13.5 | 0.8 | 98.4 |
| | | <i>Koeleria macranthra</i> | 10 | 0.6 | 99 |
| | | <i>Stipa viridula</i> | 9 | 0.5 | 99.6 |
| | | <i>Poa secunda</i> | 6 | 0.4 | 99.9 |
| | | <i>Carex stenophylla</i> | 1.5 | 0.1 | 100 |
| | 2017 | <i>Bromus tectorum</i> | 784.5 | 52.5 | 52.5 |
| | | Forbs (combined) | 377.5 | 25.3 | 77.7 |
| | | <i>Hesperostipa comata</i> | 104.5 | 7 | 84.7 |
| | | <i>Pascopyrum smithii</i> | 58 | 3.9 | 88.6 |
| | | <i>Pseudoroegneria spicata</i> | 54.5 | 3.6 | 92.2 |

| Treatment | Year | Species | Cumulative Abundance | Proportion | Accumulated Frequency |
|-----------|------|--------------------------------------|-------------------------|------------|--------------------------|
| | | <i>Bouteloua gracilis</i> | 30 | 2 | 94.2 |
| | | <i>Koeleria macranthra</i> | 27 | 1.8 | 96.1 |
| | | <i>Poa secunda</i> | 19 | 1.3 | 97.3 |
| | | <i>Carex stenophylla</i> | 13.5 | 0.9 | 98.2 |
| | | <i>Aristida purpurea</i> | 11 | 0.7 | 99 |
| | | <i>Festuca octoflora</i> | 8.5 | 0.6 | 99.5 |
| | | <i>Festuca idahoensis</i> | 5 | 0.3 | 99.9 |
| | | <i>Calamagrostis montanensis</i> | 1 | 0.1 | 99.9 |
| | | <i>Sporobolus cryptandrus</i> | 0.5 | 0 | 100 |
| | | <i>Carex filifolia</i> | 0.5 | 0 | 100 |
| Grazed | 2015 | <i>Bromus tectorum</i> | 4407 | 61.4 | 61.4 |
| control | | Forbs (combined) | 1824 | 25.4 | 86.8 |
| | | <i>Hesperostipa comata</i> | 254.5 | 3.5 | 90.4 |
| | | <i>Bouteloua gracilis</i> | 194 | 2.7 | 93.1 |
| | | <i>Festuca idahoensis</i> | 166.5 | 2.3 | 95.4 |

| Treatment | Year | Species | Cumulative Abundance | Proportion | Accumulated Frequency |
|-----------|------|------------------------------------|-------------------------|------------|--------------------------|
| | | <i>Pseudoroegneria spicata</i> | 123.5 | 1.7 | 97.1 |
| | | <i>Pascopyrum smithii</i> | 110.5 | 1.5 | 98.6 |
| | | <i>Koeleria macranthra</i> | 65.5 | 0.9 | 99.5 |
| | | <i>Poa secunda</i> | 19.5 | 0.3 | 99.8 |
| | | <i>Stipa viridula</i> | 9 | 0.1 | 99.9 |
| | | <i>Carex filifolia</i> | 4 | 0.1 | 100 |
| | 2016 | <i>Bromus tectorum</i> | 796 | 55.1 | 55.1 |
| | | Forbs (combined) | 452 | 31.3 | 86.3 |
| | | <i>Hesperostipa comata</i> | 52.5 | 3.6 | 90 |
| | | <i>Pascopyrum smithii</i> | 46 | 3.2 | 93.2 |
| | | <i>Festuca idahoensis</i> | 28.5 | 2 | 95.1 |
| | | <i>Bouteloua gracilis</i> | 26 | 1.8 | 96.9 |
| | | <i>Pseudoroegneria spicata</i> | 18 | 1.2 | 98.2 |
| | | <i>Carex stenophylla</i> | 14 | 1 | 99.1 |
| | | <i>Carex filifolia</i> | 5.5 | 0.4 | 99.5 |

