

## IDAHO RARE PLANT OBSERVATION REPORT 2011

Please fill in as many fields as possible, but don't worry if you have to leave blanks. Many fields contain check boxes (double click on box, and click 'checked'). E-mail completed form to [plant@idfg.idaho.gov](mailto:plant@idfg.idaho.gov)  
If you need to mail maps or other materials that can't be sent electronically, send them to Botany Data Coordinator, Idaho Department of Fish and Game, PO Box 25, 600 S. Walnut St., Boise ID 83707-0025.  
Thanks for contributing to rare plant conservation in Idaho!

Species: *Pinus albicaulis*

Date(s): 7/2-8/14/14

Observer(s): Graham Johnson, Dave Tank

Agency/Organization/Company: US Forest Service

Address: 500 N. Mission St. McCall, Id 83638

E-mail: ahanson01@fs.fed.us **Alma Hanson, Payette NF** Phone: 208-634-0787

Other knowledgeable individuals:

Observation was:  very thorough  fairly thorough  cursory or incidental

If this observation is part of a larger study or report, what is the study/report? Mill Creek-Council Mt. Landscape Restoration Project TES Plant Report

Certainty of identification:  moderate  high  verified by:

Specimen collector/Collection #:

Herbarium:

Photo attached?  yes  no If photos are located elsewhere, where are they?

---

### Population Information (for entire population; information on subpopulations goes on next page)

Survey site name (e.g., a particular landmark or location): Council Mt. Site

Element occurrence (EO) #, if known:

Population area (extent of all subpopulations): about five square miles

Do you feel you mapped the full extent of the population?  yes  no  unsure

Is there more potential habitat in the area that hasn't been surveyed?  yes  no  unsure

Suggestions for other areas to survey: Other high ridges and peaks in the West Mountains between Council and Donnelly, Id.

Monitoring or research needs for this population:

Management needs for this population:

Additional population comments: Attached is a document with a species list, the mapped extent of the population, and in-depth description of the population information.

Directions (please be specific so population/subpopulations can be relocated years from now by others): This population is located on the peaks and ridges of Council Mt., a prominent point and series of ridge lines in the middle of the West Mountains between Council, Id and Donnelly, Id. It is a large roadless area but can be accessed by many trails (198, 203, 201, and 210) with many different roads leading to the general roadless area. The site is very large, so a person's route in will vary depending on what area of the site the person is traveling to.

---

**Subpopulation information** (Copy this page and the next as needed—one for each subpopulation. If visits to individual subpopulations aren't made, fill out one for whole population.)

Subpopulation number #: Indian Mt. Site Date of Observation: 7/2/14 Observer(s):

Grahm Johnson, Dave Tank

Total number of individuals in subpopulation: 30 This number is:  actual  minimum  estimated

What was counted?  genets  ramets  N/A (non-vascular etc.)  unknown

Phenology--% seedling: % vegetative: % flower: % fruit: % dormant: 100 % unknown:

Subpopulation area: Subpopulation vigor:  excellent  good  fair  poor  unknown

Do you feel you mapped the full extent of this subpopulation?  yes  no  unsure

Dominant species (existing plant community): *Abies lasiocarpa*,

*Pseudotsuga menziesii*, *Lupine* sp., *Artemisia tridentate*

Habitat type (potential plant community): Subalpine meadow, sage, *Pinus albicaulis* communities

Associated native species: In attached document

Associated non-native species:

Look-alike species present:

General habitat (e.g., foothills, wetland, subalpine): dense, subalpine forest to sage meadows

Slope: 0-30% Aspect: all aspects Toposition:

Minimum Elevation: \_\_\_ m or \_6800\_\_\_ ft Maximum Elevation: \_\_\_ m or \_7250\_\_\_ ft

Light regime: open to closed dense forest Substrate/soil: Basalt

Landowner(s):  BLM  USFS  private  other:

If all or part of subpopulation is on private land, has the landowner provided consent for the data to be exported?

Date of consent by private landowner, their contact info, and other pertinent comments:

General owner comments:

Observed disturbances, such as land use, disease, predation, non-native species. For each, include severity (slight, moderate, serious, or extreme) and scope ( $\leq 10\%$ , 11-30%, 31-70%, 71-100% of subpopulation affected), if known:

The Indian Mt. area, including the entirety of the white bark population, has been grazed historically with no sign of cattle removal in the future. The cattle threat is moderate to slight for 10% of the population. There is also a manned lookout at the peak with drivable road access. The threat of the lookout and road is slight for 10% of the population.



GPS coordinates (This section has drop-down menus. No need to fill in if submitting shapefiles or digital files.)

Datum                      Zone                      ID#                      Easting (X) or Longitude                      Northing (Y) or Latitude  
Accuracy

			11 T 0559458	4938601	+/-
					+/-
					+/-

**Subpopulation information** (Copy this page and the next as needed—one for each subpopulation. If visits to individual subpopulations aren't made, fill out one for whole population.)

