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Technical Report 159

**KALAUPAPA NATIONAL HISTORICAL PARK
VASCULAR PLANT INVENTORY,
VOUCHER COLLECTIONS, and ELECTRONIC HERBARIUM**

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INTRODUCTION

Kalaupapa National Historical Park (KALA) was established in 1980, dedicated to preserving the memories and lessons of the past (NPS 2008). From 1866 until 1969, people of Hawaii afflicted with Hansen's disease (leprosy) were placed in forced isolation on the Kalaupapa peninsula on the island of Molokai. Kalaupapa settlement is still home for several surviving Hansen's disease patients whose memories and experiences are cherished values. Kalaupapa now serves as a place for education and contemplation.

KALA includes spectacular geologic and biotic features including sea cliffs, a conic volcanic crater, lava tubes and caves, lush valleys and rain forests, off-shore islands, and coral reefs. These areas also provide habitat for endangered Hawaiian plants and animals. Collections of the flora of this region have been made periodically by various individuals or organizations. From these studies, it is known that there are many rare species present within the park boundaries. However, no comprehensive survey has been made that thoroughly investigated these lands.

In studying terrestrial ecosystems with the goals of inventory, threat abatement, stabilization of resources, monitoring, and the restoration of selected components, there is much to be documented and learned. This study represents one major component – the inventory and documentation of the terrestrial vascular plants within KALA. This effort supports and lays the foundation for other KALA Natural Resource Management goals such as reducing the impacts of invasive species, and stabilizing or restoring native species and ecosystems. Developing an understanding of plant occurrences and distributions assists in planning and implementation of weed control and threat abatement projects. Documenting native plant species and related plant associations provides some indication of appropriate suites of species for use in restoration projects. Concurrent with the efforts of this inventory KALA staff conducted a variety of other projects: mapping the terrestrial vegetation within KALA; inventory of most taxonomic groups of higher terrestrial plants and animals; the stabilization of rare, threatened, and endangered plant through propagation, and outplanting; in-depth analysis into the estimation of the total number of species, species richness, taxonomic distinctness, the classification of the flora into collocated groups; fencing and ungulate control programs in selected special ecological areas (SEA), and targeted weed control of selected species within those SEAs. As a direct result specifically of our plant inventory efforts, we have also published two other works that may be of interest to readers: *Kalaupapa National Historical Park, Vascular Plant Inventory, Kalawao, Molokai, Hawaii* (Hughes et. al. 2007) and *New Hawaiian plant records for the Island of Moloka'i*. (Wysong et al. 2007).

The purpose of this project was to inventory the flora of Kalaupapa National Historical Park; create a permanent and usable herbarium in the form of physical vouchers and high resolution digital photographs for current and future park service staff, residents, and visitors; and duplicate a set of physical collections for the Bishop Museum in Honolulu for long-term archiving. Placing vouchers at the Bishop Museum and posting them on the web was intended to serve the greater conservation community in the state of Hawaii

by greatly increasing the floristic inventory and distribution data for native, including some rare and endangered, as well as non-native plants on the island of Moloka'i. Additional vouchers of mostly rare plants were deposited in the herbarium at the National Tropical Botanical Garden by permitted researchers who assisted on this project.

METHODS

Collections within and outside of the park boundary were made between October 9, 2004 and March 4, 2006 in one of the 15 management units within KALA (Figure 1). We chose to reference our collections within the context of management units for a number of reasons. When posting vouchers on the internet, we intend to inform without providing the specific locations of individuals. Historical collections of rare, threatened, and endangered plant species were researched and photographed at the Bishop Museum. Some older collections were included in this inventory from the work of other park staff and contract botanists. In general, collections were made either as part of a team or independently. Due to the difficulty of terrain and limits on helicopter time due to budget constraints, a systematic collecting approach was not possible. Instead, collections were made opportunistically and reflect the amount of time spent in each area.

Habitat codes were frequently used during field collection to designate habitat types (see Table 1). Habitat codes were first developed by Jacobi (1989) and were subsequently adapted by Evangeline Funk (unpublished). The authors adapted these codes and applied them to the lowland, alien dominated vegetation found at KALA.

Plants were collected and immediately stored in a field press (including newspaper and large corrugates) and kept in a large Ziploc bag until return when further processing could take place. Collection information recorded for each specimen included collector's number and date, and other pertinent information including location, elevation, habitat, plant description, and any identifying characteristics. Field identification of collections was made when possible; unknown plants were determined in the lab using Wagner et al. (1999), and Palmer (2003) prior to pressing. Specimens not identified were brought to Bishop Museum for determination.

Specimens were then pressed following standard procedures and dried for several days in a custom made plant drier using up to 6 spotlights as a heat source. Specimens were then mounted on standard acid-free herbarium mounting paper using archival quality glue. Collection data was entered into the database and a standard label was printed up for the specimen (<http://www.hear.org/molokai/kalaupapa/herbarium/>). While duplicates of a collection were listed under the same collector number, every single voucher specimen received a unique catalogue number (beginning with KALA) to denote that it was part of this project. In addition, every single voucher specimen for this project was collected under the same accession number (KALA 00154) except for those specimens that went directly to the National Tropical Botanical Garden. The unique accession number identifies this project as one of the many archiving projects conducted at KALA. Finally, a photo of the complete specimen was taken and archived. Upon completion of the

project, these photos were sent to the webmaster of the Hawaiian Ecosystems At Risk (HEAR) website (see link above in this paragraph).

Upon completion, vouchers were stored temporarily at the Kalaupapa Natural Resources Management office in Bayview until originals could be sent to Bishop and duplicates could be kept for long-term storage at the Kalaupapa Museum facility (a.k.a. *Hale Malama*) in Kalaupapa.

RESULTS

In total, 625 collections (with many duplicates) were made over 83 separate days yielding 963 vouchers. Collections represent 20 families, 38 genera and 63 species of ferns, two families, genera and species of gymnosperms, 83 families, 214 genera and 312 species of dicots, and 17 families, 52 genera, and 77 species of monocots. Approximately 45% of the species collected represent native (endemic and indigenous) taxa. Of all the vouchers produced, 509 were sent to Bishop (BISH; Table 2), 447 stayed at Kalaupapa (KALA; Table 3) and 23 went to the herbarium at the National Tropical Botanical Garden on Kauai (PTBG; Table 4). We refer the reader to view these collections on the internet at this location: <http://www.hear.org/molokai/kalaupapa/herbarium/>.

We have excluded our electronic photos of all the historical (pre-1950) collections of rare, threatened, and endangered species from this paper and the electronic herbarium posted on the internet. If permitted researchers are interested, historical resources are available on file at KALA (Table 4). In addition, many of our observations and collections of rare, threatened, and endangered species have also been omitted for sensitivity to the resource, and again, permitted researchers may make inquiries of KALA staff.

DISCUSSION

Habitats were visited in an attempt to survey as much of the park as possible. However, due to the difficulty of the terrain, much of the park remains under-surveyed, especially the coastal cliff areas and steep gulches. As a result, this work reflects a larger proportion of collection on the peninsula and the Kalaupapa trail. Future efforts should be concentrated in inventorying the more remote areas of the park. KALA is currently working with the Pacific Islands Inventory and Monitoring Program to complete a vegetation map for the park. Further plant collection work may result from this effort, and the map itself may direct investigators to future areas of interest for plant collection and inventory. One product of the vegetation mapping effort will be in depth vegetation or habitat descriptions that were not within the scope of this project.

Prior to the completion of this project, 502 observed taxa were known from KALA records and previous inventories. Non-parametric estimators (ICE, Chao 2, Bootstrap) (Colwell 1997) were used to estimate the total number of vascular plant species occurring in natural areas in KALA indicating that at least 89% (502 observed of 564 mean estimated taxa) were identified within natural areas at KALA (Hughes et al. 2007). The

focus of this investigation in and around more developed areas in KALA expanded our knowledge of naturalized species to 581 plant taxa, 21 (2 endemic, 19 naturalized) new island records, 5 new naturalized records, and sightings of 34 rare plant taxa including five federally endangered species, two federally threatened species, one federal candidate, and 18 species of concern (Hughes et al. 2007, Wysong et. al 2007). This number represents 455 species collected on this project and 126 not yet collected but recognized within the park boundaries (Appendix 1)

It is important to note that several non-native species collected had what we perceive and hope to be very limited distributions. We made efforts to remove non-native populations of many of the species identified during the course of this work. Additional efforts should be made to revisit the sites of several of the new island records to further delineate the extent of the population and make determinations for extirpating nascent non-native plant populations. The three species that we took special note of were *Argemone mexicana*, *Cucumis dipsaceus*, and *Ehrharta stipoides*. There is a distinct possibility that these species were inadvertent, recent introductions that may be completely eradicated. KALA is having some success in managing the first two species that were found in scattered locations around the park in coastal areas. KALA is planning to survey the distributional extent of *Ehrharta stipoides* in Puu Alii NAR in the summer of 2008.

We collected 455 plant taxa, and given our other known observations, we estimate that at least 126 species remain uncollected from KALA (Appendix 1). Future work should concentrate on collecting these species. The information in this report is perhaps most valuable for it's information on occurrences and locations of noxious weeds and rare plants and we sincerely hope that it can be used to help guide management decisions in the future.

ACKNOWLEDGMENTS

We would like to thank Ken Wood and James Espaniola for their efforts and field expertise in conducting the greater field survey associated with this collection effort. William Garnett also provided valuable expertise and collections to the herbarium. The following field personnel provided assistance with collecting specimens and with field operations: Keahialaka Balaz, John English, Albert Agliam, Wayne Kaauwai, Emily Moss, and Jacqueline Kozak. Philip Thomas at the Hawaiian Ecosystems at Risk (HEAR) Program and the Pacific Basin Information Node (BIN) was instrumental in posting these collections on the web and Bryan Harry linked the postings to the Kalaupapa National Historical Park (KALA) nature and science web page. We greatly value the services of Clyde Imada, Derral Herbst, George Staples, Barbara Kennedy, and the rest of the Bishop Museum herbarium staff for access to the collections and their help in processing and identifying specimens.

