

NEVADA NATIVE SPECIES SITE SURVEY REPORT

rev. WXP-2005-09

SEND TO: NEVADA NATURAL HERITAGE PROGRAM, 901 South Stewart Street, suite 5002, Carson City, NV 89701-5245 (775) 684-2900

PLEASE ENTER ALL INFORMATION AVAILABLE TO YOU. USE THE BACK FOR COMMENTS IF NECESSARY. PLEASE INCLUDE GPS DATA, AND/OR ATTACH PRECISE MAP.

Data Sensitive?

OFFICE USE ONLY	
Reference Code/ID: _____	Source ID: _____
Element Code/ID: _____	EO ID or #: _____
Copies Sent to: _____	

Scientific name (no codes): *Sclerocactus schlesseri* Heil & Welsh var. *pachypodus* Expert
 Surveyor/Reporter (incl. e-mail if any): G. Round Walker (g_round_walker@surveys.nv.gov) Phone: (555) 555-5555 x555

Address: Department of Field Surveys, 1551 E. College Pkwy, suite 136, Carson City NV 89706-7921

Date of Survey: 20 Apr 2005 County: White Pine (NV) and Juab (UT) Collection # 15268 Museum/Herb.: NSMC, UNLV, RENO

GPS <small>(if used)</small>	DATUM (NAD27 preferred, or NAD83, WGS84, other): <u>NAD27</u>	Projection/units (UTM Zone-11/meters preferred, decimal-degrees, dms, or other; specify any non-standard parameters): <u>UTM Zone-11/meters</u>
	Differential correction applied (yes/no/unknown)?: <u>No</u>	Equipment used: <u>Garmin Etrex Legend above head</u>

LOCATION DESCRIPTION (please include or attach GPS coordinates and/or a precise map, showing species boundaries/points and routes/areas searched): Kern Mountains, Snake Valley drainage, 44.7 road miles east of U.S. Highway 93 on road to Gandy, 4.3 air miles S42°E of Mollytop Mountain summit, starting at 4105366mN, 689881mE (see attached GPS polygon data).

Map and/or GPS data estimated to depict true locations to within ± 15 m/ft on the ground, and/or ± n/a mm/in on paper map.

Map Name: Mollytop Mountain Field # 5 T 14N R 54W se ¼ of ne ¼ Sect. 12
 scale=1: 24,000 Elevation: 6270 to 6320 ± 10 m/ft T 14N R 53W sw ¼ of nw ¼ Sect. 7

Observed Area or Length Occupied: ~100x150 ft area, ~0.3 acre Land Manager: BLM; some observed on adjacent private land

Extent of occurrence completely surveyed (Yes/No/Unknown)?: <u>Yes</u>	if No, about: <u>n/a</u> % of potential habitat was surveyed at this occurrence.	The species occupied about: <u>85</u> % of area/length depicted by map or GPS data.
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Is this a new location record (Yes/No/Unknown)?: no a subsequent visit?: yes Compared to last visit: more same fewer

of individuals / stems: 132 census methods (if zero, reason): direct count

of colonies / genets: 4 if different, explain: variety spreads by rhizomes; 4 major aggregations of stems seen

Does this population occur naturally at this site (Yes/No/Partially/Unknown)?: Yes Is this population re-introduced (Yes/No/Partially/Unknown)?: No

Phenologic Stages (plants): 60 % dormant 98 % vegetative 20 % budding 35 % flowering 15 % fruiting 0 % seeding

Age Structure (all): 2 % senescent 95 % adult/mature 3 % juvenile 0 % first-year 0 % newborn/seedling

Site Functions/Uses (animals): breeding foraging wintering roosting denning migrating other

INTERACTIONS (disease, predation, competition, parasitism, symbiosis, pollination, hybridization, dispersal, etc.): 3 dead plants appear to have been flooded; prefers shelter of shrubs; hummingbirds and beetles observed visiting flowers.

HABITAT DESCRIPTION (dominant species, associates, other rare species, moisture, substrate/soils, aspect/slope, light, air/water temperature, time, weather, etc.):

Grayia spinosa/*Artemisia nova* shrub vegetation with *Pleuraphis jamesii*, etc. (see attached supplemental list); biological soil crust well-developed. *Astragalus uncialis* occurs 0.6 miles to NW. Dry, sporadically flooded, open silty flats underlain by ashy lacustrine beds. 10:00-11:00 am, cloudless, air about 65°F.

CURRENT SITE USE / Visible Disturbances and Impacts / Possible Threats: Open public land, lightly grazed except near fence; fenced private land used as equipment yard / road along S edge of patch, power line and maintenance road through middle, fence on east side; vulnerable to road/fence maintenance, ORVs, private development.

Overall Occurrence Quality: Excellent Good Fair Poor (consider size, viability, condition, and landscape context)

COMMENTS ON QUALITY: Public-land side of population in excellent condition and easily protected.

SHOULD/COULD THIS SITE BE PROTECTED? How?: Yes, because of overall rarity and vulnerability of taxon, by appropriate fencing and/or barrier placement, minerals withdrawal, and best management practices.

OTHER COMMENTS: Plants at this site seemed somewhat more robust than average for the taxon; area received heavy rain and some sheet flooding during previous year.

IDENTIFICATION OF TAXON (Fill in all applicable blanks): ID is about 100 % certain.

Keyed in reference: Heil and Porter (1994) revision of *Sclerocactus*

Compared w/photo/drawing in: (same as above)

Compared with specimen at: University of Nevada, Reno, Herbarium (RENO)

By another person (include below; name): J. Danforth Expert

By personal knowledge (yes/no): Yes, from previous surveys of species

Other: _____

PHOTOGRAPHS (check all applicable):

Subject: _____ Type: _____

Diagnostic feature Digital

Whole organism(s) _____ Slide

Habitat or site _____ Print

Attached (Yes/No)? Yes _____ Other

May we obtain copies at our cost? n/a

OTHER KNOWLEDGEABLE PEOPLE (Name / Address / Phone / E-mail): M. Hay Bailer (field assistant), address and phone as above (M_Hay_Bailer@surveys.nv.gov); J. Danforth Expert, 145 Cherry St, Summerville IN 99504, (555) 555-5555 x5555 (dannyx@big.net)