

Artemisia packardiae J. Grimes & Ertter (1979)**PACKARD MUGWORT**

FAMILY: *Asteraceae*, the sunflower family.

STATUS: **Heritage Program WATCH LIST, ranks: G3 S2**

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

POPULATION CENSUS (NEVADA): 4 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): Inventory based on existing collections. Much more potential habitat could be surveyed. Most recent entered survey 1985, average year of last survey 1984.

Years since last entered survey (percent of mapped records at various survey ages): **11-20 yrs:** 100%.

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

RANGE: Elko, Humboldt, and Washoe (?) counties, Nevada; also in ID and OR. Maximum Nevada **range dimension 85.2 km (52.9 mi)** excluding most disjunct record. **Type specimen** collected in Malheur County, Oregon.

ELEVATIONS RECORDED (NEVADA): 5000-7800 feet (1524-2377 meters).

HABITAT (NEVADA): Talus and crevices of shaded, steep to vertical volcanic cliffs in canyons in the sagebrush steppe, juniper, and lower mountain sagebrush zones.

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

LIFE-FORM AND HABIT: rhizomatous perennial herb from a buried root crown.

DESCRIPTION: Fragrant, upright, hairless, glandular, bright green perennial herb with many stems, alternate lobed leaves, and numerous small rayless heads with bright yellow flowers. **Distinguishing features:** Distinguished from *Artemisia michauxiana* and *A. ludoviciana* by a complete absence of tomentose hairs and the presence of numerous sessile glands.

PHOTOGRAPHS: none known.

ILLUSTRATIONS: Cronquist (1994), Grimes and Ertter (1979).

SPECIFIC REFERENCES:

Grimes, J. W. and B. Ertter. 1979. A new species of *Artemisia* (Asteraceae: Anthemideae) from southeastern Oregon. *Brittonia* 31: 454-458.

Patterson, R. and M. Yoder-Williams. 1984. *Leptodactylon glabrum*, a new intermountain species of Polemoniaceae. *Systematic Botany* 9: 261-262.

OF FURTHER INTEREST: Distinct taxon, related to the more northern *A. michauxiana*; one of many taxa in a large genus.