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Figure 1: Site Map - Plant Collection Areas

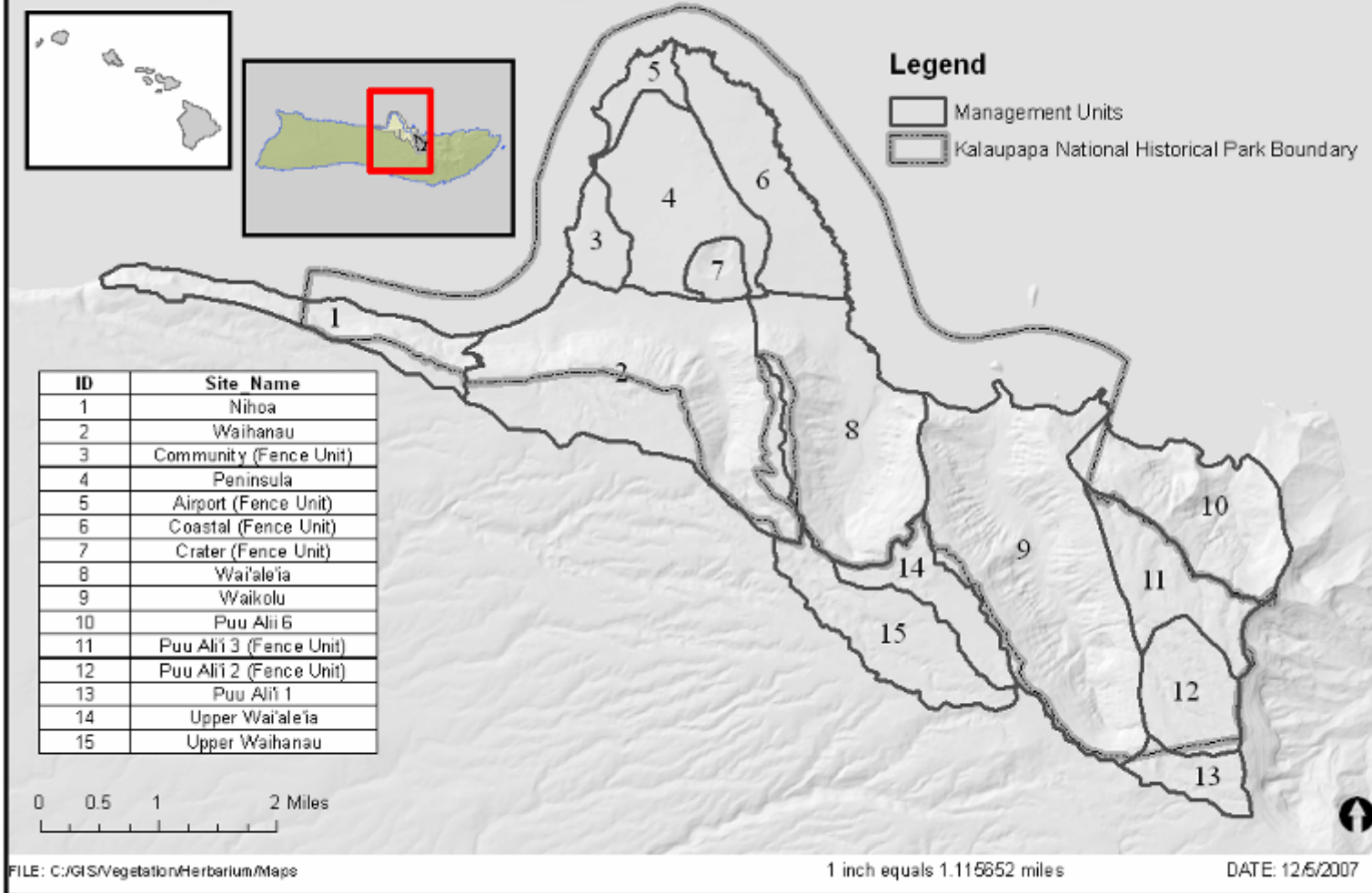


FIGURE 1: SITE MAP

TABLE 1: HABITAT CODES (adapted from Jacobi, 1989)

CODE	OVERSTORY	UNDERSTORY	DESCRIPTION
D:(ns) nt	Unknown	Unknown	Drv native shrub with scattered mixed native trees
D:(xg)		xg	Drv alien grassland
D:(xg)nt-xt	nt-xt	xg	Drv exotic grassland with scattered native and exotic trees
D:(xg.ns-xs)nt	Nt	xg.ns-xs	Drv exotic grassland with native+exotic shrubs and scat trees
D:(xs)St	Xt	xs	Drv xmas berry and iava plum forest
D:Ce	Xt		Drv ironwood forest
D:Ec-Pg-Ac.xt	Xt	xs.xg	Drv iava plum common guava Formosan koa other alien trees
D:Ec-St	Xt	xs.xg	Drv iava plum and xmas berry forest
D:Ex.xt	Xt	xs	Drv iava plum and other alien trees
D:Me(St.xg)	Me.xt	xs.xg	Drv ohia woodland with xmas berry and alien grasses
D:Me.nt(ns.mg)	Me.nt	ns.mg	Drv ohia forest mix native tree native shrub mixed grass under
D:Sf-Lc(ns.xs)			Drv ilima and lantana mixed native/ non-native shrub
D:St-La.xs		xs. xg	Drv xmas berry lantana and other alien shrubs
M:(ns)Me	Me	ns	Mes native shrub community with scattered ohia trees
M:(xg.ns)Me.nt	Me.nt	xg.ns	Mes exotic grass+native shrub community with scat native trees
M:(xs)Me.nt	Me.nt	xs	Mes exotic shrub scat native tree
M:Ec-Pg.xt	Xt	xs	Mesic mixed iava plum and guava other alien tree forest
M:Me.nt(ns.mf)	Me.nt	ns.mf	Mes ohia+native tree forest nat shrub matted fern under
M:Me.nt(ns-xg-xs)	Me.nt	ns-xg-xs	Mes ohia native tree forest native+exotic shrub exotic grass
M:nt.xt(xg.xs)	nt.xt	xg.xs	Mes native tree scat exotic tree.shrub.grass under
M:xt	Xt	xs	Mesic mixed alien tree forest xmas berry iava plum guava
M:xt.nt(ns-xg-xs)	xt.nt	ns-xg-xs	Mes exotic tree some native tree nat +exotic shrub grass under
NOT VEGETATED	NOT	NOT	Not vegetated
W:(bg.ns)		bg.ns	Wet open bog scat native shrubs
W:(mf/ns)Me-nt	Me-nt	mf/ns	Wet matted fern or native shrub scat ohia
W:Am(xg)	Xt	xg	wet kukui alien grass under
W:Am.Pg-Pc(xg)	Xt	xs.xg	Wet Kukui forest strawberry guava shrub and alien grass under
W:Am-Pg(xg)	Xt	xs.xg	Wet Kukui forest common guava shrub and alien grass under
W:Ec.Pg(xg)	Xt	xs.xg	wet iava plumforest com. guava alien tree and grass under
W:Me(xg)	Me	xg	wet ohia alien grass under
W:Me.nt(f)	Me.nt	mf.nf	wet ohia native trees and fern understory
W:Me.nt(ns/mf)	Me.nt	ns/mf	Wet ohia forest with tree fern and native shrub
W:Me.nt(ns-xg/xs)	Me.nt	ns-xg/xs	Wet ohia forest native shrub + tree exotic grass+shrub under
W:Me-Df.nt(mf)	Me.nt	ns.mf	Wet ohia other native tree and lama with matted fern under
W:PC	Xt	xs	Wet Strawberry guava
W:Pg(mxg.xf)	Xt	xg-xf	Wet common guava alien grass and fern under
W:xg		xg	wet alien grasses

