

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
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: *Astragalus conjunctus*

Date(s): 11 July 2012

Observer(s): Beth Corbin

Agency/Organization/Company: Owyhee Field Office, Bureau of Land Management

Address: 20 1st Ave West, Marsing, ID 83639

E-mail: ecorbin@blm.gov

Phone: 208 896-5923

Observation was: very thorough fairly thorough cursory or incidental

Certainty of identification: moderate high verified by:

Specimen collector/Collection #: no

Photo? yes no

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

Survey site name (e.g., a particular landmark or location): Bates Creek

Element occurrence (EO) #, if known: NA

Population area (extent of all subpopulations): 2 acres

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: Lots of the surrounding area is also suitable.

Directions (please be specific so population/subpopulations can be relocated years from now by others):

Ridge about ¼ mile N of Bates Creek, 1 ¼ mile S of Fossil Creek, about 10 miles WSW of Oreana.

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 #: 1 Date of Observation: 7/11/2012 Observer(s): Beth Corbin

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

What was counted? genets Phenology-- 30% vegetative 70% fruiting

Subpopulation area: 2 acres Subpopulation vigor: good

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

Dominant species (existing plant community): *Artemisia arbuscula*, *Festuca idahoensis*, *Pseudoroegneria spicata*

Habitat type (potential plant community): Low sagebrush, Idaho fescue, bluebunch wheatgrass

Associated native species: *Lupinus argenteus*, *Crepis occidentalis*, *Agoseris glauca*, *Balsamorhiza hookeri*, *Allium acuminatum*, *Calochortus macrocarpus*.

Associated non-native species: None

Look-alike species present: None

General habitat (e.g., foothills, wetland, subalpine): Foothills

Slope: 30% Aspect: N-facing Toposition: Upper and mid sideslope

Elevation: _4,600- 4,700_ ft Light regime: Full sun Substrate/soil: Shallow claypan, rocky soil

Landowner(s): BLM USFS private other: (and likely extends onto private)

If all or part of subpopulation is on private land, has the landowner provided consent for the data to be exported? No.

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: Within grazing allotment, but very little cattle/horse use evident in occurrences area. A few plants have been nipped high on the stem, probably by deer.

Factors that may be a threat in the future. For each, include severity, scope, and imminency (near or distant future), if known: No imminent threats. A little cheatgrass on the south-facing slopes, but not in occurrence habitat.

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: Nice stand of native low sagebrush, Idaho fescue, and some bluebunch wheatgrass.

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: Two-track road in the drainage, and some grazing evidence and localized weed patches in surrounding area.

Additional comments about the subpopulation, in general: Likely extends over a fairly large area in the vicinity, at low density.

County: Owyhee

Quad: Sinker Canyon

Township: 5S Range: 2W NE 1/4 of NW 1/4 of Section 9

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 one of the rare plants

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

GPS coordinates:

Datum	Zone	ID#	Easting (X)	Northing (Y)	Accuracy
NAD83	11N		534005	4761910	+/- 2 m