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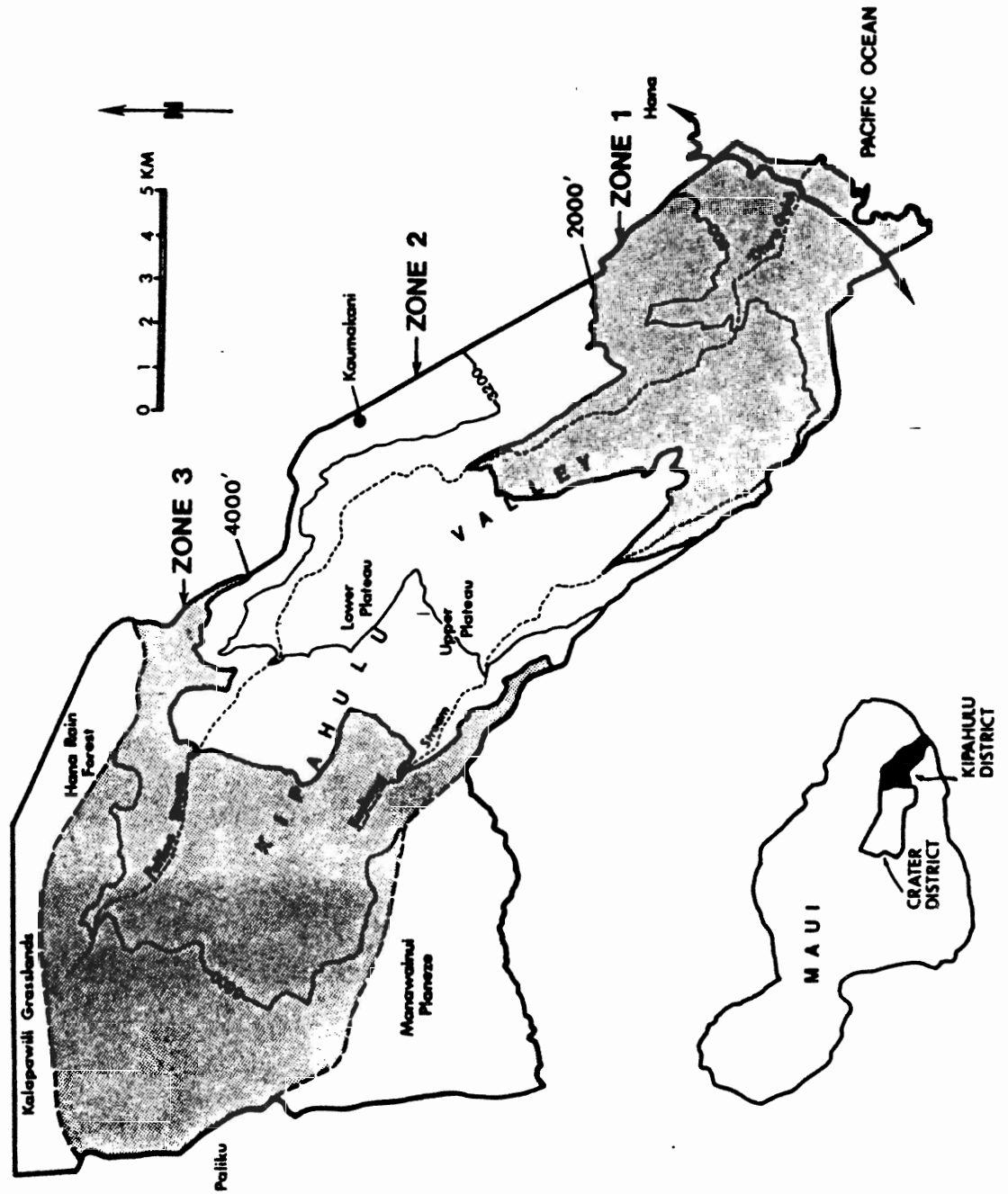
ERYOPHYTES AND VASCULAR PLANTS  
OF KIPAHULU VALLEY,  
HALEAKALA NATIONAL PARK

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Figure 1. Vegetation zones of Kipahulu Valley, Haleakala National Park.



BRYOPHYTES AND VASCULAR PLANTS OF KIPAHULU VALLEY,  
HALEAKALA NATIONAL PARK

This checklist is primarily a compilation of past lists of plants found in Kipahulu Valley, which since 1968 has been a district within Haleakala National Park on Maui. The chief published sources of information about the vascular plants of upper Kipahulu Valley are Lamoureux (1967), Lamoureux and Stemmermann (1976), St. John (1971), Yoshinaga (1980), and Anderson et al. (in press). Plants of the lower portion of Kipahulu Valley are the subject of several recent Technical Reports published by the Cooperative National Park Resources Studies Unit of the University of Hawaii at Manoa (CPSU/UH Manoa): Canfield and Stemmermann (1980); Smith, Williams, and Asherman (1985); Kinzie and Ford (1977); and Kinzie et al. (1979). The bryophyte names in the present checklist are from Hoe (1967) and Hoe and Smith (1980).

Taxa on the following checklist that are not found in the above-listed publications are additions from the collections and field notes of the authors and other contributors, made primarily during the Kipahulu Interdisciplinary Study of 1983-84 (see Stone et al. 1984) or during the ongoing feral pig project (see Stone and Anderson 1988). These 49 new additions are designated (N) in the Status column of the checklist. We wish to particularly acknowledge the contributions of Betsy Gagné, Lloyd Loope, and Art Medeiros during the period of this study.

Plant taxa listed by previous authors were included on the checklist even if they were not seen in Kipahulu by us. Determinations of past collectors and authors were generally accepted; the botanical specimens of others were not examined for this checklist. Plant taxa on previous lists considered by St. John (1973) to be synonyms of other listed taxa were not included.

In the present checklist, nomenclature for the mosses follows Hoe (1975), but that of the hepatics (liverworts) is derived from a number of compilations and other unpublished sources. Nomenclature for the ferns follows that of Lamoureux (unpublished), and for the angiosperms, that of St. John (1973). Appendix A indicates the differences in fern nomenclature between Lamoureux and W.H. Wagner, Jr. (1981), and differences in angiosperm nomenclature between St. John and the soon-to-be-published Manual of the Flowering Plants of Hawai'i by W.L. Wagner, D.R. Herbst, and S.H. Sohmer (in press). An asterisk (\*) after a plant name in the checklist indicates a taxon with changed nomenclature, family designation, or status. Variations in the spelling or abbreviation of authors of binomials are not generally annotated. Where published revisions of Hawaiian plant groups more recent than St. John 1973 were available (for example, Carr 1985), nomenclature from these was used. These revised taxa are indicated by the symbol + in the checklist, and the publications from which they were derived are cited in Appendix B.

COMMON NAMES in Hawaiian or English are listed for most taxa; Hawaiian names are given for native taxa (Endemic, Indigenous) and Polynesian Introductions. Hawaiian names for some alien species are also listed, where usage is well established. 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.

The STATUS in Hawai'i of each taxon is listed as Endemic, Indigenous, of Polynesian Introduction, or Alien (introduced to the Islands after 1778, either intentionally or accidentally). 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. In a few cases, the status of plant taxa is listed as Unknown. For bryophytes, this indicates uncertainty between Indigenous and Endemic categories. The unidentified flowering plants may be either native or Alien.

The Status listing also indicates native plants that are Rare of occurrence in Kipahulu Valley (R). These include taxa that are being considered for Endangered status in the Federal Register (U.S. Fish and Wildlife Service 1985), as well as those that are considered to be rare within Kipahulu Valley but perhaps are more common elsewhere on Maui. Plant species considered rare in the Valley are those with very low numbers of known individuals and/or limited distribution in Kipahulu. As much of the Valley, particularly its upper reaches, has not been thoroughly botanized, the designation of rarity may reflect our lack of knowledge about the abundance and distribution of some plants. As indicated earlier, 49 new species designated (N) in the Status listing have been added to the list since 1983. A list of Kipahulu plant taxa that are candidates for Endangered status (as of 1985) may be found in Appendix C. A list of other rare native plants found in Kipahulu Valley is given in Appendix D.

Some plants are marked (D) in the Status listing. These are taxa considered Disruptive or potentially disruptive to native ecosystems. Growth habits of these plants in Kipahulu Valley and elsewhere on Maui or other Islands have shown that these plants are capable of invading intact ecosystems and displacing native plants. A list of disruptive and potentially disruptive alien plant species in Kipahulu Valley is found in Appendix E.

LIFE FORMS are also indicated. Bryophytes are designated either hornwort, thalloid liverwort, leafy liverwort, or moss, based on their taxonomic group and morphology. The term "fern" is used for ferns and fern allies. Grasses, sedges, rushes and other plants commonly considered grass-like are listed as "grass" life form. Other life forms are herb, shrub, tree, and vine; the last includes lianas.

ELEVATIONAL ZONES are given in the last column of the checklist. These are not based strictly on ecological differences, but rather reflect the way in which past botanical surveys have been conducted. For example, several recent surveys have been completed below 2,000 feet elevation (Smith 1980; Smith, Williams, and Asherman 1985), and the first extensive checklist of Kipahulu plants was based on field work primarily above 1,500-2,500 feet elevation (Lamoureux 1967; Hoe 1967).

The following zones of Kipahulu Valley are used in the checklist:

- 1 sea level to 2,000 feet elevation, including the 'Ohe'o Stream gulch and Seven Pools, extensive pasturelands, Hawaiian planting area, roadsides, and low-elevation forests dominated by alien plants;
- 2 2,000-4,000 feet elevation, including very disturbed forest invaded by strawberry guava (Psidium cattleianum), and most of the Valley's koa/'ohi'a forest (Acacia koa/Metrosideros polymorpha);
- 3 above 4,000 feet elevation to the top of Kipahulu Valley at 7,800 feet, primarily 'ohi'a-dominated forest, but also containing bogs, subalpine shrublands, and pali (ridge) vegetation.

Cultivated plants that are not considered to be naturalized in Kipahulu Valley are designated by the term "cult." following the elevational zone in which they are found.

The following checklist of Kipahulu plants contains a total of 637 taxa, including 117 bryophytes, 98 ferns, and 422 flowering plants. A summary of the numbers (and percentages) of Kipahulu plant taxa by group and status is given in Table 1. All the bryophytes in Kipahulu (including mosses, liverworts, and hornworts) are thought to be native. Likewise, a large majority (91%) of the ferns and fern allies are either endemic or indigenous. Half (50%) of the angiosperm taxa found in Kipahulu valley are either Polynesian or alien in origin. Many of these non-native plants are monocots, primarily grasses and sedges. Only 43% of the listed dicot taxa are non-natives, while 68% of the monocots are either aliens or Polynesian introductions.

A total of 198 non-native taxa are thought to be naturalized in Kipahulu Valley: 8 ferns, 69 monocots, and 121 dicots. The remainder are cultivated plants, primarily in an Hawaiian planting area and along roadsides.

To compare the number of taxa contained in the current Kipahulu checklist with the results of previous surveys, the number of plant taxa found exclusively below 2,000 feet elevation was totaled. The number of vascular plant species that seem to be restricted to the Kipahulu lowlands is 175, including 125 aliens, 17 Polynesian introductions and 33 natives (endemic and indigenous). This may be

compared with the summarized results of Canfield and Stemmermann (1980), who reported 149 alien species, 29 Polynesian introductions, and 89 native taxa in their 1980 survey of Kipahulu below 2,000 feet. Most of the aliens recorded by Canfield and Stemmermann have not yet invaded the upper elevations, while nearly two-thirds of the native plants of the lowlands are also found in the upland zone(s) of Kipahulu.

Native vascular plant taxa known to be or to have been in Kipahulu Valley above an elevation of 2,000 feet number 265. This is somewhat higher than the 229 native vascular plant taxa reported by Lamoureux in 1967 and probably reflects increased botanical fieldwork in the Valley over the last 20 years. Lamoureux listed only 28 introduced plant species in 1967. As of 1988, the number of non-native vascular plant species known from Kipahulu above 2,000 feet elevation has increased to 77 (4 Polynesian and 73 alien species).

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. We also wish to thank Charles Lamoureux for allowing us to use his unpublished Hawaiian fern checklist and keys. Lloyd Loope, Art Medeiros, and Clifford Smith kindly reviewed the manuscript. Special thanks to Danielle B. Stone for help in developing the checklist format and typing the Technical Report.

Table 1. Number and percentage of plant taxa by status in Kipahulu Valley, Haleakala National Park, 1988.

Taxon	Endemic	Indigenous	Polynesian Introduction	Alien	Total*
Bryophytes	55(47%)	56(48%)	0	0	117
Ferns and Fern Allies	58(59%)	31(32%)	0	9(9%)	98
Gymnosperms	0	0	0	0	0
Monocots	21(19%)	12(11%)	11(10%)	66(58%)	113
Dicots	155(50%)	21(7%)	10(3%)	122(40%)	309
Total	289(45%)	120(19%)	21(3%)	197(31%)	637

\* 6 bryophytes (5%), 3 monocots (2%), and 1 dicot (< 1%) are of uncertain status.

