Scipio – Cut and Leave; Subplot #5 – 0 meters
Treated 2007

• All trees were effectively removed from this sub-plot in late 2007, and no significant re-sprouting or re-colonization has occurred since then. Felled trees had lost most needles by 2010, and dead tree structure had collapsed by 2013, with a greater proportion of stems in contact with the ground.

• Mass of down woody debris <3” diameter exceeded 3500 kg/ha only in 2009, probably because the measurement transect crossed directly over one of the previously cut trees.

• Cheatgrass is common throughout the sequence, with cover ranging from 20 to 46% – treatment seems to have done little to change this.

• Bunchgrass individuals appear to be stressed pre-treatment (2006), but show substantial growth post-treatment, resulting in large, healthy-looking individuals by May 2013.

• Bunchgrass individuals appear to be stressed pre-treatment (2006), but show substantial growth post-treatment, resulting in large, healthy-looking individuals by May 2013.

• Shrubs appear to reasonably healthy in all photos, but average shrub size increased by 2013, as indicated by higher percent cover and lower shrub density.

• Overall, this sequence reflects steady and substantial herbaceous and shrub growth over seven years, but cheatgrass and the invasive forb pepperweed are still very common in this sub-plot.

### Data

#### 2006-July

- Tree Seedling: 262
- Shrub D.: 114
- Shrub C.: 15
- Shrub B.: 2
- A. Grass: 45
- B. Ground: 90
- Basal Gap: 50

#### 2007-July

- Tree Seedling: 84
- Shrub D.: 81
- Shrub C.: 15
- Shrub B.: 2
- P. Grass: 18
- A. Grass: 25
- B. Ground: 95
- Basal Gap: 22

#### 2010-June

- Tree Seedling: 111
- Shrub D.: 81
- Shrub C.: 15
- Shrub B.: 2
- P. Grass: 18
- A. Grass: 25
- B. Ground: 95
- Basal Gap: 22

#### 2013-May

- Tree Seedling: 644
- Shrub D.: 283
- Shrub C.: 2
- Shrub B.: 2
- P. Grass: 18
- A. Grass: 25
- B. Ground: 95
- Basal Gap: 22

#### 2017-July

- Tree Seedling: 151
- Shrub D.: 450
- Shrub C.: 25
- Shrub B.: 2
- P. Grass: 18
- A. Grass: 25
- B. Ground: 95
- Basal Gap: 22

### Discussion

#### Vegetation/Ground Cover

- **(Woody fuel measured in kg per ha and combined)**
  - 10-hr <1” diameter
  - 100-hr 1-3” diameter

#### Data Key

- **10+100 hr Fuels**
- **Tree Seedlings**
- **Shrub Density**
- **Vegetation/Ground Cover**
- **Basal Gap**

### Treatment Data by Year from Plot #5 – 0 meters

<table>
<thead>
<tr>
<th>Year</th>
<th>Tree Seedling</th>
<th>Shrub Density</th>
<th>Forb Cover</th>
<th>P. Grass Cover</th>
<th>A. Grass Cover</th>
<th>Mass+Lichen Cover</th>
<th>Bare Ground Cover</th>
<th>Basal Gap</th>
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</tbody>
</table>

### Treatment Data by Year from Plot #5 – 0 meters

- **(Measured in # per ha)**
- **(Measured in percent cover)**
- **(Measured in average cm)**