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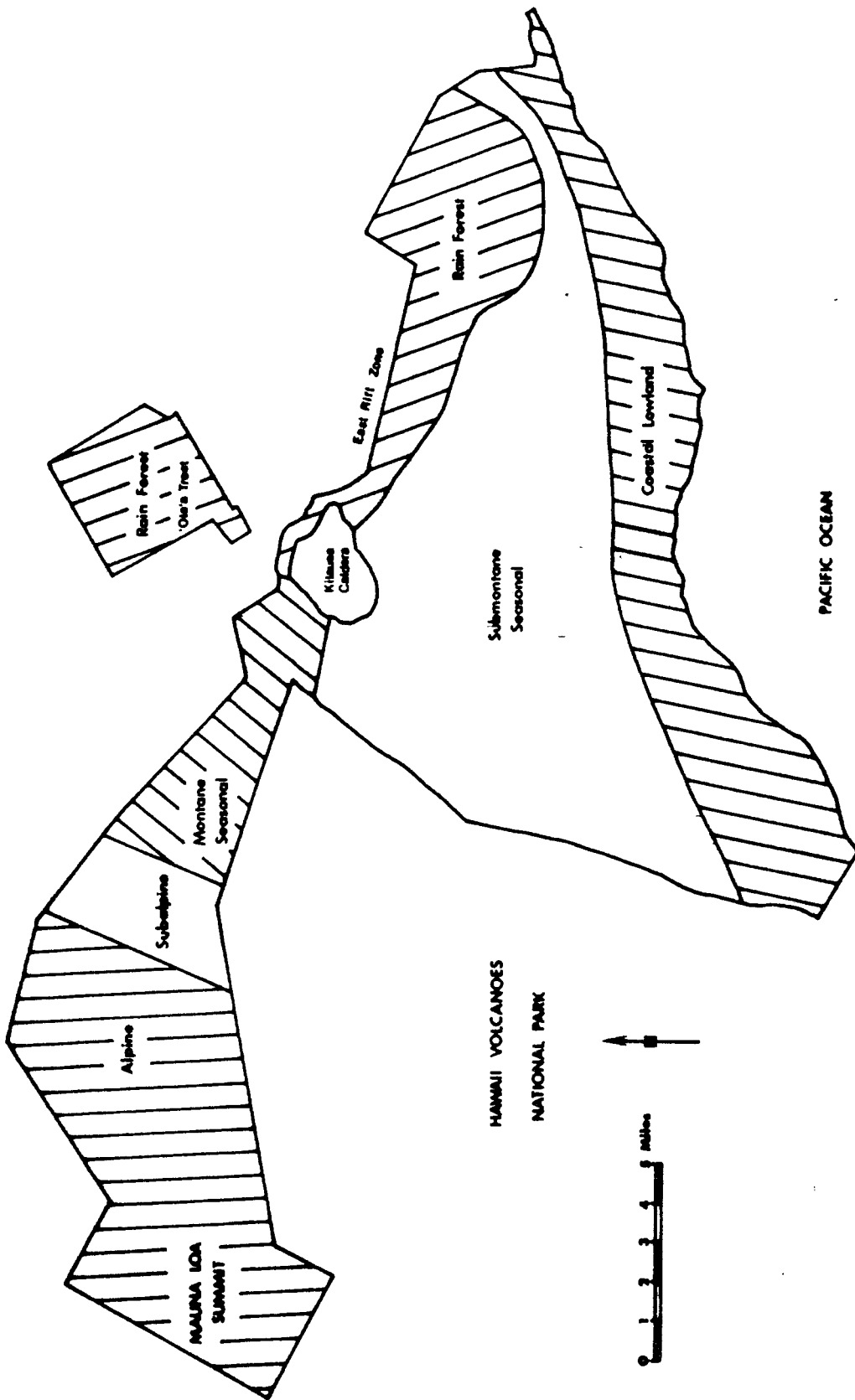
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CHECKLIST OF VASCULAR PLANTS
OF HAWAII VOLCANOES NATIONAL PARK

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ECOLOGICAL ZONES OF HAWAII VOLCANOES NATIONAL PARK

CHECKLIST OF VASCULAR PLANTS
OF HAWAII VOLCANOES NATIONAL PARK

The following checklist is a compilation of all previous lists of plants for Hawaii Volcanoes National Park (HAVO) since that published by Fagerlund and Mitchell (1944). Also included are observations not found in earlier lists. The current checklist contains names from Fagerlund and Mitchell (1944), Fagerlund (1947), Stone (1959), Doty and Mueller-Dombois (1966), and Fosberg (1975), as well as listings taken from collections in the Research Herbarium of HAVO and from studies of specific areas in the Park. The current existence in the Park of many of the listed taxa has not been confirmed (particularly ornamentals and ruderals). Plants listed by previous authors were generally accepted and included even if their location in HAVO is unknown to the present authors. Exceptions are a few native species erroneously included on previous HAVO checklists, but now known to be based on collections from elsewhere on the Island. Other omissions on the current list are plant names considered by St. John (1973) to be synonyms of other listed taxa.

The most recent comprehensive vascular plant list for HAVO was done in 1966 (Doty and Mueller-Dombois 1966). In the 22 years since then, changes in the Park boundaries as well as growth in botanical knowledge of the area have necessitated an updated checklist. Changes since 1966 include: botanical surveys of Park lands added since 1966 (for example, Ainahou Ranch); extensive botanical and ecological studies of various parts of HAVO; reduction and control of feral goats (*Capra hircus*) and pigs (*Sus scrofa*); spread of alien plants; the increase of some taxa and the decrease of others.

Fagerlund and Mitchell (1944) listed 519 plant taxa throughout the Park, 236 (45%) of them introduced. The present list contains 996 plant taxa, of which 622 (62%) are introduced. By conservative estimate, 411 of these non-native plant taxa are naturalized in HAVO: 12 Ferns, 2 Gymnosperms, 124 Monocots, and 273 Dicots. Table 1 summarizes the number and percentage of vascular plant taxa in Hawaii Volcanoes National Park by plant group and status.

Nomenclature for the ferns follows that of Lamoureux (unpublished), and for the angiosperms, that of St. John (1973). These two are the most comprehensive references in use in the Park. Obvious errors within these two sources were not duplicated in the present list. Appendix A indicates the differences in nomenclature between Lamoureux and W.H. Wagner, Jr. (1981) for the ferns, and the differences between St. John and the Manual of the Flowering Plants of Hawai'i (Wagner, Herbst, and Sohmer, in prep.) for the angiosperms. An asterisk (*) after a plant name in the checklist indicates a taxon with changed nomenclature or status. Lamoureux (when published) and Wagner, Herbst, and Sohmer (in prep.) will likely be used by more botanists in succeeding years. Where more recently published revisions of Hawaiian plant groups than St. John 1973 were available (for example St. John 1982a), these were used and

are cited in Appendix B. These revised taxa are indicated by the symbol + in the checklist proper.

Table 1. Number and percentage of vascular plant taxa by status in Hawaii Volcanoes National Park, 1988.

Taxon	Endemic	Indigenous	Polynesian Introduction	Alien	Total
Ferns and Fern Allies	61(55%)	35(32%)	0	14(13%)	110
Gymnosperms	0	0	0	14(100%)	14
Monocots	33(15%)	13(6%)	7(3%)	162(75%)	215
Dicots	202(31%)	30(4%)	13(2%)	412(63%)	657
Total	296(30%)	78(8%)	20(2%)	602(60%)	996

Information on STATUS is given for each taxon. Taxa are listed as Endemic, Indigenous, of Polynesian Introduction, or Alien (introduced to the Islands after 1778). Plants listed as Endemic are restricted to the Hawaiian Islands; those designated Indigenous are native to the Islands but also occur naturally elsewhere in the world. The status listing also indicates native plants that are of particular interest because they are Rare (marked by (R)). These include taxa that are being considered for Endangered status in the Federal Register (U.S. Fish and Wildlife Service 1985) or are rare within the confines of HAVO. Plant species considered rare in the Park are those with very low numbers of individuals and/or extremely limited distribution in HAVO. No distinction is made here between plants naturally rare in HAVO because of a lack of habitat and those artificially rare because of human-induced disturbances. An extracted list of HAVO taxa that are candidates for Endangered status (as of 1985) may be found in Appendix C. Appendix D contains a list of other rare native plants found in HAVO.

Another group of plants is marked (D) in the Status listing; these are taxa considered Disruptive or potentially disruptive to native ecosystems. Growth habits of these plants in HAVO and elsewhere have shown that they can or do displace native plants, and, alone or in combination with feral pigs and goats and fire, can be devastating to native systems. The designation (C) indicates that these plants have been effectively controlled and in some cases eliminated from the Park. While many localized alien plants are currently considered to be under control, this is a temporal phenomenon, and these species may reinvade or become serious problems

in the future (particularly if control efforts cease). Monitoring of controlled plants by HAVO personnel continues. Many other more widespread, disruptive species are being controlled in portions of HAVO, particularly Special Ecological Areas; these are not designated as (C) in the checklist. An extracted list of disruptive and potentially disruptive alien plant species in HAVO is found in Appendix E.

COMMON NAMES in Hawaiian or English are listed; Hawaiian names are given for native taxa (i.e., Endemic, Indigenous) and Polynesian Introductions. Hawaiian names for alien species are discouraged, but in a few cases where useage is established, they are included in this checklist. Common names used here are largely from St. John (1973), Porter (1972), and Pukui and Elbert (1971); other sources consulted are cited in the references. It is hoped that users of this list will learn the common names of some of the more common plants, so that communication among lay persons, educators, scientists, and cultural specialists can be natural and comfortable.

LIFE FORMS are indicated as follows. The term "Fern" is used for ferns and fern allies. Grasses, sedges, rushes, and other taxa commonly considered grass-like are listed as "Grass" life form. Other life forms used here include Herb, Shrub, Tree, and Vine; the last includes lianas.

To give the user a general idea of the reported habitat and distribution of plant species within the Park, the ECOLOGICAL ZONE(S) is listed for each taxon; these are coded as follows:

- 1 Coastal lowland, encompassing strand, grasslands, shrublands, and both dry and mesic forests;
- 2 Submontane seasonal, including dry and mesic shrublands and forests;
- 3 Rain forest;
- 4 Montane seasonal, including mesic forest and parkland;
- 5 Subalpine, primarily shrublands with scattered trees;
- 6 Alpine.

Two other categories are designated in the Ecological Zone column:

- 7 Cultivated: Alien taxa intentionally planted, primarily in the residential area of HAVO, Kilauea Military Camp, and Ainahou Ranch. When it is known that these plants have spread into other areas, the ecological zone into which they have moved is also listed. Taxa designated cultivated (7), without other ecological zone numbers, are not known to be naturalized in the Park. However, a detailed survey of the current Park distribution of alien species has not been made.
- 8 Roadside: Alien taxa that have established themselves along corridors such as roads, trails, and pipelines, or in disturbed areas such as lawns, cleared fields, old refuse dumps, and road material storage sites.

The Ecological Zone is Unknown if plants were listed in earlier HAVO checklists without indication of locality, are not in the Park

herbarium collections, and have not been reported in the Park since 1975.

While most of the alien plant species that have been intentionally introduced and cultivated in HAVO have remained where planted, many others have spread from the site of introduction and have become naturalized. A small but significant number of this latter group are highly disruptive to native ecosystems, and the attempt to control them in HAVO has been very expensive both in time and money. It is clear that the introduction of alien plant species is an activity inappropriate in a National Park, and the cultivation of such plants, even those thought to be innocuous, should be discouraged in Park residence and concession areas.

After the inception of a planting program in 1924 (Morris 1967), many native plants were propagated in HAVO greenhouses and planted in the Park. Planting was later halted because it was realized that some taxa were being introduced to areas beyond their natural ranges. The importance of maintaining the genetic integrity of naturally occurring populations and avoiding the mixing of gene pools of planted and naturally occurring taxa is now generally recognized. Where a native plant is known to have been introduced into the Park, it is designated as Planted for one or more Ecological Zones.

We are indebted to Warren L. Wagner, Derral Herbst, and Sy Sohmer for making available to us a draft version of their Manual of the Flowering Plants of Hawai'i. Special thanks also go to Charles Lamoureux for allowing us to use his unpublished fern list and keys.

The authors wish to acknowledge with thanks the plant collections, feedback, suggestions, and expertise of the following workers who have shared their knowledge of HAVO plant life: Mike Gates, Dina Kageler, Larry Katahira, Cliff Smith, Lani Stemmermann, Tim Tunison, Florence Wagner, W. H. Wagner Jr., and Chris Zimmer. We are especially grateful to Danielle Stone for her assistance in developing the checklist format, and particularly for her efforts in typing numerous drafts.

VASCULAR PLANTS OF HAWAII VOLCANOES NATIONAL PARK

TAXON	COMMON NAME	STATUS	LIFE FORM	ECOL. ZONE
<u>PSILOPHYTA</u>				
PSILOTACEAE:				
Whisk Fern Family				
<i>Psilotum complanatum</i> Sw.	moa, pipi	Indigenous	fern	2,3,4
<i>Psilotum nudum</i> (L.) Beauv.	moa, pipi	Indigenous	fern	1,2,3,4
<i>Psilotum complanatum</i> x <i>P. nudum</i>		Endemic	fern	2,3,4
<u>LYCOPHYTA</u>				
LYCOPODIACEAE:				
Club Moss Family				
<i>Lycopodium cernuum</i> L.	wawae-'iole	Indigenous	fern	3,4,5
<i>Lycopodium phyllanthum</i> Hook. & Arn.	wawae-'iole	Endemic	fern	2,3
<i>Lycopodium polytrichoides</i> Kaulf.	wawae-'iole	Endemic	fern	3
<i>Lycopodium venustulum</i> Gaud.	wawae-'iole	Indigenous	fern	3,4,5
SELAGINELLACEAE:				
Small Club Moss Family				
<i>Selaginella arbuscula</i> (Kaulf.) Spring*	lepelepe-a-moa	Endemic	fern	3
<i>Selaginella kraussiana</i> (Kunze) A. Braun		Alien	fern	3,7
<i>Selaginella</i> sp. (cultivated)		Alien	fern	7

TAXON	COMMON NAME	STATUS	LIFE FORM	ECOL. ZONE
<u>PTERIDOPHYTA</u>				
ADIANTACEAE:				
Maidenhair Fern Family				
Adiantum capillus-veneris L.	'iwa'iwa	Indigenous	fern	2,3
Adiantum hispidulum Sw.	maidenhair fern	Alien	fern	2,4
Adiantum raddianum Presl*	maidenhair fern	Alien	fern	2,7
ASPIDIACEAE:				
Shield Fern Family				
Arachniodes carvifolia (Kunze) Ching*	maku'e, pauoa	Indigenous	fern	3
Ctenitis latifrons (Brack.) Copel.	maku'e, pauoa	Endemic	fern	3,4
Ctenitis rubiginosa (Brack.) Copel.	ka'ape'ape	Endemic	fern	3
Cyrtomium caryotideum (Wall.) Presl	'i'i	Indigenous	fern	2,4
Dryopteris fusco-atra (Hbd.) Rob.	killau	Endemic	fern	2,3,4,5
Dryopteris glabra (Brack.) O. Kuntze	lau-kahi	Endemic	fern	3,4,5
Dryopteris hawaiiensis (Hill.) Rob.		Endemic	fern	4,5
Dryopteris wallichiana (Spreng.) Hyl.*		Indigenous	fern	3,4,5
Dryopteris unidentata (Hook. & Arn.) C. Chr.				
Tectaria gaudichaudii (Mett.) Maxon	'akole	Endemic	fern	3,4,5
	'iwa'iwa-lau-nui	Endemic	fern	2,3
ASPLENIACEAE:				
Spleenwort Family				
Asplenium acuminatum Hook. & Arn.	lola	Endemic	fern	3
Asplenium adiantum-nigrum L.	'iwa'iwa	Indigenous	fern	2,4,5
Asplenium contiguum Kaulf.*		Endemic	fern	3
Asplenium fragile Presl				
var. insularis Morton				
Asplenium horridum Kaulf.	'alae, 'iwa	Endemic (R)	fern	5,6
		Indigenous	fern	3

Asplenium kaulfussii Schlecht.	kuau	Endemic	fern	3
Asplenium lobulatum Mett.	'anali'i, pi'ipi'i-lau-manamana	Endemic	fern	3
Asplenium macraei Hook. & Grev.	'iwa'iwa-lau-li'i	Endemic	fern	3,4
Asplenium nidus L.	'ekaha, bird's nest fern	Indigenous	fern	1,2
Asplenium normale Don		Indigenous	fern	3
Asplenium polyodon Forst.*		Indigenous	fern	3
Asplenium rhipidoneuron Rob.*	'iwa'iwa-o-Kane	Indigenous	fern	2,3,4
Asplenium schizophyllum C. Chr.		Endemic (R)	fern	3
Asplenium trichomanes L.	'owali'i	Indigenous	fern	4,5
Asplenium unilaterale Lam.	pamoho	Indigenous	fern	3
ATHYRIACEAE:				
Lady Fern Family				
Athyriopsis japonica (Thunb.) Ching*		Alien	fern	2,3
Athyrium microphyllum (Sm.) Alston	'akolea	Endemic	fern	3
Diplazium esculentum (Retz.) Sw.*		Alien	fern	2
Diplazium sandwichianum (Presl) Diels*	ho'i'o	Endemic	fern	3,4
BLECHNACEAE:				
Blechnum Family				
Blechnum occidentale L.	blechnum	Alien	fern	2,3
Sadleria cyatheoides Kaulf.	'ama'u, 'ama'uma'u	Endemic	fern	2,3,4,5
Sadleria pallida Hook. & Arn.	'ama'u, 'ama'uma'u	Endemic	fern	3
Sadleria souleyetiana (Gaud.) Moore	'ama'u, 'ama'uma'u	Endemic	fern	3
DENNSTAEDTIACEAE:				
Microlepia strigosa (Thunb.) Presl	palapalai, palai	Indigenous	fern	2,3,4
DICKSONIACEAE:				
Dicksonia Family				
Cibotium chamissoi Kaulf.	hapu'u-'i'i, 'i'i	Endemic	fern	2,3,4
Cibotium glaucum (J. Sm.) Hook. & Arn.	hapu'u-pulu	Endemic	fern	2,3,4
Cibotium hawaiense Nakai & Ogura	meu	Endemic	fern	3

TAXON	COMMON NAME	STATUS	LIFE FORM	ECOL. ZONE
ELAPHOGLOSSACEAE:				
Elaphoglossum alatum Gaud.				
var. parvisquamium (Skotts.) Anders. & Crosby	'ekaha	Endemic	fern	3
Elaphoglossum crassifolium (Gaud.) Anders. & Crosby	'ekaha	Endemic	fern	2,3
Elaphoglossum hirtum (Sw.) C. Chr. var. micans (Mett.) C. Chr.	'ekaha, maku'e	Endemic	fern	2,3,4,5
Elaphoglossum pellucidum Gaud.	hoe-a-Maui	Endemic	fern	3
Elaphoglossum wawrae (Luer.) C. Chr.	'ekaha	Endemic	fern	3,4,5
GLEICHENIACEAE:				
Uluhe Family				
Dicranopteris emarginata (Brack.) Rob.	uluhe	Endemic	fern	3
Dicranopteris linearis (Burm.) Underw.	uluhe	Indigenous	fern	2,3
Diplopterygium pinnatum (Kunze) Nakai*	uluhe-lau-nui	Indigenous	fern	3
Sticherus owyhensis (Hook.) Ching	uluhe	Endemic	fern	3
GRAMMITIDACEAE:				
Grammitis Family				
Adenophorus hymenophylloides (Kaulf.) Hook. & Grev.	pai, palai-huna	Endemic	fern	3
Adenophorus periens L.E. Bish.	kihi, kihe	Endemic (R)	fern	3
Adenophorus pinnatifidus Gaud.	kihi, kihe	Endemic	fern	2,3
Adenophorus tamariscinus (Kaulf.) Hook. & Grev.	wahine-noho-mauna	Endemic	fern	2,3
Adenophorus tripinnatifidus Gaud.	wahine-noho-mauna	Endemic	fern	3
Grammitis hookeri (Brack.) Copel.*	maku'e-lau-li'i	Endemic	fern	3

