

Silene nachlingerae Tiehm**NACHLINGER CATCHFLY**

FAMILY: *Caryophyllaceae*, the pink family.

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: **14 occurrences mapped** at 1.0 km (0.6 mi) separation, **OR 16 occurrences mapped** at 0.16 km (0.1 mi) separation; total estimated **individuals unknown**, total estimated **area 14.2+ ha (35.1+ ac)**.

TREND: unknown.

IMPACTS AND MAJOR THREATS: Little - inaccessible.

INVENTORY EFFORT: A systematic survey has been conducted, but much potential habitat remains to be examined.

Most recent entered survey 1998, average year of last survey 1990. **Years since last entered survey** (percent of mapped records at various survey ages): **0-5 yrs:** 43.8%; **6-10 yrs:** 6.3%; **11-20 yrs:** 50%.

LAND MANAGEMENT in decreasing predominance: Humboldt-Toiyabe National Forest, U. S. Bureau of Land Management, designated wilderness, National Park Service.

RANGE: Elko, Nye, and White Pine counties, Nevada. **Nevada endemic.** Maximum **range dimension 211.7 km (131.6 mi)** excluding most disjunct record.

ELEVATIONS RECORDED: 7160-11250 feet (2182-3429 meters).

HABITAT: Generally dry, exposed or somewhat sheltered carbonate (rarely quartzite) crevices in ridgeline outcrops, talus, or very rocky soils on or at the bases of steep slopes or cliffs, on all aspects but predominantly on northwesterly to northeasterly exposures, mainly in the subalpine conifer zone with sparse *Petrophytum caespitosum*, *Erigeron* cf. *simplex*, *Pinus flexilis*, *P. longaeva*, *Artemisia arbuscula*, *Cercocarpus betuloides*, *Ericameria watsonii*, *Symphoricarpos oreophila*, *Leucopoa nevadensis*, *Jamesia tetrapetala*, *Primula nevadensis*, etc.

PHENOLOGY: flowering summer. Range of most frequent **survey months:** July-August.

LIFE-FORM AND HABIT: perennial herb.

DESCRIPTION: A perennial herb, 6-25 cm high, that produces 2-4 white to purple petaled flowers per stem; the petals mostly enclosed by the tubular purple calyx. Blooms in August and September.

PHOTOGRAPHS: Anderson et al. (1991).

ILLUSTRATIONS: Anderson et al. (1991), Tiehm (1985).

SPECIFIC REFERENCES:

- Holland, R. F. 1999. Current knowledge and conservation status of *Silene nachlingerae* Tiehm (Caryophyllaceae), Jan's catchfly, in Nevada [July 1997]. Carson City: Nevada Natural Heritage Program, DRAFT status report prepared for the Bureau of Land Management, Reno.
- Lyman, J. and A. Sanders. 1993. Mount Moriah botanical survey, Mount Moriah Wilderness-Humboldt National Forest, White Pine County, Nevada. Riverside: University of California, DRAFT report prepared for the Humboldt National Forest, Ely, Nevada.
- Tiehm, A. 1985. A new species and a new combination in western North American *Silene* (Caryophyllaceae). *Brittonia* 37: 344-346.
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