

## Report for *Calochortus pulchellus*

### TAXON DETAILS

#### Classification

|                      |                                      |
|----------------------|--------------------------------------|
| Scientific Name      | <i>Calochortus pulchellus</i> Benth. |
| Common Name          | Mt. Diablo fairy-lantern             |
| Family               | Liliaceae                            |
| Element Code         | PMLIL0D160                           |
| USDA Plants Symbol   | <u>CAPU2</u>                         |
| Synonyms/Other Names |                                      |

#### Conservation Status

|                            |                |
|----------------------------|----------------|
| California Rare Plant Rank | 1B.2           |
| Global Rank                | G2             |
| State Rank                 | S2             |
| CESA                       | None           |
| FESA                       | None           |
| Other Status               | SB_CalBG/RSABG |
| CRPR Changes               |                |
| Date Added                 | 1974-01-01     |
| Last Update                | 2022-12-06     |

#### Ecology and Life History

|                      |  |
|----------------------|--|
| Lifeform             | perennial bulbiferous herb   |
| Blooming Period      | Apr-Jun  |
| Elevation m (ft)     | 30-840 (100-2755)  |
| General Habitats     | Chaparral, Cismontane woodland, Riparian woodland, Valley and foothill grassland |
| Microhabitat Details |  |
| Microhabitat         |  |

### Threat List Data from the CNDDDB

|                                    |                  |                    |
|------------------------------------|------------------|--------------------|
| <b>Threat List Total:</b>          |                  | 14                 |
|                                    | <b>Total EOs</b> | <b>Percent EOs</b> |
| <b>EOs with Threats Listed</b>     | <b>21</b>        | <b>40%</b>         |
| <b>Threat List:</b>                |                  |                    |
| Road/trail construction/maint.     | 10               | 19%                |
| Foot traffic/trampling             | 6                | 11%                |
| Grazing                            | 6                | 11%                |
| Non-native plant impacts           | 4                | 7%                 |
| Erosion/runoff                     | 3                | 5%                 |
| Over-collecting/poaching           | 3                | 5%                 |
| Recreational use (non-ORV)         | 2                | 3%                 |
| Feral pigs                         | 2                | 3%                 |
| Other                              | 2                | 3%                 |
| Improper burning regime            | 1                | 1%                 |
| Insufficient population/stand size | 1                | 1%                 |
| Vandalism/dumping/litter           | 1                | 1%                 |
| Wood cutting or brush clearing     | 1                | 1%                 |
| Development                        | 1                | 1%                 |

### Element Occurrence Data from the CNDDDB

|                                   |    |
|-----------------------------------|----|
| <b>Total Element Occurrences:</b> | 52 |
| <b>Element Occurrence Ranks:</b>  |    |
| Excellent (A)                     | 2  |
| Good (B)                          | 17 |
| Fair (C)                          | 5  |
| Poor (D)                          | 2  |
| None (X)                          | 0  |
| Unknown (U)                       | 26 |
| <b>Occurrence Status</b>          |    |
| Historical, > 20 years            | 29 |
| Recent, < 20 years                | 23 |
| <b>Presence</b>                   |    |
| Presumed Extant                   | 52 |
| Possibly Extirpated               | 0  |
| Presumed Extirpated               | 0  |

### Location

|                                   |     |
|-----------------------------------|-----|
| <b>California Endemic</b>         | Yes |
| <b>Counties</b>                   |     |
| Alameda (ALA), Contra Costa (CCA) |     |
| <b>States</b>                     |     |
| California (CA)                   |     |

## **Quads**

Antioch South (3712187), Benicia (3812212), Briones Valley (3712282), Byron Hot Springs (3712176), Clayton (3712188), Diablo (3712178), Las Trampas Ridge (3712271), Tassajara (3712177), Walnut Creek (3712281)

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## **Notes**

Definitions of codes preceding a county and/or quad:

\* Presumed extirpated

(\*) Possibly extirpated

Species may be present in other areas where conditions are favorable. These data should NOT be substituted for pre-project review or for on-site surveys.

## **Notes**

Threatened by grazing, urbanization, horticultural collection, and feral pigs. Potentially threatened by road maintenance. See *Proceedings of the California Academy of Sciences* III 2:118 (1901) for taxonomic treatment, and *Journal of Ecology* 75:977-995 (1987) for population biology.

## **Threats**

## **Taxononmy**

## **Selected References**

## **Suggested Citation**

California Native Plant Society, Rare Plant Program. 2024. Rare Plant Inventory (online edition, v9.5). Website <https://www.rareplants.cnps.org> [accessed 29 April 2024].