| Treatment | Year | Species | Cumulative Abundance | Proportion | Accumulated Frequency |
|-------------|------|------------------------------------|-------------------------|------------|--------------------------|
| | | <i>Koeleria macranthra</i> | 4 | 0.3 | 99.8 |
| | | <i>Poa secunda</i> | 2.5 | 0.2 | 100 |
| | | <i>Aristida purpurea</i> | 0.5 | 0 | 100 |
| | 2017 | <i>Bromus tectorum</i> | 741 | 41.8 | 41.8 |
| | | Forbs (combined) | 667 | 37.6 | 79.4 |
| | | <i>Hesperostipa comata</i> | 115 | 6.5 | 85.9 |
| | | <i>Pascopyrum smithii</i> | 62 | 3.5 | 89.3 |
| | | <i>Bouteloua gracilis</i> | 57 | 3.2 | 92.6 |
| | | <i>Festuca idahoensis</i> | 30 | 1.7 | 94.3 |
| | | <i>Carex stenophylla</i> | 27.5 | 1.6 | 95.8 |
| | | <i>Poa secunda</i> | 18 | 1 | 96.8 |
| | | <i>Pseudoroegneria spicata</i> | 17 | 1 | 97.8 |
| | | <i>Koeleria macranthra</i> | 16.5 | 0.9 | 98.7 |
| | | <i>Aristida purpurea</i> | 11.5 | 0.6 | 99.4 |
| | | <i>Festuca octoflora</i> | 11.5 | 0.6 | 100 |
| Grazed fall | 2016 | <i>Bromus tectorum</i> | 688 | 49.7 | 49.7 |

| Treatment | Year | Species | Cumulative Abundance | Proportion | Accumulated Frequency |
|------------|------|------------------------------------|-------------------------|------------|--------------------------|
| glyphosate | | Forbs (combined) | 506 | 36.5 | 86.2 |
| | | <i>Festuca idahoensis</i> | 56 | 4 | 90.3 |
| | | <i>Hesperostipa comata</i> | 50 | 3.6 | 93.9 |
| | | <i>Bouteloua gracilis</i> | 36.5 | 2.6 | 96.5 |
| | | <i>Pseudoroegneria spicata</i> | 11 | 0.8 | 97.3 |
| | | <i>Carex filifolia</i> | 10.5 | 0.8 | 98.1 |
| | | <i>Carex stenophylla</i> | 8 | 0.6 | 98.6 |
| | | <i>Pascopyrum smithii</i> | 5.5 | 0.4 | 99 |
| | | <i>Poa secunda</i> | 5.5 | 0.4 | 99.4 |
| | | <i>Aristida purpurea</i> | 5 | 0.4 | 99.8 |
| | | <i>Koeleria macranthra</i> | 3 | 0.2 | 100 |
| 2017 | | Forbs (combined) | 741 | 44.7 | 44.7 |
| | | <i>Bromus tectorum</i> | 584.5 | 35.2 | 79.9 |
| | | <i>Hesperostipa comata</i> | 112 | 6.8 | 86.7 |
| | | <i>Festuca idahoensis</i> | 56.5 | 3.4 | 90.1 |
| | | <i>Bouteloua gracilis</i> | 46 | 2.8 | 92.9 |

| Treatment | Year | Species | Cumulative Abundance | Proportion | Accumulated Frequency |
|------------------|-------------|------------------------------------|---------------------------------|-------------------|----------------------------------|
| | | <i>Poa secunda</i> | 31.5 | 1.9 | 94.8 |
| | | <i>Carex stenophylla</i> | 22.5 | 1.4 | 96.1 |
| | | <i>Koeleria macranthra</i> | 18.5 | 1.1 | 97.2 |
| | | <i>Pseudoroegneria spicata</i> | 18 | 1.1 | 98.3 |
| | | <i>Pascopyrum smithii</i> | 10.5 | 0.6 | 98.9 |
| | | <i>Festuca octoflora</i> | 6 | 0.4 | 99.3 |
| | | <i>Sporobolus cryptandrus</i> | 3 | 0.2 | 99.5 |
| | | <i>Stipa viridula</i> | 3 | 0.2 | 99.7 |
| | | <i>Carex filifolia</i> | 2 | 0.1 | 99.8 |
| | | <i>Oryzopsis hymenoides</i> | 2 | 0.1 | 99.9 |
| | | <i>Aristida purpurea</i> | 1.5 | 0.1 | 100 |
| Grazed fall | 2016 | <i>Bromus tectorum</i> | 415 | 39.4 | 39.4 |
| imazapic | | Forbs (combined) | 359 | 34.1 | 73.6 |
| | | <i>Hesperostipa comata</i> | 113.5 | 10.8 | 84.4 |
| | | <i>Bouteloua gracilis</i> | 58 | 5.5 | 89.9 |

