

**Added to CNPS List 4** on 1/3/07; see Rare Plant Review Forum printout for more information.

**Rare Plant Status Review: *Trichostema ruygtii***  
 Kristi Lazar (CNPS) and Roxanne Bittman (CNDDDB)  
 November 17, 2006

### Background

*Trichostema ruygtii* is an annual herb in the Lamiaceae. This species is known from approximately 20 occurrences in Napa and Lake Counties. Only one of these 20 occurrences is known from Lake County and this occurrence has not been seen since 1931. Recent searches for this species in Lake County have turned up *Trichostema lanceolatum* but not *T. ruygtii*. For this reason, *T. ruygtii* is presumed to be extirpated from Lake County. While *T. ruygtii* and *T. lanceolatum* are closely related, they can be distinguished from each other based on flower size, stamen length and anther size, as well as in the position of the stigma. *T. ruygtii* is not listed in any present floras (including *The Jepson Manual* 1993) as it has only recently been described (*Madrono* 53(3): 282-287 (2006)). However, the author of the *Madrono* article, Harlan Lewis is also the author of the *Trichostema* treatment for the new edition of *The Jepson Manual* and will therefore likely be included in the new edition. In this *Madrono* article, Harlan Lewis suggests that *T. ruygtii* may occur in adjacent counties with two promising areas being the Wild Horse Valley to Twin Sisters area in Solano County as well as the Kelseyville area of Lake County (where the species once occurred).

*T. ruygtii* tends to occur in open sunny areas in oak woodlands, grasslands, chaparral and yellow pine-Douglas fir forests. It has also been found in northern volcanic vernal pools. *T. ruygtii* is endemic to California and known from 19 extant occurrences, all in Napa County. Due to its limited distribution, *T. ruygtii* requires review for inclusion in both the CNPS Inventory and the CNDDDB.

### Recommended Actions

CNPS: Add to CNPS List 1B.2

CNDDDB: Add to CNDDDB as G3 / S3.2

Please review the draft CNPS Inventory record below, respond Yes or No on the proposal to add this species to the Inventory and CNDDDB, and provide any edits/comments. If responding No, please provide supporting information.

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### Draft CNPS Inventory Record

*Trichostema ruygtii* H. Lewis

Lamiaceae

"Napa bluecurls"

List 1B.2

Lake\*, Napa

499B [Capell Valley/3812242], 499C [Mt. George/3812232], 500A [Yountville/3812243], 500D [Napa/3812233], 516C [St. Helena/3812254], 534A [Kelseyville/3812287]

cismontane woodland, chaparral, valley and foothill grassland, vernal pools, lower montane coniferous forest; elevation 30-60 meters.

Annual herb, blooms June-October.

Known only from Napa County. See *Madrono* 53(3):282-287 (2006) for original description.