

## Report for *Nemacladus twisselmannii* var. *botanywomanae*

### TAXON DETAILS



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### Classification

**Scientific Name**

*Nemacladus twisselmannii* J. T. Howell var.  
*botanywomanae* Morin & T. J. Ayers

**Common Name**

Botany Woman's threadplant

**Family**

Campanulaceae

**Element Code**

PDCAM0F0D1

**USDA Plants Symbol**

**Synonyms/Other Names**

### Conservation Status

**California Rare Plant Rank**

1B.1

**Global Rank**

G1T1

**State Rank**

S1

**CESA**

None

**FESA**

None

**Other Status**

**CRPR Changes**

added to 1B.1 on 2023-04-26

**Date Added**

2023-03-22

**Last Update**

2024-03-06

### Ecology and Life History

**Lifeform**

annual herb

**Blooming Period**

Apr(May)

**Elevation m (ft)**

1170-1215 (3840-3985)

**General Habitats**

Chaparral

**Microhabitat Details**

Sparsely distributed on sandy flats in or immediately adjacent to gently sloping washes in deep, quartz-rich sand in the desert transition zone.

**Microhabitat**

Sandy

### Threat List Data from the CNDDDB

<b>Threat List Total:</b>		2
	<b>Total EOs</b>	<b>Percent EOs</b>
<b>EOs with Threats Listed</b>	<b>2</b>	<b>100%</b>
<b>Threat List:</b>		
Non-native plant impacts	2	100%
Erosion/runoff	1	50%

### Element Occurrence Data from the CNDDDB

<b>Total Element Occurrences:</b>	2
<b>Element Occurrence Ranks:</b>	
Excellent (A)	0
Good (B)	0
Fair (C)	0
Poor (D)	0
None (X)	1
Unknown (U)	1
<b>Occurrence Status</b>	
Historical, > 20 years	0
Recent, < 20 years	2
<b>Presence</b>	
Presumed Extant	1
Possibly Extirpated	1
Presumed Extirpated	0

### Location

<b>California Endemic</b>	No
<b>Counties</b>	
San Diego (SDG)	
<b>States</b>	
California (CA)	
<b>Quads</b>	
Tubb Canyon (3311624)	

#### **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**

Threatened by non-native plants, fire suppression activities (foot traffic), and erosion

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Threatened by non-native plants, fire suppression activities (foot traffic), and erosion

### **Selected References**

**CNPS Status Review:** Proposed addition to CRPR 1B.1, G1 / S1 (2023)

**Original Description:** *Madroño* 67(1): 35–60 (2020)

### **Suggested Citation**

California Native Plant Society, Rare Plant Program. 2024. Rare Plant Inventory (online edition, v9.5). Website <https://www.rareplants.cnps.org> [accessed 20 May 2024].