

**Rare Plant Status Review:**

***Lupinus dalesiae***

Kristi Lazar (CNPS) and Roxanne Bittman (CNDDDB)  
January 12, 2007

*Lupinus dalesiae* is a perennial herb in the Fabaceae that is endemic to California. This species occurs in chaparral, cismontane woodland, lower montane coniferous forests, and upper montane coniferous forests from 855 meters to 2500 meters in elevation. This species has been on CNPS List 1B for over 20 years due to its restricted range. *L. dalesiae* is only known from Plumas, Sierra, and Yuba Counties, with nearly all occurrences in Plumas County.

This species currently has approximately 160 element occurrences in CNDDDB with more than 65 forms in the backlog (although most of these backlog forms are updates and do not represent new occurrences). However, the number of element occurrences is actually an underestimate because CNDDDB usually considers an occurrence separate from another occurrence when they are more than 0.25 miles apart (0.25 mile rule). However, CNDDDB has been using a 0.4 mile rule for this particular species yielding 162 element occurrences. If this species was mapped using the typical 0.25 mile rule then there would be ~230 element occurrences. Many of the 162 element occurrences (~80) are considered "good" to "excellent" with very few of the occurrences ranked as "poor" (~5). While only known from 3 counties, this species is known from 23 7.5' quads. It has also been mentioned that this species may be fairly common on private lands adjacent to National Forest areas.

Ecologically, *L. dalesiae* is believed to be a successional species that really thrives when its habitat opens up. Logging can open up its habitat and can cause the species to temporarily thrive; however, logged areas cannot be viewed as a substitute for its natural habitat. Logging can also have indirect or future effects on the species habitat which may be detrimental to the species in the long run. Because threats do still exist to this species and because it is unknown how the species will respond to future forest management practices, we recommend keeping this species on a CNPS List despite its high number of element occurrences. CNPS and CNDDDB recommend that this species be moved from List 1B to List 4.

**Recommended Actions**

**CNPS:** Re-rank from CNPS List 1B.2 to CNPS List 4.2.

**CNDDDB:** No Change to G or S status (remain G3 S3.2)

---

**Revised CNPS *Inventory* record:**

***Lupinus dalesiae*** Eastw.

"Quincy lupine"

Fabaceae

**List 4.2**

Plumas, Sierra, Yuba

559A, 572B, 573A, 573B, 574A, 574B, 588B, 588C, 589A, 589C, 589D, 590A, 590B, 590D, 603D, 605B, 605C, 606A, 606B, 606C, 606D, 607A

Element Code: PDFAB2B1A0

Re-ranked from CNPS List 1B.2 to List 4.2 on 2/15/07

Chaparral, cismontane woodland, lower montane coniferous forest, upper montane coniferous forest / openings, often in disturbed areas; elevation 855-2500 meters.

Perennial herb, blooms May-August.

Possibly threatened by logging and roadside maintenance. See *Leaflets of Western Botany* 2: 266 (1940) for original description.