

Habitat and Distribution of *Cornus canadensis* on Snow Camp Mountain

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ABSTRACT

Cornus canadensis is a listed plant with a California Rare Plant Rank of 2B.2. When *Cornus canadensis* was given this rarity status in 2012, Green Diamond Resource Company botanists searched their database for incidental detections of the species. An observation of *Cornus canadensis* was recorded for a project in the Snow Camp Lake area and it was subsequently relocated. Using the location of this population as a model for what could be considered suitable habitat, other areas within the Snow Camp Mountain area were identified and selected for surveys focused on the detection of *Cornus canadensis*. In mid-June of 2013, survey efforts in these areas led to 9 new detections. Floristic surveys of timber harvest plans since that time have resulted in a total of 14 *Cornus canadensis* detections in the Snow Camp Mountain area. The habitats in which these populations are located tend to be the headwaters of small streams, creeks, wet meadows and seeps surrounded by *Pseudotsuga menziesii* var. *menziesii*, *Abies concolor* and *Notholithocarpus densiflorus* var. *densiflorus* dominated forest at approximately 4000 ft. elevation. *Cornus canadensis* is often found trailing over woody debris in late stages of decay and through dense vegetation. Populations range in number from 5 plants to as many as 10,000. *Cornus canadensis* has also been found co-occurring with rare taxa *Erythronium revolutum* and *Bensoniella oregona*.



Common Associated Species of *Cornus canadensis*

Scientific Name	Frequency of Association
<i>Pseudotsuga menziesii</i> var. <i>menziesii</i>	93%
<i>Gaultheria shallon</i>	86%
<i>Vaccinium parvifolium</i>	79%
<i>Blechnum spicant</i>	71%
<i>Berberis nervosa</i>	60%
<i>Vancouveria hexandra</i>	50%
<i>Senecio triangularis</i>	50%

Distribution of *Cornus canadensis* in California

