

**Added to CNPS Inventory on March 8, 2011**

**Rare Plant Status Review: *Dudleya virens* ssp. *hassei***

**Proposed New Add to Rank 1B.2, G2 / S2**

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January 31, 2011

Changes made to original document appear in blue.

**Background**

*Dudleya virens* ssp. *hassei* is a perennial herb in the Crassulaceae known only from Santa Catalina Island of California. It is included in *The Flora of North America* (Vol. 8), and will be included in *The Jepson Manual*, 2<sup>nd</sup> Edition (online: [http://ucjeps.berkeley.edu/tjm2/review/treatments/crassulaceae\\_all.html#80496](http://ucjeps.berkeley.edu/tjm2/review/treatments/crassulaceae_all.html#80496)). *Dudleya virens* ssp. *hassei* was treated as *Dudleya hassei* in *The Jepson Manual* (1993), and as *Stylophyllum hassei* in Munz (1959). It is known to flourish in cultivation at the Rancho Santa Ana Botanic Garden, where it has been characterized as almost weedy in its aggressiveness. *Dudleya virens* ssp. *hassei* was Considered But Rejected for both the 5<sup>th</sup> Edition (1994) and 6<sup>th</sup> Edition (2001) of the CNPS *Inventory* as it was found to be too common for inclusion at that time. *Dudleya virens* ssp. *hassei* flowers from May to June.

*Dudleya virens* ssp. *hassei* occurs mostly near the channel shore along rocky slopes within coastal sea bluff scrub habitat. It grows at an approximate elevation of sea level to 400 meters.

*Dudleya virens* ssp. *hassei* is known only from approximately 10 occurrences on Santa Catalina Island. The majority of occurrences are near Two Harbors and Avalon Bay along the northern, channel side of the island, with three historical occurrences along the southern side of the island (Occ. # 8, 9, and 10 in attached spreadsheet).

In his treatment of the subspecies of *D. virens*, Reid Moran (1995) notes that *D. virens* ssp. *insularis* (currently rank 1B.2) is more widespread than *D. virens* ssp. *hassei*. Sarah Ratay (pers. comm. 2010) also notes that on Catalina Island, *D. virens* ssp. *hassei* is much less widespread than *D. virens* ssp. *insularis*, and while the former is endemic to the island, the latter also occurs on the mainland and San Nicolas Island. Based on this information, it is apparent that *D. virens* ssp. *hassei* is perhaps more rare than the documented rare *D. virens* ssp. *insularis*.

*Dudleya virens* ssp. *hassei* is threatened by development and habitat fragmentation.

Based on the available information, CNPS and CNDDDB recommend that *Dudleya virens* ssp. *hassei* be added to CNPS rank 1B.2.

Sent to SW, S. McCabe, S. Ratay, V. Scheidt, J. Yost on 01/31/2011

**Recommended Actions**

CNPS: Add to CNPS rank 1B.2

CNDDDB: Add to CNDDDB G2 / S2

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**

*Dudleya virens* (Rose) Moran ssp. *hassei* (Rose) Moran

Catalina Island dudleya

Crassulaceae

Rank 1B.2

Santa Catalina Island, Los Angeles

Santa Catalina West (SCTW) 3311845, Santa Catalina North (SCTN) 3311844,

Santa Catalina South (SCTS) 3311834

Coastal bluff scrub/rocky; elevation 0-400 meters.

Perennial herb. Blooms May-June.

Known only from fewer than 15 extant occurrences on SCT. Threatened by development and habitat fragmentation. [Possibly threatened by feral herbivores.](#) Suspected to hybridize with *D. virens* ssp. *insularis*. See *D. hassei* in *The Jepson Manual* (1993). See *Bulletin of the New York Botanical Garden* 3(9):35 (1903) for original description, and *Haseltonia* 3:2 (1995) for revised nomenclature.