

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
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): 20 August 2013

Observer(s): Beth Corbin

Agency/Organization/Company: BLM Owyhee Field Office

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 attached? yes no

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

Survey site name (e.g., a particular landmark or location): Rodeo Gulch

Element occurrence (EO) #, if known: Close to #10 (but we didn't go to exactly where #10 is mapped).

Population area (extent of all subpopulations): Two small subpopulations 0.8 miles apart.

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: Much of the surrounding sagebrush areas.

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

Rodeo Gulch is south of Shares Basin, east of Squaw Creek, about 13.5 air miles SSW of Marsing.

Subpopulation 1 is west of Rodeo Gulch, ¼ mile NE of Walker Reservoir, between Rodeo Gulch and Squaw Creek, 0.9 miles NNE of Tim's Peak.

Subpopulation 2 is 0.4 miles east of Rodeo Gulch, at the south end of Shares Basin.

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 of 2 Date of Observation: 8/20/2013 Observer(s): Beth Corbin & Mike Spicer (BLM)

Total number of individuals in subpopulation: 10 This number is: actual minimum estimated

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

Phenology--% seedling: % vegetative: 10 % flower: % fruit: 90 % dormant:

Subpopulation area: 0.1 acre 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): Low sagebrush/Wyoming sagebrush/bitterbrush matrix

Habitat type (potential plant community): Same

Associated native species: *Artemisia arbuscula*, *Artemisia tridentata* ssp. *wyomingensis*, *Purshia tridentata*, *Pseudoroegneria spicata*, *Festuca idahoensis*, *Achnatherum thurberianum*, *Chrysothamnus viscidiflorus* ssp. *puberulus*, *Ericameria nauseosa*, *Poa secunda*.

Associated non-native species: None noted.

Look-alike species present: None

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

Slope: 5-15% Aspect: NW-facing Toposition: Midslope

Elevation: 4360 ft Light regime: full sun Substrate/soil: Loamy

Landowner(s): BLM USFS private other: Shares Basin Allotment, Pasture 5

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: None recorded. Noted good fruit set. Perennial grass utilization was low.

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:

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 roads and grazing, but not much disturbance.

County: Owyhee

Quad: Soldier Cap

Township: 1S Range: 4W NW 1/4 of SW 1/4 of Section 7

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

GPS coordinates:

Datum	Zone	ID#	Easting (X)	Northing (Y)	Accuracy
NAD 83	11		510857	4799523	+/- 5 m

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 #: 2 of 2 Date of Observation: 8/20/2013 Observer(s): Beth Corbin & Mike Spicer (BLM)

Total number of individuals in subpopulation: 25 This number is: actual minimum estimated

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

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

Subpopulation area: 0.2 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): Matrix of low sagebrush, Wyoming sagebrush, and bitterbrush.

Habitat type (potential plant community): Same

Associated native species: *Artemisia arbuscula*, *Artemisia tridentata* ssp. *Wyomingensis*, *Purshia tridentata*, *Poa secunda*, *Pseudoroegneria spicata*, *Achnatherum thurberianum*, *Astragalus filipes*.

Associated non-native species: None noted.

Look-alike species present: *Astragalus filipes*.

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

Slope: 5-15% Aspect: NW-facing Toposition: Midslope

Elevation: 4420 ft Light regime: full sun Substrate/soil: Loamy

Landowner(s): BLM USFS private other: Shares Basin Allotment, Pasture 1

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: None recorded. Most fruiting *Astragalus conjunctus* were under the sagebrush, however.

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

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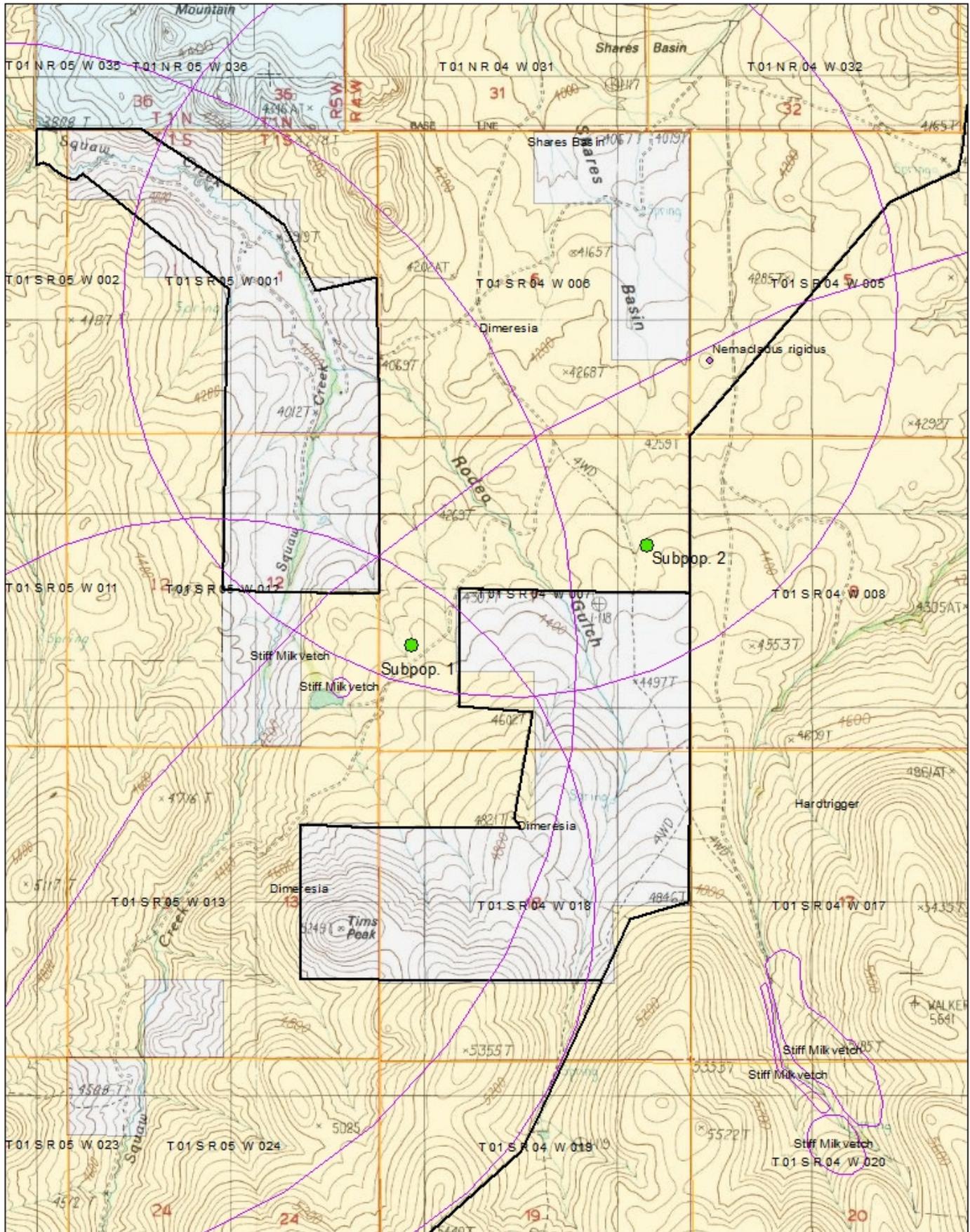
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● **Astragalus conjunctus 8/20/2013**

BLC 11/21/13