

Astragalus remotus (M. E. Jones) Barneby**SPRING MOUNTAINS MILKVETCH****FAMILY:** *Fabaceae*, the legume family.**SYNONYMS:** *Astragalus arrectus* var. *remotus***STATUS:****Heritage Program SENSITIVE LIST, ranks: G2 S2****USFWS/ESA:** species of concern. **STATE OF NEVADA:** none. **BLM:** Special Status Species. **USFS:** Humboldt-Toiyabe NF Sensitive Species. **NNNPS:** watch list.**POPULATION CENSUS:** 17 occurrences mapped; total estimated individuals 5018+, total estimated area 202+ ha (499+ ac). **TREND:** unknown.**IMPACTS AND MAJOR THREATS:** U.S. Forest Service: existing threats include livestock and wild horse grazing, heavy recreation use of the mountains from the Las Vegas population, and frequent fires in the area.**INVENTORY EFFORT:** Not yet systematically surveyed. Most recent entered survey 1998, average year of last survey 1968. **Years since last entered survey** (percent of mapped records at various survey ages): **0-5 yrs:** 5.9%; **6-10 yrs:** 17.6%; **11-20 yrs:** 5.9%; **21-30 yrs:** 29.4%; **31-50 yrs:** 11.8%; **51+ yrs or unknown:** 29.4%.**LAND MANAGEMENT** in decreasing predominance: U. S. Bureau of Land Management, Humboldt-Toiyabe National Forest, private lands, Nevada state lands (?).**RANGE:** Clark County, Nevada. Endemic to the southeastern slopes of the Spring Mountains. Maximum **range dimension 31.8 km (19.8 mi)** excluding most disjunct record.**ELEVATIONS RECORDED:** 3400-7050 feet (1036-2149 meters).**HABITAT:** Rocky, gravelly, and/or sandy calcareous soils derived from carbonate or sandstone, in washes and drainages, or on hillsides or rocky ledges, with the zonal desert shrub or desert wash communities.**PHENOLOGY:** flowering spring. Range of most frequent **survey months:** April-May.**LIFE-FORM AND HABIT:** perennial herb.**DESCRIPTION:** A perennial herb with several erect stems, 1.5-4 dm long, and with buff-colored, lilac tinged flowers in bloom April-early June.**PHOTOGRAPHS:** Weixelman and Atwood (1990); Nevada Natural Heritage Program images web page (1998-present), slide collection (1986-present), and files.**ILLUSTRATIONS:** Weixelman and Atwood (1990).**OTHER GENERAL REFERENCES** (listed separately): Barneby (1964), Clokey (1951), Nachlinger (1994), Niles et al. (1998), Spahr et al. (1991).**SPECIFIC REFERENCES:**Barneby, R. C. 1944. *Pugillus astragalorum* III. Leaflets of Western Botany 4: 49-63.Morefield, J. D. 1992. Status report for *Opuntia whipplei* Engelman and Bigelow var. *multigeniculata* (Clokey) L.

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