

Checklist of Native and Naturalized Flowering Plants of Hawai'i

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ABSTRACT

An up-to-date checklist of the 1,817 species of native and naturalized flowering plants of the Hawaiian Archipelago is presented. The nomenclature and taxonomy follow the soon-to-be-published *Manual of the Flowering Plants of Hawai'i*. The taxa are presented alphabetically by family and subsequently within each successive hierarchical level (genus, species, and infraspecific ranks). The list includes all taxa accepted in the *Manual*, and for each the distributional status, endangerment status, and distribution within Hawai'i are given. The flowering plant flora consists of 146 families (87 with native taxa), 649 genera (216 with native taxa—165 dicot and 51 monocot), and 1,817 species (956 native species—850 endemic, 106 also occurring outside Hawai'i—and 861 naturalized species, 25 of which were introduced by the Polynesians before the Western discovery of the Hawaiian Islands in 1778).

INTRODUCTION

It has been 100 years since the publication of *Flora of the Hawaiian Islands* (Hillebrand 1888), the last complete flora of Hawai'i. This flora has served its purpose admirably, but numerous new botanical discoveries have been made since its publication. Considerable advances also have been made in the refinement of the classification and understanding of evolution in many genera. Furthermore, only about 140 naturalized angiosperms were known in the 1870s, while now there are about 860 naturalized species.

Various publications have been utilized during the past 100 years by those interested in the Hawaiian flora, including: *The Indigenous Trees of the Hawaiian Islands* (Rock 1913); *In Gardens of Hawaii*, 2nd edition (Neal 1965); *Flora Hawaiiensis or New Illustrated Flora of the Hawaiian Islands* (Degener 1932–80); and, most recently, *List and Summary of the Flowering Plants in the Hawaiian Islands* (St. John 1973).

In 1982 a project was initiated to write a modern account of the native and naturalized angiosperms of Hawai'i. This book, *Manual of the Flowering Plants of Hawai'i* (Wagner, Herbst & Sohmer, in press), will fill the considerable need for a comprehensive treatment of the Hawaiian flowering plants.

This checklist is intended to serve as a quick access, concise reference to the native and naturalized flowering plants of Hawai'i, appropriate for use in the field, using the taxonomy and distributional information derived from the forthcoming *Manual*. In a sense, it also can be

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Table 1. Statistics summarizing the native flowering plants of Hawai'i.

	Dicots	Monocots	Total
Families	73	14	87
Total genera	165 (76%)	51 (24%)	216
Endemic genera	31 (19%)	1 (2%)	32 (15%)
Total species	822 (86%)	134 (14%)	956
Endemic species	759 (92%)	91 (68%)	850 (89%)
Indigenous species	63 (8%)	43 (32%)	106 (11%)
Total taxa	947 (87%)	147 (13%)	1,094
Total endemic taxa	888 (94%)	107 (73%)	995 (91%)
Total indigenous taxa	59 (6%)	40 (27%)	99 (9%)

Table 2. Numbers of species and total taxa of Hawaiian flowering plants.

	Dicots	Monocots	Total
Native species	822	134	956 (53%)
Total native taxa	947	147	1,094 (56%)
Naturalized species	672	189	861 (47%)
Total naturalized taxa	679	190	869 (44%)
Total species	1,494 (82%)	323 (18%)	1,817
Total taxa	1,626 (83%)	337 (17%)	1,963

viewed as an updating of the information in the 1973 St. John checklist (but excluding cultivated plants and synonyms of accepted taxa). We hope that this checklist will stimulate further study of species distributions, especially of the naturalized flora, for which the distributional information base is weak. Many naturalized species probably had become well established on one or more islands before they were first collected. Information in the *Manual* will provide a baseline for future, more critical assessments of the introduction and spread of naturalized species in the Hawaiian flora.

The following list includes all taxa accepted in the *Manual*, along with their distributional status (extent of geographical range and origin relative to Hawai'i), endangerment status (if any), and distribution within Hawai'i.

The families, and the species within each family, are listed alphabetically. A total of 146 families (87 with native taxa), 649 genera (216 with native taxa—165 dicot and 51 monocot), and 1,817 species are treated in the *Manual*. These include 956 native species (850 endemic, 106 also occurring outside Hawai'i) and 861 naturalized species. Twenty-five of the naturalized species are Polynesian introductions (see Tables 1 & 2).

Distributional status is given in parentheses following the scientific name. The categories are as follows:

- end *Endemic*: Species occurring only in the Hawaiian Archipelago, but not necessarily on a single island within the archipelago.
- ind *Indigenous*: Species that occur naturally in the archipelago but also have a wider distribution outside Hawai'i.
- nat *Naturalized*: Species that apparently have been introduced to the archipelago directly or indirectly by humans. These species are thoroughly established and are replacing their populations or spreading by vegetative or sexual means. As used here, this category

excludes naturalized species that were originally introduced by the migrating Polynesians.

- pol *Polynesian introduction*: Species that apparently were introduced by the Polynesians migrating to Hawai'i, either intentionally or unintentionally, and are now naturalized.
- end? *Questionably endemic*: Species treated here as endemic species, although some evidence suggests that they in fact represent naturalized populations of as yet unidentified species. This category is used here for only a single species, *Festuca hawaiiensis*.
- ind? *Questionably indigenous*: Species for which dates of introduction or other information do not make a clear argument for their dispersal to Hawai'i by natural or human-related mechanisms, but for which the weight of evidence suggests that they are probably indigenous.
- nat? *Questionably naturalized*: Species that probably are naturalized, but for which the dates of introduction are very early, or for which the habitats are such that the species may well have dispersed to Hawai'i long ago by agents other than humans and thus should be considered indigenous. Some species in this category, if not indigenous, could be Polynesian introductions.
- pol? *Questionably a Polynesian introduction*: Species that may have been Polynesian introductions or that possibly were introduced in historical times (after 1778).

In some cases, an indigenous species with one or more endemic infraspecific taxa occurs in the Hawaiian flora (e.g. *Jacquemontia ovalifolia* subsp. *sandwicensis*); in such instances, the distributional status is indicated for each taxonomic level.

Endangerment status of native species follows the distribution status in parentheses. The categories devised by the International Union for Conservation of Nature and Natural Resources (IUCN) for indicating degrees of threat were used for the *Manual (IUCN Plant Red Data Book, Lucas & Synge 1978)*. The definitions of the four categories used are:

- EX *Extinct*: Species for which we have evidence that they are no longer extant. As many Hawaiian plants are very restricted in their distribution, some species presently placed in this category undoubtedly will be rediscovered. We do not include in this category species such as *Hibiscadelphus giffardianus* and *Kokia cookei*, which are extinct in the wild but survive in cultivation.
- E *Endangered*: Taxa in danger of becoming extinct throughout all or a significant portion of their range unless the threats jeopardizing their survival are alleviated.
- V *Vulnerable*: Taxa likely to become endangered in the near future unless the threats to their survival are removed or reduced. In Hawai'i, most species in this category are threatened by extensive habitat destruction or modification or by other environmental disturbances.
- R *Rare*: Species with small, localized populations that are not believed to be endangered or vulnerable at present but could be considered at risk.

These categories were assigned by the *Manual* authors on the basis of several factors: the number of collections of each taxon in the Herbarium Pacificum (BISH) collection at Bishop Museum and the date of the most recent collection; personal knowledge of the species and the

condition of its habitat; geographical location or habitat type; distribution within the archipelago; and nature of and potential for threats. Of the 1,094 native flowering plant taxa included in the *Manual* (995 [91%] of which are endemic), 421 (38%) are considered to be extinct or threatened to some degree; of these, 107 are presumed extinct (10% of the native taxa), 138 endangered (12%), 39 vulnerable (4%), and 137 rare (12%). An asterisk (*) is used to indicate a federally listed endangered taxon (19 taxa formally designated at this time).

The geographic distribution follows the endangerment status, with the islands of occurrence listed according to their northwest-to-southeast (oldest to youngest) sequence in the archipelago: Ku, Mi, PH, Li, La, GP, FF, Ne, N, Ni (incl. Kl & Le), K, O (incl. Wa & Ko), Mo, L, M (incl. EM [incl. Ml] & WM), Ka, H. The complete alphabetical list is as follows:

EM	East Maui	L	Lāna'i
FF	French Frigate Shoals (incl. Tern and other islands)	La	Laysan
GP	Gardner Pinnacles	Le	Lehua
H	Hawai'i	Li	Lisianski
HI	The eight main Hawaiian Islands (Ni'ihau, Kaua'i, O'ahu, Moloka'i, Lāna'i, Maui, Kaho'olawe, and Hawai'i)	M	Maui
K	Kaua'i	Mi	Midway Atoll (incl. Sand and Eastern islands)
Ka	Kaho'olawe	Ml	Molokini
Kl	Ka'ula	Mo	Moloka'i
Ko	Ko'olau Mountains	N	Nihoa
Ku	Kure Atoll (incl. Sand and Green islands)	Ne	Necker
		Ni	Ni'ihau
		O	O'ahu (incl. Mokoli'i Islet)
		PH	Pearl and Hermes Atoll
		WM	West Maui
		Wa	Wai'anae Mountains

Ka'ula, Lehua, and Molokini islands are mentioned specifically in the distribution list only if they harbor restricted native taxa or naturalized taxa not occurring on the adjacent main islands. Other offshore rocks and islets are included with the nearest large island and are not specifically mentioned unless they include restricted native taxa.

Information on geographical distribution was obtained primarily from label data on BISH collections, and was supplemented by records from other herbaria. In a few instances, other sources—such as references in the published literature or personal observations—are cited, but very few distributional records are included that are not documented by herbarium specimens.

When available, more specific distributional information is included (in parentheses), especially if a species has a localized distribution or is known from only a few collections. However, because of space constraints, in some cases a more generalized version of the *Manual* information is used. For the same reason, information from the *Manual* on elevational and ecological ranges is not included. No attempt was made to expand upon the level of detail provided by the *Manual*.

Question marks (?) indicate uncertainty about the island on which a specimen was collected (e.g., some David Nelson collections from Captain Cook's third voyage to the Pacific). Also, lower-case endangerment symbols refer to notes by the *Manual* authors indicating that the status of a taxon on a particular island is at variance with its status in the Hawaiian Islands. These symbols do not imply any formally designated endangerment status.

Thus, as an example of how to read the list, *Lipochaeta venosa* Sherff (*Asteraceae*) is an endemic species, federally listed as endangered, which occurs on Hawai'i Island, specifically at Nohonaohae, Holoholokū, and Heihei cinder cones, and Pu'upā, in South Kohala District.

An alphabetical listing of all genera treated in the *Manual*, cross-referenced by family, is included following the checklist as a locational aid for the user.

Additional abbreviations used in the checklist include the following:

Dist	<i>District</i>	Mts	<i>Mountains</i>
FR	<i>Forest Reserve</i>	NP	<i>National Park</i>
Hwy	<i>Highway</i>	Pt	<i>Point</i>
incl	<i>include</i>	Riv	<i>River</i>
Mt	<i>Mount</i>	Val	<i>Valley</i>

ACANTHACEAE

- Asystasia gangetica** (L.) T. Anderson (nat) Mi, K, O, Mo, M; probably HI
Barleria cristata L. (nat) K, O, H
Blechnum brownei Juss. (nat) O (Ko: Mānoa Val)
Dicliptera chinensis (L.) Juss. (nat) K, O
Hemigraphis alternata (N.L. Burm.) T. Anderson (nat) O (Honolulu)
Hemigraphis reptans (G. Forster) T. Anderson (nat) K, O, H
Justicia betonica L. (nat) K, O, Mo, L, M, H
Ruellia brittoniana E. Leonard (nat) Mi, K, O
Ruellia graecizans Backer (nat) K, O
Ruellia prostrata Poir. (nat) O (Honolulu)
Thunbergia alata Bojer (nat) K, Mo, EM, H (Hilo; Volcano Village)
Thunbergia fragrans Roxb. (nat) K, O, M, H; probably HI
Thunbergia grandiflora Roxb. (nat) K, O, H
Thunbergia laurifolia Lindl. (nat) K, O

AGAVACEAE

- Agave sisalana** Perrine (nat) K, O, Mo, L, M, Ka, H
Cordyline fruticosa (L.) A. Chev. (pol) Ni, K, O, Mo, L, M, H
Furcraea foetida (L.) Haw. (nat) K, O, Mo, L, M, H
Phormium tenax J.R. Forster & G. Forster (nat) K, Mo
Pleomele aurea (H. Mann) N.E. Brown (end) K
Pleomele auwahiensis St. John (end) central Mo, leeward M
Pleomele fernaldii St. John (end) L
Pleomele forbesii Degener (end) O (Wa; Ko: Kawela; Wilhelmina Rise)
Pleomele halapepe St. John (end) O
Pleomele hawaiiensis Degener & I. Degener (1980), non Degener (1932) (end, R) leeward H (above Pōhue Bay, Ka'ū Dist; Holei Pali, Puna Dist)

AIZOACEAE

- Sesuvium portulacastrum** (L.) L. (ind) PH, Li, La, Ne, HI
Tetragonia tetragonioides (Pall.) Kuntze (nat) N, K, O, H
Trianthema portulacastrum L. (nat) O (Honolulu International Airport to Honouliuli)

ALISMATACEAE

- Sagittaria latifolia** Willd. (nat) K, O, M

AMARANTHACEAE

- Achyranthes aspera** L. (nat)
 var. **aspera** La (single collection), O, H
 var. **pubescens** (Moq.) C.C. Townsend (no locality data, probably no longer extant)
Achyranthes atollensis St. John (end, EX) Ku, Mi, PH, La
Achyranthes mutica A. Gray (end, EX) K, H?

- Achyranthes splendens** Mart. ex Moq. (end)
 var. **rotundata** Hillebr. (E*) O (west coast), Mo (Kalaupapa), L (Manele Gulch)
 var. **splendens** L (Maunalei Gulch), WM, EM (Kula)
Alternanthera brasiliana (L.) Kuntze (nat) Mo (Hālawā Val)
Alternanthera caracasana Kunth (nat) K, O, Mo, L, M
Alternanthera pungens Kunth (nat) O, Mo, H; probably HI
Alternanthera sessilis (L.) DC (nat) O, Mo, M, H
Alternanthera tenella Colla (nat) O
Amaranthus brownii Christoph. & Caum (end, E) N
Amaranthus dubius Mart. ex Thell. (nat) K, O, L, H
Amaranthus hybridus L. subsp. **hybridus** (nat) O, M
Amaranthus lividus L. subsp. **polygonoides** (Moq.) Probst (nat) K, O, H
Amaranthus spinosus L. (nat) Ku, K, O, Mo, M, Ka, H
Amaranthus viridis L. (nat) Ku, Kl, K, O, L, M, Ka, H
Charpentiera densiflora Sohmer (end, V) K (Ho'olulu, Hanakāpi'ai, and Hanakoa valleys, Nāpali Coast)
Charpentiera elliptica (Hillebr.) A. Heller (end) K
Charpentiera obovata Gaud. (end) K, O, Mo, L, M, H
Charpentiera ovata Gaud. (end)
 var. **niuensis** Sohmer O (Ko: Niu and Wailupe valleys)
 var. **ovata** O (south Ko), Mo, M, H
Charpentiera tomentosa Sohmer (end)
 var. **maakuaensis** Sohmer O (Ko: windward gulches)
 var. **tomentosa** O (Wa), Mo, L, M, H
Gomphrena celosioides Mart. (nat) O (Wa; central plain; Kalihi)
Gomphrena globosa L. (nat) O
Nototrichium humile Hillebr. (end, E) O (northwest Wa), EM (Luala'ilua Hills)
Nototrichium sandwicense (A. Gray) Hillebr. (end) HI

ANACARDIACEAE

- Mangifera indica** L. (nat) HI
Rhus sandwicensis A. Gray (end) K (Kamali'i Ridge, Makaweli), O (Ko: Nu'uānu and Moanalua valleys; Ho'omaluhia), Mo (Pelekunu Val), M, H
Schinus molle L. (nat) EM, H (Pu'uwa'awa'a)
Schinus terebinthifolius Raddi (nat) Mi, K, O, Mo, L, M, H

APIACEAE

- Anethum graveolens** L. (nat) O, M
Centella asiatica (L.) Urb. (nat) K, O, Mo, L, M, H
Ciclospermum leptophyllum (Pers.) Sprague (nat) Mi, K, O, Mo, L, M, H
Coriandrum sativum L. (nat) O
Cryptotaenia canadensis (L.) DC (nat) K, O, H
Daucus pusillus Michx. (nat?) O, Mo, L, H
Foeniculum vulgare Mill. (nat) K, O, L, M, H
Hydrocotyle bowlesioides Mathias & Constance (nat) K, O, H
Hydrocotyle sibthorpioides Lam. (nat) K, O, M, H
Hydrocotyle verticillata Thunb. (nat?) Ni, K, O, Mo, M, H
Petroselinum crispum (Mill.) A. W. Hill (nat) K, O, M, H
Peucedanum sandwicense Hillebr. (end, E) K, Mo, WM, EM (Keōpuka Islet)
Sanicula kauaiensis St. John (end, E) K (Wai'ale'ale; Kalalau Val)
Sanicula mariverea Nagata & Gon (end, E) O (Wa: 'Ōhikilolo)
Sanicula purpurea St. John & Hosaka (end, R) O (Ko), WM
Sanicula sandwicensis A. Gray (end) EM (slopes of Haleakalā), H (Mauna Kea; Mauna Loa; Hualālai)

- Spermolepis hawaiiensis** Wolff (end, E) K, O, Mo, M, H; only extant populations occur on Diamond Head, O'ahu, and WM
Torilis nodosa (L.) Gaertn. (nat) H (Kona; Pōhakuoloa Training Area)

APOCYNACEAE

- Alyxia oliviformis** Gaud. (end) HI; no longer occurring on Ni and Ka
Cascabela thevetia (L.) Lippold (nat) K, O, M; probably HI
Catharanthus roseus (L.) G. Don (nat) Mi, Ni, O, Mo, M, Ka, H; probably HI
Ochrosia compta K. Schum. (end) O, Mo (Pelekunu Trail; Wailau Val; Kahanui)
Ochrosia haleakalae St. John (end, R) EM, H (Pololū Val; Kalōpā Gulch)
Ochrosia kauaiensis St. John (end, R) K (Nāpali Coast; Hi'i Mts)
Ochrosia kilaueaensis St. John (end, E) H (Pu'uwa'awa'a; Kīpukapuauulu)
Pteralyxia kauaiensis Caum (end, R) K (Ku'ia, Kalalau, and Mahanaloa valleys; Hi'i Mts; Hā'upu; Pāpa'a; Wai'oli-Waipā Ridge; Limahuli)
Pteralyxia macrocarpa (Hillebr.) K. Schum. (end) O
Rauvolfia sandwicensis A. DC (end) Ni, K, O, Mo, L, M, H

AQUIFOLIACEAE

- Ilex anomala** Hook. & Arnott (ind) K, O, Mo, L, M, H
Ilex aquifolium L. (nat) H (Pua'ākala Ranch, Mauna Kea)
Ilex paraguariensis St. Hil. (nat) O (Ko: Mānoa and Waiāhole valleys)

ARACEAE

- Alocasia macrorrhiza** (L.) Schott (pol) K, O, Mo, M; probably HI
Colocasia esculenta (L.) Schott (pol) Ni, K, O, Mo, L, M, H
Epipremnum pinnatum (L.) Engl. (nat) K, O, M, H; probably HI
Pistia stratiotes L. (nat) K, O, Mo, M
Zantedeschia aethiopica (L.) Spreng. (nat) K, M

ARALIACEAE

- Cheirodendron dominii** Kraj. (end, R) K (Mt Wai'ale'ale)
Cheirodendron fauriei Hochr. (end) K (Kōke'e; Mt Kāhili; Hā'upu Ridge; Powerline Trail)
Cheirodendron forbesii (Sherff) Lowry (end) K (Mt Kāhili; Kamo'oloa Stream; Makaleha Mts; Powerline Trail)
Cheirodendron platyphyllum (Hook. & Arnott) Seem. (end)
 subsp. **kauaiense** (Kraj.) Lowry K
 subsp. **platyphyllum** O
Cheirodendron trigynum (Gaud.) A. Heller (end)
 subsp. **helleri** (Sherff) Lowry K
 subsp. **trigynum** Ni, O, Mo, L, M, H
Hedera helix L. (nat) K, O, H
Munroidendron racemosum (C. Forbes) Sherff (end, E) K (Nounou Mts; Nāpali Coast; Hā'upu Ridge)
Reynoldsia sandwicensis A. Gray (end) O, Mo, L, M, H
Schefflera actinophylla (Endl.) Harms (nat) K, O, M, H; probably HI
Tetraplasandra gymnocarpa (Hillebr.) Sherff (end, E) O (Ko)
Tetraplasandra hawaiiensis A. Gray (end) Mo, L, M, H
Tetraplasandra kavaiensis (H. Mann) Sherff (end) K, O (north Wa), L, M, H
Tetraplasandra oahuensis (A. Gray) Harms (end) K, O, Mo, L, M, H
Tetraplasandra waialealae Rock (end) K
Tetraplasandra waimaeae Wawra (end) K

ARECACEAE

- Archontophoenix alexandrae* (F.v. Muell.) H.A. Wendl. & Drude (nat) H
Cocos nucifera L. (pol) La, HI
Livistona chinensis (Jacq.) R. Br. ex Mart. (nat) O (Ko: Moanalua Val)
Pritchardia affinis Becc. (end, E) leeward H
Pritchardia arecina Becc. (end) EM (north slope, Haleakalā)
Pritchardia aylmer-robinsonii St. John (end, E) Ni (Ka'ali Cliff)
Pritchardia beccariana Rock (end) H (Kīlauea)
Pritchardia forbesiana Rock (end) WM (Honokōhau drainage; Mt 'Eke)
Pritchardia glabrata Becc. & Rock (end) WM ('Īao Val)
Pritchardia hardyi Rock (end, R) K (Powerline Trail)
Pritchardia hillebrandii (Kuntze) Becc. (end) windward Mo
Pritchardia kaalae Rock (end) O (Wa: Mt Ka'ala; Mākua-Mākaha ridge)
Pritchardia lanigera Becc. (end) H (Kohala Mts; above 'Āwini, back of Waimea; south slope, Mauna Loa; Nā'ālehu; windward slope, Mauna Kea, between Honoka'a and Pa'auhau)
Pritchardia lowreyana Rock (end) Mo
Pritchardia martii (Gaud.) H.A. Wendl. (end) O (Ko)
Pritchardia minor Becc. (end) K (Alaka'i Swamp to Kōke'e; Nāpali Coast)
Pritchardia munroi Rock (end, E) leeward Mo (Kamalō; Puako'olau)
Pritchardia napaliensis St. John (end, R) K (Hanakāpī'ai to Ho'olulu valleys, Nāpali Coast)
Pritchardia remota (Kuntze) Becc. (end, V) N (East and West Palm valleys)
Pritchardia schattaueri Hodel (end, E) H (Ho'omau Ranch, lands of Pāpā)
Pritchardia viscosa Rock (end, R) K (Powerline Trail)
Pritchardia waialealeana Read (end) K (Powerline Trail)

ARISTOLOCHIACEAE

- Aristolochia littoralis* Parodi (nat) O (Pearl Harbor)

ASCLEPIADACEAE

- Asclepias curassavica* L. (nat) HI
Asclepias physocarpa (E. Mey.) Schlechter (nat) K, O, L, M, Ka, H
Stapelia gigantea N.E. Brown (nat) O (Ko; Diamond Head)

ASTERACEAE

- Acanthospermum australe* (Loefl.) Kuntze (nat) HI
Acanthospermum hispidum DC (nat) Mo (Moloka'i Ranch)
Achillea millefolium L. (nat) H
Adenostemma lavenia (L.) Kuntze (ind) K, O, Mo, L, M, H
Ageratina adenophora (Spreng.) R. King & H. Robinson (nat) O, Mo, L, M
Ageratina riparia (Regel) R. King & H. Robinson (nat) O, Mo, M, H
Ageratum conyzoides L. (nat) HI
Ageratum houstonianum Mill. (nat) K, O, H
Ambrosia artemisiifolia L. (nat) O, Mo, M, H
Anthemis cotula L. (nat) K, L, M, H
Arctium lappa L. (nat) O, L, H
Argyroxiphium caliginis C. Forbes (end) WM ('Eke; Pu'ukukui)
Argyroxiphium grayanum (Hillebr.) Degener (end) WM summit; EM (above Hāna Forest Reserve)
Argyroxiphium kauense (Rock & M. Neal) Degener & I. Degener (end, E) H (Kahuku Ranch, Mauna Kea; Hualālai, single collection)
Argyroxiphium sandwicense DC (end)
 subsp. *macrocephalum* (A. Gray) Meyrat (E) EM (Haleakalā)
 subsp. *sandwicense* (E*) H (Mauna Kea)
Argyroxiphium virescens Hillebr. (end, EX) EM (Ukulele; Pu'unianiau; Ko'olau Gap; Kuiki)

- Artemisia australis** Less. (end) HI
Artemisia kauaiensis (Skotts.) Skotts. (end) K
Artemisia mauiensis (A. Gray) Skotts. (end) EM (Haleakalā crater and south slope)
Artemisia vulgaris L. (nat) K, O, H
Aster subulatus Michx. var. **sandwicensis** (A. Gray) A.G. Jones (nat) Ni, K, O, Mo, M, H
Baltimora recta L. (nat) O (Makapu'u)
Bellis perennis L. (nat) K, H
Bidens alba (L.) DC var. **radiata** (Schultz-Bip.) Ballard ex Melchert (nat) Ku, Mi, K, O, M, Ka, H
Bidens amplexans Sherff (end) O (windward Wa: between Kawaihāpai and Ka'ena Pt)
Bidens asymmetrica (H. Lév.) Sherff (end) O (southeast, leeward Ko)
Bidens campylotheca Schultz-Bip. (end)
 subsp. **campylotheca** O, L (ex), H
 subsp. **pentamera** (Sherff) Ganders & Nagata (R) EM
 subsp. **waihoiensis** St. John (R) EM
Bidens cervicata Sherff (end) Ni, northwest K, O (northwest Wa)
Bidens conjuncta Sherff (end, R) WM
Bidens cosmoides (A. Gray) Sherff (end) K
Bidens cynapiifolia Kunth (nat) O, Mo, L, M, H
Bidens forbesii Sherff (end)
 subsp. **forbesii** K
 subsp. **kahiliensis** Ganders & Nagata K (Mt Kāhili; Kapalaoa)
Bidens gardneri Baker (nat) Mo (Honouli Wai)
Bidens hawaiiensis A. Gray (end) H (Kohala; Puna Dist; Kilauea)
Bidens hillebrandiana (Drake) Degener (end)
 subsp. **hillebrandiana** H (Kohala Coast)
 subsp. **polycephala** Nagata & Ganders Mo (windward coast), EM (windward coast)
Bidens macrocarpa (A. Gray) Sherff (end) O (Ko)
Bidens mauiensis (A. Gray) Sherff (end) L, M, Ka
Bidens menziesii (A. Gray) Sherff (end)
 subsp. **filiformis** (Sherff) Ganders & Nagata H (leeward sides of and in saddle between Mauna Loa and Mauna Kea)
 subsp. **menziesii** leeward Mo, leeward WM
Bidens micrantha Gaud. (end)
 subsp. **ctenophylla** (Sherff) Nagata & Ganders (V) H (leeward Hualālai)
 subsp. **kalealaha** Nagata & Ganders (E) L, WM (single locality), EM
 subsp. **micrantha** WM, EM (single collection)
Bidens molokaiensis (Hillebr.) Sherff (end) O (Diamond Head), windward Mo
Bidens pilosa L. (nat) Mi, HI
Bidens populifolia Sherff (end) O (windward Ko: between Kaipapa'u and Ka'a'awa)
Bidens sandwicensis Less. (end)
 subsp. **confusa** Nagata & Ganders (R) K (Waimea Canyon)
 subsp. **sandwicensis** K, O
Bidens torta Sherff (end) O (Wa; northwest Ko)
Bidens valida Sherff (end) K (Mt Kāhili; Hā'upu Ridge)
Bidens wiebkei Sherff (end, E) northeast Mo
Blumea laciniata (Roxb.) DC (nat) O, H
Blumea sessiliflora Decne. (nat) M (single collection; not known if species persists)
Calyptocarpus vialis Less. (nat) K, O, Mo, L, M
Carduus pycnocephalus L. (nat) M (west slope, Haleakalā; west Kaupō Gap)
Centaurea melitensis L. (nat) HI
Chrysanthemum leucanthemum L. (nat) M, H
Cirsium vulgare (Savi) Ten. (nat) K, O, Mo, L, M, Ka, H
Conyza bonariensis (L.) Cronq. (nat) Ku, Mi, La, FF, HI
Conyza canadensis (L.) Cronq. (nat)

