

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: *Penstemon seorsus*

Date(s): 21 July 2014

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

If this observation is part of a larger study or report, what is the study/report? Pleasant Valley ACEC Monitoring Report (in progress)

Certainty of identification: moderate high verified by:

Specimen collector/Collection #: no

Photo attached? yes no



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

Survey site name (e.g., a particular landmark or location): Pleasant Valley Table

Element occurrence (EO) #, if known: new For an existing EO, is this: revisit addition unsure

Population area (extent of all subpopulations): Two small subpopulations 1.3 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: Other rocky edges of the table

Additional population comments: Within (or at edge of) Pleasant Valley Table ACEC

Directions (please be specific so population/subpopulations can be relocated years from now by others): Pleasant Valley Table, north of the Mud Flat Road. Subpopulations are 0.6 miles NW and 2.0 miles NW of the Nickel Creek Reservoir.

Subpopulation information (Copy this page and the next as needed—one for each subpop. If visits to individual subpops aren't made, fill out one for whole population. Subpops are divided by breaks in habitat, or a particular distance set by the observer, e.g., >50 m without the target species. Populations are divided by >1 km without target species.)

Subpopulation #: 1 Date of Observation: 7/21/2014 Observer(s): B.Corbin
Total number of individuals in subpopulation: 330 This number is: actual minimum estimated
What was counted? genets ramets N/A (non-vascular etc.) unknown
Phenology: seedling __ % vegetative 5 % flower __ % fruit 95 % dormant __ % unknown __ %
Subpopulation area: 2 patches of 0.1 acre each 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 arbuscula*, *Poa secunda*, *Poa bulbosa*, *Festuca idahoensis*
Habitat type (potential plant community): *Artemisia arbuscula*, *Pseudoroegneria spicata*, *Festuca idahoensis*
Associated native species: *Artemisia arbuscula*, *Poa secunda*, *Festuca idahoensis*, *Danthonia unispicata*, *Nothocalais troximoides*, *Olsynium douglasii* var. *inflatum*, *Pseudoroegneria spicata*
Associated non-native species: *Poa bulbosa*, *Bromus commutatus*
Look-alike species present: None

General terrain/habitat (e.g., foothills, wetland, subalpine): Volcanic table in rolling hills
Slope: flat/gentle Aspect: slightly south-facing Topoposition: On table/mesa, but rocky area near the rim
Elevation: 5,600 ft Light regime: Full sun Substrate/soil: Clay soil between basalt rocks
Landowner(s): BLM USFS state 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: Moderately low cover of weedy grasses. No current grazing disturbance, and little indication of past grazing use at this spot.

Factors that may be a threat in the future. For each, include severity, scope, and imminency (near or distant future), if known: Weed increase – not imminent, and given the health of the native plant community, not likely.

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: Good native vegetation, and just a few 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: Generally good community health, although pockets of weeds, grazing impacts, and roads, resulting in low fragmentation.

Additional comments about the subpopulation, in general: Likely extends between these two points, and elsewhere along the rim of the table.

County: Owyhee

Quad: Pleasant Valley

Township: 10S Range: 4W NE 1/4 of SE 1/4 of Section 8

Township: 10S Range: 4W NW 1/4 of SW 1/4 of Section 9

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

GPS UTM coordinates (Zone 11, NAD 83, Accuracy +/- 5m):

ID#	Easting (X)	Northing (Y)	# of Plants
Pt 1	514300	4712475	30
Pt 3	514542	4712430	300

Subpopulation information (Copy this page and the next as needed—one for each subpop. If visits to individual subpops aren't made, fill out one for whole population. Subpops are divided by breaks in habitat, or a particular distance set by the observer, e.g., >50 m without the target species. Populations are divided by >1 km without target species.)

Subpopulation #: 2 Date of Observation: 7/21/2014 Observer(s): B.Corbin

Total number of individuals in subpopulation: 50 This number is: actual minimum estimated

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

Phenology: seedling __ % vegetative 5 % flower __ % fruit 95 % dormant __ % unknown __ %

Subpopulation area: 0.1 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): *Artemisia arbuscula*, *Poa secunda*, *Danthonia unispicata*

Habitat type (potential plant community): *Artemisia arbuscula*, *Pseudoroegneria spicata*, *Festuca idahoensis*

Associated native species: *Artemisia arbuscula*, *Poa secunda*, *Danthonia unispicata*

Associated non-native species: *Poa bulbosa*, *Bromus commutatus*

Look-alike species present: None

General terrain/habitat (e.g., foothills, wetland, subalpine): Volcanic table in rolling hills

Slope: flat/gentle Aspect: slightly north-facing

Toposition: On table/mesa, but rocky area near rim of a minor drainage

Elevation: 5,600 ft Light regime: Full sun Substrate/soil: Clay soil between basalt rocks

Landowner(s): BLM USFS state 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: Moderately low cover of weedy grasses. No current grazing disturbance; some indication of past grazing use at this spot.

Factors that may be a threat in the future. For each, include severity, scope, and imminency (near or distant future), if known: Weed increase – not imminent, and given the health of the native plant community, not likely.

