

Astragalus toquimanus Barneby**TOQUIMA MILKVETCH**

FAMILY: *Fabaceae*, the legume family.

STATUS: **Heritage Program SENSITIVE LIST, ranks: G2 S2**

USFWS/ESA: none. **STATE OF NEVADA:** none. **BLM:** Special Status Species. **USFS:** Humboldt-Toiyabe NF Sensitive Species. **NNNPS:** watch list.

POPULATION CENSUS: **9 occurrences mapped**; total estimated **individuals unknown**, total estimated **area 9.3+ ha (23.0+ ac)**. **TREND:** unknown.

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

INVENTORY EFFORT: Not yet systematically surveyed. Most recent entered survey 1991, average year of last survey 1982. **Years since last entered survey** (percent of mapped records at various survey ages): **6-10 yrs: 22.2%; 21-30 yrs: 77.8%**.

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

RANGE: Nye County, Nevada. **Nevada endemic.** Maximum **range dimension 42.6 km (26.5 mi)** excluding most disjunct record.

ELEVATIONS RECORDED: 6480-7520 feet (1975-2292 meters).

HABITAT: Dry, stiff, sandy to gravelly, generally somewhat basic or calcareous soils in *Pinus monophylla*, *Juniperus osteosperma*, and/or *Artemisia* communities, mostly on flats or gentle slopes, frequently growing under or up through shrubs.

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

LIFE-FORM AND HABIT: perennial herb.

DESCRIPTION: A wiry perennial herb. Stems 1-2.5 dm tall. Flowers (May and June) pale yellow, tinged and veined with lilac.

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

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

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

SPECIFIC REFERENCES:

Morefield, J. D. 1992. Interim status report for *Frasera pahutensis* Reveal. Carson City: Nevada Natural Heritage Program, prepared for the Toiyabe National Forest, Sparks, Nevada.

Woodbury, K. 1980. Status report for *Astragalus toquimanus*. Portland, Oregon: U. S. Fish and Wildlife Service.