| Treatment | Year | Species | Cumulative Abundance | Proportion | Accumulated Frequency |
|-----------|------|------------------------------------|-------------------------|------------|--------------------------|
| | | <i>Poa secunda</i> | 23 | 2.2 | 92.1 |
| | | <i>Pascopyrum smithii</i> | 22 | 2.1 | 94.2 |
| | | <i>Pseudoroegneria spicata</i> | 17.5 | 1.7 | 95.8 |
| | | <i>Stipa viridula</i> | 14 | 1.3 | 97.1 |
| | | <i>Festuca idahoensis</i> | 11 | 1 | 98.2 |
| | | <i>Koeleria macranthra</i> | 10 | 1 | 99.1 |
| | | <i>Carex filifolia</i> | 5 | 0.5 | 99.6 |
| | | <i>Oryzopsis hymenoides</i> | 2 | 0.2 | 99.8 |
| | | <i>Aristida purpurea</i> | 1 | 0.1 | 99.9 |
| | | <i>Sporobolus cryptandrus</i> | 1 | 0.1 | 100 |
| | 2017 | Forbs (combined) | 553.5 | 35.7 | 35.7 |
| | | <i>Bromus tectorum</i> | 506 | 32.6 | 68.4 |
| | | <i>Hesperostipa comata</i> | 179.5 | 11.6 | 79.9 |
| | | <i>Bouteloua gracilis</i> | 77.5 | 5 | 84.9 |
| | | <i>Festuca idahoensis</i> | 54.5 | 3.5 | 88.5 |

| Treatment | Year | Species | Cumulative Abundance | Proportion | Accumulated Frequency |
|-------------|------|------------------------------------|-------------------------|------------|--------------------------|
| | | <i>Poa secunda</i> | 36 | 2.3 | 90.8 |
| | | <i>Pascopyrum smithii</i> | 29.5 | 1.9 | 92.7 |
| | | <i>Pseudoroegneria spicata</i> | 29.5 | 1.9 | 94.6 |
| | | <i>Stipa viridula</i> | 25 | 1.6 | 96.2 |
| | | <i>Koeleria macranthra</i> | 21 | 1.4 | 97.5 |
| | | <i>Aristida purpurea</i> | 16 | 1 | 98.6 |
| | | <i>Festuca octoflora</i> | 10 | 0.6 | 99.2 |
| | | <i>Carex stenophylla</i> | 8 | 0.5 | 99.7 |
| | | <i>Oryzopsis hymenoides</i> | 4 | 0.3 | 100 |
| Grazed fall | 2016 | <i>Bromus tectorum</i> | 481 | 42.2 | 42.2 |
| rimsulfuron | | Forbs (combined) | 427 | 37.5 | 79.7 |
| | | <i>Hesperostipa comata</i> | 67 | 5.9 | 85.6 |
| | | <i>Pascopyrum smithii</i> | 45.5 | 4 | 89.6 |
| | | <i>Bouteloua gracilis</i> | 37 | 3.2 | 92.8 |
| | | <i>Pseudoroegneria spicata</i> | 20.5 | 1.8 | 94.6 |

