

Potentilla cottamii N. Holmgren**COTTAM CINQUEFOIL**

FAMILY: *Rosaceae*, the rose family.

STATUS: **Heritage Program SENSITIVE LIST, ranks: G1 S1**

USFWS/ESA: species of concern. **STATE OF NEVADA:** none. **BLM:** Special Status Species in Nevada.

USFS: Humboldt-Toiyabe NF Sensitive Species. **NNNPS:** watch list.

POPULATION CENSUS (NEVADA): **2 occurrences mapped;** total estimated **individuals unknown**, total estimated **area unknown**. **TREND:** unknown.

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

INVENTORY EFFORT (NEVADA): Surveys have been fairly extensive, but substantial potential habitat may remain unexamined. Most recent entered survey 1986, average year of last survey 1958.

Years since last entered survey (percent of mapped records at various survey ages): **11-20 yrs: 50%; 51+ yrs or unknown: 50%.**

LAND MANAGEMENT (NEVADA) in decreasing predominance: U. S. Bureau of Land Management, private lands (?).

RANGE: Elko County, Nevada; also in UT. In Nevada known only from the Pilot Range. Maximum Nevada **range dimension 1.2 km (.7 mi)**.

ELEVATIONS RECORDED (NEVADA): 9400-10600 feet (2865-3231 meters).

HABITAT (NEVADA): Crevices or narrow ledges on outcrops of quartzite or other siliceous metamorphic or granitoid rocks, on all aspects but preferring northerly or shaded exposures, in the upper subalpine conifer zone with *Pinus flexilis*, *Abies lasiocarpa*, *Ribes montigenum*, *Achillea millefolium*, *Cystopteris fragilis*, *Potentilla diversifolia*, *Sedum rosea*, etc.

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

LIFE-FORM AND HABIT: small matted long-lived perennial herb.

DESCRIPTION: A low, mat-forming, herbaceous perennial from a well developed, much-branched caudex. Stems, 0.5-1.3 dm long, are decumbent or spreading in flower, often prostrate in fruit; leaves mostly basal and 3-foliolate. The inflorescence is 1 to 2 flowered.

PHOTOGRAPHS: Atwood et al. (1991).

ILLUSTRATIONS: Atwood et al. (1991), Cronquist et al. (1997), Holmgren (1987).

SPECIFIC REFERENCES:

Holmgren, N. 1987. Two new species of *Potentilla* (Rosaceae) from the Intermountain region of western U. S. A. *Brittonia* 39: 340-344.