Grammitis tenella Kaulf.	kolokolo, mahina-lua kihe, kihi	Endemic Endemic	fern fern	2,3 2,3
Xiphopteris saffordii (Maxon) Copel.				
HEMIONITIDACEAE:				
Coniogramme pilosa (Brack.) Hieron.	lo'ulu	Endemic	fern	3,4
Pityrogramma calomelanos (L.) Link	silver fern, gold fern	Alien	fern	1,2,3,4
HYMENOPHYLLACEAE:				
Filmy Fern Family				
Callistopteris baldwinii (Eaton) Copel.		Endemic	fern	3
Gonocormus minutus (Blume) v.d. Bosch		Indigenous	fern	2,3
Gonocormus prolifer (Blume) Prantl		Indigenous (R)	fern	3
Mecodium recurvum (Gaud.) Copel.	'ohia-ku	Endemic	fern	3
Sphaerocionium lanceolatum (Hook. & Arn.) Copel.	palai-hinahina	Endemic	fern	3
Sphaerocionium obtusum (Hook. & Arn.) Copel.	palai-lau-li'i	Endemic	fern	3
Vandenboschia cyrtotheca (Hbd.) Copel.	palai-hihi	Endemic	fern	3
Vandenboschia davallioides (Gaud.) Copel.	kilau, kalau, palai-hihi	Endemic	fern	3
Vandenboschia draytoniana (Brack.) Copel.		Endemic (R)	fern	3
HYPOLEPIDACEAE				
Hypolepis punctata (Thunb.) Mett.	olua, mana	Indigenous	fern	3
Pteridium aquilinum (L.) Kuhn var. decompositum (Gaud.) Tryon	kilau-a-pueo, brackenfern	Endemic	fern	2,4,5
LINDSAEACEAE:				
Lindsaea Family				
Lindsaea ensifolia Sw. var. ensifolia		Indigenous (R)	fern	2

TAXON	COMMON NAME	STATUS	LIFE FORM	ECOL. ZONE
<i>Sphenomeris chinensis</i> (L.) Maxon*	pala'a	Indigenous	fern	2,3,4
MARATTIACEAE:				
Marattia Family				
<i>Marattia douglasii</i> (Presl) Baker	pala	Indigenous (R)	fern	3
NEPHROLEPIDACEAE:				
<i>Nephrolepis cordifolia</i> (L.) Presl	ni'ani'au	Indigenous	fern	2,3,4
<i>Nephrolepis exaltata</i> (L.) Schott	kupukupu	Indigenous	fern	2,3,4
<i>Nephrolepis multiflora</i> (Roxb.) Jarrett ex Morton*	scaly swordfern	Alien	fern	1,2,3,4
OPHIOGLOSSACEAE:				
Adder's Tongue Family				
<i>Ophioglossum concinnum</i> Brack.	pololei	Endemic (R)	fern	1
<i>Ophioglossum nudicaule</i> L. f.		Indigenous	fern	1,2
<i>Ophioglossum pendulum</i> L.	lau-kahi,			
subsp. <i>falcatum</i> (Presl) Clausen*	puapua-moa	Indigenous	fern	2,3
<i>Ophioglossum petiolatum</i> Hook.		Indigenous (R)	fern	2
POLYPODIACEAE:				
Polypody Family				
<i>Phymatosorus scolopendria</i> (Burm.) Pic.-Ser.*	laua'e, lauwa'e 'ekaha-'akolea,	Alien	fern	1,7
<i>Pleopeltis thunbergiana</i> Kaulf.	pakahakaha 'ae	Indigenous Endemic	fern fern	2,3,4 2,3,4,5
<i>Polypodium pellucidum</i> Kaulf.*				
PTERIDACEAE:				
<i>Pteris cretica</i> L.	'owali	Indigenous	fern	2,3,4,5

<i>Pteris excelsa</i> Gaud.	waimaka-nui, 'iwa	Endemic	fern	3,4
<i>Pteris irregularis</i> Kaulf.	mana, 'iwa-puakea	Endemic	fern	3
<i>Pteris vittata</i> L.		Alien	fern	2
SINOPTERIDACEAE:				
<i>Doryopteris decipiens</i> (Sm.) Hook.	'iwa'iwa	Endemic	fern	1,2
<i>Doryopteris decora</i> Brack.	'iwa'iwa	Endemic	fern	1,2
<i>Pellaea ternifolia</i> (Cav.) Link.	kalamoho-lau-li'i	Indigenous	fern	2,4,5,6
<i>Pellaea viridis</i> (Forsk.) Prantl	green cliffbrake	Alien	fern	7
THELYPTERIDACEAE:				
Thelypteris Family				
<i>Amauropelta globulifera</i> (Brack.) Holt.	palapalai-a-Kama- pua'a	Endemic	fern	3,4
<i>Christella cyatheoides</i> (Kaulf.) Holt.	kikawaio, pakikawaio	Endemic	fern	3
<i>Christella dentata</i> (Forsk.) Brownsey & Jermy	oak fern	Alien	fern	2,3,4
<i>Christella parasitica</i> (L.) Levl.	downy wood fern	Alien	fern	2,3,4
<i>Macrothelypteris torresiana</i> (Gaud.) Ching		Indigenous?	fern	2,3
<i>Pneumatopteris hudsoniana</i> (Brack.) Holt.		Endemic (R)	fern	1
<i>Pneumatopteris sandwicensis</i> (Brack.) Holt.	ho'i'o-kula	Endemic	fern	3
<i>Pseudophegopteris keraudreniana</i> (Gaud.) Holt.	waimaka-nui	Endemic	fern	3
VITTARIACEAE:				
Vittaria Family				
<i>Vittaria elongata</i> Sw.	'ohe'ohe	Indigenous	fern	2,3

TAXON	COMMON NAME	STATUS	LIFE FORM	ECOL. ZONE
<u>GYMNOSPERMAE</u>				
ARAUCARIACEAE:				
Araucaria Family				
Agathis sp.	kauri	Alien	tree	7
Araucaria heterophylla (Salisb.) Franco	Norfolk Island pine	Alien	tree	7
CUPRESSACEAE:				
Cypress Family				
Cupressus sp.	cypress	Alien	tree	7
Juniperus bermudiana L.	Bermuda juniper	Alien	tree	7
Thuja orientalis L.	oriental arbor-vitae	Alien	tree	7
PINACEAE:				
Pine Family				
Pinus caribaea Morelet	slash pine	Alien	tree	2,7
Pinus radiata D. Don	Monterey pine	Alien	tree	7
Pinus taeda L.	loblolly pine	Alien	tree	7
Pinus sp.	pine	Alien	tree	7
PODOCARPACEAE:				
Podocarpus Family				
Podocarpus javanicus (Burm. f.) Merr.		Alien	tree	7
TAXODIACEAE:				
Taxodium Family				
Cryptomeria japonica (L.f.) D. Don	sugi, tsugi	Alien	tree	3,7
Cunninghamia lanceolata (Lamb.) Hook.	China fir	Alien	tree	7

Metasequoia glyptostroboides Hu & Cheng	dawn redwood	Alien	tree	7
Sequoia sempervirens (D. Don in Lamb.) Endl.	coast redwood	Alien	tree	7

MONOCOTYLEDONAE

AMARYLLIDACEAE (AGAVACEAE):

Amaryllis Family

Agave americana L.	century plant	Alien	herb	7
Agave sisalana Perrine ex Engelm.	sisal	Alien (D)	herb	1,2,7
Hippeastrum x johnsonii Bury*		Alien	herb	7
Narcissus sp.	narcissus	Alien	herb	7

ARACEAE:

Arum Family

Anthurium sp.	anthurium	Alien	herb	7
Colocasia esculenta (L.) Schott	taro, kalo	Poly. Intro.	herb	7
Monstera deliciosa Liebm.	monstera	Alien	vine	7
Philodendron sp.	philodendron	Alien	vine	7
Zantedeschia aethiopica (L.) Spreng.	calla lily	Alien	herb	7

BROMELIACEAE:

Pineapple Family

Ananas comosus (Stickm.) Merr.	pineapple	Alien	herb	7
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CANNACEAE:

Canna Family

Canna (ornamental hybrid)	canna	Alien	herb	7
Canna indica L.	canna	Alien	herb	2

COMMELINACEAE:

Spiderwort Family

Commelina diffusa Burm. f.	honohono, dayflower	Alien	herb	2,3,4
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TAXON	COMMON NAME	STATUS	LIFE FORM	ECOL. ZONE
CYPERACEAE:				
Sedge Family				
<i>Bulbostylis capillaris</i> (L.) C. B. Clarke		Alien	grass	1,2,4,5
<i>Carex alligata</i> F. Boott		Endemic	grass	3
<i>Carex macloviana</i> D'Urv.				
var. <i>subfusca</i> (W. Boott) Kuek.*	St. Malo's sedge	Indigenous	grass	4, 5
<i>Carex wahuensis</i> C. A. Mey.				
var. <i>rubiginosa</i> R. W. Krauss*				
<i>Cyperus alternifolius</i> L.	umbrella plant	Endemic	grass	2,3,4,5
<i>Cyperus brevifolius</i> (Rottb.) Hassk.*	kyllinga, kili'o'opu	Alien	grass	7
<i>Cyperus compressus</i> L.		Alien	grass	1,2,3,4
<i>Cyperus difformis</i> L.*		Alien	grass	1
<i>Cyperus gracilis</i> R. Br.		Alien	grass	3,8
<i>Cyperus haspan</i> L.*	McCoy grass	Alien	grass	3
<i>Cyperus hillebrandii</i> Boeck.*		Alien	grass	3
<i>Cyperus javanicus</i> Houtt.*		Endemic	grass	2,4
<i>Cyperus kyllinga</i> Endl.*	'ahu'awa	Indigenous	grass	1
<i>Cyperus laevigatus</i> L.	kyllinga	Alien	grass	3
<i>Cyperus phleoides</i> (Nees ex Steud.) H. Mann	makalao	Indigenous	grass	1
var. <i>hawaiiensis</i> (Mann) Kuek.*		Endemic	grass	3
<i>Cyperus polystachyus</i> Rottb.*		Indigenous	grass	1,2,3,4
<i>Cyperus rotundus</i> L.	nut grass	Alien	grass	2,3,4,8
<i>Cyperus virens</i> Michx. +		Alien	grass	3
<i>Cyperus</i> sp.		Alien	grass	8
<i>Eleocharis obtusa</i> (Willd.) Schult.	pipi-wai, kohekohe	Indigenous	grass	3
<i>Fimbristylis dichotoma</i> (L.) Vahl	tall fringe rush	Indigenous	grass	1,4,8
<i>Fimbristylis hawaiiensis</i> Hbd.		Endemic	grass	1,2
<i>Fimbristylis pycnocephala</i> Hbd.*		Indigenous	grass	1

<i>Machaerina angustifolia</i> (Gaud.) Koyama	'uki	Indigenous	grass	2,3
<i>Machaerina gahniaeformis</i> (Gaud.) Kern*	'uki	Endemic	grass	2,4,5
<i>Machaerina mariscooides</i> (Gaud.) Kern subsp. meyenii (Kunth) Koyama	'uki, 'aha-niu	Indigenous	grass	3
<i>Oreobolus furcatus</i> Mann		Endemic (R)	grass	5
<i>Rhynchospora caduca</i> Elliott +	kuulohia	Alien	grass	3
<i>Rhynchospora lavarum</i> Gaud.*		Endemic	grass	2
<i>Rhynchospora sclerioides</i> H. & A.	Hawaiian beak rush	Endemic	grass	2
<i>Uncinia uncinata</i> (L. f.) Kuek.		Indigenous	grass	2,3,4
DIOSCOREACEAE:				
Yam Family				
<i>Dioscorea alata</i> L.	uhi, winged yam	Poly. Intro.	vine	2
GRAMINEAE (POACEAE):				
Grass Family				
<i>Agrostis avenacea</i> Gmel.	he'u-pueo	Alien	grass	2,3,4
<i>Agrostis sandwicensis</i> Hbd.	Hawaiian bent	Endemic	grass	4,5,6
<i>Agrostis stolonifera</i> L.	marsh bent	Alien	grass	8
<i>Aira caryophyllea</i> L.	silver hairgrass	Alien	grass	2,4
<i>Aira elegans</i> Willd. ex Gaudin		Alien	grass	4
<i>Andropogon aristatus</i> Poir.*	Wilder grass	Alien	grass	2
<i>Andropogon glomeratus</i> (Walt.) B.S.P.*	bush beardgrass	Alien (D)	grass	1,2,3,4
<i>Andropogon pertusus</i> (L.) Willd.*	pitted beardgrass	Alien	grass	2
<i>Andropogon virginicus</i> L.	broomsedge	Alien (D)	grass	2,3
<i>Anthoxanthum odoratum</i> L.	sweet vernal grass	Alien	grass	4,5
<i>Arundinaria</i> sp.		Alien	grass	7
<i>Arundo donax</i> L.	giant reed	Alien	grass	7
var. <i>versicolor</i> (Mill.) Stokes.	wild oat	Alien	grass	4,5,8
<i>Avena fatua</i> L.	oat	Alien	grass	4,5
<i>Avena sativa</i> L.	narrow-leaved carpetgrass			
<i>Axonopus affinis</i> Chase*	California grass	Alien	grass	3,4
<i>Brachiaria mutica</i> (Forsk.) Stapf		Alien (D)	grass	2,8

TAXON	COMMON NAME	STATUS	LIFE FORM	ECOL. ZONE
<i>Briza minor</i> L.	little quakinggrass	Alien	grass	2,3,4
<i>Bromus catharticus</i> Vahl*	prairie grass	Alien	grass	4,5
<i>Bromus commutatus</i> Schrad.	hairy chess	Alien	grass	4
<i>Bromus madritensis</i> L. +	Spanish brome	Alien	grass	2
<i>Bromus mollis</i> L.	soft chess	Alien	grass	4,5
<i>Bromus rigidus</i> Roth	ripoutgrass	Alien	grass	4,5
<i>Bromus secalinus</i> L.	chess	Alien	grass	4,5
<i>Bromus sterilis</i> L.		Alien	grass	4,5
<i>Cenchrus echinatus</i> L.				
var. <i>echinatus</i>	common sandbur	Alien	grass	1,2,8
<i>Cenchrus echinatus</i> L.				
var. <i>hillebrandianus</i>	Hillebrand's sandbur	Indigenous	grass	1,2
(Hitcch.) F. Br*				
<i>Chloris gayana</i> Kunth	Rhodes grass	Alien	grass	2
<i>Chloris inflata</i> Link*	swollen fingergrass	Alien	grass	1,2
<i>Chrysopogon aciculatus</i> (Retz.) Trin.	golden beardgrass	Alien	grass	1,2,8
<i>Coix lachryma-jobi</i> L.	Job's tears	Alien	grass	2
<i>Cymbopogon refractus</i> (R. Br.)				
A. Camus	barbwiregrass	Alien	grass	2
<i>Cynodon dactylon</i> (L.) Pers.	Bermuda grass	Alien	grass	1,2,7
<i>Dactylis glomerata</i> L.	orchardgrass	Alien (D)	grass	4,5
<i>Dactyloctenium aegyptium</i> (L.) Willd.	beach wiregrass	Alien	grass	1,2
<i>Danthonia semiannularis</i> (Labill.) R. Br.	wallaby grass	Alien	grass	5
<i>Deschampsia australis</i> Nees ex Steud.*		Endemic	grass	3,4,5,6
<i>Digitaria adscendens</i> (HBK.) Henr.*	Henry's crabgrass	Alien	grass	1,2
<i>Digitaria decumbens</i> Stent*	pangolagrass	Alien	grass	2,3
<i>Digitaria fuscescens</i> (Presl) Henr.	creeping kukae-pua'a	Alien	grass	1
<i>Digitaria pruriens</i> (Fisch. ex Trin.)				
Buse* +	kukae-pua'a	Poly Intro.	grass	2

<i>Digitaria sanguinalis</i> (L.) Heist. in Scop.*	large crabgrass	Alien	grass	2
<i>Digitaria violascens</i> Link	kukae-pua'a-uka	Alien	grass	1,2
<i>Echinochloa crusgavonis</i> (HBK.) Schult.*	goosegrass,	Alien	grass	2,8
<i>Eleusine indica</i> (L.) Gaertn.	wiregrass	Alien	grass	1,2
<i>Elymus triticoides</i> Buckl.	beardless wild-rye	Alien	grass	6
<i>Eragrostis brownii</i> (Kunth) Nees	Brown's lovegrass	Alien	grass	1,2,4,5
<i>Eragrostis cilianensis</i> (All.) Vignolo-Iutati	stinkgrass	Alien	grass	3
<i>Eragrostis elongata</i> (Willd.) Jacq. +	large Hawaiian	Alien	grass	2,8
<i>Eragrostis grandis</i> Hbd.	Lovegrass	Endemic	grass	4
<i>Eragrostis pectinacea</i> (Michx.) Nees	Carolina lovegrass	Alien	grass	4,5
<i>Eragrostis tenella</i> (L.) Beauv.	Japanese lovegrass	Alien	grass	1,2
<i>Eragrostis variabilis</i> (Gaud.) Hbd.	'emo-loa, kalamalo	Endemic	grass	2,4
<i>Festuca dertonensis</i> (All.) Aschers. & Graebn.*	foxtail fescue	Alien	grass	2,4,5
<i>Festuca megalura</i> Nutt.		Alien	grass	2,4,5
<i>Festuca myuros</i> L.*		Alien	grass	unknown
<i>Festuca octoflora</i> Walt.	red fescue	Alien	grass	unknown
<i>Festuca rubra</i> L.		Alien	grass	3,8
<i>Gastridium ventricosum</i> (Gouan) Schinz & Thell.	nittgrass	Alien	grass	2,4
<i>Heteropogon contortus</i> (L.) Beauv. ex R. & S.	pili	Indigenous	grass	1,2
<i>Holcus lanatus</i> L.	velvetgrass	Alien (D)	grass	2,3,4,5
<i>Hordeum murinum</i> L.	wild barley	Alien	grass	2,4,5
<i>Hordeum vulgare</i> L.	barley	Alien	grass	4,6
<i>Hyparrhenia rufa</i> (Nees) Stapf	thatchinggrass	Alien (D)	grass	1,2
<i>Isachne distichophylla</i> Munro ex Hbd.	'ohe	Endemic	grass	2,3
<i>Ischaemum byrone</i> (Trin.) Hitchc.	Hilo ischaemum	Endemic (R)	grass	1
<i>Lolium multiflorum</i> Lam.	Italian ryegrass	Alien	grass	4,8
<i>Lolium perenne</i> L.	perennial ryegrass	Alien	grass	4,5
<i>Melinis minutiflora</i> Beauv.	molassesgrass	Alien (D)	grass	1,2,3,4

