

Ecological Site Description ID:		R231XY101AK							
Ecological Dynamics of the Site:									
<p>This alpine ecological site generally occurred on the summit and shoulders of mountains with low slopes (i.e. < 15% slopes). Earth hummocks which were associated with cryoturbation are commonly observed within this ecological site. Vegetated soil and surface rock were generally evenly distributed across the site. Surface rocks were generally colonized by foliose and crustose lichens. Disturbance resulting in other plant community phases was not observed. Site was similar to R231XY105AK but was considered to have lower pH parent material. For community phase 1.1, soils were classified as haplogelepts and were composed of organic matter over gravelly cryoturbate.</p>									
State and Transition Diagram:									
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%; padding: 5px;">1. Reference State</td> <td style="width: 60%; padding: 5px; text-align: center;">Alpine dwarf scrub gravelly hummock</td> <td style="width: 25%; padding: 5px; text-align: right;">R231XY101AK</td> </tr> <tr> <td colspan="3" style="text-align: center; padding: 10px;"> <div style="border: 1px solid black; width: 80%; margin: 0 auto; padding: 5px;"> <p style="margin: 0;">1.1 (HCPC)</p> <p style="margin: 0;">mountain avens-mixed dwarf scrub-lichen dwarf scrubland</p> </div> </td> </tr> </table>				1. Reference State	Alpine dwarf scrub gravelly hummock	R231XY101AK	<div style="border: 1px solid black; width: 80%; margin: 0 auto; padding: 5px;"> <p style="margin: 0;">1.1 (HCPC)</p> <p style="margin: 0;">mountain avens-mixed dwarf scrub-lichen dwarf scrubland</p> </div>		
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State ID Number:	1	State Name:	Reference						
State Narrative:	<p>For the climax phase, dominant vegetation was a mixture of dwarf shrubs and lichen. Only one phase for the reference state was observed. Dwarf scrubs are defined to grow less than 8 inches in height.</p>								

Photo 1.1



Community Phase Number:

1.1

Community Phase Name:

mountain avens-mixed dwarf scrub-lichen dwarf scrubland

Community Phase Narrative:

Dwarf shrub diversity and cover was high (i.e. 15 species; >50% cover) and commonly observed species were *Dryas octopetala*, *Salix sp.*, and *Loiseleuria procumbens*. Low and medium shrubs, such as *Betula glandulosa*, were present at times but not a dominant vegetative component within this ecological site. While high in diversity, both graminoids and forbs were a minor vegetative component of this phase. Commonly observed graminoids included *Carex bigelowii* and *Festuca altaica*. Lichen diversity and cover was high (i.e. >20 species observed; >40% ground cover) but all species had limited individual cover. Common lichens include *Thamnolia sublifformis* and *Flavocetraria cucullata*.

Community Pathways

Pathway Number

Pathway Name & Description

1.1 a

No observed pathway.