

Astragalus ackermanii Barneby**ACKERMAN MILKVETCH**

FAMILY: *Fabaceae*, the legume family.

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

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

POPULATION CENSUS: **9 occurrences mapped**; total estimated **individuals unknown**, total estimated **area unknown**.

TREND: unknown.

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

INVENTORY EFFORT: Targeted surveys have been conducted, but are old and likely very incomplete. Most recent entered survey 1993, average year of last survey 1982. **Years since last entered survey** (percent of mapped records at various survey ages): **6-10 yrs:** 11.1%; **11-20 yrs:** 22.2%; **21-30 yrs:** 66.7%.

LAND MANAGEMENT in decreasing predominance: U. S. Fish and Wildlife Service, U. S. Department of Defense.

RANGE: Clark and Lincoln counties, Nevada. Apparently endemic to the Sheep and Pintwater ranges. Maximum **range dimension 56.1 km (34.9 mi)** excluding most disjunct record.

ELEVATIONS RECORDED: 4000-6200 feet (1219-1890 meters).

HABITAT: Crevices and ledges of carbonate cliffs in the mixed shrub, sagebrush, and juniper woodland zones.

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

LIFE-FORM AND HABIT: semi-woody long-lived perennial herb.

DESCRIPTION: A perennial herb, 1-5 dm tall, with an intricately entangled, tuft-forming habit and bell-shaped flowers.

PHOTOGRAPHS: Knight and Smith (1994), Knight et al. (1997); Nevada Natural Heritage Program files.

ILLUSTRATIONS: Barneby (1980).

OTHER GENERAL REFERENCES (listed separately): Ackerman (1981).

SPECIFIC REFERENCES:

Barneby, R. C. 1980. *Dragma hippomanicum* V. Two new *Astragali* from intermountain United States. *Brittonia* 32: 24-29.