- var. **canadensis** M, H (Pōhakuoa Training Area, Mauna Kea)
 var. **pusilla** (Nutt.) Cronq. Ni, K, O, Mo, L, M, H
Coreopsis lanceolata L. (nat) L, H (Hawai'i Volcanoes NP)
Cotula australis (Sieber ex Spreng.) J.D. Hook. (nat) O, EM, H
Crassocephalum crepidioides (Benth.) S. Moore (nat) K, O, Mo, M, H
Crepis capillaris (L.) Wallr. (nat) H
Dubautia arborea (A. Gray) D. Keck (end, V) H
Dubautia ciliolata (DC) D. Keck (end)
 subsp. **ciliolata** H (Hualālai; Kīlauea; Mauna Loa)
 subsp. **glutinosa** G. Carr H (Mauna Kea)
Dubautia dolosa (Degener & Sherff) G. Carr (end) EM
Dubautia herbstobatae G. Carr (end, E) O (Wa: 'Ōhikilolo; Kamaile'unu Ridge)
Dubautia imbricata St. John & G. Carr (end, R)
 subsp. **acronaea** G. Carr K (Wai'ale'ale)
 subsp. **imbricata** K (Wahiawa Mts)
Dubautia knudsenii Hillebr. (end)
 subsp. **filiformis** G. Carr (R) K
 subsp. **knudsenii** K
 subsp. **nagatae** (St. John) G. Carr K
Dubautia laevigata A. Gray (end) K
Dubautia latifolia (A. Gray) D. Keck (end, E) K (Kōke'e)
Dubautia laxa Hook. & Arnott (end)
 subsp. **bryanii** (Sherff) G. Carr O (Ko)
 subsp. **hirsuta** (Hillebr.) G. Carr K, O (primarily Wa), L
 subsp. **laxa** O, Mo, M
 subsp. **pseudoplantaginea** (Skotts.) G. Carr O (Ko)
Dubautia linearis (Gaud.) D. Keck (end)
 subsp. **hillebrandii** (H. Mann) G. Carr H
 subsp. **linearis** L, M
 subsp. **opposita** (Sherff) G. Carr Mo, WM
Dubautia menziesii (A. Gray) D. Keck (end) EM
Dubautia microcephala Skotts. (end, R) K
Dubautia paleata A. Gray (end) K
Dubautia pauciflora St. John & G. Carr (end, E) K (Wahiawa Stream)
Dubautia plantaginea Gaud. (end)
 subsp. **humilis** G. Carr (V) WM (Black Gorge)
 subsp. **magnifolia** (Sherff) G. Carr K
 subsp. **plantaginea** O, Mo, L, M, H
Dubautia platyphylla (A. Gray) D. Keck (end) M
Dubautia raillardii Hillebr. (end) K
Dubautia reticulata (Sherff) D. Keck (end) M
Dubautia scabra (DC) D. Keck (end)
 subsp. **leiophylla** (A. Gray) G. Carr Mo, L, M, H (Kohala Mts)
 subsp. **scabra** EM, H
Dubautia sherffiana Fosb. (end, V) O (Wa)
Dubautia waialealae Rock (end) K (Wai'ale'ale)
Eclipta alba (L.) Hassk. (nat) Ni, K, O, Mo, M, H; probably HI
Elephantopus mollis Kunth (nat) K, O, Mo, M, H
Elephantopus spicatus Juss. ex Aubl. (nat) K, O, M, H
Emilia coccinea (Sims) G. Don (nat) O, L
Emilia fosbergii Nicolson (nat) Ku, HI
Emilia sonchifolia (L.) DC (nat)
 var. **javanica** (N.L. Burm.) Mattf. K, O
 var. **sonchifolia** K, O, M

- Encelia farinosa** A. Gray (nat) M (Waikapū; Mā'alaea; Kēōkea; Wailea)
Erechtites hieracifolia (L.) Raf. ex DC (nat) K, O, Mo, L, M, H
Erechtites valefianifolia (Wolf) DC (nat) K, O, Mo, L, M, H
Erigeron bellioides DC (nat) O (Honolulu; Kāne'ohe), M (Kanahe Pond)
Erigeron karvinskianus DC (nat) K, O, M, H
Filago gallica L. (nat) H (Hawai'i Volcanoes NP)
Fitchia speciosa Cheeseman (nat) O (Ko: Roundtop-Tantalus)
Flaveria trinervia (Spreng.) C. Mohr (nat) O (Barber's Pt; Sand Island; Koko Head)
Gaillardia pulchella Foug. (nat) Ku, O, M
Galinsoga parviflora Cav. (nat) K, O, M, Ka, H
Galinsoga quadriradiata Ruiz & Pav. (nat) O, Mo, M, H
Gnaphalium japonicum Thunb. (nat) Mo, L, M, H
Gnaphalium purpureum L. (nat) K, O, Mo, L, M, Ka, H
Gnaphalium sandwicensium Gaud. (end)
 var. **hawaiiense** (Degener & Sherff) W.L. Wagner, Herbst & Sohmer EM (Auwahi), H
 var. **kilaueanum** Degener & Sherff H
 var. **molokaiense** Degener & Sherff (V) west Mo
 var. **sandwicensium** Ku, Mi, Ni, K, O, Mo, L, M, H
Helianthus annuus L. (nat) H (between Mauna Loa and Mauna Kea)
Helichrysum foetidum (L.) Cass. (nat) H (Mauna Loa; Mauna Kea; Pu'uwa'awa'a; Kamuela)
Hesperomannia arborescens A. Gray (end, E) O (Ko), Mo (Oloku'i, single collection; Pelekunu, single collection), L (ex)
Hesperomannia arbuscula Hillebr. (end, E) O (Wa), WM
Hesperomannia lydgatei C. Forbes (end, V) K (Wahiawa Stream)
Heterotheca grandiflora Nutt. (nat) K, O, L, M, Ka, H; probably HI
Hypochoeris glabra L. (nat) K, O, Mo, M, Ka, H
Hypochoeris radicata L. (nat) K, Mo, L, M, Ka, H
Lactuca serriola L. (nat) O, L, M, H
Lagenifera erici C. Forbes (end) K (Alaka'i Swamp; Mt Wai'ale'ale; Wainiha Val)
Lagenifera helenae C. Forbes & Lydgate (end, R) K (Alaka'i Swamp; Mt Wai'ale'ale; Kilohana; Kahōluamanu)
Lagenifera maviensis H. Mann (end, V) south Mo (Kalapamoa Ridge, single collection), WM (Mt 'Eke; Pu'ukukui), EM (Kuiki; Kaupō Gap; Kīpahulu and Waihoi valleys)
Lapsana communis L. (nat) M, H
Lipochaeta bryanii Sherff (end, EX) Ka
Lipochaeta connata (Gaud.) DC (end)
 var. **acris** (Sherff) Gardner Ni, K
 var. **connata** K, WM
Lipochaeta degeneri Sherff (end, EX?) southwest Mo
Lipochaeta fauriei H. Lév. (end, E) K (single collection each from Olokele Canyon, Hikimoe and Po'opo'oiki valleys)
Lipochaeta heterophylla A. Gray (end) Mo, L, M
Lipochaeta integrifolia (Nutt.) A. Gray (end) Ku, La, HI
Lipochaeta kamolensis Degener & Sherff (end, E) southeast EM (Kamole and Kepuni gulches)
Lipochaeta lavarum (Gaud.) DC (end) Mo, L, M, Ka, northwest H
Lipochaeta lobata (Gaud.) DC (end)
 var. **leptophylla** Degener & Sherff (R) O (Wa: Kolekole Pass; Kānehoa)
 var. **lobata** Ni, O, WM
Lipochaeta micrantha (Nutt.) A. Gray (end, E)
 var. **exigua** (Degener & Sherff) Gardner K (Hā'upu Ridge)
 var. **micrantha** K (Olokele and Hanapēpē valleys)
Lipochaeta ovata Gardner (end, EX) O
Lipochaeta perdita Sherff (end, EX) Ni (Kawaihoa Pt)
Lipochaeta remyi A. Gray (end) O (northwest Wa)

- Lipochaeta rockii** Sherff (end) Mo, M, Ka, H?
Lipochaeta subcordata A. Gray (end) K (Koai'e Val), L (Maunalei Val, ex), H (North Kona Dist; Pu'u Kanalopaka Nui, South Kohala Dist)
Lipochaeta succulenta (Hook. & Arnott) DC (end) Ni, K, O (r), Mo, M, Ka, H
Lipochaeta tenuifolia A. Gray (end, E) O (central Wa)
Lipochaeta tenuis Degener & Sherff (end, V) O (central Wa)
Lipochaeta venosa Sherff (end, E*) H (Nohonaohae, Holoholokū, and Heihei cinder cones; Pu'upā, South Kohala Dist)
Lipochaeta waimeaensis St. John (end, E) K (Waimea Canyon)
Madia sativa Molina var. *sativa* (nat) M (Haleakalā Crater)
Montanoa hibiscifolia Benth. (nat) K, O, L, M, H
Osteospermum calendulaceum L. fil. (nat) H (Puakō, North Kona Dist)
Palafoxia callosa (Nutt.) Torr. & A. Gray (nat) southwest Mo
Parthenium hysterophorus L. (nat) southwest K, Mo, M, H (Kona)
Pectis linifolia L. var. *linifolia* (nat) H (South Kona Dist)
Petasites japonicus (Siebold & Zucc.) Maxim. var. *japonicus* (nat) H ('Āwini Ridge, Kohala Mts)
Picris hieracioides L. (nat) L, H
Pluchea × **fosbergii** Cooperr. & Galang (nat) Mi, K, O, Mo, M
Pluchea indica (L.) Less. (nat) Mi, La, Ni, K, O, Mo, L, M, Ka; probably HI
Pluchea symphytifolia (Mill.) Gillis (nat) Ku, Mi, FF, HI
Reichardia picroides (L.) Roth (nat) O
Reichardia tingitana (L.) Roth (nat) O, Mo, H (Waimea)
Remya kauaiensis Hillebr. (end, E) K (Kōke'e)
Remya mauiensis Hillebr. (end, E) WM (Manawainui Gulch; Pāpalaua; formerly Olowalu Canyon, 'Īao Val, and behind Lahaina)
Remya montgomeryi W.L. Wagner & Herbst (end, E) K (Kalalau)
Senecio mikanoides Otto ex Walp. (nat) M, H (North and South Kona districts)
Senecio sylvaticus L. (nat) O, Mo, M, H
Senecio vulgaris L. (nat) EM (Haleakalā), H (Parker Ranch; Ahumoa)
Sigesbeckia orientalis L. (nat) K, O, Mo, M, Ka, H
Solidago canadensis L. var. *scabra* Torr. & A. Gray (nat) K, O, M, H
Sonchus asper (L.) J. Hill (nat) EM (Kula FR), H (Volcano; Keauhou Ranch)
Sonchus oleraceus L. (nat) Ku, Mi, PH, FF, Kl, Le, K, O, Mo, L, M, Ka, H
Synedrella nodiflora (L.) Gaertn. (nat) K, O, Mo, M, Ka, H
Tagetes minuta L. (nat) O (Honolulu, single collection), H (between Mauna Loa and Mauna Kea)
Taraxacum officinale W.W. Weber (nat) K, O, L, M, H
Tetramolopium arenarium (A. Gray) Hillebr. (end, EX)
 subsp. *arenarium*
 var. *arenarium* EM, H
 var. *confertum* Sherff H
 subsp. *laxum* Lowrey EM
Tetramolopium capillare (Gaud.) St. John (end, EX) WM (Lahaina Luna to Wailuku)
Tetramolopium consanguineum (A. Gray) Hillebr. (end)
 subsp. *consanguineum* (EX) K?
 subsp. *leptophyllum* (Sherff) Lowrey (V)
 var. *kauense* Lowrey H (Ka'ū Dist)
 var. *leptophyllum* H (between Mauna Loa and Mauna Kea)
Tetramolopium conyzoides (A. Gray) Hillebr. (end, EX) southwest Mo, L, WM (Waichu?), EM (Kula), H
Tetramolopium filiforme Sherff (end, E)
 var. *filiforme* O (Wa: 'Ōhikilolo Ridge; Kea'au Val)
 var. *polyphyllum* (Sherff) Lowrey O (Wa: 'Ōhikilolo Ridge)
Tetramolopium humile (A. Gray) Hillebr. (end)
 subsp. *haleakalae* Lowrey EM

- subsp. **humile**
 var. **humile** EM (r), H (Mauna Loa; Mauna Kea; Hualālai; Kīlauea)
 var. **sublaeve** Sherff H (between Mauna Loa and Mauna Kea)
Tetramolopium lepidotum (Less.) Sherff (end)
 subsp. **arbusculum** (A. Gray) Lowrey (EX) EM (Haleakalā Crater)
 subsp. **lepidotum** (E) O (Wa), L (ex)
Tetramolopium remyi (A. Gray) Hillebr. (end, E) L (Awalua Ridge, Lāna'ihale), WM (between Lahaina and Wailuku, ex)
Tetramolopium rockii Sherff (end, V)
 var. **calcisabulorum** (St. John) Lowrey northwest Mo (Mo'omomi)
 var. **rockii** northwest Mo (Mo'omomi)
Tetramolopium sylvae Lowrey (ind, R) windward Mo (Ho'olehua to Pelekunu Val), WM (Kahakuloa)
Tetramolopium tenerrimum (Less.) Nees (end, EX) O (Ko)
Tithonia diversifolia (Hemsl.) A. Gray (nat) K, O, M, H
Tragopogon porrifolius L. (nat) H (South Kohala Dist)
Tridax procumbens L. (nat) Mi, K, O, Mo, L, M, Ka, H; probably HI
Verbesina encelioides (Cav.) Benth. & Hook. (nat) Ku, Mi, K, O, Mo, L, M, Ka, H
Vernonia cinerea (L.) Less. var. **parviflora** (Reinw.) DC (nat) HI
Wedelia trilobata (L.) Hitchc. (nat) Mi, K, O; probably HI
Wilkesia gymnoxiphium A. Gray (end) K (Waiamea Canyon)
Wilkesia hobdyi St. John (end, E) K (Polihale; Kā'aweiki)
Xanthium strumarium L. var. **canadense** (Mill.) Torr. & A. Gray (nat) Mi, HI
Youngia japonica (L.) DC (nat) K, O, Mo, L, M, H
Zinnia palmeri A. Gray (nat) O (Koko Crater)
Zinnia peruviana (L.) L. (nat) L, M, Ka

BALSAMINACEAE

- Impatiens oliveri** C.H. Wright ex Will. Wats. (nat) K (Kōke'e)
Impatiens wallerana J.D. Hook. (nat) K, O, Mo, L, M, H

BASELLACEAE

- Anredera cordifolia** (Ten.) Steenis (nat) K, O, Mo, M, H; probably HI

BATAACEAE

- Batis maritima** L. (nat) HI

BEGONIACEAE

- Begonia foliosa** Kunth var. **miniata** (Planch.) L.B. Sm. & B.G. Schubert (nat) H (Kīlauea Settlement lots, Puna Dist)
Begonia hirtella Link (nat) O, EM, H
Begonia reniformis Dryander (nat) H (North and South Kona districts)
Hillebrandia sandwicensis Oliver (end) K, O (Wa: Mt Ka'ala, ex), Mo, M

BIGNONIACEAE

- Jacaranda mimosifolia** D. Don (nat) O, M, H; probably HI
Macfadyena unguis-cati (L.) A. Gentry (nat) K, O, L
Spathodea campanulata P. Beauv. (nat) K, O, Mo, M, H
Tecoma stans (L.) Juss. ex Kunth (nat) O, M, H (Ocean View Estates)

BIXACEAE

- Bixa orellana** L. (nat) K, O, Mo, M

BORAGINACEAE

- Amsinckia intermedia* Fisch. & C. A. Mey. (nat) H (single collection; not known if species persists)
Bothriospermum tenellum (Hornem.) Fisch. & C. A. Mey. (nat) O (Wa: Kolekole Pass), H
Cordia subcordata Lam. (pol) Ni, K, O, L, M, H
Cynoglossum amabile Stapf. & J. R. Drumm. (nat) H
Heliotropium amplexicaule Vahl (nat) O, Mo, M, H
Heliotropium anomalum Hook. & Arnott (ind)
 var. *argenteum* A. Gray (end) Ni, K, O, Mo, M (r), H (r); perhaps formerly on L and Ka
Heliotropium curassavicum L. (ind) La, FF, N, HI
Heliotropium procumbens Mill. var. *depressum* (Cham.) Fosb. (nat) Mi, FF (Tern Island), O, M
Myosotis discolor Pers. (nat) windward H
Tournefortia argentea L. fil. (nat) Ku, Mi, PH, Li, La, FF, Ni, K, O, Mo, L, M, H

BRASSICACEAE

- Brassica campestris* L. (nat) PH, K, O, Mo, L, H
Brassica juncea (L.) Czernj. (nat) H (Volcano House; Laupāhoehoe; Pu'u'ula'ula)
Brassica nigra (L.) W. Koch (nat) O, M, H
Capsella rubella Reut. (nat) O, L, M, H
Cardamine flexuosa With. (nat) K, O, M, H
Cardamine hirsuta L. (nat) K, H
Coronopus didymus (L.) Sm. (nat) Mi, PH, HI
Descurainia sophia (L.) Webb (nat) EM (Haleakalā), H (Saddle Rd)
Lepidium arbuscula Hillebr. (end, R) O (leeward Wa)
Lepidium bidentatum Montin (ind)
 var. *o-waihiense* (Cham. & Schlechtend.) Fosb. (end) Ku, Mi, PH, La (ex), K, O, Mo, L, M
 var. *remyi* (Drake) Fosb. (end, EX) H
Lepidium bonariense L. (nat) H (Pōhakuloa State Park)
Lepidium densiflorum Schrad. (nat) north, leeward H
Lepidium hyssopifolium Desv. (nat) H (Ahumoa; Halepōhaku)
Lepidium oblongum Small (nat) Ni, O, Mo, L, Ka
Lepidium serra H. Mann (end, R) K
Lepidium virginicum L. (nat) Mi, O, Mo, M, H
LOBULARIA *maritima* (L.) Desv. (nat) Ku, Mi, M
Nasturtium microphyllum Boenn. ex Rchb. (nat) K, O, M, H
Nasturtium samentosum (G. Forster ex DC) Schinz & Guillaumin (pol?) K, O, Mo, M, H
Raphanus sativus L. (nat) K, O, Mo, M, Ka, H
Sisymbrium altissimum L. (nat) K, M, Ka, H
Sisymbrium irio L. (nat) H (between Mauna Loa and Mauna Kea)
Sisymbrium officinale (L.) Scop. (nat)
 var. *leiocarpum* DC L, H
 var. *officinale* K, Mo, L, M, H

BUDDLEJACEAE

- Buddleia asiatica* Lour. (nat) O, Mo, M, H
Buddleia madagascariensis Lam. (nat) H (Volcano transfer dump)

CACTACEAE

- Cereus uruguayanus* Ritter ex R. Kiesling (nat) south K
Harrisia martinii (Labour.) Britton (nat) south K
Hylocereus undatus (Haw.) Britton & Rose (nat) HI
Opuntia cochenillifera (L.) Mill. (nat) K, O
Opuntia ficus-indica (L.) Mill. (nat) K, O, M, Ka, H
Opuntia vulgaris Mill. (nat) O (Punchbowl; Kamehameha Schools)

CAMPANULACEAE

- Brighamia insignis** A. Gray (end, V) Ni (Ka'ali Cliff), K (Nāpali Coast; Hā'upu Ridge)
- Brighamia rockii** St. John (end, V) windward Mo (Kalaupapa to Hālawā), L (Maunalei Val, single observation), M (single collection)
- Clermontia arborescens** (H. Mann) Hillebr. (end)
 subsp. **arborescens** south WM
 subsp. **waihia** (Wawra) Lammers Mo, L, north WM, EM
- Clermontia calophylla** F. Wimmer (end) H (Kohala Mts)
- Clermontia clermontioides** (Gaud.) A. Heller (end)
 subsp. **clermontioides** H (Pāhala to Kealakekua)
 subsp. **rockiana** (F. Wimmer) Lammers H (Keālia to Hualālai)
- Clermontia drepanomorpha** Rock (end) H (Kohala Mts)
- Clermontia fauriei** H. Lév. (end) K, O (Wa: Makaleha Val, single collection; Ko: Koloa Gulch, single collection)
- Clermontia grandiflora** Gaud. (end)
 subsp. **grandiflora** M
 subsp. **munroi** (St. John) Lammers Mo, L, M
- Clermontia hawaiiensis** (Hillebr.) Rock (end) H (Puna and Ka'ū districts)
- Clermontia kakeana** Meyen (end) O, Mo, M
- Clermontia kohalae** Rock (end) H (Kohala and Hāmākua districts)
- Clermontia lindseyana** Rock (end, E) EM (leeward slope, Haleakalā), H (Hilo, Ka'ū, and South Kona districts)
- Clermontia micrantha** (Hillebr.) Rock (end) L (Kumoa Gulch), WM (Pu'ukukui; Mt 'Eke; Lanilili)
- Clermontia montis-loa** Rock (end) H (Hilo, Puna, and Ka'ū districts)
- Clermontia multiflora** Hillebr. (end, EX) O, WM
- Clermontia oblongifolia** Gaud. (end)
 subsp. **brevipes** (F. Wimmer) Lammers (R) Mo
 subsp. **mauiensis** (Rock) Lammers (R) L, M
 subsp. **oblongifolia** O
- Clermontia pallida** Hillebr. (end) Mo
- Clermontia parviflora** Gaud. ex A. Gray (end) H (Kohala Mts; windward slopes of Mauna Kea and Mauna Loa)
- Clermontia peleana** Rock (end, E) EM, H (windward slopes of Mauna Kea and Mauna Loa)
- Clermontia persicifolia** Gaud. (end) O
- Clermontia pyrularia** Hillebr. (end, E) H (windward Mauna Kea; leeward Mauna Loa)
- Clermontia samuelii** C. Forbes (end)
 subsp. **hanaensis** (St. John) Lammers EM (Kūhiwa Gulch to Pu'uiki)
 subsp. **samuelii** EM (Kīpahulu to Wai'ānapanapa)
- Clermontia tuberculata** C. Forbes (end) EM
- Clermontia waimeae** Rock (end) H (Kohala Mts)
- Cyanea aculeatiflora** Rock (end) EM (windward slope, Haleakalā)
- Cyanea acuminata** (Gaud.) Hillebr. (end) O (Ko)
- Cyanea angustifolia** (Cham.) Hillebr. (end) O, east Mo, L, north WM
- Cyanea arborea** Hillebr. (end, EX) EM (leeward slope, Haleakalā)
- Cyanea asarifolia** St. John (end, E) northeast K (Anahola Stream)
- Cyanea asplenifolia** (H. Mann) Hillebr. (end, EX) north WM
- Cyanea comata** Hillebr. (end, EX) EM (leeward slope, Haleakalā)
- Cyanea copelandii** Rock (end)
 subsp. **copelandii** (E) H (windward slope, Mauna Loa)
 subsp. **haleakalaensis** (St. John) Lammers EM (windward slope, Haleakalā)
- Cyanea coriacea** (A. Gray) Hillebr. (end) north K
- Cyanea degeneriana** F. Wimmer (end) H (Kohala Mts; windward Mauna Kea and Mauna Loa)
- Cyanea dunbarii** Rock (end, EX) Mo (Waihanau)
- Cyanea elliptica** (Rock) Lammers (end) L, M

- Cyanea fauriei* H. Lév. (end) east, south K
Cyanea fissa (H. Mann) Hillebr. (end)
 subsp. *fissa* north K (Wainiha to Kealia)
 subsp. *gayana* (Rock) Lammers south K (Koai'e Stream to Hanahanapuni; Hā'upu Ridge)
Cyanea giffardii Rock (end, EX) H (Glenwood)
Cyanea glabra (F. Wimmer) St. John (end, EX) EM (windward slope, Haleakalā)
Cyanea grimesiana Gaud. (end)
 subsp. *cylindrocalyx* (Rock) Lammers (EX) H (Waipi'o Val)
 subsp. *grimesiana* (V) O (north Wa: Mt Ka'ala; Ko), Mo, L, M
 subsp. *obatae* (St. John) Lammers (V) O (south Wa: Pu'uhāpapa to Ka'aikukui)
Cyanea hamatiflora Rock (end)
 subsp. *carlsonii* (Rock) Lammers (R) H (Kona Dist)
 subsp. *hamatiflora* EM (windward slope, Haleakalā)
Cyanea hardyi Rock (end) south K
Cyanea hirtella (H. Mann) Hillebr. (end) west K
Cyanea horrida (Rock) Degener & Hosaka (end) EM (windward slope, Haleakalā)
Cyanea kunthiana Hillebr. (end) M
Cyanea leptostegia A. Gray (end) west K
Cyanea linearifolia Rock (end, EX) K (Wahiawa Mts)
Cyanea lobata H. Mann (end, E) L, north WM
Cyanea longissima (Rock) St. John (end, EX) EM (windward slope, Haleakalā)
Cyanea macrostegia Hillebr. (end)
 subsp. *gibsonii* (Hillebr.) Lammers (R) L
 subsp. *macrostegia* M
Cyanea mannii (Brigham) Hillebr. (end, E) central Mo
Cyanea marksii Rock (end) H (Kona Dist)
Cyanea mceldowneyi Rock (end, E) EM (windward slope, Haleakalā)
Cyanea membranacea Rock (end) O (Wa)
Cyanea obtusa (A. Gray) Hillebr. (end, EX) M
Cyanea pilosa A. Gray (end)
 subsp. *longipedunculata* (Rock) Lammers H (windward Mauna Kea and Mauna Loa)
 subsp. *pilosa* H (Kohala Mts; windward Mauna Kea)
Cyanea pinnatifida (Cham.) F. Wimmer (end, R) O (central Wa)
Cyanea platyphylla (A. Gray) Hillebr. (end) H (Waipi'o Val; Puna Dist; windward Mauna Kea and Mauna Loa)
Cyanea pohaku Lammers (end, EX) EM (Pu'unianiau, northwest Haleakalā)
Cyanea procera Hillebr. (end, EX) east Mo
Cyanea profuga C. Forbes (end, EX) east Mo (Mapulehu; Pelekunu)
Cyanea pycnocarpa (Hillebr.) F. Wimmer (end, EX) H (Kohala Mts)
Cyanea quercifolia (Hillebr.) F. Wimmer (end, EX) EM (leeward slope, Haleakalā)
Cyanea recta (Wawra) Hillebr. (end, EX) northeast K
Cyanea scabra Hillebr. (end) WM
Cyanea shipmanii Rock (end, E) H (windward slope, Mauna Kea)
Cyanea solanacea Hillebr. (end) Mo, M? (WM)
Cyanea solenocalyx Hillebr. (end) east Mo
Cyanea spathulata (Hillebr.) A. Heller (end)
 subsp. *longipetiolata* Lammers south-central K (Mt Kāhili)
 subsp. *spathulata* west K ('Ōpaewela; Kahōluamanu; Kōke'e; Kalalau)
Cyanea stictophylla Rock (end, E) H (Kona Coast; Ka'ū Dist)
Cyanea superba (Cham.) A. Gray (end, E)
 subsp. *regina* (Wawra) Lammers O (south Ko)
 subsp. *superba* O (north Wa)
Cyanea sylvestris A. Heller (end) K
Cyanea tritomantha A. Gray (end, V) H (Waipi'o Val; windward Mauna Kea and Mauna Loa)