**TABLE 2: VOUCHER SPECIMENS AND THEIR RECORDS DEPOSITED IN
THE B. P. BISHOP MUSEUM HERBARIUM**

Catalogue #	Superfamily	Family	Full Latin
KALA 13557	Bryophyte	Bryophyte	common moss
KALA 13856	Dicot	Acanthaceae	<i>Asystasia gangetica</i>
KALA 13809	Dicot	Acanthaceae	<i>Barleria cristata</i>
KALA 13691	Dicot	Acanthaceae	<i>Thunbergia fragrans</i>
KALA 13142	Dicot	Aizoaceae	<i>Sesuvium portulacastrum</i>
KALA 13508	Dicot	Aizoaceae	<i>Tetragonia tetragonioides</i>
KALA 13049	Dicot	Amaranthaceae	<i>Amaranthus spinosus</i>
KALA 13891	Dicot	Amaranthaceae	<i>Charpentiera obovata</i>
KALA 13892	Dicot	Amaranthaceae	<i>Charpentiera obovata</i>
KALA 13774	Dicot	Anacardiaceae	<i>Mangifera indica</i>
KALA 13102	Dicot	Anacardiaceae	<i>Schinus terebinthifolius</i>
KALA 13130	Dicot	Annonaceae	<i>Annona muricata</i>
KALA 13425	Dicot	Apiaceae	<i>Centella asiatica</i>
KALA 13525	Dicot	Apiaceae	<i>Ciclospermum leptophyllum</i>
KALA 13645	Dicot	Apiaceae	<i>Hydrocotyle verticillata</i>
KALA 13916	Dicot	Apiaceae	<i>Peucedanum sandwicense</i>
KALA 13654	Dicot	Apocynaceae	<i>Alyxia stellata</i>
KALA 13815	Dicot	Apocynaceae	<i>Asclepias curassavica</i>
KALA 13763	Dicot	Apocynaceae	<i>Calotropis gigantea</i>
KALA 13084	Dicot	Apocynaceae	<i>Catharanthus roseus</i>
KALA 13055	Dicot	Apocynaceae	<i>Nerium oleander</i>
KALA 13665	Dicot	Apocynaceae	<i>Ochrosia compta</i>
KALA 13354	Dicot	Apocynaceae	<i>Stapelia gigantea</i>
KALA 13816	Dicot	Apocynaceae	<i>Thevetia peruviana</i>
KALA 13213	Dicot	Aquifoliaceae	<i>Ilex anomala</i>
KALA 13216	Dicot	Araliaceae	<i>Cheirodendron trigynum</i> ssp. <i>trigynum</i>
KALA 13341	Dicot	Araliaceae	<i>Reynoldsia sandwicensis</i>
KALA 13772	Dicot	Araliaceae	<i>Schefflera actinophylla</i>
KALA 13675	Dicot	Araliaceae	<i>Tetraplasandra hawaiiensis</i>
KALA 13612	Dicot	Araliaceae	<i>Tetraplasandra oahuensis</i>
KALA 13558	Dicot	Asteraceae	<i>Ageratina adenophora</i>
KALA 13500	Dicot	Asteraceae	<i>Ageratina riparia</i>
KALA 13300	Dicot	Asteraceae	<i>Ageratum conyzoides</i>
KALA 13823	Dicot	Asteraceae	<i>Anthemis cotula</i>
KALA 13370	Dicot	Asteraceae	<i>Artemisia australis</i>
KALA 13401	Dicot	Asteraceae	<i>Bidens hillebrandiana</i> ssp. <i>polycephala</i>
KALA 13400	Dicot	Asteraceae	<i>Bidens molokaiensis</i>
KALA 13279	Dicot	Asteraceae	<i>Bidens pilosa</i>
KALA 13280	Dicot	Asteraceae	<i>Bidens pilosa</i>
KALA 13281	Dicot	Asteraceae	<i>Bidens pilosa</i>
KALA 13424	Dicot	Asteraceae	<i>Bidens</i> sp.
KALA 13804	Dicot	Asteraceae	<i>Calyptocarpus vialis</i>
KALA 13051	Dicot	Asteraceae	<i>Conyza bonariensis</i>
KALA 13792	Dicot	Asteraceae	<i>Conyza bonariensis</i>
KALA 13923	Dicot	Asteraceae	<i>Cotula australis</i>
KALA 13938	Dicot	Asteraceae	<i>Crassocephalum crepidioides</i>
KALA 13367	Dicot	Asteraceae	<i>Cyanthillium cinereum</i>
KALA 13013	Dicot	Asteraceae	<i>Dubautia laxa</i> ssp. <i>laxa</i>
KALA 13832	Dicot	Asteraceae	<i>Dubautia laxa</i> ssp. <i>laxa</i>
KALA 13742	Dicot	Asteraceae	<i>Dubautia plantaginea</i> ssp. <i>plantaginea</i>
KALA 13707	Dicot	Asteraceae	<i>Dubautia scabra</i> ssp. <i>leiophylla</i>

Table 2, continued

Catalogue #	Superfamily	Family	Full Latin
KALA 13169	Dicot	Asteraceae	<i>Eclipta prostrata</i>
KALA 13114	Dicot	Asteraceae	<i>Emilia fosbergii</i>
KALA 13294	Dicot	Asteraceae	<i>Emilia fosbergii</i>
KALA 13423	Dicot	Asteraceae	<i>Emilia fosbergii</i>
KALA 13620	Dicot	Asteraceae	<i>Erechtites valerianifolia</i>
KALA 13127	Dicot	Asteraceae	<i>Erigeron bellioides</i>
KALA 13789	Dicot	Asteraceae	<i>Erigeron karvinskianus</i>
KALA 13858	Dicot	Asteraceae	<i>Gaillardia pulchella</i>
KALA 13932	Dicot	Asteraceae	<i>Gamochaeta purpurea</i>
KALA 13510	Dicot	Asteraceae	<i>Hypochoeris radicata</i>
KALA 13507	Dicot	Asteraceae	<i>Lipochaeta rockii</i>
KALA 13399	Dicot	Asteraceae	<i>Lipochaeta succulenta</i>
KALA 13388	Dicot	Asteraceae	<i>Melanthera lavarum</i>
KALA 13389	Dicot	Asteraceae	<i>Melanthera lavarum</i>
KALA 13334	Dicot	Asteraceae	<i>Pluchea carolinensis</i>
KALA 13443	Dicot	Asteraceae	<i>Pluchea indica</i>
KALA 13450	Dicot	Asteraceae	<i>Pseudognaphalium sandwicense</i> var. <i>molokaiense</i>
KALA 13936	Dicot	Asteraceae	<i>Sigesbeckia orientalis</i>
KALA 13512	Dicot	Asteraceae	<i>Sonchus oleraceus</i>
KALA 13779	Dicot	Asteraceae	<i>Sphagneticola trilobata</i>
KALA 13385	Dicot	Asteraceae	<i>Synedrella nodiflora</i>
KALA 13282	Dicot	Asteraceae	<i>Taraxacum officinale</i>
KALA 13403	Dicot	Asteraceae	<i>Tetramolopium sylvae</i>
KALA 13088	Dicot	Asteraceae	<i>Tridax procumbens</i>
KALA 13053	Dicot	Asteraceae	<i>Verbesina encelioides</i>
KALA 13762	Dicot	Asteraceae	<i>Xanthium strumarium</i> var. <i>canadense</i>
KALA 13016	Dicot	Asteraceae	<i>Youngia japonica</i>
KALA 13769	Dicot	Basellaceae	<i>Anredera cordifolia</i>
KALA 13758	Dicot	Begoniaceae	<i>Hillebrandia sandwicensis</i>
KALA 13192	Dicot	Betulaceae	<i>Alnus nepalensis</i>
KALA 13773	Dicot	Bignoniaceae	<i>Spathodea campanulata</i>
KALA 13097	Dicot	Boraginaceae	<i>Heliotropium amplexicaule</i>
KALA 13153	Dicot	Boraginaceae	<i>Heliotropium anomalum</i> var. <i>argenteum</i>
KALA 13147	Dicot	Boraginaceae	<i>Heliotropium curassavicum</i>
KALA 13106	Dicot	Boraginaceae	<i>Tournefortia argentea</i>
KALA 13494	Dicot	Brassicaceae	<i>Coronopus didymus</i>
KALA 13461	Dicot	Brassicaceae	<i>Lepidium bidentatum</i> var. <i>o-waihiense</i>
KALA 13457	Dicot	Brassicaceae	<i>Lobularia maritima</i>
KALA 13380	Dicot	Brassicaceae	<i>Nasturtium microphyllum</i>
KALA 13915	Dicot	Campanulaceae	<i>Brighamia rockii</i>
KALA 13715	Dicot	Campanulaceae	<i>Clermontia kakeana</i>
KALA 13223	Dicot	Campanulaceae	<i>Clermontia pallida</i>
KALA 13884	Dicot	Campanulaceae	<i>Cyanea mannii</i>
KALA 13885	Dicot	Campanulaceae	<i>Cyanea mannii</i>
KALA 13750	Dicot	Campanulaceae	<i>Cyanea solenocalyx</i>
KALA 13878	Dicot	Campanulaceae	<i>Cyanea solenocalyx</i>
KALA 13205	Dicot	Campanulaceae	<i>Lobelia dunbariae</i> ssp. <i>paniculata</i>
KALA 13848	Dicot	Campanulaceae	<i>Trematolobelia macrostachys</i>
KALA 13670	Dicot	Campanulaceae	<i>Wahlenbergia gracilis</i>
KALA 13787	Dicot	Caricaceae	<i>Carica papaya</i>
KALA 13017	Dicot	Caryophyllaceae	<i>Arenaria serpyllifolia</i>
KALA 13935	Dicot	Caryophyllaceae	<i>Cerastium fontanum</i> ssp. <i>triviale</i>
KALA 13793	Dicot	Caryophyllaceae	<i>Dianthus armeria</i> ssp. <i>armeria</i>
KALA 13019	Dicot	Caryophyllaceae	<i>Drymaria cordata</i> var. <i>pacifica</i>

