

### IDAHO RARE PLANT OBSERVATION REPORT 2013

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: *Astragalus mulfordiae*

Date(s): 2 May 2013

Observer(s): Beth Corbin

Agency/Organization/Company: BLM Owyhee Field Office

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Observation was:  very thorough  fairly thorough  cursory or incidental

Certainty of identification:  moderate  high  verified by:

Specimen collector/Collection #: No

Photo attached?  yes  no Additional photos on BLM OFO server.



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

Survey site name (e.g., a particular landmark or location): Con Shea Basin – SE of Guffy Butte

Element occurrence (EO) #, if known: #22

Population area (extent of all subpopulations): < 1 acre

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

Monitoring or research needs for this population: This occurrence is part of a larger monitoring project, but I did not read the transect, only noted all plants observed.

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

1.5 mi SE of the top of Guffy Butte, on foothill of the west side of Con Shea Basin. See previous EO directions.

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**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: 5/2/2013                      Observer(s): B.Corbin  
Total number of individuals in subpopulation: 24                      This number is:  actual     minimum     estimated

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

Phenology--% seedling: 8    % vegetative: 42    % flower: 50    % fruit:    % dormant:

Subpopulation area: <1 acre                      Subpopulation vigor:  excellent     good     fair     poor

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

Dominant species (existing plant community): Bromus tectorum, Achnatherum hymenoides

Habitat type (potential plant community): Sandy opening within salt desert shrub community.

Associated native species: Achnatherum hymenoides, Poa secunda, Leptodactylon/Linanthus pungens, Atriplex canescens, Machaeranthera canescens, Mentzelia albicaulis, Nama aretioides, Hymenopappus filifolius, Oenothera pallida, Arenaria franklinii.

Associated non-native species: Bromus tectorum

Look-alike species present: Young Astragalus geyeri look like seedlings.

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

Slope: <10%                      Aspect: W-facing                      Toposition: Small saddle

Elevation: 2820 ft    Light regime: full sun                      Substrate/soil: Shallow sandy soil

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: Cheatgrass with moderately low cover within occurrence and high cover surrounding it. No sign of grazing/cattle disturbance. Many stems (most of the vegetative count) nipped by rabbits or other small mammals. Off-trail OHV and motorcycle tracks in the vicinity, but not through occurrence (except one old motorcycle track).

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

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: Weeds

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.

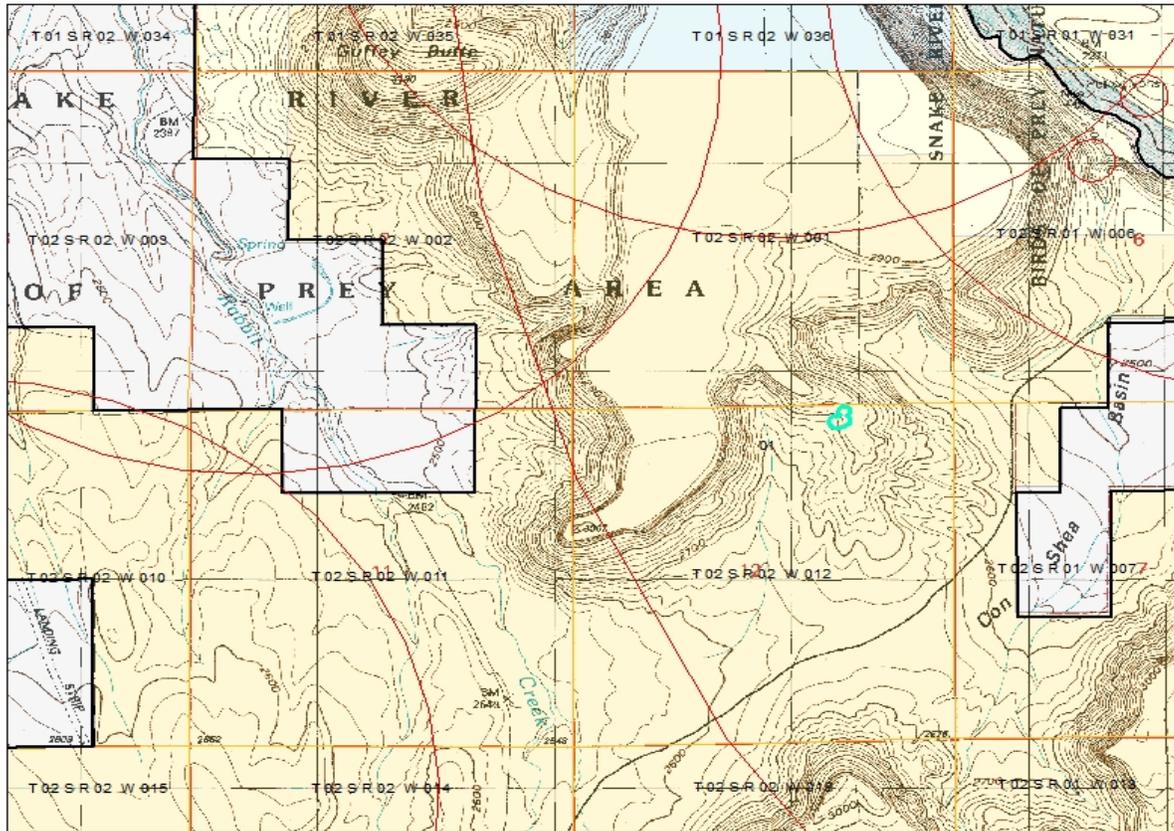
Additional comments to describe landscape setting and support rank: Weeds and ATVs.

County: Owyhee

Quad: Walter's Butte

Township: 2S Range: 2W NW 1/4 of NE 1/4 of Section 12

As previously mapped. (No GPS points taken, but it appeared correctly mapped.)



**Astragalus mulfordiae Occurrence # 22 Monitoring 5/2/2013**

BLC 5/7/13

Previously mapped occurrence. ASMU seen within that area.