

Camissonia megalantha (Munz [1941]) Raven**CANE SPRING SUNCUP**

FAMILY: *Onagraceae*, the evening-primrose family.

SYNONYMS: *Oenothera megalantha*
Oenothera heterochroma var. *megalantha*

STATUS:

Heritage Program SENSITIVE LIST, ranks: G3Q S3

USFWS/ESA: species of concern. **STATE OF NEVADA:** none. **BLM:** Special Status Species. **USFS:** none.

NNNPS: watch list.

POPULATION CENSUS: **22 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 85,000+**, total estimated **area 417+ ha (1030+ ac)**. **TREND:** unknown.

IMPACTS AND MAJOR THREATS: In 1975, Nevada sites threatened by proximity to an ammunition dump and a new-found Utah site by possible road construction.

INVENTORY EFFORT: Surveys have been extensive and are largely complete, but a few undocumented occurrences may remain. Most recent entered survey 1993, average year of last survey 1989. **Years since last entered survey** (percent of mapped records at various survey ages): **6-10 yrs:** 72.4%; **21-30 yrs:** 24.1%; **31-50 yrs:** 3.4%.

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

RANGE: Lincoln and Nye counties, Nevada. **Nevada endemic.** Maximum **range dimension 38.3 km (23.8 mi)** excluding most disjunct record. **Type specimen** collected in Nye County.

ELEVATIONS RECORDED: 3380-6500 feet (1030-1981 meters).

HABITAT: Generally dry, open, loose soils on sandy to gravelly flats, slopes, or scree, sometimes in outcrop crevices, derived mainly from whitish to brownish volcanic tuff or tuffaceous sedimentary deposits, usually in places with frequent light disturbance such as shifting slopes, washes, roadsides (or in lightly used road beds), or on older recovering disturbances, mainly in salt desert shrub communities.

PHENOLOGY: flowering summer to early-fall. Range of most frequent **survey months:** May-October.

LIFE-FORM AND HABIT: annual.

DESCRIPTION: A robust, 0.1-2 m tall annual that produces lavender flowers in the fall.

PHOTOGRAPHS: Blomquist et al. (1995); Nevada Natural Heritage Program files.

ILLUSTRATIONS: none known.

OTHER GENERAL REFERENCES (listed separately): Ackerman (1981), Beatley (1976), Beatley (1977), Cochrane (1979), Rhoads and Williams (1977), Rhoads et al. (1979).

SPECIFIC REFERENCES:

Collins, E. and T. P. O'Farrell. 1984. Surveys for plant species of concern on northern and eastern Yucca Flat, Nevada Test Site, Nye County, Nevada. Santa Barbara, California: EG and G/EM report 10282-2039.

Munz, P. A. 1941. Interesting western plants. Leaflets of Western Botany 3: 49-53.
