

Arabis tiehmii Rollins (1983)**TIEHM ROCKCRESS**

FAMILY: *Brassicaceae*, the mustard family.

STATUS: **Heritage Program SENSITIVE LIST, ranks: G2 S1**

USFWS/ESA: species of concern. **STATE OF NEVADA:** none. **BLM:** none. **USFS:** Inyo NF Sensitive Species.
NNNPS: watch list.

POPULATION CENSUS (NEVADA): **1 occurrence mapped** at 1.0 km (0.6 mi) separation, OR **2 occurrences mapped** at 0.16 km (0.1 mi) separation; total estimated **individuals 2100**, total estimated **area 10.9 ha (26.9 ac)**.

TREND: unknown.

IMPACTS AND MAJOR THREATS (NEVADA): Minimal due to inaccessible habitat, occasional off-trail foot traffic possible. The Nevada sites are on steep terrain in designated wilderness away from established trails.

INVENTORY EFFORT (NEVADA): Surveys in Nevada substantially complete. Most recent entered survey 1993, average year of last survey 1993. **Years since last entered survey** (percent of mapped records at various survey ages): **6-10 yrs:** 100%.

LAND MANAGEMENT (NEVADA) in decreasing predominance: designated wilderness, Humboldt-Toiyabe National Forest.

RANGE: Washoe County, Nevada; also in CA. In Nevada known only from the Mount Rose area in the northern Carson Range. Maximum Nevada **range dimension .5 km (.3 mi)**. **Type specimen** collected in Washoe County.

ELEVATIONS RECORDED (NEVADA): 9820-10560 feet (2993-3219 meters).

HABITAT (NEVADA): Steep outcrops, talus, and scree of weathering andesitic volcanic and metavolcanic (and possible metasedimentary) deposits, sometimes on adjacent decomposed granite or carbonates, on ridge tops or on steep, mostly west to north aspects, frequently in dry drainages, with a sparse cover of other subalpine to alpine species.

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

LIFE-FORM AND HABIT: perennial herb.

DESCRIPTION: not available (see references).

PHOTOGRAPHS: Morefield (1994), Weixelman and Atwood (1990); Nevada Natural Heritage Program slide collection (1986-present) and files.

ILLUSTRATIONS: Weixelman and Atwood (1990).

OTHER GENERAL REFERENCES (listed separately): Hickman (1993), Rollins (1993).

SPECIFIC REFERENCES:

Morefield, J. D. 1994. Status report for *Arabis tiehmii* Rollins (1983). Carson City: Nevada Natural Heritage Program, prepared for the U. S. Fish and Wildlife Service, Reno.

Rollins, R. C. 1983. Studies in the Cruciferae of western North America. *Journal of the Arnold Arboretum* 64: 491-510.
