Report for *Isoetes minima*

**TAXON DETAILS**

**Classification**

- **Scientific Name**: *Isoetes minima* A. A. Eaton
- **Common Name**: Columbia quillwort
- **Family**: Isoetaceae
- **Element Code**: PPISO01081
- **USDA Plants Symbol**: ISMI4
- **Synonyms/Other Names**: None

**Conservation Status**

- **California Rare Plant Rank**: 1B.1
- **Global Rank**: G1G2
- **State Rank**: S1
- **CESA**: None
- **FESA**: None
- **Other Status**: None
- **CRPR Changes**: added to 1B.1 on 2023-03-29
- **Date Added**: 2023-03-29
- **Last Update**: 2024-03-06

**Ecology and Life History**

- **Lifeform**: perennial cormiferous herb
- **Blooming Period**: Jun
- **Elevation m (ft)**: 2190-2190 (7185-7185)
- **General Habitats**: Meadows and seeps
- **Microhabitat Details**: None
- **Microhabitat**: Vernally Mesic
Threat List Data from the CNDDB

<table>
<thead>
<tr>
<th>Threat List Total:</th>
<th>0</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total EOs</td>
<td></td>
</tr>
<tr>
<td>Percent EOs</td>
<td></td>
</tr>
</tbody>
</table>
| EOs with Threats Listed | 0 %

Element Occurrence Data from the CNDDB

<table>
<thead>
<tr>
<th>Total Element Occurrences:</th>
<th>1</th>
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<tbody>
<tr>
<td>Element Occurrence Ranks:</td>
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<tr>
<td>Excellent (A)</td>
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</tr>
<tr>
<td>Good (B)</td>
<td>0</td>
</tr>
<tr>
<td>Fair (C)</td>
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</tr>
<tr>
<td>Poor (D)</td>
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</tr>
<tr>
<td>None (X)</td>
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</tr>
<tr>
<td>Unknown (U)</td>
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<table>
<thead>
<tr>
<th>Occurrence Status</th>
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<tbody>
<tr>
<td>Historical, &gt; 20 years</td>
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<tr>
<td>Recent, &lt; 20 years</td>
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</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Presence</th>
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<tbody>
<tr>
<td>Presumed Extant</td>
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</tr>
<tr>
<td>Possibly Extirpated</td>
<td>0</td>
</tr>
<tr>
<td>Presumed Extirpated</td>
<td>0</td>
</tr>
</tbody>
</table>

Location

California Endemic
No

Counties
Modoc (MOD)

States
California (CA), Idaho (ID), Oregon (OR), Washington (WA)

Quads
Mt. Bidwell (4112082)

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.

Field work needed (population size and extent, site quality and threats, vegetation and ______

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Page 2
Threats

Possibly threatened by grazing and trampling.

Taxononmy

Possibly threatened by grazing and trampling.

Selected References

**CNPS Status Review:** Proposed Addition to California Rare Plant Rank 1B.1, G1G2 / S1 (2023)
**Taxonomic Treatment:** *Canadian Field-Naturalist* 135: 293–304 (2021)
**Other:** For first CA record see *Madroño* 67: 63–64 (2020)

Suggested Citation