

IDAHO RARE PLANT OBSERVATION REPORT 2010

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 Manager, Idaho Department of Fish and Game, PO Box 25, 600 S. Walnut St., Boise, ID 83707.
Thanks for contributing to rare plant conservation in Idaho!

Species: Lepidium papilliferum

Observer(s): Amy Stillman

Agency/Organization/Company: BLM/Great Basin Institute

Address: 3948 Development Ave

E-mail: astillman@blm.gov

Phone: 384-3220

Other knowledgeable individuals: _____

If this observation is part of a larger study or report, what is it the study/report? Discovered during botanical clearances for Lepidium papilliferum enclosure fence construction.

Certainty of identification: moderate high verified by _____

Is this an addition or update of an existing occurrence? yes no unsure

Element occurrence (EO) #, if known: EO 51

EO survey site name (e.g., a particular landmark or location): Hot Creek Road

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

Landowner(s): BLM USFS private other: _____

If all or part of population 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: _____

If location data are **GPS data**:

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

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

GPS unit was held: directly over the plant of interest 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 (\pm m): 5 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

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

Population area (extent of all subpopulations): _____

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: Comb area surrounding known occupied EO 51 slickspots

The survey was: very thorough fairly thorough cursory incidental observation

Collector/Collection #: _____

Herbarium: _____

Photo attached? yes no If photos are located elsewhere, where are they? _____

Monitoring or research needs for this population: _____

Management needs for this population: _____

Additional population comments: An exclosure fence will be constructed around the portion of this EO that is closest to Hot Creek Road. HIP transects 051A and 051B will both be enclosed within the exclosure. This EO burned in the 2012 Benwalk fire. Recovery is slow, exclosure may aid recovery.

Native plant community within the **subpopulations** 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.

Is this rank based on all known subpopulations? yes no unsure

Additional comments on condition of the population: Recovery from 2012 wildfire has been slow partially due to extreme drought in 2013. Poa secunda present and some lichens and moss survived. No shrub cover.

Landscape surrounding the population 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. fragmented, with many ecological and hydrological processes no longer intact.

Is this rank based on all known subpopulations? yes no unsure

Additional comments on landscape surrounding the population: Many slickspots near Hot Creek Road are being driven through since the 2012 fire. Exclosure fence should alleviate this.

Subpopulation Information (copy this section as needed—one for each subpopulation)

Subpopulation #: 1 Date of Observation: 10/20/2014 Observer(s): Amy Stillman

Total number of individuals in subpopulation: 1 actual minimum estimated

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

Phenology:

____ % seedling 100 % vegetative ____ % flowering ____ % fruiting ____ % dormant ____ % unknown

Subpopulation area: ____ Subpopulation vigor: excellent good fair poor unknown

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

Dominant species (existing): Poa secunda

Habitat type (potential plant community): Artemisia tridentata, Pseudoroegneria spicata etc.

Associated native species: see above

Associated non-native species: Bromus tectorum, Ceratocephala testiculata, Vulpia sp.

Look-alike species present: ____

General habitat (e.g., foothills, wetland, subalpine): sagebrush flat

Slope: 0 Aspect: ____ Toposition: ____

Minimum Elevation: ____ m or 3,400 ft Maximum Elevation: ____ m or 3,400 ft

Light regime: Full sun Substrate/soil: clay loam

Observed disturbances, such as land use, disease, predation, non-native species. Include severity (slight, moderate, serious, or extreme) and scope (>10%, 11-30%, 31-70%, 71-100% of subpopulation affected): ____

Factors that may be a threat in the future (include severity, scope, and imminency of threat, if known): invasive non-native annuals

Intrinsic vulnerability of subpopulation: high moderate none