

Ecological Site Description ID:	F222XY350AK
Ecological Dynamics of the Site:	
<p>This ecological site is in linear to concave positions in the subalpine life zone. These areas generally are more protected from wind as compared with linear to convex positions (ecological sites F222XY352AK and F222XY355AK). The soils are gravelly and shallow to moderately deep.</p> <p>This plant community is a krummholz forest of <i>Tsuga mertensiana</i> and Sitka spruce (<i>Picea sitchensis</i>). Exposure to cold temperatures and wind in the subalpine zone limits tree growth, giving the trees a stunted and deformed appearance. The trees commonly grow in high elevation areas sheltered by rock formations or in concave positions.</p>	
State and Transition Model:	
<div style="border: 1px solid black; padding: 10px; margin: 10px auto; width: 80%;"> <div style="border: 1px solid black; padding: 5px; margin: 5px auto; width: 90%;"> <p style="text-align: center;">Subalpine Forest Gravelly Slopes F222XY350AK</p> <p style="margin-left: 20px;">1. Reference State</p> <div style="border: 1px solid black; padding: 5px; margin: 5px auto; width: 60%; text-align: center;"> <p>Reference Community Phase 1.1 (RCP) Stunted <i>Tsuga Mertensiana</i> and <i>Picea Sitchensis</i> Forest</p> </div> </div> </div>	

State ID Number:	1	State Name:	Reference state
Phase 1.1			
Community Phase Number:	1.1	Community Phase Name:	Stunted <i>Tsuga Mertensiana</i> and <i>Picea Sitchensis</i> Forest
Community Phase Narrative:			
<p>This community phase represents the historical climax community. It is characterized by a krummolz forest with as much as 40 percent stunted tree cover of <i>Tsuga mertensiana</i> and Sitka spruce (<i>Picea sitchensis</i>). Subalpine fir (<i>Abies lasiocarpa</i>) may be present in small proportions. Various dwarf shrubs, lichen, and moss are between clumps of stunted trees. Dwarf shrub species include <i>Empetrum nigrum</i>, <i>Cornus canadensis</i>, <i>Rubus pedatus</i>, <i>Rubus pedatus</i>, <i>Phyllodoce glanduliflora</i>, <i>Cassiope lycopodioides</i>, and <i>Luetkea pectinata</i>. Lichen cover 0 to 50 percent. Commonly observed lichen species include <i>Cladina stellaris</i>, <i>Cladina rangiferina</i>, <i>Nephroma arcticum</i>, and <i>Stereocaulon</i>. Moss cover may be as much as 15 percent, and forb cover is less 5 percent with species such as <i>Saxifraga mertensiana</i> and <i>Chamerion angustifolium</i>.</p>			
Community Pathways			
Pathway Number	Pathway Name & Description		
Not applicable	No community phase pathways have been observed.		