BRYOPHYTES AND VASCULAR PLANTS OF KIPAHULU VALLEY, HALEAKALA NATIONAL PARK

TAXON	COMMON NAME	STATUS	LIFE FORM	ELEV. ZONE
<u>BRYOPHYTES</u>				
Class: Anthocerotae				
Anthoceros laevis L.		Indigenous	thalloid liverwort	1
Dendroceros crispus (Sw.) Nees		Indigenous	thalloid liverwort	1
Megaceros sp.		Indigenous	thalloid liverwort	1
Phaeoceros sp.		Indigenous	thalloid liverwort	1
Class: Hepaticae				
Bazzania cordistipula (Mont.) Trev.		Indigenous	leafy liverwort	1,2,3
Bazzania sp.		Indigenous	leafy liverwort	1,2,3
Calypogeia tosana (Steph.) Steph.		Indigenous	leafy liverwort	1
Dumortiera nepalensis		Indigenous	thalloid liverwort	1
Frullania apiculata GLN		Indigenous	leafy liverwort	1,2
Frullania hypoleuca Ness		Indigenous	leafy liverwort	1
Frullania meyeniana Lindenb.		Indigenous	leafy liverwort	1,2
Herberta sp.		Indigenous	leafy liverwort	1,2
Jamesoniella robusta (Aust.) Steph.		Endemic	leafy liverwort	1,2,3
Lopholejeunea subnuda (Mitt.) Steph.		Indigenous	leafy liverwort	1
Marchantia crenata Steph.		Endemic	thalloid liverwort	1,2
Odontoschisma gracile (Mitt.) Steph.		Indigenous	leafy liverwort	1,2,3
Plagiochila deflexa Mont.		Endemic	leafy liverwort	1
Plagiochila mauiensis Steph.		Endemic	leafy liverwort	1
Riccardia sp.		Endemic	leafy liverwort	1
Trocholejeunea sandvicensis (Gott.) Mizt.		Indigenous	leafy liverwort	1

TAXON	COMMON NAME	STATUS	LIFE FORM	ELEV. ZONE
Class: Musci				
Family: AMBLYSTEGIACEAE				
Platyhypnidium muelleri (Jaeg.) Fleisch.		Indigenous	moss	1
Sciaromium tricostatum (Sull.) Mitt.		Endemic	moss	1,2,3
Family: BARTRAMIACEAE				
Bartramia baldwinii C. Müll.		Endemic	moss	3
Philonotis hawaica (C. Müll.) Broth.		Endemic	moss	1
Philonotis turneriana (Schwaegr.) Mitt.		Indigenous	moss	3
Family: BRACHYTHECIACEAE				
Brachythecium plumosum (Hedw.) B.S.G.		Indigenous	moss	2
Brachythecium rutabulum (Hedw.) B.S.G.		Indigenous	moss	1,2
Eurhynchium vagans (Jaeg.) Bartr.		Indigenous	moss	1,2
Palamocladium wilkesianum (Sull.) C. Müll.		Endemic	moss	3
Family: BRYACEAE				
Bryum apiculatum Schwaegr.		Indigenous	moss	1
Bryum hawaicum Hoe		Endemic	moss	3
Bryum sp.		Unknown	moss	3
Bryum sp.		Unknown	moss	3
Bryum sp.		Unknown	moss	3
Family: CALYMPERACEAE				
Calymperes tenerum C. Müll.		Indigenous	moss	1
Syrrophodon hawaiiicus C. Müll.		Endemic	moss	3



Family: DICRANACEAE

<i>Campylopodium euphorocladum</i> (C. Müll.) Besch.	Indigenous	moss	3
<i>Campylopus boswellii</i> (C. Müll.) Par.	Endemic	moss	1,2,3
<i>Campylopus densifolius</i> Angstr.	Indigenous	moss	3
<i>Campylopus densifolius</i> Angstr. var. <i>purpureo-flavescens</i> (Hampe ex C. Müll.) Mill.	Endemic	moss	2,3
<i>Campylopus fumarioli</i> C. Müll.	Endemic	moss	1
<i>Campylopus hawaiiicus</i> var. <i>hawaiiico-flexuosus</i> (C. Müll.) Frahm	Endemic	moss	1
<i>Campylopus incurvatus</i> Frahm & Hoe	Endemic	moss	1,2
<i>Campylopus introflexus</i> (Hedw.) Brid.	Indigenous	moss	3
<i>Campylopus praemorsus</i> (C. Müll.) Jaeg.	Endemic	moss	1
<i>Campylopus skottsbergii</i> Broth.	Endemic	moss	3
<i>Campylopus umbellatus</i> (Arnott) Par.	Indigenous	moss	1
<i>Dicranella hawaiiica</i> (C. Müll.) Broth. var. <i>hawaiiica</i>	Endemic	moss	3
<i>Dicranella integrifolia</i> Bartr.	Endemic	moss	1
<i>Dicranodontium falcatum</i> Broth.	Endemic	moss	3
<i>Dicranum speirophyllum</i> Mont.	Endemic	moss	3
<i>Holomitrium seticalycinum</i> C. Müll.	Endemic	moss	1,2,3
<i>Microdus hillebrandii</i> (C. Müll.) Par.	Indigenous	moss	3

Family: FISSIDENTACEAE

<i>Fissidens baldwinii</i> Broth.	Endemic	moss	3
<i>Fissidens delicatulus</i> Angstr.	Indigenous	moss	1
<i>Fissidens elegans</i> Brid.	Indigenous	moss	1
<i>Fissidens lancifolius</i> Bartr.	Endemic	moss	1
<i>Fissidens mauiensis</i> C. Müll.	Endemic	moss	3
<i>Fissidens nothotaxifolius</i> Pursell & Hoe	Endemic	moss	1
<i>Fissidens</i> sp.	Unknown	moss	3

TAXON	COMMON NAME	STATUS	LIFE FORM	ELEV. ZONE
Family: FUNARIACEAE				
Funaria subintegra	Broth.	Endemic	moss	2,3
Family: GRIMMIACEAE				
Grimmia haleakalae	Reichardt.	Endemic	moss	3
Grimmia sp.		Unknown	moss	3
Racomitrium crispulum				
(Hook. f. & Wils.)	Hook. f. & Wils.	Indigenous	moss	3
Racomitrium lanuginosum	(Hedw.) Brid.			
var. pruinosum	Wils.	Indigenous	moss	3
Family: HOOKERIAEAE				
Daltonia contorta	C. Müll.	Indigenous	moss	3
Daltonia pseudostenophylla	Bartr.	Indigenous	moss	3
Daltonia rufescens	Broth.	Endemic	moss	3
Distichophyllum freycinetii	(Schwaegr.)			
Mitt. var. freycinetii		Endemic	moss	1,2,3
Distichophyllum paradoxum	(Mont.) Mitt.	Endemic	moss	1,2,3
Hookeria acutifolia	Hook. & Grev.	Indigenous	moss	1,3
Family: HYPNACEAE				
Ctenidium decurrens	(Sull.) Broth.	Endemic	moss	1
Ctenidium elegantulum	Broth.	Endemic	moss	2,3
Ectropothecium viridifolium	Bartr.	Endemic	moss	2
Isopterygium albescens	(Hook.) Jaeg.	Indigenous	moss	1
Isopterygium vineale	Bartr.	Endemic	moss	1
Vesicularia perviridis	(Angstr.) C. Müll.	Endemic	moss	1
Family: LEUCOBRYACEAE				
Leucobryum gracile	Sull.	Endemic	moss	1,2,3

Leucobryum seemannii Mitt.			
var. seemannii	Endemic	moss	1,2,3
Octoblepharum albidum Hedw.	Indigenous	moss	1
Family: METEORACEAE			
Aerobryopsis longissima (Dozy & Molk.) Fleisch.	Indigenous	moss	2,3
Barbella trichophora (Mont.) Fleisch.	Endemic	moss	3
Family: MNIACEAE			
Plagiomnium rostratum (Schrad.) Kop.	Indigenous	moss	3
Family: NECKERACEAE			
Baldwiniella kealeensis (Reichhardt) Bartr.	Endemic	moss	1,2,3
Homaliodendron flabellatum (Sm.) Fleisch.	Indigenous	moss	2,3
Family: ORTHOTRICHACEAE			
Macromitrium brevisetum Mitt.	Endemic	moss	1
Macromitrium intricatum C. Müll.	Endemic	moss	3
Macromitrium piliferum Schwaegr.	Indigenous	moss	1,2,3
Macromitrium reinwardtii Schwaegr.	Indigenous	moss	1,2,3
Zygodon reinwardtii (Hornsch.) A. Br.	Indigenous	moss	3
Zygodon tetragonostomus A. Br.	Indigenous	moss	3
Zygodon sp.	Unknown	moss	3
Family: PLAGIOTHECIACEAE			
Plagiothecium draytonii (Sull.) Bartr.	Endemic	moss	2,3
Family: POLYTRICHACEAE			
Pogonatum tahitense Schimp. ex Besch.	Indigenous	moss	2
Polytrichum piliferum Hedw.	Indigenous	moss	3

TAXON	COMMON NAME	STATUS	LIFE FORM	ELEV. ZONE
Family: POTTIACEAE				
Hyophila involuta (Hook.) Jaeg.		Indigenous	moss	1
Leptodontium flexifolium (With.) Hampe.		Indigenous	moss	3
Trichostomum bartramii Mill.		Endemic	moss	3
Family: RACOPIACEAE				
Racopilum cuspidigerum (Schwaegr.) Angstr.		Indigenous	moss	1
Family: RHIZOGONIACEAE				
Rhizogonium pungens Sull.		Endemic	moss	1,2,3
Rhizogonium spiniforme (Hedw.) Bruch.		Indigenous	moss	1,2,3
Family: SEMATOPHYLLACEAE				
Acroporium fusco-flavum (Par.) Broth. var. fusco-flavum		Endemic	moss	1,2
Aptychella robusta (Broth.) Fleisch.		Indigenous	moss	3
Brotherella opaeodon (Sull.) Broth.		Endemic	moss	2,3
Glossadelphus baldwinii Broth.		Endemic	moss	1
Glossadelphus chrysobasilaris Broth.		Endemic	moss	3
Glossadelphus limnobioides Broth.		Endemic	moss	1
Glossadelphus zollingeri (C. Müll.) Fleisch. var. filicaulis (Fleisch.) Fleisch.		Indigenous	moss	2,3
Glossadelphus sp.		Indigenous	moss	3
Hageniella pacifica Broth.		Endemic	moss	1
Sematophyllum hawaiiense (Broth.) Broth.		Indigenous	moss	2,3
Taxithelium mundulum (Sull.) Bartr.		Indigenous	moss	1,2
Trichosteleum hamatum (Dozy & Molk.) Jaeg.		Indigenous	moss	1,2,3

Family: SPLACHNACEAE				
Tayloria sandwicensis (C. Müll.) Broth.		Endemic	moss	3
Family: THUIDIACEAE				
Thuidium hawaiense Reichardt		Endemic	moss	1,2,3
Thuidium plicatum Mitt.		Endemic	moss	3
Family: TRACHYPODACEAE				
Trachypodopsis auriculata (Mitt.) Fleisch.		Indigenous	moss	3

#### PSILOPHYTA

##### PSILOTACEAE:

Whisk Fern Family

Psilotum complanatum Sw.	moa, pipi	Indigenous	fern	2,3
Psilotum nudum (L.) Beauv.	moa, pipi	Indigenous	fern	1,2,3

#### LYCOPHYTA

##### LYCOPODIACEAE:

Club Moss Family

Lycopodium cernuum L.	wawae-'iole	Indigenous	fern	2,3
Lycopodium erubescens Brack.	wawae-'iole	Endemic (N)	fern	3
Lycopodium phyllanthum Hook & Arn.	wawae-'iole	Endemic	fern	1,2
Lycopodium polytrichoides Kaulf.	wawae-'iole	Endemic	fern	3
Lycopodium serratum Thunb.	wawae-'iole	Indigenous	fern	2,3
Lycopodium venustulum Gaud.	wawae-'iole	Indigenous	fern	3

##### SELAGINELLACEAE:

Small Club Moss Family

Selaginella arbuscula (Kaulf.) Spring*	lepelepe-a-moa	Endemic	fern	2,3
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TAXON	COMMON NAME	STATUS	LIFE FORM	ELEV. ZONE
<u>PTERIDOPHYTA</u>				
ADIANTACEAE:				
Maidenhair Fern Family				
<i>Adiantum capillus-veneris</i> L.	'iwa'iwa	Indigenous	fern	1,2
<i>Adiantum raddianum</i> Presl*	maidenhair fern	Alien	fern	1,2
ASPIDIACEAE:				
Shield Fern Family				
<i>Arachniodes carvifolia</i> (Kunze) Ching*		Indigenous (N)	fern	2,3
<i>Ctenitis latifrons</i> (Brack.) Copel.	maku'e, pauoa	Endemic	fern	2,3
<i>Ctenitis rubiginosa</i> (Brack.) Copel.	maku'e, pauoa	Endemic	fern	2,3
<i>Ctenitis squamigera</i> (Hook. & Arn.) Copel.	pauoa	Endemic (R) (N)	fern	3
<i>Dryopteris fusco-atra</i> (Hbd.) Rob.	'i'i	Endemic	fern	2,3
<i>Dryopteris glabra</i> (Brack.) O. Kuntze	kilau	Endemic	fern	2,3
<i>Dryopteris wallichiana</i> (Spreng.) Hyl.*	lau-kahi	Endemic	fern	2,3
<i>Dryopteris unidentata</i> (Hook. & Arn.) C. Chr. var. <i>unidentata</i>	'akole	Endemic	fern	2,3
<i>Dryopteris</i> sp. nov.		Endemic	fern	3
<i>Polystichum haleakalense</i> Brack.	papa'oi, ka'upu	Endemic (N)	fern	3
<i>Tectaria gaudichaudii</i> (Mett.) Maxon	'iwa'iwa-lau-nui	Endemic	fern	1,2
ASPLENIACEAE:				
Spleenwort Family				
<i>Asplenium acuminatum</i> Hook. & Arn	lola	Endemic	fern	2,3
<i>Asplenium contiguum</i> Kaulf.*		Endemic	fern	2,3
<i>Asplenium horridum</i> Kaulf.	'alae, 'iwa	Indigenous	fern	2,3
<i>Asplenium kaulfussii</i> Schlecht.	kuau	Endemic	fern	2,3

