Heritage Ranking Form - State Rank

Scientific Name: Mimulus hymenophyllus

Common Name: Membrane-leaved monkeyflower

Classification: Vascular Plant

Range Extent: A = <100 sq km (< ~40 sq mi)

52 km2 calculated using convex hull.

Population Size: BC = 50 - 1000 individuals

Comments: Estimated 350 plants if all from 1990s surveys are still extant. Two sites have no population data. Most recent survey of one site in 2010 found 110 plants.

Number of Occurrences: B = 6 - 20

Comments: 6 EOs using 1 km separation distance

Area of Occupancy: D = 6-25 4-km2 grid cells

Comments: 10 4km2 grid cells occupied.

Good Viability: A = No occurrences with excellent or good (A or B) viability or ecological integrity

Comments: All populations are small (150 plants or fewer).

Environmental Specificity: A = Very narrow. Specialist or community with key requirements scarce

Comments: Seeps on steep basalt cliff faces.

Short Term Trends: G = Relatively Stable (<=10% change)

Long Term Trends:  

*U = Unknown*

Comments: The remoteness of known sites make it unlikely that human-caused disturbance has resulted in any decrease in population numbers (Meinke 1995).

**Threat Impact:**  

*C = Medium*

Comments: Cliff sites are inaccessible to people and cattle. However, logging or fire could open the canopy to more sunlight potentially drying seep habitat. Climate change is a threat as warmer or drier weather could also decrease suitable habitat.

**Intrinsic Vulnerability:**  

*Not Evaluated*

Comments: None

**Heritage Rank:**  

*S2*

Comments: Small population size and few EOs, but populations have been stable. Habitat is inaccessible to people and cattle. Extremely vulnerable to climate change, so monitoring should continue periodically.

Rank Notes: None


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