

Astragalus solitarius M. E. Peck**LONESOME MILKVETCH**

FAMILY: *Fabaceae*, the legume family.

STATUS: **Heritage Program SENSITIVE LIST, ranks: G3 S1**

USFWS/ESA: species of concern. **STATE OF NEVADA:** none. **BLM:** Special Status Species in Nevada.

USFS: none. **NNNPS:** watch list.

POPULATION CENSUS (NEVADA): **3 occurrences mapped;** total estimated **individuals 192**, total estimated **area 45.3 ha (112 ac)**. **TREND:** unknown.

IMPACTS AND MAJOR THREATS (NEVADA): No summary available (see references).

INVENTORY EFFORT (NEVADA): Not yet systematically surveyed in Nevada. Most recent entered survey 1983, average year of last survey 1981. **Years since last entered survey** (percent of mapped records at various survey ages): **11-20 yrs:** 33.3%; **21-30 yrs:** 66.7%.

LAND MANAGEMENT (NEVADA): U. S. Bureau of Land Management.

RANGE: Humboldt County, Nevada; also in OR. Maximum Nevada **range dimension 9.1 km (5.6 mi)**.

ELEVATIONS RECORDED (NEVADA): 4600-5200 feet (1402-1585 meters).

HABITAT (NEVADA): Washes and banks of shallow soils on volcanic flat-rock with *Artemisia arbuscula*, *A. tridentata*, *Tetradymia glabrata*, *Poa sandbergii*, *Atriplex confertifolia*, *Chrysothamnus nauseosus*, etc.

PHENOLOGY: flowering late-spring. Range of most frequent **survey months:** June.

LIFE-FORM AND HABIT: perennial herb from a buried root crown.

DESCRIPTION: not available (see references).

PHOTOGRAPHS: none known.

ILLUSTRATIONS: Barneby (1989), Mozingo and Williams (1980).

OTHER GENERAL REFERENCES (listed separately): Barneby (1964).

SPECIFIC REFERENCES:

Yoder-Williams, M. 1980. Status report for *Astragalus yoder-williamsii*. Portland, Oregon: U. S. Fish and Wildlife Service.