<i>Asplenium lobulatum</i> Mett.	pi'ipi'i-lau- manamana, 'anali'i	Indigenous	fern	2,3
<i>Asplenium macraei</i> Hook. & Grev.	'iwa'iwa-lau-li'i	Endemic	fern	3
<i>Asplenium monanthes</i> L.		Indigenous (N)	fern	2,3
<i>Asplenium nidus</i> L.	'ekaha, bird's nest fern	Indigenous	fern	1,2
<i>Asplenium normale</i> Don		Indigenous	fern	2,3
<i>Asplenium polyodon</i> Forst W.*		Indigenous (N)	fern	2,3
<i>Asplenium schizophyllum</i> C. Chr.		Endemic (R) (N)	fern	2,3
<i>Asplenium unilaterale</i> Lam.	pamoho	Indigenous	fern	1,2,3
ATHYRIACEAE:				
Lady Fern Family				
<i>Athyriopsis japonica</i> (Thunb.) Ching*		Alien	fern	1,2,3
<i>Athyrium dilatatum</i> (Blume) Milde*		Indigenous	fern	2
<i>Athyrium marginale</i> (Hbd.)		Endemic	fern	3
<i>Athyrium microphyllum</i> (Sm.) Alston	'akolea	Endemic	fern	1,2,3
<i>Diplazium sandwichianum</i> (Presl) Diels*	pohole, ho'i'o	Endemic	fern	1,2,3
BLECHNACEAE:				
Blechnum Family				
<i>Blechnum occidentale</i> L.	blechnum	Alien	fern	1,2
<i>Doodia kunthiana</i> Gaud.	'okupukupu- lau-li'i	Endemic	fern	1
<i>Sadleria cyatheoides</i> Kaulf.	'ama'u	Endemic	fern	2,3
<i>Sadleria pallida</i> Hook. & Arn.	'ama'u	Endemic	fern	1,2,3
<i>Sadleria souleyetiana</i> (Gaud.) Moore	'ama'u	Endemic	fern	2,3
<i>Sadleria squarrosa</i> (Gaud.) Mann	'apu'u	Endemic	fern	1,2,3
CYATHEACEAE				
<i>Cyathea australis</i> (R. Brown) Copel.	Australian tree fern	Alien (D) (N)	fern	2
DENNSTAEDTIACEAE				
<i>Microlepia strigosa</i> (Thunb.) Presl	palapalai, palai	Indigenous	fern	1,2,3

TAXON	COMMON NAME	STATUS	LIFE FORM	ELEV. ZONE
DICKSONIACEAE:				
Dicksonia Family				
Cibotium chamissoi Kaulf.	hapu'u-'i'i, 'i'i	Endemic	fern	1,2,3
Cibotium glaucum (J. Sm.) Hook. & Arn.	hapu'u-pulu	Endemic	fern	1,2,3
Cibotium splendens (Gaud.) Krajina ex Skottsbo.	hapu'u-pulu	Endemic	fern	1
ELAPHOGLOSSACEAE:				
Elaphoglossum alatum Gaud.				
var. parvisquamum (Skottsbo.) Anders. & Crosby	'ekaha	Endemic	fern	2,3
Elaphoglossum crassifolium (Gaud.) Anders. & Crosby				
	'ekaha	Endemic	fern	1,2,3
Elaphoglossum hirtum (Sw.) C. Chr.				
var. micans (Mett.) C. Chr.	'ekaha, maku'e	Endemic	fern	2,3
Elaphoglossum wawrae (Luer.) C. Chr.	'ekaha	Endemic	fern	2,3
GLEICHENIACEAE:				
Uluhe Family				
Dicranopteris linearis (Burm.) Underwood				
	uluhe	Indigenous	fern	1,2,3
Diplopterygium pinnatum (Kunze) Nakai*				
	uluhe-lau-nui	Indigenous	fern	2,3
Sticherus owyhiensis (Hook.) Ching	uluhe	Endemic	fern	2,3
GRAMMITIDACEAE:				
Grammitis Family				
Adenophorus hymenophylloides (Kaulf.) Hook. & Grev.				
	pai, palai-huna	Endemic	fern	2,3



<i>Adenophorus pinnatifidus</i> Gaud.	kihi, kihe	Endemic	fern	1,2,3
<i>Adenophorus tamariscinus</i> (Kaulf.) Hook. & Grev.	wahine-noho-mauna	Endemic	fern	2,3
<i>Adenophorus tripinnatifidus</i> Gaud.	wahine-noho-mauna	Endemic	fern	2,3
<i>Grammitis hookeri</i> (Brack.) Copel.*	maku'e-lau-li'i	Endemic	fern	2,3
<i>Grammitis tenella</i> Kaulf.	kolokolo, mahina-lua	Endemic	fern	2,3
<i>Xiphopteris saffordii</i> (Maxon) Copel.	kihe, kihi	Endemic	fern	2,3
<b>HEMIONITIDACEAE</b>				
<i>Coniogramme pilosa</i> (Brack.) Hieron.	lo'ulu	Endemic	fern	2,3
<i>Pityrogramma calomelanos</i> (L.) Link	silver fern	Alien	fern	1,2
<b>HYMENOPHYLLACEAE:</b>				
Filmy Fern Family				
<i>Callistopteris baldwinii</i> (Eaton) Copel.		Endemic	fern	2,3
<i>Gonocormus minutus</i> (Blume) v.d. Bosch		Indigenous	fern	1
<i>Gonocormus prolifer</i> (Blume) Prantl		Indigenous (R) (N)	fern	3
<i>Mecodium recurvum</i> (Gaud.) Copel.	'ohi'a-ku	Endemic	fern	1,2,3
<i>Sphaerocionium lanceolatum</i> (Hook. & Arn.) Copel.	palai-hinahina	Endemic	fern	1,2,3
<i>Vandenboschia cyrtotheca</i> (Hbd.) Copel.	palai-hihi	Endemic	fern	1,2
<i>Vandenboschia davallioides</i> (Gaud.) Copel.	kilau, kalau, palai-hihi	Endemic	fern	1,2,3
<i>Vandenboschia draytoniana</i> (Brack.) Copel.		Endemic (R)	fern	1
<b>HYPOLEPIDACEAE</b>				
<i>Hypolepis punctata</i> (Thunb.) Mett.	olua, mana	Indigenous	fern	2,3
<i>Pteridium aquilinum</i> (L.) Kuhn var. <i>decompositum</i> (Gaud.) Tryon	kilau-a-pueo, brackenfern	Endemic	fern	3

TAXON	COMMON NAME	STATUS	LIFE FORM	ELEV. ZONE
LINDSAEACEAE:				
Lindsaea Family				
Lindsaea repens (Bory) Thwaites				
var. macraeana (Hook. & Arn.) Mett. ex Kuhn*	lau-ku-kahi	Indigenous	fern	2
Sphenomeris chinensis (L.) Maxon*	pala'a	Indigenous	fern	1,2,3
MARATTIACEAE:				
Marattia Family				
Marattia douglasii (Presl) Baker	pala	Indigenous (R)	fern	2,3
NEPHROLEPIDACEAE				
Nephrolepis biserrata (Sw.) Schott				
cv. furcans	fishtail fern	Alien	fern	1
Nephrolepis cordifolia (L.) Presl	ni'ani'au	Indigenous	fern	2,3
Nephrolepis exaltata (L.) Schott	kupukupu	Indigenous	fern	1,2,3
OPHIOGLOSSACEAE:				
Adder's Tongue Family				
Ophioglossum pendulum L.				
subsp. falcatum (Presl) Clausen*	puapua-moa	Indigenous	fern	1,2
POLYPODIACEAE:				
Polypody Family				
Phymatosorus scolopendria (Burm.) Pic.-Ser.*	laua'e, lauwa'e	Alien	fern	1
Pleopeltis thunbergiana Kaulf.	'ekaha-'akolea, pakahakaha	Indigenous	fern	1,2,3
Polypodium pellucidum Kaulf.*	'ae	Endemic	fern	2,3

PTERIDACEAE

Pteris cretica L.	'owali	Indigenous	fern	2,3
Pteris excelsa Gaud.	waimaka-nui, 'iwa	Endemic	fern	2,3
Pteris irregularis Kaulf.	mana, 'iwa-puakea	Endemic	fern	2,3

THELYPTERIDACEAE:

Thelypteris Family

Amauropelta globulifera (Brack.) Holtt.	palapalai-a- Kama-pua'a	Endemic	fern	2,3
Christella boydiae (Eaton) Holtt.		Endemic (R)	fern	2
Christella cyatheoides (Kaulf.) Holtt.	kikawaio, pakikawaio	Endemic	fern	1,2
Christella dentata (Forsk.) Brownsey & Jermy	oak fern	Alien	fern	1
Christella parasitica (L.) Lévl.	downy wood fern	Alien	fern	1,2
Cyclosorus interruptus (Willd.) H. Ito	neke	Indigenous	fern	1,2
Pneumatopteris sandwicensis (Brack.) Holtt.	ho'i'o-kula	Endemic	fern	1,2,3
Pseudophegopteris keraudreniana (Gaud.) Holtt.	waimaka-nui	Endemic	fern	2,3

VITTARIACEAE:

Vittaria Family

Vittaria elongata Sw.	'ohe'ohe	Indigenous	fern	1
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TAXON	COMMON NAME	STATUS	LIFE FORM	ELEV. ZONE
<u>MONOCOTYLEDONAE</u>				
AMARYLLIDACEAE (AGAVACEAE):				
Amaryllis Family				
Agave sisalana Perrine ex Engelm.*	sisal	Alien	herb	1
Hippeastrum puniceum (Lam.) Urb.*	Barbados lily	Alien	herb	1 (cult.)
Pancratium littorale Jacq.	spider lily	Alien	herb	1
ARACEAE:				
Arum Family				
Alocasia macrorrhiza (L.) Sweet*	'ape	Poly. Intro.	herb	1
Colocasia esculenta (L.) Schott	taro, kalo	Poly. Intro.	herb	1
Philodendron sp.	philodendron	Alien	vine	1
Scindapsus aureus (Lind. ex André) Engl.*	taro vine	Alien	vine	1
BROMELIACEAE:				
Pineapple Family				
Ananas comosus (Stickm.) Merr.	pineapple	Alien	herb	1 (cult.)
CANNACEAE:				
Canna Family				
Canna indica L.	Indian-shot, ali'ipoe	Alien	herb	1
COMMELINACEAE:				
Spiderwort Family				
Commelina diffusa Burm. f.	honohono, day flower	Alien (D)	herb	1,2

## CYPERACEAE:

## Sedge Family

<i>Carex alligata</i> F. Boott		Endemic	grass	1,2,3
<i>Carex macloviana</i> D'Urv.				
var. <i>subfusca</i> (W. Boott) Kuek.*	St. Malo's sedge	Indigenous (N)	grass	3
<i>Carex pluvia</i> R. W. Krauss*		Endemic (N)	grass	3
<i>Carex wahuensis</i> C. A. Mey.		Endemic	grass	1,2,3
<i>Carex</i> sp.		Alien	grass	1,2
<i>Cladium leptostachyum</i> Nees & Meyen*	'uki	Endemic (N)	grass	2
<i>Cyperus brevifolius</i> (Rottb.) Hassk.*	kili'o'opu	Alien	grass	1,2,3
<i>Cyperus ferax</i> L.C. Rich				
var. <i>auriculatus</i> (Nees & Meyen)				
Kuek.*	pu'uka'a	Indigenous	grass	2
<i>Cyperus haspan</i> L.*		Alien	grass	1,2,3
<i>Cyperus javanicus</i> Houtt.*	'ahu'awa	Indigenous	grass	1
<i>Cyperus kyllinga</i> Endl.*	kyllinga	Alien	grass	1,2
<i>Cyperus polystachyus</i> Rottb.*		Indigenous	grass	1
<i>Cyperus</i> sp.		Alien	grass	1
<i>Eleocharis obtusa</i> (Willd.) Schult.	pipi-wai, kohekohe	Indigenous	grass	1,2,3
<i>Fimbristylis dichotoma</i> (L.) Vahl	tall fringe rush	Indigenous	grass	1
<i>Fimbristylis pycnocephala</i> Hbd.*		Indigenous	grass	1
<i>Machaerina angustifolia</i> (Gaud.) Koyama	'uki	Indigenous	grass	1,2,3
<i>Machaerina gahniaeformis</i> (Gaud.) Kern*	'uki	Endemic (N)	grass	3
<i>Machaerina mariscoides</i> (Gaud.) Kern				
subsp. <i>meyenii</i> (Kunth) Koyama	'uki, 'aha-niu	Indigenous	grass	2,3
<i>Oreobolus furcatus</i> Mann		Endemic	grass	3
<i>Rhynchospora caduca</i> Elliott +		Alien (D) (N)	grass	1,2,3
<i>Rhynchospora lavarum</i> Gaud.*	kuolohia	Endemic	grass	1,2
<i>Scirpus validus</i> Vahl*	neki, 'aka'akai, great bulrush	Indigenous	grass	1
<i>Scirpus</i> sp.		Unknown	grass	1
<i>Uncinia uncinata</i> (L. f.) Kuek.		Indigenous	grass	2,3
Unidentified sedge #1		Unknown	grass	2
Unidentified sedge #2		Unknown	grass	2

