

ATTACHMENT 8:

California Native Plant Society (CNPS). 2019. *Inventory of Rare and Endangered Plants - Plant Detail for robust spineflower*. Available at: <http://www.rareplants.cnps.org/detail/475.html>. Accessed on: 2/12/19.

Chorizanthe robusta var. *robusta*

Common Name: robust spineflower
Family: Polygonaceae
Synonyms:
Element Code: PDPGN040Q2
Full Name: *Chorizanthe robusta* Parry var. *robusta*
USDA PLANTS Symbol: CHROR



2014 Doreen L. Smith

Biology

Lifeform: annual herb
Blooming Period: Apr-Sep
Habitat: sandy or gravelly.
 • Chaparral (maritime)
 • Cismontane woodland (openings)
 • Coastal dunes
 • Coastal scrub

Rarity Status

California Rare Plant Rank: 1B.1
 Rare or endangered in California and elsewhere
 .1: Seriously endangered in California
Federal Listing Status: FE
 Endangered (02/04/94)
State Listing Status:
 Not Listed
State Rank: S1
 S1: Critically Imperiled.
Global Rank: G2T1
 T1: Critically Imperiled. G2: (species) Imperiled.

**Occurrence Data from CDFW
 California Natural Diversity Database**

Total # of Known Element Occurrences: 20

Element Occurrence Ranks:

A	B	C	D	X	U
2	5	2	0	5	6

Population Status:

Historic >20 yrs	Recent <=20 yrs
7	13

Presence:

Present Extant	Possibly Extirpated	Presumed Extirpated
15	5	0

Notes

Most populations extirpated, and now known from only six extended occurrences. Threatened by development, recreation, mining, and non-native plants. See *C. robusta* in *The Jepson Manual*. See *Phytologia* 66(2):130-131 (1989) for taxonomic treatment, and *Fremontia* 24(4):8-11 (1996) for taxonomic discussion.

To submit rare plant observation data, use the [CNDDDB field survey form](#). Please see also the CNPS [Rare Plant Data](#) page.

Date Added: 1980-01-01

Last Update: 2010-03-15

Location

Elevation: 3 - 300 meters

California Endemic: yes

Other States:

California Counties and Islands: *name (code)*

Alameda (ALA) *, Monterey (MNT), Marin (MRN) ?, Santa Clara (SCL) *, Santa Cruz (SCR), San Francisco (SFO), San Mateo (SMT) *

Quads: *name (DWR code) USGS code*

Espinosa Canyon (318D)* 3612111, Soledad (342A)* 3612143, Marina (366A) 3612167, Seaside (366D)* 3612157, Watsonville East (386B)(*?) 3612186, Watsonville West (387A) 3612187, Soquel (387B) 3612188, Moss Landing (387D) 3612177, Santa Cruz (387E) 3612281, Los Gatos (407B)* 3712128, Laurel (407C)* 3712118, Felton (408D) 3712211, San Jose West (427C)* 3712138, San Francisco South (448B)* 3712264, Oakland East (465C)* 3712272, Tomales (485B) 3812228, Drakes Bay (485C) 3812218

Notes:

Definitions of codes preceding a county and/or quad:

- * *Presumed extirpated*
- ? *Uncertain about distribution or identity*
- ?* *Uncertain about distribution, but presumed extirpated if once present*
- (?) *Occurrence confirmed, but possibly extirpated*

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



Presumed Extant

Presumed Extirpated or Unknown

475

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Counties

Quads

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