



N. Tangalin, NTBG

Plants

Lysimachia pendens

SPECIES STATUS:

Genetic Safety Net Species
Hawai'i Natural Heritage Ranking – Critically
Imperiled (G1)
Endemism – Kaua'i

SPECIES INFORMATION: Shrubs many-branched and pendulous. Stems 20-60 mm long. Leaf blades narrowly lanceolate, 25-30 mm long and 2-4 mm wide. Flowers are solitary at the leaf axils. Petals red, obovate, 7.5-8.5 mm long and 5-6 mm wide. This species is new to science; first described in 1997.

DISTRIBUTION: Kaua'i.

ABUNDANCE: Fewer than 100 plants have been observed.

LOCATION AND CONDITION OF KEY HABITAT: Wet mossy cliffs with native shrubs, grasses, and sedges.

THREATS:

- Habitat degradation by feral pigs;
- Landslides;
- Competition from alien plant species;
- Stochastic extinction.

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 historic 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/printpage.asp?spp=PDMAL0H0A0>.