

Astragalus serenoii* (Kuntze) Sheldon var. *sordescens* Barneby **SQUALID MILKVETCH*

FAMILY: *Fabaceae*, the legume family.

STATUS: **Heritage Program WATCH LIST, ranks: G4 T2 S2**

USFWS/ESA: none. **STATE OF NEVADA:** none. **BLM:** none. **USFS:** none. **NNNPS:** none.

POPULATION CENSUS: 13 occurrences mapped; total estimated individuals unknown, total estimated area unknown.

TREND: unknown.

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

INVENTORY EFFORT: Not yet systematically surveyed. Most recent entered survey 1982, average year of last survey 1979. **Years since last entered survey** (percent of mapped records at various survey ages): **11-20 yrs:** 23.1%; **21-30 yrs:** 76.9%.

LAND MANAGEMENT in decreasing predominance: U. S. Bureau of Land Management, Humboldt-Toiyabe National Forest.

RANGE: Esmeralda and Nye counties, Nevada. **Nevada endemic.** Maximum **range dimension 171.8 km (106.8 mi)** excluding most disjunct record. **Type specimen** collected in Nye County.

ELEVATIONS RECORDED: 5040-6840 feet (1536-2085 meters).

HABITAT: Dry, open, gravelly or sandy soils on gentle slopes of alluvial fans or light-colored clay hills, in the mixed-shrub, sagebrush, and lower pinyon-juniper zones, most frequently with *Artemisia nova*.

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

LIFE-FORM AND HABIT: perennial herb.

DESCRIPTION: Plant, legume.

PHOTOGRAPHS: Nevada Natural Heritage Program slide collection (1986-present).

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

OTHER GENERAL REFERENCES (listed separately): Barneby (1964), Goodrich (1981).

SPECIFIC REFERENCES:

Barneby, R. C. 1984. *Dragma hippomanicum* X: *Astragali* (Leguminosae) nevadenses novi criticive, singulo peruviano adjecto. *Brittonia* 36: 167-173.

Goodrich, S. 1979. Status report on *Mertensia toyabensis*. Portland, Oregon: U. S. Fish and Wildlife Service.