- Cyanea truncata** (Rock) Rock (end, E) O (windward Ko)
Cyanea undulata C. Forbes (end, EX) south-central K (Wahiawa Bog)
Delissea fallax Hillebr. (end, EX) H (Hāmākua and Hilo districts)
Delissea laciniata Hillebr. (end, EX) O (Ko: Wailupe)
Delissea lauiiana Lammers (end, EX) O (Ko: Wailupe)
Delissea parviflora Hillebr. (end, EX) H (Kohala Mts; Mauna Kea)
Delissea rhytidosperma H. Mann (end, E) K
Delissea rivularis (Rock) F. Wimmer (end, EX) K
Delissea sinuata Hillebr. (end, EX)
 subsp. *lanaiensis* (Rock) Lammers L
 subsp. *sinuata* O (Wa)
Delissea subcordata Gaud. (end) K?, O
Delissea undulata Gaud. (end, EX)
 subsp. *kauaiensis* Lammers K (Hanapēpē Falls)
 subsp. *niihauensis* (St. John) Lammers Ni
 subsp. *undulata* WM, H (west and southwest Hualālai; Pu'ulehua, south Mauna Loa)
Hippobroma longiflora (L.) G. Don (nat) K, O, M, H
Lobelia dunbarii Rock (end, R)
 subsp. *dunbarii* Mo (Waihānau Stream)
 subsp. *paniculata* (Rock) Lammers Mo (Kawela; Waialea; Waikolu)
Lobelia erinus L. (nat) H
Lobelia gaudichaudii A. DC (end)
 subsp. *gaudichaudii* O (central, south Ko)
 subsp. *koolauensis* (Hosaka & Fosb.) Lammers O (north Ko)
Lobelia gloria-montis Rock (end) Mo (Pāpa'alā Pali), M
Lobelia grayana F. Wimmer (end) EM (Haleakalā)
Lobelia hillebrandii Rock (end) M
Lobelia hypoleuca Hillebr. (end) K, O, Mo, L, M, H
Lobelia kauensis (A. Gray) A. Heller (end) K (Wahiawa Bog; Wai'ale'ale)
Lobelia monostachya (Rock) Lammers (end, EX) O (south Ko)
Lobelia niihauensis St. John (end, R) Ni, K, O (north Wa)
Lobelia oahuensis Rock (end, E) O (Ko)
Lobelia remyi Rock (end, EX) O
Lobelia villosa (Rock) St. John & Hosaka (end) K (Alaka'i Swamp; Wai'ale'ale)
Lobelia yuccoides Hillebr. (end) K, O (Wa)
Rollandia angustifolia (Hillebr.) Rock (end) O (Ko)
Rollandia crispa Gaud. (end, R) O (Ko)
Rollandia humboldtiana Gaud. (end) O (Ko)
Rollandia lanceolata Gaud. (end)
 subsp. *calycina* (Cham.) Lammers O
 subsp. *lanceolata* O (Ko)
Rollandia longiflora Wawra (end) O
Rollandia parvifolia C. Forbes (end, EX) K (Wai'oli Val)
Rollandia purpurellifolia Rock (end, EX) O (Ko: Kaluanui Val)
Rollandia st.-johnii Hosaka (end) O (central Ko)
Trematolobelia grandifolia (Rock) Degener (end) H (Kohala Mts; between Mauna Loa and Mauna Kea; Hawai'i Volcanoes NP)
Trematolobelia kauaiensis (Rock) Skotts. (end) K
Trematolobelia macrostachys (Hook. & Arnott) A. Zahlbr. (end) O, Mo, L, M, H (single collection)
Trematolobelia singularis St. John (end, R) O (Ko: Kōnāhuanui; Hālawā)
Triodanis biflora (Ruiz & Pav.) Greene (nat) H (Hawai'i Volcanoes NP)
Wahlenbergia gracilis (G. Forster) A. DC (nat) Mo, L, M, H

CANNABACEAE

Cannabis sativa L. subsp. *indica* (Lam.) E. Small & Cronq. (nat) HI (widely cultivated)

CANNACEAE

Canna indica L. (nat) K, O, Mo, L, M, H

CAPPARACEAE

Capparis sandwichiana DC (end, V) Mi, PH, La, HI

Cleome gynandra L. (nat) K, O, Mo, L, M, H

Cleome spinosa Jacq. (ind?) Ni, O, M

CAPRIFOLIACEAE

Lonicera japonica Thunb. (nat) K (Kōke'e State Park), H (Volcano; slopes of Hualālai)

Sambucus mexicana K. Presl ex A. DC (nat) K (Kōke'e State Park), O, EM, H

CARICACEAE

Carica papaya L. (nat) K, Mo, H

CARYOPHYLLACEAE

Alsiniidendron lychnoides (Hillebr.) Sherff (end, R) K (Alaka'i Swamp, from Keaku Cave to Kahōluamanu)

Alsiniidendron obovatum Sherff (end, E) O (Wa)

Alsiniidendron trinerve H. Mann (end, E) O (north Wa: Mt Ka'ala, from Pu'ukalena, Pu'ukawiwi, and Mākaha Val)

Alsiniidendron viscosum (H. Mann) Sherff (end, EX) K (Waimea; Kahōluamanu; west of Alaka'i Swamp)

Arenaria serpyllifolia L. (nat) M, H

Cerastium fontanum Baumg. subsp. *triviale* (Link) Jalas (nat) K, O, Mo, L, M, H

Dianthus armeria L. subsp. *armeria* (nat) H (Pu'uhuluhulu to northwest slope, Mauna Kea)

Drymaria cordata (L.) Willd. ex Roem. & Schult. var. *pacifica* Mizush. (nat) K, O, Mo, M, H

Petrorhagia velutina (Guss.) P. Ball & Heyw. (nat) M, H (Pōhakuloa to South Kohala and Waimea)

Polycarpon tetraphyllum (L.) L. (nat) K, Mo, L, M, Ka, H

Sagina decumbens (Elliott) Torr. & A. Gray subsp. *occidentalis* (S. Wats.) Crow (nat) H (Hawai'i Volcanoes NP)

Schiedea adamantis St. John (end, E*) O (Diamond Head)

Schiedea amplexicaulis H. Mann (end, EX) Ni?, K

Schiedea apokremnos St. John (end, E) K (Nu'alolo Kai, Miloli'i and Kalalau valleys, Nāpali Coast)

Schiedea diffusa A. Gray (end) east Mo (Kawela to Waikolu valleys), EM, H (Kohala Mts; 'Ōla'a Tract, Hawai'i Volcanoes NP)

Schiedea globosa H. Mann (end) southeast O, Mo (north and northwest coasts), M (east and west coasts)

Schiedea haleakalensis Degener & Sherff (end, E) EM (Kaupō Gap; Hōlua near Ko'olau Gap)

Schiedea helleri Sherff (end, EX?) K (Kahōluamanu)

Schiedea hookeri A. Gray (end, R) O (north and central Wa), EM (Haleakalā)

Schiedea implexa (Hillebr.) Sherff (end, EX) EM (Auwahi to Kaupō Gap)

Schiedea kaalae Wawra (end, E) O (Wa: Makaleha; Pahole Gulch; Mokulē'ia; Pu'uhāpapa; Huliwai)

Schiedea kealiae Caum & Hosaka (end) O (north Wa)

Schiedea ligustrina Cham. & Schlechtend. (end) O (Wa: Pālehua; Pu'ukaua; Keawapilau Gulch; Mokulē'ia)

Schiedea lydgatei Hillebr. (end, R) Mo (Kamalō, Makakupa'ia, and Popohua gulches; O'oa)

Schiedea mannii St. John (end) O (Wa: Pu'uhapapa; Pu'ukawiwi; Mākua Val; Mākua-Kea'au Ridge; Kamaile'unu Ridge)

- Schiedea membranacea** St. John (end, V) K (Mahanaloa and Ku'ia valleys; Kalalau rim)
Schiedea menziesii Hook. (end, R) Mo (Pu'ukolekole; Kamalō and Kawela gulches), L (Maunalei Val), WM (Mā'alaea; Lahaina; Lahaina Luna Gulch)
Schiedea nuttallii Hook. (end, R) K, O (Wa: 'Ēkahanui Gulch to Mokulē'ia)
Schiedea pubescens Hillebr. (end)
 var. **pubescens** Mo (Pelekunu to Kala'e), L (Lāna'ihale), M (Makawao; Hāmākua; Olowalu Val; Kā'anapali)
 var. **purpurascens** Sherff O (Wa: Maunakapu to Mt Ka'ala)
Schiedea salicaria Hillebr. (end, V) WM (Waikapū; Kaunohua; Mā'alaea; Olowalu; Lahaina)
Schiedea spergulina A. Gray (end)
 var. **leiopoda** Sherff (EX?) K (Hanapāpē; Wahiawa)
 var. **spergulina** (E) K (Olokele and Waimea canyons)
Schiedea stellaroides H. Mann (end, EX) K (Waimea; 'Ōpaewela; Kahōluamanu; Hā'upu Ridge; Hanakāpī'ai)
Schiedea verticillata F. Brown (end, E) N (West Palm Val; Devil's Slide)
Silene alexandri Hillebr. (end, E) east Mo (Pu'ukolekole; Kamalō Gulch)
Silene cryptopetala Hillebr. (end, EX) EM (Haleakalā)
Silene degeneri Sherff (end, EX) EM (Ko'olau Gap, Haleakalā)
Silene gallica L. (nat) K, O, Mo, L, M, H
Silene hawaiiensis Sherff (end, R) H (Kīlauea; North Kona and Hāmākua districts; Saddle Rd)
Silene lanceolata A. Gray (end, E) K, Mo (Pu'ukolekole), L (Maunalei Val), H (Pu'uahi, Mauna Kea)
Silene perlmanii W.L. Wagner, Herbst & Sohmer (end, E) O (south Wa: between Palikea and Pōhākea Pass)
Silene struthioloides A. Gray (end) EM (Haleakalā), H (Mauna Kea; single collections at Pu'uke'eke'e and Hualālai)
Spergula arvensis L. (nat) K, O, M, H
Spergularia marina (L.) Griseb. (nat) Ku, Mi, FF, K, O, Mo, M
Stellaria media (L.) Vill. (nat) Ku, K, O, L, M, H

CASUARINACEAE

- Casuarina equisetifolia** L. (nat) Ku, Mi, PH, Li, La, FF, HI
Casuarina glauca Siebold ex Spreng. (nat) O, L (Kō'ele)

CECROPIACEAE

- Cecropia obtusifolia** Bertol. (nat) K, O, H

CELASTRACEAE

- Perrottetia sandwicensis** A. Gray (end) K, O, Mo, L, M, H

CERATOPHYLLACEAE

- Ceratophyllum demersum** L. (nat) M (Kanhā Pond), H (Hilo; Waipi'o Val)

CHENOPODIACEAE

- Atriplex eardleyae** Aellen (nat) H (Pu'uhonua o Hōnaunau National Historical Park)
Atriplex lentiformis (Torr.) S. Wats. (nat) Mo (Kaunakakai)
Atriplex semibaccata R. Br. (nat) HI
Atriplex suberecta Verd. (nat) FF, O, Mo, L, M, H
Bassia hyssopifolia (Pall.) Kuntze (nat) O (Kuapā Pond), M (Kanhā Pond)
Chenopodium album L. (nat) EM (Kula)
Chenopodium ambrosioides L. (nat) O, L, M, H
Chenopodium carinatum R. Br. (nat) Ni, Mo, L, M, Ka, H
Chenopodium hircinum Schrad. (nat) EM (Haleakalā Crater), H (Parker Ranch)
Chenopodium murale L. (nat) Ku, Mi, FF, HI

Chenopodium oahuense (Meyen) Aellen (end) Li, La, FF, Ne, N, Ni, K, O, Mo, L, M, H
Salicornia virginica L. (nat) FF (Tern Island)
Salsola kali L. (nat) H (Waimea)

CLUSIACEAE

Calophyllum inophyllum L. (pol) K, O, Mo, M, H
Clusia rosea Jacq. (nat) K, O, H (Hilo; Kona)
Hypericum canariense L. (nat) EM (Kula)
Hypericum gramineum G. Forster (nat) H (North Kona Dist)
Hypericum mutilum L. (nat) east Mo, M, H
Hypericum parvulum Greene (nat) H (Kilauea; Kūlani)
Hypericum perforatum L. (nat) H (Hualālai)

COMBRETACEAE

Conocarpus erectus L. (nat) O, L, M
Terminalia catappa L. (nat) K, O, M, H
Terminalia myriocarpa Van Heurck & Müll. Arg. (nat) K, M, H

COMMELINACEAE

Callisia fragrans (Lindl.) Woodson (nat) K, O
Commelina benghalensis L. (nat) K, O, M, H
Commelina diffusa N.L. Burm. (nat) Mi, K, O, Mo, L, M, H
Murdannia nudiflora (L.) Brenan (nat) windward H

CONVOLVULACEAE

Bonamia menziesii A. Gray (end, E) K, O, Mo, L, M, H
Convolvulus arvensis L. (nat) O, M
Cressa truxillensis Kunth (ind) O, Mo, Ka
Ipomoea alba L. (nat) K, O, Mo, L, M, H
Ipomoea aquatica Forssk. (nat) O, M
Ipomoea batatas (L.) Lam. (pol) K, O, H; probably HI
Ipomoea cairica (L.) Sweet (nat?) Ni, K, O, Mo, L, Ka, H; probably HI
Ipomoea hederifolia L. (nat) H (Kealakekua to Nāpō'opo'o)
Ipomoea imperati (Vahl) Griseb. (ind) Ni, K, O, Mo, M
Ipomoea indica (J. Burm.) Merr. (ind) Ku, Mi, Li, La, N, HI
Ipomoea littoralis Blume (ind?) O, Mo, M, H?
Ipomoea obscura (L.) Ker-Gawl. (nat) K, O, M, H
Ipomoea ochracea (Lindl.) G. Don (nat) K, O, M, H
Ipomoea pes-caprae (L.) R. Br. subsp. **brasiliensis** (L.) Ooststr. (ind) Mi, Li, La, FF, N, HI
Ipomoea triloba L. (nat) Mi, K, O, M
Ipomoea tuboides Degener & Ooststr. (end) HI
Ipomoea violacea L. (nat) O, Mo, M, H
Jacquemontia ovalifolia (Choisy) H. Hallier (ind)
 subsp. **sandwicensis** (A. Gray) K. Robertson (end) HI
Jacquemontia pentantha (Jacq.) G. Don (nat) O
Merremia aegyptia (L.) Urb. (nat?) K, O, Mo, L, M, Ka, H
Merremia tuberosa (L.) Rendle (nat) K, O, M, H
Stictocardia tiliifolia (Desr.) H. Hallier (nat) K, O, Mo, M, H

CORYNOCARPACEAE

Corynocarpus laevigatus J.R. Forster & G. Forster (nat) K, O, Mo, H

COSTACEAE

Costus speciosus (J. König) Sm. (nat) L

CRASSULACEAE

Crassula sieberiana (Schult.) Druce (nat) H (Pōhakuloa Training Area)

Kalanchoë pinnata (Lam.) Pers. (nat) K, O, Mo, L, M, H

Kalanchoë tubiflora (Harv.) Raym.-Hamet (nat) K, O, L, M, H

CUCURBITACEAE

Coccinia grandis (L.) Voigt (nat) O (Mānoa Val to Punchbowl; Kailua), H (Kailua-Kona)

Cucumis dipsaceus Ehrenb. ex Spach (nat) Ni, K, O, L, M, Ka, H

Momordica charantia L. (nat) HI

Sechium edule (Jacq.) Sw. (nat) K, O, M, H

Sicyos alba (St. John) Telford (end, R) H (windward slopes of Mauna Kea, Mauna Loa, and Kīlauea)

Sicyos anunu (St. John) Telford (end) L, H (southwest slope, Kohala Mts; northeast and southwest slope, Mauna Kea; southeast slope, Mauna Loa)

Sicyos cucumerinus A. Gray (end, R) Mo, M, H

Sicyos erostratus St. John (end) O (Wa: Kealia Gulch), Mo

Sicyos herbstii (St. John) Telford (end) leeward K (Makaweli to Barking Sands and Polihale), Mo?

Sicyos hillebrandii St. John (end, EX) EM (Kula)

Sicyos hispidus Hillebr. (end) Mo, L, M (Kahului to Kihei), H (North Kona)

Sicyos lasiocephalus Skotts. (end) H (north slope, Hualālai; leeward slope, Kohala Mts)

Sicyos macrophyllus A. Gray (end, R?) H (windward slope, Kohala Mts; Mauna Kea; Mauna Loa-Mauna Kea saddle)

Sicyos maximowiczii Cogn. (end) Ku, PH, Li, La, Ni, O (ex)

Sicyos pachycarpus Hook. & Arnott (end) La, N, HI

Sicyos semitonsus St. John (end) La

Sicyos waimanaloensis St. John (end) K (Waimea Canyon), O (Ka'ena Pt; Diamond Head; Waimānalo; Makapu'u; Koko Crater), Mo

Sicyos sp. A (end) K (Kalalau Val; Waimea Canyon), O (Wa)

CUSCUTACEAE

Cuscuta campestris Yuncker (nat) O, H

Cuscuta sandwichiana Choisy (end) Ni, O, Mo, L, M, H

CYPERACEAE

Bolboschoenus maritimus (L.) Palla subsp. *paludosus* (A. Nels.) T. Koyama (ind) Ni, K, O, Mo, M

Bulbostylis capillaris (L.) C.B. Clarke (nat) H

Carex alligata Boott (end) K, O, Mo, M, H

Carex echinata J.A. Murray (ind) K, M, H

Carex kauaiensis R. Krauss (end) K

Carex macloviana Dum. D'Urv. subsp. *subfusca* (W. Boott) T. Koyama (ind) M, H

Carex meyenii Nees (ind) HI (Ka [ex])

Carex montis-eeka Hillebr. (end) K, Mo, M

Carex thunbergii Steud. (ind?) M, H

Carex wahuensis C.A. Mey. (end)

subsp. *herbstii* T. Koyama (R) O (Ko: Moanalua Val, single collection)

subsp. *rubiginosa* (R. Krauss) T. Koyama K, O, L, M, H

subsp. *wahuensis* K, O, Mo, L, M, H

Cladium jamaicense Crantz (ind) K, O, Mo, M, H

Cyperus alternifolius L. subsp. *flabelliformis* (Rottb.) Kükenth. (nat) Mi, K, O, M

- Cyperus compressus** L. (nat) H
Cyperus difformis L. (nat) K, O
Cyperus esculentus L. (nat) H (Onomea, single collection; not known if species persists)
Cyperus gracilis R. Br. (nat) K, O, M
Cyperus halpan L. (nat) K, M, H
Cyperus laevigatus L. (ind) La, Ni, O, Mo, M, H
Cyperus papyrus L. (nat) K
Cyperus pilosus Vahl (nat) K (Lihū'e, single collection; not known if species persists)
Cyperus rotundus L. (nat) Ku, Mi, Ni, K, O, L, M, H
Cyperus trachysanthos Hook. & Arnott (end, R?) Ni, K, O, Mo, L
Cyperus trinervis R. Br. (nat) H (Hawai'i Volcanoes NP)
Cyperus virens Michx. (nat) H (Waiākea FR; Hilo FR)
Eleocharis calva Torr. (ind?) Ni, O, Ka
Eleocharis geniculata (L.) Roem. & Schult. (nat) K, O, Mo
Eleocharis obtusa (Willd.) Schult. (ind) K, O, Mo, M, H
Eleocharis radicans (Poir.) Kunth (nat) K, O, M
Fimbristylis aestivalis (Retz.) Vahl (nat) K (Hanalei and Lāwa'i valleys)
Fimbristylis cymosa R. Br.
 subsp. **spathacea** (Roth) T. Koyama (ind) Mi, La, FF, Ni, K, O, WM, H
 subsp. **umbellato-capitata** (Hillebr.) T. Koyama (ind) Ku, Mi, La, Ni, K, O, Mo, L, M, H
Fimbristylis dichotoma (L.) Vahl (ind) K, O, Mo, M, H
Fimbristylis hawaiiensis Hillebr. (end, R) H (Ka'ū Desert, Chain of Craters Rd, Hawai'i Volcanoes NP)
Fimbristylis schoenoides (Retz.) Vahl (nat) H (Hilo Airport)
Gahnia aspera Spreng. (ind)
 subsp. **globosa** (H. Mann) J. Kern (end) O
Gahnia beecheyi H. Mann (end) K, O, L, M, H
Gahnia gahniiformis (Gaud.) A. Heller (ind) Mo, L, M, H
Gahnia lanaiensis Degener, I. Degener & J. Kern (end, E) L (Lāna'ihale)
Gahnia vitiensis Rendle (ind)
 subsp. **kauaiensis** (Benl) T. Koyama (end) K (Alaka'i Swamp to Mt. Wai'ale'ale)
Kyllinga brevifolia Rottb. (nat) K, O, Mo, L, M, H
Kyllinga nemoralis (J.R. Forster & G. Forster) Dandy ex Hutchinson & Dalziel (nat) K, O, M, H
Machaerina angustifolia (Gaud.) T. Koyama (ind) K, O, Mo, L, M, H
Machaerina mariscoides (Gaud.) J. Kern (ind)
 subsp. **meyenii** (Kunth) T. Koyama (end) K, O, Mo, L, M, H
Mariscus congestus (Vahl) C.B. Clarke (nat) O ('Ewa Plains, 2 collections; not known if species persists)
Mariscus cyperinus (Retz.) Vahl (ind) K, O, Mo
Mariscus fauriei (Kükenth.) T. Koyama (end, E) Mo, L, H
Mariscus hillebrandii (Boeck.) T. Koyama (end)
 subsp. **decepiens** (Hillebr.) T. Koyama K, O (Wa), L, WM
 subsp. **hillebrandii** O, L, EM, H
Mariscus hypochlorus (Hillebr.) C.B. Clarke (end)
 subsp. **brevior** (Kükenth.) T. Koyama K, O, Mo, M
 subsp. **hypochlorus** K, O, Mo, M, H
Mariscus javanicus (Houtt.) Merr. & Metcalfe (ind) Mi, Ni, K, O, Mo, L, M, H
Mariscus kunthianus Gaud. (end, R) WM
Mariscus meyenianus (Kunth) Nees (nat) K, O (Wa: Mākua Val, single collection)
Mariscus pennatiformis (Kükenth.) T. Koyama (end, E)
 subsp. **bryanii** (Kükenth.) T. Koyama northeast La
 subsp. **pennatiformis** K, O, M, H
Mariscus phleoides Nees ex Kunth (end)

- subsp. **hawaiiensis** (H. Mann) T. Koyama Ni, K, O, Mo, L, M
 subsp. **phleoides** K, Mo, L, M, H
Mariscus rockii (Kükenth.) T. Koyama (end, EX?) K (Wai'alaie Val)
Mariscus sandwicensis (Kükenth.) T. Koyama (end) K, O, Mo, M
Oreobolus furcatus H. Mann (end) K, O, Mo, M
Pycreus polystachyos (Rottb.) P. Beauv.
 subsp. **holosericeus** (Link) T. Koyama (ind) Ni, O, Mo, L, M, H
 subsp. **polystachyos** (ind) Mi, K, O, Mo, M, H
Pycreus sanguinolentus (Vahl) Nees (nat) H
Rhynchospora caduca Elliott (nat) M, H
Rhynchospora chinensis Nees & Meyen subsp. **spiciformis** (Hillebr.) T. Koyama (ind) K, Mo, M, H
Rhynchospora globularis (Chapm.) Small (nat) H (Kaūmana; along Saddle Rd)
Rhynchospora rugosa (Vahl) Gale subsp. **lavarum** (Gaud.) T. Koyama (ind) K, O, Mo, M, H
Rhynchospora sclerioides Hook. & Arnott (ind) K, O, Mo, L, M, H
Schoenoplectus californicus (C.A. Mey.) Palla (nat?) Ni, K, O, Mo, L, M, H
Schoenoplectus juncooides (Roxb.) Palla (ind) K, H (Kohala Mts)
Schoenoplectus lacustris (L.) Palla subsp. **validus** (Vahl) T. Koyama (ind) Ni, K, O, Mo, H
Scleria testacea Nees (ind) M (WM: Pu'ukukui), H (Hilo; Kilauea)
Torulium odoratum (L.) S. Hooper (ind)
 subsp. **auriculatum** (Nees & Meyen) T. Koyama (end) K, O, Mo, M, H
Uncinia brevicaulis Thouars (ind) EM (Ke'anae to Pōhakupālahā)
Uncinia uncinata (L. fil.) Kükenth. (ind) K, Mo, M, H

DIOSCOREACEAE

- Dioscorea bulbifera** L. (pol) K, O, Mo, M, H
Dioscorea pentaphylla L. (pol) K, O, Mo, M, H; probably HI

DROSERACEAE

- Drosera anglica** Huds. (ind) K

EBENACEAE

- Diospyros hillebrandii** (Seem.) Fosb. (end) K, O
Diospyros sandwicensis (A. DC) Fosb. (end) K, O, Mo, L, M, H

ELAEAGNACEAE

- Elaeagnus umbellata** Thunb. (nat) H (Volcano Village; Kilauea)

ELAEOCARPACEAE

- Elaeocarpus bifidus** Hook. & Arnott (end) K, O

EPACRIDACEAE

- Styphelia tameiameia** (Cham. & Schlechtend.) F.v. Muell. (ind) K, O, Mo, L, M, H (perhaps on Ni and Ka in the past)

ERICACEAE

- Vaccinium calycinum** Sm. (end) K, O, Mo, L, M, H
Vaccinium dentatum Sm. (end) K, O, Mo, L, M, H
Vaccinium reticulatum Sm. (end) K (r), O (r), Mo (r), M, H

ERIOCAULACEAE

- Eriocaulon sp. A** (nat) H (Mountain View)

