

Rare Plant Status Review: *Eriogonum luteolum* var. *saltuarium*

Nicholas Jensen (CNPS) and Roxanne Bittman (CNDDDB)

June 6, 2008

Changes made since the original status review appear in blue.

Background

Eriogonum luteolum var. *saltuarium* is an annual, herbaceous species in the Polygonaceae. *E. luteolum* var. *saltuarium* was originally described by James Reveal in *Phytologia* 66(3): 264-265 (1989). Although not included in the current *Jepson Manual* (1993), the species will be included in the upcoming second edition. *E. luteolum* var. *saltuarium* is most closely related to *E. luteolum* var. *pedunculatum*, which occurs at lower elevations in the Sierra Nevada foothills. *E. luteolum* var. *saltuarium* is distinguished from other varieties of *E. luteolum* by its erect growth habit and the comparatively large size of its flowers and involucres. *E. luteolum* var. *saltuarium* flowers between July and September.

E. luteolum var. *saltuarium* occurs in sandy, granitic flats within upper montane coniferous forest and Great Basin scrub habitats from 1700 to 2400 meters in elevation. It is the only variety of *E. luteolum* that does not occur on serpentine soils.

E. luteolum var. *saltuarium* is known from two locations in the Sierra Nevada, near Dardanelle in Tuolumne County and near Luther Pass in Alpine County. Plants have been collected at four, nearby locations near Dardanelle. It is unclear whether plants at this location represent one large occurrence or four distinct occurrences. In the *Flora of North America* (Vol. 5), James Reveal states that, "only a few hundred individuals have been observed in the field."

E. luteolum var. *saltuarium* is threatened by recreational activities. Granitic flats and slopes within (and beyond) the known range of *E. luteolum* var. *saltuarium* should be searched for additional occurrences of this taxon.

Based on the information currently available, CNPS and CNDDDB recommend that *E. luteolum* var. *saltuarium* be added to CNPS List 1B with a 3.2 threat ranking.

Recommended Actions

CNPS: Add to CNPS List 1B.3.2

CNDDDB: Add to CNDDDB as G5T1 / S1.3.2

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.

Draft CNPS Inventory Record

Eriogonum luteolum var. *saltuarium* Reveal

Jack's wild buckwheat

Polygonaceae

Sent to SN, J. Reveal on 6/6/08

List 1B.3 .2

Alpine, Tuolumne

Dardanelle (490D) 3811937, Freel Peak (322C) 3811978

Upper montane coniferous forest, Great basin scrub / sandy, granitic

Annual herb, blooms July-September

Known from fewer than ten occurrences. [Threatened by recreational activities](#). Not in *The Jepson Manual* (1993). See *Phytologia* 66(3): 264-265 (1989) for original description.