

Astragalus porrectus S. Watson**LAHONTAN MILKVETCH**

FAMILY: *Fabaceae*, the legume family.

STATUS: **Heritage Program WATCH LIST, ranks: G3? S3?**

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

POPULATION CENSUS: **19 occurrences mapped** at 1.0 km (0.6 mi) separation, **OR 29 occurrences mapped** at 0.16 km (0.1 mi) separation; total estimated **individuals 15,000+**, total estimated **area 15.7+ ha (38.8+ ac)**. **TREND:** unknown.

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

INVENTORY EFFORT: Not yet systematically surveyed. Most recent entered survey 1989, average year of last survey 1978. **Years since last entered survey** (percent of mapped records at various survey ages): **11-20 yrs:** 79.3%; **21-30 yrs:** 13.8%; **51+ yrs or unknown:** 6.9%.

LAND MANAGEMENT in decreasing predominance: U. S. Bureau of Land Management, private lands.

RANGE: Churchill, Humboldt, Lyon, Pershing, and Washoe counties, Nevada. **Nevada endemic.** Maximum **range dimension 181.9 km (113.0 mi)** excluding most disjunct record.

ELEVATIONS RECORDED: 4020-5200 feet (1225-1585 meters).

HABITAT: Open, calcareous or alkaline, sandy to gravelly washes, alluvium, or gullies on clay badlands, knolls, or playa edges in the shadscale zone.

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

LIFE-FORM AND HABIT: perennial herb.

DESCRIPTION: A stiffly branched perennial herb with stems to 4 dm long. Prominent field characters include thin, dry sheathing structures (stipules) at the base of the leaves and broad, leathery leaflets borne some distance apart on the leaf axis.

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).

SPECIFIC REFERENCES:

Holmgren, A. H., L. M. Shultz and J. S. Shultz. 1977. Herbarium search and literature review: survey of proposed sensitive species in Humboldt and Pershing Counties. Logan: Utah State University, Intermountain Herbarium.

Tiehm, A. 1983. Field search for proposed threatened and endangered plants on Phillips Petroleum lease unit in the Desert Peak area of Churchill County, Nevada. Carson City: Nevada Natural Heritage Program files.

Tiehm, A. 1989. Proposed threatened and endangered plants of the Humboldt Range, Pershing County, Nevada. Carson City: Nevada Natural Heritage Program.