TAXON	COMMON NAME	STATUS	LIFE FORM	ECOL. ZONE
<i>Microlaena stipoides</i> (Labill.) R. Br.*	meadow ricegrass	Alien (D)	grass	2,3,4,5
<i>Oplismenus hirtellus</i> (L.) Beauv.	honohono-kukui, basketgrass	Alien	grass	1,2,4
<i>Panicum colliei</i> Endl.*		Endemic (R)	grass	1
<i>Panicum dichotomiflorum</i> Michx.	fall panicum	Alien	grass	8
<i>Panicum maximum</i> Jacq.	Guinea grass	Alien (D)	grass	1,2
<i>Panicum nephelophilum</i> Gaud.	konakona	Endemic	grass	4,5
<i>Panicum pellitum</i> Trin.		Endemic (R)	grass	1
<i>Panicum repens</i> L.	Wainaku grass, torpedo grass	Alien	grass	4,5,8
<i>Panicum tenuifolium</i> H. & A.	mountain pili	Endemic	grass	4,5
<i>Panicum xerophilum</i> (Hbd.) Hitchc.	kakonakona	Endemic	grass	1
<i>Paspalum conjugatum</i> Berg.	Hilo grass	Alien (D)	grass	2,3,4
<i>Paspalum dilatatum</i> Poir.	paspalum grass	Alien (D)	grass	3,4,5
<i>Paspalum orbiculare</i> Forst. f.*	ricegrass	Alien	grass	2,3
<i>Paspalum urvillei</i> Steud.	vaseygrass	Alien (D)	grass	3,4,8
<i>Pennisetum clandestinum</i> Hochst. ex Chiov.*	kikuyu	Alien (D)	grass	3,4,7,8
<i>Pennisetum purpureum</i> Schumach.	elephantgrass, napierglass	Alien	grass	1,2,7,8
<i>Pennisetum setaceum</i> (Forsk.) Chiov.	fountaingrass	Alien (D)	grass	1,2,8
<i>Phalaris tuberosa</i> L.	large canarygrass	Alien	grass	4,5
<i>Phleum pratense</i> L.	timothy	Alien	grass	8
<i>Phyllostachys</i> sp.	bamboo	Alien	grass	7
<i>Poa annua</i> L.	annual bluegrass	Alien	grass	2,3,4
<i>Poa pratensis</i> L.	Kentucky bluegrass	Alien	grass	3,4,5
<i>Polypogon monspeliensis</i> (L.) Desf.	rabbitfoot grass	Alien	grass	2
<i>Rhynchelytrum repens</i> (Willd.) C.E. Hubb.	Natal redtop	Alien (D)	grass	1,2,3,4
<i>Saccharum officinarum</i> L.	sugar cane, ko	Poly. Intro.	grass	7

<i>Sacciolepis indica</i> (L.) Chase	Glenwoodgrass	Alien	grass	2,3
<i>Secale cereale</i> L.	rye	Alien	grass	4,6
<i>Setaria geniculata</i> (Poir.) Beauv.*	perennial foxtail	Alien	grass	2,3,4
<i>Setaria glauca</i> (L.) Beauv.*	yellow foxtail	Alien	grass	2,3,4
<i>Setaria palmaefolia</i> (Koen.) Stapf*	palmgrass	Alien (D)	grass	3
<i>Setaria sphacelata</i> (Schum.) Stapf & C.E. Hubb. ex M.B. Moss		Alien	grass	8
<i>Sporobolus africanus</i> (Poir.) Robyns & Tournay	African dropseed	Alien	grass	2,4
<i>Sporobolus diander</i> (Retz.) Beauv.	Indian dropseed	Alien	grass	1,2
<i>Sporobolus fertilis</i> (Steud.) W.D. Clayton		Alien	grass	1,2
<i>Sporobolus</i> sp.		Alien	grass	4
<i>Stenotaphrum secundatum</i> (Walt.) Ktze.	buffalo grass, St. Augustine grass	Alien	grass	3,4
<i>Trisetum glomeratum</i> (Kunth) Trin.	he'u-pueo, pili-uka	Endemic	grass	5,6
<i>Triticum aestivum</i> L.	wheat	Alien	grass	8
IRIDACEAE:				
Iris Family				
<i>Aristea</i> sp.	aristea	Alien	herb	7
<i>Freesia refracta</i> (Jacq.) Klatt	freesia	Alien	herb	7
<i>Gladiolus primulinus</i> Baker	primrose gladiolus	Alien	herb	7
<i>Gladiolus psittacinus</i> Hook.	parrot gladiolus	Alien	herb	7
<i>Gladiolus</i> sp.	gladiolus	Alien	herb	7
<i>Iris</i> cf. <i>germanica</i> L. +	German iris	Alien	herb	7
<i>Neomarica</i> sp.		Alien	herb	7
<i>Sisyrinchium acre</i> Mann	mau'u-la'ili, mau'u-ho'ula'ili	Endemic (R)	herb	4,5
<i>Sisyrinchium micranthum</i> Cav.		Alien	herb	3,8
<i>Tigridia pavonia</i> (L.f.) Ker-Gawl var. <i>watkinsonii</i> (Paxt.) Bailey	tiger flower	Alien	herb	7
<i>Tritonia crocosmiflora</i> Nichols.*	montbretia	Alien	herb	3,4,7,8
<i>Watsonia iridifolia</i> (Ker-Gawl) Sims var. <i>O'Brieni</i> N.E. Br.	irisleaf buglelily	Alien	herb	7

TAXON	COMMON NAME	STATUS	LIFE FORM	ECOL. ZONE
JOINVILLEACEAE:				
Joinvillea Family				
Joinvillea ascendens Brong. & Gris. subsp. ascendens	'ohe	Endemic (R)	grass	3
JUNCACEAE:				
Rush Family				
Juncus bufonius L.	common toad rush	Alien	grass	4
Juncus effusus L.	bog rush	Alien (D)	grass	3
Juncus planifolius R. Br.		Alien	grass	3,4
Juncus tenuis Willd.	slender rush	Alien	grass	4
Juncus xiphioides E. Mey. var. triandrus Engelm.*		Alien	grass	3,4
Luzula hawaiiensis Buch.		Endemic	grass	2,4,5
LILIACEAE:				
Lily Family				
Agapanthus africanus (L.) Hoffmannsegg	African lily	Alien	herb	7
Allium porrum L.	leek	Alien	herb	7
Allium sp.	onion	Alien	herb	7
Aloe vera L.	aloe	Alien	herb	7
Asparagus officinalis L. var. altilis L.	asparagus	Alien	herb	7
Asparagus setaceus (Kunth) Jessop	asparagus fern	Alien	herb	7
Astelia menziesiana Sm.	pa'iniu	Endemic	herb	3
Cordyline terminalis (L.) Kunth*	ti, ki	Poly. Intro.	shrub	2,4,7
Dianella sandwicensis H. & A.	'uki'uki	Endemic	herb	2,4,5
Dracaena hawaiiensis (Deg.) Fosb.* +	halapepe	Endemic (R)	shrub, tree	2

Hemerocallis aurantiaca Baker	golden summer			
var. major Baker	day lily	Alien	herb	7
Hemerocallis fulva L.				
var. Kwanso Regel	fulvous day lily	Alien	herb	7
Kniphofia uvaria (L.) Hook.	poker plant	Alien	herb	7
Lilium longiflorum Thunb.				
var. eximium (Lem.) Nichols.	Easter lily	Alien	herb	7
Phormium tenax J. R. & G. Forst.*	New Zealand flax	Alien (C)	herb	3,7
Pleomele deremensis (Engler) N.E. Br. +		Alien	shrub	7
Pleomele marginata (Lam.) N.E. Br.	money tree	Alien	shrub, tree	7
Smilax sandwicensis Kunth*	hoi-kuahiwi	Endemic	vine	3,4
Yucca filamentosa L.	Adam's needle	Alien (C)	herb	7
MUSACEAE:				
Banana Family				
Heliconia spp.	heliconia	Alien	herb	7
Musa sp.	banana	Alien	herb	2,7
Strelitzia reginae Banks	bird of paradise	Alien	herb	7
ORCHIDACEAE:				
Orchid Family				
Anoectochilus sandwicensis Lindl.	honohono orchid	Endemic (R)	herb	3
Arundina bambusaefolia (Roxb.) Lindl.*	bamboo orchid	Alien	herb	2,3
Cymbidium sp.	cymbidium	Alien	herb	7
Epidendrum sp.		Alien	herb	7
Liparis hawaiiensis Mann	'awapuhi-a-Kanaloa	Endemic (R)	herb	3
Phaius tankervilleae	Chinese			
(Banks ex L'Hér.) Bl.*	ground orchid	Alien	herb	2,3
Spathoglottis plicata Bl.	Philippine			
	ground orchid	Alien	herb	1,2,3,4
PALMAE (ARECACEAE):				
Palm Family				
Chrysalidocarpus lutescens (Bory)	golden-fruited			
H. Wendl.	palm	Alien	tree	7

TAXON	COMMON NAME	STATUS	LIFE FORM	ECOL. ZONE
<i>Cocos nucifera</i> L.	niu, coconut	Poly. Intro.	tree	1 (planted)
<i>Phoenix dactylifera</i> L.	date palm	Alien (C)	tree	1,2
<i>Phoenix roebelini</i> O'Brien	dwarf date palm	Alien	tree	7
<i>Pritchardia beccariana</i> Rock	loulu	Endemic (R)	tree	3
<i>Pritchardia lanigera</i> Becc.	loulu	Endemic	tree	3,4 (planted)
PANDANACEAE:				
Screw-pine Family				
<i>Freycinetia arborea</i> Gaud.	'ie'ie	Endemic	liana (vine)	2,3,4
<i>Pandanus tectorius</i> Warb.*	hala, pu hala	Indigenous	shrub, tree	1,2
TYPHACEAE:				
Cattail Family				
<i>Typha</i> sp.	cattail	Alien	grass	3
XYRIDACEAE:				
Xyris Family				
<i>Xyris</i> sp.	yellow-eyed grass	Alien	herb	2
ZINGIBERACEAE:				
Ginger Family				
<i>Alpinia purpurata</i> (Vieill.) K. Schum.	red ginger	Alien	herb	7
<i>Costus speciosus</i> (Koenig in Retz.) Sm.*	spiral flag,			
	crepe ginger	Alien	herb	7
	white ginger	Alien	herb	3,7
	yellow ginger	Alien	herb	3,7
	kahili ginger	Alien (D)	herb	3,4,7
	'awapuhi	Poly. Intro.	herb	2

DICOTYLEDONAE

ACANTHACEAE:

Acanthus Family

Nicotaba betonica (L.) Lindau* white shrimp plant Alien shrub 7

AIZOACEAE:

Carpetweed Family

Lampranthus glomerata (L.) N.E. Br. ice flower Alien herb 7

Sesuvium portulacastrum (L.) L. 'akulikuli Indigenous herb 1

Tetragonia tetragonioides
(Pallas) Ktze. New Zealand spinach Alien herb 7

AMARANTHACEAE:

Amaranth Family

Amaranthus spinosus L. spiny amaranth Alien herb 1,2

Amaranthus tricolor L. Joseph's coat Alien herb 8

Amaranthus viridis L. slender amaranth Alien herb 2

Charpentiera obovata Gaud. papala Endemic (R) tree 3,4

Charpentiera obovata x C. ovata + papala Endemic (R) tree 3

Charpentiera ovata Gaud. papala Endemic (R) tree 4

Nototrichium sandwicense (Gray) Hbd. kulu'i Endemic (R) tree 2

ANACARDIACEAE:

Mango Family

Mangifera indica L. mango Alien tree 2,7

Rhus sandwicensis Gray neneleau Endemic (R) shrub, tree 2

Schinus terebinthifolius Raddi Christmas berry Alien (D) shrub 1,2

ANNONACEAE:

Custardapple Family

Annona cherimola Mill. cherimoya Alien tree 7

Annona reticulata L. custard apple Alien tree 2,7

TAXON	COMMON NAME	STATUS	LIFE FORM	ECOL. ZONE
APOCYNACEAE:				
Periwinkle Family				
<i>Alyxia olivaeformis</i> Gaud.*	maile	Endemic	vine	2,3,4
<i>Catharanthus roseus</i> (L.) G. Don	Madagascar periwinkle	Alien	herb	1,7
<i>Ochrosia haleakalae</i> St. John +	holei	Endemic	tree	4 (planted)
<i>Ochrosia kilaueaensis</i> St. John +	holei	Endemic (R)	shrub, tree	4
<i>Plumeria rubra</i> L.	red plumeria	Alien	shrub, tree	7
<i>Rauvolfia remotiflora</i> Deg. & Sherff*	hao	Endemic (R)	shrub, tree	1,2
<i>Vinca major</i> L.	trailing periwinkle	Alien	herb	7
AQUIFOLIACEAE:				
Holly Family				
<i>Ilex anomala</i> H. & A.	kawa'u	Endemic	tree	2,3
<i>Ilex aquifolium</i> L.	holly	Alien	shrub, tree	7
<i>Ilex</i> sp.	holly	Alien	shrub	7
ARALIACEAE:				
Ginseng Family				
<i>Brassaia actinophylla</i> Endl.*	umbrella tree	Alien	tree	2,4
<i>Cheirodendron trigynum</i> (Gaud.) Heller	'olapa	Endemic	tree	2,3
<i>Cheirodendron trigynum</i> (Gaud.) Heller var. <i>degeneri</i> Sherff				
f. <i>pauciflorum</i> Sherff*	'olapa	Endemic	tree	3
<i>Hedera helix</i> L.	English ivy	Alien	vine	2,3,7
<i>Reynoldsia sandwicensis</i> Gray +	'ohe makai	Endemic (R)	tree	1,2
<i>Tetraplasandra hawaiiensis</i> Gray	'ohe	Endemic (R)	tree	2,3
<i>Tetraplasandra kavaiensis</i> (Mann) Sherff var. <i>grandis</i> Sherff*	'ohe'ohe	Endemic (R)	tree	3
<i>Tetraplasandra meiantra</i> (Hbd.) Harms*	'ohe	Endemic (R)	tree	3,4

ASCLEPIADACEAE:

Milkweed Family

<i>Asclepias curassavica</i> L.	milkweed	Alien	herb	2
<i>Gomphocarpus physocarpus</i> E. Mey.*	balloon plant	Alien	shrub	1,2,4

BALSAMINACEAE:

Balsam Family

<i>Impatiens sultani</i> Hook. f.*	impatiens	Alien	herb	3,7
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BEGONIACEAE:

Begonia Family

<i>Begonia fuchsioides</i> Hook.*	begonia	Alien	herb	7
<i>Begonia semperflorens</i> Link & Otto	begonia	Alien	herb	7
<i>Begonia</i> sp.	begonia	Alien	herb	2

BIGNONIACEAE:

Bignonia Family

<i>Jacaranda acutifolia</i> Humb. & Bonpl.*	jacaranda	Alien	tree	7
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BORAGINACEAE:

Heliotrope Family

<i>Amsinckia intermedia</i> Fisch. & Mey.	fiddleneck	Alien	herb	6
<i>Cordia subcordata</i> Lam.	kou	Poly. Intro.	shrub, tree	1,2
<i>Cynoglossum zeylanicum</i> Vahl ex Lehm.	Chinese			
<i>Heliotropium arborescens</i> L.	forget-me-not	Alien	herb	2,5,7
<i>Heliotropium curassavicum</i> L.	garden heliotrope	Alien	herb	7
<i>Messerschmidia argentea</i> (L. f.) Johnston*	vena	Indigenous	herb	1
<i>Myosotis azorica</i> H. C. Wats. ex Hook.	tree heliotrope	Alien	shrub, tree	1
	forget-me-not	Alien	herb	3,7

BUXACEAE:

Box Family

<i>Buxus sempervirens</i> L.	common box	Alien	shrub	7
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TAXON	COMMON NAME	STATUS	LIFE FORM	ECOL. ZONE
CACTACEAE: Cactus Family Epiphyllum sp. Opuntia megacantha Salm-Dyck*	prickly pear, pa-nini	Alien Alien	vine shrub	7 2,7
CAMPANULACEAE: Bellflower Family Tridanis biflora (R. & P.) Greene Wahlenbergia gracilis (G. Forstr.) A. DC. +		Alien Alien	herb herb	2 4,5,6
CAPPARACEAE: Caper Family Capparis sandwichiana DC.	maiapilo	Endemic (R)	shrub	1
CAPRIFOLIACEAE: Honeysuckle Family Abelia x grandiflora (Rovelli ex Andre) Rehd. Lonicera japonica Thunb. Sambucus mexicana Presl ex DC. var. bipinnata (Schlecht. & Cham.) Scherwin*	abelia honeysuckle elder	Alien Alien Alien	shrub vine shrub	7 3,7 7
CARICACEAE: Papaya Family Carica papaya L.	papaya	Alien	shrub, tree	1,7

CARYOPHYLLACEAE:

Pink Family

Cerastium vulgatum L.*	larger mouseear chickweed	Alien	herb	2,3,4
Dianthus barbatus L.	sweet William	Alien	herb	7
Dianthus caryophyllus L.	carnation	Alien	herb	7
Dianthus chinensis L.	carnation	Alien	herb	7
Drymaria cordata (L.) Willd. ex R. & S.	drymaria	Alien	herb	1,3,4,5
Polycarpon tetraphyllum (L.) L.	allseed	Alien	herb	1,2,4,5
Schiedea diffusa Gray		Endemic (R)	vine	3
Silene gallica L.	small-flowered catchfly	Alien	herb	1,2
Silene hawaiiensis Sherff		Endemic (R)	herb	2,5
Stellaria media (L.) Villars*	common chickweed	Alien	herb	4,8

CASUARINACEAE:

Casuarina Family

Casuarina equisetifolia Stickm.*	common ironwood	Alien (C)	tree	1
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CELASTRACEAE:

Bittersweet Family

Perrottetia sandwicensis Gray	olomea	Endemic	tree	3,4
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CHENOPODIACEAE:

Goosefoot Family

Beta vulgaris L.				
var. cicla L.	Swiss chard	Alien	herb	7
Beta vulgaris L.				
var. crassa Alef. +	beet	Alien	herb	7
Chenopodium album L.	pigweed	Alien	shrub	2
Chenopodium ambrosioides L.	Mexican tea	Alien	herb	2,8
Chenopodium murale L.	nettle-leaved goosefoot	Alien	herb	2

TAXON	COMMON NAME	STATUS	LIFE FORM	ECOL. ZONE
COMPOSITAE (ASTERACEAE):				
Sunflower Family				
<i>Acanthospermum australe</i> (Loefl.) Ktze.	spiny-bur	Alien	herb	2
<i>Achillea millefolium</i> L.	common yarrow	Alien	herb	8
<i>Ageratum conyzoides</i> L.	ageratum	Alien	herb	2,3
<i>Ageratum houstonianum</i> Mill.		Alien	herb	3
<i>Anthemis cotula</i> L.	field chamomile	Alien	herb	5,8
<i>Argyroxiphium kauense</i> (Rock & Neal) Deg. & Deg.				
<i>Argyroxiphium sandwicense</i> DC. subsp. <i>macrocephalum</i> (Gray) Meyrat +	Ka'u silversword hinahina, 'ahinahina	Endemic (R)	herb	5 (planted)
<i>Artemisia vulgaris</i> L.	mugwort	Endemic	herb	6 (planted)
<i>Aster</i> sp.	aster	Alien	herb	8
<i>Bidens cynapifolia</i> HBK.*	West Indian beggar's tick	Alien	herb	7
<i>Bidens pilosa</i> L.		Alien	herb	1
var. <i>minor</i> (Bl.) Sherff*				
<i>Bidens pilosa</i> L. var. <i>pilosa</i>	Spanish needle	Alien	herb	1,2,4
<i>Bidens skottsbergii</i> Sherff*	Spanish needle	Alien	herb	1,2,3,4,5,8
<i>Centaurea cyanus</i> L.	ko'oko'olau	Endemic (R)	herb, shrub	2
<i>Centaurea melitensis</i> L.	bachelor's button	Alien	herb	7
<i>Chrysanthemum frutescens</i> L.	Napa thistle	Alien	herb	1,2
<i>Chrysanthemum leucanthemum</i> L.	Marguerite	Alien	herb	7
<i>Chrysanthemum maximum</i> L.	white daisy	Alien	herb	3,7
<i>Cirsium vulgare</i> (Savi) Tenore	Shasta daisy	Alien	herb	2,7
<i>Coreopsis lanceolata</i> L.	bull thistle	Alien	herb	2,3,4
<i>Coreopsis nuecensis</i> Heller*	coreopsis	Alien	herb	7
<i>Cosmos bipinnatus</i> Cav.	calliopsis cosmos	Alien	herb	4,7
		Alien	herb	7