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Additional comments to describe subpopulation condition and support rank: Good native vegetation, with a few weeds.

Landscape surrounding the subpopulation is:

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- 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: Generally good community health, although pockets of weeds, grazing impacts, and reservoir, resulting in low fragmentation.

Additional comments about the subpopulation, in general: Likely extends elsewhere along the other minor rims. Less than 0.2 mi east of North Fork Reservoir; on edge of ACEC.

County: Owyhee

Quad: Pleasant Valley

Township: 10S Range: 4W SW 1/4 of NE 1/4 of Section 5

Format of GPS data: shapefile digital file (.dbf, .xls, .txt, etc.) GPS points filled in below

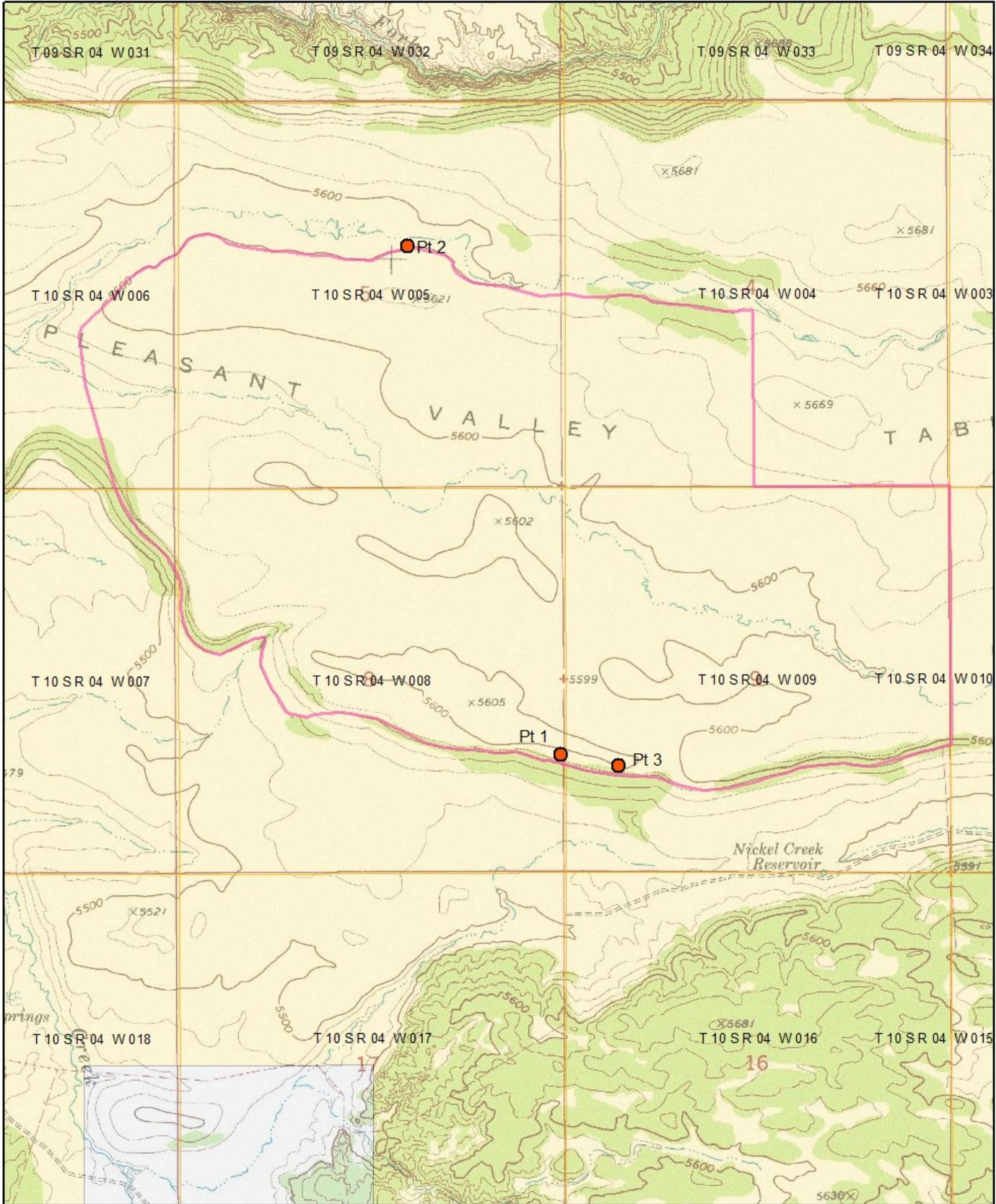
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GPS unit was held: directly over the rare plant in the general vicinity of the rare plant

Do the GPS points mark the boundary of a plant group? yes no unsure

GPS UTM coordinates (Zone 11, NAD 83, Accuracy +/- 5m):

ID#	Easting (X)	Northing (Y)	# of Plants
Pt 2	513663	4714600	50



● Penstemon seorsus - July 21, 2014
 ○ Pleasant Valley Table AEC