TAXON	COMMON NAME	STATUS	LIFE FORM	ELEV. ZONE
DIOSCOREACEAE:				
Yam Family				
<i>Dioscorea bulbifera</i> L.	hoi	Poly. Intro.	vine	1
<i>Dioscorea pentaphylla</i> L.	pi'a	Poly. Intro.	vine	1
<i>Dioscorea</i> sp.		Poly. Intro.	vine	1
GRAMINEAE (POACEAE):				
Grass Family				
<i>Andropogon virginicus</i> L.	broomsedge	Alien (D)	grass	1,2,3
<i>Anthoxanthum odoratum</i> L.	sweet vernal grass	Alien	grass	3
<i>Axonopus affinis</i> Chase*	narrow-leaved carpet grass	Alien	grass	2,3
<i>Axonopus compressus</i> (Sw.) Beauv.*	broad-leaved carpetgrass	Alien	grass	1,2
<i>Bambusa</i> sp. ?	'ohe, bamboo	Alien (D)	grass	1
<i>Brachiaria mutica</i> (Forsk.) Stapf	California grass	Alien (D)	grass	1
<i>Chrysopogon aciculatus</i> (Retz.) Trin.*	golden beardgrass	Alien	grass	1
<i>Coix lachryma-jobi</i> L.	Job's tears	Alien	grass	1
<i>Cynodon dactylon</i> (L.) Pers.	Bermuda grass	Alien	grass	1
<i>Deschampsia australis</i> Nees ex Steud.*		Endemic	grass	2,3
<i>Digitaria adscendens</i> (HBK.) Henr.*	Henry's crabgrass	Alien	grass	1
<i>Digitaria decumbens</i> Stent*	pangolagrass	Alien	grass	1
<i>Digitaria pruriens</i> (Fisch. ex Trin.) Buse* +	kukae-pua'a	Poly Intro.	grass	1
<i>Digitaria sanguinalis</i> (L.) Heist. in Scop.*	large crabgrass	Alien	grass	1
<i>Echinochloa colona</i> (L.) Link	jungle-rice	Alien	grass	1
<i>Echinochloa crusgalli</i> (L.) Beauv.	barnyard grass	Alien	grass	1
<i>Eleusine indica</i> (L.) Gaertn.	wiregrass	Alien	grass	1

<i>Eragrostis grandis</i> Hbd.	large Hawaiian lovegrass	Endemic	grass	2,3
<i>Festuca</i> sp.		Alien	grass	3
<i>Garnotia sandwicensis</i> Hbd.*		Endemic	grass	2
<i>Holcus lanatus</i> L.	velvetgrass	Alien (D)	grass	2,3
<i>Isachne distichophylla</i> Munro ex Hbd.	'ohe	Endemic (N)	grass	2
<i>Melinis minutiflora</i> Beauv.	molassesgrass	Alien (D)	grass	1,2,3
<i>Microlaena stipoides</i> (Labill.) R. Br.*	meadow ricegrass	Alien (D) (N)	grass	3
<i>Oplismenus hirtellus</i> (L.) Beauv.	honohono-kukui, basketgrass	Alien	grass	1,2
<i>Panicum maximum</i> Jacq.	Guinea grass	Alien (D)	grass	1
<i>Paspalum conjugatum</i> Berg.	Hilo grass	Alien (D)	grass	1,2,3
<i>Paspalum dilatatum</i> Poir.	dallis grass	Alien	grass	1,2
<i>Paspalum orbiculare</i> Forst. f.*	ricegrass	Alien	grass	1
<i>Paspalum urvillei</i> Steud.	Vaseygrass	Alien (D)	grass	1,2
<i>Paspalum</i> sp.		Alien	grass	1
<i>Pennisetum clandestinum</i> Hochst. ex Chiov.*	kikuyugrass	Alien (D)	grass	1
<i>Pennisetum purpureum</i> Schumach.	elephantgrass, napierggrass	Alien	grass	1
<i>Poa pratensis</i> L.	Kentucky bluegrass	Alien (N)	grass	3
<i>Saccharum officinarum</i> L.	ko, sugarcane	Poly. Intro.	grass	1
<i>Sacciolepis indica</i> (L.) Chase	Glenwoodgrass	Alien	grass	1,2,3
<i>Setaria geniculata</i> (Poir.) Beauv.*	perennial foxtail	Alien	grass	1,2
<i>Setaria palmaefolia</i> (Koen.) Stapf*	palmgrass	Alien (D)	grass	1
<i>Sorghastrum nutans</i> (L.) Nash in Small	Indian grass	Alien	grass	1
<i>Sporobolus africanus</i> (Poir.) Robyns & Tournay	African dropseed	Alien	grass	1
<i>Sporobolus diander</i> (Retz.) Beauv.	Indian dropseed	Alien	grass	1
<i>Sporobolus indicus</i> (L.) R. Br.	West Indian dropseed	Alien	grass	1
<i>Sporobolus</i> sp.		Alien	grass	1
<i>Stenotaphrum secundatum</i> (Walt.) Ktze.	buffalo grass	Alien	grass	1

TAXON	COMMON NAME	STATUS	LIFE FORM	ELEV. ZONE
IRIDACEAE:				
Iris Family				
Sisyrinchium acre Mann	mau'u-la'ili	Endemic (R)	herb	3
JOINVILLEACEAE (FLAGELLARIACEAE):				
Flagellaria Family				
Joinvillea ascendens Brongn. & Gris. subsp. ascendens*	'ohe	Endemic (R)	grass	2,3
JUNACEAE:				
Rush Family				
Iuzula hawaiiensis Buch.		Endemic	grass	3
LEMNACEAE:				
Duckweed Family				
Lemna minor L.	duckweed	Alien	herb	1
LILIACEAE:				
Lily Family				
Astelia degeneri Skottsbo.*	pa'iniu	Endemic	herb	2,3
Astelia forbesii Skottsbo. subsp. pachysperma Skottsbo.*	pa'iniu	Endemic	herb	2,3
Cordyline terminalis (L.) Kunth*	ti, ki	Poly. Intro.	shrub	1,2
Smilax sandwicensis Kunth*	hoi-kuahiwi	Endemic	vine	2,3
MUSACEAE:				
Banana Family				
Heliconia spp.	heliconia	Alien	herb	1 (cult.)
Musa sp.	mai'a, banana	Alien	herb	1,2



ORCHIDACEAE:

Orchid Family

Anoectochilus sandwicensis Lindl.	honohono orchid	Endemic (R)	herb	2,3
Arundina bambusaefolia (Roxb.) Lind.*	bamboo orchid	Alien (N)	herb	2
Habenaria repens Nutt.		Alien	herb	1
Liparis hawaiiensis Mann	'awapuhi-a-Kanaloa	Endemic (R)	herb	2,3
Spathoglottis plicata Bl.	Philippine ground orchid	Alien	herb	1,2

PALMAE (ARECACEAE):

Palm Family

Cocos nucifera L.	niu, coconut	Poly. Intro.	tree	1
Phoenix sp.	date palm	Alien	tree	1 (cult.)
Pritchardia sp.	loulu	Endemic (R) (N)	tree	2,3

PANDANACEAE:

Screw-pine Family

Freycinetia arborea Gaud.	'ie'ie	Endemic	vine	1,2,3
Pandanus tectorius Warb.*	hala	Indigenous	tree	1

ZINGIBERACEAE:

Ginger Family

Alpinia purpurata (Vieill.) K. Schum.	red ginger	Alien	herb	1 (cult.)
Costus speciosus (Koenig in Retz.) Sm.*	spiral flag	Alien	herb	1 (cult.)
Curcuma domestica Valet.*	'olena, turmeric	Poly. Intro.	herb	1 (cult.)
Hedychium coronarium Koenig in Retz.*	'awapuhi-ke'oke'o, white ginger	Alien (D)	herb	1
Hedychium flavescens Carey in Roscoe*	'awapuhi-melemele, yellow ginger	Alien (D)	herb	1
Hedychium gardnerianum Roscoe*	kahili ginger	Alien (D)	herb	2
Phacomeria speciosa (Bl.) Koord.	torch ginger	Alien	herb	1 (cult.)
Zingiber zerumbet (L.) Roscoe in Sm.*	'awapuhi	Poly. Intro.	herb	1
Unidentified ginger		Alien	herb	2

TAXON	COMMON NAME	STATUS	LIFE FORM	ELEV. ZONE
<u>DICOTYLEDONAE</u>				
AIZOACEAE:				
Carpetweed Family				
Sesuvium portulacastrum (L.) L.	'akulikuli	Indigenous	herb	1
AMARANTHACEAE:				
Amaranth Family				
Alternanthera sessilis (L.)				
R. Br. ex R. & S.*	sessile joyweed	Alien	herb	1
Amaranthus spinosus L.	spiny amaranth	Alien	herb	1
ANACARDIACEAE:				
Mango Family				
Mangifera indica L.	mango	Alien	tree	1
Schinus terebinthifolius Raddi	Christmas berry	Alien (D)	shrub, tree	1
APOCYNACEAE:				
Periwinkle Family				
Alyxia olivaeformis Gaud.*	maile	Endemic	vine	1,2,3
Catharanthus roseus (L.) G. Don	Madagascar periwinkle	Alien	herb	1
Plumeria rubra L.	red plumeria	Alien	shrub, tree	1 (cult.)
AQUIFOLIACEAE:				
Holly Family				
Ilex anomala H. & A.	kawa'u	Endemic	tree	2,3

## ARALIACEAE:

Ginseng Family

*Cheirodendron trigynum*var. *confertiflorum* Sherff\*

'olapa

Endemic

tree

2,3

*Tetraplasandra kavaiensis* (Mann) Sherffvar. *dipyrena* (Mann) Sherff\*

'ohe'ohe

Endemic (R) (N)

tree

2,3

*Tetraplasandra meandra* (Hbd.) Harmsvar. *mauiensis* Sherff\*

'ohe-mauka

Endemic

tree

1,2,3

## ASCLEPIADACEAE:

Milkweed Family

*Gomphocarpus physocarpus* E. Mey.\*

balloon plant

Alien

herb

1

## BALSAMINACEAE:

Balsam Family

*Impatiens sultani* Hook. f.\*

impatiens

Alien

herb

1

## BEGONIACEAE:

Begonia Family

*Hillebrandia sandwicensis* Oliver

pua-maka-nui

Endemic (R)

herb

3

## BIGNONIACEAE:

Bignonia Family

*Spathodea campanulata* Beauv.

African tulip tree

Alien (D)

tree

1,2

## BORAGINACEAE:

Heliotrope Family

*Cordia subcordata* Lam.

kou

Poly. Intro.

tree

1 (cult.)

## CARICACEAE:

Papaya Family

*Carica papaya* L.

papaya

Alien

shrub, tree

1

TAXON	COMMON NAME	STATUS	LIFE FORM	ELEV. ZONE
<b>CARYOPHYLLACEAE:</b>				
Pink Family				
<i>Cerastium vulgatum</i> L.*	larger mouse ear chickweed	Alien (N)	herb	3
<i>Drymaria cordata</i> (L.) Willd. ex R. & S.	pipili	Alien	herb	1,2,3
<i>Schiedea diffusa</i> Gray		Endemic (R)	vine	2,3
<b>CASUARINACEAE:</b>				
Casuarina Family				
<i>Casuarina equisetifolia</i> Stickm.*	common ironwood	Alien (D)	tree	1
<b>CELASTRACEAE:</b>				
Bittersweet Family				
<i>Perrottetia sandwicensis</i> Gray	olomea	Endemic	tree	2,3
<b>COMBRETACEAE:</b>				
Terminalia Family				
<i>Terminalia catappa</i> L.	false kamani	Alien	tree	1
<b>COMPOSITAE (ASTERACEAE):</b>				
Sunflower Family				
<i>Adenostemma lavenia</i> (L.) Ktze.	kamanamana	Indigenous (N)	herb	2
<i>Ageratum conyzoides</i> L.	maile-honohono	Alien	herb	1,2
<i>Argyroxiphium forbesii</i> St. John*	greensword	Endemic (R)	herb	3
<i>Argyroxiphium grayanum</i> (Hbd.) Deg. +	greensword	Endemic (R)	herb	3
<i>Bidens hillebrandiana</i> (Drake) Deg.	ko'oko'olau	Endemic	herb	1
<i>Bidens mauiensis</i> (Gray) Sherff	ko'oko'olau	Endemic	herb	1
<i>Bidens pentamera</i> (Sherff) Deg. & Sherff *	ko'oko'olau	Endemic (N)	herb	2,3
<i>Bidens pilosa</i> L.	Spanish needle	Alien	herb	1,2

<i>Cirsium vulgare</i> (Savi) Tenore	bull thistle	Alien	herb	1,2,3
<i>Crassocephalum crepidioides</i> (Benth.) S. Moore +		Alien (N)	herb	2,3
<i>Crepis pulchra</i> L.*	European hawksbeard	Alien	herb	1
<i>Dubautia dolosa</i> (Degener & Sherff) G. Carr +	na'ena'e	Endemic (R) (N)	shrub	3
<i>Dubautia dolosa</i> (Degener & Sherff) G. Carr x <i>D. scabra</i> (DC.) Keck +	na'ena'e	Endemic	shrub	3
<i>Dubautia menziesii</i> (A. Gray) Keck x <i>D. reticulata</i> (Sherff) Keck +	na'ena'e	Endemic	shrub	3
<i>Dubautia plantaginea</i> Gaud. subsp. <i>plantaginea</i> +	na'ena'e	Endemic	shrub	2,3
<i>Dubautia plantaginea</i> Gaud. subsp. <i>plantaginea</i> x <i>D. scabra</i> (DC.) Keck +	na'ena'e	Endemic	shrub	2,3
<i>Dubautia platyphylla</i> (A. Gray) Keck +	na'ena'e	Endemic (N)	shrub	3
<i>Dubautia scabra</i> (DC.) Keck +	kupaoa	Endemic (N)	shrub	3
<i>Eclipta alba</i> (L.) Hassk.	false daisy	Alien	herb	1
<i>Emilia javanica</i> (Burm.f.) C.B. Robins*	red pua-lele	Alien	herb	1
<i>Emilia sonchifolia</i> (L.) DC.	lilac pua-lele	Alien	herb	1
<i>Erechtites hieracifolia</i> (L.) Raf.*	fireweed	Alien	herb	1
<i>Erechtites valerianaefolia</i> (Wolf) DC.*		Alien	herb	2,3
<i>Erigeron bonariensis</i> L.*	hairy horseweed	Alien	herb	1,2,3
<i>Erigeron canadensis</i> L.*	Canada fleabane	Alien	herb	2
<i>Eupatorium adenophorum</i> Spreng.*	Mauai pa-makani	Alien (D)	herb	1,2,3,
<i>Eupatorium riparium</i> Regel*	spreading mist flower	Alien (D)	herb	1,2,3
<i>Gnaphalium japonicum</i> Thunb.		Alien (N)	herb	3
<i>Hypochoeris radicata</i> L.	gosmore	Alien	herb	2,3
<i>Keysseria lavandula</i> St. John*		Endemic (R)	herb	3
<i>Lagenophora viridis</i> St. John*	howai-a-ulu	Endemic (R)	herb	3
<i>Lapsana communis</i> L.	nipplewort	Alien (N)	herb	2,3
<i>Pluchea odorata</i> (L.) Cass.*	sourbush	Alien	shrub	1,2
<i>Senecio sylvaticus</i> L.	wood groundsel	Alien	herb	1