Crassocephalum crepidioides (Benth.) S. Moore +		Alien	herb	1,2,3
Dahlia excelsa Benth.	flat tree dahlia	Alien	herb	7
Dahlia pinnata Cav.	common dahlia	Alien	herb	7
Dubautia ciliolata (DC.) Keck +	na'ena'e	Endemic	shrub	2,4,5,6
Dubautia ciliolata x D. scabra +		Endemic	shrub	2
Dubautia linearis (Gaud.) Keck +	na'ena'e	Endemic	shrub	2,4,5
Dubautia scabra (DC.) Keck	na'ena'e	Endemic	shrub	2,3,4,5
Dubautia scabra (DC.) Keck subsp. leiophylla (Gray) G. Carr +	na'ena'e	Endemic	shrub	2,3,5,6
Dubautia x vafra (Deg. & Sherff) Keck* +		Endemic	shrub	2
Elephantopus mollis HBK.	elephant's-foot	Alien	herb	2
Emilia javanica (Burm. f.) C.B.Robins*	red pua-lele	Alien	herb	1,2,3,4,5
Emilia sonchifolia (L.) DC.	lilac pua-lele	Alien	herb	1,3,4
Erechtites hieracifolia (L.) Raf.	fireweed	Alien	herb	2,3
Erechtites valerianaefolia (Wolf) DC.*		Alien	herb	3
Erigeron bonariensis L.*	hairy horseweed	Alien	herb	2,3,4,5
Erigeron canadensis L.*	Canada fleabane	Alien	herb	2,3,4
Erigeron karvinskianus DC.	daisy fleabane	Alien	herb	3,7
Erigeron pusillus Nutt.*		Alien	herb	2
Eupatorium riparium Regel*	spreading mist flower	Alien	herb	3,4,5
Filago gallica L.		Alien	herb	2
Gaillardia pulchella Foug. var. picta (Sweet) Gray	gaillardia	Alien	herb	7
Galinsoga ciliata (Raf.) Blake*		Alien	herb	1
Galinsoga parviflora Cav.	galinsoga	Alien	herb	1,2,8
Gerbera jamesoni Bolus	Transvaal daisy	Alien	herb	7
Gnaphalium hawaiiense Deg. & Sherff*	'ena'ena	Endemic (R)	herb	1,2,4
Gnaphalium japonicum Thunb.		Alien	herb	3,4,5
Gnaphalium purpureum L.	purple cudweed	Alien	herb	2,3,4,5
Gnaphalium sandwicense Gaud. var. kilaueanum Deg. & Sherff	'ena'ena	Endemic	herb	2,5
Helichrysum bracteatum (Vent.) Andr.	strawflower	Alien	herb	5
Hypochoeris glabra L.	smooth cats-ear	Alien	herb	2

TAXON	COMMON NAME	STATUS	LIFE FORM	ECOL. ZONE
<i>Hypochoeris radicata</i> L.	hairy cats-ear,			
	gosmore	Alien	herb	2,3,4,5
<i>Lactuca sativa</i> L.	lettuce	Alien	herb	7
<i>Lipochaeta succulenta</i> (H. & A.) DC. var. <i>decurrans</i> (Gray) Sherff*	nehe	Endemic	herb	2 (planted)
<i>Pluchea odorata</i> (L.) Cass.*	sourbush	Alien (D)	shrub	1,2,3,4
<i>Senecio mikanioides</i> Otto ex Walp.	German ivy	Alien (D)	vine	3,7
<i>Senecio sylvaticus</i> L.	wood groundsel	Alien	herb	3,4,5
<i>Solidago altissima</i> L.*	tall goldenrod	Alien	herb	7,8
<i>Soliva sessilis</i> Ruiz & Pav. +		Alien (C)	herb	8
<i>Sonchus arvensis</i> L.		Alien	herb	2
<i>Sonchus asper</i> (L.) Hill	spiny sow thistle	Alien	herb	3,4,5
<i>Sonchus oleraceus</i> L.	sow thistle	Alien	herb	1,2,3,4
<i>Stokesia laevis</i> (Hill) Greene	Stokes aster	Alien	herb	7
<i>Synedrella nodiflora</i> (L.) Gaertn.	synedrella	Alien	herb	1
<i>Tagetes erecta</i> L.	African marigold	Alien	herb	7
<i>Tagetes patula</i> L.	French Marigold	Alien	herb	7
<i>Taraxacum officinale</i> (L.) Weber in Wiggers*	dandelion	Alien	herb	4,5
<i>Tetramolopium humile</i> (Gray) Hbd.	alpine tetramolopium	Endemic	herb	5,6
<i>Tetramolopium humile</i> (Gray) Hbd. var. <i>skottsbergii</i> Sherff*		Endemic	herb	5,6
<i>Tridax procumbens</i> L.	coat buttons	Alien	herb	1,2
<i>Vernonia cinerea</i> (L.) Less.	ironweed	Alien	herb	1,2,3,4
<i>Xanthium italicum</i> L.* +		Alien	herb	2
<i>Xanthium saccharatum</i> Wallr.*	cocklebur	Alien	herb, shrub	1,2
<i>Youngia japonica</i> (L.) DC.	oriental hawksbeard	Alien	herb	2,3
<i>Zinnia elegans</i> Jacq.	zinnia	Alien	herb	7

CONVOLVULACEAE:

Morning-glory Family

<i>Cuscuta sandwichiana</i> Choisy*	kauna'oa	Endemic (R)	vine	1
<i>Ipomoea alba</i> L.	moon flower	Alien	vine	1
<i>Ipomoea batatas</i> (L.) Poir.	'uala, sweet potato	Poly. Intro.	vine	2,7,8
<i>Ipomoea brasiliensis</i> (L.) Sweet*	pohuehue	Indigenous	vine	1
<i>Ipomoea congesta</i> R. Br.*	koali-'awa	Indigenous	vine	1,2,4
<i>Ipomoea purpurea</i> (L.) Roth.	common morning glory	Alien	vine	7
<i>Ipomoea tuba</i> (Schlecht.) G. Don*		Alien	vine	1
<i>Ipomoea tuboides</i> Deg. & van Ooststr.	Hawaiian moon flower	Endemic	vine	1
<i>Jacquemontia sandwicensis</i> Gray*	pa'u-o-Hi'i-aka	Endemic	vine	1
<i>Merremia aegyptia</i> (L.) Urban +	hairy merremia	Poly. Intro.	vine	1,2
<i>Stictocardia tiliacifolia</i> (Ders.) Hallier f.	stictocardia	Alien	vine	1

CRASSULACEAE:

Orpine Family

<i>Crassula argentea</i> L. f.	jade plant	Alien	herb, shrub	7
<i>Crassula</i> sp.		Alien	herb	7
<i>Kalanchoë pinnata</i> (Lam.) Pers.	air plant	Alien	herb	1
<i>Kalanchoë tubiflora</i> (Harv.) Hamet*		Alien	herb	7
<i>Kalanchoë waldheimii</i> +		Alien	herb	7
<i>Sempervivum tectorum</i> L.	hen-and-chickens	Alien	herb	7

CRUCIFERAE (BRASSICACEAE):

Mustard Family

<i>Brassica campestris</i> L.	wild mustard	Alien	herb	2,5,7
<i>Brassica chinensis</i> L.	Chinese cabbage	Alien	herb	7
<i>Brassica juncea</i> (L.) Czernj. & Coss.	kai-choi	Alien	herb	6,7
<i>Brassica nigra</i> (L.) Koch	black mustard	Alien	herb	5,7
<i>Brassica oleracea</i> L. var. botritis L.	cauliflower	Alien	herb	7

TAXON	COMMON NAME	STATUS	LIFE FORM	ECOL. ZONE
Brassica oleracea L. var. capitata L.	head cabbage	Alien	herb	7
Brassica rapa L.	turnip	Alien	herb	7
Cardamine flexuosa With. f. umbrosa (Gren. & Godr.) O. E. Schulz	bittercress	Alien	herb	3,4
Cardamine konaensis St. John*	Kona bittercress	Endemic	herb	3
Coronopus didymus (L.) Sm.	swine cress	Alien	herb	2
Iberis sp.	candytuft	Alien	herb	7
Lepidium virginicum L.	wild peppergrass	Alien	herb	4,5
Lobularia maritima (L.) Desv.	sweet alyssum	Alien	herb	7
Matthiola sp.	stock	Alien	herb	7
Nasturtium sarmentosum (DC.) Schinz & Guillaumin	pa'ihī	Poly. Intro.	herb	1
Raphanus sativus L.	radish	Alien	herb	5,7
Raphanus sativus L. var. longipinnatus Bailey	daikon	Alien	herb	5,7
Sisymbrium altissimum L.	Jim hill mustard	Alien	herb	2,4,6
Sisymbrium officinale (L.) Scop.	hedge mustard	Alien	herb	2,4
CUCURBITACEAE:				
Gourd Family				
Benicasa hispida (Thunb.) Cogn.	Chinese preserving melon	Alien (C)	vine	4
Cucumis sativus L.	cucumber	Alien	vine	7
Cucurbita pepo L.	field pumpkin	Alien	vine	7
Sechium edule (Jacq.) Sw.	chayote, pipinella, pipinola	Alien	vine	3,8
Sicyos hillebrandii St. John*	'anunu	Endemic (R)	vine	4

Sicyos microcarpus Mann var. kilaueaensis St. John	'anunu	Endemic (R)	vine	2
DIPSACACEAE:				
Teasel Family				
Scabiosa sp.	scabiosa	Alien	herb	7
EBENACEAE:				
Ebony Family				
Diospyros ferrea (Willd.) Bakh. var. pubescens (Skottsb.) Fosb.*	lama	Endemic	tree	1,2
Diospyros ferrea (Willd.) Bakh. var. sandwicensis (A. DC.) Bakh.*	lama kaki, oriental persimmon	Endemic Alien	tree tree	1 7
ELAEAGNACEAE:				
Oleaster Family				
Elaeagnus umbellata Thunb. +		Alien (C)	shrub	7
EPACRIDACEAE:				
Epacris Family				
Styphelia douglasii (A. Gray) F. Muell. ex Skottsb.*	pukiawe	Endemic	shrub	4,5
Styphelia tameiameiae (Cham.) F. Muell.	pukiawe	Indigenous	shrub	1,2,3,4,5
ERICACEAE:				
Heath Family				
Rhododendron indicum (L.) Sweet	azalea	Alien	shrub	7
Vaccinium calycinum Smith f. fauriei (Lévl.) Skottsb.*	'ohelo-kau-la'au	Endemic	shrub, tree	2,3,4
Vaccinium pahalae Skottsb.*	'ohelo	Endemic	shrub	4,5
Vaccinium peleanum Skottsb.*	'ohelo	Endemic	shrub	4,5
Vaccinium reticulatum Sm.	'ohelo	Endemic	shrub	2,4,5,6

TAXON	COMMON NAME	STATUS	LIFE FORM	ECOL. ZONE
EUPHORBIACEAE:				
Spurge Family				
<i>Acalypha wilkesiana</i> Muell.-Arg.	painted copperleaf	Alien	shrub	7
<i>Aleurites moluccana</i> (L.) Willd.	kukui	Poly. Intro.	tree	1,2; 4 (planted)
<i>Antidesma platyphyllum</i> Mann	hame	Endemic	tree	2,3,4
<i>Antidesma pulvinatum</i> Hbd.	hame, mehame	Endemic (R)	tree	2
<i>Euphorbia celastroides</i> Boiss. in A. DC. var. <i>amplectens</i> Sherff*	'akoko	Endemic (R)	shrub	1,2
<i>Euphorbia glomerifera</i> (Millsp.) L.C. Wheeler*		Alien	herb	1,2
<i>Euphorbia hirta</i> L.*	garden spurge	Alien	herb	1,2,3
<i>Euphorbia prostrata</i> Ait.*	prostrate spurge	Alien	herb	1,2
<i>Euphorbia pulcherrima</i> Willd. ex Klotzsch	poinsettia	Alien	shrub	7
<i>Euphorbia thymifolia</i> L.*	thyme-leaved spurge	Alien	herb	1,2
<i>Jatropha curcas</i> L.	physic nut	Alien	shrub	7
<i>Phyllanthus debilis</i> Klein ex Willd.	phyllanthus weed	Alien	herb	1,2
<i>Ricinus communis</i> L.	castor bean	Alien (D)	shrub, tree	1,2
FAGACEAE:				
Beech Family				
<i>Castanea dentata</i> (Marsh.) Borkh.	American chestnut	Alien	tree	7
<i>Quercus suber</i> L.	cork oak	Alien	tree	7
FLACOURTIACEAE:				
Flacourtia Family				
<i>Azara</i> sp.	azara	Alien	shrub	7
<i>Doryalis hebecarpa</i> (Gardn.) Warb.	Ceylon gooseberry	Alien	tree	2
<i>Xylosma hawaiiense</i> Seem. var. <i>hillebrandii</i> (Wawra) Sleumer	maua	Endemic (R)	tree	2,3,4

GENTIANACEAE:

Gentian Family

Centaurium erythraea Rafn bitter herb Alien herb 2,4,5

GERANIACEAE:

Geranium Family

Erodium cicutarium (L.) L'Hér.
ex Ait.* filaree Alien herb 4,5,6

Geranium carolinianum L.
var. *australe* (Benth.) Fosb.* Carolina crane's bill Alien herb 4,5

Geranium cuneatum Hook.
var. *hypoleucum* Gray* hinahina Endemic shrub 5

Geranium dissectum L. cut-leaved crane's bill Alien herb 5

Pelargonium graveolens (Thunb.)
L'Hér. rose geranium Alien herb 7

Pelargonium hortorum Bailey fish geranium Alien herb 7

GESNERIACEAE:

Gloxinia Family

Cyrtandra giffardii Rock ha'i-wale Endemic (R) shrub, tree 3

Cyrtandra lysiosepala (Gray)
C.B. Clarke ha'i-wale Endemic (R) shrub 3

Cyrtandra lysiosepala x
C. *platyphylla* ha'i-wale Endemic shrub 3

Cyrtandra montis-loa Rock* ha'i-wale Endemic shrub, tree 3

Cyrtandra paludosa Gaud.
var. *irrostrata* St. John* ha'i-wale Endemic shrub 3

Cyrtandra platyphylla Gray ha'i-wale Endemic shrub 3

Cyrtandra ramosissima Rock ha'i-wale Endemic (R) shrub, tree 3

GOODENIACEAE:

Naupaka Family

Scaevola chamissoniana Gaud.
var. *bracteosa* Hbd.* naupaka-kuahiwi Endemic shrub 3

TAXON	COMMON NAME	STATUS	LIFE FORM	ECOL. ZONE
<i>Scaevola kilaueae</i> Deg.	huahekili-uka,			
<i>Scaevola taccada</i> (Gaertn.) Roxb.*	papa'a-hekili naupaka-kahakai	Endemic (R) Indigenous	shrub shrub	2 1
GUTTIFERAE (CLUSIACEAE):				
Mangosteen Family				
<i>Hypericum degeneri</i> Fosb.*		Alien	herb	3
<i>Hypericum moserianum</i> André	gold flower	Alien	herb	7
<i>Hypericum mutilum</i> L.	St. Johnswort	Alien	herb	3
HALORAGACEAE				
Water-milfoil Family				
<i>Gonocarpus chinensis</i> (Lour.) Orchard		Alien	herb	2
HAMAMELIDACEAE:				
Witch-hazel Family				
<i>Liquidambar styraciflua</i> L.	red gum, sweet gum	Alien	tree	7
LABIATAE (LAMIACEAE):				
Mint Family				
<i>Coleus blumei</i> Benth.*	coleus	Alien	herb	7
<i>Leonurus sibiricus</i> L.	lion's tail	Alien	herb	2
<i>Mentha piperita</i> L.	peppermint	Alien	herb	4,7
<i>Phyllostegia floribunda</i> Benth.		Endemic (R)	shrub	3
<i>Phyllostegia macrophylla</i> (Gaud.) Benth. var. <i>macrophylla</i>	eue'e	Endemic (R)	vine	3
<i>Phyllostegia racemosa</i> Benth.	kiponapona	Endemic (R)	vine	5
<i>Phyllostegia vestita</i> Benth.		Endemic (R)	vine	3
<i>Plectranthus parviflorus</i> Willd.	'ala'ala-wai-nui	Indigenous	herb	1,2

Prunella vulgaris L.					3
Salvia coccinea Juss. ex Murr.	self-heal	Alien	herb		1,2
Salvia leucantha Cav.	scarlet sage	Alien	herb		7
Salvia occidentalis Sw.	Mexican bush salvia	Alien	herb		1,2
Salvia splendens Sello in R. & S. var. atropurpurea Hort.	West Indian sage	Alien	herb		7
Stenogyne angustifolia Gray	scarlet sage	Alien	herb		7
var. salicifolia Sherff*		Endemic (R)	vine		4
Stenogyne calaminthoides Gray		Endemic	vine		3
Stenogyne calaminthoides Gray var. subrotunda Sherff*		Endemic	vine		3
Stenogyne kaalae Wawra		Endemic	vine		2
var. coriacea Deg. & Sherff*		Endemic (R)	vine		3
Stenogyne macrantha Benth.		Endemic (R)	vine		4
Stenogyne rugosa Benth. f. rugosa	ma'ohi'ohi	Endemic	vine		4
Stenogyne rugosa Benth. var. subulata Sherff*		Endemic (R)	vine		4
Stenogyne scrophularioides Benth.	mohihi	Endemic (R)	vine		4
var. biflora Sherff*		Endemic (R)	vine		3,4
Stenogyne sessilis Benth.		Endemic (R)	vine		3,4
LAURACEAE:					
Laurel Family					
Cassytha filiformis L.	kauna'oa-pehu	Indigenous	vine		1,2
Persea americana Mill.	avocado	Alien	tree		2,3,4,7
LEGUMINOSAE (FABACEAE):					
Bean Family					
Abrus precatorius L.	black-eyed susan	Alien	vine		1
Acacia confusa Merr.	Formosan koa	Alien (D)	tree		2,7
Acacia dealbata Link	silver wattle	Alien	tree		7
Acacia decurrens (Wendl.) Willd.*	black wattle	Alien (D) (C)	tree		2,7
Acacia koa Gray var. koa	koa	Endemic	tree		7; 3 (planted)

