

## California Status Factors

**Elcode** PMORC0Q060  
**Gname** CYPRIPEDIUM FASCICULATUM  
**Gcomname** clustered lady's-slipper

### Number of Occurrences

D = 81 - 300

**Comments** The California occurrences for this species are not actively computer tracked. It is estimated that there are over 100 occurrences.

### Number of Occurrences with Good Viability

U = Unknown what number of occurrences with good viability

**Comments** Unknown

### Population Size

E = 2,500-10,000 individuals

F = 10,000-100,000 individuals

**Comments** It is estimated that there are at least 3000 individuals.

### Range Extent

F = 20,000-200,000 km<sup>2</sup> (about 8,000-80,000 square miles)

**Comments** Clustered lady's-slipper occurs in the northern portion of the state, except in the Great Basin area.

### Area of Occupancy

U = Unknown

LU = Unknown

**Comments** Unknown

### Long-term Trend in Population Size, Extent of Occurrence, Area of Occupancy, and/or Number or Condition of Occurrences

D = Moderate Decline (decline of 25-50%)

**Comments**

### Short-term Trend in Population Size, Extent of Occurrence, Area of Occupancy, and/or Number or Condition of Occurrences

D = Declining. Decline of 10-30% in population, range, area occupied, and/or number or condition of occurrences

**Comments**

## Threats

B = Moderate and imminent threat. Threat is moderate to severe and imminent for a significant proportion (20-60%) of the population, occurrences, or area. Ecological community occurrences are directly impacted over a moderate area, either causing irreversible damage or requiring a long-term recovery.

**Scope** Moderate      **Severity** Moderate      **Immediacy** Moderate

**Comments** This species is threatened by timbering, road construction, development, fire suppression, and collecting (Fertig 2000). Surface disturbances and canopy elimination may also negatively affect this species

## Number of Appropriately Protected and Managed Occurrences

D = Many (13-40) occurrences appropriately protected and managed

**Comments** Possibly 6 occurrences are in protected areas and maybe another 9 more are in riparian buffer zones, which limits logging. Populations in the riparian buffer zones will have some protection from timber harvest activities, but not from grazing, if that is a specific threat.

## Intrinsic Vulnerability

A = Highly Vulnerable. Species is slow to mature, reproduces infrequently, and/or has low fecundity such that populations are very slow (> 20 years or 5 generations) to recover from decreases in abundance; or species has low dispersal capability such that extirpated populations are unlikely to become reestablished through natural recolonization (unaided by humans). Ecological community occurrences are highly susceptible to changes in composition and structure that rarely if ever are reversed through natural processes even over substantial time periods (> 100 years).

**Comments**

## Environmental Specificity

C = Moderate. Generalist or community with some key requirements scarce.

**Comments** It has been hypothesized that a species of fungus associated with deer or elk feces is required for seed germination. *Cyripedium fasciculatum* occurs in habitats that burn with some regularity (at least historically). The taxon may be able to survive a low intensity underburn, but not high intensity fires in areas where fuel loading is unnaturally high as a result of decades of fire suppression (WANHP 2002).

## Other Considerations

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## Reasons

For California, the estimated occurrences is greater than 100; total plant numbers is estimated at over 3000. Possibly 15 occurrences are protected.

## BCD Sources

## New Sources

Interagency Species Management System. November 20002. ISMS data set. ISMS BLM and USFS, Portland, OR.

Oregon Natural Heritage Information Center. 2002. Oregon Natural Heritage Program data set. Oregon Natural Heritage Information Center, Portland, OR.

Washington Natural Heritage Program. 2002. WA Rare Plant Field Guide, *Cypripedium fasciculatum*.  
[http://www.wa.gov/dnr/htdocs/fr/nhp/refdesk/fguide/htm/fsp\\_cyfa.htm](http://www.wa.gov/dnr/htdocs/fr/nhp/refdesk/fguide/htm/fsp_cyfa.htm)

Wyoming Natural Heritage Program. 2002. State Species Abstract, 2000, *Cypripedium fasciculatum*.  
[http://uwadmnweb.uwyo.edu/WYNDD/PDF\\_files/Plant\\_Summaries/C/Cypripedium%20fasciculatum.pdf](http://uwadmnweb.uwyo.edu/WYNDD/PDF_files/Plant_Summaries/C/Cypripedium%20fasciculatum.pdf)