

## ENDANGERED PLANTS IN HAWAII VOLCANOES NATIONAL PARK

C. H. Lamoureux  
Botany Department  
University of Hawaii at Manoa  
Honolulu, Hawaii 96822

During the summer of 1976 a field survey of Hawaii Volcanoes National Park was initiated to determine which plants on various lists of endangered species were present in the park. All specimens in the park herbarium were also examined as part of this study. In the past two years a number of lists have appeared proposing candidates for inclusion on a list of endangered taxa which would be entitled to legal protection of some sort. The most comprehensive are:

- (a) "Rare and endangered species of Hawaiian plants" by F. R. Fosberg and Derral Herbst, Allertonia 1:1-72, 1975.
- (b) a list in the Federal Register, 40 FR 27823-27924, July 1, 1975.
- (c) a list included in a letter from Governor George R. Ariyoshi to F. Eugene Hester, August 22, 1975.
- (d) a list in the Federal Register, 41 FR 24524-24572, June 16, 1976.

Since list (d) is the one currently being considered for adoption under the terms of the Endangered Species Act of 1973, the following interim list for HAVO is based on that list, although information for the park has been obtained for the taxa on all four lists.

The plants in this list are those which now grow in Hawaii Volcanoes National Park, or which have been collected in the past from sites now included within HAVO, and which were listed in the Federal Register of June 16, 1976, pp. 24524-24572 as among those proposed for determination as endangered taxa pursuant to section 4 of the Endangered Species Act of 1973. The Federal Register list includes only taxa proposed for endangered status, it does not include any proposed for threatened status, so all plants listed below are to be considered endangered.

<u>Family</u>	<u>Scientific Name</u>	<u>Common Name</u>
FERNS:		
Ophioglossaceae	<i>Ophioglossum concinnum</i> Brack.	pololei
Polypodiaceae	<i>Adenophorus periens</i> L.E. Bish.	
MONOCOTYLEDONS:		
Liliaceae	<i>Dracaena hawaiiensis</i> (Deg.) Fosb.	hala-pepe
Poaceae	<i>Ischaemum byrone</i> (Trin.) Hitch.	
DICOTYLEDONS:		
Apocynaceae	<i>Ochrosia compta</i> K. Schum.	hōlei
	<i>Rauwolfia remotiflora</i> Deg. & Sherff	hao
Araliaceae	<i>Reynoldsia hillebrandii</i> Sherff	'ohe māka'i
Asteraceae	* <i>Argyroxiphium kauense</i> (Rock & Neal) Deg. & Deg.	'āhinahina; Ka'ū silversword
	* <i>A. sandwicense</i> DC.	'āhinahina; Hale-a-ka-lā silversword; Mauna Kea silversword
	<i>Bidens skottsbergii</i> Sherff var. <i>skottsbergii</i>	ko'oko'olau
	<i>B. skottsbergii</i> var. <i>conglutinata</i> (Deg. & Sherff) Sherff	ko'oko'olau
Campanulaceae	<i>Clermontia hawaiiensis</i> (Hbd.) Rock var. <i>hawaiiensis</i>	'ōhā-kēpau
	<i>C. peleana</i> Rock	
Fabaceae	<i>Canavalia kauensis</i> St. John	
	<i>Sesbania tomentosa</i> H. & A.	'ōhai

\* There is no evidence that these taxa occurred naturally in HAVO and present populations are those planted by man.

<u>Family</u>	<u>Scientific Name</u>	<u>Common Name</u>
DICOTYLEDONS:		
Goodeniaceae	<i>Scaevola kilaueae</i> Deg. var. <i>kilaueae</i>	naupaka; huahekili-uka
Loganiaceae	<i>Labordia baillonii</i> St. John	kāmakahala
	<i>L. hedyosmifolia</i> Baill. var. <i>kilaueana</i> Sherff	kāmakahala
	<i>L. hedyosmifolia</i> var. <i>magnifolia</i> Deg. & Sherff	kāmakahala
Malvaceae	<i>Hibiscadelphus giffardianus</i> Rock	hau-kuahiwi
	* <i>H. hualalaiensis</i> Rock	hau-kuahiwi
	* <i>Kokia drynarioides</i> (Seem.) Lewt.	hau-hele-'ula koki'o
Pittosporaceae	* <i>Pittosporum hosmeri</i> Rock var. <i>saint-johnii</i> Sherff	'a'awa-hua-kukui
Portulacaceae	<i>Portulaca sclerocarpa</i> Gray	'ihi-mākole; po'e
Rhamnaceae	<i>Alphitonia ponderosa</i> Hbd.	kauila
Rubiaceae	<i>Bobea timonioides</i> (Hook. f.) Hbd.	'ahakea
Rutaceae	<i>Pelea zahlbruckneri</i> Rock	
	<i>Zanthoxylum dipetalum</i> Mann var. <i>geminicarpum</i> Rock	kāwa'u
Sapindaceae	<i>Dodonaea eriocarpa</i> Smith var. <i>skottsbergii</i> Sherff	'a'ali'i
Solanaceae	<i>Nothocestrum breviflorum</i> Gray	'aiea
	<i>N. longifolium</i> Gray var. <i>rufipilosum</i> Stone	'aiea
Urticaceae	<i>Neraudia ovata</i> Gaud.	

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