TAXON	COMMON NAME	STATUS	LIFE FORM	ECOL. ZONE
Acacia koa Gray	koa	Endemic	tree	3,4,5,7
var. latifolia (Benth.) St. John* +	Australia blackwood	Alien (C)	tree	(planted 2,3)
Acacia melanoxylon R. Br. in Ait. f.		Alien	tree	2,7
Albizia sp.		Alien	tree	8
Caesalpinia bonduc (L.) Roxb.	kakalaioa	Indigenous	shrub, vine	1,2
Cajanus cajan (L.) Millsp.	pigeon pea	Alien	shrub	2,8
Canavalia kauensis St. John* +	'awikiwiki	Endemic (R)	vine	1,2
Cassia bicapsularis L.*		Alien	shrub, tree	2
Cassia floribunda Cav.*	kalamona	Alien	shrub	7
Cassia gaudichaudi H. & A.*	kalamona, uhiuhi	Indigenous (R)	shrub	2
Cassia leschenaultiana DC.*	partridge pea	Alien	herb, shrub	1,2
Cassia occidentalis L.*	coffee senna	Alien	herb	2
Ceratonia siliqua L.	carob,			
	St. John's bread	Alien	tree	7
Crotolaria anagyroides HBK.*		Alien	herb	1,2
Crotolaria incana L.	fuzzy rattle-pod	Alien	herb, shrub	2
Crotolaria mucronata Desv.*	rattle-pod	Alien	shrub	1,2,8
Crotolaria retusa L.	rattle-box	Alien	herb, shrub	2
Cytisus scoparius (L.) Link	Scotch broom	Alien	shrub	7
Desmanthus virgatus (L.) Willd.	slender mimosa	Alien	shrub	1
Desmodium cajanifolium (HBK.) DC.		Alien	herb, shrub	2,3,4
Desmodium canum (Gmel.)				
Schinz & Thell.*				
Desmodium intortum (Mill.) Urb.	Spanish clover	Alien	herb	2,3,4
Desmodium tortuosum (Sw.) DC.	Florida beggarweed	Alien	herb	2,8
Desmodium triflorum (L.) DC.	three-flowered beggarweed	Alien	herb	3,4
Desmodium uncinatum (Jacq.) DC.*	beggarweed	Alien	herb	1,2
Dioclea wilsonii Standl.	Spanish clover	Alien	herb	1,2,4
Dolichos lablab L.*	sea bean	Alien	vine	1
	hyacinth bean	Alien	vine	2

<i>Erythrina sandwicensis</i> Deg.	wiliwili	Endemic (R)	tree	1,2
<i>Indigofera suffruticosa</i> Mill.	indigo	Alien	shrub	1,2
<i>Indigofera tinctoria</i> L.	indigo	Alien	shrub	unknown
<i>Lathyrus odoratus</i> L.	sweet pea	Alien	herb	2,7
<i>Leucaena leucocephala</i> (Lam.) de Wit	koa-haole	Alien (D)	shrub	1,2
<i>Lotus angustissimus</i> L.	slender birds-foot trefoil	Alien	herb	2,5
<i>Lotus uliginosus</i> Schk.	big birds-foot trefoil	Alien	herb	3
<i>Lupinus hybridus</i> Lem.	lupine	Alien	herb	2
<i>Medicago polymorpha</i> L.	bur clover	Alien (C)	herb	4
<i>Medicago sativa</i> L.	alfalfa	Alien	herb	7
<i>Melilotus indica</i> (L.) All.	Indian yellow clover	Alien	herb	4,5
<i>Mezoneuron kavaiense</i> (Mann) Hbd.*	uhiuhi	Endemic	shrub, tree	2 (planted)
<i>Mimosa pudica</i> L.	sensitive plant	Alien	herb	1,2,8
<i>Mucuna gigantea</i> (Willd.) DC.	ka'e'e	Indigenous	vine	1
<i>Phaseolus lathyroides</i> L.*	cow pea	Alien	herb	1,2
<i>Pisum sativum</i> L.	golden pea	Alien	herb	7
<i>Pithecelobium dulce</i> (Roxb.) Benth.	Madras thorn	Alien	tree	unknown
<i>Prosopis pallida</i> (Humb. & Bonpl. ex Willd.) HBK.	kiawe, algaroba	Alien (C)	tree	1
<i>Pueraria lobata</i> (Willd.) Owhi	kudzu	Alien (C)	vine	2,7
<i>Samanea saman</i> (Jacq.) Merr.	monkeypod	Alien	tree	1
<i>Sesbania tomentosa</i> H. & A.	'ohai	Endemic (R)	shrub	1,2
<i>Sophora chrysohylla</i> (Salisb.) Seem. var. <i>chrysohylla</i>	mamane	Endemic	tree	2,4,5
<i>Tamarindus indica</i> L.	tamarind	Alien	tree	7
<i>Tephrosia purpurea</i> (L.) Pers.	'auhuhu	Poly. Intro.	shrub	1,2
<i>Trifolium arvense</i> L.	rabbit-foot clover	Alien	herb	2,4,5
<i>Trifolium pratense</i> L.	red clover	Alien	herb	2,4
<i>Trifolium procumbens</i> L.	hop clover	Alien	herb	4,5,8
<i>Trifolium repens</i> L.	white clover	Alien	herb	4,5
<i>Vicia sativa</i> L.	common vetch	Alien	herb	2,4
<i>Vigna marina</i> (Burm.) Merr.	nanea	Indigenous	vine	1
<i>Wisteria sinensis</i> Sweet	Chinese wisteria	Alien	vine	7

TAXON	COMMON NAME	STATUS	LIFE FORM	ECOL. ZONE
LINACEAE:				
Flax Family				
<i>Linum usitatissimum</i> L.	flax	Alien	shrub	7
LOBELIACEAE:*				
Lobelia Family				
<i>Clermontia coerulea</i> Hbd.		Endemic (R)	shrub, tree	unknown
<i>Clermontia hawaiiensis</i> (Hbd.) Rock	'oha-kepau	Endemic (R)	shrub, tree	2,3,4
<i>Clermontia montis-loa</i> Rock	'oha-wai	Endemic (R)	shrub, tree	3
<i>Clermontia montis-loa</i> f. <i>globosa</i> Rock	'oha-wai	Endemic	shrub, tree	3
<i>Clermontia parviflora</i> Gaud. ex Gray	'oha-wai	Endemic	shrub, tree	3
<i>Clermontia peleana</i> Rock	'oha-wai	Endemic (R)	shrub, tree	3
<i>Cyanea densiflora</i> (Rock) Rock*		Endemic (R)	shrub	3
<i>Cyanea floribunda</i> E. Wimm.*		Endemic (R)	shrub	3
<i>Cyanea longipedunculata</i> Rock*		Endemic (R)	shrub	3
<i>Cyanea pilosa</i> Gray*		Endemic (R)	shrub	3
<i>Cyanea tritomantha</i> Gray	'aku'aku	Endemic (R)	shrub	3
<i>Trematolobelia wimmeri</i> Deg. & Deg.* +	koli'i	Endemic (R)	shrub	3
LOGANIACEAE:				
Strychnine Family				
<i>Buddleja asiatica</i> Lour.*	Asiatic butterfly bush	Alien	shrub	2,3,4
<i>Buddleja davidii</i> Franch.	summer lilac	Alien	shrub	7
<i>Labordia baillonii</i> St. John *	kamakahala	Endemic (R)	shrub	3
<i>Labordia hedyosmifolia</i> Baill.	kamakahala	Endemic	shrub	3
var. <i>grayana</i> (Hbd.) Sherff*				
<i>Labordia hedyosmifolia</i> Baill.	kamakahala	Endemic (R)	shrub	3,4
var. <i>kilaueana</i> Sherff*				

Labordia hedyosmifolia Baill. var. magnifolia Deg. & Sherff* Polypremum procumbens L. +	kamakahala	Endemic (R) Alien	shrub herb	3 8
LORANTHACEAE:				
Mistletoe Family Korthalsella complanata (v. Tiegh.) Engler Korthalsella cylindrica (v. Tiegh.) Engler	hulu-moa hulu-moa	Endemic Endemic	parasitic parasitic	2,3,4,5 3
LYTHRACEAE:				
Loosestrife Family Cuphea carthagenensis (Jacq.) Macbride Cuphea hyssopifolia HBK.* + Cuphea ignea A. DC. Lythrum maritimum HBK.*	tarweed hyssop cuphea cigar flower pukamole	Alien Alien Alien Alien	herb herb herb herb	2,3,4 2,7,8 7 2,3,4,5
MAGNOLIACEAE:				
Magnolia Family Magnolia grandiflora L.	southern magnolia	Alien	tree	7
MALVACEAE:				
Mallow Family Abutilon grandifolium (Willd.) Sweet Abutilon pictum Gill. ex Walp. Althaea rosea L. Hibiscadelphus gifardianus Rock Hibiscadelphus hualalaiensis Rock Hibiscadelphus x puakuahiwi K. Baker & S. Allen + Hibiscus rosa-sinensis L. Hibiscus tiliaceus L. Hibiscus youngianus Gaud. ex H. & A.*	hairy abutilon egg hibiscus hollyhock hau-kuahiwi hau-kuahiwi red hibiscus hau hau-hele	Alien Alien Alien Endemic (R) Endemic (R) (C) Endemic (C) Alien Indigenous Endemic	shrub shrub herb tree tree tree shrub shrub, tree shrub	1,2,4 7 7 4 4 (planted) 4 7 1,2,7 7

TAXON	COMMON NAME	STATUS	LIFE FORM	ECOL. ZONE
<i>Kokia drynarioides</i> (Seem.) Lewt.	hau-hele'ula, koki'o	Endemic	tree	2,4 (planted)
<i>Malva parviflora</i> L.	little mallow	Alien	herb	1,2
<i>Malvastrum coromandelianum</i> (L.) Garcke	false mallow	Alien	herb	1,2,3,4
<i>Modiola caroliniana</i> (L.) G. Don	modiola	Alien	herb	2,4
<i>Sida cordifolia</i> L.*	'ilima	Indigenous	shrub	1,2
<i>Sida fallax</i> Walp.	'ilima	Indigenous	shrub	1,2
<i>Sida rhombifolia</i> L.	Cuba jute	Alien	shrub	1,2
<i>Thespesia populnea</i> (L.) Soland. ex Correa	milo	Poly. Intro.	tree	1
MELASTOMATACEAE:				
Melastoma Family				
<i>Pterolepis glomerata</i> (Rottb.) Miq.		Alien	herb	2
<i>Heterocentron subtriplinervium</i> (Link & Otto) A. Br. & Bouché	pearl flower	Alien (D)	shrub	3,8
<i>Melastoma malabathricum</i> L.*	Malabar melastome	Alien (D)	shrub	3
<i>Tibouchina urvilleana</i> (DC.) Cogn.	lasiandra, glorybush	Alien (D)	shrub, tree	3,7,8
MELIACEAE:				
Mahogany Family				
<i>Melia azedarach</i> L.	pride of India	Alien	tree	2
MENISPERMACEAE:				
Moonseed Family				
<i>Cocculus ferrandianus</i> Gaud.*	huehue	Endemic	vine	2,3,4

MORACEAE:					
Mulberry Family					
<i>Artocarpus altalis</i> (Parkins. ex Z.) Fosb.	'ulu, breadfruit				1,2
<i>Broussonetia papyrifera</i> (L.) Vent.	wauke				2
<i>Cannabis sativa</i> L.*	marijuana,				
<i>Ficus carica</i> L.	pakalolo	Alien (C)	herb, shrub		7
<i>Ficus pumila</i> L.	common fig	Alien	shrub		7
var. <i>minima</i> (Hort.) Bailey	creeping fig	Alien	vine		7
<i>Ficus pumila</i> L.	var. <i>pumila</i>				
<i>Ficus macrophylla</i> Desf.	creeping fig	Alien	vine		3,7
<i>Morus alba</i> L. f. <i>tatarica</i> (L.) Loudon*	Moreton Bay fig	Alien	tree		7
	wild mulberry	Alien	shrub, tree		7
MYOPORACEAE:					
Naio Family					
<i>Myoporum sandwicense</i> Gray	naio	Indigenous	tree		1,2,3,4,5
var. <i>fauriei</i> (Lévl.) Kraenzlin*					
MYRICACEAE:					
Myrica Family					
<i>Myrica faya</i> Ait.	firetree	Alien (D)	shrub, tree		2,3,4
MYRSINACEAE:					
Myrsine Family					
<i>Ardisia crispa</i> (Thunb.) A. DC.*	hens eye,				
	Hilo holly	Alien (C)	shrub		7
	killioe	Endemic (R)	vine		3,4
	kolea	Endemic (R)	tree		2
	kolea-lau-nui	Endemic	tree		2,3,4
	kolea-lau-li'i	Endemic	shrub, tree		2,3

TAXON	COMMON NAME	STATUS	LIFE FORM	ECOL. ZONE
MYRTACEAE:				
Myrtle Family				
<i>Callistemon rigidus</i> R. Br.	bottle brush	Alien	tree	7
<i>Eucalyptus globulus</i> Labill.	blue gum	Alien	tree	2,7
<i>Eucalyptus robusta</i> Sm.	swamp mahogany	Alien	tree	7
<i>Eugenia cumini</i> (L.) Druce*	Java plum	Alien (D)	tree	1,2
<i>Eugenia jambos</i> L.*	rose apple	Alien (C)	tree	2,3
<i>Eugenia malaccensis</i> L.*	'ohi'a-'ai	Poly. Intro.	tree	2
<i>Feijoa sellowiana</i> Berg.	guavasteen	Alien (C)	tree	2,7
<i>Leptospermum scoparium</i> J. R. & G. Forst.	manuka	Alien (D)	shrub	7
<i>Melaleuca leucadendra</i> (Stickm.) L.*	paper bark	Alien (D) (C)	tree	2,7
<i>Metrosideros polymorpha</i> Gaud. var. <i>glaberrima</i> (Lévl.) St. John +	'ohi'a-lehua	Endemic	tree	2,3,4
<i>Metrosideros polymorpha</i> Gaud. var. <i>incana</i> (Lévl.) Rock +	'ohi'a-lehua	Endemic	shrub, tree	1,2,3,4
<i>Metrosideros polymorpha</i> Gaud. var. <i>macrophylla</i> (Rock) St. John +	'ohi'a-lehua	Endemic	tree	3
<i>Metrosideros polymorpha</i> Gaud. var. <i>nuda</i> Skottsb.* +	'ohi'a-lehua	Endemic	tree	5
<i>Metrosideros polymorpha</i> Gaud. var. <i>polymorpha</i>	'ohi'a-lehua	Endemic	tree	2,3,4,5
<i>Psidium cattleianum</i> Sabine f. <i>cattleianum</i>	strawberry guava	Alien (D)	shrub, tree	1,2,3,4
<i>Psidium cattleianum</i> Sabine var. <i>littorale</i> (Raddi) Fosb.*	waiawi	Alien	tree	1
<i>Psidium guajava</i> L.	guava	Alien (D)	shrub, tree	1,2,3
<i>Psidium guajava</i> L. f. <i>cujavillus</i> (Burm. f.) Deg. & Deg.*	Dr. Rant's guava	Alien	shrub, tree	1

NYCTAGINACEAE:

Four o'clock Family

Boerhavia diffusa L.*	alena	Indigenous	herb	1
Bougainvillea glabra Choisy	lesser bougainvillea	Alien	shrub, vine	7
Mirabilis jalapa L.	common			
	four o'clock	Alien	shrub	1
Pisonia brunoniana Endl.	papala-kepau	Indigenous	tree	3,4
Pisonia umbellifera (J.R. & G. Forst.) Seem.	papala-kepau	Indigenous	tree	unknown

OLEACEAE:

Olive Family

Fraxinus americana L.*	white ash	Alien (C)	tree	2,7
Fraxinus uhdei (Wenzig) Lingelsh.	tropical ash	Alien (C)	tree	2,7
Jasminum humile L.	Italian jasmine	Alien	shrub	7
Jasminum multiflorum (Burm. f.) Andr.	star jasmine	Alien	shrub	7
Ligustrum ovalifolium Hassk.	California privet	Alien	shrub	7
Ligustrum vulgare L. +	privet	Alien	shrub	3,7
Linociera ligustrina Sw.*	Russian olive	Alien (D)	shrub, tree	2,7
Olea europaea L.	olive	Alien	tree	7
Osmanthus sandwicensis (Gray) Knobl.*	olopua	Endemic	tree	4

ONAGRACEAE:

Evening primrose Family

Epilobium adenocaulon Haussk.*		Alien	herb	3,4,5
Epilobium cinereum A. Rich*	willow herb	Alien	herb	4,5
Fuchsia arborescens Sims.*	fuchsia	Alien (C)	shrub	3,7
Fuchsia magellanica Lam.	fuchsia	Alien	shrub	3,7
Fuchsia x hybrida Hort. ex Vilm.	fuchsia	Alien	shrub	7
Ludwigia octovalvis (Jacq.) Raven +	kamole	Poly. Intro.	herb, shrub	3
Ludwigia palustris (L.) Ell.	water purslane	Alien	herb	3
Oenothera laciniata Hill	evening primrose	Alien	herb	7
Oenothera speciosa Nutt.				
var. childsii (Bailey) Munz		Alien	herb	4,7
Oenothera stricta Ledeb.	evening primrose	Alien	herb	4,5

TAXON	COMMON NAME	STATUS	LIFE FORM	ECOL. ZONE
OXALIDACEAE:				
Wood sorrel Family				
<i>Oxalis corniculata</i> L.				
var. <i>corniculata</i> +				
<i>Oxalis corniculata</i> L.	lady's sorrel	Poly. Intro.	herb	1,2,3,4
var. <i>viscidula</i> Wieg.*	sticky sorrel	Alien	herb	2
<i>Oxalis martiana</i> Zucc.*	pink wood sorrel	Alien	herb	3,4,5
PAPAVERACEAE:				
Poppy Family				
<i>Argemone glauca</i> Pope*				
<i>Argemone glauca</i> Pope	pua-kala	Endemic	herb	1,2,4,5
var. <i>inermis</i> Deg. & Deg.*				
<i>Eschscholtzia californica</i> Cham.	pua-kala California poppy	Endemic (R) Alien	herb herb	1 7
PASSIFLORACEAE:				
Passion flower Family				
<i>Passiflora edulis</i> Sims				
<i>Passiflora foetida</i> L.	liliko'i scarlet-fruited	Alien	vine	2,3
	passionflower			
<i>Passiflora ligularis</i> Juss.	sweet granadilla	Alien	vine	1,2
<i>Passiflora mollissima</i> (HBK.) Bailey	banana poka	Alien (D) Alien (D)	vine vine	3,4 3
PHYTOLACCACEAE:				
Pokeberry Family				
<i>Phytolacca sandwicensis</i> Endl.	popolo-ku-mai	Endemic	shrub	3,4
var. <i>sandwicensis</i>				

PIPERACEAE:

Pepper Family

Peperomia cookiana C. DC.	'ala'ala-wai-nui	Endemic	herb	3,4
Peperomia expallescens C. DC. var. expallescens	'ala'ala-wai-nui	Endemic	herb	3
Peperomia expallescens C. DC. var. brevopilosa Yunker*	'ala'ala-wai-nui	Endemic (R)	herb	3
Peperomia hawaiiensis C. DC.*	'ala'ala-wai-nui	Endemic	herb	3
Peperomia hypoleuca Miq. var. hypoleuca	'ala'ala-wai-nui	Endemic	herb	3
Peperomia hypoleuca Miq. var. pluvigaudens (C. DC.) Yunker*	'ala'ala-wai-nui	Endemic	herb	3,4
Peperomia latifolia Miq.	'ala'ala-wai-nui	Endemic	herb	3
Peperomia leptostachya H. & A.	'ala'ala-wai-nui	Indigenous	herb	1,2,3,4
Peperomia lilifolia C. DC. var. obtusata Yunker*	'ala'ala-wai-nui	Endemic (R)	herb	3
Peperomia macraeana C. DC.	'ala'ala-wai-nui	Endemic	herb	3
Peperomia membranacea H. & A. var. puukukuiana Yunker*	'ala'ala-wai-nui	Endemic	herb	3
Peperomia tetraphylla (Forst. f.) H. & A. var. parvifolia (C. DC.) Deg. & Deg.*	'ala'ala-wai-nui	Indigenous	herb	1,2,3,4

PITTOSPORACEAE:

Pittosporum Family

Pittosporum confertiflorum Gray	ho'awa	Endemic	tree	2,4,5
Pittosporum hawaiiense Hbd.	ho'awa, 'a'awa	Endemic (R)	tree	4
Pittosporum hosmeri Rock var. longifolium Rock*	ho'awa, 'a'awa-hua-kukui	Endemic (R)	tree	4
Pittosporum hosmeri Rock var. saint-johnii Sherff*	ho'awa	Endemic	tree	4 (planted)
Pittosporum kilaueae St. John* +	ho'awa	Endemic	tree	2
Pittosporum sulcatum Sherff var. remyi Sherff*		Endemic (R)	tree	2 (planted?)

