

***Eriogonum esmeraldense* S. Watson *var. toyabense* J. T. Howell (1952)****TOIYABE BUCKWHEAT**

**FAMILY:** *Polygonaceae*, the buckwheat family.

**STATUS:**

**Heritage Program SENSITIVE LIST, ranks: G4 T2 S2**

**USFWS/ESA:** none. **STATE OF NEVADA:** none. **BLM:** none. **USFS:** Humboldt-Toiyabe NF Sensitive Species.

**NNNPS:** watch list.

**POPULATION CENSUS:** 13 occurrences mapped; total estimated individuals 17,000+, total estimated area unknown.

**TREND:** unknown.

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

**INVENTORY EFFORT:** Systematic surveys have not yet been conducted. Most recent entered survey 1995, average year of last survey 1969. **Years since last entered survey** (percent of mapped records at various survey ages): **6-10 yrs:** 15.4%; **11-20 yrs:** 15.4%; **21-30 yrs:** 30.8%; **31-50 yrs:** 15.4%; **51+ yrs or unknown:** 23.1%.

**LAND MANAGEMENT** in decreasing predominance: Humboldt-Toiyabe National Forest, designated wilderness.

**RANGE:** Eureka, Lander, and Nye counties, Nevada. **Nevada endemic.** Maximum **range dimension 72.1 km (44.8 mi)** excluding most disjunct record. **Type specimen** collected in Lander County.

**ELEVATIONS RECORDED:** 7200-9240 feet (2195-2816 meters).

**HABITAT:** Generally steep, loose, sandy to gravelly or clay slopes derived from rhyolitic or andesitic volcanic materials, frequently on white ash deposits, in the pinyon-juniper, mountain sagebrush, mountain mahogany, and subalpine conifer zones.

**PHENOLOGY:** flowering late-spring to summer. Range of most frequent **survey months:** June-July.

**LIFE-FORM AND HABIT:** annual.

**DESCRIPTION:** not available (see references).

**PHOTOGRAPHS:** Nevada Natural Heritage Program files.

**ILLUSTRATIONS:** none known.

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

**SPECIFIC REFERENCES:**

Howell, J. T. 1952. *Eriogonum* notes. Leaflets of Western Botany 6: 177-180.

Morefield, J. D. 1992. Interim status report for *Arabis ophira* Rollins. Carson City: Nevada Natural Heritage Program, prepared for the Toiyabe National Forest, Sparks, Nevada.

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