

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 yoder-williamsii*

Date(s): June 25, 2013

Observer(s): Beth Corbin

Agency/Organization/Company: BLM Owyhee Field Office

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

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Observation was: very thorough fairly thorough of a small area cursory or incidental

If this observation is part of a larger study or report, what is the study/report? Parkinson Right-of-way Clearance

Certainty of identification: moderate high verified by:

Specimen collector/Collection #: Corbin #1550

Herbarium: SRP (to be distributed)

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): Meadow Creek

Element occurrence (EO) #, if known: #2

Population area (extent of all subpopulations): Only checked one small area of mapped occurrence.

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

Monitoring or research needs for this population: Collected leaf material for BSU genetic study.

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

Triangle Road, about 2.2 miles NE of Spencer Reservoir. Along a 2-track road for 0.4 miles extending from Triangle Road toward an un-named reservoir on Spring 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: 6/25/13

Observer(s): B. Corbin

Total number of individuals in subpopulation: 1,000 This number is: actual minimum estimated

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

Phenology--% seedling: % vegetative: 20 % flower: 30 % fruit: 50 % dormant:

Subpopulation area: at least 20 acres 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): *Artemisia tridentata* ssp. *vaseyana*, *Purshia tridentata*, *Festuca idahoensis*.

Habitat type (potential plant community): Same as dominants.

Associated native species: Dominants plus *Poa secunda*, *Chrysothamnus viscidiflorus*, *Pascopyrum smithii*, *Mertensia oblongifolia*, *Lupinus sellulus*, *Phlox hoodii*, *Phlox longifolia*, *Chaenactis douglasii*.

Associated non-native species: Only localized near road – *Bromus tectorum*, *Ceratocephala testiculata*.

Look-alike species present: *Astragalus obscurus* in general area.

General habitat (e.g., foothills, wetland, subalpine): Broad montane valley.

Slope: Gentle, <10% Aspect: slightly SE-facing Topoposition: lower valley

Elevation: 5190-5225 ft Light regime: Full sun Substrate/soil: Loamy 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:

In seldom-used two-track road bed, and being somewhat trampled (but not eaten) by cattle, but this plant seems fine with low-level or infrequent moderate disturbance. Localized cheatgrass and bur buttercup have little effect on habitat.

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

Road right-of-way proposal may result in road clearing that could eliminate at least some plants in the roadbed, but would not affect plants in the rest of the large occurrence.

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: Roads, grazing, and a few weeds, but overall ecological processes intact.

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: Same as subpopulation.

County: Owyhee

Quad: Triangle Reservoir

Township: 7S Range: 2W N of SW and NW of SE of Section 6

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:

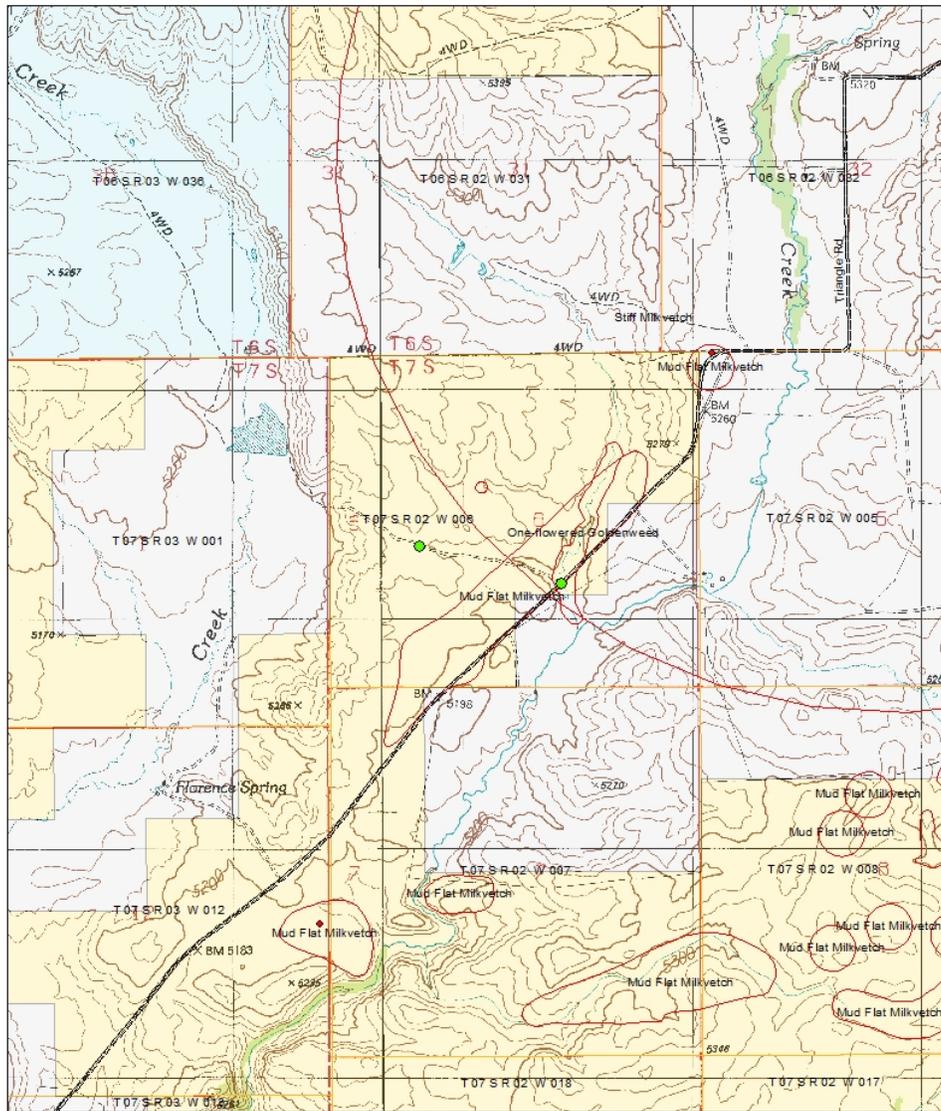
GPS unit was held: directly over the rare plant in the general vicinity of the rare plant

Do the GPS points mark the boundary of a plant group? Western point is extent along the two-track, from the junction with the Triangle Road,

GPS coordinates:

Datum	Zone	ID#	Easting (X)	Northing (Y)	Accuracy
NAD 83	11	Western	530729	4743534	+/- 5 m
"	"	Junction	533733	4742819	+/- 5 m

Note: The *Pyrrcoma linearis* occurrence area mapped in the drainage adjacent to the two-track was visited, but no *Pyrrcoma linearis* was seen. About half of the mapped occurrence area was checked. Also, no *Astragalus conjunctus* (occurrence mapped as a large circle) was seen in this area.



Astragalus yoder-williamsii Occurrence #2 (part) Revisit 6/25/2013

ELC 7/3/13

● Extends along the two-track between these two points