Table 2, continued

Catalogue #	Superfamily	Family	Full Latin
KALA 13459	Dicot	Caryophyllaceae	<i>Schiedea globosa</i>
KALA 13920	Dicot	Caryophyllaceae	<i>Schiedea globosa</i>
KALA 13046	Dicot	Casuarinaceae	<i>Casuarina equisetifolia</i>
KALA 13225	Dicot	Celastraceae	<i>Perrottetia sandwicensis</i>
KALA 13872	Dicot	Celastraceae	<i>Perrottetia sandwicensis</i>
KALA 13139	Dicot	Chenopodiaceae	<i>Atriplex semibaccata</i>
KALA 13760	Dicot	Clusiaceae	<i>Clusia rosea</i>
KALA 13643	Dicot	Clusiaceae	<i>Hypericum mutilum</i> ssp. <i>mutilum</i>
KALA 13794	Dicot	Combretaceae	<i>Terminalia catappa</i>
KALA 13398	Dicot	Convolvulaceae	<i>Ipomoea alba</i>
KALA 13685	Dicot	Convolvulaceae	<i>Ipomoea batatas</i>
KALA 13524	Dicot	Convolvulaceae	<i>Ipomoea indica</i>
KALA 13157	Dicot	Convolvulaceae	<i>Ipomoea pes-caprae</i> ssp. <i>brasiliensis</i>
KALA 13940	Dicot	Convolvulaceae	<i>Ipomoea violacea</i>
KALA 13451	Dicot	Convolvulaceae	<i>Jacquemontia ovalifolia</i> ssp. <i>sandwicensis</i>
KALA 13303	Dicot	Convolvulaceae	<i>Stictocardia tillifolia</i>
KALA 13761	Dicot	Convolvulaceae	<i>Stictocardia tillifolia</i>
KALA 13374	Dicot	Crassulaceae	<i>Kalanchoe pinnata</i>
KALA 13688	Dicot	Cucurbitaceae	<i>Cucumis dipsaceus</i>
KALA 13144	Dicot	Cucurbitaceae	<i>Momordica charantia</i>
KALA 13486	Dicot	Cuscutaceae	<i>Cuscuta sandwichiana</i>
KALA 13339	Dicot	Ebenaceae	<i>Diospyros sandwicensis</i>
KALA 13172	Dicot	Epacridaceae	<i>Leptecophylla tameiameia</i>
KALA 13590	Dicot	Ericaceae	<i>Vaccinium calycinum</i>
KALA 13178	Dicot	Ericaceae	<i>Vaccinium dentatum</i>
KALA 13722	Dicot	Ericaceae	<i>Vaccinium reticulatum</i>
KALA 13414	Dicot	Euphorbiaceae	<i>Aleurites moluccana</i>
KALA 13672	Dicot	Euphorbiaceae	<i>Antidesma platyphyllum</i> var. <i>platyphyllum</i>
KALA 13333	Dicot	Euphorbiaceae	<i>Chamaesyce celastroides</i> var. <i>amplectens</i>
KALA 13155	Dicot	Euphorbiaceae	<i>Chamaesyce degeneri</i>
KALA 13067	Dicot	Euphorbiaceae	<i>Chamaesyce hirta</i>
KALA 13764	Dicot	Euphorbiaceae	<i>Chamaesyce hyssopifolia</i>
KALA 13071	Dicot	Euphorbiaceae	<i>Chamaesyce prostrata</i>
KALA 13116	Dicot	Euphorbiaceae	<i>Phyllanthus debilis</i>
KALA 13796	Dicot	Euphorbiaceae	<i>Ricinus communis</i>
KALA 13466	Dicot	Fabaceae	<i>Acacia confusa</i>
KALA 13057	Dicot	Fabaceae	<i>Acacia farnesiana</i>
KALA 13343	Dicot	Fabaceae	<i>Caesalpinia bonduc</i>
KALA 13694	Dicot	Fabaceae	<i>Canavalia cathartica</i>
KALA 13808	Dicot	Fabaceae	<i>Canavalia cathartica</i>
KALA 13641	Dicot	Fabaceae	<i>Canavalia galeata</i>
KALA 13918	Dicot	Fabaceae	<i>Canavalia molokaiensis</i>
KALA 13069	Dicot	Fabaceae	<i>Chamaecrista nictitans</i> var. <i>glabrata</i>
KALA 13134	Dicot	Fabaceae	<i>Crotalaria pallida</i>
KALA 13094	Dicot	Fabaceae	<i>Desmanthus pernambucanus</i>
KALA 13346	Dicot	Fabaceae	<i>Desmodium incanum</i>
KALA 13475	Dicot	Fabaceae	<i>Desmodium triflorum</i>
KALA 13342	Dicot	Fabaceae	<i>Erythrina sandwicensis</i>
KALA 13348	Dicot	Fabaceae	<i>Indigofera suffruticosa</i>
KALA 13109	Dicot	Fabaceae	<i>Leucaena leucocephala</i>
KALA 13439	Dicot	Fabaceae	<i>Macroptilium lathyroides</i>
KALA 13470	Dicot	Fabaceae	<i>Medicago rugosa</i>
KALA 13092	Dicot	Fabaceae	<i>Mimosa pudica</i> var. <i>unijuga</i>

Table 2, continued

Catalogue #	Superfamily	Family	Full Latin
KALA 13800	Dicot	Fabaceae	<i>Mucuna gigantea</i> ssp. <i>gigantea</i>
KALA 13363	Dicot	Fabaceae	<i>Pithecellobium dulce</i>
KALA 13851	Dicot	Fabaceae	<i>Prosopis pallida</i>
KALA 13351	Dicot	Fabaceae	<i>Senna alata</i>
KALA 13522	Dicot	Fabaceae	<i>Senna gaudichaudii</i>
KALA 13818	Dicot	Fabaceae	<i>Senna occidentalis</i>
KALA 13047	Dicot	Fabaceae	<i>Senna pendula</i> var. <i>advena</i>
KALA 13413	Dicot	Fabaceae	<i>Senna siamea</i>
KALA 13777	Dicot	Fabaceae	<i>Tamarindus indica</i>
KALA 13381	Dicot	Fabaceae	<i>Vigna marina</i>
KALA 13904	Dicot	Fabaceae	<i>Vigna marina</i>
KALA 13673	Dicot	Flacourtiaceae	<i>Xylosma hawaiiense</i>
KALA 13022	Dicot	Gesneriaceae	<i>Cyrtandra biserrata</i>
KALA 13733	Dicot	Gesneriaceae	<i>Cyrtandra</i> cf. <i>procera</i> x <i>grayana</i>
KALA 13550	Dicot	Gesneriaceae	<i>Cyrtandra grayana</i>
KALA 13880	Dicot	Gesneriaceae	<i>Cyrtandra grayana</i>
KALA 13025	Dicot	Gesneriaceae	<i>Cyrtandra macrocalyx</i>
KALA 13021	Dicot	Gesneriaceae	<i>Cyrtandra procera</i>
KALA 13542	Dicot	Gesneriaceae	<i>Cyrtandra procera</i> x <i>grayana</i>
KALA 13568	Dicot	Gesneriaceae	<i>Cyrtandra procera</i> x <i>grayana</i>
KALA 13578	Dicot	Goodeniaceae	<i>Scaevola chamissoniana</i>
KALA 13910	Dicot	Goodeniaceae	<i>Scaevola coriacea</i>
KALA 13365	Dicot	Goodeniaceae	<i>Scaevola gaudichaudii</i>
KALA 13743	Dicot	Goodeniaceae	<i>Scaevola mollis</i>
KALA 13711	Dicot	Goodeniaceae	<i>Scaevola procera</i>
KALA 13137	Dicot	Goodeniaceae	<i>Scaevola taccada</i>
KALA 13624	Dicot	Hydrangeaceae	<i>Broussaisia arguta</i>
KALA 13276	Dicot	Lamiaceae	<i>Hyptis pectinata</i>
KALA 13492	Dicot	Lamiaceae	<i>Leonotis nepetifolia</i>
KALA 13689	Dicot	Lamiaceae	<i>Leonurus japonicus</i>
KALA 13289	Dicot	Lamiaceae	<i>Plectranthus parviflorus</i>
KALA 13531	Dicot	Lamiaceae	<i>Stenogyne kamehamehae</i>
KALA 13517	Dicot	Lauraceae	<i>Cassytha filiformis</i>
KALA 13734	Dicot	Loganiaceae	<i>Labordia waiolani</i>
KALA 13028	Dicot	Lythraceae	<i>Cuphea carthagenensis</i>
KALA 13395	Dicot	Lythraceae	<i>Lythrum maritimum</i>
KALA 13090	Dicot	Malvaceae	<i>Abutilon grandifolium</i>
KALA 13770	Dicot	Malvaceae	<i>Hibiscus rosa-sinensis</i>
KALA 13418	Dicot	Malvaceae	<i>Hibiscus tiliaceus</i>
KALA 13490	Dicot	Malvaceae	<i>Malva parviflora</i>
KALA 13781	Dicot	Malvaceae	<i>Malvastrum coromandelianum</i> ssp. <i>coromandelianum</i>
KALA 13145	Dicot	Malvaceae	<i>Sida fallax</i>
KALA 13791	Dicot	Malvaceae	<i>Sida rhombifolia</i>
KALA 13104	Dicot	Malvaceae	<i>Thespesia populnea</i>
KALA 13825	Dicot	Malvaceae	<i>Triumfetta semitriloba</i>
KALA 13530	Dicot	Melastomataceae	<i>Clidemia hirta</i> var. <i>hirta</i>
KALA 13686	Dicot	Melastomataceae	<i>Tibouchina herbacea</i>
KALA 13131	Dicot	Meliaceae	<i>Melia azedarach</i>
KALA 13894	Dicot	Menispermaceae	<i>Cocculus orbiculatus</i>
KALA 13854	Dicot	Moraceae	<i>Broussonetia luzonica</i>
KALA 13349	Dicot	Moraceae	<i>Ficus microcarpa</i>
KALA 13669	Dicot	Myoporaceae	<i>Myoporum sandwicense</i>
KALA 13029	Dicot	Myrsinaceae	<i>Embelia pacifica</i>

