

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: Botrychium montanum

Date(s): 7/22/14

Observer(s): R. Merkel, J. Costich, K. Nowicki

Agency/Organization/Company: Sandpoint Ranger District IPNF's

Address: 1602 Ontario St., Sandpoint, ID 83864

E-mail: jcostichthompson@fs.fed.us

Phone: 208-265-6626

Other knowledgeable individuals: Jennifer Costich Thompson

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? Deer Creek Proposed Timber Sale

Certainty of identification: moderate high verified by: Ben Legler

Specimen collector/Collection #:

Herbarium:

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

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): Spur Rd. 2522A

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

Population area (extent of all subpopulations): $\frac{3}{4}$ of a mile by 100'

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: There are some large flat settling areas that were not thoroughly surveyed

Monitoring or research needs for this population: None

Management needs for this population: Maintain creek buffer.

Additional population comments: Large population of Botrychium montanum scattered along the creek within the polygon.

Directions (please be specific so population/subpopulations can be relocated years from now by others): Bonners Ferry to Hwy 2 and then west to the Dawson Lake turnoff onto Forest Rd. 229 and across the Moyie and onto F.R. 2541 then onto F.R. 2540 and then onto F.R. 2522 to the spur 2522A the creek crossed under 2522A about 40 yards down this road.

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 #: several Date of Observation: 7/22/14 Observer(s): R. Merkel
Total number of individuals in subpopulation: Over 100 This number is: actual minimum estimated
What was counted? genets ramets N/A (non-vascular etc.) unknown
Phenology: seedling __ % vegetative __ % flower __ % fruit _100_ % dormant __ % unknown __ %
Subpopulation area: 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): *Populus balsamifera*

Habitat type (potential plant community): *Thuja plicata*/*Athyrium filix-femina*/*Athyrium filix-femina*

Associated native species: *Thuja plicata*, *Populus balsamifera*, *Tsuga heterophylla*, *Athyrium filix-femina*, *Gymnocarpium dryopteris*, *Trillium ovatum*, *Tiarella trifoliata*, *Botrychium virginianum*, *Botrychium multifidum*

Associated non-native species:

Look-alike species present: Other *Botrychium*s

General terrain/habitat (e.g., foothills, wetland, subalpine): Creek bottom and settling areas adjacent to creek.

Slope: 0 Aspect: 0 Toposition:
Minimum Elevation: ___ m or ___ ft Maximum Elevation: ___ m or ___ ft
Light regime: Full Shade Substrate/soil:
Landowner(s): BLM USFS state private other:

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: All on F.S. land

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:

Moderate disturbance in surrounding area.

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

Slight chance of disturbance with proposed logging

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: Several cuts in various age classes along stream corridor but stream channel protected.

Additional comments about the subpopulation, in general:

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

County:

Quad:

Township: _____ Range: _____ _____ 1/4 of _____ 1/4 of Section _____

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?

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

If location data are **GPS data**:

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

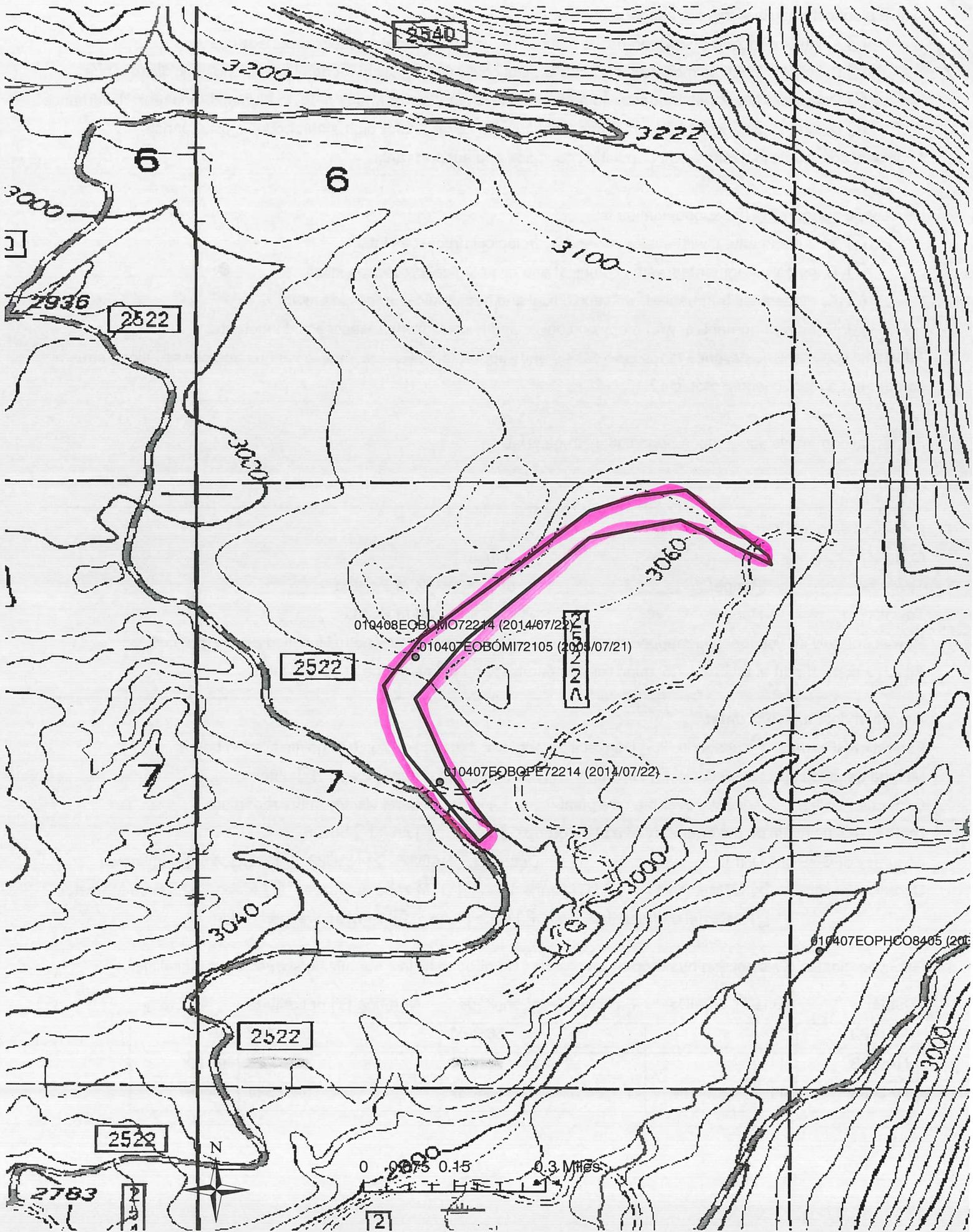
Do the GPS points mark the boundary of a plant group? yes no unsure

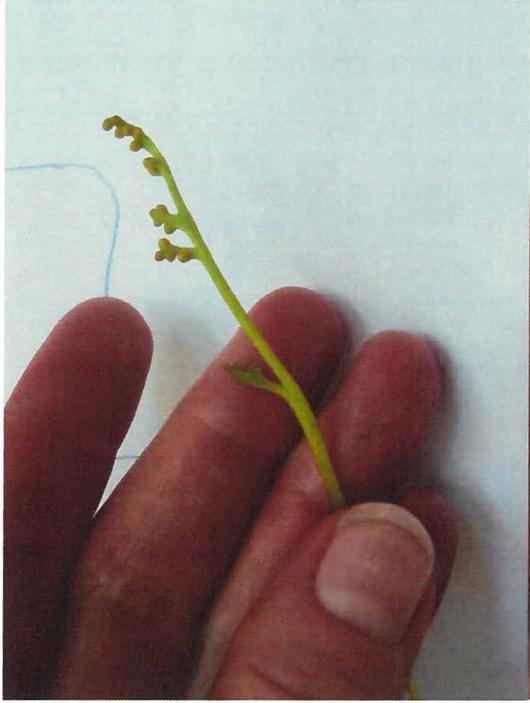
Accuracy of GPS unit (± m): Datum: NAD27 NAD83 WGS84 unknown

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
NAD 83	11		565140	5409134	+/- 12'
NAD 83	11		565140	5409134	+/- 20'
NAD 83	11		564637	5408394	+/- 18'





Botrychium montanum