TAXON	COMMON NAME	STATUS	LIFE FORM	ECOL. ZONE
<i>Pittosporum terminalioides</i> Planch. ex Gray	ho'awa	Endemic	tree	2,4
<i>Pittosporum tobira</i> (Thunb.) Ait. f.	Japanese pittosporum	Alien	tree	7
<i>Pittosporum undulatum</i> Vent.	orange pittosporum	Alien	tree	2,3,7
<i>Pittosporum</i> sp.		Alien	tree	7
PLANTAGINACEAE:				
Plantain Family				
<i>Plantago aristata</i> Michx.	bracted plantain	Alien	herb	2,8
<i>Plantago australis</i> Lam. +		Alien	herb	3,4,5
<i>Plantago hawaiiensis</i> (Gray) Pilger	narrow-leaved plantain	Endemic (R)	herb	5
<i>Plantago lanceolata</i> L.				
<i>Plantago major</i> L.	common plantain	Alien	herb	3,4,5
<i>Plantago virginica</i> L.*	dwarf plantain	Alien	herb	1,2,3,4,8
		Alien	herb	4
PLUMBAGINACEAE:				
Leadwort Family				
<i>Plumbago auriculata</i> Lam.	blue plumbago	Alien	shrub	7
<i>Plumbago zeylanica</i> L.	'ilie'e	Indigenous (R)	shrub	1
POLEMONIACEAE:				
Phlox Family				
<i>Phlox drummondii</i> Hook.	phlox	Alien	herb	7
POLYGALACEAE:				
Polygala Family				
<i>Polygala paniculata</i> L. +		Alien	herb	1

POLYGONACEAE:					
Buckwheat Family					
Muehlenbeckia axillaris (Hook. f.) Walp.	wire plant	Alien (C)	vine	7	
Polygonum capitatum Ham. ex Don	water smartweed	Alien	herb	2,3,7,8	
Polygonum punctatum Ell.	rhubarb	Alien	herb	3	
Rheum rhaponticum L.	sheep sorrel	Alien	herb	7	
Rumex acetosella L.	yellow dock	Alien	herb	3,4,5	
Rumex crispus L.	pawale	Alien	herb	8	
Rumex giganteus Ait.	pawale	Endemic (R)	shrub, vine	3,4	
Rumex skottsbergii Deg. & Deg.	pawale	Endemic	shrub	2,4	
PORTULACACEAE:					
Purslane Family					
Portulaca cyanosperma Egler*	'ihi	Endemic	herb	1,2	
Portulaca hawaiiensis Deg.*	Hawai'i portulaca	Endemic (R)	herb	1	
Portulaca oleracea L.	common purslane	Alien	herb	1,2,8	
Portulaca sclerocarpa Gray	'ihi-makole	Endemic (R)	herb	2	
PRIMULACEAE:					
Primrose Family					
Anagallis arvensis L. var. arvensis	scarlet pimpernel	Alien	herb	2,3,4,5	
PROTEACEAE:					
Silk Oak Family					
Grevillea robusta A. Cunn.	silver oak, silk oak	Alien (D)	tree	2	
Macadamia ternifolia F. Muell. var. integrifolia (Maiden & Betsche) Maiden & Betsche	macadamia nut	Alien	tree	7	
RANUNCULACEAE:					
Buttercup Family					
Anemone hupehensis (Lem. & Lem. f.) Lem. & Lem. f.	Hupeh anemone	Alien (D)	herb	2,3	

TAXON	COMMON NAME	STATUS	LIFE FORM	ECOL. ZONE
Delphinium sp.	larkspur	Alien	herb	7
Ranunculus muricatus L.	spring buttercup	Alien	herb	4
Ranunculus repens L.	creeping buttercup	Alien	herb	3,4
RESEDACEAE				
Reseda sp.	mignonette	Alien	herb	7
RHAMNACEAE:				
Buckthorn Family				
Alphitonia ponderosa Hbd.	kauila, kauwila	Endemic (R)	tree	2; 4 (planted)
ROSACEAE:				
Rose Family				
Cotoneaster pannosa Franch.	silverleaf cotoneaster	Alien	shrub	7
Cydonia oblonga Mill.	quince	Alien	tree	7
Eriobotrya japonica (Thunb.) Lindl.	loquat	Alien (C)	shrub, tree	2,3,7
Fragaria chiloensis (L.) Duch. var. sandwicensis Deg. & Deg.*	'ohelo-papa	Endemic (R)	herb	5
Fragaria vesca L. f. alba (Ehrh.) Rydb.*	European strawberry	Alien	herb	2,3,4
Osteomeles anthyllidifolia (Sm.) Lindl.	'ulei	Indigenous	vine, shrub	1,2,4,5
Prunus cerasus L.	sour cherry	Alien	tree	7
Prunus persica (L.) Batsch.	peach	Alien	shrub, tree	4,7
Pyracantha angustifolia (Franch.) Schneid.	firethorn	Alien	shrub, tree	3,7
Pyracantha crenati-serrata (Hance) Rehd.	small firethorn	Alien	shrub, tree	3,7
Pyrus malus L.	apple	Alien	tree	7

Rosa laevigata Michx.	Cherokee rose	Alien	shrub	7
Rosa multiflora Thunb.	white rose	Alien	shrub	7
Rosa rubrifolia Vill.		Alien	shrub	7
Rosa sp.		Alien	shrub	7
Rosa x polyantha Hort.		Alien	shrub	7
Rubus ellipticus Sm.	yellow Himalayan	Alien	shrub	3
Rubus glaucus Benth.	raspberry	Alien (D)	shrub	3
Rubus hawaiiensis Gray	raspberry	Alien (D)	shrub	3,4,5
Rubus macraei Gray	'akala	Endemic	vine	5
Rubus penetrans Bailey*	'akala	Endemic (R)		
Rubus rosaefolius Sm.*	prickly Florida	Alien (D)	shrub	2,3,4
Rubus ulmifolius Schott	raspberry	Alien	shrub	2,3,4,5
var. inermis (Willd.) Focke	thimbleberry	Alien		
Spiraea cantoniensis Lour.	Chinese spiraea	Alien	shrub	3,7
Spiraea japonica L. f.	Japanese spiraea	Alien	shrub	7
		Alien	shrub	7
RUBIACEAE:				
Coffee Family				
Bobea timonioides (Hook. f.) Hbd.	'ahakea	Endemic (R)	tree	2
Canthium odoratum (Forst. f.) Seem.	alaha'e	Indigenous	shrub, tree	1,2
Coprosma cymosa Hbd.	pilo	Endemic	tree	4
Coprosma ernodeoides Gray	kukae-nene	Endemic	shrub	2,4,5
Coprosma menziesii Gray	pilo	Endemic	shrub, tree	2
Coprosma montana Hbd.	pilo	Endemic	shrub, tree	5
Coprosma ochracea Oliver				
var. rockiana Oliver*	pilo	Endemic	shrub, tree	3,4
Coprosma rhynchocarpa Gray	pilo	Endemic	shrub, tree	3,4
Gouldia hillebrandii Fosb.*	manono	Endemic	tree	3
Gouldia terminalis (H. & A.) Hbd.				
var. antiqua Fosb. f. acuta Fosb.*	manono	Endemic	tree	3,4
Gouldia terminalis (H. & A.) Hbd.				
var. antiqua Fosb. f. antiqua Fosb.*	manono	Endemic	tree	3

TAXON	COMMON NAME	STATUS	LIFE FORM	ECOL. ZONE
Gouldia terminalis (H. & A.) Hbd. var. antiqua Fosb. f. kauensis Fosb.*	manono	Endemic	tree	2
Gouldia terminalis (H. & A.) Hbd. var. forbesii Fosb.*	manono	Endemic	tree	3
Gouldia terminalis (H. & A.) Hbd. var. hosakae Fosb.*	manono	Endemic	tree	2
Gouldia terminalis (H. & A.) Hbd. var. kapuaensis Fosb. f. pittosporoides Fosb.*	manono	Endemic	tree	3
Gouldia terminalis (H. & A.) Hbd. var. kapuaensis Fosb. f. rigidifolia Fosb.*	manono	Endemic	tree	3
Gouldia terminalis (H. & A.) Hbd. var. konaensis Fosb. f. konaensis Fosb.*	manono	Endemic	tree	2,4
Gouldia terminalis (H. & A.) Hbd. f. konaensis x rigidifolia	manono	Endemic	tree	3
Hedyotis centranthoides (H. & A.) Steud. f. centranthoides (H. & A.) Steud.		Endemic	shrub	2,3
Hedyotis centranthoides (H. & A.) Steud. var. centranthoides f. diffusa Fosb.*		Endemic	shrub	3,4
Luculia gratissima Sweet		Alien (C)	tree	3,7
Morinda citrifolia L.	noni	Poly. Intro.	shrub	1
Nertera granadensis (L. f.) Druce var. insularis Skottsbo.*	makole	Indigenous	herb	3
Paederia foetida L.*	maile-pilau	Alien (D)	vine	8
Pentas lanceolata (Forsk.) K. Schum.	pentas	Alien	herb, shrub	7

<i>Psychotria hawaiiensis</i> (Gray) Fosb. var. <i>hawaiiensis</i>	kopiko	Endemic	shrub, tree	2,3
<i>Psychotria hawaiiensis</i> (Gray) Fosb. var. <i>hillebrandii</i> (Rock) Fosb.	kopiko	Endemic	shrub, tree	3,4
<i>Richardia brasiliensis</i> Gomes		Alien	herb	1,2,8
<i>Spermacoce</i> sp. +		Alien	herb	2,8
RUTACEAE:				
Citrus Family				
<i>Citrus limonia</i> Osbeck	lemon	Alien	shrub, tree	7
<i>Citrus sinensis</i> (L.) Osbeck	orange	Alien	shrub, tree	7
<i>Pelea clusiaefolia</i> Gray subsp. <i>clusiaefolia</i> var. <i>cuneata</i> St. John & Hume*	alani	Endemic	shrub, tree	3
<i>Pelea hawaiiensis</i> Wawra var. <i>gaudichaudii</i> (St. John) Stone*	manena	Endemic (R)	shrub, tree	4
<i>Pelea kilaueaensis</i> St. John*	alani	Endemic	tree	4
<i>Pelea lanceolata</i> St. John & Hume*	alani	Endemic	tree	4
<i>Pelea pickeringii</i> St. John*	alani	Endemic (R)	shrub	2
<i>Pelea pseudoanisata</i> Rock var. <i>oblanceolata</i> (St. John) Stone*	alani	Endemic	shrub, tree	3,4
<i>Pelea pseudoanisata</i> Rock var. <i>pseudoanisata</i>	alani	Endemic	tree	4
<i>Pelea puauensis</i> St. John*	alani	Endemic (R)	shrub, tree	4
<i>Pelea radiata</i> St. John	alani	Endemic	shrub, tree	3,4
<i>Pelea volcanica</i> Gray	alani	Endemic	tree	2,4
<i>Pelea zahlbruckneri</i> Rock	alani	Endemic (R)	shrub, tree	4
<i>Platydesma spathulata</i> (Gray) Stone	pilo-kea	Endemic (R)	shrub	3
<i>Zanthoxylum dipetalum</i> Mann var. <i>geminicarpum</i> Rock*	kawa'u	Endemic (R)	tree	4
<i>Zanthoxylum hawaiiense</i> Hbd. var. <i>velutinosum</i> Rock*	a'e	Endemic (R)	tree	4
<i>Zanthoxylum maviense</i> Mann var. <i>anceps</i> Rock f. <i>petiolulata</i> Rock*	a'e	Endemic (R)	tree	4

TAXON	COMMON NAME	STATUS	LIFE FORM	ECOL. ZONE
SALICACEAE:				
Willow Family				
Salix sp.	willow	Alien	tree	7
SANTALACEAE:				
Sandalwood Family				
Exocarpus gaudichaudii A. DC.*	heau	Endemic (R)	shrub	2
Exocarpus menziesii Stauffer*	heau	Endemic (R)	shrub	5
Santalum paniculatum H. & A.	'ili-ahi, sandalwood	Endemic	shrub, tree	2,4
SAPINDACEAE:				
Soapberry Family				
Cardiospermum halicacabum L.	balloon vine	Alien	vine	2,7
Dodonaea eriocarpa Sm.*	'a'ali'i	Endemic	shrub	2,4,5
Dodonaea eriocarpa Sm. var. hosakana Sherff*	'a'ali'i	Endemic	shrub	2
Dodonaea eriocarpa Sm. var. skottsbergii Sherff*	'a'ali'i	Endemic (R)	tree	5
Dodonaea sandwicensis Sherff*	'a'ali'i	Endemic	shrub, tree	1,2,4
Dodonaea viscosa Jacq. var. arborescens (Cunn. ex Hook.) Sherff f. spatulata (Sm.) Sherff*	'a'ali'i	Indigenous	shrub, tree	2,4
Sapindus saponaria L. f. inequalis (DC.) Radlk.*	maneie, soapberry	Indigenous (R)	tree	4
SAPOTACEAE:				
Sapodilla Family				
Mimusops elengi L.	elengi	Alien	tree	7
Planchonella sp.*	aulu, 'ala'a	Endemic	tree	4 (planted)

SAXIFRAGACEAE (HYDRANGEACEAE):

Saxifrage Family

Broussaisia arguta Gaud.				
var. arguta	pu'aha-nui,			
f. ternata Forbes ex Skottsb.	kanawao	Endemic	shrub	3,4
Broussaisia arguta Gaud.				
var. pellucida (Gaud.) Fosb.*	pu'aha-nui	Endemic	shrub	3
Escallonia macrantha H. & A.	escallonia	Alien	shrub	7
Hydrangea macrophylla (Thunb.) Ser.				
f. caerulea (Hook.) Wils.	hydrangea	Alien	shrub	7
Philadelphus sp.	mock orange	Alien	shrub	7

SCROPHULARIACEAE:

Figwort Family

Antirrhinum majus L.	snapdragon	Alien	herb	7
Asarina erubescens (D. Don) Pennell*	larger			
	roving sailor	Alien	vine	3,7
Castilleja arvensis Schlecht. & Cham.	Indian paintbrush	Alien	herb	2,3,4
Digitalis purpurea L.	common foxglove	Alien	herb	7
Hebe x andersonii (Lindl. & Paxt.) Cock.		Alien	shrub	7
Hebe stricta (Benth.) L.B. Moore var. stricta		Alien	shrub	7
Linaria bipartita Willd.	toadflax	Alien	herb	7
Linaria texana Scheele*	blue toadflax	Alien	herb	2,4
Lindernia crustacea (L.) F. Muell.	false pimpernel	Alien	herb	2
Orthocarpus purpurascens Benth.	owls-clover	Alien	herb	5
Penstemon cobeia Nutt.	beard-tongue	Alien	herb	7
Torenia fournieri Linden ex Fourn.	'Ola'a beauty	Alien	herb	3
Verbascum thapsus L.	common mullein	Alien (D)	herb	5,8
Verbascum virgatum Stokes ex With.	virgate mullein	Alien	herb	4,7
Veronica peregrina L. +	necklace weed	Alien	herb	4
Veronica plebeia R. Br.	common speedwell	Alien	herb	2,3,4,5
Veronica serpyllifolia L.	thyme-leaved speedwell	Alien	herb	2,3,4,5,6

TAXON	COMMON NAME	STATUS	LIFE FORM	ECOL. ZONE
SOLANACEAE:				
Nightshade Family				
<i>Capsicum annuum</i> L.	red pepper	Alien	herb, shrub	7
<i>Cestrum aurantiacum</i> Lindl.	orange cestrum	Alien	shrub	7
<i>Cestrum nocturnum</i> L.	night cestrum	Alien	shrub	7
<i>Lycium sandwicense</i> Gray	'ohelo-kai	Indigenous	shrub	1
<i>Lycopersicon esculentum</i> Mill.	tomato	Alien	herb	2,7
<i>Nicandra physalodes</i> (L.) Gaertn.	apple-of-Peru	Alien	shrub	1,2,7
<i>Nicotiana tabacum</i> L.	tobacco	Alien	shrub	1,2
<i>Nothocestrum brevifolium</i> Gray	'aiea	Endemic (R)	shrub, tree	2; 4 (planted)
<i>Nothocestrum longifolium</i> Gray	'aiea	Endemic (R)	shrub, tree	3,4
<i>Physalis peruviana</i> L.	cape gooseberry, poha	Alien	herb	2,3,4
<i>Solanum muricatum</i> Ait.	pepino	Alien	herb, shrub	7
<i>Solanum nigrum</i> L.*	popolo	Indigenous	shrub	1,2,3,4
<i>Solanum pseudocapsicum</i> L.	Jerusalem cherry	Alien (D)	shrub	4
<i>Streptosolen jamesonii</i> (Benth.) Miers	streptosolen	Alien	shrub	7
STERCULIACEAE:				
Cocoa Family				
<i>Melochia umbellata</i> (Houtt.) Stapf.	melochia	Alien (D) (C)	tree	8
<i>Waltheria americana</i> L.*	hi'aloa, 'uha-loa	Indigenous	shrub	1,2
THEACEAE:				
Tea Family				
<i>Camellia japonica</i> L.	camellia	Alien	shrub, tree	7
<i>Camellia sinensis</i> (L.) Ktze.	tea	Alien	shrub	7
<i>Eurya sandwicensis</i> Gray	anini, wanini	Endemic (R)	shrub, tree	3

THYMELAEACEAE:

'Akia Family				
Wikstroemia phillyreaefolia Gray	'akia	Endemic	shrub	2,3
var. phillyreaefolia*				
Wikstroemia phillyreaefolia Gray	'akia	Endemic	shrub	2,3,4
var. buxifolia (Gray) Skottsb.*				
Wikstroemia sandwicensis Meisn. in A. DC.	'akia	Endemic	shrub	1,2,3,4

TILLIACEAE:

Linden Family				
Triumfetta semitriloba (L.) Jacq.*	burubush	Alien	shrub	2

TROPAEOLACEAE:

Nasturtium Family				
Tropaeolum majus L.	nasturtium	Alien (D)	herb, vine	4,7

UMBELLIFERAE (APIACEAE):

Carrot Family				
Apium graveolens L.	celery	Alien	herb	7
Centella asiatica (L.) Urban	Asiatic pennywort	Alien	herb	2,3,4
Daucus carota L.	carrot	Alien	herb	7
Daucus pusillus Michx.	American carrot	Alien	herb	2
Hydrocotyle sibthorpioides Lam.	marsh pennywort	Alien	herb	3
var. oedipoda Deg. & Greenw.*	whorled marsh			
Hydrocotyle verticillata Thunb.	pennywort	Alien	herb	3
Pastinaca sativa L.	parsnip	Alien	herb	7
Petroselinum crispum (Mill.) Nym.*	parsley	Alien	herb	2,7
Spermolepis hawaiiensis Wolff		Endemic (R)	herb	2,5

UIMACEAE:

Elm Family				
Trema orientalis (L.) Bl.	gunpowder tree	Alien (D) (C)	tree	8
Ulmus sp.	elm	Alien	tree	7

TAXON	COMMON NAME	STATUS	LIFE FORM	ECOL. ZONE
URTICACEAE:				
Nettle Family				
<i>Neraudia ovata</i> Gaud.		Endemic (R)	shrub, tree	2
<i>Pilea microphylla</i> (L.) Liebm.		Alien	herb	7
<i>Pipturus albidus</i> (H. & A.) Gray in Mann	mamaki	Endemic	shrub, tree	2,3,4
<i>Touchardia latifolia</i> Gaud.	olona	Endemic (R)	shrub	3
<i>Urera sandvicensis</i> Wedd.*	opuhe	Endemic (R)	shrub, tree	3,4
VERBENACEAE:				
Verbena Family				
<i>Lantana camara</i> L. var. <i>camara</i>	lantana	Alien (D)	shrub	1,2,3
<i>Lantana montevidensis</i> (Spreng.) Briq.	trailing lantana	Alien	shrub, vine	7
<i>Stachytarpheta cayennensis</i> (L.C. Rich.) Vahl*	Cayenne vervain	Alien	herb, shrub	1,2,3,4
<i>Stachytarpheta jamaicensis</i> (L.) Vahl	Jamaica vervain, oi	Alien	herb, shrub	2,3,4
<i>Verbena litoralis</i> HBK.	weed verbena, oi	Alien	herb	1,2,3,4
<i>Verbena x hybrida</i> Voss	garden verbena	Alien	herb	7
VIOLACEAE:				
Violet Family				
<i>Viola odorata</i> L.	violet	Alien	herb	7
VITACEAE:				
Grape Family				
<i>Cissus discolor</i> Bl.	mottled cissus	Alien	vine	7
<i>Vitis</i> sp.	grape	Alien	vine	7

APPENDIX A
LIST OF EQUIVALENT NAMES
(Names Used in Checklist vs. Names According to Other Authorities)

FERNS

<u>LAMOUREUX</u> (as in checklist)	<u>W. H. WAGNER (1981)</u>
Adiantum raddianum	Adiantum cuneatum Langsd. & Fisch.
Arachniodes carvifolia	Rumohra carvifolia (Kze.) Ching
Asplenium contiguum Kaulf.	Asplenium contiguum Lam.
Asplenium polyodon	Asplenium falcatum Lam.
Asplenium rhipidoneuron	Asplenium praemorsum Sw.
Athyriopsis japonica	Athyrium japonicum (Thunb.) Copel.
Diplazium esculentum	Athyrium esculentum (Retz.) Copel.
Diplazium sandwichianum	Athyrium sandwichianum Presl
Diplopterygium pinnatum	Hicriopteris pinnata (Kunze) Ching
Doryopteris decipiens (Hook.) J. Sm.	Doryopteris decipiens (Smith.) Hook.
Dryopteris wallichiana	Dryopteris paleacea (Sw.) C. Chr.
Grammitis hookeri (Brack.) Copel.	Grammitis hookeri (Kaulf.) Copel.
Ophioglossum pendulum L. subsp. falcatum (Presl) Clausen	Ophioglossum pendulum L.
Nephrolepis multiflora	Nephrolepis hirsutula (Forssk.) Presl
Phymatosorus scolopendria	Microsorium scolopendrium (Burm.) Copel.
Polypodium pellucidum	Polypodium pellucidum Kaulf. var. pellucidum Polypodium pellucidum Kaulf. var. vulcanicum Skottsb.
Selaginella arbuscula	Selaginella menziesii Spring.
Sphenomeris chinensis	Sphenomeris chusana (L.) Copel.