Table 2, continued

Catalogue #	Superfamily	Family	Full Latin
KALA 13661	Dicot	Myrsinaceae	<i>Myrsine lanaiensis</i>
KALA 13547	Dicot	Myrsinaceae	<i>Myrsine lessertiana</i>
KALA 13871	Dicot	Myrsinaceae	<i>Myrsine lessertiana</i>
KALA 13030	Dicot	Myrsinaceae	<i>Myrsine sandwicensis</i>
KALA 13369	Dicot	Myrtaceae	<i>Corymbia citriodora</i>
KALA 13174	Dicot	Myrtaceae	<i>Eucalyptus saligna</i>
KALA 13132	Dicot	Myrtaceae	<i>Eugenia uniflora</i>
KALA 13619	Dicot	Myrtaceae	<i>Metrosideros polymorpha</i> var. <i>glaberrima</i>
KALA 13618	Dicot	Myrtaceae	<i>Metrosideros polymorpha</i> var. <i>incana</i>
KALA 13729	Dicot	Myrtaceae	<i>Metrosideros polymorpha</i> var. <i>polymorpha</i>
KALA 13635	Dicot	Myrtaceae	<i>Metrosideros waialealae</i> var. <i>fauriei</i>
KALA 13788	Dicot	Myrtaceae	<i>Psidium cattleianum</i>
KALA 13527	Dicot	Myrtaceae	<i>Psidium guajava</i>
KALA 13296	Dicot	Myrtaceae	<i>Syzygium cumini</i>
KALA 13655	Dicot	Myrtaceae	<i>Syzygium malaccense</i>
KALA 13162	Dicot	Nyctaginaceae	<i>Boerhavia acutifolia</i>
KALA 13447	Dicot	Nyctaginaceae	<i>Boerhavia acutifolia</i>
KALA 13076	Dicot	Nyctaginaceae	<i>Boerhavia coccinea</i>
KALA 13446	Dicot	Nyctaginaceae	<i>Boerhavia repens</i>
KALA 13653	Dicot	Nyctaginaceae	<i>Pisonia umbellifera</i>
KALA 13650	Dicot	Oleaceae	<i>Nestegis sandwicensis</i>
KALA 13883	Dicot	Onagraceae	<i>Ludwigia octovalvis</i>
KALA 13065	Dicot	Oxalidaceae	<i>Oxalis corniculata</i>
KALA 13506	Dicot	Oxalidaceae	<i>Oxalis debilis</i>
KALA 13807	Dicot	Papaveraceae	<i>Argemone glauca</i> var. <i>glauca</i>
KALA 13361	Dicot	Papaveraceae	<i>Argemone mexicana</i>
KALA 13031	Dicot	Passifloraceae	<i>Passiflora edulis</i>
KALA 13703	Dicot	Passifloraceae	<i>Passiflora edulis</i>
KALA 13434	Dicot	Passifloraceae	<i>Passiflora subpeltata</i>
KALA 13033	Dicot	Phytolaccaceae	<i>Phytolacca octandra</i>
KALA 13873	Dicot	Piperaceae	<i>Peperomia</i> c.f. <i>latifolia</i>
KALA 13291	Dicot	Piperaceae	<i>Peperomia blanda</i> var. <i>floribunda</i>
KALA 13122	Dicot	Piperaceae	<i>Peperomia cookiana</i>
KALA 13247	Dicot	Piperaceae	<i>Peperomia cookiana</i>
KALA 13497	Dicot	Piperaceae	<i>Peperomia cookiana</i>
KALA 13833	Dicot	Piperaceae	<i>Peperomia cookiana</i>
KALA 13631	Dicot	Piperaceae	<i>Peperomia eekana</i>
KALA 13248	Dicot	Piperaceae	<i>Peperomia latifolia</i>
KALA 13596	Dicot	Piperaceae	<i>Peperomia macraeana</i>
KALA 13498	Dicot	Piperaceae	<i>Peperomia tetraphylla</i>
KALA 13649	Dicot	Pittosporaceae	<i>Pittosporum glabrum</i>
KALA 13908	Dicot	Pittosporaceae	<i>Pittosporum halophilum</i>
KALA 13784	Dicot	Plantaginaceae	<i>Plantago lanceolata</i>
KALA 13377	Dicot	Plantaginaceae	<i>Plantago major</i>
KALA 13731	Dicot	Plantaginaceae	<i>Plantago pachyphylla</i>
KALA 13644	Dicot	Plantaginaceae	<i>Veronica arvensis</i>
KALA 13814	Dicot	Plantaginaceae	<i>Veronica serpyllifolia</i>
KALA 13441	Dicot	Plumbaginaceae	<i>Plumbago zeylanica</i>
KALA 13098	Dicot	Polygonaceae	<i>Antigonon leptopus</i>
KALA 13113	Dicot	Polygonaceae	<i>Coccoloba uvifera</i>
KALA 13035	Dicot	Polygonaceae	<i>Persicaria punctata</i>
KALA 13795	Dicot	Portulacaceae	<i>Portulaca oleracea</i>
KALA 13078	Dicot	Portulacaceae	<i>Portulaca pilosa</i>

Table 2, continued

Catalogue #	Superfamily	Family	Full Latin
KALA 13464	Dicot	Portulacaceae	<i>Portulaca villosa</i>
KALA 13473	Dicot	Primulaceae	<i>Anagallis arvensis</i>
KALA 13474	Dicot	Primulaceae	<i>Anagallis arvensis</i>
KALA 13187	Dicot	Primulaceae	<i>Lysimachia hillebrandii</i>
KALA 13912	Dicot	Primulaceae	<i>Lysimachia mauritiana</i>
KALA 13778	Dicot	Proteaceae	<i>Grevillea robusta</i>
KALA 13860	Dicot	Proteaceae	<i>Macadamia tetraphylla</i>
KALA 13082	Dicot	Rhamnaceae	<i>Colubrina asiatica</i>
KALA 13900	Dicot	Rhizophoraceae	<i>Rhizophora mangle</i>
KALA 13902	Dicot	Rhizophoraceae	<i>Rhizophora mangle</i>
KALA 13518	Dicot	Rosaceae	<i>Osteomeles anthyllidifolia</i>
KALA 13540	Dicot	Rosaceae	<i>Rubus hawaiiensis</i>
KALA 13392	Dicot	Rosaceae	<i>Rubus rosifolius</i>
KALA 13867	Dicot	Rubiaceae	<i>Bobea elatior</i>
KALA 13696	Dicot	Rubiaceae	<i>Bobea sandwicensis</i>
KALA 13768	Dicot	Rubiaceae	<i>Coffea arabica</i>
KALA 13220	Dicot	Rubiaceae	<i>Coprosma foliosa</i>
KALA 13255	Dicot	Rubiaceae	<i>Coprosma granadensis</i>
KALA 13730	Dicot	Rubiaceae	<i>Coprosma montana</i>
KALA 13544	Dicot	Rubiaceae	<i>Coprosma ochracea</i>
KALA 13829	Dicot	Rubiaceae	<i>Coprosma ochracea</i>
KALA 13683	Dicot	Rubiaceae	<i>Hedyotis acuminata</i>
KALA 13876	Dicot	Rubiaceae	<i>Hedyotis acuminata</i>
KALA 13606	Dicot	Rubiaceae	<i>Hedyotis hillebrandii</i>
KALA 13536	Dicot	Rubiaceae	<i>Hedyotis terminalis</i>
KALA 13583	Dicot	Rubiaceae	<i>Hedyotis terminalis</i>
KALA 13100	Dicot	Rubiaceae	<i>Morinda citrifolia</i>
KALA 13633	Dicot	Rubiaceae	<i>Psychotria hawaiiensis</i> var. <i>hawaiiensis</i>
KALA 13648	Dicot	Rubiaceae	<i>Psychotria mariniana</i>
KALA 13591	Dicot	Rubiaceae	<i>Psychotria mauiensis</i>
KALA 13405	Dicot	Rubiaceae	<i>Psydrax odorata</i>
KALA 13786	Dicot	Rubiaceae	<i>Spermacoce assurgens</i>
KALA 13586	Dicot	Rutaceae	<i>Melicope clusiifolia</i>
KALA 13599	Dicot	Rutaceae	<i>Melicope clusiifolia</i>
KALA 13757	Dicot	Rutaceae	<i>Melicope molokaiensis</i>
KALA 13828	Dicot	Rutaceae	<i>Melicope molokaiensis</i>
KALA 13605	Dicot	Rutaceae	<i>Melicope peduncularis</i>
KALA 13668	Dicot	Rutaceae	<i>Melicope peduncularis</i>
KALA 13043	Dicot	Rutaceae	<i>Melicope sessilis</i>
KALA 13609	Dicot	Rutaceae	<i>Melicope sessilis</i>
KALA 13240	Dicot	Rutaceae	<i>Zanthoxylum kauaense</i>
KALA 13678	Dicot	Santalaceae	<i>Santalum ellipticum</i>
KALA 13865	Dicot	Sapindaceae	<i>Dodonaea viscosa</i>
KALA 13242	Dicot	Sapotaceae	<i>Pouteria sandwicensis</i>
KALA 13417	Dicot	Scrophulariaceae	<i>Bacopa monnieri</i>
KALA 13514	Dicot	Scrophulariaceae	<i>Buddleia asiatica</i>
KALA 13819	Dicot	Solanaceae	<i>Datura stramonium</i>
KALA 13149	Dicot	Solanaceae	<i>Lycium sandwicense</i>
KALA 13336	Dicot	Solanaceae	<i>Nicotiana tabacum</i>
KALA 13257	Dicot	Solanaceae	<i>Nothoecstrum longifolium</i>
KALA 13496	Dicot	Solanaceae	<i>Solanum americanum</i>
KALA 13505	Dicot	Solanaceae	<i>Solanum capsicoides</i>
KALA 13488	Dicot	Solanaceae	<i>Solanum lycopersicum</i> var. <i>cerasiforme</i>

