

Rare Plant Status Review: *Cryptantha hooveri*
Misa Ward (CNPS) and Roxanne Bittman (CNDDDB),
August 23, 2005

Background

Cryptantha hooveri is a list 1B species from the north and central San Joaquin valley. It is only known from three occurrences in the CNDDDB, which are summarized below. One occurrence is considered possibly extirpated because it has not been reported since 1908, and the area has been developed. The other two are known only from old collections dating back to 1937 and 1939. Based on this, the CNDDDB has recently changed its global and state rankings to historical. Dean Taylor recommended that this species be moved to List 1A based on his assessment of the known occurrences. He noted a 1983 report from the Antioch Dunes that was cited on the East Bay CNPS web page, but considered the report doubtful because there was no voucher specimen. This is presumably occurrence #3 below. He also pointed out a disjunct record, which turned out to be an unvouchered misidentification. In addition, there is a specimen from Kern County in UC/JEPS from 2000, which was collected by Dave Silverman. However, Dave confirmed that this was also a misidentification of *C. nevadensis* var. *rigida*. In summary, there have not been any recent, confirmed reports of this species. Potential habitat is probably limited considering range is within areas that are under development and agriculture pressure. We would like to get your input on whether it seems appropriate to consider this species presumed extinct (List 1A) at this time.

Known occurrences in CNDDDB. A PDF of the full CNDDDB report is attached.

- 1) 8.0 MILES W OF CHOWCHILLA – This location was last reported by Hoover in 1939
- 2) GOBIN RANCH, ABOUT 13.0 MILES E OF WATERFORD – This location was last reported by Hoover in 1937
- 3) ANTIOCH – This location was last reported in 1908 by Kennedy and is considered possibly extirpated due to development in the area.

Recommended Actions

CNPS: Re-rank to from List 1B/ RED 2-2-3 to List 1A / RED *

Please review the draft CNPS Inventory record below, respond with comments on this proposed list change, and provide any edits/comments.

Draft CNPS Inventory Record

Cryptantha hooveri I.M. Johnst.

Boraginaceae

"Hoover's cryptantha"

List 1A / RED *

CCA*, MAD*, STA*

401C*, 401D*, 441A*, 464A*, 481D*

Valley and foothill grassland / sandy ; elevation 9-150 meters.

Annual herb, blooms April-May.

See *Journal of the Arnold Arboretum* 18:23 (1937) for original description.

Sent to CW, GV

Quad codes: BLISS RANCH (3712014/401C), CHOWCHILLA (3712013/401D),
COOPERSTOWN (3712065/441A), ANTIOCH SOUTH (3712187/464A), ANTIOCH NORTH
(3812117/481D),