| Treatment | Year | Species | Cumulative Abundance | Proportion | Accumulated Frequency |
|------------------|-------------|--------------------------------------|---------------------------------|-------------------|----------------------------------|
| | | <i>Festuca idahoensis</i> | 17.5 | 1.5 | 96.2 |
| | | <i>Carex stenophylla</i> | 10 | 0.9 | 97.1 |
| | | <i>Koeleria macranthra</i> | 7.5 | 0.7 | 97.7 |
| | | <i>Stipa viridula</i> | 7 | 0.6 | 98.3 |
| | | <i>Aristida purpurea</i> | 6 | 0.5 | 98.9 |
| | | <i>Carex filifolia</i> | 5 | 0.4 | 99.3 |
| | | <i>Poa secunda</i> | 4 | 0.4 | 99.6 |
| | | <i>Sporobolus cryptandrus</i> | 2 | 0.2 | 99.8 |
| | | <i>Calamagrostis montanensis</i> | 1 | 0.1 | 99.9 |
| | | <i>Oryzopsis hymenoides</i> | 1 | 0.1 | 100 |
| | 2017 | Forbs (combined) | 711 | 44.6 | 44.6 |
| | | <i>Bromus tectorum</i> | 492 | 30.9 | 75.5 |
| | | <i>Hesperostipa comata</i> | 102 | 6.4 | 81.9 |
| | | <i>Pascopyrum smithii</i> | 73.5 | 4.6 | 86.5 |
| | | <i>Bouteloua gracilis</i> | 58 | 3.6 | 90.1 |

| Treatment | Year | Species | Cumulative Abundance | Proportion | Accumulated Frequency |
|------------|------|------------------------------------|-------------------------|------------|--------------------------|
| | | <i>Festuca idahoensis</i> | 42 | 2.6 | 92.8 |
| | | <i>Pseudoroegneria spicata</i> | 28 | 1.8 | 94.5 |
| | | <i>Festuca octoflora</i> | 25.5 | 1.6 | 96.1 |
| | | <i>Poa secunda</i> | 23.5 | 1.5 | 97.6 |
| | | <i>Carex stenophylla</i> | 9 | 0.6 | 98.1 |
| | | <i>Koeleria macranthra</i> | 9 | 0.6 | 98.7 |
| | | <i>Aristida purpurea</i> | 8.5 | 0.5 | 99.2 |
| | | <i>Sporobolus cryptandrus</i> | 6.5 | 0.4 | 99.7 |
| | | <i>Stipa viridula</i> | 5 | 0.3 | 100 |
| | | <i>Oryzopsis hymenoides</i> | 0.5 | 0 | 100 |
| Ungrazed | 2016 | Forbs (combined) | 278 | 37.9 | 37.9 |
| fall | | <i>Bromus tectorum</i> | 261 | 35.6 | 73.5 |
| glyphosate | | <i>Pascopyrum smithii</i> | 125.5 | 17.1 | 90.6 |
| | | <i>Hesperostipa comata</i> | 42 | 5.7 | 96.3 |
| | | <i>Festuca idahoensis</i> | 11 | 1.5 | 97.8 |

| Treatment | Year | Species | Cumulative Abundance | Proportion | Accumulated Frequency |
|-----------|------|------------------------------------|-------------------------|------------|--------------------------|
| | | <i>Bouteloua gracilis</i> | 4 | 0.5 | 98.4 |
| | | <i>Pseudoroegneria spicata</i> | 3 | 0.4 | 98.8 |
| | | <i>Carex filifolia</i> | 3 | 0.4 | 99.2 |
| | | <i>Koeleria macranthra</i> | 2 | 0.3 | 99.5 |
| | | <i>Festuca octoflora</i> | 2 | 0.3 | 99.7 |
| | | <i>Poa secunda</i> | 1 | 0.1 | 99.9 |
| | | <i>C.longifolia</i> | 0.5 | 0.1 | 99.9 |
| | | <i>Carex stenophylla</i> | 0.5 | 0.1 | 100 |
| | 2017 | <i>Bromus tectorum</i> | 273 | 35.4 | 35.4 |
| | | Forbs (combined) | 216 | 28 | 63.5 |
| | | <i>Pascopyrum smithii</i> | 140 | 18.2 | 81.6 |
| | | <i>Hesperostipa comata</i> | 41.5 | 5.4 | 87 |
| | | <i>Festuca idahoensis</i> | 40 | 5.2 | 92.2 |
| | | <i>Festuca octoflora</i> | 20 | 2.6 | 94.8 |
| | | <i>Carex stenophylla</i> | 11 | 1.4 | 96.2 |

