

No Photo Available

## Plants

### no common name

*Phyllostegia hispida*

#### SPECIES STATUS:

Federally Listed as a Candidate Species

Genetic Safety Net Species

Hawai'i Natural Heritage Ranking- Critically Imperiled (G1)

Endemism – Moloka'i

**SPECIES INFORMATION:** A diffuse perennial vine with many-branched stems, often forming large tangled masses. Inflorescences unbranched, leafy, ca. 5-20 cm long. Corollas white. Genus nearly endemic to Hawaiian islands, with one species in Tahiti, species endemic to Moloka'i.

**DISTRIBUTION:** One plant in Kamakou preserve and one in Pu'u Ali'i Natural Area Reserve.

**ABUNDANCE:** Only two plants are known to be extant

**LOCATION AND CONDITION OF KEY HABITAT:** Wet forests, endemic to the eastern portion of the island of Moloka'i.

#### THREATS:

- Pigs, goats, deer;
- Alien plants.

**CONSERVATION ACTIONS:** The goals of conservation actions are not only to protect current populations, but also to establish new populations to reduce the risk of extinction. In addition to common statewide and island conservation actions, specific actions include:

- Survey historical range for surviving populations;
- Establish secure *ex-situ* stocks with complete representation of remaining individuals;
- Augment wild population and establish new populations in safe harbors.

#### MONITORING:

- Continue surveys of population and distribution in known and likely habitats;
- Monitor plants for insect damage and plant diseases.

**RESEARCH PRIORITIES:**

- Develop proper horticultural protocols and pest management;
- Survey *ex-situ* holdings and conduct molecular fingerprinting;
- Conduct pollination biology and seed dispersal studies;
- Map genetic diversity in the surviving populations to guide future re-introduction and augmentation efforts.

**References:**

Hawai'i Natural Heritage Program. 2005. Hawaii Natural Heritage Program Search, <http://www.hinhp.org>.

International Union for Conservation of Nature and Natural Resources, 2004, IUCN Red List of Threatened Species: Data Base Search, <http://www.redlist.org/search/search-basic.html>.

Wagner, W. L., D. R. Herbst, and D. H. Lorence. 2005. Flora of the Hawaiian Islands website. <http://ravenel.si.edu/botany/pacificislandbiodiversity/hawaiianflora/index.htm> [August, 2005].

Wagner, W.L., Herbst, D.R., and Sohmer, S.H., 1999. Manual of the Flowering Plants of Hawai'i-- Revised Edition. Honolulu, HI: University of Hawaii Press and Bishop Museum Press. 1853p.