

Viola purpurea var. charlestonensis (M. S. Baker & J. C. Clausen ex Clokey)**CHARLESTON VIOLET**

FAMILY: *Violaceae*, the violet family.

SYNONYMS: *Viola charlestonensis*

STATUS:

Heritage Program **SENSITIVE LIST**, ranks: **G5 T3Q S2S3**

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

POPULATION CENSUS (NEVADA): **11 occurrences mapped** at 1.0 km (0.6 mi) separation, OR **12 occurrences mapped** at 0.16 km (0.1 mi) separation; total estimated **individuals 211+**, total estimated **area 4.1+ ha (10.1+ ac)**.

TREND: unknown.

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

INVENTORY EFFORT (NEVADA): Not yet systematically surveyed in Nevada. Most recent entered survey 1989, average year of last survey 1956. **Years since last entered survey** (percent of mapped records at various survey ages): **11-20 yrs:** 8.3%; **21-30 yrs:** 25%; **31-50 yrs:** 16.7%; **51+ yrs or unknown:** 50%.

LAND MANAGEMENT (NEVADA) in decreasing predominance: Humboldt-Toiyabe National Forest, designated wilderness, U. S. Bureau of Land Management, private lands (?).

RANGE: Clark County, Nevada; also in AZ and UT. In Nevada known only from the Spring Mountains. Maximum Nevada **range dimension 17.0 km (10.6 mi)** excluding most disjunct record.

ELEVATIONS RECORDED (NEVADA): 6500-9800 feet (1981-2987 meters).

HABITAT (not yet reviewed for Nevada): "Gravelly slopes and dry washes at 1980-2990 m elevation."

PHENOLOGY: no summary available. Range of most frequent **survey months:** May-June.

DESCRIPTION: A perennial herb, about 8 cm tall, with soft-downy, gray leaves. Yellow flowers bloom May-June.

PHOTOGRAPHS: Atwood et al. (1991), Weixelman and Atwood (1990); Nevada Natural Heritage Program slide collection (1986-present) and files.

ILLUSTRATIONS: Atwood et al. (1991), Mozingo and Williams (1980), Weixelman and Atwood (1990), Welsh (1979).

OTHER GENERAL REFERENCES (listed separately): Clokey (1951).

SPECIFIC REFERENCES:

Knight, T. A. 1989. Status report for *Astragalus mohavensis* S. Watson var. *hemigyris* (Clokey) Barneby. Carson City: Nevada Natural Heritage Program, prepared for the U. S. Fish and Wildlife Service, Reno.
