

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](mailto: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: *Allium folmirei* var *persimile* Date(s): 6/6/14, 6/16/14  
Observer(s): Graham Johnson, Alma Hanson  
Agency/Organization/Company: Forest Service, Payette National Forest  
Address: 800 W. Lakeside Ave  
E-mail: [ahanson01@fs.fed.us](mailto:ahanson01@fs.fed.us) Phone: 208-634-0787  
Other knowledgeable individuals:

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?

Certainty of identification:  moderate  high  verified by: Alma Hanson  
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): 4th of July Cr.  
Element occurrence (EO) #, if known: For an existing EO, is this:  revisit  addition  unsure  
Population area (extent of all subpopulations): *found new populations*  
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: open scabby, hillsides in 4th of July Cr. area

Monitoring or research needs for this population: revisit after timber sale in 2014-2015  
Management needs for this population: avoidance during timber sale  
Additional population comments: Population is dissected in two by 4th of July Cr road, FS Rd 135

Directions (please be specific so population/subpopulations can be relocated years from now by others):  
North of Council, Id on 127 FSRd. to FSRd 135 4th of July Cr. FSRd.  
There are populations about 2.5 miles west on 135 FSRd.  
There is also a population about .5 mile up the 51235 FSRd. East, off of 135 FSRd

**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: 6/6/14 Observer(s): Alma Hanson Graham Johnson

Total number of individuals in subpopulation: 10,600 ± This number is:  actual  minimum  estimated

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

Phenology: seedling \_\_\_% vegetative 25% flower 20% fruit 25% 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): Poa secunda, Allium tolmiei var persimile, Petalostemum gaidneri

Habitat type (potential plant community):

Associated native species: Eriophyllum lanatum, Antennaria luzuloides, Lomatium nudicaule, Lomatium grayi, Sedum lanceolatum, Allium acuminatum, Poa bulbosa, Delphinium depauperatum, Fritillaria pudica, Eriogonum heracleoides, Trifolium macrocephalum, Penstemon gaidneri, Eriogonum strictum, Polygonum douglasii, Collinsia parviflora  
Associated non-native species: Balsamorhiza sagittata, Grindelia squarrosa

Look-alike species present: Allium acuminatum

General terrain/habitat (e.g., foothills, wetland, subalpine): seasonal wet hillside

Slope: Western Aspect: 5-10% Toposition:

Minimum Elevation: \_\_\_ m or 5319 ft Maximum Elevation: \_\_\_ m or 5519 ft

Light regime: open Substrate/soil: basalt

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:

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

135 FSRd cuts through middle of population - moderate, 11-30%  
Timber harvest in 2014-2015 - slight

Factors that may be a threat in the future. For each, include severity, scope, and imminency (near or distant future), if known: Timber harvest in 2014-2015

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:

Additional comments about the subpopulation, in general:

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

County:

Quad:

Township: 7S Range: 2W SE 1/4 of SW 1/4 of Section 26

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? *accurate*

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

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If location data are **GPS data**: 11T0534891 4977991

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 ( $\pm$  m): 10 ft 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
			<del>11T0534891</del>	<del>4977991</del>	+/-
			<u>11T0535525</u>	<u>4977167</u>	+/-
					+/-

**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: 6/6/14 Observer(s): Alma Hanson, Graham Johnson

Total number of individuals in subpopulation: 20,000 ± This number is:  actual  minimum  estimated

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

Phenology: seedling \_\_\_% vegetative 25% flower \_\_\_% fruit 75% dormant \_\_\_% unknown \_\_\_%

Subpopulation area: 1 acre 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): same as pop 1

Habitat type (potential plant community):

Associated native species:

Associated non-native species:

Look-alike species present:

General terrain/habitat (e.g., foothills, wetland, subalpine): wet, seeping hillside

Slope: 5-10% Aspect: SW Toposition:

Minimum Elevation: \_\_\_ m or 5300 ft Maximum Elevation: \_\_\_ m or 5500 ft

Light regime: open Substrate/soil: basalt

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:

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:

Bears ate some onions - slight,  $\leq 10\%$

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

Timber sale in 2014-2015 - moderate/slight

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
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- D. highly fragmented, with many ecological and hydrological processes no longer intact

Additional comments to describe landscape setting and support rank:

Additional comments about the subpopulation, in general:

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

County:

Quad:

Township: 7S Range: 2W SW 1/4 of NE 1/4 of Section 35

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? accurate

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

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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 ( $\pm$  m): 10ft 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
			<u>11 T 0535729</u>	<u>4976845</u>	<u>+/-</u>
					<u>+/-</u>
					<u>+/-</u>

**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 #: 3 Date of Observation: 6/16/14 Observer(s): Graham Johnson  
Total number of individuals in subpopulation: 20,000+ This number is:  actual  minimum  estimated  
What was counted?  genets  ramets  N/A (non-vascular etc.)  unknown  
Phenology: seedling \_\_\_% vegetative 85% flower \_\_\_% fruit 75% dormant \_\_\_% unknown \_\_\_%  
Subpopulation area: cede 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): Koeleria cristata, Allium folmieri var. perispermite, Allium acuminatum, Lomatium grayi,

Habitat type (potential plant community):

Associated native species: Eriogonum umbellatum, Lomatium nudicaule, Lomatium ambiguum, Anaphalis margaritacea, Madia gracilis, Bromus japonicus, Allium acuminatum, Allium parvum, Koeleria cristata, Delphinium sp., Balsamorhiza sagittata, Polygonum douglasii, Collomia linearis, Perideridia gairdneri, Lomatium grayi, Sedum lanceolatum, Penstemon gairdneri, Calochortus nuttallii, Poa bulbosa, Eriophyllum lanatum, Senecio sp., Elymus elymoides  
Associated non-native species:

Look-alike species present: Allium acuminatum, Allium parvum

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

Slope: 10% Aspect: SW Aspect Toposition:  
Minimum Elevation: \_\_\_ m or 5250 ft Maximum Elevation: \_\_\_ m or 5400 ft  
Light regime: open Substrate/soil: basalt  
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:

Observed disturbances, such as land use, disease, predation, non-native species. For each, include severity (slight, moderate, serious, or extreme) and scope (≤10%, 11-30%, 31-70%, 71-100% of subpopulation affected), if known:  
Bear + cow damage (eating + tearing up bulbs) - slight - ≤10%

Factors that may be a threat in the future. For each, include severity, scope, and imminency (near or distant future), if known:  
Bear + cow damage - slight - ≤10% - near + distant future  
Timber sale - moderate - 40% - near future

Native plant community within the subpopulation is:

- A. intact with zero to low non-native plant cover and/or minimal anthropogenic disturbance
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Additional comments to describe landscape setting and support rank:

Additional comments about the subpopulation, in general:

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

County:

Quad:

Township: 7S Range: 2W \_\_\_\_\_ 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? *general area*

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Accuracy of GPS unit ( $\pm$  m): 10 ft 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
			<u>1170536608</u>	<u>4975953</u>	+/-
					+/-
					+/-