Rare Plant Status Review: Lysimachia thyrsiflora
Nicholas Jensen (CNPS) and Roxanne Bittman (CNDDB)
December 4, 2008
New Addition to List 2.3

Background
Lysimachia thyrsiflora is a perennial herb in the Myrsinaceae (previously included in the Primulaceae). L. thyrsiflora is included in The Jepson Manual (1993) and The Jepson Manual (2nd Edition, Myrsinaceae treatment available online at http://ucjeps.berkeley.edu/tjm2/review/treatments/myrsinaceae.html). L. thyrsiflora is distinguished from L. nummularia (the only other Lysimachia species documented in California) based on growth habit, petiole length, and floral characteristics. In California, L. thyrsiflora flowers between May and August.

L. thyrsiflora is known from lake margins, along streams, and in wet meadows within upper montane coniferous forest and marsh or swamp habitats from 975-1675 meters in elevation. A Flora of Lassen Volcanic National Park, California (Gillette, et. al. 1995) states that at Willow Lake L. thyrsiflora “grows in 1 to 2 feet of water on the swampy margin of the lake...and among grasses, sedges, and rushes at the outlet of the lake.”

In California, L. thyrsiflora is known from only 4 occurrences in Plumas and Shasta Counties. The Jepson Manual (2nd edition) indicates that L. thyrsiflora also occurs in Calaveras County in the central Sierra Nevada Foothills. No specimen or literature documentation, however, was available to substantiate L. thyrsiflora’s occurrence in that county. L. thyrsiflora is widely distributed across northern North America, Europe, and Asia, and is ranked as a G5 taxon by NatureServe.

In California, suitable habitat within and beyond the known range of L. thyrsiflora should be searched for additional occurrences.

No information is available about threats to any of the occurrences of L. thyrsiflora. Land in the vicinity of the California occurrences of L. thyrsiflora is managed by the U.S. Forest Service and the National Park Service.

Based on the available information, CNPS and CNDDB recommend that L. thyrsiflora be added to CNPS List 2.3

Recommended Actions
CNPS: Add to CNPS List 2.3
CNDDB: Add to CNDDB as G5 / S1

Sent to NW, SN, A. Cholewa on 12/4/08
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.

Draft CNPS Inventory Record

*Lysimachia thyrsiflora* L.
tufted loosestrife
Myrsinaceae
List 2.3
Plumas, Shasta, Calaveras?; Colorado, Montana, Oregon, Utah, Washington, Wyoming
Fall River Mills (678C) 4112114, Burney (662B) 4012186, Mt. Harkness (625A) 4012143
Meadows (mesic), marsh or swamp, upper montane coniferous forest; elevation 975-1675 meters.
Perennial herb. Blooms May-August.
Known in California from fewer than 5 occurrences.