Subpopulation number #: Council Mt Site (continued from top)                      Date of Observation:

Observer(s): 7/7-8/14/2014

Total number of individuals in subpopulation:                      This number is:  actual     minimum     estimated

What was counted?  genets     ramets     N/A (non-vascular etc.)     unknown

Phenology--% seedling:    % vegetative:    % flower:    % fruit:    % dormant: 100    % unknown:

Subpopulation area:                      Subpopulation vigor:  excellent     good     fair     poor     unknown

Do you feel you mapped the full extent of this subpopulation?  yes     no     unsure

Dominant species (existing plant community): *Artemisia tridentate*, *Abies lasiocarpa*, *Festuca idahoensis*

Habitat type (potential plant community): *Artemisia tridentate/Festuca idahoensis*; and *Artemisia tridentate/Carex geyeri*,  
Subalpine meadow communities, *Abies lasiocarpa/Ribes montigenum*

Associated native species: in attachment

Associated non-native species:

Look-alike species present:

General habitat (e.g., foothills, wetland, subalpine): Dense subalpine fir forest, sage and subalpine meadow

Slope: 5-90%                      Aspect: all aspects                      Topoposition:

Minimum Elevation: \_\_\_\_ m or \_6800\_\_ ft    Maximum Elevation: \_\_\_\_ m or \_7800\_\_ ft

Light regime: open to closed                      Substrate/soil: Basalt

Landowner(s):  BLM     USFS     private     other:

If all or part of subpopulation is on private land, has the landowner provided consent for the data to be exported?

Date of consent by private landowner, their contact info, and other pertinent comments:

General owner comments:

Observed disturbances, such as land use, disease, predation, non-native species. For each, include severity (slight, moderate, serious, or extreme) and scope ( $\leq 10\%$ , 11-30%, 31-70%, 71-100% of subpopulation affected), if known:

The Council Mt site is located in a large roadless area, so vehicle disturbance should be none to little. The area is a popular snowmobile destination. The snowmobile threat is slight with a scope of less than or equal to 10%. Cattle grazing is present over the entire site area. The cattle are a slight to moderate threat for 10% of the population.

Factors that may be a threat in the future. For each, include severity, scope, and imminency (near or distant future), if known:

The Mill Cr.-Council Mt. Landscape Restoration Project has a slight threat in the near future. 27 out of 648 individuals were observed infected with blister rust. A rust breakout could be a near or distant, moderate to extreme threat depending on the populations resistance to the rust.

Native plant community within the subpopulation is:

- A. intact with zero to low non-native plant cover and/or minimal anthropogenic disturbance.
- B. intact with low to moderate non-native plant cover and/or low to moderate anthropogenic disturbance.
- C. partially intact with moderate to high non-native plant cover and/or mod. to high anthropogenic disturbance.
- D. almost gone with high non-native plant species cover and/or high anthropogenic disturbance.

Additional comments to describe subpopulation condition and support rank:

Landscape surrounding the subpopulation is:

- A. unfragmented, with ecological and hydrological processes intact.
- B. partially fragmented, with ecological and hydrological processes intact.
- C. moderately fragmented, with ecological and hydrological processes intact.
- D. highly fragmented, with many ecological and hydrological processes no longer intact.

Additional comments to describe landscape setting and support rank:

Additional comments about the subpopulation, in general:

---

If location data are from a **paper map**:

County:

Quad:

Township: 16N Range: 1E SW 1/4 of SE 1/4 of Section 13

Township: \_\_\_\_\_ Range: \_\_\_\_\_ 1/4 of \_\_\_\_\_ 1/4 of Section \_\_\_\_\_

How accurately do you feel you mapped the subpopulation compared to its actual location on the ground?

Attach a copy of part of a USGS 7.5' quad (or comparable) and delineate the subpopulation.

---

If location data are **GPS data**:

Format of GPS data:  shapefile  digital file (.dbf, .xls, .txt, etc.)  GPS points filled in below

Method used to collect GPS data:  GPS unit  estimated on a paper map  other:

GPS unit was held:  directly over the rare plant  in the general vicinity of the rare plant

Do the GPS points mark the boundary of a plant group?  yes  no  unsure

Accuracy of GPS unit ( $\pm$  m): Datum:  NAD27  NAD83  WGS84  unknown

Coordinate system:  UTM zone 11  UTM zone 12  UTM zone unknown  Idaho Transverse Mercator  
 Decimal degrees, lat/long  state plane  township/range/section

GPS coordinates (This section has drop-down menus. No need to fill in if submitting shapefiles or digital files.)

Datum                      Zone                      ID#                      Easting (X) or Longitude                      Northing (Y) or Latitude  
Accuracy

			11 T 0556989	4949723	+/-
			11 T 0556991	4949965	+/-
			11 T 0557086	4950007	+/-
			11 T 0557298	4950261	