Table 2, continued

Catalogue #	Superfamily	Family	Full Latin
KALA 13888	Dicot	Solanaceae	<i>Solanum pseudocapsicum</i>
KALA 13110	Dicot	Solanaceae	<i>Solanum seafortianum</i>
KALA 13080	Dicot	Sterculiaceae	<i>Waltheria indica</i>
KALA 13704	Dicot	Theaceae	<i>Eurya sandwicensis</i>
KALA 13579	Dicot	Thymelaeaceae	<i>Wikstroemia forbesii</i>
KALA 13318	Dicot	Thymelaeaceae	<i>Wikstroemia oahuensis</i> var. <i>oahuensis</i>
KALA 13712	Dicot	Thymelaeaceae	<i>Wikstroemia oahuensis</i> var. <i>oahuensis</i>
KALA 13151	Dicot	Thymelaeaceae	<i>Wikstroemia uva-ursi</i> var. <i>uva-ursi</i>
KALA 13453	Dicot	Thymelaeaceae	<i>Wikstroemia uva-ursi</i> var. <i>uva-ursi</i>
KALA 13086	Dicot	Turneraceae	<i>Turnera ulmifolia</i>
KALA 13647	Dicot	Urticaceae	<i>Boehmeria grandis</i>
KALA 13746	Dicot	Urticaceae	<i>Pilea peploides</i>
KALA 13226	Dicot	Urticaceae	<i>Pipturus albidus</i>
KALA 13881	Dicot	Urticaceae	<i>Touchardia latifolia</i>
KALA 13889	Dicot	Urticaceae	<i>Urera glabra</i>
KALA 13064	Dicot	Verbenaceae	<i>Lantana camara</i>
KALA 13265	Dicot	Verbenaceae	<i>Stachytarpheta cayennensis</i>
KALA 13456	Dicot	Verbenaceae	<i>Stachytarpheta jamaicensis</i>
KALA 13061	Dicot	Verbenaceae	<i>Vitex rotundifolia</i>
KALA 13821	Dicot	Verbenaceae	<i>Vitex trifolia</i>
KALA 13575	Dicot	Violaceae	<i>Viola chamissoniana</i> ssp. <i>robusta</i>
KALA 13726	Dicot	Violaceae	<i>Viola chamissoniana</i> ssp. <i>tracheliifolia</i>
KALA 13725	Dicot	Violaceae	<i>Viola maviensis</i>
KALA 13229	Dicot	Viscaceae	<i>Korthalsella complanata</i>
KALA 13813	Dicot	Viscaceae	<i>Korthalsella cylindrica</i>
KALA 13679	Dicot	Viscaceae	<i>Korthalsella remyana</i>
KALA 13181	Gymnosperm	Cupressaceae	<i>Cupressus macrocarpa</i>
KALA 13208	Gymnosperm	Pinaceae	<i>Pinus elliotii</i>
KALA 13797	Monocot	Agavaceae	<i>Aloe vera</i>
KALA 13323	Monocot	Agavaceae	<i>Furcraea foetida</i>
KALA 13906a	Monocot	Arecaceae	<i>Cocos nucifera</i>
KALA 13906b	Monocot	Arecaceae	<i>Cocos nucifera</i>
KALA 13863, 1 of 7	Monocot	Arecaceae	<i>Phoenix hybrid</i>
KALA 13863, 2 of 7	Monocot	Arecaceae	<i>Phoenix hybrid</i>
KALA 13863, 3 of 7	Monocot	Arecaceae	<i>Phoenix hybrid</i>
KALA 13863, 4 of 7	Monocot	Arecaceae	<i>Phoenix hybrid</i>
KALA 13863, 5 of 7	Monocot	Arecaceae	<i>Phoenix hybrid</i>
KALA 13863, 6 of 7	Monocot	Arecaceae	<i>Phoenix hybrid</i>
KALA 13863, 7 of 7	Monocot	Arecaceae	<i>Phoenix hybrid</i>
KALA 13382	Monocot	Cannaceae	<i>Canna indica</i>
KALA 13502	Monocot	Commelinaceae	<i>Commelina diffusa</i>
KALA 13481	Monocot	Cyperaceae	<i>Bolboschoenus maritimus</i>
KALA 13681	Monocot	Cyperaceae	<i>Carex meyenii</i>
KALA 13410	Monocot	Cyperaceae	<i>Carex wahuensis</i> ssp. <i>wahuensis</i>
KALA 13195	Monocot	Cyperaceae	<i>Cyperus fauriei</i>
KALA 13006	Monocot	Cyperaceae	<i>Cyperus gracilis</i>
KALA 13119	Monocot	Cyperaceae	<i>Cyperus javanicus</i>
KALA 13454	Monocot	Cyperaceae	<i>Cyperus javanicus</i>
KALA 13928	Monocot	Cyperaceae	<i>Cyperus javanicus</i>
KALA 13420	Monocot	Cyperaceae	<i>Cyperus phleoides</i> var. <i>phleoides</i>
KALA 13010	Monocot	Cyperaceae	<i>Cyperus polystachyos</i>
KALA 13190	Monocot	Cyperaceae	<i>Cyperus polystachyos</i>
KALA 13273	Monocot	Cyperaceae	<i>Cyperus polystachyos</i>

Table 2, continued

Catalogue #	Superfamily	Family	Full Latin
KALA 13799	Monocot	Cyperaceae	<i>Cyperus polystachyos</i>
KALA 13931	Monocot	Cyperaceae	<i>Cyperus rotundus</i>
KALA 13238	Monocot	Cyperaceae	<i>Cyperus sandwicensis</i>
KALA 13896	Monocot	Cyperaceae	<i>Cyperus spp</i>
KALA 13478	Monocot	Cyperaceae	<i>Eleocharis geniculata</i>
KALA 13160	Monocot	Cyperaceae	<i>Fimbristylis cymosa</i> ssp. <i>umbellato-capitata</i>
KALA 13274	Monocot	Cyperaceae	<i>Fimbristylis dichotoma</i>
KALA 13905	Monocot	Cyperaceae	<i>Fimbristylis dichotoma</i>
KALA 13391	Monocot	Cyperaceae	<i>Kyllinga brevifolia</i>
KALA 13616	Monocot	Cyperaceae	<i>Machaerina angustifolia</i>
KALA 13723	Monocot	Cyperaceae	<i>Oreobolus furcatus</i>
KALA 13701	Monocot	Cyperaceae	<i>Rhynchospora sclerioides</i>
KALA 13305	Monocot	Dioscoreaceae	<i>Dioscorea bulbifera</i>
KALA 13753	Monocot	Joinvilleaceae	<i>Joinvillea ascendens</i> ssp. <i>ascendens</i>
KALA 13623	Monocot	Juncaceae	<i>Juncus bufonius</i>
KALA 13625	Monocot	Juncaceae	<i>Juncus effusus</i>
KALA 13621	Monocot	Juncaceae	<i>Juncus planifolius</i>
KALA 13125	Monocot	Liliaceae	<i>Asparagus plumosus</i>
KALA 13218	Monocot	Liliaceae	<i>Astelia menziesiana</i>
KALA 13326	Monocot	Liliaceae	<i>Cordyline fruticosa</i>
KALA 13776	Monocot	Liliaceae	<i>Pancratium littorale</i>
KALA 13798	Monocot	Musaceae	<i>Musa xparadisiaca</i>
KALA 13185	Monocot	Orchidaceae	<i>Liparis hawaiiensis</i>
KALA 13183	Monocot	Orchidaceae	<i>Spathoglottis plicata</i>
KALA 13630	Monocot	Pandanaceae	<i>Freycinetia arborea</i>
KALA 13421	Monocot	Pandanaceae	<i>Pandanus tectorius</i>
KALA 13898	Monocot	Poaceae	<i>Andropogon virginicus</i>
KALA 13199	Monocot	Poaceae	<i>Anthoxanthum odoratum</i>
KALA 13236	Monocot	Poaceae	<i>Axonopus fissifolius</i>
KALA 13237	Monocot	Poaceae	<i>Axonopus fissifolius</i>
KALA 13258	Monocot	Poaceae	<i>Bothriochloa pertusa</i>
KALA 13477	Monocot	Poaceae	<i>Bothriochloa pertusa</i>
KALA 13785	Monocot	Poaceae	<i>Cenchrus echinatus</i>
KALA 13853	Monocot	Poaceae	<i>Chloris barbata</i>
KALA 13260	Monocot	Poaceae	<i>Chloris radiata</i>
KALA 13412	Monocot	Poaceae	<i>Chrysopogon aciculatus</i>
KALA 13384	Monocot	Poaceae	<i>Coix lacryma-jobi</i>
KALA 13167	Monocot	Poaceae	<i>Cynodon dactylon</i>
KALA 13196	Monocot	Poaceae	<i>Digitaria ciliaris</i>
KALA 13299	Monocot	Poaceae	<i>Digitaria ciliaris</i>
KALA 13428	Monocot	Poaceae	<i>Digitaria ciliaris</i>
KALA 13684	Monocot	Poaceae	<i>Digitaria ciliaris</i>
KALA 13165	Monocot	Poaceae	<i>Digitaria insularis</i>
KALA 13802	Monocot	Poaceae	<i>Ehrharta stipoides</i>
KALA 13262	Monocot	Poaceae	<i>Eleusine indica</i>
KALA 13074	Monocot	Poaceae	<i>Eragrostis amabilis</i>
KALA 13312	Monocot	Poaceae	<i>Melinis minutiflora</i>
KALA 13330	Monocot	Poaceae	<i>Melinis repens</i>
KALA 13320	Monocot	Poaceae	<i>Oplismenus hirtellus</i>
KALA 13697	Monocot	Poaceae	<i>Panicum fauriei</i> var. <i>fauriei</i>
KALA 13269	Monocot	Poaceae	<i>Panicum maximum</i>
KALA 13200	Monocot	Poaceae	<i>Paspalum conjugatum</i>
KALA 13811	Monocot	Poaceae	<i>Paspalum dilatatum</i>

