

## Report for *Smithiastrum wilkinsianum*

### TAXON DETAILS



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### Classification

|                      |   |
|----------------------|---|
| Scientific Name      | <i>Smithiastrum wilkinsianum</i> (Greene) Morin |
| Common Name          | Wilkin's harebell                               |
| Family               | Campanulaceae                                   |
| Element Code         | PDCAM020Z0                                      |
| USDA Plants Symbol   | CAWI8   |
| Synonyms/Other Names | <u><i>Campanula wilkinsiana</i></u>             |

### Conservation Status

|                            |                        |
|----------------------------|------------------------|
| California Rare Plant Rank | 1B.2                   |
| Global Rank                | G2                     |
| State Rank                 | S2                     |
| CESA                       | None                   |
| FESA                       | None                   |
| Other Status               | SB_CalBG/RSABG; USFS_S |
| CRPR Changes               |                        |
| Date Added                 | 1974-01-01             |
| Last Update                | 2023-01-13             |

### Ecology and Life History

|                      |   |
|----------------------|---|
| Lifeform             | perennial rhizomatous herb  |
| Blooming Period      | Jul-Sep   |
| Elevation m (ft)     | 1270-2600 (4165-8530)   |
| General Habitats     | Meadows and seeps, Subalpine coniferous forest, Upper montane coniferous forest |
| Microhabitat Details |   |
| Microhabitat         |   |

## Threat List Data from the CNDDDB

|                                       |                  |                    |
|---------------------------------------|------------------|--------------------|
| <b>Threat List Total:</b>             |                  | 10                 |
|                                       | <b>Total EOs</b> | <b>Percent EOs</b> |
| <b>EOs with Threats Listed</b>        | <b>12</b>        | <b>50%</b>         |
| <b>Threat List:</b>                   |                  |                    |
| Foot traffic/trampling                | 6                | 25%                |
| Recreational use (non-ORV)            | 6                | 25%                |
| Logging                               | 5                | 20%                |
| Surface water diversion               | 4                | 16%                |
| Road/trail construction/maint.        | 3                | 12%                |
| Altered flood/tidal/hydrologic regime | 2                | 8%                 |
| Development                           | 1                | 4%                 |
| Erosion/runoff                        | 1                | 4%                 |
| Grazing                               | 1                | 4%                 |
| Non-native plant impacts              | 1                | 4%                 |

## Element Occurrence Data from the CNDDDB

|                                   |    |
|-----------------------------------|----|
| <b>Total Element Occurrences:</b> | 24 |
| <b>Element Occurrence Ranks:</b>  |    |
| Excellent (A)                     | 1  |
| Good (B)                          | 7  |
| Fair (C)                          | 4  |
| Poor (D)                          | 0  |
| None (X)                          | 0  |
| Unknown (U)                       | 12 |
| <b>Occurrence Status</b>          |    |
| Historical, > 20 years            | 10 |
| Recent, < 20 years                | 14 |
| <b>Presence</b>                   |    |
| Presumed Extant                   | 24 |
| Possibly Extirpated               | 0  |
| Presumed Extirpated               | 0  |

## Location

|  |     |
|--|-----|
| <b>California Endemic</b>  | Yes |
| <b>Counties</b>  |     |
| Siskiyou (SIS), Trinity (TRI)  |     |
| <b>States</b>  |     |
| California (CA)  |     |
| <b>Quads</b>   |     |
| Ash Creek Butte (4112241), Boulder Peak (4112351), Caribou Lake (4112218), Covington Mill (4012287), Elk Spring (4112231), McCloud (4112232), Mt. Hilton (4012381), Mt. Shasta (4112242), Siligo Peak (4012288), Thompson Peak (4112311) |     |

## **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, recreational activities, and trail construction.

## **Threats**

## **Taxononmy**

## **Selected References**

**CNPS Name Change:** Non-Substantive Name Changes: Multiple taxa in Campanulaceae (2022-12-19)

**Revised Nomenclature:** *Phytoneuron* 2020-49: 1–46 (2020)

**Other:** USFS Potential Species of Conservation Concern Profile

## **Suggested Citation**

California Native Plant Society, Rare Plant Program. 2024. Rare Plant Inventory (online edition, v9.5). Website <https://www.rareplants.cnps.org> [accessed 30 April 2024].