

Phacelia glaberrima (Torrey ex S. Watson [1871]) J. T. Howell**REESE RIVER PHACELIA**

FAMILY: *Hydrophyllaceae*, the waterleaf family.

SYNONYMS: *Miltitzia glaberrima*

STATUS:

Heritage Program WATCH LIST, ranks: G3? S3?

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

POPULATION CENSUS: **16 occurrences mapped** at 1.0 km (0.6 mi) separation, OR **18 occurrences mapped** at 0.16 km (0.1 mi) separation; total estimated **individuals 4560+**, total estimated **area unknown**. **TREND:** unknown.

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

INVENTORY EFFORT: Systematic surveys have not yet been conducted. Known only from specimens. Most recent entered survey 1988, average year of last survey 1972. **Years since last entered survey** (percent of mapped records at various survey ages): **11-20 yrs:** 15.8%; **21-30 yrs:** 73.7%; **51+ yrs or unknown:** 10.5%.

LAND MANAGEMENT: U. S. Bureau of Land Management.

RANGE: Churchill, Lander, Lincoln, Mineral, and Pershing counties, Nevada. **Nevada endemic.** Maximum **range dimension 105.9 km (65.8 mi)** excluding most disjunct record. **Type specimen** collected in Lander County.

ELEVATIONS RECORDED: 4000-6000 feet (1219-1829 meters).

HABITAT: Open, dry to moist, alkaline, nearly barren, sometimes scree-covered, whitish to brownish shrink-swell clay soils derived from fluviolacustrine volcanic ash and tuff deposits, generally on the steeper slopes of low hills, bluffs, and badlands in the shadscale-greasewood, sagebrush, and lower pinyon-juniper zones with *Atriplex confertifolia*, *A. canescens*, *Artemisia tridentata*, *Sarcobatus vermiculatus*, *Tetradymia*, *Phacelia gymnoclada*, *Cleomella*, etc.

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

LIFE-FORM AND HABIT: small annual.

DESCRIPTION: An annual herb with several spreading stems up to 2 dm long. Leaves are somewhat succulent. Clusters of lemon-yellow flowers bloom in May and June.

PHOTOGRAPHS: none known.

ILLUSTRATIONS: Cronquist et al. (1984), Mozingo and Williams (1980).

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

SPECIFIC REFERENCES:

Halse, R. R. 1981. Taxonomy of *Phacelia* section *Miltitzia* (Hydrophyllaceae). *Madroño* 28: 121-132.

Howell, J. T. 1944. A reconsideration of the genus *Miltitzia*. *Leaflets of Western Botany* 4: 12-16.

Watson, S. 1871. Botany. In: C. King, Report of the U. S. Geological Exploration of the 40th Parallel. 5: 1-525.

Williams, M. 1978. Status report on *Astragalus lentiginosus* var. *sesquimetralis*. Portland, Oregon: U. S. Fish and Wildlife Service.
