

BLM copy

IDAHO RARE PLANT OBSERVATION REPORT 2005

Fill out the form by tabbing through and completing the fields. Some fields contain check boxes and drop-down menus. If you do not have information for the field, leave it blank. Use F1 for help in any shaded field. E-mail completed form to scooke@idfg.state.id.us or send to Botany Information Manager, Idaho Conservation Data Center, Idaho Department of Fish and Game, PO Box 25, Boise, ID 83707.

Species: Pediocactus simpsonii

Date of Observation: 06-06-05

Observer(s): Hannon

Agency/Organization/Company: DOI/BLM/Boise District - Owyhee Field Office

Address: 20 First Ave. West

Phone: (208) 896-5919

Each Element Occurrence is given a unique Survey Site Name that identifies it to a particular nearby landmark (stream, lake, peak etc. Is there an appropriate Survey Site Name? : _____

Directions (be specific): From Jordan Valley, Oregon, follow the Owyhee Uplands National Back Country Byway for approximately 30 miles to the road to Juniper Mountain (there is a sign). Take the Juniper Mountain road south over Juniper Mountain (approx. 15 miles) to the road to Bull Basin (there is a sign), continue south. After approximately 4-4.5 miles the road forks--stay left continuing south for approximately 1.2 miles to another fork--again, stay left (heading east). In approximately 0.2 miles the road crosses Red Basin Creek. On foot, follow Red Basin Creek for approximately 1.5 miles. As you go, the terrain will become progressively rocky as you enter a small canyon. The population is located on the north side of Red Basin Creek on the gravelly terraces above the creek bank.

Is this an addition or update of an existing occurrence?: Yes No Unsure?

Give occurrence # if known: _____

County: Owyhee

Quad: Red Basin

Township: 13S Range: 04W SW 1/4 of NE 1/4 of Section 4

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

GPS Information: Enter **either** UTM's **or** latitude/longitude coordinates from GPS, as well as datum, way points (optional) and accuracy information in the table below. **If you did not take GPS readings, please leave this section blank.**

You may send shape-files in lieu of a paper map. Did you submit shape-files with this form? Yes No.

Enter UTM or other coordinates below:

Datum	Zone	Way Point or ID#	UTM Northing (Y) or Latitude	UTM Easting (X) or Longitude	Accuracy	Subpop#
NAD-27	11		4685721	515495	+/-	
NAD-27	11				+/-	
NAD-27	11				+/-	

If you have more coordinates, please list them in the space on the last page of this form.

Mapping Instructions:, If submitting paper maps, complete A - C. If submitting shape-files complete parts B and C.

A) Please attach a photocopy of the appropriate part of the USGS 7.5 minute quad (or comparable map) and delineate the population and all subpopulations (if present) on the map using the guidelines listed below. **Label subpopulations if you have population and/or habitat information for them.**

- * If the population/subpopulation area is < 12.5 meters (40 ft.) in diameter, place a single point on the map marking its location. If necessary, indicate these point locations with an arrow so they are easier to see.
- * If the population/subpopulation area is >12.5 meters (40 ft.) in diameter, draw a polygon on the map marking its location.
- * If the population/subpopulation follows the boundary of a trail, lake, stream, road, etc., draw the boundary on the edge of this feature. Where needed, add notes on where boundary lines are.

B) How accurately do you feel you mapped or digitized the population compared to its actual location on the ground? Use the guidelines to determine how many meters (m) or miles on the ground correspond to millimeters (mm) or inches (in) on a 1:24,000 scale map. 25 m - 50 m (1 -2 mm. on map) Custom:

C) I sent a hard-copy map via U.S. mail. Other:

Population Information - Please fill in this section with the information for the **entire population**. If subpopulations exist and you have information for them, complete the subpopulation information forms on the last page.

Total # of individuals in the entire population, including all subpopulations is _____ Actual Estimated

What was counted? Genets Ramets N/A (non-vascular etc.) Unknown

Phenology: _____% seedling _____% non-reproductive 70 % reproductive _____% dormant 30 % unknown

The size of the population area is ~150mX50m

Population vigor is excellent good fair poor

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

The survey was: very thorough fairly thorough cursory incidental observation

Additional population comments: _____

Are there any monitoring or research needs for this population? _____

CONDITION is an integrated measure of the quality of biotic and abiotic factors, structures, and processes **within** the occurrence, and the degree to which they affect the continued existence of the occurrence. Condition has the following components: reproduction and health for species, ecological processes, species composition and biological structure, and abiotic/chemical factors.

Briefly comment on the **CONDITION** of the occurrence: The plants appear vigorous and capable of reproducing (most contained evidence of recent flowering/fruitleting).

Overall **condition** is: A - B (good to excellent)

LANDSCAPE CONTEXT is an integrated measure of the quality of biotic and abiotic factors, structures, and processes **surrounding** the occurrence, and the degree to which they affect the continued existence of the EO. Components of Landscape Context are: landscape structure and extent, including genetic connectivity, and condition of the surrounding landscape.

Briefly comment on the **LANDSCAPE in the area surrounding the population**. Include factors such as current and past land use (farmland, residential area etc.), disturbance factors, and fragmentation: The population occurs on the rocky benches between the canyon wall and Red Basin Creek, thus, there is little to no sign of cattle use in the immediate area.

Overall **landscape** is: A - B (good to excellent)

EO Rank indicates the relative value of the Element Occurrence based on an assessment of estimated viability, i.e., the probability of persistence (based on condition, size, and landscape context). In other words, EO ranks provide an assessment of the likelihood that if current conditions prevail the occurrence will persist for a defined period of time, typically 20-100 years.

EO Rank: (Choose One)

Habitat Description – Please fill in this section with information for the **entire population**, using ranges where appropriate. If subpopulations exist and there is specific habitat information or threats that need noting, use the forms on page 4. Please avoid abbreviations if possible, thanks!

General habitat description: Above creekbed on rocky/gravelly benches

Aspect: S Slope: 0-10%

Substrate/soil: stony/gravelly

Light regime: fairly open

Community type: _____

Associated Species include: Chrysothamnus nauseosus, Purshia tridentata, Poa secunda, Eriogonum (bloomeri ?), moss

Look-alike species that are present: none

Comment on threats to the population and its immediate habitat including **level** and **imminency** of threat if known.

Include factors such as land use, disturbance, disease or predation, invasive weeds, etc: _____

Minimum Elevation: _____ ft.

Maximum Elevation: _____ ft.

Land Owner/Managers (forest/ranger district/BLM/ or private land owner if known): BLM

Owner Comments: _____

Management Needs (include any steps that you think should be taken by the land manager to protect the population):

Collector/Collection #: _____

Herbarium: _____

Photo Attached? Yes No

Other knowledgeable individuals: _____

Additional Comments (anything you think is important that did not fit in any other space on the form):

3Site is approximately 2 miles southeast of EO 001 and 2.5 miles southwest of EO 008 in pasture 3 of the Castlehead/Lambert allotment.

Pediocactus simpsonii--Red Basin Creek 06-06-05 (0634 Castlehead/Lambert, pasture 3)



Pediocactus simpsonii--Red Basin Creek 06-06-05 (0634 Castlehead/Lambert, pasture 3)



Pediocactus simpsonii--Red Basin Creek 06-06-05 (0634 Castlehead/Lambert, pasture 3)



06-06-05 New PESI site

T13S R9W S4

RED BASIN QUAD