Table 2, continued

Catalogue #	Superfamily	Family	Full Latin
KALA 13680	Monocot	Poaceae	<i>Paspalum scrobiculatum</i>
KALA 13934	Monocot	Poaceae	<i>Poa annua</i>
KALA 13197	Monocot	Poaceae	<i>Sacciolepis indica</i>
KALA 13629	Monocot	Poaceae	<i>Sacciolepis indica</i>
KALA 13657	Monocot	Poaceae	<i>Schizostachyum glaucifolium</i>
KALA 13231	Monocot	Poaceae	<i>Setaria parviflora</i>
KALA 13009	Monocot	Poaceae	<i>Sporobolus africanus</i>
KALA 13266	Monocot	Poaceae	<i>Sporobolus indicus</i>
KALA 13929	Monocot	Poaceae	<i>Sporobolus virginicus</i>
KALA 13783	Monocot	Poaceae	<i>Stenotaphrum secundatum</i>
KALA 13483	Monocot	Ruppiaceae	<i>Ruppia maritima</i>
KALA 13551	Monocot	Smilacaceae	<i>Smilax melastomifolia</i>
KALA 13394	Monocot	Zingiberaceae	<i>Hedychium coronarium</i>
KALA 13569	Pteridophyte	Aspleniaceae	<i>Asplenium acuminatum</i>
KALA 13203	Pteridophyte	Aspleniaceae	<i>Asplenium aethiopicum</i>
KALA 13666	Pteridophyte	Aspleniaceae	<i>Asplenium contiguum</i> var. <i>contiguum</i>
KALA 13664	Pteridophyte	Aspleniaceae	<i>Asplenium horridum</i> var. <i>horridum</i>
KALA 13011	Pteridophyte	Aspleniaceae	<i>Asplenium insiticium</i>
KALA 13541	Pteridophyte	Aspleniaceae	<i>Asplenium lobulatum</i>
KALA 13846	Pteridophyte	Aspleniaceae	<i>Asplenium lobulatum</i>
KALA 13325	Pteridophyte	Aspleniaceae	<i>Asplenium nidus</i>
KALA 13571	Pteridophyte	Aspleniaceae	<i>Asplenium polyodon</i>
KALA 13555	Pteridophyte	Athyriaceae	<i>Athyrium microphyllum</i>
KALA 13640	Pteridophyte	Athyriaceae	<i>Deparia petersenii</i>
KALA 13573a	Pteridophyte	Athyriaceae	<i>Diplazium sandwichianum</i>
KALA 13573b	Pteridophyte	Athyriaceae	<i>Diplazium sandwichianum</i>
KALA 13358	Pteridophyte	Blechnaceae	<i>Blechnum appendiculatum</i>
KALA 13233	Pteridophyte	Blechnaceae	<i>Doodia kunthiana</i>
KALA 13189	Pteridophyte	Blechnaceae	<i>Sadleria pallida</i>
KALA 13228	Pteridophyte	Blechnaceae	<i>Sadleria squarrosa</i>
KALA 13756a	Pteridophyte	Dennstaedtiaceae	<i>Microlepia strigosa</i> var. <i>strigosa</i>
KALA 13756b	Pteridophyte	Dennstaedtiaceae	<i>Microlepia strigosa</i> var. <i>strigosa</i>
KALA 13004	Pteridophyte	Dennstaedtiaceae	<i>Pteridium aquilinum</i> var. <i>decompositum</i>
KALA 13719	Pteridophyte	Dryopteridaceae	<i>Arachniodes insularis</i>
KALA 13714a	Pteridophyte	Dryopteridaceae	<i>Ctenitis latifrons</i>
KALA 13714b	Pteridophyte	Dryopteridaceae	<i>Ctenitis latifrons</i>
KALA 13378	Pteridophyte	Dryopteridaceae	<i>Cyrtomium falcatum</i>
KALA 13246	Pteridophyte	Dryopteridaceae	<i>Dryopteris sandwicensis</i>
KALA 13745	Pteridophyte	Dryopteridaceae	<i>Dryopteris unidentata</i> var. <i>unidentata</i>
KALA 13179	Pteridophyte	Gleicheniaceae	<i>Dicranopteris linearis</i>
KALA 13837	Pteridophyte	Grammitidaceae	<i>Adenophorus tamariscinus</i> var. <i>montanus</i>
KALA 13741	Pteridophyte	Grammitidaceae	<i>Adenophorus tamariscinus</i> var. <i>montanus</i>
KALA 13560	Pteridophyte	Grammitidaceae	<i>Adenophorus tamariscinus</i> var. <i>tamariscinus</i>
KALA 13737	Pteridophyte	Grammitidaceae	<i>Adenophorus tripinnatifidus</i>
KALA 13727	Pteridophyte	Grammitidaceae	<i>Grammitis hookeri</i>
KALA 13532	Pteridophyte	Grammitidaceae	<i>Grammitis tenella</i>
KALA 13739	Pteridophyte	Hymenophyllaceae	<i>Callistopteris baldwinii</i>
KALA 13429	Pteridophyte	Hymenophyllaceae	<i>Crepidomanes minutum</i>
KALA 13842	Pteridophyte	Hymenophyllaceae	<i>Hymenophyllum lanceolatum</i>
KALA 13580	Pteridophyte	Hymenophyllaceae	<i>Hymenophyllum obtusum</i>
KALA 13533	Pteridophyte	Hymenophyllaceae	<i>Hymenophyllum recurvum</i>
KALA 13607	Pteridophyte	Hymenophyllaceae	<i>Hymenophyllum recurvum</i>
KALA 13598	Pteridophyte	Hymenophyllaceae	<i>Vandenboschia davallioides</i>

Table 2, continued

Catalogue #	Superfamily	Family	Full Latin
KALA 13700	Pteridophyte	Hymenophyllaceae	<i>Vandenboschia davallioides</i>
KALA 13206	Pteridophyte	Lindsaeaceae	<i>Sphenomeris chinensis</i>
KALA 13026	Pteridophyte	Lomariopsidaceae	<i>Elaphoglossum crassifolium</i>
KALA 13553	Pteridophyte	Lomariopsidaceae	<i>Elaphoglossum fauriei</i>
KALA 13835	Pteridophyte	Lomariopsidaceae	<i>Elaphoglossum fauriei</i>
KALA 13564	Pteridophyte	Lomariopsidaceae	<i>Elaphoglossum paleaceum</i>
KALA 13840	Pteridophyte	Lomariopsidaceae	<i>Elaphoglossum paleaceum</i>
KALA 13736	Pteridophyte	Lomariopsidaceae	<i>Elaphoglossum wawrae</i>
KALA 13732	Pteridophyte	Lycopodiaceae	<i>Huperzia erosa</i>
KALA 13027	Pteridophyte	Lycopodiaceae	<i>Huperzia phyllantha</i>
KALA 13626	Pteridophyte	Lycopodiaceae	<i>Lycopodiella cernua</i>
KALA 13215	Pteridophyte	Lycopodiaceae	<i>Lycopodium venustulum</i> var. <i>venustulum</i>
KALA 13561	Pteridophyte	Marattiaceae	<i>Marattia douglasii</i>
KALA 13359	Pteridophyte	Nephrolepidaceae	<i>Nephrolepis cordifolia</i>
KALA 13646	Pteridophyte	Nephrolepidaceae	<i>Nephrolepis cordifolia</i>
KALA 13307	Pteridophyte	Nephrolepidaceae	<i>Nephrolepis multiflora</i>
KALA 13595	Pteridophyte	Polypodiaceae	<i>Lepisorus thunbergianus</i>
KALA 13843	Pteridophyte	Polypodiaceae	<i>Lepisorus thunbergianus</i>
KALA 13287	Pteridophyte	Polypodiaceae	<i>Phymatosorus grossus</i>
KALA 13566	Pteridophyte	Polypodiaceae	<i>Polypodium pellucidum</i> var. <i>pellucidum</i>
KALA 13706	Pteridophyte	Polypodiaceae	<i>Polypodium pellucidum</i> var. <i>pellucidum</i>
KALA 13614	Pteridophyte	Psilotaceae	<i>Psilotum complanatum</i>
KALA 13308	Pteridophyte	Psilotaceae	<i>Psilotum nudum</i>
KALA 13037	Pteridophyte	Pteridaceae	<i>Adiantum raddianum</i>
KALA 13826	Pteridophyte	Pteridaceae	<i>Adiantum raddianum</i>
KALA 13286	Pteridophyte	Pteridaceae	<i>Doryopteris decipiens</i>
KALA 13738	Pteridophyte	Schizaeaceae	<i>Schizaea robusta</i>
KALA 13408	Pteridophyte	Selaginellaceae	<i>Selaginella arbuscula</i>
KALA 13724	Pteridophyte	Selaginellaceae	<i>Selaginella deflexa</i>
KALA 13356	Pteridophyte	Thelypteridaceae	<i>Christella dentata</i>
KALA 13007	Pteridophyte	Thelypteridaceae	<i>Christella parasitica</i>
KALA 13239	Pteridophyte	Thelypteridaceae	<i>Pneumatopteris sandwicensis</i>
KALA 13663	Pteridophyte	Vittariaceae	<i>Haplopteris elongata</i>