TAXON	COMMON NAME	STATUS	LIFE FORM	ELEV. ZONE
Senecio vulgaris L.	common groundsel	Alien	herb	1,2,3
Siegesbeckia orientalis L.	small yellow crown-beard	Alien	herb	1
Sonchus oleraceus L.	sow thistle	Alien	herb	1,2,3
Synedrella nodiflora (L.) Gaertn.	nodeweed	Alien	herb	1
Taraxacum officinale (L.) Weber in Wiggers*	dandelion	Alien	herb	1
Tridax procumbens L.	coat buttons	Alien	herb	1
Vernonia cinerea (L.) Less.	ironweed	Alien	herb	1
Xanthium saccharatum Wallr.*	cocklebur	Alien	herb	1
Youngia japonica (L.) DC.	oriental hawksbeard	Alien	herb	1,2,3
CONVOLVULACEAE:				
Morning-glory Family				
Ipomoea alba L.	moon flower	Alien	vine	1
Ipomoea batatas (L.) Poir.*	'uala, sweet potato	Poly. Intro.	vine	1
Ipomoea brasiliensis (L.) Sweet*	pohuehue	Indigenous	vine	1
Ipomoea congesta R. Br.*	koali-'awa	Indigenous	vine	1
Ipomoea sp.	morning-glory	Alien	vine	1
Ipomoea sp.	morning-glory	Unknown	vine	1
CRASSULACEAE:				
Orpine Family				
Kalanchoë pinnata (Lam.) Pers.	air plant	Alien	herb	1
Kalanchoë tubiflora (Harv.) Hamet*		Alien	herb	1 (cult.)
Kalanchoë sp.		Alien	herb	1 (cult.)

CRUCIFERAE (BRASSICACEAE):

Mustard Family

Cardamine flexuosa With.	bittercress	Alien (N)	herb	2,3
Coronopus didymus (L.) Sm.	swine cress	Alien	herb	1
Nasturtium microphyllum Boenn. ex Reichenb.*	watercress, leko	Alien	herb	1

CUCURBITACEAE:

Gourd Family

Momordica charantia L.	wild bitter melon	Alien	vine	1
Sicyos sp.		Endemic (R)	vine	2,3

EPACRIDACEAE:

Epacris Family

Styphelia douglasii (Gray) F. Muell. ex Skottsb.*	pukiawe	Endemic	shrub	3
Styphelia tameiameia (Cham.) F. Muell. var. tameiameia*	pukiawe	Indigenous	shrub	2,3
Styphelia tameiameia (Cham.) F. Muell. var. brownii (Gray) St. John*	pukiawe	Endemic	shrub	3

ERICACEAE:

Heath Family

Vaccinium berberifolium (Gray) Skottsb.*	'ohelo	Endemic	shrub	3
Vaccinium calycinum Sm.	'ohelo-kau-la'au	Endemic	shrub, tree	2,3
Vaccinium dentatum Sm.	'ohelo	Endemic	shrub	2,3
Vaccinium reticulatum Sm.	'ohelo	Endemic	shrub	2,3

EUPHORBIACEAE:

Spurge Family

Aleurites moluccana (L.) Willd.	kukui	Poly. Intro.	tree	1,2
Antidesma platyphyllum Mann	hame, mehame	Endemic	tree	1,2
Claoxylon sandwicense Muell.-Arg. var. magnifolium Sherff*	po'ola	Endemic	shrub, tree	1,2

TAXON	COMMON NAME	STATUS	LIFE FORM	ELEV. ZONE
<i>Euphorbia geniculata</i> Ortega*	wild spurge	Alien	herb	1
<i>Euphorbia hirta</i> L.*	garden spurge, hairy spurge	Alien	herb	1
<i>Euphorbia pulcherrima</i> Willd. ex Klotzsch	poinsettia	Alien	shrub	1 (cult.)
<i>Manihot esculenta</i> Crantz	cassava	Alien	shrub	1 (cult.)
<i>Manihot glaziovii</i> Muell-Arg.	ceara rubber	Alien	shrub	1
<i>Ricinus communis</i> L.	castor bean	Alien	shrub, tree	1
FLACOURTIACEAE:				
Flacourtia Family				
<i>Xylosma hawaiiense</i> Seem.				
var. <i>hillebrandii</i> (Wawra) Sleumer*	maua, a'e	Endemic (R)	tree	2
GERANIACEAE:				
Geranium Family				
<i>Geranium arboreum</i> A. Gray	red-flowered geranium	Endemic (R)	shrub, tree	3
<i>Geranium carolinianum</i> L.	Carolina crane's bill	Alien	herb	2,3
var. <i>australe</i> (Benth.) Fosb.*				
<i>Geranium multiflorum</i> Gray				
var. <i>ovatifolium</i> (Gray) Fosb.*	hinahina, noho-anu	Endemic (R)	shrub	3
GESNERIACEAE:				
Gloxinia Family				
<i>Cyrtandra kipahuluensis</i> St. John*	ha'i-wale	Endemic	shrub	2,3
<i>Cyrtandra lysiosepala</i> (Gray) C.B. Clarke*	ha'i-wale	Endemic (R)	shrub	2
<i>Cyrtandra mauiensis</i> Rock*	'ilihia, ha'i-wale	Endemic	shrub	2,3



<i>Cyrtandra paludosa</i> Gaud.				
var. <i>irrostrata</i> St. John*	hahala, ha'i-wale	Endemic	shrub	2,3
<i>Cyrtandra rotata</i> St. John*	ha'i-wale	Endemic	shrub	2,3
<i>Cyrtandra spathulata</i> St. John	ha'i-wale	Endemic	shrub	1,2
<i>Cyrtandra</i> spp.	ha'i-wale, kanawao-ke'oke'o	Endemic	shrub	1,2,3
GOODENIACEAE:				
Naupaka Family				
<i>Scaevola chamissoniana</i> Gaud.	naupaka-kuahiwi	Endemic	shrub	1,2,3
<i>Scaevola taccada</i> (Gaertn.) Roxb.*	naupaka-kahakai	Indigenous	shrub	1
GUNNERACEAE:*				
Gunnera Family				
<i>Gunnera mauiensis</i> (Krajina) St. John*	'ape'ape	Endemic	herb	2,3
LABIATAE (LAMIACEAE):				
Mint Family				
<i>Coleus blumei</i> Benth.*	coleus	Alien	herb	1
<i>Phyllostegia</i> aff. <i>ambigua</i> (A. Gray)		Endemic (N)	vine	2
Hillebr. +		Endemic (R)	vine	2
<i>Phyllostegia macrophylla</i> (Gaud.) Benth.				
var. <i>remyi</i> Sherff*				
<i>Plectranthus parviflorus</i> Willd.	'ala'ala-wai-nui, spurflower	Indigenous	herb	1
<i>Prunella vulgaris</i> L.	self-heal	Alien	herb	2,3
<i>Stenogyne kamehamehae</i> Wawra		Endemic	vine	2,3
<i>Stenogyne rotundifolia</i> Gray	pua'a-i-naka	Endemic (R)	vine	3
<i>Stenogyne</i> sp.		Endemic	vine	3
LAURACEAE:				
Laurel Family				
<i>Persea americana</i> Mill.	avocado	Alien	tree	1

TAXON	COMMON NAME	STATUS	LIFE FORM	ELEV. ZONE
LEGUMINOSAE (FABACEAE):				
Pea Family				
Acacia koa Gray	koa	Endemic	tree	1,2,3
Canavalia cathartica Thouars	mauna-loa	Alien	vine	1
Cassia bicapsularis L.*		Alien	shrub	1
Cassia leschenaultiana DC.*	partridge pea	Alien	herb, shrub	1
Cassia occidentalis L.*	coffee senna	Alien	shrub	1
Cassia surattensis Burm. f.*	kolomona	Alien	herb, shrub	1
Crotalaria mucronata Desv.	smooth rattle-pod	Alien	shrub	1
Desmodium canum (Gmel.) Schinz & Thell.*	Spanish clover	Alien	herb	1
Desmodium triflorum (L.) DC.	three-flowered beggarweed	Alien	herb	1
Desmodium uncinatum (Jacq.) DC.*	Spanish clover	Alien	herb	2
Erythrina variegata Stickm.				
var. orientalis (L.) Merr.	tiger's claw	Alien	tree	1 (cult.)
Indigofera suffruticosa Mill.	indigo	Alien	shrub	1
Indigofera sp.		Alien	herb	1
Leucaena leucocephala (Lam.) de Wit	koa-haole	Alien (D)	shrub	1
Mimosa pudica L.	sensitive plant	Alien	herb, shrub	1
Mucuna gigantea (Willd.) DC.	ka'e'e	Indigenous	vine	1
Sophora chrysophylla (Salisb.) Seem.				
var. chrysophylla forma haleakalaensis Chock*	mamane	Endemic	shrub, tree	3
Strongylodon ruber Vogel	nuku-'i'iwi	Endemic (R)	vine	2
Vigna marina (Burm.) Merr.	nanea, mohihihi	Indigenous	vine	1
LOBELIACEAE (CAMPANULACEAE in part):*				
Lobelia Family				
Clermontia arborescens (Mann) Hbd.	'oha-wai-nui	Endemic	shrub, tree	2,3
Clermontia kakeana Walp*	'oha-wai	Endemic	shrub	2,3

Clermontia kakeana Walp				
var. orientalis St. John*	'oha-wai	Endemic	shrub	3
Clermontia reticulata St. John*		Endemic (R)	shrub	2,3
Clermontia rosacea St. John*		Endemic	shrub	3
Clermontia tuberculata Forbes	warty clermontia	Endemic (R)	shrub	3
Clermontia spp.	'oha	Endemic	shrub	1
Cyanea aculeatiflora Rock	hahanui, haha	Endemic (R)	shrub	2,3
Cyanea angustifolia (Cham.) Hbd.	'aku	Endemic (R)	shrub	2
Cyanea bicolor St. John*		Endemic (R)	shrub	3
Cyanea bishopii Rock*		Endemic (N)	shrub	2,3
Cyanea grimesiana Gaud.	kue-nui	Endemic (R)	shrub	2
Cyanea hamatiflora Rock*		Endemic (R)	shrub	3
Cyanea haleakalaensis St. John*		Endemic (R) (N)	shrub	2
Cyanea holophylla Hbd.				
var. obovata Rock*		Endemic (R)	shrub	2
Cyanea horrida (Rock) Deg. & Hosaka	hahanui, prickly cyanea	Endemic (R)	shrub	2,3
Cyanea macrostegia Hbd.		Endemic (R)	shrub	2
Cyanea multispicata Lévl.*		Endemic (R)	shrub	2
Cyanea scabra Hbd.				
var. sinuata Rock*	hahanui	Endemic (R)	shrub	2
Cyanea scabra Hbd.				
var. variabilis Rock*		Endemic (R)	shrub	2
Cyanea spp.		Endemic	shrub	2
Lobelia gaudichaudii DC.				
var. gloria-montis (Rock)				
St. John & Hosaka*		Endemic (R) (N)	shrub	3
Lobelia grayana E. Wimm.*		Endemic	shrub	2,3
Lobelia hypoleuca Hbd.	liua	Endemic (R)	shrub	2
Trematolobelia macrostachys (H. & A.)				
Zahlbr. var. haleakalaensis				
St. John *	koli'i	Endemic	shrub	1,2,3

TAXON	COMMON NAME	STATUS	LIFE FORM	ELEV. ZONE
<b>LOGANIACEAE:</b>				
Strychnine Family				
Labordia glabra Hbd.				
var. orientalis Sherff*	kamakahala	Endemic (R)	shrub	2,3
Labordia hedyosmifolia Baill.				
var. centralis (Skottsb.) St. John*	kamakahala	Endemic	shrub	2,3
Labordia venosa Sherff	kamakahala	Endemic (N)	shrub	3
Labordia sp.	kamakahala	Endemic	shrub	1
<b>LORANIACEAE (VISCACEAE):</b>				
Mistletoe Family				
Korthalsella complanata (v. Tiegh.) Engler	hulu-moa	Endemic	parasite	2,3
Korthalsella cylindrica (v. Tiegh.) Engler	hulu-moa	Endemic (N)	parasite	3
<b>LYTHRACEAE:</b>				
Loosestrife Family				
Cuphea carthagenensis (Jacq.) Macbride	tarweed	Alien	herb	1,2,3
Lythrum maritimum HBK.*	pukamole	Alien	herb, shrub	1,2,3
<b>MAGNOLIACEAE:</b>				
Magnolia Family				
Michelia champaca L.	mulang	Alien	tree	1 (cult.)
<b>MALVACEAE:</b>				
Hibiscus Family				
Abutilon grandifolium (Willd.) Sweet	hairy abutilon	Alien	shrub	2,3
Hibiscus tiliaceus L.	hau	Indigenous	shrub, tree	1