APPENDIX A, continued.

MONOCOTYLEDONS

<u>ST. JOHN (1973) (as in checklist)</u>	<u>WAGNER, HERBST, and SOHMER</u>
Andropogon aristatus	Dicanthium aristatum (Poir.) Hubb.
Andropogon glomeratus	Schizachyrium condensatum (Kunth) Nees
Andropogon pertusus	Bothriolchloa pertusa (L.) A. Camus
Arundina bambusaefolia	Arundina graminifolia (D. Don) Hochr.
Axonopus affinis	Axonopus fissifolius (Raddi) Kuhlmann
Bromus catharticus	Bromus willdenowii Kunth
Carex macloviana D'Urv. var. subfusca (W. Boott) Kuek.	Carex macloviana Dum. d'Urv. subsp. subfusca (W. Boott) T. Koyama
Carex wahuensis var. rubiginosa R.W. Krauss	Carex wahuensis C.A. Mey. subsp. rubiginosa (R. Krauss) T. Koyama
Cenchrus echinatus var. hillebrandianus	Cenchrus echinatus L.
Chloris inflata	Chloris barbata (L.) Sw.
Cordyline terminalis	Cordyline fruticosa (L.) A. Chev. transferred to Agavaceae
Costus speciosus (Koenig in Retz.) Sm.	Costus speciosus (J. König) Sm., transferred to Costaceae
Cyperus brevifolius	Kyllinga brevifolia Rottb.
Cyperus difformis	Cyperus difformis L.
Cyperus haspan	Cyperus halpan L.
Cyperus hillebrandii	Mariscus hillebrandii (Boeck.) T. Koyama
Cyperus javanicus	Mariscus javanicus (Houtt.) Merr. & Metcalfe
Cyperus kyllinga	Kyllinga nemoralis (J.R. Forster & G. Forster) Dandy ex Hutchinson & Dalziel
Cyperus phleoides var. hawaiiensis	Mariscus phleoides Nees ex Kunth subsp. hawaiiensis (H. Mann) T. Koyama
Cyperus polystachyus	Pycerus polystachyos (Rottb.) P. Beauv.
Deschampsia australis	Deschampsia nubigena Hillbr.
Digitaria adscendens	Digitaria ciliaris (Retz.) Koeler
Digitaria decumbens	Digitaria pentzii Stent
Digitaria pruriens	Digitaria setigera Roth, Indigenous?
Digitaria sanguinalis	Digitaria ciliaris (Retz.) Koeler
Dracaena hawaiiensis	Pleomele hawaiiensis Degener + I. Degener, transferred to Agavaceae

APPENDIX A, continued.

<u>ST. JOHN (1973) (as in checklist)</u>	<u>WAGNER, HERBST, and SOHMER</u>
Echinochloa cruspavonis	Echinochloa crus-galli (L.) P. Beauv.
Eragrostis variabilis (Gaud.) Hbd.	Eragrostis variabilis (Gaud.) Steud.
Festuca dertonensis	Vulpia bromoides (L.) S.F. Gray
Festuca myuros	Vulpia myuros (L.) C.C. Gmelin
Fimbristylis pycnocephala	Fimbristylis cymosa R. Br.
Hedychium coronarium Koenig in Retz.	Hedychium coronarium J. König
Hedychium flavescens Carey in Roscoe	Hedychium flavescens W. Carey ex Roscoe
Hedychium gardnerianum Roscoe	Hedychium gardnerianum Ker-Gawl. transferred to Liliaceae
Hippeastrum x johnsonii	
Juncus xiphioides var. triandrus	Juncus ensifolius Wikström
Machaerina gahniaeformis	Gahnia gahniiformis (Gaud.) A. Heller
Microlaena stipoides	Ehrharta stipoides Labill.
Panicum colliei	Panicum pellitum Trin.
Pandanus tectorius Warb.	Pandanus tectorius Parkinson ex Z.
Paspalum orbiculare	Paspalum scrobiculatum L.
Pennisetum clandestinum Hochst. ex Chiov.	Pennisetum clandestinum Chiov.
Phaius tankervilleae	Phaius tankervilleae (Banks ex L'Hér.) Blume transferred to Agavaceae
Phormium tenax	Rhynchospora rugosa (Vahl) Gale subsp. lavarum (Gaud.) T. Koyama
Rhynchospora lavarum	
Setaria geniculata	Setaria gracilis Kunth
Setaria glauca	not in Hawai'i
Setaria palmaefolia	Setaria palmifolia (J. König) Stapf
Smilax sandwicensis	Smilax melastomifolia Sm., transferred to Smilacaceae
Tritonia crocosmiflora	Crocosmia x crocosmiflora (Lemoine ex Morren) N. E. Brown
Zingiber zerumbet (L.) Roscoe in Sm.	Zingiber zerumbet (L.) Sm.

APPENDIX A, continued.

DICOTYLEDONS

<u>ST. JOHN (1973) (as in checklist)</u>	<u>WAGNER, HERBST, and SOHMER</u>
Acacia decurrens	Acacia mearnsii Dewild.
Acacia koa	
var. latifolia	Acacia koa A. Gray
Alyxia olivaeformis	Alyxia oliviformis Gaud.
Ardisia crispa	Ardisia crenata Sims
Argemone glauca Pope	Argemone glauca (Nutt. ex Prain) Pope
Argemone glauca	Argemone glauca (Nutt. ex Prain) Pope
var. inermis	
Asarina erubescens	Lophospermum erubescens D. Don
Begonia fuchsioides	Begonia foliosa H.B.K.
Bidens cynapiifolia	Bidens cynapiifolia H.B.K.
Bidens pilosa	
var. minor	Bidens pilosa L.
Bidens skottsbergii	Bidens hawaiiensis A. Gray
Boerhavia diffusa	Boerhavia repens L.
Brassaia actinophylla	Schefflera actinophylla (Endl.) Harms
Broussaisia arguta	
var. pellucida	Broussaisia arguta Gaud.
Buddleja asiatica	transferred to Buddlejaceae
Canavalia kauensis	Canavalia hawaiiensis Degener, I. Degener & J. Sauer transferred to Cannabaceae
Cannabis sativa	Cardamine flexuosa With.
Cardamine konaensis	Senna pendula (Humb. & Bonpl. ex Willd.) H. Irwin & Barneby
Cassia bicapsularis	Senna septemtrionalis (Viviani) H. Irwin & Barneby
Cassia floribunda	Senna gaudichaudii (Hook. & Arnott) H. Irwin & Barneby
Cassia gaudichaudi	Chamaecrista nictitans (L.) Moench
Cassia leschenaultiana	Senna occidentalis (L.) Link
Cassia occidentalis	Casuarina equisetifolia L.
Casuarina equisetifolia Stickm.	Cerastium fontanum Baumg.
Cerastium vulgatum	
Cheirodendron trigynum	Cheirodendron trigynum (Gaud.) A. Heller
var. degeneri	
f. pauciflorum	Cocculus trilobus (Thunb.) DC.
Cocculus ferrandianus	Plectranthus scutellarioides (L.) R. Br.
Coleus blumei	
Coprosma ochracea	Coprosma ochracea W. Oliver
var. rockiana	
Coreopsis nuecensis	Coreopsis lanceolata L.
Crotalaria anagyroides	Crotalaria micans Link
Crotalaria mucronata	Crotalaria pallida Aiton

APPENDIX A, continued.

<u>ST. JOHN (1973) (as in checklist)</u>	<u>WAGNER, HERBST, and SOHMER</u>
Cuphea hyssopifolia HBK.	Cuphea hyssopifolia Kunth
Cuscuta sandwichiana	transferred to Cuscutaceae
Cyanea densiflora	Cyanea degeneriana E. Wimm.
Cyanea floribunda	Cyanea degeneriana E. Wimm.
Cyanea longipedunculata	Cyanea pilosa A. Gray
	subsp. longipedunculata (Rock)
	Lammers
Cyanea pilosa	Cyanea pilosa A. Gray
	subsp. pilosa
Cyrtandra montis-loa	Cyrtandra lysiosepala (A. Gray)
	C. B. Clarke
Cyrtandra paludosa	
var. irrostrata	Cyrtandra paludosa Gaud.
Desmodium canum	Desmodium incanum DC.
Desmodium uncinatum	Desmodium sandwicense E. Mey.
Diospyros ferrea	Diospyros sandwicensis (A. DC.)
	Fosb., no var. recognized
Dodonaea eriocarpa	Dodonaea viscosa (L.) Jacq.,
	Indigenous
Dodonaea eriocarpa	
var. hosakana	Dodonaea viscosa (L.) Jacq.
Dodonaea eriocarpa	
var. skottsbergii	Dodonaea viscosa (L.) Jacq.
Dodonaea sandwicensis	Dodonaea viscosa (L.) Jacq.
Dodonaea viscosa	
var. arborescens	
f. spathulata	Dodonaea viscosa (L.) Jacq.
Dolichos lablab	Lablab purpureus (L.) Sweet
Dubautia x vafra	Dubautia linearis (Gaud.) Keck
Emilia javanica	Emilia fosbergii D. H. Nicolson
Epilobium adenocaulon	Epilobium ciliatum Raf.
Epilobium cinereum	Epilobium billardierianum Ser.
	subsp. cinereum (A. Rich.)
	Raven & Engelhorn
Erechtites valerianaefolia	Erechtites valerianifolia
	(Wolf) DC.
Erigeron bonariensis	Conyza bonariensis (L.) Cronq.
Erigeron canadensis	Conyza canadensis (L.) Cronq.
Erigeron pusillus	Conyza canadensis (L.) Cronq.
	var. pusilla (Nutt.) Cronq.
Erodium cicutarium (L.)	Erodium cicutarium (L.) L'Hér.
L'Hér. ex Ait.	
Eugenia cumini	Syzygium cumini (L.) Skeels
Eugenia jambos	Syzygium jambos (L.) Alston
Eugenia malaccensis	Syzygium malaccense (L.) Merr. &
	Perry
Eupatorium riparium Regel	Ageratina riparia (Regel) R. King
	& H. Robinson
Euphorbia celastroides	Chamaesyce celastroides (Boiss.)
	Croizat & Degener

APPENDIX A, continued.

<u>ST. JOHN (1973) (as in checklist)</u>	<u>WAGNER, HERBST, and SOHMER</u>
<i>Euphorbia glomerifera</i>	<i>Chamaesyce hypericifolia</i> (L.) Millsp.
<i>Euphorbia hirta</i>	<i>Chamaesyce hirta</i> (L.) Millsp.
<i>Euphorbia prostrata</i>	<i>Chamaesyce prostrata</i> (Aiton) Small
<i>Euphorbia thymifolia</i>	<i>Chamaesyce thymifolia</i> (L.) Millsp.
<i>Exocarpus gaudichaudii</i>	<i>Exocarpus gaudichaudii</i> A. DC.
<i>Exocarpus menziesii</i>	<i>Exocarpus menziesii</i> Stauffer
<i>Fragaria chiloensis</i> var. <i>sandwicensis</i>	<i>Fragaria chiloensis</i> (L.) Duchesne subsp. <i>sandwicensis</i> (Decne.) Staudt
<i>Fragaria vesca</i> f. <i>vesca</i>	<i>Fragaria vesca</i> L.
<i>Fraxinus americana</i> sensu Hawaiian botanists	<i>Fraxinus uhdei</i> (Wenzig) Lingelsh.
<i>Fuchsia arborescens</i>	<i>Fuchsia paniculata</i> Lindl.
<i>Galinsoga ciliata</i>	<i>Galinsoga quadriradiata</i> Ruiz & Pav.
<i>Geranium carolinianum</i> var. <i>australe</i>	<i>Geranium homeanum</i> Turcz.
<i>Geranium cuneatum</i> var. <i>hypoleucum</i>	<i>Geranium cuneatum</i> Hook. subsp. <i>hypoleucum</i> (A. Gray) Carlq. & Bissing
<i>Gnaphalium hawaiiense</i>	<i>Gnaphalium sandwicense</i> Gaud. var. <i>hawaiiense</i> (Degener & Sherff) W.L. Wagner, Herbst & Sohmer
<i>Gomphocarpus physocarpus</i>	<i>Asclepias physocarpa</i> (E. Mey.) Schlechter
<i>Gouldia hillebrandii</i>	<i>Hedyotis hillebrandii</i> (Fosb.) W.L. Wagner and Herbst
<i>Gouldia terminalis</i>	<i>Hedyotis terminalis</i> (Hook. & Arnott) W.L. Wagner and Herbst, no var. or f. recognized
<i>Hedyotis centranthoides</i> f. <i>diffusa</i>	<i>Hedyotis centranthoides</i> (Hook. & Arnott) Steud.
<i>Hibiscus youngianus</i>	<i>Hibiscus furcellatus</i> Desr., Indigenous
<i>Hydrocotyle sibthorpioides</i> var. <i>oedipoda</i>	<i>Hydrocotyle bowlesioides</i> Math. & Const. Endemic?
<i>Hypericum degeneri</i>	<i>Impatiens wallerana</i> J.D. Hook.
<i>Impatiens sultani</i>	<i>Ipomoea pes-caprae</i> (L.) R. Br.
<i>Ipomoea brasiliensis</i>	<i>Ipomoea indica</i> (J. Burm.) Merr.
<i>Ipomoea congesta</i>	<i>Ipomoea violacea</i> L.
<i>Ipomoea tuba</i>	<i>Jacaranda mimosifolia</i> D. Don
<i>Jacaranda acutifolia</i>	<i>Jacquemontia ovalifolia</i> (Choisy) H. Hallier
<i>Jacquemontia sandwicensis</i>	<i>Kalanchoë tubiflora</i> (Harv.) Raym.-Hamet
<i>Kalanchoe tubiflora</i> (Harv.) Hamet	

APPENDIX A, continued.

<u>ST. JOHN (1973) (as in checklist)</u>	<u>WAGNER, HERBST, and SOHMER</u>
Labordia baillonii	Labordia hirtella H. Mann
Labordia hedyosmifolia var. grayana	Labordia hedyosmifolia Baill.
Labordia hedyosmifolia var. kilaueana	Labordia hedyosmifolia Baill.
Labordia hedyosmifolia var. magnifolia	Labordia hedyosmifolia Baill.
Linaria texana	Linaria canadensis (L.) Dum.-Cours.
Linociera ligustrina	Olea europaea L. subsp. africana (Mill.) P.S. Green
Lipochaeta succulenta var. decurrens	Lipochaeta succulenta (Hook. & Arnott) DC.
Lobeliaceae	transferred to Campanulaceae
Lythrum maritimum	Indigenous
Melaleuca leucadendra	Melaleuca quinquenervia (Cav.) S.T. Blake
Melastoma malabathricum	Melastoma candidum D. Don
Messerschmidia argentea	Tournefortia argentea L. fil
Metrosideros polymorpha var. nuda	Metrosideros polymorpha Gaud. var. polymorpha
Mezoneuron kavaiense	Caesalpinia kavaiensis H. Mann
Morus alba f. tatarica	Morus alba L.
Myoporum sandwicense var. fauriei	Myoporum sandwicense A. Gray
Nertera granadensis var. insularis	Nertera granadensis (L. fil) Druce
Nicotaba betonica	Justicia betonica L.
Opuntia megacantha	Opuntia ficus-indica (L.) Mill.
Osmanthus sandwicensis	Nestegis sandwicensis (A. Gray) Degener, I. Degener & L.A. Johnson
Oxalis corniculata var. viscidula	Oxalis corniculata L.
Oxalis martiana	Oxalis corymbosa DC.
Paederia foetida	Paederia scandens (Lour.) Merr.
Pelea clusiaefolia	Pelea clusiifolia A. Gray
Pelea hawaiiensis var. gaudichaudii	Pelea hawaiiensis Wawra
Pelea kilaueaensis	Pelea hawaiiensis Wawra
Pelea lanceolata	Pelea radiata St. John
Pelea pickeringii	Pelea clusiifolia A. Gray
Pelea pseudoanisata var. oblanceolata	Pelea pseudoanisata Rock
Pelea puuluensis	Pelea pseudoanisata Rock
Peperomia expallescens var. brevopilosa	Peperomia expallescens C. DC.
Peperomia hawaiiensis	Peperomia hypoleuca Miq.
Peperomia hypoleuca var. pluvigaudens	Peperomia hypoleuca Miq.

APPENDIX A, continued.

