

IDAHO RARE PLANT OBSERVATION REPORT 2012

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): 15 May 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? no

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

Survey site name (e.g., a particular landmark or location): Sands Basin
Element occurrence (EO) #, if known: NA
Population area (extent of all subpopulations): At least 3 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 other hillsides in vicinity have similar habitat.
Directions (please be specific so population/subpopulations can be relocated years from now by others):
Hillside east of Sands Basin, about 11.5 air miles SW of Marsing. 1.1 air miles SE of the junction of Jump Creek and Bridge Creek.

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: 5/15/2012 Observer(s): Corbin & WL Crew
Total number of individuals in subpopulation: 200 This number is: actual minimum estimated
What was counted? genets ramets N/A (non-vascular etc.) unknown
Phenology--% seedling: % vegetative: 20 % flower: 80 % fruit: % dormant:
Subpopulation area: 3 acres 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 tridentata* ssp. *wyomingensis*, *Pseudoroegneria spicata*, *Poa secunda*
Habitat type (potential plant community): Open, grassy area within Wyoming sagebrush community.
Associated native species: ARTRW, PSSP, POSE, *Lupinus arbustus*, *Vulpia microstachys* var. *pauciflora*, *Allium acuminatum*, *Crepis occidentalis*.
Associated non-native species: None noted.
Look-alike species present: None.

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

Slope: 30% Aspect: NW-facing Toposition: Midslope

Elevation: 4,200 – 4,300 ft Light regime: full sun Substrate/soil: Gravelly loam

Landowner(s): BLM USFS private other:

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: No cattle grazing sign observed at the time of visit, but some flowering stems were nipped (rabbits?).

Factors that may be a threat in the future. For each, include severity, scope, and imminency (near or distant future), if known: None evident.

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: Mostly intact native plant community.

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: A few two-track roads, and localized weedy patches in landscape, but overall in pretty good shape.

County: Owyhee

Quad: Jump Creek Canyon

Township: 1N Range: 5W SW 1/4 of SE 1/4 of Section 17

Township: 1N Range: 5W NW 1/4 of NE 1/4 of Section 20

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

GPS coordinates:

Datum	Zone	ID#	Easting (X)	Northing (Y)	Accuracy
NAD83	11N		503416	4807028	+/- 5m

Occurrence extends uphill from GPS point, covering at least several acres.