

IDAHO RARE PLANT OBSERVATION REPORT 2014

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 riparius***

Date(s): **5/15/2015**

Observer(s): **Blair McClarin w/ Angela Sondenaa & Sandra Robins**

Agency/Organization/Company: **Nez Perce Tribe Wildlife Program**

Address: **PO Box 365 Lapwai, ID 83540**

E-mail: **blairm@nezperce.org**

Phone: **208.621.4678**

Other knowledgeable individuals: **Kristen Pekas (Idaho Natural Heritage Program-IDFG), Juanita Lichthardt (Idaho Natural Heritage Program-IDFG)**

Observation was: very thorough fairly thorough cursory or incidental

If this observation is part of a larger study or report, what is the study/report?

Certainty of identification: moderate high verified by: **Blair McClarin, Sandra Robins, Kristen Pekas, Juanita Lichthardt**

Specimen collector/Collection #: **14-0001**

Herbarium: **Stillinger Herbarium**

Photo attached? yes no If photos are located elsewhere, where are they? **NPT Wildlife program**

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

Survey site name (e.g., a particular landmark or location): **Lewiston Hill Hairpin**

Element occurrence (EO) #, if known:

Population area (extent of all subpopulations): **.5 Acre**

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: **Permission of private landowners to survey land adjacent to site**

Monitoring or research needs for this population: **Population is located on state highway right-of-way. Hillside (private property) adjacent to and below, across highway should be surveyed**

Management needs for this population: **Cooperation with the Idaho Department of Transportation (IDT) to maintain / improve ecological conditions at this site;**

Additional population comments: **Invasive weeds encroaching from north side of site-IDT rock pit just to the south; Seeds collected for cryopreservation in June (extensive larval damage to ~ 25% of pods collected)**

Directions (please be specific so population/subpopulations can be relocated years from now by others): **From the north side of Memorial Bridge crossing the Clearwater River in Lewiston, site is located 4.9 miles north on the Lewiston Grade (Highway 95); after hairpin corner and just below the top-most truck ramp. Site is on west side of highway on northeast-facing slope.**

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: **5/15/2014** Observer(s): **B.McClarin /S. Robins**
Total number of individuals in subpopulation: **~150** This number is: actual minimum estimated
What was counted? genets ramets N/A (non-vascular etc.) unknown
Phenology--% seedling: % vegetative: **60% flower:** **40% fruit:** % dormant: % unknown:
Subpopulation area: **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): ***Pseudoregneria spicata***

Habitat type (potential plant community): **Canyon Grassland**

Associated native species: ***Festuca idahoensis, Fraxera albicaulis, Lupinus spp.***

Associated non-native species: ***Hypericum perforatum, Vicia spp.***

Look-alike species present: **None**

General habitat (e.g., foothills, wetland, subalpine): **Steep canyon grassland**

Slope: **30%** Aspect: **20°** Toposition: **Mid-slope**
Minimum Elevation: ____ m or **1850 ft** Maximum Elevation: ____ m or **2000 ft**
Light regime: **Open** Substrate/soil: **Palouse Loess**
Landowner(s): BLM USFS private other: **state highway right-of-way**

If all or part of subpopulation is on private land, has the landowner provided consent for the data to be exported?

Date of consent by private landowner, their contact info, and other pertinent comments:

General owner comments:

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: **Dense invasive vetch and St.John's wort encroaching (Extreme – 71-100%)**

Factors that may be a threat in the future. For each, include severity, scope, and imminency (near or distant future), if known: **Highway Maintenance/Development (Moderate – 11-30%)**

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: **Plants are located in a vertical strip along the sides and top of a large cutbank (nowhere for population to expand southward)**

Additional comments about the subpopulation, in general:

If location data are from a **paper map**:

County: _____ Quad: _____
 Township: 36N Range: 05W SE 1/4 of SE 1/4 of Section 16
 Township: _____ Range: _____ 1/4 of _____ 1/4 of Section _____

How accurately do you feel you mapped the subpopulation compared to its actual location on the ground? **Precise**

Attach a copy of part of a USGS 7.5' quad (or comparable) and delineate the subpopulation.

If location data are **GPS data**: (Polygon Shapefile Attached)

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
 Accuracy of GPS unit (± m): Datum: NAD27 NAD83 WGS84 unknown
 Coordinate system: UTM zone 11 UTM zone 12 UTM zone unknown Idaho Transverse Mercator
 Decimal degrees, lat/long state plane township/range/section

GPS coordinates (This section has drop-down menus. No need to fill in if submitting shapefiles or digital files.)

Datum Zone ID# Easting (X) or Longitude Northing (Y) or Latitude
 Accuracy

					+/-
					+/-
					+/-