

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: *Phacelia minutissima* Date(s): July 10, 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 cursory or incidental

Certainty of identification: moderate high verified by:

Specimen collector/Collection #: No Photo attached? yes no



Phacelia minutissima is plants with reddish lower leaves/stems, not well focused.



Habitat.

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

Survey site name (e.g., a particular landmark or location): South of Twin Peaks

Element occurrence (EO) #, if known: #16

Population area (extent of all subpopulations): Two patches 0.2 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: I didn't check out the entire mapped occurrence area, or other nearby aspen/*Veratrum* areas.

Monitoring or research needs for this population: Need to map full extent.

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

About 1 air mile south of the southern of Twin Peaks, 0.4-0.5 miles SE of Willinger Spring. Tributary springs at the headwaters of Cow 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: 7/10/2013 Observer(s): B. Corbin, L. Chandler, M. Spicer, and J. Elordi

Total number of individuals in subpopulation: 11 This number is: actual minimum estimated

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

Phenology--% seedling: % vegetative: % flower: Some also with flowers % fruit: 100 % dormant:

Subpopulation area: two small patches 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): Seasonally wet meadow opening within Douglas-fir, aspen, and mountain big sagebrush communities.

Habitat type (potential plant community): Same

Associated native species: *Perideridia gairdneri* ssp. *borealis*, *Madia glomerata*, *Leptosiphon harknessii*, *Polygonum polygaloides* ssp. *confertiflorum* and *kelloggii*, *Polygonum majus*, *Trifolium cyathiferum*, *Collomia linearis*, *Veronica peregrina* ssp. *xalapensis*, *Plagiobothrys scouleri*, *Artemisia ludoviciana*, *Gayophytum diffusum*.

Associated non-native species: *Poa bulbosa* in general area, but not immediately associated.

Look-alike species present: Lots of similar little annuals; need to look close! Hard to see exactly how many there are.

General habitat (e.g., foothills, wetland, subalpine): Montane meadow.

Slope: Gentle (10-20%) Aspect: Somewhat north-facing Toposition: Lower, wetter spots

Elevation: 6650-6750 ft Light regime: Mostly sun Substrate/soil: Moist loamy and gravelly

Landowner(s): BLM USFS private other: Within Soda Creek grazing allotment

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: Cattle grazing – cows present, and grasses have been grazed, but no grazing or significant trampling on habitat microsite.

Little vehicle (ATV) traffic on roads and no off-road sign seen.

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

Mines in vicinity (more than $\frac{1}{2}$ mile away), but not at this occurrence area, and no mine disturbance anticipated.

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: No weeds, but native perennials have likely been reduced by grazing within the subpopulation. However, this annual phacelia appears to like somewhat open, moist soil areas so that habitat change hasn't hurt it.

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. Some fragmentation from low-level roads, and mining prospects, and overall chronic grazing disturbance.

County: Owyhee Quad: De Lamar

Township: 4S Range: 4W SE 1/4 of Section 18

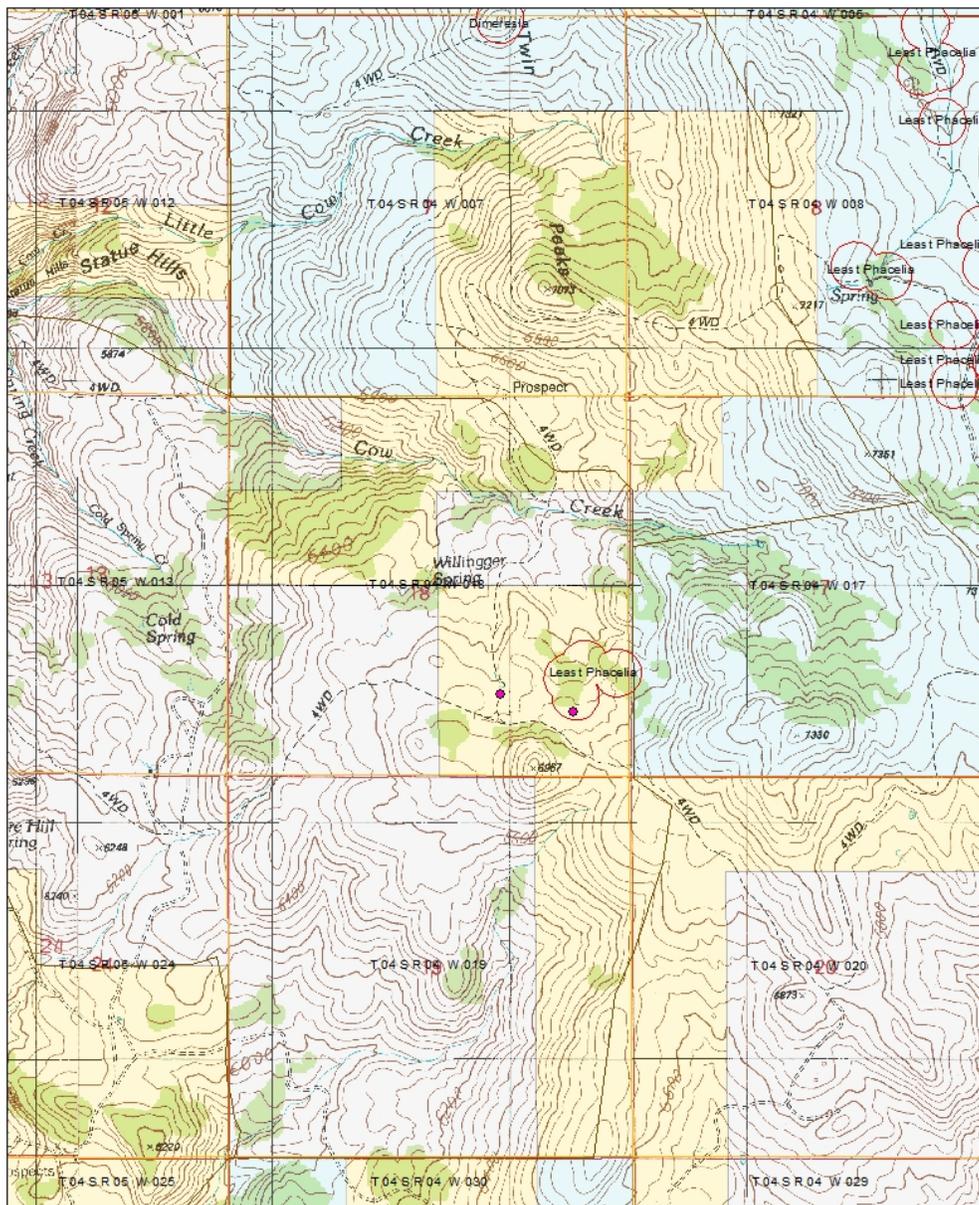
Method used to collect GPS data: GPS unit estimated on a paper map other:

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	# of plants	Easting (X)	Northing (Y)	Accuracy
NAD 83	11	1	511881	4768747	+/- 5 m
NAD 83	11	10	512185	4768671	+/- 5 m



● *Phacelia minutissima* in the Soda Creek Allotment 7/10/2013

BLC 7/10/13