

Ivesia pityocharis Ertter (1989)**PINE NUT MOUNTAINS IVESIA**

FAMILY: *Rosaceae*, the rose family.

STATUS:

Heritage Program SENSITIVE LIST, ranks: G2 S2

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

NNNPS: watch list.

POPULATION CENSUS: **5 occurrences mapped** at 1.0 km (0.6 mi) separation, OR **14 occurrences mapped** at 0.16 km (0.1 mi) separation; total estimated **individuals 212,000+**, total estimated **area 42.1 ha (104 ac)**. **TREND:** unknown.

IMPACTS AND MAJOR THREATS: Grazing and trampling by livestock and feral horses, road maintenance and off-road vehicle use, competition with invasive weeds, alteration of habitat hydrology by water diversions, stock developments, or long-term habitat damage, mineral exploration and development.

INVENTORY EFFORT: Surveys are substantially complete, with only a small amount of potential habitat remaining unexamined. Most recent entered survey 1993, average year of last survey 1992.

Years since last entered survey (percent of mapped records at various survey ages): **6-10 yrs:** 92.9%; **11-20 yrs:** 7.1%.

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

RANGE: Douglas County, Nevada. Endemic to the Pine Nut Mountains. Maximum **range dimension 5.0 km (3.1 mi)** excluding most disjunct record. **Type specimen** collected in Douglas County.

ELEVATIONS RECORDED: 6990-8550 feet (2131-2606 meters).

HABITAT: Seasonally or periodically wet, otherwise moist to dry decomposed granite soils or sod of meadow margins with shallow underlying water table and/or bedrock, associated with springs, moist drainages, or ephemeral ponds, typically on flats or gentle northwest to northeast exposures, but found on all aspects with slopes up to about 20 degrees, with *Artemisia tridentata vaseyana*, *Juncus balticus*, *Elymus elymoides*, *Camissonia tanacetifolia*, *Muhlenbergia richardsonis*, *Poa secunda*, etc. Aquatic or wetland-dependent.

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

LIFE-FORM AND HABIT: perennial herb.

DESCRIPTION: A perennial herb with white flowers, blooming July-August. Hairy, reddish stems are prostrate to ascending, 7-30 cm long.

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

ILLUSTRATIONS: Cronquist et al. (1997).

SPECIFIC REFERENCES:

Ertter, B. 1989. Revisionary studies in *Ivesia* (Rosaceae: Potentilleae). *Systematic Botany* 14: 231-244.

Morefield, J. D. 1994. Status report for *Ivesia pityocharis* Ertter (1989). Carson City: Nevada Natural Heritage Program, prepared for the U. S. Fish and Wildlife Service, Reno.