<u>ST. JOHN (1973) (as in checklist)</u>	<u>WAGNER, HERBST, and SOHMER</u>
<i>Peperomia lilifolia</i>	<i>Peperomia macraeana</i> C. DC.
<i>Peperomia membranacea</i>	<i>Peperomia membranacea</i> Hook. &
var. <i>puukukuiana</i>	Arnott
<i>Peperomia tetraphylla</i>	<i>Peperomia tetraphylla</i> (G.
var. <i>parvifolia</i>	Forster) Hook. & Arnott
<i>Petroselinum crispum</i> (Mill.)	<i>Petroselinum crispum</i> (Mill.) A.
Nym.	W. Hill
<i>Phaseolus lathyroides</i>	<i>Macroptilium lathyroides</i> (L.)
	Urb.
<i>Pittosporum hosmeri</i>	
var. <i>longifolium</i>	<i>Pittosporum hosmeri</i> Rock
<i>Pittosporum hosmeri</i>	
var. <i>saint-johnii</i>	<i>Pittosporum hosmeri</i> Rock
<i>Pittosporum kilaueae</i>	<i>Pittosporum terminalioides</i>
	Planch. ex A. Gray
<i>Pittosporum sulcatum</i>	<i>Pittosporum glabrum</i> Hook. &
	Arnott
<i>Planchonella</i> sp.	<i>Pouteria sandwicensis</i> (A. Gray)
	Baehni & Degener
<i>Plantago virginica</i>	<i>Plantago australis</i> Lam.
<i>Pluchea odorata</i>	<i>Pluchea symphytifolia</i> (Mill.)
	Gillis
<i>Portulaca cyanosperma</i>	<i>Portulaca pilosa</i> L., Alien
<i>Portulaca hawaiiensis</i>	<i>Portulaca villosa</i> Cham.
<i>Psidium cattleianum</i>	
var. <i>littorale</i>	<i>Psidium cattleianum</i> Sabine
<i>Psidium guajava</i>	
var. <i>cujavillus</i>	<i>Psidium guajava</i> L.
<i>Rauvolfia remotiflora</i>	<i>Rauvolfia sandwicensis</i> A. DC.
<i>Rubus penetrans</i>	<i>Rubus argutus</i> Link
<i>Rubus rosaefolius</i>	<i>Rubus rosifolius</i> Sm.
<i>Sambucus mexicana</i>	
var. <i>bipinnata</i>	<i>Sambucus mexicana</i> Presl ex A. DC.
<i>Sapindus saponaria</i> f. <i>inequalis</i>	<i>Sapindus saponaria</i> L.
<i>Scaevola chamissoniana</i>	
var. <i>bracteosa</i>	<i>Scaevola chamissoniana</i> Gaud.
<i>Scaevola taccada</i>	<i>Scaevola sericea</i> Vahl
<i>Sicyos hillebrandii</i>	<i>Sicyos anunu</i> (St. John) Telford
<i>Sida cordifolia</i>	Alien
<i>Solanum nigrum</i>	<i>Solanum americanum</i> Mill.
<i>Solidago altissima</i>	<i>Solidago canadensis</i> L.
<i>Stachytarpheta cayennensis</i>	<i>Stachytarpheta dichotoma</i> (Ruiz &
	Pav.) Vahl
<i>Stellaria media</i> (L.) Villars	<i>Stellaria media</i> (L.) Cyrill
<i>Stenogyne angustifolia</i>	
var. <i>salicifolia</i>	<i>Stenogyne angustifolia</i> A. Gray
<i>Stenogyne calaminthoides</i>	
var. <i>subrotundata</i>	<i>Stenogyne calaminthoides</i> A. Gray
<i>Stenogyne kaalae</i>	
var. <i>coriacea</i>	<i>Stenogyne rugosa</i> Benth.

APPENDIX A, continued.

<u>ST. JOHN (1973) (as in checklist)</u>	<u>WAGNER, HERBST, and SOHMER</u>
<i>Stenogyne rugosa</i>	<i>Stenogyne rugosa</i> Benth.
var. <i>subulata</i>	
<i>Stenogyne scrophularioides</i>	<i>Stenogyne scrophularioides</i> Benth.
var. <i>biflora</i>	<i>Styphelia tameiameiae</i> (Cham. & Schlecht.) F. v. Muell.
<i>Styphelia douglasii</i>	<i>Taraxacum officinale</i> Weber
<i>Taraxacum officinale</i> (L.) Weber	<i>Tetramolopium humile</i> (A. Gray)
<i>Tetramolopium humile</i>	Hillebr. var. <i>humile</i>
var. <i>skottsbergii</i>	<i>Tetraplasandra kavaiensis</i>
<i>Tetraplasandra kavaiensis</i>	(H. Mann) Sherff
var. <i>grandis</i>	<i>Tetraplasandra oahuensis</i> (A. Gray) Harms
<i>Tetraplasandra meiantra</i>	<i>Trematolobelia grandifolia</i> (Rock) Degener
<i>Trematolobelia wimmeri</i>	<i>Triumfetta semitriloba</i> Jacq.
<i>Triumfetta semitriloba</i> (L.) Jacq.	<i>Urera glabra</i> (Hook. & Arnott) Weddell
<i>Urera sandvicensis</i>	<i>Vaccinium calycinum</i> ,
<i>Vaccinium calycinum</i>	no forms recognized
f. <i>faurei</i>	<i>Vaccinium reticulatum</i> Sm.
<i>Vaccinium pahale</i>	<i>Vaccinium reticulatum</i> Sm.
<i>Vaccinium peleanum</i>	<i>Waltheria indica</i> L.
<i>Waltheria americana</i>	<i>Wikstroemia phillyreaefolia</i> A. Gray
<i>Wikstroemia phillyreaefolia</i>	<i>Wikstroemia phillyreaefolia</i> A. Gray
<i>Wikstroemia phillyreaefolia</i>	<i>Xanthium strumarium</i> L.
var. <i>buxifolia</i>	<i>Xanthium strumarium</i> L.
<i>Xanthium italicum</i>	<i>Zanthoxylum kauaense</i> A. Gray
<i>Xanthium saccharatum</i>	<i>Zanthoxylum dipetalum</i> H. Mann
<i>Zanthoxylum maviense</i>	<i>Zanthoxylum hawaiiense</i> Hillebr.
<i>Zanthoxylum dipetalum</i>	
var. <i>geminicarpum</i>	
<i>Zanthoxylum hawaiiense</i>	
var. <i>velutinosum</i>	

APPENDIX B
 ADDITIONAL SOURCES OF NOMENCLATURE USED IN CHECKLIST
 (Other than St. John 1973)

<u>TAXA NOT LISTED IN ST. JOHN (1973)</u>	<u>SOURCE OF NAME</u>
Acacia koa	
var. latifolia	St. John 1979a
Argyroxiphium sandwicense	
subsp. macrocephalum	Carr 1985
Beta vulgaris	
var. crassa	Fosberg 1975
Bromus madritensis	Fosberg 1975
Canavalia kauensis	St. John 1972
Charpentiera obovata x	
C. ovata	Sohmer 1972
Crassocephalum crepidioides	Wagner, Herbst, and Sohmer
Cuphea hyssopifolia	Fosberg 1975
Cyperus virens	Wagner, Herbst and Sohmer
Digitaria pruriens, Poly. Intro.	St. John 1978a
Dracaena hawaiiensis	Fosberg 1962
Dubautia ciliolata	Carr 1985
Dubautia ciliolata x D. scabra	Carr 1985
Dubautia linearis	Carr 1985
Dubautia scabra	Carr 1985
Dubautia scabra	
subsp. leiophylla	Carr 1985
Dubautia x vafra	Fosberg 1975
Elaeagnus umbellata	Fosberg 1975
Eragrostis elongata	Wagner, Herbst, and Sohmer
Hibiscadelphus x puakuahiwi	Baker and Allen 1976
Iris germanica	Fosberg 1975
Jasminum humile	Fosberg 1975
Kalanchoe waldheimii	Specimen in HAVO Herbarium
Ligustrum vulgare	Fosberg 1975
Ludwigia octovalvis, Poly. Intro.	St. John 1978a
Merremia aegyptia, Poly. Intro.	St. John 1978a
Metrosideros polymorpha	
var. glaberrima	St. John 1979b
Metrosideros polymorpha	
var. incana	St. John 1979b
Metrosideros polymorpha	
var. macrophylla	St. John 1979b
Metrosideros polymorpha	
var. nuda	St. John 1979b
Ochrosia haleakalae	St. John 1978b
Ochrosia kilaueaensis	St. John 1978b
Oxalis corniculata, Poly. Intro.	St. John 1978a
Pelea kilaueaensis	St. John 1982a

APPENDIX B, continued.

<u>TAXA NOT LISTED IN ST. JOHN (1973)</u>	<u>SOURCE OF NAME</u>
<i>Pittosporum kilaueae</i>	Specimen in HAVO herbarium
<i>Plantago australis</i>	Wagner, Herbst and Sohmer
<i>Polygala paniculata</i>	Wagner, Herbst and Sohmer
<i>Polypremum procumbens</i>	Fosberg 1962, Fosberg 1975
<i>Reynoldsia sandwicensis</i>	St. John 1980
<i>Soliva sessilis</i>	Abrams and Ferris 1965
<i>Spermacoce</i> sp.	Specimen in HAVO Herbarium
<i>Trematolobelia wimmeri</i>	St. John 1982b
<i>Veronica peregrina</i>	Wagner, Herbst, and Sohmer
<i>Wahlenbergia gracilis</i>	Wagner, Herbst and Sohmer
<i>Xanthium italicum</i>	Fosberg 1975

APPENDIX C
 PLANT TAXA FOUND IN HAVO THAT ARE CANDIDATES UNDER REVIEW
 FOR ENDANGERED OR THREATENED STATUS (FEDERAL REGISTER 1985)

<u>Taxon</u>	<u>Category*</u>	<u>Family</u>
Adenophorus periens	1	Grammitidaceae (Polypodiaceae)
Argemone glauca var. inermis	2	Papaveraceae
Argyroxiphium kauense (planted)	1	Compositae (Asteraceae)
Asplenium fragile var. insulare	1	Aspleniaceae (Polypodiaceae)
Bidens skottsbergii	3B	Compositae (Asteraceae)
Bobea timonioides	1	Rubiaceae
Canavalia kauensis	1	Leguminosae (Fabaceae)
Cyanea tritomantha	1	Lobeliaceae (Campanulaceae)
Cyrtandra giffardii	2	Gesneriaceae
Cyrtandra lysiosepala	2	Gesneriaceae
Cyrtandra ramosissima	2	Gesneriaceae
Dodonaea eriocarpa var. skottsbergii	2	Sapindaceae
Dracaena hawaiiensis	1	Liliaceae
Hibiscadelphus giffardianus	1	Malvaceae
Ischaemum byrone	1	Gramineae (Poaceae)
Labordia baillonii	3A	Loganiaceae
Labordia hedyosmifolia var. kilaueana	1	Loganiaceae
Labordia hedyosmifolia var. magnifolia	1	Loganiaceae
Neraudia ovata	1	Urticaceae
Nothocestrum breviflorum	1	Solanaceae
Nothocestrum longifolium var. rufipilosum	1	Solanaceae
Ochrosia kilaueaensis	2	Apocynaceae
Ophioglossum concinnum	1	Ophioglossaceae
Pelea hawaiiensis	1	Rutaceae
Pelea pickeringii (listed as P. clusiaefolia var. pickeringii)	1	Rutaceae
Pelea puuluensis	1	Rutaceae
Pelea zahlbruckneri	1	Rutaceae

APPENDIX C, continued.

<u>Taxon</u>	<u>Category*</u>	<u>Family</u>
Peperomia expallescens var. brevopilosa	2	Piperaceae
Peperomia lilifolia var. obtusata	2	Piperaceae
Pittosporum hawaiiense	1	Pittosporaceae
Portulaca hawaiiensis	1	Portulacaceae
Portulaca sclerocarpa	1	Portulacaceae
Scaevola kilaueae	1	Goodeniaceae
Sesbania tomentosa	1	Leguminosae (Fabaceae)
Silene hawaiiensis	1	Caryophyllaceae
Stenogyne macrantha	1	Labiatae (Lamiaceae)
Stenogyne rugosa var. subulata	2	Labiatae (Lamiaceae)
Stenogyne scrophularioides	2	Labiatae (Lamiaceae)
Tetraplasandra hawaiiensis var. hawaiiensis	2	Araliaceae
Tetraplasandra kavaiensis var. grandis	1	Araliaceae
Trematolobelia wimmeri	1	Lobeliaceae (Campanulaceae)
Vandenboschia draytoniana (listed as Trichomanes draytonianum)	1	Hymenophyllaceae
Zanthoxylum dipetalum	1	Rutaceae
Zanthoxylum hawaiiense	1	Rutaceae
Zanthoxylum maviense	2	Rutaceae

Two additional candidate endangered species occur very near Park boundaries, but have not been collected within HAVO. These were not included on the checklist proper:

Phyllostegia brevidens var. heterodoxa	1	Labiatae (Lamiaceae)
Phyllostegia macrophylla var. velutina	1	Labiatae (Lamiaceae)

The following taxa are officially listed endangered species that have been planted in HAVO, but do not naturally occur there:

Kokia drynarioides	LE	Malvaceae
Mezoneuron kavaiense	LE	Leguminosae (Fabaceae)

APPENDIX C, continued.

* Category Explanations

- 1 = Taxa for which the U.S. Fish and Wildlife Service currently has sufficient information regarding their vulnerability to support listing them as Endangered or Threatened
- 2 = Taxa believed to be Endangered or Threatened but for which information regarding their biological vulnerability is not known
- 3A= Taxa thought to be extinct
- 3B= Taxa that have undergone taxonomic revision and are no longer being recognized
- LE= Listed endangered taxon



APPENDIX D
RARE PLANTS OF HAWAII VOLCANOES NATIONAL PARK
(excluding Candidate Endangered Taxa)

<u>Taxon</u>	<u>Family</u>
Alphitonia ponderosa	Rhamnaceae
Anoectochilus sandvicensis	Orchidaceae
Antidesma pulvinatum	Euphorbiaceae
Asplenium schizophyllum	Aspleniaceae
Capparis sandwichiana*	Capparidaceae
Cassia gaudichaudi	Leguminosae
Charpentiera obovata*	Amaranthaceae
Charpentiera ovata*	Amaranthaceae
Charpentiera obovata x. C. ovata	Amaranthaceae
Clermontia coerulea*	Lobeliaceae
Clermontia hawaiiensis	Lobeliaceae
Clermontia montis-loa*	Lobeliaceae
Clermontia peleana	Lobeliaceae
Cuscuta sandwichiana*	Cuscutaceae
Cyanea densiflora	Lobeliaceae
Cyanea floribunda	Lobeliaceae
Cyanea longipedunculata	Lobeliaceae
Cyanea pilosa	Lobeliaceae
Embelia pacifica	Myrsinaceae
Erythrina sandwicensis*	Leguminosae
Eurya sandwicensis	Theaceae
Euphorbia celastroides*	Euphorbiaceae
Exocarpos gaudichaudii	Santalaceae
Exocarpos menziesii	Santalaceae
Fragaria chiloensis var. sandwicensis	Rosaceae
Gnaphalium hawaiiense*	Compositae
Gonocormus prolifer	Hymenophyllaceae
Joinvillea ascendens	Joinvilleaceae
Lindsaea ensifolia	Lindsaceae
Liparis hawaiiensis	Orchidaceae
Marattia douglasii*	Marattiaceae
Myrsine lanaiensis*	Myrsinaceae
Nototrichium sandwicense*	Amaranthaceae
Ophioglossum petiolatum	Ophioglossaceae
Oreobolus furcatus*	Cyperaceae
Panicum colliei	Gramineae
Panicum pellitum	Gramineae
Phyllostegia floribunda	Labiatae
Phyllostegia macrophylla var. macrophylla*	Labiatae
Phyllostegia racemosa	Labiatae
Phyllostegia vestita	Labiatae

APPENDIX D, continued.

<u>Taxon</u>	<u>Family</u>
Pittosporum hosmeri var. longifolium*	Pittosporaceae
Pittosporum sulcatum var. remyi	Pittosporaceae
Plantago hawaiiensis	Plantaginaceae
Platydesma spathulata	Rutaceae
Plumbago zeylanica	Plumbaginaceae
Pneumatopteris hudsoniana	Thelypteridaceae
Pritchardia beccariana*	Palmae
Rauvolfia remotiflora	Apocynaceae
Reynoldsia sandwicensis	Araliaceae
Rhus sandwicensis*	Anacardiaceae
Rubus macraei	Rosaceae
Rumex giganteus*	Polygonaceae
Sapindus saponaria	Sapindaceae
Schiedea diffusa	Caryophyllaceae
Sicyos hillebrandii	Cucurbitaceae
Sicyos microcarpus	Cucurbitaceae
Sisyrinchium acre	Iridaceae
Spermolepis hawaiiensis	Umbelliferae
Stenogyne angustifolia var. salicifolia	Labiatae
Stenogyne kaalae var. coriacea	Labiatae
Stenogyne sessilis	Labiatae
Tetraplasandra meiandra*	Araliaceae
Touchardia latifolia*	Urticaceae
Urera sandwicensis*	Urticaceae
Xylosma hawaiiensis*	Flacourtiaceae

* Designates plants which are rare in HAVO, but are more common outside the Park. In some cases, appropriate habitat for these taxa is limited in HAVO.

The following relatively rare plant taxa apparently do not occur naturally in HAVO, but have been planted in the Park:

Argyroxiphium sandwicense subsp. macrocephalum	Compositae
Hibiscus youngianus	Malvaceae
Lipochaeta succulenta var. decurrens	Compositae
Pittosporum hosmeri var. saint-johnii	Pittosporaceae
Pritchardia lanigera	Palmae

APPENDIX E
DISRUPTIVE ALIEN PLANT SPECIES FOUND IN HAVO

<u>Taxon</u>	<u>Family</u>
Acacia confusa*	Leguminosae
Acacia decurrens*	Leguminosae
Agave sisalana*	Amaryllidaceae
Andropogon glomeratus	Gramineae
Andropogon virginicus	Gramineae
Anemone hupehensis	Ranunculaceae
Brachiaria mutica*	Gramineae
Casuarina equisetifolia*	Casuarinaceae
Dactylis glomerata	Gramineae
Eugenia cumini*	Myrtaceae
Grevillea robusta	Proteaceae
Hedychium gardnerianum	Zingiberaceae
Heterocentron subtriplivervium*	Melastomataceae
Holcus lanatus	Gramineae
Hyparrhenia rufa	Gramineae
Juncus effusus	Juncaceae
Lantana camara	Verbenaceae
Leptospermum scoparium*	Myrtaceae
Leucaena leucocephala	Leguminosae
Linociera ligustrina	Oleaceae
Melaleuca leucadendra*	Myrtaceae
Melastoma malabathricum*	Melastomataceae
Melinis minutiflora	Gramineae
Melochia umbellata*	Sterculiaceae
Microlaena stipoides	Gramineae
Myrica faya	Myricaceae
Paederia foetida*	Rubiaceae
Panicum maximum*	Gramineae
Paspalum conjugatum	Gramineae
Paspalum dilatatum	Gramineae
Paspalum urvillei	Gramineae
Passiflora ligularis*	Passifloraceae
Passiflora mollissima	Passifloraceae
Pennisetum clandestinum	Gramineae
Pennisetum setaceum	Gramineae
Phormium tenax*	Liliaceae
Pluchea odorata*	Compositae
Prosopis pallida*	Leguminosae
Psidium cattleianum	Myrtaceae
Psidium guajava*	Myrtaceae
Rhynchelytrum repens	Gramineae
Ricinus communis*	Euphorbiaceae
Rubus ellipticus	Rosaceae
Rubus glaucus*	Rosaceae

APPENDIX E, continued.

<u>Taxon</u>	<u>Family</u>
Rubus penetrans	Rosaceae
Schinus terebinthifolius	Anacardiaceae
Senecio mikanioides*	Compositae
Setaria palmaefolia	Gramineae
Solanum pseudocapsicum	Solanaceae
Tibouchina urvilleana*	Melastomataceae
Trema orientalis*	Ulmaceae
Tropaeolum majus	Tropaeolaceae
Verbascum thapsus*	Scrophulariaceae

* Potentially disruptive species. These plants have shown themselves to be disruptive and capable of invading native ecosystems elsewhere in Hawai'i, but in HAVO they are not yet widespread or have not significantly affected native systems. Many of these potentially disruptive plants have very localized distributions in HAVO and are being effectively controlled at present.

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