

Report for *Pentachaeta lyonii*

TAXON DETAILS

Classification

Scientific Name	<i>Pentachaeta lyonii</i> Gray
Common Name	Lyon's pentachaeta
Family	Asteraceae
Element Code	PDAST6X060
USDA Plants Symbol	<u>PELY4</u>
Synonyms/Other Names	

Conservation Status

California Rare Plant Rank	1B.1
Global Rank	G1
State Rank	S1
CESA	CE (01/01/90)
FESA	01/29/97 (01/29/97)
Other Status	SB_CalBG/RSABG
CRPR Changes	
Date Added	1974-01-01
Last Update	2022-06-08

Ecology and Life History

Lifeform	annual herb
Blooming Period	(Feb)Mar-Aug
Elevation m (ft)	30-690 (100-2265)
General Habitats	Chaparral (openings), Coastal scrub, Valley and foothill grassland
Microhabitat Details	
Microhabitat	Clay, Rocky

Threat List Data from the CNDDDB

Threat List Total:		14
	Total EOs	Percent EOs
EOs with Threats Listed	38	84%
Threat List:		
Development	25	55%
Non-native plant impacts	22	48%
Recreational use (non-ORV)	14	31%
Foot traffic/trampling	13	28%
Road/trail construction/maint.	10	22%
Other	10	22%
ORV activity	8	17%
Grazing	5	11%
Vandalism/dumping/litter	5	11%
Wood cutting or brush clearing	5	11%
Disking	4	8%
Non-native animal impacts	4	8%
Agriculture	1	2%
Improper burning regime	1	2%

Element Occurrence Data from the CNDDDB

Total Element Occurrences:	45
Element Occurrence Ranks:	
Excellent (A)	3
Good (B)	19
Fair (C)	10
Poor (D)	3
None (X)	6
Unknown (U)	4
Occurrence Status	
Historical, > 20 years	26
Recent, < 20 years	19
Presence	
Presumed Extant	39
Possibly Extirpated	5
Presumed Extirpated	1

Location

California Endemic	Yes
Counties	
Los Angeles (LAX), Ventura (VEN)	
States	
California (CA)	

Quads

Long Beach (3311872)*, Malibu Beach (3411816), Newbury Park (3411828), Point Dume (3411817), San Pedro (3311863)*, Santa Catalina North (3311844)?*, Simi (3411837), Thousand Oaks (3411827), Torrance (3311873)

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 development, alteration of fire regimes, trampling, vehicles, and recreational activities. Seriously threatened by non-native plants; annual non-native grasses are an indirect factor contributing to extirpation. No successful translocation attempts as of 1994. See *Synoptical Flora of North America* 1(2):446 (1884) for original description, *University of California Publications in Botany* 65:1-41 (1973) for taxonomic treatment, and *Madroño* 58(2):69-77 (2011) for information on the impacts of non-native plants and management implications.

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 3 May 2024].