Hibiscus youngianus Gaud. ex H. & A.*		hau-hele	Endemic	shrub	1
Malvaviscus arboreus Cav.*		turk's cap	Alien	shrub	1
Sida cordifolia L.*		'ilima	Indigenous	shrub	1
Sida rhombifolia L.		Cuba jute	Alien	shrub	1
Thespesia populnea (L.) Soland. ex Correa*		milo	Poly. Intro.	tree	1
Urena lobata L.		aramina	Alien	shrub	1
<b>MENISPERMACEAE:</b>					
Moonseed Family					
Cocculus ferrandianus Gaud.*		huehue	Endemic	vine	1,2,3
<b>MORACEAE:</b>					
Mulberry Family					
Artocarpus altilis (Parkins ex Z.) Fosb.		'ulu, breadfruit	Poly. Intro.	tree	1
Broussonetia papyrifera (L.) Vent.		wauke	Poly. Intro.	shrub	1 (cult.)
Ficus microcarpa L. f.		Chinese banyan	Alien	tree	1
Ficus platypoda A. Cunn. ex Miq. var. petiolaris Benth.		Australian fig	Alien	tree	1 (cult.?)
<b>MYRSINACEAE:</b>					
Myrsine Family					
Ardisia crispa (Thunb.) A. DC.*		hen's eyes	Alien	shrub	1
Ardisia humilis Vahl*		shoebutton ardisia	Alien (D)	shrub	1
Embelia pacifica Hbd.		kilioe	Endemic (R)	vine	2,3
Myrsine emarginata (Rock) Hosaka		kolea	Endemic (N)	tree	2,3
Myrsine lessertiana A. DC.		kolea-lau-nui	Endemic	tree	1,2,3
Myrsine sandwicensis A. DC. var. mauiensis Lévl.*		kolea-lau-li'i	Endemic	shrub, tree	2
<b>MYRTACEAE:</b>					
Myrtle Family					
Eucalyptus robusta Sm.		swamp mahogany	Alien	tree	1
Eugenia cumini (L.) Druce*		Java plum	Alien (D)	tree	1

TAXON	COMMON NAME	STATUS	LIFE FORM	ELEV. ZONE
<i>Eugenia jambos</i> L.*	rose apple	Alien (D)	tree	1,2
<i>Eugenia malaccensis</i> L.*	mountain apple	Poly. Intro.	tree	1
<i>Eugenia sandwicensis</i> Gray*	'ohi'a-ha	Endemic	tree	1,2
<i>Melaleuca leucadendra</i> (Stickm.) L.*	paperbark	Alien (D)	shrub, tree	1
<i>Metrosideros polymorpha</i> Gaud.	'ohi'a-lehua	Endemic	shrub, tree	1,2,3
<i>Psidium cattleianum</i> Sabine f. <i>cattleianum</i>	waiawi-'ula'ula, strawberry guava	Alien (D)	shrub, tree	1,2
<i>Psidium cattleianum</i> Sabine f. <i>lucidum</i> Deg.*	waiawi, yellow strawberry guava	Alien (D)	shrub, tree	1,2
<i>Psidium guajava</i> L.	guava, kuawa	Alien (D)	shrub, tree	1,2
NYCTAGINACEAE:				
Four o'clock Family				
<i>Mirabilis jalapa</i> L.	four o'clock	Alien	shrub	1
<i>Pisonia umbellifera</i> (J.R. & G. Forst.) Seem.	papala-kepau	Indigenous	tree	1
ONAGRACEAE:				
Evening primrose Family				
<i>Epilobium cinereum</i> A. Rich*	willow herb	Alien (N)	herb	2,3
<i>Ludwigia octovalvis</i> (Jacq.) Raven +	kamole	Poly. Intro.	herb, shrub	1,2
<i>Ludwigia palustris</i> (L.) Ell.	water purslane	Alien	herb	1,2
OXALIDACEAE:				
Wood sorrel Family				
<i>Oxalis corniculata</i> L. var. <i>corniculata</i> +	yellow wood sorrel	Poly. Intro.	herb	1,2
<i>Oxalis martiana</i> Zucc.*	pink wood sorrel	Alien	herb	1

PASSIFLORACEAE:

Passion flower Family

Passiflora edulis Sims	liliko'i	Alien	vine	1
Passiflora foetida L.	pohapoha, scarlet-fruited passionflower	Alien	vine	1
Passiflora pulchella HBK.*	two-lobed passionflower	Alien	vine	1
Passiflora subpeltata Ortega	white passionflower	Alien	vine	1

PHYTOLACCACEAE:

Pokeberry Family

Phytolacca sandwicensis Endl.	popolo-ku-mai	Endemic	shrub	2
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PIPERACEAE:

Pepper Family

Peperomia cookiana C. DC.				
var. cookiana*	'ala'ala-wai-wai	Endemic	herb	2,3
Peperomia cookiana C. DC.				
var. flavinerva (C. DC.) Yuncker*	'ala'ala-wai-nui	Endemic	herb	2
Peperomia eekana C. DC.	'ala'ala-wai-nui	Endemic	herb	2,3
Peperomia erythroclada C. DC.*	'ala'ala-wai-nui	Endemic	herb	2,3
Peperomia expallescens C. DC.	'ala'ala-wai-nui	Endemic	herb	2,3
Peperomia globulanthera C. DC.	'ala'ala-wai-nui	Endemic	herb	1,2,3
Peperomia hirtipetiola C. DC.	'ala'ala-wai-nui	Endemic	herb	2
Peperomia kipahuluensis St. John & C. Lamoureux	'ala'ala-wai-nui	Endemic	herb	2,3
Peperomia latifolia Miq.	'ala'ala-wai-nui	Endemic	herb	1,2
Peperomia leptostachya H. & A.	'ala'ala-wai-nui	Indigenous	herb	1,2,3
Peperomia ligustrina Hbd.				
var. oopuolana Yuncker*	'ala'ala-wai-nui	Endemic	herb	2,3
Peperomia lilifolia C. DC.*	'ala'ala-wai-nui	Endemic	herb	1,2,3
Peperomia lilifolia C. D.C.				
var. nudilimba (C. DC.) Yuncker*	'ala'ala-wai-nui	Endemic	herb	2

TAXON	COMMON NAME	STATUS	LIFE FORM	ELEV. ZONE
<i>Peperomia macraeana</i> C. DC.	'ala'ala-wai-nui	Endemic (N)	herb	2
<i>Peperomia tetraphylla</i> (Forst. f.) H. & A.	'ala'ala-wai-nui	Indigenous	herb	1,2,3
PITTOSPORACEAE:				
Pittosporum Family				
<i>Pittosporum confertiflorum</i> Gray	ho'awa	Endemic	shrub, tree	2,3
<i>Pittosporum glabrum</i> H. & A. var. <i>tinifolium</i> Sherff*	ho'awa	Endemic (R)	shrub, tree	2,3
<i>Pittosporum insigne</i> Hbd.*	ho'awa	Endemic	shrub, tree	1,2,3
PLANTAGINACEAE:				
Plantain Family				
<i>Plantago lanceolata</i> L.	narrow-leaved plantain	Alien	herb	3
<i>Plantago major</i> L.	lau-kahi	Alien	herb	1,2
<i>Plantago pachyphylla</i> Gray	manene	Endemic (R)	herb	3
<i>Plantago princeps</i> C. & S. var. <i>laxifolia</i> Gray	ale	Endemic (R) (N)	shrub	2
POLYGONACEAE:				
Buckwheat Family				
<i>Polygonum glabrum</i> Willd.	knotweed	Alien	herb	2
<i>Polygonum punctatum</i> Ell.	water smartweed	Alien (N)	herb	2
<i>Rumex acetosella</i> L.	sheep sorrel	Alien	herb	2,3
<i>Rumex giganteus</i> Ait.	pawale	Endemic	vine	2,3
PORTULACACEAE:				
Purslane Family				
<i>Portulaca lutea</i> Soland. ex Forst. f.	'ihi	Indigenous	herb	1
<i>Portulaca oleracea</i> L.	common purslane	Alien	herb	1



PRIMULACEAE:

Primrose Family

<i>Lysimachia hillebrandii</i> Hook f. ex Gray	pua-hekili	Endemic (R)	shrub	3
<i>Lysimachia kipahuluensis</i> St. John*		Endemic	shrub	2,3
<i>Lysimachia remyi</i> Hbd.		Endemic	herb	3

ROSACEAE:

Rose Family

<i>Fragaria chiloensis</i> (L.) Duch.	'ohelo-papa,	Indigenous (R)	herb	3
var. <i>sandwicensis</i> Deg. & Deg.*	wild strawberry			
<i>Rubus hawaiiensis</i> Gray	'akala	Endemic	shrub	2,3
<i>Rubus macraei</i> Gray	'akala	Endemic	shrub	3
<i>Rubus rosaefolius</i> Sm.*	thimbleberry	Alien	shrub	1,2,3

RUBIACEAE:

Coffee Family

<i>Bobea elatior</i> Gaud.	'ahakea-lau-nui	Endemic (N)	tree	1,2
<i>Coffea arabica</i> L.	Arabian coffee	Alien	shrub	1
<i>Coffea</i> sp.	coffee	Alien	shrub	1
<i>Coprosma ernodeoides</i> Gray	kukae-nene,	Endemic	shrub, vine	3
var. <i>mauiensis</i> St. John*	lepo-nene			
<i>Coprosma foliosa</i> Gray	pilo	Endemic (N)	tree	2
<i>Coprosma montana</i> Hbd.	pilo	Endemic (N)	shrub, tree	3
<i>Coprosma ochracea</i> Oliver	pilo	Endemic (N)	shrub, tree	2,3
<i>Coprosma pubens</i> Gray		Endemic	shrub, tree	2,3
var. <i>pubens</i>	pilo			
<i>Coprosma stephanocarpa</i> Hbd.*	pilo	Endemic	shrub, tree	2,3
<i>Gardenia remyi</i> Mann	nanu, na'u	Endemic (R)	shrub, tree	1
<i>Gouldia hillebrandii</i> Fosb.		Endemic	shrub, tree	1,2,3
var. <i>hillebrandii</i> *	manono			
<i>Gouldia terminalis</i> (H. & A.) Hbd.*	manono	Endemic	shrub, tree	1,2,3
<i>Gouldia terminalis</i> (H. & A.) Hbd.		Endemic	tree	3
var. <i>cordata</i> (Wawra) Fosb.*	manono			
<i>Gouldia terminalis</i> (H. & A.) Hbd.		Endemic	shrub, tree	2,3
var. <i>ovata</i> (Wawra) Fosb.*	manono			

TAXON	COMMON NAME	STATUS	LIFE FORM	ELEV. ZONE
Hedyotis acuminata (C. & S.) Steud. var. acuminata forma obovata Fosb.*	au	Endemic	shrub	1,2,3
Hedyotis acuminata (C. & S.) Steud. forma forbesii Fosb.*	au	Endemic	shrub	1,2,3
Hedyotis centranthoides (H. & A.) Steud. var. centranthoides forma vestita Fosb.*		Endemic	shrub	2,3
Hedyotis sp.		Endemic	shrub	1
Morinda citrifolia L.	noni	Poly. Intro.	shrub	1
Nertera granadensis (L.f.) Druce var. insularis Skottsbo.*	makole	Endemic	herb, vine	2,3
Psychotria hawaiiensis (Gray) Fosb.	kopiko	Endemic (N)	tree	2,3
Psychotria mariniana (C. & S.) Fosb.	kopiko	Endemic	shrub, tree	1
Psychotria mauiensis Fosb.	kopiko	Endemic (N)	tree	2
RUTACEAE:				
Citrus Family				
Citrus sp.		Alien	shrub, tree	1 (cult.)
Pelea anapanapaensis St. John*	alani	Endemic	shrub, tree	3
Pelea balloui Rock	alani	Endemic (R) (N)	tree	2
Pelea clusiaefolia Gray*	alani	Endemic	shrub, tree	2,3
Pelea clusiaefolia Gray var. minor St. John*	alani	Endemic	tree	2
Pelea clusiaefolia Gray var. minor St. John forma stenophylla St. John*	alani	Endemic	tree	2
Pelea kipahuluensis St. John*	alani	Endemic	tree	2
Pelea molokaiensis Hbd.	alani	Endemic (N)	shrub, tree	2
Pelea volcanica Gray	alani	Endemic	shrub, tree	2,3
Pelea spp.	alani	Endemic	shrub, tree	1,2,3

Platydesma spathulata (Gray) Stone var. pallida (Hbd.) Stone*	pilo-kea	Endemic (R)	shrub, tree	2
SAPINDACEAE:				
Soapberry Family				
Dodonaea viscosa L. +	'a'ali'i	Indigenous	shrub, tree	2,3
SAPOTACEAE:				
Sapodilla Family				
Planchonella sandwicensis (Gray) Pierre*	aulu, ala'a, kaulu	Endemic (R)	tree	1
SAXIFRAGACEAE:*				
Saxifrage Family				
Broussaisia arguta Gaud. var. arguta forma ternata Forbes ex Skottsb.*	pu'aha-nui, kanawao	Endemic	shrub	2,3
SCROPHULARIACEAE:				
Figwort Family				
Bacopa monniera (L.) Wettst.	water hyssop	Indigenous	herb	1
Castilleja arvensis Schlecht. & Cham.	field Indian paintbrush	Alien	herb	1,2,3
SOLANACEAE:				
Nightshade Family				
Capsicum annum L.	red pepper, nioi	Alien	herb, shrub	1
Lycium sandwicense Gray	'ohelo-kai	Indigenous	herb	1
Nothocestrum sp.	'aiea	Endemic (R)	shrub, tree	2
Solanum incompletum Dunal in A. DC. var. mauiensis Hbd.*	popolo-ku-mai	Endemic (R)	shrub	2
Solanum nigrum L.*	popolo	Indigenous	herb	1,2
Solanum sodomium L.*	apple of sodom	Alien	shrub	1