EUPHORBIACEAE

- Aleurites moluccana** (L.) Willd. (pol) Ni, K, O, Mo, L, M, H
Antidesma platyphyllum H. Mann (end)
 var. **hillebrandii** Pax & K. Hoffm. K
 var. **platyphyllum** O, Mo, L, M, H
Antidesma pulvinatum Hillebr. (end) O, Mo, M, H
Bischofia javanica Blume (nat) O (Ko: Roundtop-Tantalus; Lanipō)
Chamaesyce albomarginata (Torr. & A. Gray) Small (nat) K (Māhā'ulepū), O (Pearl Harbor)
Chamaesyce arnottiana (Endl.) Degener & I. Degener (end, R) O (south Ko)
Chamaesyce atrococca (A. Heller) Croizat & Degener (end, R) west K
Chamaesyce celastroides (Boiss.) Croizat & Degener (end)
 var. **amplectens** (Sherff) Degener & I. Degener HI
 var. **celastroides** N, Ni, K
 var. **hanapepensis** (Sherff) Degener & I. Degener K
 var. **kaenana** (Sherff) Degener & I. Degener (E) O
 var. **laehiensis** (Degener, I. Degener & Sherff) Koutnik L, EM (Manawainui)
 var. **lorifolia** (A. Gray) Degener & I. Degener L (r), M
 var. **stokesii** (C. Forbes) Degener & I. Degener Ni, K, Mo, Ka
 var. **tomentella** (Boiss.) Koutnik (EX?) O
Chamaesyce clusiifolia (Hook. & Arnott) Arth. (end) O (Ko: west slopes)
Chamaesyce degeneri (Sherff) Croizat & Degener (end) Ni, K, O, Mo, M, H
Chamaesyce deppeana (Boiss.) Millsp. (end, E) O (Ko: Nu'uuanu Pali; south O)
Chamaesyce halemanui (Sherff) Croizat & Degener (end, E) northwest K
Chamaesyce herbstii W.L. Wagner (end) O (Wa)
Chamaesyce hirta (L.) Millsp. (nat) Ku, Mi, FF, HI
Chamaesyce hypericifolia (L.) Millsp. (nat) Ku, Mi, FF, K, O, M, H
Chamaesyce hyssopifolia (L.) Small (nat) K, O, M, H
Chamaesyce kuwaleana (Degener & Sherff) Degener & I. Degener (end, E) O (Wa; single collections from Mokumanu and Kāne'ohe)
Chamaesyce maculata (L.) Small (nat) Ku, Mi (Sand Island)
Chamaesyce multiformis (Hook. & Arnott) Croizat & Degener (end)
 var. **microphylla** (Boiss.) Degener & I. Degener O, Mo, WM (r), leeward H (r)
 var. **multiformis** O, M
Chamaesyce olowaluana (Sherff) Croizat & Degener (end, V) WM, H
Chamaesyce prostrata (Aiton) Small (nat) Mi, K, O, L, M, Ka, H
Chamaesyce remyi (A. Gray ex Boiss.) Croizat & Degener (end, R)
 var. **hanaleiensis** (Sherff) Degener & I. Degener K (Hanalei)
 var. **kauaiensis** (Degener & Sherff) Degener & I. Degener K (Kahōluamanu)
 var. **remyi** K
Chamaesyce rockii (C. Forbes) Croizat & Degener (end) O (Ko)
Chamaesyce skottsbergii (Sherff) Croizat & Degener (end)
 var. **skottsbergii** (E*) southwest O, northwest Mo
 var. **vaccinioides** (Sherff) Koutnik (V) Mo, south M (single collection), Ka
Chamaesyce sparsiflora (A. Heller) Koutnik (end, R) K (Wahiawa Bog)
Chamaesyce thymifolia (L.) Millsp. (nat) O, H
Claoxylon sandwicense Müll. Arg. (end) K, O, Mo (Kala'e, r), L (Lāna'ihale), WM (Honokōwai), EM (Haleakalā), H (Pu'uwa'awa'a; Kohala; Hilo)
Euphorbia cyathophora J.A. Murray (nat) Mi, K, O, Mo, M
Euphorbia graminea Jacq. (nat) O (Barber's Pt)
Euphorbia haeleleana Herbst (end) K (Ku'ia, Mahanaloa, and Hā'ele'ele valleys; ridge between Pa'aiki and Mahanaloa valleys; Waimea Canyon), O (Wa: Kaluakauila Gulch)
Euphorbia heterophylla L. (nat) Mi, Ni, K, O, L, M, Ka, H
Euphorbia peplus L. (nat) Mi, M, H

- Flueggea neowawraea** W. Hayden (end, E) northwest K, O (Wa), Mo (ex), EM (southwest slope, Haleakalā), H (Kona Coast)
Jatropha curcas L. (nat) EM (Kahikinui, south slope of Haleakalā)
Jatropha gossypifolia L. (nat) O (Diamond Head)
Macaranga mappa (L.) Müll. Arg. (nat) O, H
Macaranga tanarius (L.) Müll. Arg. (nat) K, O
Mallotus philippensis (Lam.) Müll. Arg. (nat) O (Wa: Lualualei)
Manihot glaziovii Müll. Arg. (nat) K, O, M, H
Phyllanthus debilis Klein ex Willd. (nat) K, O, M, H
Phyllanthus distichus Hook. & Arnott (end) K, O, Mo, L, WM, EM (r)
Phyllanthus tenellus Roxb. (nat) K, O
Ricinus communis L. (nat) HI

FABACEAE

- Abrus precatorius** L. (nat) Ni, K, Mo, M, H
Acacia confusa Merr. (nat) K, O, Mo, L, M, Ka, H
Acacia farnesiana (L.) Willd. (nat) Mi, K, O, Mo, M, Ka, H
Acacia koa A. Gray (end) K, O, Mo, L, M, H
Acacia mearnsii De Wild. (nat) K, O, L, M, H
Acacia parramattensis Tind. (nat) O (Ko: Tantalus), Mo (Kamakou Preserve)
Albizia chinensis (Osbeck) Merr. (nat) O
Albizia lebbek (L.) Benth. (nat) Mi, Ni, K, O, H
Alysicarpus vaginalis (L.) DC (nat) K, O, M, H
Caesalpinia bonduc (L.) Roxb. (ind) Ni, K, O, Mo, EM, H
Caesalpinia decapetala (Roth) Alston (nat) Ni, K, O, EM, H
Caesalpinia kavaensis H. Mann (end, E*) K, O (Wa), WM, H (North Kona Dist)
Caesalpinia major (Medik.) Dandy & Exell (nat?) Ni, O, Mo, L, H
Cajanus cajan (L.) Millsp. (nat) K, O, M, H; probably HI
Canavalia cathartica Thouars (nat) K, O, Mo, M, H
Canavalia galeata (Gaud.) Vogel (end) O
Canavalia hawaiiensis Degener, I. Degener & J. Sauer (end) L, M, H (South Pt; Hualālai; Mauna Loa; Ka'ū Desert)
Canavalia kauaiensis J. Sauer (end) K
Canavalia molokaiensis Degener, I. Degener & J. Sauer (end, V) east Mo
Canavalia napaliensis St. John (end, R?) K (Mākaha to Waiahuakua valleys)
Canavalia pubescens Hook. & Arnott (end, V) Ni, K (Nāpali Coast), L, leeward EM
Canavalia sericea A. Gray (nat) O (Kahuku to Pounders Beach), M (Waihe'e to Kahului)
Chamaecrista nictitans (L.) Moench subsp. **patellaria** (DC ex Collad.) H. Irwin & Barneby var. **glabrata** (Vogel) H. Irwin & Barneby (nat) Ni, K, O, L, M, Ka, H
Clitoria ternata L. (nat) O
Crotalaria assamica Benth. (nat) O, H
Crotalaria berteroa DC (nat) O, M
Crotalaria brevidens Benth. (nat) EM (Ulumalu; Makawao FR)
Crotalaria incana L. (nat) Mi, Ni, K, O, L, M, Ka, H
Crotalaria lanceolata E. Mey. (nat) H (Kona Coast; Kapoho, Puna Dist)
Crotalaria longirostrata Hook. & Arnott (nat) O, Mo, EM, H
Crotalaria micans Link (nat) O, M, H
Crotalaria pallida Aiton (nat) Mi, K, O, Mo, L, M, H
Crotalaria pumila Ort. (nat) O (Mokulē'ia), EM (Makawao; Pukalani)
Crotalaria retusa L. (nat) K, O, Mo, M, H
Crotalaria spectabilis Roth (nat) Ni, K, O, Mo, H
Cytisus palmensis (Christ) Hutch. (nat) M
Cytisus scoparius (L.) Link (nat) H

- Delonix regia* (Bojer ex Hook.) Raf. (nat) Mo
Desmanthus virgatus (L.) Willd. (nat) Mi, K, O, Mo, M, Ka, H; probably HI
Desmodium cajanifolium (Kunth) DC (nat) H (Pāhoa; Kīlauea Dist)
Desmodium heterocarpon (L.) DC var. *strigosum* van Meeuwen (nat) O (Ko: Kalihi Val; not known if species persists)
Desmodium incanum DC (nat) K, O, M, H
Desmodium intortum (Mill.) Urb. (nat) H (Kona, Ka'ū, Hilo, and Puna districts)
Desmodium sandwicense E. Mey. (nat) Mi, HI
Desmodium tortuosum (Sw.) DC (nat) K, O, M, Ka, H
Desmodium triflorum (L.) DC (nat) K, O, Mo, L, M, Ka, H
Dioclea wilsonii Standl. (nat?) K, H
Entada phaseoloides (L.) Merr. (ind?) K (Powerline Trail)
Erythrina sandwicensis Degener (end) HI
Glycine wightii (Wight & Arnott) Verdc. (nat) O, M, Ka, H
Haematoxylum campechianum L. (nat) O, H
Indigofera spicata Forssk. (nat) K, O, M
Indigofera suffruticosa Mill. (nat) Ni, K, O, L, M, Ka, H; probably HI
Lablab purpureus (L.) Sweet (nat?) K, O, Mo, M, H; probably HI
Lathyrus latifolius L. (nat) EM (Olinda)
Lathyrus tingitanus L. (nat) EM (Olinda)
Lespedeza cuneata (Dum. Cours.) G. Don (nat) O
Leucaena leucocephala (Lam.) de Wit (nat) Mi, HI
Lotus subbiflorus Lag. (nat) M, H
Lotus uliginosus Schkuhr (nat) Mo, M, H
Lupinus hybridus Lem. (nat) H (Volcano)
Macroptilium atropurpureum (DC) Urb. (nat) O, M, H
Macroptilium lathyroides (L.) Urb. (nat) Ni, K, O, L, M, Ka, H; probably HI
Medicago lupulina L. (nat) Mi, O, M, H
Medicago minima (L.) Bartal. (nat) L, M, H
Medicago polymorpha L. (nat) K, O, L, M, H
Medicago rugosa Desr. (nat) O, H
Medicago sativa L. (nat) Mi, K, O, L, H
Melilotus alba Medik. (nat) Mi, H
Melilotus indica (L.) All. (nat) Mi, K, O, M, H
Mimosa pudica L. var. *unijuga* (Duchass. & Walp.) Griseb. (nat) K, O, L, M, H
Mucuna gigantea (Willd.) DC (ind) K, O, Mo, M, H
Mucuna urens (L.) Medik. (nat?) O, M, H
Pachyrhizus erosus (L.) Urb. (nat) H (Ho'okena, Kona)
Paraserianthes falcata (L.) I. Nielsen (nat) K, O, Mo, H
Parkinsonia aculeata L. (nat) K, O, M
Pithecellobium dulce (Roxb.) Benth. (nat) Ni, K, O, Mo, M, H
Prosopis juliflora (Sw.) DC (nat) O (Sand Island)
Prosopis pallida (Humb. & Bonpl. ex Willd.) Kunth (nat) Mi, K, O, L, M, Ka, H; probably HI
Pueraria lobata (Willd.) Ohwi (nat)
 var. *lobata* K, O, M, H
 var. *thomsoni* (Benth.) Maesen K
Rhynchosia minima (L.) DC (nat) K
Samanea saman (Jacq.) Merr. (nat) O, H; probably HI
Senna alata (L.) Roxb. (nat) K, O
Senna didymobotrya (Fresen.) H. Irwin & Barneby (nat) east K, EM (Kula)
Senna gaudichaudii (Hook. & Arnott) H. Irwin & Barneby (ind) K, O, Mo, L, M, H
Senna obtusifolia (L.) H. Irwin & Barneby (nat) H (Greenwell Ranch)
Senna occidentalis (L.) Link (nat) Ni, K, O, EM, H

- Senna pendula** (Humb. & Bonpl. ex Willd.) H. Irwin & Barneby var. **advena** (Vogel) H. Irwin & Barneby (nat) K, O, Mo, L, M, H
Senna septemtrionalis (Viv.) H. Irwin & Barneby (nat) K, O, Mo, M
Senna surattensis (N.L. Burm.) H. Irwin & Barneby (nat) K, O, M
Sesbania sesban (L.) Merr. (nat) K, O
Sesbania tomentosa Hook. & Arnott (end, V) Ne, N, HI
Sophora chrysophylla (Salisb.) Seem. (end) K, O, Mo, L, M, H
Spartium junceum L. (nat) K (Kōke'e)
Strongylodon ruber Vogel (end) K, O, Mo, M, H
Stylosanthes fruticosa (Retz.) Alston (nat) K, O, Mo (Waiāhewa Gulch), L (Mahana)
Tephrosia purpurea (L.) Pers. var. **purpurea** (pol) HI
Trifolium arvense L. var. **arvense** (nat) M, H
Trifolium dubium Sibth. (nat) EM, H
Trifolium glomeratum L. (nat) M (Makawao Intermediate School)
Trifolium hybridum L. var. **hybridum** (nat) H (Kapāpala, single collection)
Trifolium incarnatum L. var. **incarnatum** (nat) EM (upper Kula)
Trifolium pratense L. var. **sativum** Schreb. (nat) M, H
Trifolium repens L. var. **repens** (nat) K, M, H
Trifolium resupinatum L. (nat) H (Kūka'iau Ranch)
Trifolium subterraneum L. (nat) H
Ulex europaeus L. (nat) M, H
Vicia menziesii Spreng. (end, E*) H (Keauhou-Kīlauea; Pu'uwa'awa'a)
Vicia sativa L. subsp. **nigra** (L.) Ehrh. (nat) EM, H
Vicia tenuifolia Roth (nat) M, H
Vicia villosa Roth (nat) H (Pōhakuloa Training Area)
Vigna adenantha (G. Mey.) Maréchal, Mascherpa & Stainier (ind) O (Diamond Head; not known if species persists), H
Vigna marina (J. Burm.) Merr. (ind) K, O, Mo, M, H
Vigna o-wahuensis Vogel (end, E) Ni, O, Mo, L, M, Ka, H

FLACOURTIACEAE

- Xylosma crenatum** (St. John) St. John (end, E) K (Mōhihi Stream; Nualolo Trail)
Xylosma hawaiiense Seem. (end) K, O, Mo, L, M, H

FRANKENIACEAE

- Frankenia salina** (Molina) I.M. Johnst. (nat) FF (Tern Island)

GENTIANACEAE

- Centaurium erythraea** Raf. subsp. **erythraea** (nat) Mi, K, O, Mo, L, M, Ka, H
Centaurium sebaeoides (Griseb.) Druce (end, E) K, O, Mo, WM

GERANIACEAE

- Erodium cicutarium** (L.) L'Hér. (nat) K, O, Mo, L, M, H
Geranium arboreum A. Gray (end, E) EM (north and west Haleakalā; Luala'ilua Hills, south slope of Haleakalā, single collection)
Geranium cuneatum Hook. (end)
 subsp. **cuneatum** H (Humu'ula; Mauna Kea; Hualālai; South Kona)
 subsp. **hololeucum** (A. Gray) Carlq. & Bissing H (Mauna Kea; Kahuku, 'Aināhou, and above Kūlani Prison, Mauna Loa)
 subsp. **hypoleucum** (A. Gray) Carlq. & Bissing H (above Kūlani Prison to Kahuku, Mauna Loa)
 subsp. **tridens** (Hillebr.) Carlq. & Bissing EM (Haleakalā)

- Geranium dissectum** L. (nat) K (Kōke'e State Park), EM (Haleakalā), H (Waimea; Hawai'i Volcanoes NP)
Geranium hanaense Medeiros & St. John (end) EM (Hāna FR)
Geranium homeanum Turcz. (nat) K, M, H
Geranium humile Hillebr. (end, R) WM (Pu'ukukui; Mt 'Eke)
Geranium kauaiense (Rock) St. John (end, R) K (Alaka'i Swamp to Mt Wai'ale'ale)
Geranium molle L. (nat) H (upper Pa'auhau, Hāmākua, single collection; not known if species persists)
Geranium multiflorum A. Gray (end, V) EM (Haleakalā)
Geranium pusillum N.L. Burm. (nat) H (Mauna Kea, single collection; not known if species persists)
Geranium retrorsum L'Hér. ex DC (nat) L, M, H

GESNERIACEAE

- Cyrtandra biserrata** Hillebr. (end, R) east Mo (Wailau, Pūko'o, and Mapulehu valleys; Oloku'i)
Cyrtandra calpidicarpa (Rock) St. John & Storey (end) O (Ko: Lā'ie to Kahalu'u on windward side, Kipapa Gulch on leeward side)
Cyrtandra confertiflora (Wawra) C.B. Clarke (end)
 var. **confertiflora** K (Nāpali Coast; Kīlauea-Anahola; Wahiawa-Hanapēpē)
 var. **obovata** (Wawra) C.B. Clarke K (base of Wai'ale'ale)
Cyrtandra cordifolia Gaud. (end) O (Ko: Waikāne, Kahana, and Konahuanui on windward side, Halemano to Wailupe on leeward side)
Cyrtandra crenata St. John & Storey (end, R) O (Ko: Kahana Val; Waikāne-Schofield Trail)
Cyrtandra cyaneoides Rock (end, EX?) K (Wai'ala'e Val)
Cyrtandra dentata St. John & Storey (end) O (north Wa; leeward, north Ko: Pa'ala'a, Kawailoa divide, to 'Ōpae'ula)
Cyrtandra filipes Hillebr. (end, R) Mo (Mapulehu and Kalua'aha valleys), WM (Honokōwai; Ka'anapali; Olowalu)
Cyrtandra garnotiana Gaud. (end) O (Wa; leeward Ko: Wahiawā to Niu Val)
Cyrtandra giffardii Rock (end, E) H (Kīlauea; Kūlani; Laupāhoehoe)
Cyrtandra gracilis Hillebr. ex C.B. Clarke (end, EX) O (Ko: Pālolo Val; Kōnāhuanui Gulch)
Cyrtandra grandiflora Gaud. (end) O (Ko: He'eia to Kōnāhuanui on windward side; Kipapa Gulch to Wailupe on leeward side)
Cyrtandra grayana Hillebr. (end) east Mo, L (Lāna'ihale), WM
Cyrtandra grayi C.B. Clarke (end) Mo, WM, EM (Kīpahulu; Kahikinui; Pu'u'alaea)
Cyrtandra halawensis Rock (end, R) east Mo
Cyrtandra hashimotoi Rock (end) M
Cyrtandra hawaiiensis C.B. Clarke (end) O (Wa: Pu'ukalena; Ko: Kawailoa to Wailupe Val), east Mo, M, H
Cyrtandra hematos St. John (end, R) Mo (Oloku'i Plateau; Kawela; Kahuoahu Val)
Cyrtandra kalihii Wawra (end) O (Wa: Mt Ka'ala; Ko)
Cyrtandra kauaiensis Wawra (end) K (Kōke'e; Waimea drainage basin to northeast K)
Cyrtandra kaulantha St. John & Storey (end) O (Ko: Waiāhole)
Cyrtandra kealiae Wawra (end, R) K (Hanapēpē and Olokele valleys; Wahiawa Mts; Hā'upu Ridge)
Cyrtandra kohalae Rock (end, EX) H (Kohala Mts)
Cyrtandra laxiflora H. Mann (end) O (windward, north Ko)
Cyrtandra lessoniana Gaud. (end) O
Cyrtandra limahuliensis St. John (end, R) K (Mt Kāhili)
Cyrtandra longifolia (Wawra) Hillebr. ex C.B. Clarke (end) K
Cyrtandra lydgatei Hillebr. (end, R) east Mo, L (Maunalei Gulch), WM (Honokōhau drainage basin to Honokōwai)
Cyrtandra lysiosepala (A. Gray) C.B. Clarke (end) H (Kūlani; 'Ōla'a Tract)
Cyrtandra macraei A. Gray (end) O (Wa: Makaleha to Mākaha valleys; Ko: Punalu'u to Kaluanui, Kahana Iki Stream to Niu)
Cyrtandra macrocalyx Hillebr. (end, R) Mo (Waikolu to Wailau valleys; Kaunakakai Gulch)

- Cyrtandra menziesii* Hook. & Arnott (end) H (South Kona, Ka'ū, and North Kona districts)
Cyrtandra munroi C. Forbes (end, R) L (Lāna'ihale)
Cyrtandra oenobarba H. Mann (end, R) K (Kilauea-Ha'ena; Wahiawa-Hanapēpē; Olokele Canyon)
Cyrtandra olona C. Forbes (end, EX) K (Wahiawa Mts)
Cyrtandra oxybapha W.L. Wagner & Herbst (end, R) WM (upper Pōhākea Gulch, Hana'ula)
Cyrtandra paludosa Gaud. (end)
 var. *microcarpa* Wawra K
 var. *paludosa* K (Kōke'e State Park; Hā'upu Ridge; Wai'ale'ale), O (Wa: Palikea; Ko), M, H
Cyrtandra pickeringii A. Gray (end, R) K (Wahiawa Mts; Hanalei; Kilauea), O?
Cyrtandra platyphylla A. Gray (end) M, H
Cyrtandra polyantha C.B. Clarke (end, R) O (east Ko: Niu and Kuli'ou'ou valleys)
Cyrtandra procera Hillebr. (end) Mo (Waikolu to Pelekunu valleys; Pēpē'ōpae Bog)
Cyrtandra propinqua C. Forbes (end) O (north Ko: Kaunala to Kīpapa and Waiāhole gulches)
Cyrtandra pruinosa St. John & Storey (end, R) O (Ko: Kalauao Val)
Cyrtandra rivularis St. John & Storey (end) O (windward Ko: Kaluanui to Waikāne valleys)
Cyrtandra sandwicensis (H. Lév.) St. John & Storey (end, V) O (leeward Ko: Pauoa to Mānoa valleys)
Cyrtandra sessilis St. John & Storey (end, R) O (windward Ko: Waikāne-Schofield Trail)
Cyrtandra spathulata St. John (end) M
Cyrtandra subumbellata (Hillebr.) St. John & Storey (end, R) O (north-central Ko: Kaluanui to Waiāhole valleys)
Cyrtandra tintinnabula Rock (end, E) H (Laupāhoehoe)
Cyrtandra viridiflora St. John & Storey (end, R) O (Ko: Lanihuli; Waikāne-Waipi'o; Punalu'u; Kawailoa)
Cyrtandra waianaeensis St. John & Storey (end) O (Wa: Mākua Val to Palikea)
Cyrtandra waiolani Wawra (end, EX) O (Ko: Kalihi to Kaipapa'u valleys)
Cyrtandra wawrae C.B. Clarke (end) K

GOODENIACEAE

- Scaevola chamissoniana* Gaud. (end) Mo, L, M, H
Scaevola coriacea Nutt. (end, E*) Ni (ex), K (ex), O (ex), Mo (Mokuho'oniki Islet), L (ex), M (Waiehu; Kaupō; Mōke'ehia Islet), H (ex)
Scaevola gaudichaudiana Cham. (end) K, O
Scaevola gaudichaudii Hook. & Arnott (end) K, O, Mo, L, M, H
Scaevola glabra Hook. & Arnott (end) K, O (Ko)
Scaevola kilaueae Degener (end) H (Ocean View Estates; Ka'ū Dist; Kilauea)
Scaevola mollis Hook. & Arnott (end) K, O, Mo (r)
Scaevola procera Hillebr. (end) K, Mo
Scaevola sericea Vahl (ind) Ku, Mi, PH, Li, La, FF, HI

GUNNERACEAE

- Gunnera kauaiensis* Rock (end) K (Alaka'i Swamp; Mt Kāhili; Mt Wai'ale'ale)
Gunnera petaloidea Gaud. (end) O, east Mo, M, H (Kohala Mts)

HALORAGACEAE

- Gonocarpus chinensis* (Lour.) Orch. subsp. *verrucosus* (Maiden & E. Betcke) Orch. (nat) H (Hawai'i Volcanoes NP)
Myriophyllum aquaticum (Vell.) Verdc. (nat) K, O, H

HELICONIACEAE

- Heliconia bihai* (L.) L. (nat) EM (Hāna Hwy)
Heliconia latispatha Benth. (nat) EM (Hāna Hwy), H
Heliconia metallica Planch. & Linden ex Hook. (nat) O (Ko: Mānoa Val)

HYDRANGEACEAE

Broussaisia arguta Gaud. (end) K, O, Mo, L, M, H

HYDROCHARITACEAE

Egeria densa Planch. (nat) K, O, Mo, H

Halophila hawaiiiana Doty & B. Stone (end) K, O, Mo, M

HYDROPHYLLACEAE

Nama sandwicensis A. Gray (end, V) Li, La, Ni, K, O, Mo, L, M, H

IRIDACEAE

Aristea gerrardii Weim. (nat) H (Volcano)

Crocosmia × *crocosmiiflora* (Lemoine ex E. Morr.) N.E. Brown (nat) K, O, M, H

Sisyrinchium acre H. Mann (end) EM, H

Sisyrinchium exile E.P. Bicknell (nat) EM (Kokomo), H (Kilauea, Hawai'i Volcanoes NP; Waimea, Kohala Mts)

Sisyrinchium rosulatum E.P. Bicknell (nat) H (Waimea, single collection)

Trimezia martinicensis (Jacq.) Herb. (nat) O

Watsonia borbonica (Pourr.) Goldblatt (nat) EM (Olinda)

JOINVILLEACEAE

Joinvillea ascendens Gaud. ex Brongn. & Gris (ind)

subsp. *ascendens* (end) K, O, Mo, M, H

JUNCACEAE

Juncus acuminatus Michx. (nat) M, H

Juncus bufonius L. (nat) K, Mo, M, H

Juncus effusus L. (nat) Mo, M, H

Juncus ensifolius Wikström (nat) M, H

Juncus planifolius R. Br. (nat) K, O, Mo, M, H

Juncus polyanthemus Buchenau (nat) O, M

Juncus tenuis Willd. (nat) K, Mo, EM, H

Luzula hawaiiensis Buchenau (end)

var. *glabrata* (Hillebr.) Degener & I. Degener K, Mo, M

var. *hawaiiensis* K, L, M, H

var. *oahuensis* (Degener & Fosb.) Degener & I. Degener O (Wa)

LAMIACEAE

Haplostachys bryanii Sherff (end, EX) central-southwest Mo

Haplostachys haplostachya (A. Gray) St. John (end, E*) K (ex), M (ex), H (Kīpukakālawamauna; formerly from Nohonaohae, Pu'ukapele, and Waiki'i)

Haplostachys linearifolia (Drake) Sherff (end, EX) Mo (Mauna Loa; Kawela Gulch; Kamalō; Pu'ukolekole), M

Haplostachys munroi C. Forbes (end, EX) west L (Ahupua'a Ka'ā; Paoma'i)

Haplostachys truncata (A. Gray) Hillebr. (end, EX) M

Hyptis pectinata (L.) Poit. (nat) K, O, M, H

Hyptis suaveolens (L.) Poit. (nat) H

Lamium amplexicaule L. (nat) EM (Haleakalā NP Headquarters)

Leonotis nepetifolia (L.) R. Br. (nat) K, O, M, H

Leonurus sibiricus L. (nat) K, O, M, H

Lepechinia hastata (A. Gray) Epling (ind?) EM (Haleakalā)

