

Eriogonum tiehmii Reveal (1985)**TIEHM BUCKWHEAT**

FAMILY: *Polygonaceae*, the buckwheat family.

STATUS: Heritage Program SENSITIVE LIST, ranks: G1 S1

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

POPULATION CENSUS: 2 occurrences mapped at 1.0 km (0.6 mi) separation, OR 6 occurrences mapped at 0.16 km (0.1 mi) separation; total estimated individuals 21,000+, total estimated area 8.5 ha (21.0 ac). TREND: unknown.

IMPACTS AND MAJOR THREATS: Off-road vehicle use, mineral exploration and development, small population numbers and areas. Most sites have been impacted by past mineral exploration and extraction, and claims markers remain.

INVENTORY EFFORT: Surveys appear to be complete, with little or no unexamined potential habitat remaining. Most recent entered survey 1994, average year of last survey 1994. Years since last entered survey (percent of mapped records at various survey ages): 6-10 yrs: 100%.

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

RANGE: Esmeralda County, Nevada. Endemic to a very small area of the Silver Peak Range. Maximum range dimension 1.6 km (1.0 mi) excluding most disjunct record. Type specimen collected in Esmeralda County.

ELEVATIONS RECORDED: 5960-6200 feet (1817-1890 meters).

HABITAT: Dry, open, relatively barren, light-colored rocky clay soils derived from a formation of interbedded claystones, shales, tuffaceous sandstones, and limestones, on all aspects with slopes up to about 50 percent, in pure stands or with a sparse cover of *Atriplex confertifolia*, *Pleuraphis jamesii*, *Sporobolus airoides*, and a few other species.

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

LIFE-FORM AND HABIT: long-lived perennial cushion.

DESCRIPTION: A low, spreading, perennial herb that forms a dense mat up to 3 dm across. Clusters of cream-colored flowers bloom May-July.

PHOTOGRAPHS: Morefield (1995); Nevada Natural Heritage Program slide collection (1986-present) and files.

ILLUSTRATIONS: none known.

OTHER GENERAL REFERENCES (listed separately): Reveal (1985).

SPECIFIC REFERENCES:

Morefield, J. D. 1995. Current knowledge and conservation status of *Eriogonum tiehmii* Reveal (*Polygonaceae*), Tiehm buckwheat. Carson City: Nevada Natural Heritage Program, status report prepared for the U. S. Fish and Wildlife Service, Reno.

Reveal, J. L. 1985. New Nevada entities and combinations in *Eriogonum* (*Polygonaceae*). *Great Basin Naturalist* 45: 276-280.