| Treatment | Year | Species | Cumulative Abundance | Proportion | Accumulated Frequency |
|-----------|------|------------------------------------|-------------------------|------------|--------------------------|
| | | <i>Pseudoroegneria spicata</i> | 9 | 1.2 | 97.4 |
| | | <i>Koeleria macrantha</i> | 8.5 | 1.1 | 98.5 |
| | | <i>Poa secunda</i> | 8 | 1 | 99.5 |
| | | <i>Bouteloua gracilis</i> | 3.5 | 0.5 | 100 |
| Ungrazed | 2016 | <i>Bromus tectorum</i> | 861 | 52.9 | 52.9 |
| fall | | Forbs (combined) | 383 | 23.5 | 76.4 |
| imazapic | | <i>Hesperostipa comata</i> | 108.5 | 6.7 | 83.1 |
| | | <i>Pascopyrum smithii</i> | 104 | 6.4 | 89.5 |
| | | <i>Pseudoroegneria spicata</i> | 51 | 3.1 | 92.6 |
| | | <i>Festuca idahoensis</i> | 38 | 2.3 | 94.9 |
| | | <i>Bouteloua gracilis</i> | 26.5 | 1.6 | 96.6 |
| | | <i>Stipa viridula</i> | 14 | 0.9 | 97.4 |
| | | <i>Carex filifolia</i> | 10.5 | 0.6 | 98.1 |
| | | C.longifolia | 10 | 0.6 | 98.7 |
| | | <i>Koeleria macrantha</i> | 8.5 | 0.5 | 99.2 |

| Treatment | Year | Species | Cumulative Abundance | Proportion | Accumulated Frequency |
|-----------|------|--------------------------------------|-------------------------|------------|--------------------------|
| | | <i>Poa secunda</i> | 5.5 | 0.3 | 99.5 |
| | | <i>Aristida purpurea</i> | 5 | 0.3 | 99.8 |
| | | <i>Carex stenophylla</i> | 1 | 0.1 | 99.9 |
| | | <i>Sporobolus cryptandrus</i> | 1 | 0.1 | 100 |
| | | <i>Calamagrostis montanensis</i> | 0.5 | 0 | 100 |
| 2017 | | <i>Bromus tectorum</i> | 941 | 46.5 | 46.5 |
| | | Forbs (combined) | 507 | 25.1 | 71.6 |
| | | <i>Hesperostipa comata</i> | 164.5 | 8.1 | 79.7 |
| | | <i>Pascopyrum smithii</i> | 142 | 7 | 86.7 |
| | | <i>Pseudoroegneria spicata</i> | 74 | 3.7 | 90.4 |
| | | <i>Festuca octoflora</i> | 41.5 | 2.1 | 92.4 |
| | | <i>Bouteloua gracilis</i> | 35 | 1.7 | 94.1 |
| | | <i>Festuca idahoensis</i> | 34.5 | 1.7 | 95.8 |
| | | <i>Stipa viridula</i> | 30 | 1.5 | 97.3 |

| Treatment | Year | Species | Cumulative Abundance | Proportion | Accumulated Frequency |
|------------------|-------------|------------------------------------|---------------------------------|-------------------|----------------------------------|
| | | <i>Poa secunda</i> | 21 | 1 | 98.4 |
| | | <i>Koeleria macranthra</i> | 15 | 0.7 | 99.1 |
| | | <i>Carex stenophylla</i> | 13.5 | 0.7 | 99.8 |
| | | <i>Aristida purpurea</i> | 4 | 0.2 | 100 |
| | | <i>Sporobolus cryptandrus</i> | 0.5 | 0 | 100 |
| Ungrazed | 2016 | <i>Bromus tectorum</i> | 382 | 47.5 | 47.5 |
| fall | | Forbs (combined) | 297 | 36.9 | 84.4 |
| rimsulfuron | | <i>Pseudoroegneria spicata</i> | 35 | 4.4 | 88.8 |
| | | <i>Pascopyrum smithii</i> | 25 | 3.1 | 91.9 |
| | | <i>Festuca idahoensis</i> | 19.5 | 2.4 | 94.3 |
| | | <i>Hesperostipa comata</i> | 19.5 | 2.4 | 96.7 |
| | | <i>Bouteloua gracilis</i> | 10 | 1.2 | 97.9 |
| | | <i>Carex filifolia</i> | 6 | 0.7 | 98.7 |
| | | <i>Carex stenophylla</i> | 4 | 0.5 | 99.2 |
| | | <i>Aristida purpurea</i> | 4 | 0.5 | 99.7 |