Marrubium vulgare L. (nat) L, H

- Mentha pulegium*** L. (nat) M
Mentha spicata L. (nat) O, H
Mentha* × *villosa Huds. (nat) O, H
Ocimum basilicum L. (nat) Ni, O, Mo, M, H
Ocimum gratissimum L. (nat) Ni, O, Mo, M, H
Phyllostegia ambigua (A. Gray) Hillebr. (end) M, H (Mauna Loa)
Phyllostegia bracteata Sherff (end, R) M
Phyllostegia brevidens A. Gray (end, EX) H (Hilo; Mauna Kea)
Phyllostegia electra C. Forbes (end) K
Phyllostegia floribunda Benth. (end) H (Honokaia; Pāhala; Kohala Mts; Kīlauea to Laupāhoehoe)
Phyllostegia glabra (Gaud.) Benth. (end)
 var. ***glabra*** O (Wa: Mt Ka'ala; Ko), east Mo, L, EM
 var. ***lanaiensis*** Sherff (E) L (known from only two collections)
Phyllostegia grandiflora (Gaud.) Benth. (end) O (Wa: Mt Ka'ala; Ko)
Phyllostegia helleri Sherff (end, R) K (Kahōluamanu; Mt Kāhili)
Phyllostegia hillebrandii H. Mann ex Hillebr. (end, EX) EM (Kula; 'Ulupalakua)
Phyllostegia hirsuta Benth. (end) O (central Wa; Ko)
Phyllostegia hispida Hillebr. (end) east Mo
Phyllostegia imminuta (Sherff) St. John (end, EX?) L (Lāna'ihale), EM (Makawao)
Phyllostegia knudsenii Hillebr. (end, EX) K (Kōke'e)
Phyllostegia lantanoides Sherff (end) O
Phyllostegia macrophylla (Gaud.) Benth. (end) EM, east H
Phyllostegia manni Sherff (end, E) east Mo (Hanalilolilo to 'Ōhi'ālele), EM ('Ukulele, r)
Phyllostegia mollis Benth. (end, E) O (Wa; Ko: Honolulu area, ex), Mo, EM
Phyllostegia parviflora (Gaud.) Benth. (end)
 var. ***glabriuscula*** A. Gray H
 var. ***parviflora*** O, WM
Phyllostegia racemosa Benth. (end, R) H (windward slope of Mauna Kea and Mauna Loa)
Phyllostegia rockii Sherff (end, EX) EM ('Ukulele)
Phyllostegia stachyoides A. Gray (end) east Mo, WM, H (North and South Kona districts)
Phyllostegia variabilis Bitter (end, EX) Ku, Mi, La
Phyllostegia velutina (Sherff) St. John (end, R) H (Kīlauea to Pu'ukūpū; Nā'ālehu)
Phyllostegia vestita Benth. (end) H (Hīlea to Laupāhoehoe; Kohala Mts)
Phyllostegia waimeae Wawra (end, E) K
Phyllostegia warshaueri St. John (end, R) H (Laupāhoehoe; Kohala Ditch Trail)
Phyllostegia wawrana Sherff (end, EX) K (Hanalei; Kōke'e)
Plectranthus parviflorus Willd. (ind) Ni, K, O, Mo, L, M, H (may also have occurred on Ka in the past)
Plectranthus scutellarioides (L.) R. Br. (nat) K, O, M, H
Prunella vulgaris L. (nat) Mo, M, H
Salvia coccinea Juss. ex J.A. Murray (nat) O, Mo, L, M, H
Salvia occidentalis Sw. (nat) Ni, K, O, Mo, L, M, H
Stachys arvensis L. (nat) K, O, Mo, L, M, H; probably HI
Stenogyne angustifolia A. Gray (end, E*) Mo (ex), M (ex), H (Pōhakuoa Training Area)
Stenogyne bifida Hillebr. (end, E) Mo (Laiānu; Pelekunu Trail)
Stenogyne calaminthoides A. Gray (end) H
Stenogyne calycosa Sherff (end) M
Stenogyne campanulata Weller & Sakai (end, E) K (Kalalau)
Stenogyne cinerea Hillebr. (end, EX) EM (Kula)
Stenogyne cranwelliae Sherff (end, E) H (Kohala Mts)
Stenogyne haliakalae Wawra (end, EX) EM (south slope, Haleakalā)
Stenogyne kaalae Wawra (end) O (Wa; Ko: single collections from Nu'uānu Pali and Pe'ahināi'a Trail)
Stenogyne kamehamehae Wawra (end) Mo, M
Stenogyne kanehoana Degener & Sherff (end, E) O (Wa: Pu'ukānehoa)

- Stenogyne macrantha* Benth. (end) H
Stenogyne microphylla Benth. (end) EM, H
Stenogyne oxygona Degener & Sherff (end, EX?) H (Kohala Mts)
Stenogyne purpurea H. Mann (end) K
Stenogyne rotundifolia A. Gray (end) EM (north slope, Haleakalā)
Stenogyne rugosa Benth. (end) EM, H
Stenogyne scrophularioides Benth. (end) H (Mauna Loa; Mauna Kea, single collection)
Stenogyne sessilis Benth. (end) L (ex), M, H
Stenogyne viridis Hillebr. (end, EX) WM (Ka'anapali)

LAURACEAE

- Cassytha filiformis* L. (ind) Ni, K, O, Mo, L, M, H
Cinnamomum burmannii (Nees) Blume (nat) O (Ko: Mānoa Val; Pauoa Flats)
Cinnamomum camphora (L.) J. Presl (nat) K, O, L, M
Cinnamomum verum J. Presl (nat) K, O, M
Cryptocarya mannii Hillebr. (end) K, O
Persea americana Mill. (nat) K, O, M, H

LEMNACEAE

- Lemna perpusilla* Torr. (nat?) K, O, Mo, M, H
Spirodela polyrrhiza (L.) Schleid. (nat?) O

LENTIBULARIACEAE

- Utricularia gibba* L. (nat) H (Stainback Hwy)

LILIACEAE

- Astelia argyrocoma* A. Heller ex Skotts. (end) K
Astelia menziesiana Sm. (end) K, O, Mo, L, M, H
Astelia waialealae Wawra (end) K (Mt Wai'ale'ale; Alaka'i Swamp)
Dianella sandwicensis Hook. & Arnott (ind) K, O, Mo, L, M, H
Hippeastrum puniceum (Lam.) Voss (nat) K, H

LINACEAE

- Linum bienne* Mill. (nat) M (Wailaulau)
Linum trigynum L. (nat) O (Wa: 'Ōhikilolo Ridge; Mokulē'ia Val)

LOGANIACEAE

- Labordia cyrtandrae* (Baill.) St. John (end, R) O (Wa: Mākaha Val; Hale'au'au Gulch; Ko)
Labordia degeneri Sherff (end) K (Kōke'e; Pihea Trail)
Labordia fagraeoidea Gaud. (end) O (Ko)
Labordia hedyosmifolia Baill. (end) Mo, L, M, H
Labordia helleri Sherff (end, R) K (Nāpali Coast)
Labordia hirtella H. Mann (end) east K, O (Ko: Nu'uano to Wailupe valleys), Mo, L, M, H
Labordia hosakana (Sherff) W.L. Wagner, Herbst & Sohmer (end) O (Ko: Kīpapa to Wa'ahila)
Labordia kaalae C. Forbes (end) O (Wa)
Labordia lydgatei C. Forbes (end, E) K (Wahiawa Mts)
Labordia pumila (Hillebr.) Skotts. (end, R) K (Mt Wai'ale'ale; Alaka'i Swamp)
Labordia sessilis A. Gray (end) O (Ko)
Labordia tinifolia A. Gray (end)
 var. *lanaiensis* Sherff Mo (Mapulehu Val), L
 var. *tinifolia* K, O (Wa: Mākaha Val; Pu'upane; Ko), Mo, M, H
 var. *wahiawaensis* St. John K (Wahiawa Val)

- Labordia venosa** Sherff (end) EM
Labordia waialealae Wawra (end) K (Mt Wai'ale'ale; Alaka'i Swamp; Pihea; Makaleha Mts)
Labordia waiolani Wawra (end) O, Mo, L (r)

LYTHRACEAE

- Ammannia auriculata** Willd. (nat) O, M
Ammannia coccinea Rottb. (nat) K (Hanalei)
Cuphea carthagenensis (Jacq.) Macbr. (nat) K, O, Mo, M, H
Cuphea hyssopifolia Kunth (nat) H
Cuphea ignea A. DC (nat) H (Honokāne Nui Val; Honoka'a)
Lythrum maritimum Kunth (ind?) K, O, Mo, L, M, H

MALVACEAE

- Abelmoschus moschatus** Medik. (nat) K (Hanapēpē Riv, single collection)
Abutilon auritum (Wall ex Link) Sweet (nat) EM (Kahikinui, single collection; not known if species persists)
Abutilon eremitopetalum Caum (end, E) east L (Kalulu and Maunalei valleys; Kānepu'u; Kehewai Gulch)
Abutilon grandifolium (Willd.) Sweet (nat) Mi, HI
Abutilon incanum (Link) Sweet (ind?) Ni, K, O, Mo, L, M, Ka
Abutilon indicum (L.) Sweet (nat) O (Honolulu, single collection)
Abutilon menziesii Seem. (end, E*) L, EM, H
Abutilon sandwicense (Degener) Christoph. (end, E) O (Wa: between Makaleha Val and Pu'ukaua)
Gossypium barbadense L. (nat) Ni, K, O, Mo, L, H
Gossypium hirsutum L. (nat) O (Hale'iwa)
Gossypium tomentosum Nutt. ex Seem. (end, V) Ni, K, O, Mo, L, M, Ka
Herissantia crispa (L.) Briz. (nat) M (Olowalu)
Hibiscadelphus bombycinus C. Forbes (end, EX) H (Kawaihae)
Hibiscadelphus crucibracteatus Hobby (end, EX) L (Puhielelu Ridge)
Hibiscadelphus distans L. Bishop & Herbst (end, E*) K (Koai'e Stream, Waimea Canyon)
Hibiscadelphus giffardianus Rock (end, E) H (Kipukapuulu)
Hibiscadelphus hualalaiensis Rock (end, E) H (Hualālai and Waihou, North Kona)
Hibiscadelphus wilderianus Rock (end, EX) EM (Auwahi, south slope, Haleakalā)
Hibiscus arnottianus A. Gray (end)
 subsp. **arnottianus** O (Wa; east Ko: Wahiawā to Niu Val)
 subsp. **immaculatus** (M. Roe) D. Bates (E) Mo (Wailau, Waihānau, and Pāpalaua valleys)
 subsp. **punaluuensis** (Skotts.) D. Bates O (Ko: Kaipapa'u to Waiāhole)
Hibiscus brackenridgei A. Gray (end, E)
 subsp. **brackenridgei** Mo, L, M, H
 subsp. **mokuleianus** (M. Roe) D. Bates K (Līhu'e; Olokele Canyon), O (Wa: Kawaihāpai to Pu'upane)
Hibiscus calyphyllus Cav. (nat) K
Hibiscus clayi Degener & I. Degener (end, E) east K (Nounou Mountain; Hāli'i Val; Anahola Mts)
Hibiscus furcellatus Desr. (ind) K, O, M, H
Hibiscus kokio Hillebr. ex Wawra (end, R)
 subsp. **kokio** K, O, Mo, M, H?
 subsp. **saintjohnianus** (M. Roe) D. Bates northwest K
Hibiscus macrophyllus Roxb. ex Hornem. (nat) O (Pālama and Kaipapa'u valleys), H (Kohala Mts)
Hibiscus mutabilis L. (nat) O (Ko: Hālawa; Poamoho)
Hibiscus tiliaceus L. (ind?) Mi, FF, K, O, Mo, L, M, H; probably HI
Hibiscus waimeae A. Heller (end)
 subsp. **hannerae** (Degener & I. Degener) D. Bates (R) northwest K (Hanakāpī'ai; Limahuli; Kalihi Wai)
 subsp. **waimeae** K (Waimea Canyon; west and southwest valleys)

- Kokia cookei** Degener (end, E*) west Mo (Mauna Loa)
Kokia drynarioides (Seem.) Lewton (end, E*) H (Pu'uwa'awa'a and Hu'ehu'e, North Kona)
Kokia kauaiensis (Rock) Degener & Duvel (end, V) west K (Pa'aiki, Ku'ia, Mahanaloa, Kalalau, and Koai'e valleys)
Kokia lanceolata Lewton (end, EX) southeast O (Makaku; Koko Head; Wailupe Val)
Malachra alceifolia Jacq. (nat) K, O, M
Malva parviflora L. (nat) FF, HI
Malvastrum americanum (L.) Torr. (nat) O (Queen's Beach)
Malvastrum coromandelianum (L.) Garcke subsp. **coromandelianum** (nat) Mi, HI
Malvaviscus penduliflorus DC (nat) K, M, H
Modiola caroliniana (L.) G. Don (nat) M, H
Sida acuta N.L. Burm. subsp. **carpinifolia** (L. fil.) Borssum Waalkes (nat) K, O, M, H
Sida cordifolia L. (nat) EM (Kaupō), H (Kona Coast)
Sida fallax Walp. (ind) Mi, N, HI
Sida linifolia Cav. (nat) Mo (Honouli Wai)
Sida rhombifolia L. (nat?) HI
Sida spinosa L. (nat) O (Honolulu; Wa), H (Kohala Dist)
Sida urens L. (nat) H (North Kona)
Sidastrum micranthum (St. Hil.) Fryx. (nat) O (Wa: Makaleha Val), H (Ka'awaloa)
Sidastrum paniculatum (L.) Fryx. (nat) H (Hālawā)
Thespesia populnea (L.) Sol. ex Corrêa (ind?) Ni, K, O, Mo, M, H; probably HI
Urena lobata L. (nat) K, O, EM

MARANTACEAE

- Calathea crotalifera** S. Wats. (nat) O (Ko: Pu'ulanihuli)

MELASTOMATACEAE

- Arthrostema ciliatum** Pav. ex D. Don (nat) O (Ko: Mānoa; Tantalus; 'Ōpae'ula; Castle Trail), H (Kona Dist)
Clidemia hirta (L.) D. Don var. **hirta** (nat) K, O, Mo, M, H
Dissotis rotundifolia (Sm.) Triana (nat) O, M, H
Heterocentron subtriplinervium (Link & Otto) A. Braun & C. Bouché (nat) K, O, M, H
Medinilla venosa (Blume) Blume (nat) EM (Nāhiku to Hāna)
Melastoma candidum D. Don (nat) K, H
Melastoma sanguineum Sims (nat) H (Keaukaha; between Volcano and Hilo)
Oxyspora paniculata (D. Don) DC (nat) O (Ko: Tantalus)
Pterolepis glomerata (Rottb.) Miq. (nat) K, O, H
Tetrazygia bicolor (Mill.) Cogn. (nat) H (Hilo; Nānāwale FR, Puna Dist)
Tibouchina herbacea (DC) Cogn. (nat) WM (Maluhia Boy Scout Camp), EM (Lanilili and Ko'olau FR), H (Saddle Rd)
Tibouchina longifolia (Vahl) Baill. ex Cogn. (nat) H (Stainback Hwy)
Tibouchina urvilleana (DC) Cogn. var. **urvilleana** (nat) K, O, M, H
Trembleya phlogiformis DC var. **parvifolia** Cogn. (nat) K (Waipahe'e Trail, Kamalomalo'o)

MELIACEAE

- Melia azedarach** L. (nat) Ni, K, O, L, M, H
Toona ciliata M. Roem. var. **australis** (F.v. Muell.) C. DC (nat) K, O, L, M, H

MENISPERMACEAE

- Cocculus trilobus** (Thunb.) DC (ind) Ni, K, O, Mo, L, M, H

MOLLUGINACEAE

- Mollugo cerviana** (L.) Ser. (nat) H

MORACEAE

- Broussonetia papyrifera** (L.) Venten. (pol) HI
Ficus microcarpa L. fil. (nat) O, M, H; probably HI
Morus alba L. (nat) K, O, Mo, M, H
Streblus pendulinus (Endl.) F.v. Muell. (ind) K, O, Mo, L, M, H

MUSACEAE

- Musa × paradisiaca** L. (pol) K, O, Mo, L, M, H
Musa troglodytarum L. (pol) K, O, Mo, M, H

MYOPORACEAE

- Myoporum sandwicense** A. Gray (ind) Ni, K, O, Mo, L, M, H; probably HI

MYRICACEAE

- Myrica faya** Aiton (nat) K, O, L, M, H

MYRSINACEAE

- Ardisia crenata** Sims (nat) O (Ko: Waiāhole-Waikāne and Mānoa valleys), H (Hilo)
Ardisia elliptica Thunb. (nat) K, O, EM, H
Embelia pacifica Hillebr. (end) K, O, Mo, L, M, H
Myrsine alyxifolia Hosaka (end) K (Kōke'e; Hā'upu Ridge)
Myrsine degeneri Hosaka (end) O (Ko: Pu'ukeahiakahoe; Kawai Nui)
Myrsine denticulata (Wawra) Hosaka (end) K (Alaka'i Swamp to Mt Wai'ale'ale)
Myrsine emarginata (Rock) Hosaka (end) O (Wa: Mt Ka'ala), L (Lāna'ihale), EM (Waikamoi)
Myrsine fernseei (Mez) Hosaka (end) K (Wahiawa Bog; Powerline Trail; Hanalei Riv; Kaloko Reservoir)
Myrsine fosbergii Hosaka (end) O (Ko: southeast end to Castle Trail)
Myrsine helleri (Degener & I. Degener) St. John (end) K (Wahiawa Bog; Alaka'i Swamp to Mt Wai'ale'ale)
Myrsine juddii Hosaka (end, R) O (Ko: Kawai Iki and Poamoho gulches; Pe'ahinā'a Trail; Punalu'u Trail)
Myrsine kauaiensis Hillebr. (end) K (Kōke'e; Alaka'i Swamp; Hanapēpē Val)
Myrsine knudsenii (Rock) Hosaka (end) K (Kōke'e; Hanapēpē Val)
Myrsine lanaiensis Hillebr. (end) K, O, Mo, L, M, H
Myrsine lessertiana A. DC (end) K, O, Mo, L, M, H
Myrsine linearifolia Hosaka (end, R) K (west half to Pu'uokila)
Myrsine mezii Hosaka (end, EX) K (Hanapēpē)
Myrsine petiolata Hosaka (end) K (east half; Alaka'i Swamp Trail)
Myrsine pukooensis (H. Lév.) Hosaka (end) O, east Mo, L, WM
Myrsine punctata (H. Lév.) Wilbur (end) K (Kōke'e Plateau; Alaka'i Swamp; Mt Kāhili), O (Wa: Kuaokalā)
Myrsine sandwicensis A. DC (end) O, Mo, L, M, H
Myrsine vaccinioides W.L. Wagner, Herbst & Sohmer (end, R) WM (Violet Lake, Pu'ukukui)
Myrsine wawraea (Mez) Hosaka (end) K (Kōke'e; Alaka'i Swamp; Mt Kāhili; Kalalau Trail)

MYRTACEAE

- Eucalyptus albens** Benth. (nat) O, H
Eucalyptus amygdalina Labill. (nat) M, H
Eucalyptus botryoides Sm. (nat) K, H
Eucalyptus bridgesiana R. Baker (nat) K, O, Mo, H
Eucalyptus calophylla R. Br. (nat) O, H
Eucalyptus camaldulensis Dehnh. (nat) K, O, Mo, M, H

- Eucalyptus cinerea* F.v. Muell. ex Benth. (nat) K, H
Eucalyptus citriodora Hook. (nat) K, O, Mo, M, H
Eucalyptus cladocalyx F.v. Muell. (nat) H
Eucalyptus cornuta Labill. (nat) H
Eucalyptus crebra F.v. Muell. (nat) K, O, Mo
Eucalyptus deanei Maiden (nat) K, O, Mo, H
Eucalyptus deglupta Blume (nat) K, O, Mo, H
Eucalyptus ficifolia F.v. Muell. (nat) K, O, M, H
Eucalyptus globulus Labill. (nat)
 subsp. *globulus* K, O, M, H
 subsp. *maidenii* (F.v. Muell.) Kirkpatr. M, H
Eucalyptus gomphocephala DC (nat) O
Eucalyptus goniocalyx F.v. Muell. ex Miq. (nat) O, H
Eucalyptus gummifera (Sol. ex Gaertn.) Hochr. (nat) K, O
Eucalyptus marginata Donn ex Sm. (nat) K, O, Mo, M, H
Eucalyptus microcorys F.v. Muell. (nat) K, O, Mo, M, H
Eucalyptus paniculata Sm. (nat) K, O, Mo, M, H
Eucalyptus pilularis Sm. (nat) K, O, Mo, M, H
Eucalyptus raveretiana F.v. Muell. (nat) EM
Eucalyptus resinifera Sm. (nat) O, M, H
Eucalyptus robusta Sm. (nat) K, O, Mo, M, H
Eucalyptus rudis Endl. (nat) K, O, M, H
Eucalyptus saligna Sm. (nat) K, O, Mo, M, H
Eucalyptus sideroxylon A. Cunn. ex Woolls subsp. *sideroxylon* (nat) K, O, Mo, M
Eucalyptus tereticornis Sm. (nat) K, O, Mo, M, H
Eucalyptus viminalis Labill. subsp. *viminalis* (nat) O, H
Eugenia koolauensis Degener (end, E) O (north Ko: Pūpūkea to Kaipapa'u), Mo (Mauna Loa)
Eugenia reinwardtiana (Blume) DC (ind) K, O, Mo, M
Eugenia uniflora L. (nat) K, Mo
Leptospermum flavescens Sm. (nat) O (Ko: Wai'ālae Nui Ridge)
Leptospermum laevigatum (Sol. ex Gaertn.) F.v. Muell. (nat) L
Leptospermum scoparium J.R. Forster & G. Forster (nat) K, O, L
Lophostemon confertus (R. Br.) Peter G. Wilson & Waterhouse (nat) O
Melaleuca quinquenervia (Cav.) S.T. Blake (nat) K, O, Mo, M, H
Metrosideros macropus Hook. & Arnott (end) O (Ko)
Metrosideros polymorpha Gaud. (end)
 var. *dieteri* J. Wyndham Dawson & Stemmermann K
 var. *glaberrima* (H. Lév.) St. John K, O, Mo, L, M, H
 var. *incana* (H. Lév.) St. John O, Mo, L, M, H
 var. *macrophylla* (Rock) St. John H
 var. *newellii* (Rock) St. John H
 var. *polymorpha* O, Mo, L, M, H
 var. *pseudorugosa* (Skotts.) J. Wyndham Dawson & Stemmermann WM
 var. *pumila* (A. Heller) J. Wyndham Dawson & Stemmermann K, Mo, M
Metrosideros rugosa A. Gray (end) O (Ko)
Metrosideros tremuloides (A. Heller) P. Knuth (end) O
Metrosideros waialealae (Rock) Rock (end)
 var. *fauriei* (H. Lév.) J. Wyndham Dawson & Stemmermann Mo, L
 var. *waialealae* K
Psidium cattleianum Sabine (nat) K, O, Mo, L, M, H; probably HI
Psidium guajava L. (nat) K, O, Mo, L, M, H; probably HI
Rhodomyrtus tomentosa (Aiton) Hassk. (nat) K, O, H
Syzygium cumini (L.) Skeels (nat) K, O, Mo, L, M, H
Syzygium jambos (L.) Alston (nat) K, O, Mo, L, M, H

- Syzygium malaccense* (L.) Merr. & Perry (pol) K, O, Mo, M, H
Syzygium sandwicensis (A. Gray) Nied. (end) K, O, Mo, L, M

NYCTAGINACEAE

- Boerhavia coccinea* Mill. (nat) K, O, M, Ka, H
Boerhavia glabrata Blume (ind) Ni, O, Mo, L, M, Ka, H
Boerhavia herbstii Fosb. (end) PH, Li, O, L, M, Ka, H
Boerhavia repens L. (ind) Ku, Mi, PH, Li, La, FF, HI
Mirabilis jalapa L. (nat) Mi, K, O, L, M, H
Pisonia brunoniana Endl. (ind) O, Mo, L, M, H
Pisonia grandis R. Br. (ind) Li, M?
Pisonia sandwicensis Hillebr. (end) K, O, Mo, L, M, H
Pisonia umbellifera (G. Forster) Seem. (ind) K, O, Mo (single collection), L, M, H (single collection)
Pisonia wagneriana Fosb. (end, R) K (Powerline Trail to Maunahina-Wainiha drainage)

OCHNACEAE

- Sauvagesia erecta* L. (nat) Mo (Keōpuka Loa)

OLEACEAE

- Fraxinus uhdei* (Wenzig) Lingelsh. (nat) K, O, Mo, L, M, H
Nestegis sandwicensis (A. Gray) Degener, I. Degener & L. Johnson (end) K, O, Mo, L, M, H
Olea europaea L. (nat)
 subsp. *africana* (Mill.) P. Green H (‘Āinahou Ranch)
 subsp. *europaea* H (Parker Ranch)

ONAGRACEAE

- Epilobium billardierianum* Ser. subsp. *cinereum* (A. Rich.) Raven & Engelhorn (nat) K (Kōke‘e),
 O (Wa: Mt Ka‘ala), M, H
Epilobium ciliatum Raf. (nat) H (Kilauea; Kohala Mts)
Fuchsia boliviana Carrière (nat) K (Kōke‘e)
Fuchsia magellanica Lam. (nat) K, M, H
Fuchsia paniculata Lindl. (nat) H (Kilauea FR; Thurston Lava Tube)
Ludwigia octovalvis (Jacq.) Raven (pol?) K, O, Mo, L, M, H
Ludwigia palustris (L.) Elliott (nat) K, O, Mo, M, H
Oenothera affinis Cambess. (nat) H (between Mauna Loa and Mauna Kea; Makahālau)
Oenothera laciniata J. Hill (nat) Mi, M, H
Oenothera stricta Ledeb. ex Link subsp. *stricta* (nat) EM, H

ORCHIDACEAE

- Anoectochilus sandwicensis* Lindl. (end) K, O, Mo, L, M, H
Arundina graminifolia (D. Don) Hochr. (nat) K, O, M, H
Epidendrum × *obrienianum* Rolfe (nat) K (Wahiawa Bog), O, L, M, H
Liparis hawaiiensis H. Mann (end) K, O, Mo, L, M, H
Phaius tankarvilleae (Banks ex L'Hér.) Blume (nat) K, O, L, H
Platanthera holochila (Hillebr.) Kraenzl. (end, R) K, O, Mo, M
Spathoglottis plicata Blume (nat) K, O, Mo, L, M, H

OXALIDACEAE

- Oxalis corniculata* L. (pol?) Mi, HI
Oxalis corymbosa DC (nat) K, O, Mo, L, M, H

PANDANACEAE

- Freycinetia arborea* Gaud. (ind) K, O, Mo, L, M, H; probably HI
Pandanus tectorius S. Parkinson ex Z. (ind?) Ni, K, O, Mo, L, M, H

PAPAVERACEAE

- Argemone glauca* (Nutt. ex Prain) Pope (end)
 var. *decipiens* Ownbey H (leeward side and between Mauna Loa and Mauna Kea)
 var. *glauca* Ni, O, Mo, L, M, Ka, H (South Pt)
Argemone mexicana L. (nat) K, O, M
Bocconia frutescens L. (nat) M, H
Eschscholzia californica Cham. (nat) EM (Kula Rd), H (Hale Pöhaku Ranger Station)
Hunnemannia fumariifolia Sweet (nat) EM (Pi'ilani Hwy)

PASSIFLORACEAE

- Passiflora* × *caerulea* L. (nat) K, O
Passiflora edulis Sims (nat) K, O, L, M, H
Passiflora foetida L. (nat) Ni, K, O, M, H
Passiflora laurifolia L. (nat) K, O, Mo, H
Passiflora ligularis Juss. (nat) K, O, L, H
Passiflora manicata (Juss.) Pers. (nat) K
Passiflora mollissima (Kunth) L.H. Bailey (nat) K, H
Passiflora pulchella Kunth (nat) O, H
Passiflora quadrangularis L. (nat) O (Ko: Waiähole Val), H (Kona)
Passiflora suberosa L. (nat) O, M, H
Passiflora subpeltata Ort. (nat) K, O, M
Passiflora vitifolia Kunth (nat) O (Ko: Mānoa Falls Trail)