TAXON	COMMON NAME	STATUS	LIFE FORM	ELEV. ZONE
THYMELAEACEAE:				
'Akia Family				
Wikstroemia sp.	'akia	Endemic	shrub	2,3
TILIACEAE:				
Linden Family				
Heliocarpus popayaensis HBK.*	white moho	Alien	shrub, tree	1
Triumfetta semitriloba (L.) Jacq.*	burbush	Alien	shrub	1
UIMACEAE:				
Elm Family				
Trema sp.		Alien	tree	1
UMBELLIFERAE (APIACEAE):				
Carrot Family				
Centella asiatica (L.) Urban	Asiatic pennywort, pohe kula	Alien	herb	1
Hydrocotyle verticillata Thunb.	whorled marsh pennywort, pohe	Alien	herb	1,2,3
Sanicula sandwicensis Gray	tall Hawaiian sanicula	Endemic (R)	herb	3
URTICACEAE:				
Nettle Family				
Pilea peploides (Gaud.) H. & A.		Indigenous	herb	1,2,3
Pipturus albidus (H. & A.) Gray in Mann	mamaki	Endemic	shrub	1,2
Pipturus rockii Skottsb.*	mamaki	Endemic	shrub	2
Touchardia latifolia Gaud.	olona	Endemic	shrub	1,2,3
Urera sandwicensis Wedd.*	opuhe	Endemic (R)	shrub, tree	1,2,3

VERBENACEAE:

Verbena Family

Lantana camara L.	lantana	Alien (D)	shrub	1
Stachytarpheta jamaicensis (L.) Vahl	Jamaica vervain, oi	Alien	shrub	1
Stachytarpheta urticaefolia (Salisb.) Sims*	nettle-leaved vervain	Alien	shrub	1,2



APPENDIX A  
LIST OF EQUIVALENT NAMES

(Names Used in Checklist versus Names According to Other Authorities)

FERNS

<u>LAMOUREUX</u> (as in checklist)	<u>W. H. WAGNER</u> (1981)
<i>Adiantum raddianum</i>	<i>Adiantum cuneatum</i> Langsd. & Fisch.
<i>Arachniodes carvifolia</i>	<i>Rumohra carvifolia</i> (Kze.) Ching
<i>Asplenium contiguum</i> Kaulf.	<i>Asplenium contiguum</i> Lam.
<i>Asplenium polyodon</i>	<i>Asplenium falcatum</i> Lam.
<i>Athyriopsis japonica</i>	<i>Athyrium japonicum</i> (Thunb.) Copel.
<i>Athyrium dilatatum</i>	<i>Athyrium maximum</i> (Don.) Milde
<i>Diplazium sandwichianum</i>	<i>Athyrium sandwichianum</i> Presl
<i>Diplopterygium pinnatum</i>	<i>Hicriopteris pinnata</i> (Kunze) Ching
<i>Dryopteris wallichiana</i>	<i>Dryopteris paleacea</i> (Sw.) C. Chr.
<i>Grammitis hookeri</i> (Brack.) Copel.	<i>Grammitis hookeri</i> (Kaulf.) Copel.
<i>Lindsaea repens</i>	<i>Lindsaea macraeana</i> (Hook. & Arn.) Copel.
var. <i>macraeana</i>	
<i>Ophioglossum pendulum</i> L.	<i>Ophioglossum pendulum</i> L.
subsp. <i>falcatum</i> (Presl) Clausen	
<i>Phymatosorus scolopendria</i>	<i>Microsorium scolopendrium</i> (Burm.) Copel.
<i>Polypodium pellucidum</i>	<i>Polypodium pellucidum</i> Kaulf. var. <i>pellucidum</i>
<i>Selaginella arbuscula</i>	<i>Selaginella menziesii</i> Spring.
<i>Sphenomeris chinensis</i>	<i>Sphenomeris chusana</i> (L.) Copel.

## APPENDIX A, continued.

## MONOCOTYLEDONS

ST. JOHN (1973) (as in checklist)

Agave sisalana Perrine ex Englm.  
 Alocasia macrorrhiza (L.) Sweet  
 Arundina bambusaefolia

Astelia degeneri  
 Astelia forbesii  
     subsp. pachysperma  
 Axonopus affinis

Axonopus compressus  
 Carex macloviana D.Urv.  
     var. subfusca  
     (W. Boott) Kuek.

Carex pluvia  
 Chrysopogon aciculatus  
 Cladium leptostachyum

Cordyline terminalis

Costus speciosus  
     (Koenig in Retz.) Sm.

Curcuma domestica  
 Cyperus brevifolius  
 Cyperus ferax  
     var. auriculatus

Cyperus haspan  
 Cyperus javanicus

Cyperus kyllinga

Cyperus polystachyus

Deschampsia australis  
 Digitaria adscendens  
 Digitaria decumbens  
 Digitaria pruriens

Digitaria sanguinalis  
 Fimbristylis pycnocephala  
 Garnotia sandwicensis

Hedychium coronarium Koenig  
     in Retz.

Hedychium flavescens Carey  
     in Roscoe

WAGNER, HERBST, and SOHMER

Agave sisalana Perrine  
 Alocasia macrorrhiza (L.) Schott  
 Arundina graminifolia (D. Don)  
     Hochr.

Astelia menziesiana Sm.  
 Astelia menziesiana Sw.

Axonopus fissifolius (Raddi)  
     Kuhl.

Not recognized  
 Carex macloviana Dum. d'Urv.  
     subsp. subfusca (W. Boott)  
     T. Koyama

Carex alligata Boott

Indigenous?

Cladium jamaicense Crantz,  
     Indigenous

Cordyline fruticosa (L.) A. Chev.,  
     transferred to Agavaceae

Costus speciosus (J. König) Sm.,  
     transferred to Costaceae

Curcuma longa L.

Kyllinga brevifolia Rottb.

Torulinum odoratum (L.)  
     S. Hooper subsp. auriculatus  
     (Nees & Meyen) T. Koyama

Cyperus halpan L.

Mariscus javanicus (Houtt.)  
     Merr. & Metcalfe

Kyllinga nemoralis (J.R. Forster  
     &ampamp G. Forster) Dandy ex  
     Hutchinson & Dalziel

Pycreus polystachyos (Rottb.)  
     P. Beauv.

Deschampsia nubigena Hillbr.

Digitaria ciliaris (Retz.) Koeler

Digitaria pentzii Stent

Digitaria setigera Roth,

Indigenous?

Digitaria ciliaris (Retz.) Koeler

Fimbristylis cymosa R. Br.

Garnotia acutigluma (Steud.) Ohwi,  
     Alien

Hedychium coronarium J. König

Hedychium flavescens N. Carey ex  
     Roscoe



## APPENDIX A, continued.

<u>ST. JOHN (1973)</u> (as in checklist)	<u>WAGNER, HERBST, and SOHMER</u>
Hedychium gardnerianum Roscoe	Hedychium gardnerianum Ker-Gawl.
Hippeastrum puniceum	Transferred to Liliaceae
Joinvillea ascendens Brongn. & Gris. subsp. ascendens	Joinvillea ascendens Gaud. ex Brongn. & Gris. subsp. ascendens
Machaerina gahniaeformis	Gahnia gahniiformis (Gaud.) A. Heller
Microlaena stipoides	Ehrharta stipoides Labill.
Pandanus tectorius Warb.	Pandanus tectorius Parkinson ex Z.
Paspalum orbiculare	Paspalum scrobiculatum L.
Pennisetum clandestinum Hochst. ex Chiov.	Pennisetum clandestinum Chiov.
Rhynchospora lavarum	Rhynchospora rugosa (Vahl) Gale subsp. lavarum (Gaud.) T. Koyama
Scindapsus aureus	Epipremnum pinnatum (L.) Engl.
Scirpus validus	Schoenoplectus lacustris (L.) Palla subsp. validus (Vahl) T. Koyama
Setaria geniculata	Setaria gracilis Kunth
Setaria palmaefolia	Setaria palmifolia (J. König) Stapf
Smilax sandwicensis	Smilax melastomifolia Sm., transferred to Smilacaceae
Zingiber zerumbet (L.) Roscoe	Zingiber zerumbet (L.) Sm.

DICOTYLEDONS

Alternanthera sessilis R. Br. ex R. & S.	Alternanthera sessilis (L.) DC.
Alyxia olivaeformis	Alyxia oliviformis Gaud.
Ardisia crispa	Ardisia crenata Sims
Ardisia humilis	Ardisia elliptica Thunb.
Argyroxiphium forbesii	Argyroxiphium virescens Hillebr.
Bidens pentamera	Bidens campylothea Schultz-Bip. subsp. pentamera (Sherff) Ganders & Nagata
Broussaisia arguta var. pellucida	Broussaisia arguta Gaud.
Cassia bicapsularis	Senna pendula (Humb. & Bonpl. ex Willd.) H. Irwin & Barneby H. Irwin & Barneby
Cassia leschenaultiana	Chamaecrista nictitans (L.) Moench
Cassia occidentalis	Senna occidentalis (L.) Link
Cassia surattensis	Senna surattensis (N. L. Burm.) H. Irwin & Barneby

## APPENDIX A, continued.

<u>ST. JOHN (1973) (as in checklist)</u>	<u>WAGNER, HERBST, and SOHMER</u>
Casuarina equisetifolia Stickm.	Casuarina equisetifolia L.
Cerastium vulgatum	Cerastium fontanum Baumg.
Cheirodendron trigynum	Cheirodendron trigynum (Gaud.)
var. confertiflorum	A. Heller
Claoxylon sandwicense	Claoxylon sandwicense Mull. Arg.
var. magnifolium	
Clermontia kakeana Walp	Clermontia kakeana Meyen
Clermontia kakeana Walp	Clermontia kakeana Meyen
var. orientalis	
Clermontia reticulata	Clermontia grandiflora Gaud.
Clermontia rosacea	Clermontia samuelii C. Forbes
Cocculus ferrandianus	Cocculus trilobus (Thunb.) DC.
Coleus blumei	Plectranthus scutellarioides (L.)
	R. Br.
Coprosma ernodeoides	Coprosma ernodeoides A. Gray
var. mauiensis	
Coprosma stephanocarpa	Coprosma foliosa A. Gray
Crepis pulchra	Crepis capillaris (L.) Wallr.
Cyanea bicolor	Cyanea macrostegia Hillebr.
Cyanea bishopii	Cyanea kunthiana Hillebr.
Cyanea haleakalaensis	Cyanea copelandii Rock
	subsp. haleakalaensis
	(St. John) Lammers
Cyanea hamatiflora	Cyanea hamatiflora Rock
	subsp. hamatiflora
Cyanea holophylla	Cyanea glabra (F. Wimmer) St. John
var. obovata	
Cyanea multispicata	Cyanea fissa (H. Mann) Hillebr.
Cyanea scabra	Cyanea glabra (F. Wimmer) St. John
var. variabilis	
Cyanea scabra	Cyanea solanacea Hillebr.
var. sinuata	
Cyrtandra kipahuluensis	Not recognized
Cyrtandra lysiosepala (E. Maui)	Cyrtandra hashimotoi Rock
Cyrtandra mauiensis	Cyrtandra platyphylla A. Gray
Cyrtandra paludosa	Cyrtandra paludosa Gaud.
var. irrostrata	
Cyrtandra rotata	Cyrtandra grayi C. B. Clarke
Desmodium canum	Desmodium incanum DC.
Desmodium uncinatum	Desmodium sandwicense E. Mey.
Emilia javanica	Emilia fosbergii Nicolson
Epilobium cinereum	Epilobium billardierianum Ser.
	subsp. cinereum (A. Rich.)
	Raven & Engelhorn
Erechtites hieracifolia (L.) Raf.	Erechtites hieracifolia (L.) Raf.
	ex. DC
Erechtites valerianaefolia	Erechtites valerianifolia (Wolf)
	DC
Erigeron bonariensis	Conyza bonariensis (L.) Cronq.
Erigeron canadensis	Conyza canadensis (L.) Cronq.