| Treatment | Year | Species | Cumulative Abundance | Proportion | Accumulated Frequency |
|-----------|------|------------------------------------|-------------------------|------------|--------------------------|
| | | <i>Koeleria macranthra</i> | 1.5 | 0.2 | 99.9 |
| | | <i>Poa secunda</i> | 1 | 0.1 | 100 |
| | 2017 | <i>Bromus tectorum</i> | 584 | 54.1 | 54.1 |
| | | Forbs (combined) | 349 | 32.3 | 86.4 |
| | | <i>Pseudoroegneria spicata</i> | 47 | 4.4 | 90.8 |
| | | <i>Pascopyrum smithii</i> | 26 | 2.4 | 93.2 |
| | | <i>Hesperostipa comata</i> | 23.5 | 2.2 | 95.4 |
| | | <i>Poa secunda</i> | 15.5 | 1.4 | 96.8 |
| | | <i>Aristida purpurea</i> | 11 | 1 | 97.8 |
| | | <i>Carex stenophylla</i> | 8 | 0.7 | 98.6 |
| | | <i>Festuca idahoensis</i> | 7 | 0.6 | 99.2 |
| | | <i>Bouteloua gracilis</i> | 6 | 0.6 | 99.8 |
| | | <i>Festuca octoflora</i> | 1.5 | 0.1 | 99.9 |
| | | <i>Koeleria macranthra</i> | 1 | 0.1 | 100 |
| Ungrazed | 2015 | <i>Bromus tectorum</i> | 4407 | 61.4 | 61.4 |
| spring | | Forbs (combined) | 1824 | 25.4 | 86.8 |

| Treatment | Year | Species | Cumulative Abundance | Proportion | Accumulated Frequency |
|------------|------|------------------------------------|-------------------------|------------|--------------------------|
| glyphosate | | <i>Hesperostipa comata</i> | 254.5 | 3.5 | 90.4 |
| | | <i>Bouteloua gracilis</i> | 194 | 2.7 | 93.1 |
| | | <i>Festuca idahoensis</i> | 166.5 | 2.3 | 95.4 |
| | | <i>Pseudoroegneria spicata</i> | 123.5 | 1.7 | 97.1 |
| | | <i>Pascopyrum smithii</i> | 110.5 | 1.5 | 98.6 |
| | | <i>Koeleria macranthra</i> | 65.5 | 0.9 | 99.5 |
| | | <i>Poa secunda</i> | 19.5 | 0.3 | 99.8 |
| | | <i>Stipa viridula</i> | 9 | 0.1 | 99.9 |
| | | <i>Carex filifolia</i> | 4 | 0.1 | 100 |
| | | | | | |
| 2016 | | <i>Bromus tectorum</i> | 382 | 48.7 | 48.7 |
| | | Forbs (combined) | 221 | 28.2 | 76.9 |
| | | <i>Hesperostipa comata</i> | 71 | 9.1 | 85.9 |
| | | <i>Pseudoroegneria spicata</i> | 32 | 4.1 | 90 |
| | | <i>Pascopyrum smithii</i> | 26 | 3.3 | 93.3 |
| | | <i>Festuca idahoensis</i> | 17 | 2.2 | 95.5 |
| | | | | | |