PHYTOLACCACEAE

- Phytolacca octandra* L. (nat) K, O, Mo, L, M
Phytolacca sandwicensis Endl. (end) K, O, Mo, M, H
Rivina humilis L. (nat) K, O, H

PIPERACEAE

- Peperomia alternifolia* Yuncker (end) Mo, L, M
Peperomia cookiana C. DC (end) K, Mo, M, H
Peperomia degeneri Yuncker (end, EX?) Mo (Kalua'aha Val)
Peperomia eekana C. DC (end) Mo, M
Peperomia ellipticibacca C. DC (end) O (Ko)
Peperomia expallescens C. DC (end) Mo, M
Peperomia globulanthera C. DC (end) M
Peperomia hesperomannii Wawra (end) K
Peperomia hirtipetiola C. DC (end) L (r), M
Peperomia hypoleuca Miq. (end) H
Peperomia kipahuluensis St. John & C. Lamour. (end) EM (Kipahulu, Waiho'i, and Kūhiwa valleys)
Peperomia kokeana Yuncker (end) K (Kōke'e)
Peperomia latifolia Miq. (end) K, O, Mo, L, M, H
Peperomia leptostachya Hook. & Arnott (ind) Ni, K, O, Mo, L, M, H
Peperomia ligustrina Hillebr. (end) Mo, M, H
Peperomia macraeana C. DC (end) O, Mo, L, M, H
Peperomia mauiensis Wawra (end) Mo, L, WM
Peperomia membranacea Hook. & Arnott (end) K, O, Mo, M, H
Peperomia oahuensis C. DC (end) K (Hā'upu Ridge; Kamo'oloa Stream), O (Ko)

- Peperomia obovatilimba* C. DC (end) EM, H (Kohala Mts)
Peperomia pellucida (L.) Kunth (nat) O
Peperomia remyi C. DC (end) K, O, Mo, L, M, H
Peperomia rockii C. DC (end, R) east Mo
Peperomia sandwicensis Miq. (end) K, O, Mo
Peperomia subpetiolata Yuncker (end, R) EM (Kula Pipeline, lower Waikamoi)
Peperomia tetraphylla (G. Forster) Hook. & Arnott (ind) K, O, Mo, L, M, H
Piper methysticum G. Forster (pol) K, O, Mo, M, H; probably also on Ni and L

PITTOSPORACEAE

- Pittosporum argentifolium* Sherff (end) Mo, M
Pittosporum confertiflorum A. Gray (end) O, L, M, H
Pittosporum flocculosum (Hillebr.) Sherff (end) O (Wa; Ko: Kuli'ou'ou-Waimānalo Ridge to Hālawā Val)
Pittosporum gayanum Rock (end) K
Pittosporum glabrum Hook. & Arnott (end) K, O, Mo, L, M
Pittosporum hawaiiense Hillebr. (end) leeward H (Kohala Mts to Ka'ū Dist)
Pittosporum hosmeri Rock (end) H (Kohala Mts south to Mauna'anu, Ka'ū FR)
Pittosporum kauaiense Hillebr. (end) K
Pittosporum napaliense Sherff (end, R) northwest K (Limahuli to Hanakoa valleys)
Pittosporum terminalioides Planch. ex A. Gray (end) L, M, leeward H (Kilauea to Kohala Mts)
Pittosporum undulatum Venten. (nat) L (Lāna'ihale), H
Pittosporum viridiflorum Sims (nat) L (Kapano Gulch), H (Pu'uwa'awa'a; Waimea)

PLANTAGINACEAE

- Plantago aristata* Michx. (nat) H (Kilauea Military Camp, Hawai'i Volcanoes NP; Kapāpala)
Plantago australis Lam. subsp. *hirtella* (Kunth) Rahn (nat) EM, H
Plantago debilis R. Br. (nat) O (Honolulu)
Plantago hawaiiensis (A. Gray) Pilg. (end, E) H
Plantago lanceolata L. (nat) Mi, FF, K, O, Mo, L, M, H
Plantago major L. (nat) Mi, K, O, Mo, L, M, H
Plantago pachyphylla A. Gray (end) K (Alaka'i Swamp; Mt Wai'ale'ale), O (Ko), Mo (Pēpē'ōpae Bog), M, H (Kohala Mts; Kahuku Ranch)
Plantago princeps Cham. & Schlechtend. (end, R)
 var. *anomala* Rock K (Hanapēpē and Kalalau valleys), O (Wa: Nāpepeiauolelo Gulch)
 var. *laxiflora* A. Gray Mo, M, H
 var. *longibracteata* H. Mann K (Hanalei and Hanapēpē valleys; Wahiawa Mts), O (Wa: Mt Ka'ala; Ko: Kaipapa'u to Pa'ala'a-Wahiawā)
 var. *princeps* O (Ko: Mānoa Cliffs Trail; Kalihi and Nu'uuanu valleys)

PLUMBAGINACEAE

- Plumbago zeylanica* L. (ind) HI

POACEAE

- Agrostis avenacea* J.G. Gmelin (ind) K, O, Mo, L, M, H
Agrostis sandwicensis Hillebr. (end) O, M, H
Agrostis semiverticillata (Forssk.) C. Chr. (nat) K, H
Agrostis stolonifera L. (nat) K, O, Mo, M, H
Aira caryophyllea L. (nat) Mo, M, H
Andropogon virginicus L. (nat) O, H
Anthoxanthum odoratum L. (nat) Mo, M, H
Arundo donax L. (nat) K, O, M, H
Avena fatua L. (nat) K, O, L, M, H

- Avena sativa* L. (nat) O, M, H
Axonopus fissifolius (Raddi) Kuhl. (nat) K, O, L, M, H
Bothriochloa barbinodis (Lag.) Herter (nat) Ni, O, Mo, M
Bothriochloa pertusa (L.) A. Camus (nat) HI
Brachiaria mutica (Forssk.) Stapf (nat) Mi, K, O, L, M, H
Briza maxima L. (nat) K, M, H
Briza minor L. (nat) K, O, Mo, L, M, H
Bromus mollis L. (nat) K, O, M, H
Bromus rigidus Roth (nat) K, H
Bromus willdenowii Kunth (nat) Mi, O, Mo, M, H
Calamagrostis expansa (Munro ex Hillebr.) Hitchc. (end, R) M
Calamagrostis hillebrandii (Munro ex Hillebr.) Hitchc. (end) central Mo (single collection), WM
(Pu'ukukui)
Cenchrus agrimonioides Trin. (end)
var. *agrimonioides* O, L, M
var. *laysanensis* F. Brown (EX) Ku, Mi, La
Cenchrus ciliaris L. (nat) K, O, Mo, L, M, Ka, H
Cenchrus echinatus L. (nat) Ku, Mi, Li, La, FF, N, HI
Chloris barbata (L.) Sw. (nat) Ku, Mi, Ni, K, O, Mo, L, M, H
Chloris divaricata R. Br. (nat)
var. *cynodontioides* (Balansa) Lazarides K, O
var. *divaricata* Ni, L, M, Ka
Chloris gayana Kunth (nat) Ni, O, L, M, H
Chloris radiata (L.) Sw. (nat) K, O, L, M, H
Chloris virgata Sw. (nat) Ku, K, Mo, L, M, Ka, H
Chrysopogon aciculatus (Retz.) Trin. (ind?) K, O, Mo, L, H
Coix lachryma-jobi L. (nat) K, O, Mo, M, H
Cymbopogon refractus (R. Br.) A. Camus (nat) K, O, Mo, M, H
Cynodon dactylon (L.) Pers. (nat) Ku, Mi, PH, La, FF, K, O, L, M, Ka, H
Dactylis glomerata L. (nat) K, O, Mo, M, H
Dactyloctenium aegyptium (L.) Willd. (nat) O, Mo, M, Ka, H
Danthonia pilosa R. Br. (nat) H
Deschampsia nubigena Hillebr. (end) K, Mo, M, H
Dichanthelium cynodon (Reichardt) C.A. Clark & Gould (end) K, Mo, M
Dichanthelium hillebrandianum (Hitchc.) C.A. Clark & Gould (end) K, Mo, M, H
Dichanthelium isachnoides (Munro ex Hillebr.) C.A. Clark & Gould (end) K, Mo, M
Dichanthelium koolauense (St. John & Hosaka) C.A. Clark & Gould (end) O (Ko: Kaipapa'u to Moanalua)
Dichanthium annulatum (Forssk.) Stapf (nat) O
Dichanthium aristatum (Poir.) Hubb. (nat) K, O, L, M
Dichanthium sericeum (R. Br.) A. Camus (nat) Ni, O, L, M, Ka, H
Digitaria ciliaris (Retz.) Koeler (nat) Ku, Mi, FF, HI
Digitaria fuscescens (K. Presl) Henr. (nat) H
Digitaria insularis (L.) Mez ex Ekman (nat) Mi, K, O, Mo, L, M, Ka, H
Digitaria setigera Roth (ind) Ni, K, O, Mo, L, M, H
Digitaria violascens Link (nat) K, O, Mo, L, M, H
Dissochondrus biflorus (Hillebr.) Kuntze ex Hack. (end) K, O, Mo, L, M, H
Echinochloa colona (L.) Link (nat) HI
Echinochloa crus-galli (L.) P. Beauv. (nat) K, O, Mo, L, M, H
Ehrharta stipoides Labill. (nat) O, M, H
Eleusine indica (L.) Gaertn. (nat) Ku, Mi, FF, K, O, Mo, L, M, H
Eragrostis atropioides Hillebr. (end) O, Mo, L, M, H
Eragrostis brownei (Kunth) Nees ex Steud. (nat) Mo, M, H
Eragrostis cilianensis (All.) Link (nat) K, O, Mo, M, Ka, H

- Eragrostis deflexa* Hitchc. (end, EX) L, H
Eragrostis fosbergii Whitney (end, EX) O (Wa: Mt Ka'ala to Kolekole Pass)
Eragrostis grandis Hillebr. (end) K, O, Mo, L, M, H
Eragrostis hosakai Degener (end, EX) Mo (Mauna Loa)
Eragrostis leptophylla Hitchc. (end) L, M, H
Eragrostis maiuensis Hitchc. (end, EX) L, M (Wailuku)
Eragrostis monticola (Gaud.) Hillebr. (end) Mo, L, M, H
Eragrostis paupera Jedwabn. (ind) Ku, Mi, PH, FF, O (Barber's Pt, ex)
Eragrostis pectinacea (Michx.) Nees (nat) O, L, M, H
Eragrostis tenella (L.) P. Beauv. ex Roem. & Schult. (nat) Mi, Ni, O, M, Ka, H
Eragrostis variabilis (Gaud.) Steud. (end) Ku, Mi, PH, Li, La, N, HI
Eriochloa punctata (L.) Desv. ex W. Ham. (nat) Ni, O
Festuca hawaiiensis Hitchc. (end?) EM ('Ulupalakua, single collection), H (single collection each from Pu'uhuluhulu and Hualalai)
Festuca rubra L. (nat) M, H
Garnotia acutigluma (Steud.) Ohwi (nat?) Mo, M, H
Gastridium ventricosum (Gouan) Schinz & Thell. (nat) K, M, H
Heteropogon contortus (L.) P. Beauv. ex Roem. & Schult. (ind?) HI
Holcus lanatus L. (nat) K, O, Mo, M, H
Hordeum leporinum Link (nat) Mi, L, M, H
Hyparrhenia rufa (Nees) Stapf (nat) K, O, Mo, M, H
Isachne distichophylla Munro ex Hillebr. (end) K, O, Mo, L, M, H
Isachne pallens Hillebr. (end) K, O
Ischaemum byrone (Trin.) Hitchc. (end, V) Mo, M, H
Koeleria nitida Nutt. (nat) H
Leptochloa uninervia (K. Presl) Hitchc. & Chase (nat) K, O, Mo, M
Lepturus repens (G. Forster) R. Br. (ind) Ku, Mi, PH, Li, La, FF
Lolium multiflorum Lam. (nat) K, O, M, H
Lolium perenne L. (nat) H
Melinis minutiflora P. Beauv. (nat) K, O, Mo, L, M, Ka, H
Muhlenbergia microsperma (DC) Kunth (nat) O (Diamond Head), M (Wai'ale Reservoir)
Oplismenus compositus (L.) P. Beauv. (nat) K, O, Mo, H
Oplismenus hirtellus (L.) P. Beauv. (nat) K, O, Mo, L, M, H
Panicum antidotale Retz. (nat) O, Mo, H
Panicum beecheyi Hook. & Arnott (end) K, O, M
Panicum coloratum L. (nat) Mo, M
Panicum dichotomiflorum Michx. (nat) O, H
Panicum fauriei Hitchc. (end)
 var. *carteri* (Hosaka) Davidse (E*) O (Mokoli'i Islet)
 var. *fauriei* O, Mo, M, Ka, H
 var. *latius* (St. John) Davidse K, O, Mo, L, M, Ka, H
Panicum konaense Whitney & Hosaka (end) M, H
Panicum maximum Jacq. (nat) HI
Panicum miliaceum L. (nat) O, M, H
Panicum napaliense Davidse (end) K
Panicum nephelophilum Gaud. (end) K, O, Mo, L, M, H
Panicum niihauense St. John (end, R) Ni
Panicum pellitum Trin. (end) Ni, L, M, H
Panicum ramosius Hitchc. (end) Mo, L, Ka
Panicum repens L. (nat) O, L, H
Panicum tenuifolium Hook. & Arnott (end) O, Mo, L, M, H
Panicum torridum Gaud. (end) Ne, N, HI
Panicum virgatum L. (nat) O (single collection)
Panicum xerophilum (Hillebr.) Hitchc. (end) Ni, O, Mo, L, M, H

- Paspalum conjugatum* Bergius (nat) K, O, Mo, L, M, H
Paspalum dilatatum Poir. (nat) K, O, Mo, L, M, H
Paspalum fimbriatum Kunth (nat) Ku, K, O
Paspalum scrobiculatum L. (ind?) K, O, Mo, M, H
Paspalum urvillei Steud. (nat) Mi, K, O, Mo, L, M, H
Paspalum vaginatum Sw. (nat) K, O, H
Pennisetum clandestinum Chiov. (nat) O, L, M, H
Pennisetum polystachion (L.) Schult. (nat) O, L, H
Pennisetum purpureum Schumach. (nat) K, O, L, M, H
Pennisetum setaceum (Forsk.) Chiov. (nat) K, O, L, H
Phyllostachys nigra (Lodd.) Munro (nat) O, Mo, M
Poa annua L. (nat) Ku, Mi, K, O, Mo, L, M, H
Poa mannii Munro ex Hillebr. (end, EX) K (Waimea; Olokele Gulch)
Poa pratensis L. (nat) O, M, H
Poa sandvicensis (Reichart) Hitchc. (end, E) K
Poa siphonoglossa Hack. (end, E) K (Kōke'e)
Polypogon interruptus Kunth (nat) Mi, K, O, M, H
Polypogon monspeliensis (L.) Desf. (nat) Mi, K, O, M, H
Rhynchelytrum repens (Willd.) Hubb. (nat) Mi, HI
Saccharum spontaneum L. (nat) O, Mo
Sacciolepis indica (L.) Chase (nat) K, O, Mo, M, H
Schizachyrium condensatum (Kunth) Nees (nat) H
Schizostachyum glaucifolium (Rupr.) Munro (pol?) K, O, Mo, M, H
Setaria gracilis Kunth (nat) K, O, Mo, L, M, H
Setaria palmifolia (J. König) Stapf (nat) O, L, M, H
Setaria verticillata (L.) P. Beauv. (nat) Ku, Mi, PH, FF, N, HI
Sorghum bicolor (L.) Moench (nat) K, O, H
Sorghum halpense (L.) Pers. (nat) K, O, L, M, H
Sporobolus africanus (Poir.) Robyns & Tournay (nat) K, O, Mo, L, M, H
Sporobolus diander (Retz.) P. Beauv. (nat) O, L, H
Sporobolus indicus (L.) R. Br. (nat) Mi, K, O, L, M, H
Sporobolus virginicus (L.) Kunth (ind) Mi, La, HI
Stenotaphrum secundatum (Walter) Kuntze (nat) Mi, K, O, Mo, L, H
Stipa cernua Stebb. & A. Löve (nat) H (Pōhakuloa)
Themeda villosa (Poir.) A. Camus (nat) K, O, H
Tragus berteronianus Schult. (nat) Mo, M, Ka
Trisetum glomeratum (Kunth) Trin. (end) L, M, H
Trisetum inaequale Whitney (end) L, M
Vulpia bromoides (L.) S.F. Gray (nat) K, O, Mo, L, M, H
Vulpia myuros (L.) C.C. Gmelin (nat) Mi, K, O, Mo, L, M, H

POLEMONIACEAE

- Gilia capitata* Sims (nat) EM (Haleakalā)

POLYGALACEAE

- Polygala paniculata* L. (nat) O, EM, H

POLYGONACEAE

- Antigonon leptopus* Hook. & Arnott (nat) K, O, L, M, H
Emex spinosa (L.) Campd. (nat) O, Mo, M, H
Polygonum argyrocoleon Steud. ex Kunze (nat) EM ("Ulupalakua, single collection; not known if species persists)
Polygonum aviculare L. (nat) M, H

- Polygonum capitatum* F. Ham. (nat) H
Polygonum chinense L. (nat) windward H
Polygonum convolvulus L. (nat) EM (Haleakalā NP, single collection; not known if species persists)
Polygonum glabrum Willd. (nat?) K, O, Mo, M, H
Polygonum punctatum Elliot (nat) H
Rumex acetosella L. (nat) K, M, H
Rumex albescens Hillebr. (end) N, K, O (Wa)
Rumex brownei Campd. (nat) EM ('Ulupalakua Ranch), H (North Kona Dist)
Rumex crispus L. (nat) K, O, L, M, H
Rumex giganteus W.T. Aiton (end) Mo, M, H
Rumex obtusifolius L. subsp. *obtusifolius* (nat) K (Kōke'e), O, H (Kona)
Rumex scottsbergii Degener & I. Degener (end) H (North and South Kona, Puna, and south Ka'ū districts)

PONTEDERIACEAE

- Eichhornia crassipes* (Mart.) Solms (nat) K, O, M, H
Monochoria vaginalis (N.L. Burm.) K. Presl (nat) K, O

PORTULACACEAE

- Portulaca lutea* Sol. ex G. Forster (ind) Mi, Li, La, GP, FF, Ne, N, O, Mo, L, M, H
Portulaca molokiniensis Hobdy (end, R) MI, Ka (Kamōhio Bay; Pu'ukoa'e Islet)
Portulaca oleracea L. (nat) Mi, PH, La, FF, N, Ni, K, O, Mo, L, M, H
Portulaca pilosa L. (nat) Ni, K, O, Mo, M, H
Portulaca sclerocarpa A. Gray (end, V) L, H (Po'opo'o Islet)
Portulaca villosa Cham. (end, V) N, Kl, O, Mo, L, M, Ka, H
Portulaca sp. A (nat) EM ('Ulupalakua Ranch)
Talinum paniculatum (Jacq.) Gaertn. (nat) K, O, H
Talinum triangulare (Jacq.) Willd. (nat) H (Keauhou, North Kona Dist)

POTAMOGETONACEAE

- Potamogeton foliosus* Raf. (ind?) K, O, M, H
Potamogeton nodosus Poir. (ind?) O, M
Potamogeton pectinatus L. (nat) Ni, K

PRIMULACEAE

- Anagallis arvensis* L. (nat) Mi, K, O, Mo, L, M, Ka, H
Lysimachia daphnoides (A. Gray) Hillebr. (end, R) K (Alaka'i Swamp; Wahiwawa Bog)
Lysimachia filifolia C. Forbes (end, E) K (Olokele Val; Wailua Riv, southeast side of Mt Wai'ale'ale),
 O (Ko: Waiāhole Ditch Trail)
Lysimachia forbesii Rock (end, EX) O (Ko: Castle Trail)
Lysimachia glutinosa Rock (end) K (Kōke'e)
Lysimachia hillebrandii J.D. Hook. ex A. Gray (end) K (Hā'upu to Limahuli), O, east Mo, L, M
Lysimachia kalalauensis Skottsb. (end, R) K (Kōke'e, from Kalalau to Mākaha valleys; Hanapēpē Val)
Lysimachia lydgatei Hillebr. (end, E) WM (Lihau; Lahaina)
Lysimachia mauritiana Lam. (ind) Ni, K (Hanakāpī'ai; Princeville), Mo (Kaholaiki Bay; Kalawao, Waikolu, and Wailau valleys), WM (Makamaka'ole), EM (Hanawī), northwest H (Hilo; Honopue; Niuli'i)
Lysimachia maxima (R. Knuth) St. John (end, R) east Mo (Pelekunu Trail)
Lysimachia remyi Hillebr. (end) Mo, M
Lysimachia venosa (Wawra) St. John (end, R) K (Mt Wai'ale'ale)

PROTEACEAE

- Grevillea banksii* R. Br. (nat) Ni, K, O, Mo, M, H
Grevillea robusta A. Cunn. ex R. Br. (nat) K, O, M, H; probably also naturalized on Ni, Mo, and L

RANUNCULACEAE

- Anemone hupehensis* Lemoine var. *japonica* (Thunb.) Bowles & W. Stern (nat) H (Hawai'i Volcanoes NP)
Ranunculus hawaiiensis A. Gray (end, E) EM, H
Ranunculus mauianus A. Gray (end, R) K, O (Wa: Mt Ka'ala), Mo, M, H
Ranunculus muricatus L. (nat) H (Hawai'i Volcanoes NP; South Kona Dist)
Ranunculus parviflorus L. (nat) H
Ranunculus plebeius R. Br. ex DC (nat) H
Ranunculus repens L. (nat) H

RHAMNACEAE

- Alphitonia ponderosa* Hillebr. (end) K, O (r), Mo (r), L (r), M (r), H (r)
Colubrina asiatica (L.) Brongn. (ind) Ni, K, O, Mo
Colubrina oppositifolia Brongn. ex H. Mann (end, E) O (Wa), leeward H
Gouania hillebrandii Oliver (end, E*) Mo (Kamalō; Waiakiulani Gulch; ex), L (ex), WM (Pa'upa'u and Lihau Mountain, Lahaina Dist), Ka (ex)
Gouania meyenii Steud. (end, E) O (Wa: Mākaha-Wai'anae Kai; Lihū'e)
Gouania vitifolia A. Gray (end, EX?) O (Wa), WM (Lahaina), H (Ka'ū)
Rhamnus californica Eschsch. var. *californica* (nat) H (Mauna Kea State Park; Pōhakuoloa Training Area)

RHIZOPHORACEAE

- Bruguiera gymnorrhiza* (L.) Lam. (nat) O (He'eia)
Rhizophora mangle L. (nat) K, O, Mo, L, H

ROSACEAE

- Acaena exigua* A. Gray (end, E) K (Mt Wai'ale'ale), WM (Pu'ukukui)
Fragaria chiloensis (L.) Duchesne (ind)
 subsp. *sandwicensis* (Decne.) Staudt (end) EM, H
Fragaria vesca L. (nat) K (Kōke'e), H
Osteomeles anthyllidifolia (Sm.) Lindl. (ind) K, O, Mo, L, M, H
Pyracantha angustifolia (Franch.) C.K. Schneid. (nat) K (Kōke'e), H (Volcano transfer dump)
Rubus argutus Link (nat) K, O, M, H
Rubus ellipticus Sm. var. *obcordatus* Focke (nat) H (Volcano; Laupāhoehoe)
Rubus hawaiiensis A. Gray (end) K, Mo, M, H
Rubus macraei A. Gray (end, R?) EM, H
Rubus niveus Thunb. (nat) EM (Kula), H (Volcano transfer dump)
Rubus rosifolius Sm. (nat) K, O, Mo, L, M, H
Rubus sieboldii Blume (nat) K (Lāwa'i Val; Kīlauea)

RUBIACEAE

- Bobea brevipes* A. Gray (end) K, O
Bobea elatior Gaud. (end) K (Nāpali Coast southeast to Hā'upu Ridge), O (Ko), Mo, L, M, H (Kohala Mts)
Bobea sandwicensis (A. Gray) Hillebr. (end) O (Wa; south Ko: Wailupe Val), Mo, L, M
Bobea timonioides (J.D. Hook.) Hillebr. (end, R) K (Hā'upu Ridge; Nāwiliwili), O (Wa: Mākua; Ko: Waimano Ditch), EM (south slope, Haleakalā), H (Puna and South Kona districts)
Canthium odoratum (G. Forster) Seem. (ind) K, O, Mo, L, M, H

- Cinchona pubescens* Vahl (nat) EM (Ko'olau FR), H (South Kona Dist)
Coffea arabica L. (nat) K, O, Mo, L, M, Ka, H
Coprosma cymosa Hillebr. (end) leeward H
Coprosma elliptica W. Oliver (end) K (Alaka'i Swamp to Mt Wai'ale'ale; Kahōluamanu, single collection; Kōke'e, single collection)
Coprosma ernodeoides A. Gray (end) WM (Mt 'Eke?), EM, H
Coprosma foliosa A. Gray (end) K (r), O, Mo, L, M
Coprosma kauensis (A. Gray) A. Heller (end) K
Coprosma longifolia A. Gray (end) O
Coprosma menziesii A. Gray (end) H
Coprosma montana Hillebr. (end) EM, H
Coprosma ochracea W. Oliver (end) O (Wa: Mt Ka'ala), east Mo, L, M, H
Coprosma pubens A. Gray (end) Mo, L, M, H
Coprosma rhynchocharpa A. Gray (end) H
Coprosma ternata W. Oliver (end) east Mo
Coprosma waimeae Wawra (end) K
Galium divaricatum Pourr. ex Lam. (nat) EM (Waihou Spring, Olinda)
Gardenia brighamii H. Mann (end, E*) O (Wa: Pu'uku'ua; Nānākuli), Mo (Mauna Loa, Mahana Flats), L (Kānepu'u), WM (Olowalu), H (Pu'uwa'awa'a)
Gardenia manni St. John & Kuykendall (end) O
Gardenia remyi H. Mann (end, R) K, Mo, M, H (Hilo and Puna districts)
Hedyotis acuminata (Cham. & Schlechtend.) Steud. (end) K, O, Mo, L, M, H
Hedyotis callitrichoides (Griseb.) W. Lewis (nat) O (Honolulu International Airport; Kalihi; Mānoa; Kāne'ohe; Waipahu), M (Kahului)
Hedyotis centranthoides (Hook. & Arnott) Steud. (end) K, O, Mo, L, M, H
Hedyotis cookiana (Cham. & Schlechtend.) Steud. (end, E) K (Waiahuakua Val), H (Kealakekua)
Hedyotis coriacea Sm. (end, EX?) O (Wa; Nu'uanu; Pearl Harbor), M, leeward H (1859 Lava Flow)
Hedyotis corymbosa (L.) Lam. (nat) O (Honolulu), EM (Wai'ānapanapa State Park), H (Hilo to Volcano)
Hedyotis degeneri Fosb. (end, E)
 var. *coprosmifolia* Fosb. O (Wa: Kamaile'unu Ridge and Mokulē'ia, north and northwest slope, Mt Ka'ala)
 var. *degeneri* O (Wa: Ka'a'awa and Pu'uiki, north slope, Mt Ka'ala)
Hedyotis elatior (H. Mann) Fosb. (end, R?) K, O (Ko: upper Wahiawā), Mo, EM
Hedyotis fluviatilis (C. Forbes) Fosb. (end, R) K, O (Ko: Pūpūkea to Mānoa)
Hedyotis foggiana Fosb. (end) K (Mt Kāhili; Hanalei Val; Kōke'e)
Hedyotis foliosa (Hillebr.) Fosb. (end, EX) EM (southwest slope, Haleakalā)
Hedyotis formosa (Hillebr.) Fosb. (end, R) WM
Hedyotis fosbergii W.L. Wagner & Herbst (end) O (Ko: Castle Trail to Pālolo), L (Lāna'ihale)
Hedyotis hillebrandii (Fosb.) W.L. Wagner & Herbst (end) Mo, M, H
Hedyotis knudsenii (Hillebr.) Fosb. (end) K (Kōke'e)
Hedyotis littoralis (Hillebr.) Fosb. (end, V) K (Princeville), O (ex), Mo (Hālawa to Wailau valleys), EM (Ke'anae-Wailua; Hanawī; 'Ālau Island), H (Honopue Val)
Hedyotis manni Fosb. (end, E) Mo (Kawela Gulch; Mapulehu Val), L, WM
Hedyotis parvula (A. Gray) Fosb. (end, E) O (Wa: Pālehua to Makaleha)
Hedyotis st.-johnii Stone & Lane (end, E) K (Honopū, Miloli'i, Kalalau, and Nualolo valleys, Nāpali Coast)
Hedyotis schlechtendahlia Steud. (end)
 var. *remyi* (Hillebr.) Fosb. L
 var. *schlechtendahlia* K, O, Mo, M
Hedyotis terminalis (Hook. & Arnott) W.L. Wagner & Herbst (end) K, O, Mo, L, M, H
Hedyotis tryblium Herbst & W.L. Wagner (end, R) K (Mt Kāhili; Wahiawa Stream; rim of Kalalau Val)
Mitracarpus hirtus (L.) DC (nat) H (Hilo)

