

IDAHO RARE PLANT OBSERVATION REPORT 2012

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: *Blepharidachne kingii*

Date(s): 2 August 2012

Observer(s): Beth Corbin

Agency/Organization/Company: Owyhee Field Office, Bureau of Land Management

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

E-mail: ecorbin@blm.gov

Phone: 208 896-5923

Other knowledgeable individuals: Emily Quackenbush (BLM)

Observation was: very thorough fairly thorough cursory or incidental

Certainty of identification: moderate high verified by:

Specimen collector/Collection #: No Photo? Available, filed on OFO server.

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

Survey site name (e.g., a particular landmark or location): Triangle Road near Hart Creek

Element occurrence (EO) #, if known: #1

Population area (extent of all subpopulations): About 2 acres

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 surrounding hills.

Additional population comments: Numbers appear much lower than 1995 records for the three patches found, although there's no obvious disturbance. Weeds have apparently increased, but not so much within occurrence microhabitat.

Northernmost and southernmost patch areas from 1995 record were also searched, and no plants found in those areas.

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

East of Triangle Road, east of Hart Creek, about 3 road miles WSW of the junction with the Castle Creek Road, about 3 air miles SW of Oreana.

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: 8/2/12 Observer(s): Corbin & Quackenbush

Total number of individuals in subpopulation: 31 This number is: actual minimum estimated

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

Phenology--% seedling: % vegetative: 10 % flower: % fruit: 90 % dormant:

Subpopulation area: 3 points, each very small (see below) Subpopulation vigor: fair

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

Dominant species (existing plant community): Open salt desert shrub community within Wyoming sagebrush matrix.

Habitat type (potential plant community): Salt desert shrub

Associated native species: *Atriplex confertifolia*, *Chrysothamnus viscidiflorus* ssp. *puberulus*, *Tetradymia glabrata*, *Ericameria nauseosa*, *Phlox hoodii*, *Chaenactis douglasii*, *Sphaeralcea grossulariifolia*, *Caulanthus pilosa*, *Astragalus purshii*, *Eriogonum ovalifolium*, *Picrothamnus desertorum*, *Elymus elymoides*.

Associated non-native species: *Bromus tectorum* – scattered; much denser outside of microhabitat than with BLKI.

Look-alike species present: None

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

Slope: 0-30% Aspect: S-facing Toposition: Near and at top of small ridge

Elevation: 3,075-3,100 ft Light regime: full sun

Substrate/soil: Gravel surface over calcareous loam 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: Light cattle grazing in vicinity – none evident at occurrence. Rabbits have clipped other grasses in the area, but no clipping/grazing observed on BLKI. Scattered cheatgrass within occurrence, but much denser in surrounding Wyoming sagebrush area.

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

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: Scattered cheatgrass

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: A few roads, and lots of cheatgrass in surrounding area, but native plant community still functional.

County: Owyhee

Quad: Oreana

Township: 5S Range: 1W W 1/2 of NE 1/4 of Section 3

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 coordinates:

| Datum | Zone | # Plants | Easting (X) | Northing (Y) | Accuracy |
|-------|------|----------|-------------|--------------|----------|
| NAD83 | 11N | 16 | 545483 | 4763476 | +/- 4m |
| NAD83 | 11N | 1 | 545438 | 4763459 | +/- 4m |
| NAD83 | 11N | 15 | 545379 | 4763260 | +/- 4m |