| Treatment | Year | Species | Cumulative Abundance | Proportion | Accumulated Frequency |
|-----------|------|------------------------------------|-------------------------|------------|--------------------------|
| | | <i>Stipa viridula</i> | 11 | 1.4 | 96.9 |
| | | <i>Carex filifolia</i> | 9 | 1.1 | 98 |
| | | <i>Poa secunda</i> | 5 | 0.6 | 98.7 |
| | | <i>Koeleria macranthra</i> | 4.5 | 0.6 | 99.2 |
| | | <i>Bouteloua gracilis</i> | 4 | 0.5 | 99.7 |
| | | <i>Carex stenophylla</i> | 1 | 0.1 | 99.9 |
| | | <i>Sporobolus cryptandrus</i> | 1 | 0.1 | 100 |
| 2017 | | <i>Bromus tectorum</i> | 371 | 47.3 | 47.3 |
| | | Forbs (combined) | 186 | 23.7 | 71 |
| | | <i>Hesperostipa comata</i> | 66 | 8.4 | 79.4 |
| | | <i>Pascopyrum smithii</i> | 48 | 6.1 | 85.5 |
| | | <i>Festuca idahoensis</i> | 30 | 3.8 | 89.3 |
| | | <i>Pseudoroegneria spicata</i> | 29.5 | 3.8 | 93.1 |
| | | <i>Koeleria macranthra</i> | 18.5 | 2.4 | 95.4 |
| | | <i>Stipa viridula</i> | 9.5 | 1.2 | 96.6 |

| Treatment | Year | Species | Cumulative Abundance | Proportion | Accumulated Frequency |
|------------|------|----------------------------|-------------------------|------------|--------------------------|
| | | <i>Festuca octoflora</i> | 9 | 1.1 | 97.8 |
| | | <i>Poa secunda</i> | 6 | 0.8 | 98.5 |
| | | <i>Bouteloua gracilis</i> | 6 | 0.8 | 99.3 |
| | | <i>Carex stenophylla</i> | 4.5 | 0.6 | 99.9 |
| | | <i>Carex filifolia</i> | 1 | 0.1 | 100 |
| Ungrazed | 2016 | Forbs (combined) | 259 | 43.3 | 43.3 |
| spring | | <i>Bromus tectorum</i> | 148 | 24.8 | 68.1 |
| glyphosate | | <i>Hesperostipa comata</i> | 79 | 13.2 | 81.3 |
| + | | <i>Festuca idahoensis</i> | 31 | 5.2 | 86.5 |
| fall | | <i>Pseudoroegneria</i> | 29 | 4.9 | 91.4 |
| imazapic | | <i>spicata</i> | | | |
| | | <i>Pascopyrum smithii</i> | 21.5 | 3.6 | 95 |
| | | <i>Bouteloua gracilis</i> | 17.5 | 2.9 | 97.9 |
| | | <i>Koeleria macranthra</i> | 4 | 0.7 | 98.6 |
| | | <i>Carex filifolia</i> | 3.5 | 0.6 | 99.2 |
| | | <i>Poa secunda</i> | 3 | 0.5 | 99.7 |
| | | <i>Carex stenophylla</i> | 1 | 0.2 | 99.8 |

| Treatment | Year | Species | Cumulative Abundance | Proportion | Accumulated Frequency |
|-----------|------|------------------------------------|-------------------------|------------|--------------------------|
| | | <i>Stipa viridula</i> | 1 | 0.2 | 100 |
| | 2017 | <i>Bromus tectorum</i> | 302 | 35.6 | 35.6 |
| | | Forbs (combined) | 243 | 28.6 | 64.2 |
| | | <i>Hesperostipa comata</i> | 153 | 18 | 82.3 |
| | | <i>Pascopyrum smithii</i> | 52 | 6.1 | 88.4 |
| | | <i>Festuca idahoensis</i> | 38 | 4.5 | 92.9 |
| | | <i>Bouteloua gracilis</i> | 16 | 1.9 | 94.8 |
| | | <i>Pseudoroegneria spicata</i> | 14 | 1.6 | 96.4 |
| | | <i>Poa secunda</i> | 9 | 1.1 | 97.5 |
| | | <i>Carex stenophylla</i> | 7 | 0.8 | 98.3 |
| | | <i>Festuca octoflora</i> | 6.5 | 0.8 | 99.1 |
| | | <i>Koeleria macranthra</i> | 6 | 0.7 | 99.8 |
| | | <i>Stipa viridula</i> | 1 | 0.1 | 99.9 |
| | | <i>Aristida purpurea</i> | 1 | 0.1 | 100 |