- Morinda citrifolia** L. (pol) Ni, K, O, Mo, L, M, H; probably HI
Morinda trimera Hillebr. (end) K (single sterile collection), O (Wa; Ko: Kīpapa Gulch), L, M
Nertera granadensis (L. fil.) Druce (ind) K, O (Wa), Mo, WM (Pu'ukukui), H
Paederia scandens (Lour.) Merr. (nat) K, O, H
Psychotria fauriei (H. Lévl.) Fosb. (end) O (Ko)
Psychotria grandiflora H. Mann (end) K (Kōke'e; Alaka'i Swamp)
Psychotria greenwelliae Fosb. (end) K (Kōke'e)
Psychotria hathewayi Fosb. (end)
 var. **brevipetiolata** Fosb. O (Wa)
 var. **hathewayi** O (Wa)
Psychotria hawaiiensis (A. Gray) Fosb. (end)
 var. **hawaiiensis** Mo, M, H
 var. **hillebrandii** (Rock) Fosb. Mo, M, H
 var. **scoriacea** (Rock) Fosb. M, H
Psychotria hexandra H. Mann (end)
 subsp. **hexandra**
 var. **hexandra** K
 var. **hirta** Wawra K
 var. **kealiae** Fosb. K
 subsp. **oahuensis** Degener & Fosb.
 var. **hosakana** Fosb. O (Ko)
 var. **oahuensis** O (Ko)
 var. **rockii** Fosb. O (Ko)
Psychotria hobbyi Sohmer (end, R) K (Miloli'i-Kopiwai)
Psychotria kaduana (Cham. & Schlechtend.) Fosb. (end) K, O, Mo, L, M
Psychotria mariniana (Cham. & Schlechtend.) Fosb. (end) K, O, Mo, L, M
Psychotria mauiensis Fosb. (end) K, Mo, L, M, H
Psychotria wawrae Sohmer (end) east K
Richardia brasiliensis Gomes (nat) K, O, L, EM, H
Sherardia arvensis L. (nat) EM, H
Spermacoce assurgens Ruiz & Pav. (nat) K, O, M, H
Spermacoce mauritiana Gideon (nat) M, H

RUPPIACEAE

- Ruppia maritima** L. (ind) Ni, K, O, Mo, L, M, H

RUTACEAE

- Flindersia brayleyana** F.v. Muell. (nat) H (Waiākea FR)
Melicope adscendens (St. John & E. Hume) T. Hartley & B. Stone (end, EX) EM (Auwahi)
Melicope anisata (H. Mann) T. Hartley & B. Stone (end) K
Melicope balloui (Rock) T. Hartley & B. Stone (end, EX?) EM (between Olinda and 'Ukulele)
Melicope barbigerata A. Gray (end) K (Kōke'e)
Melicope christophersenii (St. John) T. Hartley & B. Stone (end, R) O (Wa: Pu'ukaua to Mt Ka'ala)
Melicope cinerea A. Gray (end) O (Wa; Ko: Mānoa and Pālolo valleys, single collections), M (single collection)
Melicope clusiifolia (A. Gray) T. Hartley & B. Stone (end) K, O, Mo, L, M, H
Melicope cruciata (A. Heller) T. Hartley & B. Stone (end, R) K (Kahōluamanu; Mt Wai'ale'ale)
Melicope dugeneri (B. Stone) T. Hartley & B. Stone (end, EX?) K (Kōke'e Stream)
Melicope elliptica A. Gray (end) O (Wa), WM (Ōlowalu)
Melicope feddei (H. Lévl.) T. Hartley & B. Stone (end) K
Melicope haleakalae (B. Stone) T. Hartley & B. Stone (end, R?) EM (Olinda Flume Trail; 'Ukulele)
Melicope haupuensis (St. John) T. Hartley & B. Stone (end, E) K (Hā'upu)
Melicope hawaiiensis (Wawra) T. Hartley & B. Stone (end) Mo, L, M, H

- Melicope honoluluensis** (St. John) T. Hartley & B. Stone (end) O (Ko: Wiliwilinui to Pūpūkea)
- Melicope kaalaensis** (St. John) T. Hartley & B. Stone (end) O (Wa: Pu'ukua to Piko Trail)
- Melicope kavaiensis** (H. Mann) T. Hartley & B. Stone (end) K (Alaka'i Swamp to Mt Wai'ale'ale)
- Melicope knudsenii** (Hillebr.) T. Hartley & B. Stone (end, E) K (Olokele Val and Waimea, single collections), EM (Auwahi)
- Melicope lydgatei** (Hillebr.) T. Hartley & B. Stone (end, EX?) O (Ko: Hau'ula-Kahana; Mānana-Waimano; Pālolo-Waiupe)
- Melicope macropus** (Hillebr.) T. Hartley & B. Stone (end, R) K (Robinson's summer house; Kahōluamanu)
- Melicope makahae** (B. Stone) T. Hartley & B. Stone (end) O (Wa: Pālāwai to Mākaha Val ridges)
- Melicope mauii** T. Hartley & B. Stone (end) Mo (Waikolu to Kaunuohua), WM (Honokōwai to Pu'ukukui), EM (Olinda to 'Ōpana Gulch)
- Melicope molokaiensis** (Hillebr.) T. Hartley & B. Stone (end) Mo (Hanalilolilo to Oloku'i), southeast WM (Manawainui to Pu'ukukui), northeast EM
- Melicope mucronulata** (St. John) T. Hartley & B. Stone (end, E) Mo (Kūpā'ia Gulch), EM (Pakilo, south slope, Haleakalā)
- Melicope munroi** (St. John) T. Hartley & B. Stone (end, R) L (Lāna'ihale)
- Melicope nealae** (B. Stone) T. Hartley & B. Stone (end, R) K (Kumuwela and Kāholuamanu, single collections)
- Melicope oahuensis** (H. Lév.) T. Hartley & B. Stone (end) O
- Melicope obovata** (St. John) T. Hartley & B. Stone (end, EX) M (or possibly L)
- Melicope orbicularis** (Hillebr.) T. Hartley & B. Stone (end) WM (Pōhākea north to Honokahua), EM (Makawao to Ko'olau Gap)
- Melicope ovalis** (St. John) T. Hartley & B. Stone (end, EX?) EM (above Hāna)
- Melicope ovata** (St. John & E. Hume) T. Hartley & B. Stone (end) northwest K
- Melicope pallida** (Hillebr.) T. Hartley & B. Stone (end, EX?) K (Hanapēpē and rim of Kalalau Val, single collections), O (south-central Wa: below Palikea; 'Ēkahanui Gulch)
- Melicope paniculata** (St. John) T. Hartley & B. Stone (end, R) K (upper Līhu'e Ditch Trail; Wahiawa Bog)
- Melicope peduncularis** (H. Lév.) T. Hartley & B. Stone (end) K (Kōke'e), O, east Mo (Ka'aloa Peak), M
- Melicope pseudoanisata** (Rock) T. Hartley & B. Stone (end) H
- Melicope puberula** (St. John) T. Hartley & B. Stone (end, R) K (Kalalau Lookout to Pu'uokila Lookout)
- Melicope quadrangularis** (St. John & E. Hume) T. Hartley & B. Stone (end, EX?) K (Wahiawa Bog)
- Melicope radiata** (St. John) T. Hartley & B. Stone (end) H (Kohala Mts to Puna Dist, southwest to Ocean View Estates)
- Melicope reflexa** (St. John) T. Hartley & B. Stone (end, EX?) east Mo
- Melicope rotundifolia** (A. Gray) T. Hartley & B. Stone (end) O (Ko: 'Ōpae'ula to Niu Val)
- Melicope saint-johnii** (E. Hume) T. Hartley & B. Stone (end) O
- Melicope sandwicensis** (Hook. & Arnott) T. Hartley & B. Stone (end) O (Wa; Ko: Kahana Iki to Waimalu)
- Melicope volcanica** (A. Gray) T. Hartley & B. Stone (end) L, EM, H
- Melicope waialealae** (Wawra) T. Hartley & B. Stone (end) K (Wahiawa Bog; Alaka'i Swamp to Mt Wai'ale'ale)
- Melicope wailauensis** (St. John) T. Hartley & B. Stone (end, EX?) Mo (Kukuinui Ridge, Wailau Val)
- Melicope wawraeana** (Rock) T. Hartley & B. Stone (end) K (Wahiawa Bog, single collection), O
- Melicope zahlbruckneri** (Rock) T. Hartley & B. Stone (end, R) H (Kīpukapuulu; Moa'ula and near Glenwood, single collections)
- Platydesma cornuta** Hillebr. (end)
var. **cornuta** O (Ko)
- var. **decurrens** B. Stone O (Wa)
- Platydesma remyi** (Sherff) Degener, I. Degener, Sherff & B. Stone (end, R) H (Hāmākua-Kohala)
- Platydesma rostrata** Hillebr. (end, R) K

- Platydesma spathulata** (A. Gray) B. Stone (end) K, O, M, H
Zanthoxylum dipetalum H. Mann (end)
 var. **dipetalum** K, O, Mo (Kamiloloa), H
 var. **tomentosum** Rock (R) H (Pu'uwa'awa'a)
Zanthoxylum hawaiiense Hillebr. (end, V) Mo, L, M, H
Zanthoxylum kauaense A. Gray (end) K, O, Mo, L, M, H
Zanthoxylum oahuense Hillebr. (end) O (Ko)

SANTALACEAE

- Exocarpos gaudichaudii** A. DC (end, R) Ni, O, Mo, L, M, Ka, H
Exocarpos luteolus C. Forbes (end, R) K
Exocarpos menziesii Stauffer (end) L (Kaiholena Gulch, single collection), leeward H (Kahuku Ranch and Mauna Loa Strip north to Hualālai and Pu'ukapele)
Santalum ellipticum Gaud. (end) La(ex), HI (K [r]; Ka [ex]; H [Kohala Mts; Pu'uwa'awa'a; Pu'upā-papa])
Santalum freycinetianum Gaud. (end)
 var. **freycinetianum** O, Mo
 var. **lanaiense** Rock (E*) L, M
 var. **pyrularium** (A. Gray) Stemmermann K
Santalum haleakalae Hillebr. (end) EM (Haleakalā)
Santalum paniculatum Hook. & Arnott (end)
 var. **paniculatum** H
 var. **pilgeri** (Rock) Stemmermann H

SAPINDACEAE

- Alectryon macrococcus** Radlk. (end, E)
 var. **auwahiensis** G. Linney EM
 var. **macrococcus** K, O (Wa; Ko: Kīpapa Gulch), Mo, WM (Honokōwai Ditch Trail)
Cardiospermum grandiflorum Sw. (nat) O (Ko: Mānoa Val; downtown Honolulu)
Cardiospermum halicacabum L. (nat?) Ni, K, O, Mo, M, H
Dodonaea viscosa Jacq. (ind) Ni, K, O, Mo, L, M, H
Sapindus oahuensis Hillebr. ex Radlk. (end) northwest K, O (Wa; Ko: Waimalu to Niu valleys)
Sapindus saponaria L. (ind) H (Hualālai; Mauna Loa; Kīlauea)

SAPOTACEAE

- Nesoluma polynesianum** (Hillebr.) Baill. (ind) K, O, Mo, L, M, H
Pouteria sandwicensis (A. Gray) Baehni & Degener (end) K, O, Mo, L, M, H

SCROPHULARIACEAE

- Antirrhinum orontium** L. (nat) O (Diamond Head), M (Pu'uokali)
Bacopa monnieri (L.) Wettst. (ind) Mi, Ni, K, O, Mo, L, M, H
Buchnera pusilla Kunth (nat) H (Puna Dist)
Castilleja arvensis Cham. & Schlechtend. (nat) K, M, H
Cymbalaria muralis Gaertn. (nat) EM (Olinda)
Dopatrium junceum (Roxb.) F. Ham. ex Benth. (nat) K (Hanalei and Hanapēpē valleys)
Linaria canadensis (L.) Dum. Cours. var. **texana** (Scheele) Pennell (nat) O, H
Lindernia antipoda (L.) Alston (nat) H (Waipi'o Val)
Lindernia crustacea (L.) F.v. Muell. (nat) O, H
Lophospermum erubescens D. Don (nat) O, H
Maurandya antirrhiniflora Humb. & Bonpl. ex Willd. subsp. **antirrhiniflora** (nat) O (single collection; not known if species persists)
Orthocarpus purpurascens Benth. (nat) H (Mauna Loa, single collection; not known if species persists)

- Parentucellia viscosa** (L.) Caruel (nat) H (Kahuku Ranch; Kūka'iau Ranch)
Torenia asiatica L. (nat) H (Hilo to Volcano)
Verbascum blattaria L. (nat) H (Humu'ula, single collection; not known if species persists)
Verbascum thapsus L. (nat) EM (Haleakalā NP), H (Hualālai)
Verbascum virgatum Stokes (nat) H (Hale Pōhaku Ranger Station; Ka'ū Dist)
Veronica arvensis L. (nat) Mo, M, H
Veronica peregrina L. subsp. **xalapensis** (Kunth) Pennell (nat) H (Hawai'i Volcanoes NP)
Veronica plebeia R. Br. (nat) M, H
Veronica serpyllifolia L. (nat) K, H

SMILACACEAE

- Smilax melastomifolia** Sm. (end) K, O, Mo, L, M, H

SOLANACEAE

- Brugmansia candida** Pers. (nat) K, O, M, H
Capsicum frutescens L. (nat) K, O, Mo, M; probably HI
Cestrum aurantiacum Lindl. (nat) O, M, H
Cestrum diurnum L. (nat) K, O, Mo
Cestrum nocturnum L. (nat) K (Hā'ena), O (Ko: Tantalus)
Datura metel L. (nat) O, Mo, M, H
Datura stramonium L. (nat) K, O, Mo, M, H
Lycium sandwicense A. Gray (ind) HI
Lycopersicon esculentum Mill. (nat) O, Ka, H; probably HI
Lycopersicon pimpinellifolium (Jusl.) Mill. (nat) HI
Nicandra physalodes (L.) Gaertn. (nat) K, O, Mo, M, H
Nicotiana glauca R.C. Graham (nat) O, L, M, Ka
Nicotiana tabacum L. (nat) La, HI
Nothoecstrum breviflorum A. Gray (end, R) H (Ka'ū Dist north to Waimea)
Nothoecstrum latifolium A. Gray (end) K, O, Mo, L, M
Nothoecstrum longifolium A. Gray (end) K, O, Mo, L, M, H
Nothoecstrum peltatum Skotts. (end, E) K (Kalalau Lookout; Kumuwela; Nu'alolo; Mākaha Val;
west side of Waimea drainage)
Physalis angulata L. (nat) K (Hanalei)
Physalis peruviana L. (nat) K, O, Mo, L, M, H
Solanum americanum Mill. (ind?) Ku, Mi, PH, Li, La, N, HI
Solanum aviculare G. Forster (nat) L
Solanum capsicoides All. (nat) K, O, Mo, L, H
Solanum elaeagnifolium Cav. (nat) O, Mo, M
Solanum incompletum Dunal (end, E) K, Mo, L, M, H
Solanum linnaeanum Hepper & P. Jaeger (nat) O, Mo, L, M, H
Solanum mauritianum Scop. (nat) O (Ko: Waiāhole-Waikāne; Ko'olauloa Regional Park)
Solanum nelsonii Dunal (end) Ku, Mi, PH, La, N, Ni, K, O, Mo (Mo'omomi to 'Īlio Pt), M, H
Solanum nigrescens Mart. & Galeotti (nat) H (between Mauna Loa and Mauna Kea)
Solanum pseudocapsicum L. (nat) O, Mo, M, H
Solanum robustum Wendl. (nat) EM (Kailua Gulch)
Solanum sandwicense Hook. & Arnott (end, E) K, O
Solanum seafortianum Andr. (nat) K, O, Mo, M
Solanum torvum Sw. (nat) O (Ko: Kāne'ohe; Pālolo Val), WM ('Īao Stream)
Solanum tuberosum L. (nat) EM (Haleakalā Crater; not known if species persists)
Solanum viride G. Forster ex Spreng., non R. Br. (pol?) K (Hā'upu)

STERCULIACEAE

- Melochia umbellata** (Houtt.) Stapf (nat) H (Hilo and Puna districts)
Waltheria indica L. (ind?) Mi, HI

TACCACEAE

Tacca leontopetaloides (L.) Kuntze (pol) K, O, Mo, M, H; probably HI

THEACEAE

Eurya sandwicensis A. Gray (end, R) K, O, Mo, M, H

THYMELAEACEAE

Wikstroemia bicornuta Hillebr. (end, R) L, WM (Mt 'Eke)

Wikstroemia forbesii Skotts. (end) east Mo

Wikstroemia furcata (Hillebr.) Rock (end) K

Wikstroemia hanalei Wawra (end, EX?) north K (Wai'oli, Moloa'a, and Ho'olulu valleys)

Wikstroemia monticola Skotts. (end) EM

Wikstroemia oahuensis (A. Gray) Rock (end)

var. **oahuensis** K, O, Mo, L, M

var. **palustris** (Hochr.) Peterson K

Wikstroemia phillyreifolia A. Gray (end) H

Wikstroemia pulcherrima Skotts. (end) H (South Kohala and north Kona districts)

Wikstroemia sandwicensis Meisn. (end) H

Wikstroemia skottsbergiana Sparre (end, R) K (Wahiawa Mts; Hanalei and Kauhao valleys)

Wikstroemia uva-ursi A. Gray (end)

var. **kauaiensis** Skotts. K

var. **uva-ursi** O, Mo, M

Wikstroemia villosa Hillebr. (end, R) WM (Wailuku Val)

TILIACEAE

Heliocarpus popayanensis Kunth (nat) K, O (Ko: Tantalus), H (Waiākea)

Triumfetta rhomboidea Jacq. (nat) O, Mo, H

Triumfetta semitriloba Jacq. (nat) K, O, M, H

TROPAEOLACEAE

Tropaeolum majus L. (nat) K, Mo, M, H

TURNERACEAE

Turnera ulmifolia L. (nat) K, Mo

TYPHACEAE

Typha domingensis Pers. (nat) O (Pearl Harbor)

Typha latifolia L. (nat) K (Wailua Riv), O (Salt Lake; Pearl Harbor), H

ULMACEAE

Trema orientalis (L.) Blume (nat) K, O, Mo, L, M, H

URTICACEAE

Boehmeria grandis (Hook. & Arnott) A. Heller (end) K, O, Mo, L, M, H

Hesperocnide sandwicensis (Wedd.) Wedd. (end, R) H (plateau between Hualālai, Mauna Loa, and Mauna Kea)

Neraudia angulata R. Cowan (end, R)

var. **angulata** O (Wa)

var. **dentata** Degener & R. Cowan O (Wa)

Neraudia kauaiensis (Hillebr.) R. Cowan (end) K

Neraudia melastomifolia Gaud. (end) K, O, Mo (Oloku'i, single collection), WM (Olowalu; 'Āao Val)

- Neraudia ovata* Gaud. (end, R) leeward H
Neraudia sericea Gaud. (end, R) Mo, L, M, Ka (ex)
Pilea microphylla (L.) Liebm. (nat) K, O, M, H; probably HI
Pilea peploides (Gaud.) Hook. & Arnott (ind) K, O, Mo, L, M, H
Pipturus albidus (Hook. & Arnott) A. Gray (end) K, O, Mo, L, M, H
Pipturus forbesii Kraj. (end) EM (Kaupō Gap east to Ko'olau Gap)
Pipturus kauaiensis A. Heller (end) K
Pipturus ruber A. Heller (end) K
Touchardia latifolia Gaud. (end) K, O, Mo, L, M, H
Urera glabra (Hook. & Arnott) Wedd. (end) K, O, Mo, L, M, H
Urera kaalae Wawra (end, E) O (Wa: Nāpepeiauolelo Gulch; 'Ēkahanui near Pu'ukaua; Kalua'a near Pu'uhāpapa)
Urtica urens L. (nat) H

VALERIANACEAE

- Centranthus ruber* (L.) DC subsp. *ruber* (nat) EM (Pōhaku o Ka Lā Gulch)

VERBENACEAE

- Citharexylum caudatum* L. (nat) O (Ko)
Clerodendrum philippinum Schauer (nat) K, O, Mo, L, M, H
Lantana camara L. (nat) Mi, HI
Lantana montevidensis (Spreng.) Briq. (nat) L (Lāna'i City)
Stachytarpheta dichotoma (Ruiz & Pav.) Vahl (nat) K, O, L, M, H
Stachytarpheta jamaicensis (L.) Vahl (nat) Mi, K, O, L, M, Ka, H
Stachytarpheta mutabilis (Jacq.) Vahl (nat) K (Hanalei Val; Powerline Trail)
Stachytarpheta urticifolia (Salisb.) Sims (nat) K, O, Mo, M, H
Verbena bonariensis L. (nat) Mo, L, EM (Makawao)
Verbena litoralis Kunth (nat) Mi, HI
Verbena rigida Spreng. (nat) H (Parker Ranch)
Vitex rotundifolia L. fil. (ind) Ni, K, O, Mo, L, M, H

VIOLACEAE

- Isodendron hosakae* St. John (end, E) H (Nohonaohae and Pu'upāpapa, South Kohala Dist)
Isodendron laurifolium A. Gray (end, V) K (Miloli'i to Ku'ia valleys; Kahōluamanu; Papa'alai; Hā'upu), O (Wa: Makaleha and upper Mākaha valleys; Ko: Wailupe and Mānoa valleys)
Isodendron longifolium A. Gray (end, R?) K (Hanapēpē; Wahiawa Mts; Hā'upu; Limahuli, Wainiha, and Hanakāpī'ai valleys), O (Wa: Palikea Gulch; Pu'upane)
Isodendron pyrifolium A. Gray (end, EX) Ni, O (Wa: Mt Ka'ala), Mo, L, M, H (Hualālai)
Viola chamissoniana Ging. (end)
 subsp. *chamissoniana* (R) O (Wa)
 subsp. *robusta* (Hillebr.) W.L. Wagner, Herbst & Sohmer Mo
 subsp. *tracheliifolia* (Ging.) W.L. Wagner, Herbst & Sohmer K, O, Mo, M
Viola helenae C. Forbes & Lydgate (end, E) K (Wahiawa Stream)
Viola kauaensis A. Gray (end)
 var. *kauaensis* K (Waineki to Mt Wai'ale'ale), O (Ko: Kaipapa'u)
 var. *wahiawaensis* C. Forbes K (Wahiawa Bog)
Viola lanaiensis W. Becker (end, V) L (Lāna'ihale)
Viola maviensis H. Mann (end) Mo (Pēpē'ōpae Bog), M, H (Kohala Mts)
Viola oahuensis C. Forbes (end) O (Ko: Kawailoa to Pālolo)
Viola wailenalena (Rock) Skottsb. (end) K (Alaka'i Swamp)

VISCACEAE

- Korthalsella complanata* (Tiegh.) Engl. (ind) K, O, Mo, L, M, H
Korthalsella cylindrica (Tiegh.) Engl. (end) O, Mo, L, M, H

- Korthalsella degeneri** Danser (end, R) O (Wa: Piko Trail; Mākua Val)
Korthalsella latissima (Tiegh.) Danser (end) K, O (Wa: Mt Ka'ala), H (Waiākea FR, Mauna Loa, single collection)
Korthalsella platycaula (Tiegh.) Engl. (ind) K, O, L (Kapua Gulch, single collection), EM (Waikamoi Trail, single collection)
Korthalsella remyana Tiegh. (end) K, O, Mo, L, M, H

VITACEAE

- Cissus nodosa** Blume (nat) K, O, H (Hilo)

XYRIDACEAE

- Xyris complanata** R. Br. (nat) K, H (Mountain View; Glenwood)
Xyris platylepis Chapm. (nat) H (Mountain View; Glenwood)

ZINGIBERACEAE

- Alpinia mutica** Roxb. (nat) O
Alpinia purpurata (Vieill.) K. Schum. (nat) K, Mo
Curcuma longa L. (pol) Mo, M, H
Etlingera cevuga (Seem.) R.M. Smith (nat) O (Ko: Pu'ulanihuli)
Hedychium coronarium J. König (nat) O, Mo, L, M, H
Hedychium flavescens N. Carey ex Roscoe (nat) K, O, Mo, L, M, H
Hedychium gardnerianum Ker-Gawl. (nat) K (Kōke'e), L (Kaiholena Val), EM (Waikamoi; Hāna-Kīpahulu), H
Zingiber zerumbet (L.) Sm. (pol) K, O, Mo, L, M

ZYGOPHYLLACEAE

- Tribulus cistoides** L. (ind) Ku, Mi, PH, Li, La, FF, N, HI
Tribulus terrestris L. (nat) K, O, M, H