## APPENDIX A, continued.

<u>ST. JOHN (1973) (as in checklist)</u>	<u>WAGNER, HERBST, and SOHMER</u>
<i>Eugenia cumini</i>	<i>Syzygium cumini</i> (L.) Skeels
<i>Eugenia jambos</i>	<i>Syzygium jambos</i> (L.) Alston
<i>Eugenia malaccensis</i>	<i>Syzygium malaccense</i> (L.) Merr. & Perry
<i>Eugenia sandwicensis</i>	<i>Syzygium sandwicensis</i> (A. Gray) Nied.
<i>Eupatorium adenophorum</i>	<i>Ageratina adenophora</i> (Spreng.) R. King & H. Robinson
<i>Eupatorium riparium</i> Regel	<i>Ageratina riparia</i> (Regel) R. King & H. Robinson
<i>Euphorbia geniculata</i>	<i>Euphorbia heterophylla</i> L.
<i>Euphorbia hirta</i>	<i>Chamaesyce hirta</i> (L.) Millsp.
<i>Fragaria chiloensis</i>	<i>Fragaria chiloensis</i> (L.) Duchesne
var. <i>sandwicensis</i>	subsp. <i>sandwicensis</i> (Decne.) Staudt
<i>Geranium carolinianum</i>	<i>Geranium homeanum</i> Turcz.
var. <i>australe</i>	
<i>Geranium multiflorum</i>	<i>Geranium multiflorum</i> A. Gray
var. <i>ovatifolium</i>	
<i>Gomphocarpus physocarpus</i>	<i>Asclepias physocarpa</i> (E. Mey.) Schlechter
<i>Gouldia hillebrandii</i>	<i>Hedyotis hillebrandii</i> (Fosb.) W.L. Wagner & Herbst
<i>Gouldia terminalis</i>	<i>Hedyotis terminalis</i> (Hook. & Arnott) W.L. Wagner & Herbst, no var. or f. recognized
	<i>Hedyotis terminalis</i> (Hook. & Arnott) W.L. Wagner & Herbst
<i>Gouldia terminalis</i>	<i>Hedyotis terminalis</i> (Hook. & Arnott) W.L. Wagner & Herbst
var. <i>cordata</i>	
<i>Gouldia terminalis</i>	<i>Gunnera petaloidea</i> Gaud.
var. <i>ovata</i>	Transferred to Haloragaceae
<i>Gunnera mauiensis</i>	<i>Hedyotis acuminata</i> (Cham. & Schlechtend.) Steud.
Gunneraceae	
<i>Hedyotis acuminata</i>	
var. <i>acuminata</i>	
f. <i>forbesii</i>	
<i>Hedyotis acuminata</i>	<i>Hedyotis acuminata</i> (Cham. & Schlechtend.) Steud.
var. <i>acuminata</i>	
f. <i>obovata</i>	
<i>Hedyotis centranthoides</i>	<i>Hedyotis centranthoides</i> (Hook. & Arnott) Steud.
var. <i>centranthoides</i>	
f. <i>vestita</i>	
<i>Hibiscus youngianus</i>	<i>Hibiscus furcellatus</i> Desr., Indigenous
<i>Heliocarpus popayaensis</i> HBK.	<i>Heliocarpus popayanensis</i> Kunth
<i>Impatiens sultani</i>	<i>Impatiens wallerana</i> J.D. Hook.
<i>Ipomoea batatas</i> (L.) Poir.	<i>Ipomoea batatas</i> (L.) Lam.
<i>Ipomoea brasiliensis</i>	<i>Ipomoea pes-caprae</i> (L.) R. Br.
<i>Ipomoea congesta</i>	<i>Ipomoea indica</i> (J. Burm.) Merr.
<i>Kalanchoë tubiflora</i> (Harv.) Hamet	<i>Kalanchoë tubiflora</i> (Harv.) Raym.-Hamet

## APPENDIX A, continued.

<u>ST. JOHN (1973) (as in checklist)</u>	<u>WAGNER, HERBST, and SOHMER</u>
Keysseria lavandula	Lagenifera maviensis H. Mann
Labordia glabra	Labordia hedyosmifolia Baill.
var. orientalis	
Labordia hedyosmifolia	Labordia hedyosmifolia Baill.
var. centralis	
Lagenophora viridis	Lagenifera maviensis H. Mann
Lobeliaceae	Transferred to Campanulaceae
Lobelia gaudichaudii	Lobelia gloria-montis Rock
var. gloria-montis	
Lobelia grayana E. Wimm.	Lobelia grayana F. Wimmer
Lysimachia kipahuluensis	Lysimachia remyi Hillebr.
Lythrum maritimum	Indigenous
Malvaviscus arboreus	Malvaviscus penduliflorus DC
Melaleuca leucadendra	Melaleuca quinquenervia (Cav.) S.T. Blake
Myrsine sandwicensis	Myrsine sandwicensis A. DC.
var. mauiensis	
Nasturtium microphyllum Boenn.	Nasturtium microphyllum (Boenn.) Reichenb.
ex Reichenb.	
Nertera granadensis	Nertera granadensis (L. fil) Druce, Indigenous
var. insularis	
Oxalis martiana	Oxalis corymbosa DC.
Passiflora pulchella HBK.	Passiflora pulchella Kunth
Pelea anapanapaensis	Pelea volcanica A. Gray
Pelea clusiaefolia	Pelea clusiifolia A. Gray
Pelea clusiaefolia	Pelea clusiifolia A. Gray
var. minor	
Pelea clusiaefolia	Pelea clusiifolia A. Gray
var. minor	
f. stenophylla	
Pelea kipahuluensis	Pelea volcanica A. Gray
Peperomia cookiana	Peperomia cookiana C. DC.
var. cookiana	
Peperomia cookiana	Peperomia cookiana C. DC.
var. flavinerva	
Peperomia erythroclada	Peperomia obovatilimba C. DC.
Peperomia ligustrina	Peperomia ligustrina Hillebr.
var. ocpuolana	
Peperomia lilifolia	Peperomia macraeana C. DC.
Peperomia lilifolia	Peperomia macraeana C. DC.
var. nudilimba	
Phyllostegia macrophylla	Phyllostegia macrophylla (Gaud.) Benth.
var. remyi	
Pipturus rockii	Pipturus albidus (Hook. & Arnott) A. Gray
Pittosporum glabrum	Pittosporum glabrum Hook. & Arnott
var. tinifolium	
Pittosporum insigne	Pittosporum glabrum Hook. & Arnott

## APPENDIX A, continued.

<u>ST. JOHN (1973)</u> (as in checklist)	<u>WAGNER, HERBST, and SOHMER</u>
Planchonella sandwicensis	Pouteria sandwicensis (A. Gray) Baehni & Degener
Platydesma spathulata var. pallida	Platydesma spathulata (A. Gray) B. C. Stone
Pluchea odorata	Pluchea symphytifolia (Mill.) Gillis
Psidium cattleianum	Forms not recognized
Rubus rosaefolius	Rubus rosifolius Sm.
Saxifragaceae	Treated as Hydrangeaceae
Scaevola taccada	Scaevola sericea Vahl
Sida cordifolia	Alien
Solanum incompletum var. mauiensis	Solanum incompletum Dunal
Solanum nigrum	Solanum americanum Mill.
Solanum sodomeum	Solanum linnaeanum Hepper & Jaeger.
Sophora chrysophylla var. chrysophylla f. haleakalaensis	Sophora chrysophylla (Salisb.) Seem.
Stachytarpheta urticaefolia	Stachytarpheta urticifolia (Salisb.) Sims
Styphelia douglasii	Styphelia tameiameiae (Cham. & Schlecht.) F. v. Muell.
Styphelia tameiameiae var. brownii	Styphelia tameiameiae (Cham. & Schlecht.) F. v. Muell.
Styphelia tameiameiae var. tameiameiae	Styphelia tameiameiae (Cham. & Schlecht.) F. v. Muell.
Taraxacum officinale (L.) Weber	Taraxacum officinale W.W. Weber
Tetraplasandra kavaiensis var. dipyrena	Tetraplasandra kavaiensis (H. Mann) Sherff
Tetraplasandra meiandra var. mauiensis	Tetraplasandra oahuensis (A. Gray) Harms
Thespesia populnea	Indigenous?
Trematolobelia macrostachys var. haleakalaensis	Trematolobelia macrostachys (Hook. & Arnott) A. Zahlbr.
Triumfetta semitriloba (L.) Jacq.	Triumfetta semitriloba Jacq.
Urera sandwicensis	Urera glabra (Hook. & Arnott) Wedd.
Vaccinium berberifolium	Vaccinium reticulatum Sm.
Xanthium saccharatum	Xanthium strumarium L.
Xylosma hawaiiense var. hillebrandii	Xylosma hawaiiense Seem.

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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>
Argyroxiphium grayanum (on E. Maui)	Carr 1985
Crassocephalum crepidioides	Wagner, Herbst, and Sohmer
Digitaria pruriens	St. John 1978
Dodonaea viscosa	Wagner, Herbst, and Sohmer
Dubautia dolosa	Carr 1985
Dubautia dolosa x D. scabra	Carr 1985
Dubautia menziesii x D. reticulata	Carr 1985
Dubautia plantaginea	Carr 1985
Dubautia plantaginea x D. scabra	Carr 1985
Dubautia platyphylla	Carr 1985
Dubautia scabra	Carr 1985
Ludwigia octivalvis	St. John 1978
Oxalis corniculata	St. John 1978
Phyllostegia ambigua	Wagner, Herbst, and Sohmer

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APPENDIX C  
 PLANT TAXA FOUND IN KIPAHULU VALLEY, MAUI, THAT ARE  
 CANDIDATES UNDER REVIEW FOR ENDANGERED STATUS (1985)

<u>Taxon</u>	<u>Category*</u>	<u>Family</u>
<i>Ctenitis squamigera</i>	1	Aspidiaceae (Polypodiaceae)
<i>Cyanea scabra</i> (no var. listed)	2	Lobeliaceae (Campanulaceae)
<i>Cyrtandra lysiosepala</i> (3 var.)	2	Gesneriaceae
<i>Geranium arboreum</i>	1	Geraniaceae
<i>Geranium multiflorum</i> var. <i>ovatifolium</i>	2	Geraniaceae
<i>Labordia glabra</i> (no var. listed)	2	Loganiaceae
<i>Lysimachia hillebrandii</i>	1	Primulaceae
<i>Pelea balloui</i>	1	Rutaceae
<i>Pittosporum glabrum</i> var. <i>tinifolium</i>	3B	Pittosporaceae
<i>Plantago princeps</i> var. <i>laxifolia</i>	1	Plantaginaceae
<i>Sanicula sandwicensis</i>	2	Umbelliferae (Apiaceae)
<i>Solanum incompletum</i> (no var. listed)	1	Solanaceae
<i>Tetraplasandra kavaiensis</i> var. <i>dipyrena</i>	1	Araliaceae
<i>Vandenboschia draytoniana</i> (listed as <i>Trichomanes draytoniana</i> )	1	Hymenophyllaceae

\* 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.
- 3B = Taxa that have undergone taxonomic revision and are no longer being recognized.

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APPENDIX D  
RARE PLANTS OF KIPAHULU VALLEY, MAUI  
(Excluding Candidate Endangered Taxa)

<u>Taxon</u>	<u>Family</u>
Anoectochilus sandvicensis	Orchidaceae
Argyroxiphium forbesii	Compositae (Asteraceae)
Argyroxiphium grayanum	Compositae (Asteraceae)
Asplenium schizophyllum	Aspleniaceae
Christella boydiae	Thelypteridaceae
Clermontia reticulata	Lobeliaceae (Campanulaceae)
Clermontia tuberculata	Lobeliaceae (Campanulaceae)
Cyanea aculeatiflora	Lobeliaceae (Campanulaceae)
Cyanea angustifolia	Lobeliaceae (Campanulaceae)
Cyanea bicolor	Lobeliaceae (Campanulaceae)
Cyanea grimesiana	Lobeliaceae (Campanulaceae)
Cyanea hamatiflora	Lobeliaceae (Campanulaceae)
Cyanea haleakalaensis	Lobeliaceae (Campanulaceae)
Cyanea holophylla	Lobeliaceae (Campanulaceae)
var. obovata	
Cyanea horrida	Lobeliaceae (Campanulaceae)
Cyanea macrostegia	Lobeliaceae (Campanulaceae)
Cyanea multispicata	Lobeliaceae (Campanulaceae)
Dubautia dolosa	Compositae (Asteraceae)
Embelia pacifica	Myrsinaceae
Fragaria chiloensis	Rosaceae
var. sandwicensis	
Gardenia remyi	Rubiaceae
Gonocormus prolifer	Hymenophyllaceae
Hillebrandia sandwicensis	Begoniaceae
Joinvillea ascendens	Joinvilleaceae (Flagelleriaceae)
Keysseria lavandula	Compositae (Asteraceae)
Lagenophora viridis	Compositae (Asteraceae)
Liparis hawaiiensis	Orchidaceae
Lobelia gaudichaudii	Lobeliaceae (Campanulaceae)
var. gloria-montis	
Lobelia hypoleuca	Lobeliaceae (Campanulaceae)
Marattia douglasii	Marattiaceae
Nothocestrum sp.	Solanaceae
Phyllostegia macrophylla	Labiatae (Lamiaceae)
var. remyi	
Planchonella sandwicensis	Sapotaceae
Plantago pachyphylla	Plantaginaceae
Platydesma spathulata	Rutaceae
var. pallida	
Pritchardia sp.	Palmae (Arecaceae)
Schiedea diffusa	Caryophyllaceae

## APPENDIX D, continued.

<u>Taxon</u>	<u>Family</u>
Sicyos sp.	Cucurbitaceae
Sisyrinchium acre	Iridaceae
Stenogyne rotundifolia	Labiatae (Lamiaceae)
Strongylodon ruber	Leguminosae (Fabaceae)
Urera sandvicensis	Urticaceae
Xylosma hawaiiense var. hillebrandii	Flacourtiaceae

APPENDIX E  
DISRUPTIVE ALIEN PLANTS FOUND IN KIPAHULU VALLEY, MAUI

<u>Taxon</u>	<u>Family</u>
Andropogon virginicus	Gramineae (Poaceae)
Ardisia humilis	Myrsinaceae
Bambusa sp.	Gramineae (Poaceae)
Brachiaria mutica	Gramineae (Poaceae)
Casuarina equisetifolia	Casuarinaceae
Commelina diffusa	Commelinaceae
Cyathea australis	Cyatheaceae
Eugenia cumini	Myrtaceae
Eugenia jambos	Myrtaceae
Eupatorium adenophorum	Compositae (Asteraceae)
Eupatorium riparium	Compositae (Asteraceae)
Hedychium coronarium	Zingiberaceae
Hedychium flavescens	Zingiberaceae
Hedychium gardnerianum	Zingiberaceae
Holcus lanatus	Gramineae (Poaceae)
Lantana camara	Verbenaceae
Leucaena leucocephala	Leguminosae (Fabaceae)
Melaleuca leucadendra	Myrtaceae
Melinis minutiflora	Gramineae (Poaceae)
Microlaena stipoides	Gramineae (Poaceae)
Panicum maximum	Gramineae (Poaceae)
Paspalum conjugatum	Gramineae (Poaceae)
Paspalum urvillei	Gramineae (Poaceae)
Pennisetum clandestinum	Gramineae (Poaceae)
Psidium cattleianum	Myrtaceae
Psidium guajava	Myrtaceae
Rhynchospora caduca	Cyperaceae
Schinus terebinthifolius	Anacardiaceae
Setaria palmaefolia	Gramineae (Poaceae)
Spathodea campanulata	Bignoniaceae

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