

## Report for *Helianthella castanea*

### TAXON DETAILS



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### Classification

|                             |                                     |
|-----------------------------|-------------------------------------|
| <b>Scientific Name</b>      | <i>Helianthella castanea</i> Greene |
| <b>Common Name</b>          | Diablo helianthella                 |
| <b>Family</b>               | Asteraceae                          |
| <b>Element Code</b>         | PDAST4M020                          |
| <b>USDA Plants Symbol</b>   | <u>HECA2</u>                        |
| <b>Synonyms/Other Names</b> |                                     |

### Conservation Status

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

### Ecology and Life History

|                             |  |
|-----------------------------|--|
| <b>Lifeform</b>             | perennial herb   |
| <b>Blooming Period</b>      | Mar-Jun  |
| <b>Elevation m (ft)</b>     | 60-1300 (195-4265)   |
| <b>General Habitats</b>     | Broadleafed upland forest, Chaparral, Cismontane woodland, Coastal scrub, Riparian woodland, Valley and foothill grassland |
| <b>Microhabitat Details</b> | Azonal soil, often partial Shade   |
| <b>Microhabitat</b>         | Rocky (usually)  |

## Threat List Data from the CNDDDB

|                                    |                  |                    |
|------------------------------------|------------------|--------------------|
| <b>Threat List Total:</b>          |                  | 12                 |
|                                    | <b>Total EOs</b> | <b>Percent EOs</b> |
| <b>EOs with Threats Listed</b>     | <b>55</b>        | <b>51%</b>         |
| <b>Threat List:</b>                |                  |                    |
| Grazing                            | 25               | 23%                |
| Road/trail construction/maint.     | 18               | 16%                |
| Foot traffic/trampling             | 17               | 15%                |
| Development                        | 12               | 11%                |
| Recreational use (non-ORV)         | 10               | 9%                 |
| Other                              | 8                | 7%                 |
| Improper burning regime            | 8                | 7%                 |
| Erosion/runoff                     | 6                | 5%                 |
| Non-native plant impacts           | 6                | 5%                 |
| Insufficient population/stand size | 1                | 0%                 |
| Vandalism/dumping/litter           | 1                | 0%                 |
| Wood cutting or brush clearing     | 1                | 0%                 |

## Element Occurrence Data from the CNDDDB

|                                   |     |
|-----------------------------------|-----|
| <b>Total Element Occurrences:</b> | 107 |
| <b>Element Occurrence Ranks:</b>  |     |
| Excellent (A)                     | 11  |
| Good (B)                          | 35  |
| Fair (C)                          | 22  |
| Poor (D)                          | 2   |
| None (X)                          | 1   |
| Unknown (U)                       | 36  |
| <b>Occurrence Status</b>          |     |
| Historical, > 20 years            | 58  |
| Recent, < 20 years                | 49  |
| <b>Presence</b>                   |     |
| Presumed Extant                   | 106 |
| Possibly Extirpated               | 1   |
| Presumed Extirpated               | 0   |

## Location

|  |     |
|--|-----|
| <b>California Endemic</b>  | Yes |
| <b>Counties</b>  |     |
| Alameda (ALA), Contra Costa (CCA), Marin (MRN)*, San Francisco (SFO)*, San Mateo (SMT) |     |
| <b>States</b>  |     |
| California (CA)  |     |
| <b>Quads</b>   |     |

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Antioch South (3712187), Benicia (3812212), Briones Valley (3712282), Cedar Mtn. (3712155), Clayton (3712188), Diablo (3712178), Dublin (3712168), Hayward (3712261), Hunters Point (3712263), Las Trampas Ridge (3712271), Oakland East (3712272)\*, Richmond (3712283), San Francisco South (3712264), San Rafael (3712285)\*, 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**

## **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 25 April 2024].