ALPHABETICAL LISTING OF GENERA, WITH FAMILY DESIGNATIONS

- | | | |
|------------------------------------|--|--|
| <i>Abelmoschus</i> (Malvaceae) | <i>Alsinidendron</i> (Caryophyllaceae) | <i>Archontophoenix</i> (Arecaceae) |
| <i>Abrus</i> (Fabaceae) | <i>Alternanthera</i> (Amaranthaceae) | <i>Arctium</i> (Asteraceae) |
| <i>Abutilon</i> (Malvaceae) | <i>Alysicarpus</i> (Fabaceae) | <i>Ardisia</i> (Myrsinaceae) |
| <i>Acacia</i> (Fabaceae) | <i>Alyxia</i> (Apocynaceae) | <i>Arenaria</i> (Caryophyllaceae) |
| <i>Acaena</i> (Rosaceae) | <i>Amaranthus</i> (Amaranthaceae) | <i>Argemone</i> (Papaveraceae) |
| <i>Acanthospermum</i> (Asteraceae) | <i>Ambrosia</i> (Asteraceae) | <i>Argyroxiphium</i> (Asteraceae) |
| <i>Achillea</i> (Asteraceae) | <i>Ammannia</i> (Lythraceae) | <i>Aristea</i> (Iridaceae) |
| <i>Achyranthes</i> (Amaranthaceae) | <i>Amsinckia</i> (Boraginaceae) | <i>Aristolochia</i> (Aristolochiaceae) |
| <i>Adenostemma</i> (Asteraceae) | <i>Anagallis</i> (Primulaceae) | <i>Artemisia</i> (Asteraceae) |
| <i>Agave</i> (Agavaceae) | <i>Andropogon</i> (Poaceae) | <i>Arthrostemum</i> (Melastomataceae) |
| <i>Ageratina</i> (Asteraceae) | <i>Anemone</i> (Ranunculaceae) | <i>Arundina</i> (Orchidaceae) |
| <i>Ageratum</i> (Asteraceae) | <i>Anethum</i> (Apiaceae) | <i>Arundo</i> (Poaceae) |
| <i>Agrostis</i> (Poaceae) | <i>Anoectochilus</i> (Orchidaceae) | <i>Asclepias</i> (Asclepiadaceae) |
| <i>Aira</i> (Poaceae) | <i>Anredera</i> (Basellaceae) | <i>Astelia</i> (Liliaceae) |
| <i>Albizia</i> (Fabaceae) | <i>Anthemis</i> (Asteraceae) | <i>Aster</i> (Asteraceae) |
| <i>Alectryon</i> (Sapindaceae) | <i>Anthoxanthum</i> (Poaceae) | <i>Asystasia</i> (Acanthaceae) |
| <i>Aleurites</i> (Euphorbiaceae) | <i>Antidesma</i> (Euphorbiaceae) | <i>Atriplex</i> (Chenopodiaceae) |
| <i>Alocasia</i> (Araceae) | <i>Antigonon</i> (Polygonaceae) | <i>Avena</i> (Poaceae) |
| <i>Alphitonia</i> (Rhamnaceae) | <i>Antirrhinum</i> (Scrophulariaceae) | <i>Axonopus</i> (Poaceae) |
| <i>Alpinia</i> (Zingiberaceae) | | |

- Bacopa* (Scrophulariaceae) *Castilleja* (Scrophulariaceae) *Costus* (Costaceae)
Baltimora (Asteraceae) *Casuarina* (Casuarinaceae) *Cotula* (Asteraceae)
Barleria (Acanthaceae) *Catharanthus* (Apocynaceae) *Crassocephalum* (Asteraceae)
Bassia (Chenopodiaceae) *Cecropia* (Cecropiaceae) *Crassula* (Crassulaceae)
Batis (Bataceae) *Cenchrus* (Poaceae) *Crepis* (Asteraceae)
Begonia (Begoniaceae) *Centaurea* (Asteraceae) *Cressa* (Convolvulaceae)
Bellis (Asteraceae) *Centaurium* (Gentianaceae) *Crocsmia* (Iridaceae)
Bidens (Asteraceae) *Centella* (Apiaceae) *Crotalaria* (Fabaceae)
Bischofia (Euphorbiaceae) *Centranthus* (Valerianaceae) *Cryptocarya* (Lauraceae)
Bixa (Bixaceae) *Cerastium* (Caryophyllaceae) *Cryptotaenia* (Apiaceae)
Blechnum (Acanthaceae) *Ceratophyllum* (Ceratophyl-
lataceae) *Cereus* (Cactaceae) *Cucumis* (Cucurbitaceae)
Blumea (Asteraceae) *Cestrum* (Solanaceae) *Cuphea* (Lythraceae)
Boba (Rubiaceae) *Chamaecrista* (Fabaceae) *Curcuma* (Zingiberaceae)
Bocconia (Papaveraceae) *Chamaesyce* (Euphorbiaceae) *Cuscuta* (Cuscutaceae)
Boehmeria (Urticaceae) *Charpentiera* (Amaranthaceae) *Cyanea* (Campanulaceae)
Boerhavia (Nyctaginaceae) *Cheirodendron* (Araliaceae) *Cymbalaria* (Scrophulariaceae)
Bolboschoenus (Cyperaceae) *Chenopodium* (Chenopodiaceae) *Cymbopogon* (Poaceae)
Bonamia (Convolvulaceae) *Chloris* (Poaceae) *Cynodon* (Poaceae)
Bothriochloa (Poaceae) *Chrysanthemum* (Asteraceae) *Cynoglossum* (Boraginaceae)
Bothriospermum (Boraginaceae) *Chrysopogon* (Poaceae) *Cyperus* (Cyperaceae)
Brachiaria (Poaceae) *Ciclospermum* (Apiaceae) *Cyrtandra* (Gesneriaceae)
Brassica (Brassicaceae) *Cinchona* (Rubiaceae) *Cytisus* (Fabaceae)
Brighamia (Campanulaceae) *Cinnamomum* (Lauraceae) *Dactylis* (Poaceae)
Briza (Poaceae) *Cirsium* (Asteraceae) *Dactyloctenium* (Poaceae)
Bromus (Poaceae) *Cissus* (Vitaceae) *Danthonia* (Poaceae)
Broussaisia (Hydrangeaceae) *Citharexylum* (Verbenaceae) *Datura* (Solanaceae)
Broussonetia (Moraceae) *Cladium* (Cyperaceae) *Daucus* (Apiaceae)
Brugmansia (Solanaceae) *Claoxylon* (Euphorbiaceae) *Delissea* (Campanulaceae)
Bruguiera (Rhizophoraceae) *Cleome* (Capparaceae) *Delonix* (Fabaceae)
Buchnera (Scrophulariaceae) *Clermontia* (Campanulaceae) *Deschampsia* (Poaceae)
Buddleia (Buddlejaceae) *Clerodendrum* (Verbenaceae) *Descurainia* (Brassicaceae)
Bulbostylis (Cyperaceae) *Clidemia* (Melastomataceae) *Desmanthus* (Fabaceae)

Caesalpinia (Fabaceae) *Clitoria* (Fabaceae) *Desmodium* (Fabaceae)
Cajanus (Fabaceae) *Clusia* (Clusiaceae) *Dianella* (Liliaceae)
Calamagrostis (Poaceae) *Coccinia* (Cucurbitaceae) *Dianthus* (Caryophyllaceae)
Calathea (Marantaceae) *Coccoloba* (Menispermaceae) *Dichanthium* (Poaceae)
Callisia (Commelinaceae) *Cocos* (Arecaceae) *Dichanthium* (Poaceae)
Calophyllum (Clusiaceae) *Coffea* (Rubiaceae) *Dicliptera* (Acanthaceae)
Calyptocarpus (Asteraceae) *Coix* (Poaceae) *Digitaria* (Poaceae)
Canavalia (Fabaceae) *Colocasia* (Araceae) *Dioclea* (Fabaceae)
Canna (Cannaceae) *Colubrina* (Rhamnaceae) *Dioscorea* (Dioscoreaceae)
Cannabis (Cannabaceae) *Commelina* (Commelinaceae) *Diospyros* (Ebenaceae)
Canthium (Rubiaceae) *Conocarpus* (Combretaceae) *Dissochondrus* (Poaceae)
Capparis (Capparaceae) *Convolvulus* (Convolvulaceae) *Dissotis* (Melastomataceae)
Capsella (Brassicaceae) *Conyza* (Asteraceae) *Dodonaea* (Sapindaceae)
Capsicum (Solanaceae) *Coprosma* (Rubiaceae) *Dopatrium* (Scrophulariaceae)
Cardamine (Brassicaceae) *Cordia* (Boraginaceae) *Drosera* (Droseraceae)
Cardiospermum (Sapindaceae) *Cordyline* (Agavaceae) *Drymaria* (Caryophyllaceae)
Carduus (Asteraceae) *Coreopsis* (Asteraceae) *Dubautia* (Asteraceae)
Carex (Cyperaceae) *Coriandrum* (Apiaceae) *Echinochloa* (Poaceae)
Carica (Caricaceae) *Coronopus* (Brassicaceae) *Eclipta* (Asteraceae)
Cascabela (Apocynaceae) *Corynocarpus* (Corynocarpaceae) *Egeria* (Hydrocharitaceae)

- Ehrharta* (Poaceae)
Eichhornia (Pontederiaceae)
Elaeagnus (Elaeagnaceae)
Elaeocarpus (Elaeocarpaceae)
Eleocharis (Cyperaceae)
Elephantopus (Asteraceae)
Eleusine (Poaceae)
Embelia (Myrsinaceae)
Emex (Polygonaceae)
Emilia (Asteraceae)
Encelia (Asteraceae)
Entada (Fabaceae)
Epidendrum (Orchidaceae)
Epilobium (Onagraceae)
Epipremnum (Araceae)
Eragrostis (Poaceae)
Erechtites (Asteraceae)
Erigeron (Asteraceae)
Eriocaulon (Eriocaulaceae)
Eriochloa (Poaceae)
Erodium (Geraniaceae)
Erythrina (Fabaceae)
Eschscholzia (Papaveraceae)
Etilingera (Zingiberaceae)
Eucalyptus (Myrtaceae)
Eugenia (Myrtaceae)
Euphorbia (Euphorbiaceae)
Eurya (Theaceae)
Exocarpos (Santalaceae)
- Festuca* (Poaceae)
Ficus (Moraceae)
Filago (Asteraceae)
Fimbristylis (Cyperaceae)
Fitchia (Asteraceae)
Flaveria (Asteraceae)
Flindersia (Rutaceae)
Flueggea (Euphorbiaceae)
Foeniculum (Apiaceae)
Fragaria (Rosaceae)
Frankenia (Frankeniaceae)
Fraxinus (Oleaceae)
Freyinetia (Pandanaeae)
Fuchsia (Onagraceae)
Furcraea (Agavaceae)
- Gahnia* (Cyperaceae)
Gaillardia (Asteraceae)
Galinsoga (Asteraceae)
Galium (Rubiaceae)
Gardenia (Rubiaceae)
Garnotia (Poaceae)
Gastridium (Poaceae)
Geranium (Geraniaceae)
- Gilia* (Polemoniaceae)
Glycine (Fabaceae)
Gnaphalium (Asteraceae)
Gomphrena (Amaranthaceae)
Gonocarpus (Haloragaceae)
Gossypium (Malvaceae)
Gouania (Rhamnaceae)
Grevillea (Proteaceae)
Gunnera (Gunneraceae)
- Haematoxylum* (Fabaceae)
Halophila (Hydrocharitaceae)
Haplostachys (Lamiaceae)
Harrisia (Cactaceae)
Hedera (Araliaceae)
Hedychium (Zingiberaceae)
Hedyotis (Rubiaceae)
Helianthus (Asteraceae)
Helichrysum (Asteraceae)
Heliconia (Heliconiaceae)
Heliocarpus (Tiliaceae)
Heliotropium (Boraginaceae)
Hemigraphis (Acanthaceae)
Herissantia (Malvaceae)
Hesperocnide (Urticaceae)
Hesperomannia (Asteraceae)
Heterocentron (Melastomataceae)
Heteropogon (Poaceae)
Heterotheca (Asteraceae)
Hibiscadelphus (Malvaceae)
Hibiscus (Malvaceae)
Hillebrandia (Begoniaceae)
Hippeastrum (Liliaceae)
Hippobroma (Campanulaceae)
Holcus (Poaceae)
Hordeum (Poaceae)
Hunnemannia (Papaveraceae)
Hydrocotyle (Apiaceae)
Hylocereus (Cactaceae)
Hyparrhenia (Poaceae)
Hypericum (Clusiaceae)
Hypochoeris (Asteraceae)
Hyptis (Lamiaceae)
- Ilex* (Aquifoliaceae)
Impatiens (Balsaminaceae)
Indigofera (Fabaceae)
Ipomoea (Convolvulaceae)
Isachne (Poaceae)
Ischaemum (Poaceae)
Isodendron (Violaceae)
- Jacaranda* (Bignoniaceae)
Jacquemontia (Convolvulaceae)
- Jatropha* (Euphorbiaceae)
Joinvillea (Joinvilleaceae)
Juncus (Juncaceae)
Justicia (Acanthaceae)
- Kalanchoë* (Crassulaceae)
Koeleria (Poaceae)
Kokia (Malvaceae)
Korthalsella (Viscaceae)
Kyllinga (Cyperaceae)
- Lablab* (Fabaceae)
Labordia (Loganiaceae)
Lactuca (Asteraceae)
Lagenifera (Asteraceae)
Lamium (Lamiaceae)
Lantana (Verbenaceae)
Lapsana (Asteraceae)
Lathyrus (Fabaceae)
Lenna (Lemnaceae)
Leonotis (Lamiaceae)
Leonurus (Lamiaceae)
Lepechinia (Lamiaceae)
Lepidium (Brassicaceae)
Leptochloa (Poaceae)
Leptospermum (Myrtaceae)
Lepturus (Poaceae)
Lepedeza (Fabaceae)
Leucaena (Fabaceae)
Linaria (Scrophulariaceae)
Lindernia (Scrophulariaceae)
Linum (Linaceae)
Liparis (Orchidaceae)
Lipochaeta (Asteraceae)
Livistona (Arecaceae)
Lobelia (Campanulaceae)
Lobularia (Brassicaceae)
Lolium (Poaceae)
Lonicera (Caprifoliaceae)
Lophospermum
 (Scrophulariaceae)
Lophostemon (Myrtaceae)
Lotus (Fabaceae)
Ludwigia (Onagraceae)
Lupinus (Fabaceae)
Luzula (Juncaceae)
Lycium (Solanaceae)
Lycopersicon (Solanaceae)
Lysimachia (Primulaceae)
Lythrum (Lythraceae)
- Macaranga* (Euphorbiaceae)
Macfadyena (Bignoniaceae)

<i>Machaerina</i> (Cyperaceae)	<i>Nothoecstrum</i> (Solanaceae)	<i>Plectranthus</i> (Lamiaceae)
<i>Macropitium</i> (Fabaceae)	<i>Nototrichium</i> (Amaranthaceae)	<i>Pleomele</i> (Agavaceae)
<i>Madia</i> (Asteraceae)		<i>Pluchea</i> (Asteraceae)
<i>Malachra</i> (Malvaceae)	<i>Ochrosia</i> (Apocynaceae)	<i>Plumbago</i> (Plumbaginaceae)
<i>Mallotus</i> (Euphorbiaceae)	<i>Ocimum</i> (Lamiaceae)	<i>Poa</i> (Poaceae)
<i>Malva</i> (Malvaceae)	<i>Oenothera</i> (Onagraceae)	<i>Polycarpon</i> (Caryophyllaceae)
<i>Malvastrum</i> (Malvaceae)	<i>Olea</i> (Oleaceae)	<i>Polygala</i> (Polygalaceae)
<i>Malvaviscus</i> (Malvaceae)	<i>Oplismenus</i> (Poaceae)	<i>Polygonum</i> (Polygonaceae)
<i>Mangifera</i> (Anacardiaceae)	<i>Opuntia</i> (Cactaceae)	<i>Polyogon</i> (Poaceae)
<i>Manihot</i> (Euphorbiaceae)	<i>Oreobolus</i> (Cyperaceae)	<i>Portulaca</i> (Portulacaceae)
<i>Mariscus</i> (Cyperaceae)	<i>Orthocarpus</i> (Scrophulariaceae)	<i>Potamogeton</i>
<i>Marrubium</i> (Lamiaceae)	<i>Osteomeles</i> (Rosaceae)	(Potamogetonaceae)
<i>Maurandya</i> (Scrophulariaceae)	<i>Osteospermum</i> (Asteraceae)	<i>Pouteria</i> (Sapotaceae)
<i>Medicago</i> (Fabaceae)	<i>Oxalis</i> (Oxalidaceae)	<i>Pritchardia</i> (Arecaceae)
<i>Medinilla</i> (Melastomataceae)	<i>Oxyspora</i> (Melastomataceae)	<i>Prosopis</i> (Fabaceae)
<i>Melaleuca</i> (Myrtaceae)		<i>Prunella</i> (Lamiaceae)
<i>Melastoma</i> (Melastomataceae)	<i>Pachyrhizus</i> (Fabaceae)	<i>Psidium</i> (Myrtaceae)
<i>Melia</i> (Meliaceae)	<i>Paederia</i> (Rubiaceae)	<i>Psychotria</i> (Rubiaceae)
<i>Melicope</i> (Rutaceae)	<i>Palafoxia</i> (Asteraceae)	<i>Pteralyxia</i> (Apocynaceae)
<i>Melilotus</i> (Fabaceae)	<i>Pandanus</i> (Pandanaceae)	<i>Pterolepis</i> (Melastomataceae)
<i>Melinis</i> (Poaceae)	<i>Panicum</i> (Poaceae)	<i>Pueraria</i> (Fabaceae)
<i>Melochia</i> (Sterculiaceae)	<i>Paraserianthes</i> (Fabaceae)	<i>Pycnus</i> (Cyperaceae)
<i>Mentha</i> (Lamiaceae)	<i>Parentucellia</i> (Scrophulariaceae)	<i>Pyracantha</i> (Rosaceae)
<i>Merremia</i> (Convolvulaceae)	<i>Parkinsonia</i> (Fabaceae)	
<i>Metrosideros</i> (Myrtaceae)	<i>Parthenium</i> (Asteraceae)	<i>Ranunculus</i> (Ranunculaceae)
<i>Mimosa</i> (Fabaceae)	<i>Paspalum</i> (Poaceae)	<i>Raphanus</i> (Brassicaceae)
<i>Mirabilis</i> (Nyctaginaceae)	<i>Passiflora</i> (Passifloraceae)	<i>Rauwolfia</i> (Apocynaceae)
<i>Mitracarpus</i> (Rubiaceae)	<i>Pectis</i> (Asteraceae)	<i>Reichardia</i> (Asteraceae)
<i>Modiola</i> (Malvaceae)	<i>Pennisetum</i> (Poaceae)	<i>Remya</i> (Asteraceae)
<i>Mollugo</i> (Molluginaceae)	<i>Peperomia</i> (Piperaceae)	<i>Reynoldsia</i> (Araliaceae)
<i>Momordica</i> (Cucurbitaceae)	<i>Perrottetia</i> (Celastraceae)	<i>Rhamnus</i> (Rhamnaceae)
<i>Monochoria</i> (Pontederiaceae)	<i>Persea</i> (Lauraceae)	<i>Rhizophora</i> (Rhizophoraceae)
<i>Montanoa</i> (Asteraceae)	<i>Petasites</i> (Asteraceae)	<i>Rhodomyrtus</i> (Myrtaceae)
<i>Morinda</i> (Rubiaceae)	<i>Petrorhagia</i> (Caryophyllaceae)	<i>Rhus</i> (Anacardiaceae)
<i>Morus</i> (Moraceae)	<i>Petroselinum</i> (Apiaceae)	<i>Rhynchelytrum</i> (Poaceae)
<i>Mucuna</i> (Fabaceae)	<i>Peucedanum</i> (Apiaceae)	<i>Rhynchosia</i> (Fabaceae)
<i>Muhlenbergia</i> (Poaceae)	<i>Phaius</i> (Orchidaceae)	<i>Rhynchospora</i> (Cyperaceae)
<i>Munroidendron</i> (Araliaceae)	<i>Phormium</i> (Agavaceae)	<i>Richardia</i> (Rubiaceae)
<i>Murdannia</i> (Commelinaceae)	<i>Phyllanthus</i> (Euphorbiaceae)	<i>Ricinus</i> (Euphorbiaceae)
<i>Musa</i> (Musaceae)	<i>Phyllostachys</i> (Poaceae)	<i>Rivina</i> (Phytolaccaceae)
<i>Myoporum</i> (Myoporaceae)	<i>Phyllostegia</i> (Lamiaceae)	<i>Rollandia</i> (Campanulaceae)
<i>Myosotis</i> (Boraginaceae)	<i>Physalis</i> (Solanaceae)	<i>Rubus</i> (Rosaceae)
<i>Myrica</i> (Myricaceae)	<i>Phytolacca</i> (Phytolaccaceae)	<i>Ruellia</i> (Acanthaceae)
<i>Myriophyllum</i> (Haloragaceae)	<i>Picris</i> (Asteraceae)	<i>Rumex</i> (Polygonaceae)
<i>Myrsine</i> (Myrsinaceae)	<i>Pilea</i> (Urticaceae)	<i>Ruppia</i> (Ruppiaceae)
	<i>Piper</i> (Piperaceae)	
<i>Nama</i> (Hydrophyllaceae)	<i>Pipturus</i> (Urticaceae)	<i>Saccharum</i> (Poaceae)
<i>Nasturtium</i> (Brassicaceae)	<i>Pisonia</i> (Nyctaginaceae)	<i>Sacciolepis</i> (Poaceae)
<i>Neraudia</i> (Urticaceae)	<i>Pistia</i> (Araceae)	<i>Sagina</i> (Caryophyllaceae)
<i>Nertera</i> (Rubiaceae)	<i>Pithecellobium</i> (Fabaceae)	<i>Sagittaria</i> (Alismataceae)
<i>Nesoluma</i> (Sapotaceae)	<i>Pittosporum</i> (Pittosporaceae)	<i>Salicornia</i> (Chenopodiaceae)
<i>Nestegis</i> (Oleaceae)	<i>Plantago</i> (Plantaginaceae)	<i>Salsola</i> (Chenopodiaceae)
<i>Nicandra</i> (Solanaceae)	<i>Platanthera</i> (Orchidaceae)	<i>Salvia</i> (Lamiaceae)
<i>Nicotiana</i> (Solanaceae)	<i>Platydesma</i> (Rutaceae)	<i>Samanea</i> (Fabaceae)

<i>Sambucus</i> (Caprifoliaceae)	<i>Stapelia</i> (Asclepiadaceae)	<i>Trimezia</i> (Iridaceae)
<i>Sanicula</i> (Apiaceae)	<i>Stellaria</i> (Caryophyllaceae)	<i>Triodanis</i> (Campanulaceae)
<i>Santalum</i> (Santalaceae)	<i>Stenogyne</i> (Lamiaceae)	<i>Trisetum</i> (Poaceae)
<i>Sapindus</i> (Sapindaceae)	<i>Stenotaphrum</i> (Poaceae)	<i>Triumfetta</i> (Tiliaceae)
<i>Sauvagesia</i> (Ochnaceae)	<i>Stictocardia</i> (Convolvulaceae)	<i>Tropaeolum</i> (Tropaeolaceae)
<i>Scaevola</i> (Goodeniaceae)	<i>Stipa</i> (Poaceae)	<i>Turnera</i> (Turneraceae)
<i>Schefflera</i> (Araliaceae)	<i>Streblus</i> (Moraceae)	<i>Typha</i> (Typhaceae)
<i>Schiedea</i> (Caryophyllaceae)	<i>Strongylodon</i> (Fabaceae)	
<i>Schinus</i> (Anacardiaceae)	<i>Stylosanthes</i> (Fabaceae)	<i>Ulex</i> (Fabaceae)
<i>Schizachyrium</i> (Poaceae)	<i>Styphelia</i> (Epacridaceae)	<i>Uncinia</i> (Cyperaceae)
<i>Schizostachyum</i> (Poaceae)	<i>Synedrella</i> (Asteraceae)	<i>Urena</i> (Malvaceae)
<i>Schoenoplectus</i> (Cyperaceae)	<i>Syzygium</i> (Myrtaceae)	<i>Urera</i> (Urticaceae)
<i>Scleria</i> (Cyperaceae)		<i>Urtica</i> (Urticaceae)
<i>Sechium</i> (Cucurbitaceae)	<i>Tacca</i> (Taccaceae)	<i>Utricularia</i> (Lentibulariaceae)
<i>Senecio</i> (Asteraceae)	<i>Tagetes</i> (Asteraceae)	
<i>Senna</i> (Fabaceae)	<i>Talinum</i> (Portulacaceae)	<i>Vaccinium</i> (Ericaceae)
<i>Sesbania</i> (Fabaceae)	<i>Taraxacum</i> (Asteraceae)	<i>Verbascum</i> (Scrophulariaceae)
<i>Sesuvium</i> (Aizoaceae)	<i>Tecoma</i> (Bignoniaceae)	<i>Verbena</i> (Verbenaceae)
<i>Setaria</i> (Poaceae)	<i>Tephrosia</i> (Fabaceae)	<i>Verbesina</i> (Asteraceae)
<i>Sherardia</i> (Rubiaceae)	<i>Terminalia</i> (Combretaceae)	<i>Vernonia</i> (Asteraceae)
<i>Sicyos</i> (Cucurbitaceae)	<i>Tetragonia</i> (Aizoaceae)	<i>Veronica</i> (Scrophulariaceae)
<i>Sida</i> (Malvaceae)	<i>Tetramolopium</i> (Asteraceae)	<i>Vicia</i> (Fabaceae)
<i>Sidastrum</i> (Malvaceae)	<i>Tetraplasandra</i> (Araliaceae)	<i>Vigna</i> (Fabaceae)
<i>Sigesbeckia</i> (Asteraceae)	<i>Tetrazygia</i> (Melastomataceae)	<i>Viola</i> (Violaceae)
<i>Silene</i> (Caryophyllaceae)	<i>Themeda</i> (Poaceae)	<i>Vitex</i> (Verbenaceae)
<i>Sisymbrium</i> (Brassicaceae)	<i>Thespesia</i> (Malvaceae)	<i>Vulpia</i> (Poaceae)
<i>Sisyrinchium</i> (Iridaceae)	<i>Thunbergia</i> (Acanthaceae)	
<i>Smilax</i> (Smilacaceae)	<i>Tibouchina</i> (Melastomataceae)	<i>Wahlenbergia</i> (Campanulaceae)
<i>Solanum</i> (Solanaceae)	<i>Tithonia</i> (Asteraceae)	<i>Waltheria</i> (Sterculiaceae)
<i>Solidago</i> (Asteraceae)	<i>Toona</i> (Meliaceae)	<i>Watsonia</i> (Iridaceae)
<i>Sonchus</i> (Asteraceae)	<i>Torenia</i> (Scrophulariaceae)	<i>Wedelia</i> (Asteraceae)
<i>Sophora</i> (Fabaceae)	<i>Torilis</i> (Apiaceae)	<i>Wikstroemia</i> (Thymelaeaceae)
<i>Sorghum</i> (Poaceae)	<i>Torulium</i> (Cyperaceae)	<i>Wilkesia</i> (Asteraceae)
<i>Spartium</i> (Fabaceae)	<i>Touchardia</i> (Urticaceae)	
<i>Spathodea</i> (Bignoniaceae)	<i>Tournefortia</i> (Boraginaceae)	<i>Xanthium</i> (Asteraceae)
<i>Spathoglottis</i> (Orchidaceae)	<i>Tragopogon</i> (Asteraceae)	<i>Xylosma</i> (Flacourtiaceae)
<i>Spergula</i> (Caryophyllaceae)	<i>Tragus</i> (Poaceae)	<i>Xyris</i> (Xyridaceae)
<i>Spergularia</i> (Caryophyllaceae)	<i>Trema</i> (Ulmaceae)	
<i>Spermacoce</i> (Rubiaceae)	<i>Trematolobelia</i> (Campanulaceae)	<i>Youngia</i> (Asteraceae)
<i>Spermolepis</i> (Apiaceae)	<i>Trembleya</i> (Melastomataceae)	
<i>Spirodela</i> (Lemnaceae)	<i>Trianthema</i> (Aizoaceae)	<i>Zantedeschia</i> (Araceae)
<i>Sporobolus</i> (Poaceae)	<i>Tribulus</i> (Zygophyllaceae)	<i>Zanthoxylum</i> (Rutaceae)
<i>Stachys</i> (Lamiaceae)	<i>Tridax</i> (Asteraceae)	<i>Zingiber</i> (Zingiberaceae)
<i>Stachytarpheta</i> (Verbenaceae)	<i>Trifolium</i> (Fabaceae)	<i>Zinnia</i> (Asteraceae)

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