

Heritage Ranking Form - Global Rank

Scientific Name: Calochortus greenei

Common Name: Greene's mariposa-lily

Classification: Vascular Plant

Range Extent: F = 20,000-200,000 sq km (~8,000-80,000 sq mi)

Comments: 10317 square miles. SW Oregon and adjacent Siskiyou and Modoc counties in California

Area of Occupancy: E = 26-125 4-km² grid cells

Comments: Total of 98 grid cells. 48 grid cells in Oregon. California has 50 records so probably at the most there would be an additional 50 grid cells from that state.

Number of

Occurrences: C = 21 - 80

Comments: 17 occurrences in OR, California has 50 records so there should be at least 4 more to make the cut-off for the lower range value.

Population Size: F = 10,000 - 100,000 individuals

Comments: Total of about 42,000 plants; 16,000 in OR and 26,000 in California

Good Viability: CD = Few to some (4-40) occurrences with good viability

Comments: 11-13 occurrences considered good to excellent; 2 in Oregon, the rest in California.

Environmental

Specificity: Not Evaluated

Comments: None

Short Term Trends: F = Decline of 10 - 30%

Comments: Lower elevation populations, <6400', subject to herbivory from cattle, deer and rabbit.

Long Term Trends: BE = Decline of 30 - 90%

Comments: In Shasta Valley, CA, much of the area which probably supported this species is now under cultivation, or covered with invasives (star thistle, medusahead, and cheatgrass) (Brock 1988).

Threat Impact: B = High

Comments: Threatened by herbivory from deer, rabbits and cattle and by competition from invasives (star thistle, medusahead, cheatgrass).

Intrinsic Vulnerability: Not Evaluated

Comments: None

Heritage Rank: G3

Comments: Plant numbers, occurrences, and occurrence health appear to be good but threats are high. Plants are susceptible to grazing pressures from cattle, deer and rabbits, and from competition with species, such as star thistle, medusahead, and cheatgrass.

Rank Notes: None

Reference: Brock, Richard. 1988. *Calochortus greenei*: habitat and threat analysis. Prepared with a grant from the Hardman Foundation, Woodland Hills, California. Unpublished document on file at ORBIC.

Rank Date: 6/23/2010

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