TABLE 3: VOUCHER SPECIMENS AND THEIR RECORDS DEPOSITED IN THE KALAUPAPA HERBARIUM

Catalogue #	Superfamily	Family	Full Latin
KALA 13857	Dicot	Acanthaceae	<i>Asystasia gangetica</i>
KALA 13692	Dicot	Acanthaceae	<i>Thunbergia fragrans</i>
KALA 13766	Dicot	Acanthaceae	<i>Thunbergia fragrans</i>
KALA 13141	Dicot	Aizoaceae	<i>Sesuvium portulacastrum</i>
KALA 13509	Dicot	Aizoaceae	<i>Tetragonia tetragonioides</i>
KALA 13050	Dicot	Amaranthaceae	<i>Amaranthus spinosus</i>
KALA 13890	Dicot	Amaranthaceae	<i>Charpentiera obovata</i>
KALA 13103	Dicot	Anacardiaceae	<i>Schinus terebinthifolius</i>
KALA 13129	Dicot	Annonaceae	<i>Annona muricata</i>
KALA 13426	Dicot	Apiaceae	<i>Centella asiatica</i>
KALA 13526	Dicot	Apiaceae	<i>Ciclospermum leptophyllum</i>
KALA 13917	Dicot	Apiaceae	<i>Peucedanum sandwicense</i>
KALA 13219	Dicot	Apocynaceae	<i>Alyxia stellata</i>
KALA 13085	Dicot	Apocynaceae	<i>Catharanthus roseus</i>
KALA 13056	Dicot	Apocynaceae	<i>Nerium oleander</i>
KALA 13353	Dicot	Apocynaceae	<i>Stapelia gigantea</i>
KALA 13214	Dicot	Aquifoliaceae	<i>Ilex anomala</i>
KALA 13545	Dicot	Aquifoliaceae	<i>Ilex anomala</i>
KALA 13217	Dicot	Araliaceae	<i>Cheirodendron trigynum</i> ssp. <i>trigynum</i>
KALA 13674	Dicot	Araliaceae	<i>Tetraplasandra hawaiiensis</i>
KALA 13676	Dicot	Araliaceae	<i>Tetraplasandra hawaiiensis</i>
KALA 13613	Dicot	Araliaceae	<i>Tetraplasandra oahuensis</i>
KALA 13708	Dicot	Araliaceae	<i>Tetraplasandra oahuensis</i>
KALA 13301	Dicot	Asteraceae	<i>Ageratina riparia</i>
KALA 13302	Dicot	Asteraceae	<i>Ageratina riparia</i>
KALA 13501	Dicot	Asteraceae	<i>Ageratina riparia</i>
KALA 13371	Dicot	Asteraceae	<i>Artemisia australis</i>
KALA 13372	Dicot	Asteraceae	<i>Artemisia australis</i>
KALA 13402	Dicot	Asteraceae	<i>Bidens hillebrandiana</i> ssp. <i>polycephala</i>
KALA 13805	Dicot	Asteraceae	<i>Calyptocarpus vialis</i>
KALA 13052	Dicot	Asteraceae	<i>Conyza bonariensis</i>
KALA 13373	Dicot	Asteraceae	<i>Cyanthillium cinereum</i>
KALA 13436	Dicot	Asteraceae	<i>Cyanthillium cinereum</i>
KALA 13014	Dicot	Asteraceae	<i>Dubautia laxa</i> ssp. <i>laxa</i>
KALA 13563	Dicot	Asteraceae	<i>Dubautia laxa</i> ssp. <i>laxa</i>
KALA 13170	Dicot	Asteraceae	<i>Eclipta prostrata</i>
KALA 13115	Dicot	Asteraceae	<i>Emilia fosbergii</i>
KALA 13295	Dicot	Asteraceae	<i>Emilia fosbergii</i>
KALA 13128	Dicot	Asteraceae	<i>Erigeron bellioides</i>
KALA 13790	Dicot	Asteraceae	<i>Erigeron karvinskianus</i>
KALA 13859	Dicot	Asteraceae	<i>Gaillardia pulchella</i>
KALA 13933	Dicot	Asteraceae	<i>Gamochoaeta purpurea</i>
KALA 13511	Dicot	Asteraceae	<i>Hypochoeris radicata</i>
KALA 13387	Dicot	Asteraceae	<i>Melanthera lamarum</i>
KALA 13444	Dicot	Asteraceae	<i>Pluchea indica</i>
KALA 13937	Dicot	Asteraceae	<i>Sigesbeckia orientalis</i>
KALA 13513	Dicot	Asteraceae	<i>Sonchus oleraceus</i>
KALA 13780	Dicot	Asteraceae	<i>Sphagneticola trilobata</i>
KALA 13386	Dicot	Asteraceae	<i>Synedrella nodiflora</i>
KALA 13283	Dicot	Asteraceae	<i>Taraxacum officinale</i>
KALA 13284	Dicot	Asteraceae	<i>Taraxacum officinale</i>

Table 3 continued

Catalogue #	Superfamily	Family	Full Latin
KALA 13404	Dicot	Asteraceae	<i>Tetramolopium sylvae</i>
KALA 13089	Dicot	Asteraceae	<i>Tridax procumbens</i>
KALA 13922	Dicot	Asteraceae	unknown
KALA 13054	Dicot	Asteraceae	<i>Verbesina encelioides</i>
KALA 13015	Dicot	Asteraceae	<i>Youngia japonica</i>
KALA 13234	Dicot	Asteraceae	<i>Youngia japonica</i>
KALA 13235	Dicot	Asteraceae	<i>Youngia japonica</i>
KALA 13123	Dicot	Basellaceae	<i>Anredera cordifolia</i>
KALA 13124	Dicot	Basellaceae	<i>Anredera cordifolia</i>
KALA 13193	Dicot	Betulaceae	<i>Alnus nepalensis</i>
KALA 13194	Dicot	Betulaceae	<i>Alnus nepalensis</i>
KALA 13096	Dicot	Boraginaceae	<i>Heliotropium amplexicaule</i>
KALA 13154	Dicot	Boraginaceae	<i>Heliotropium anomalum</i> var. <i>argenteum</i>
KALA 13926	Dicot	Boraginaceae	<i>Heliotropium anomalum</i> var. <i>argenteum</i>
KALA 13148	Dicot	Boraginaceae	<i>Heliotropium curassavicum</i>
KALA 13107	Dicot	Boraginaceae	<i>Tournefortia argentea</i>
KALA 13495	Dicot	Brassicaceae	<i>Coronopus didymus</i>
KALA 13462	Dicot	Brassicaceae	<i>Lepidium bidentatum</i> var. <i>o-waihiense</i>
KALA 13463	Dicot	Brassicaceae	<i>Lepidium bidentatum</i> var. <i>o-waihiense</i>
KALA 13458	Dicot	Brassicaceae	<i>Lobularia maritima</i>
KALA 13379	Dicot	Brassicaceae	<i>Nasturtium microphyllum</i>
KALA 13914	Dicot	Campanulaceae	<i>Brighamia rockii</i>
KALA 13747	Dicot	Campanulaceae	<i>Clermontia kakeana</i>
KALA 13222	Dicot	Campanulaceae	<i>Clermontia pallida</i>
KALA 13886	Dicot	Campanulaceae	<i>Cyanea mannii</i>
KALA 13877	Dicot	Campanulaceae	<i>Cyanea solenocalyx</i>
KALA 13671	Dicot	Campanulaceae	<i>Wahlenbergia gracilis</i>
KALA 13018	Dicot	Caryophyllaceae	<i>Arenaria serpyllifolia</i>
KALA 13020	Dicot	Caryophyllaceae	<i>Drymaria cordata</i> var. <i>pacifica</i>
KALA 13460	Dicot	Caryophyllaceae	<i>Schiedea globosa</i>
KALA 13045	Dicot	Casuarinaceae	<i>Casuarina equisetifolia</i>
KALA 13224	Dicot	Celastraceae	<i>Perrottetia sandwicensis</i>
KALA 13140	Dicot	Chenopodiaceae	<i>Atriplex semibaccata</i>
KALA 13397	Dicot	Convolvulaceae	<i>Ipomoea alba</i>
KALA 13523	Dicot	Convolvulaceae	<i>Ipomoea indica</i>
KALA 13158	Dicot	Convolvulaceae	<i>Ipomoea pes-caprae</i> ssp. <i>brasiliensis</i>
KALA 13939	Dicot	Convolvulaceae	<i>Ipomoea violacea</i>
KALA 13136	Dicot	Convolvulaceae	<i>Jacquemontia ovalifolia</i> ssp. <i>sandwicensis</i>
KALA 13304	Dicot	Convolvulaceae	<i>Stictocardia tillifolia</i>
KALA 13375	Dicot	Crassulaceae	<i>Kalanchoe pinnata</i>
KALA 13143	Dicot	Cucurbitaceae	<i>Momordica charantia</i>
KALA 13487	Dicot	Cuscutaceae	<i>Cuscuta sandwichiana</i>
KALA 13340	Dicot	Ebenaceae	<i>Diospyros sandwicensis</i>
KALA 13171	Dicot	Epacridaceae	<i>Leptecophylla tameiameiae</i>
KALA 13594	Dicot	Epacridaceae	<i>Leptecophylla tameiameiae</i>
KALA 13177	Dicot	Ericaceae	<i>Vaccinium dentatum</i>
KALA 13415	Dicot	Euphorbiaceae	<i>Aleurites moluccana</i>
KALA 13869	Dicot	Euphorbiaceae	<i>Antidesma platyphyllum</i> var. <i>platyphyllum</i>
KALA 13332	Dicot	Euphorbiaceae	<i>Chamaesyce celastroides</i> var. <i>amplectens</i>
KALA 13437	Dicot	Euphorbiaceae	<i>Chamaesyce celastroides</i> var. <i>amplectens</i>
KALA 13156	Dicot	Euphorbiaceae	<i>Chamaesyce degeneri</i>
KALA 13924	Dicot	Euphorbiaceae	<i>Chamaesyce degeneri</i>
KALA 13068	Dicot	Euphorbiaceae	<i>Chamaesyce hirta</i>
KALA 13468	Dicot	Euphorbiaceae	<i>Chamaesyce hirta</i>

Table 3 continued

Catalogue #	Superfamily	Family	Full Latin
KALA 13469	Dicot	Euphorbiaceae	<i>Chamaesyce hirta</i>
KALA 13059	Dicot	Euphorbiaceae	<i>Chamaesyce hyssopifolia</i>
KALA 13060	Dicot	Euphorbiaceae	<i>Chamaesyce hyssopifolia</i>
KALA 13072	Dicot	Euphorbiaceae	<i>Chamaesyce prostrata</i>
KALA 13163	Dicot	Euphorbiaceae	<i>Chamaesyce prostrata</i>
KALA 13164	Dicot	Euphorbiaceae	<i>Chamaesyce prostrata</i>
KALA 13117	Dicot	Euphorbiaceae	<i>Phyllanthus debilis</i>
KALA 13467	Dicot	Fabaceae	<i>Acacia confusa</i>
KALA 13058	Dicot	Fabaceae	<i>Acacia farnesiana</i>
KALA 13344	Dicot	Fabaceae	<i>Caesalpinia bonduc</i>
KALA 13693	Dicot	Fabaceae	<i>Canavalia cathartica</i>
KALA 13642	Dicot	Fabaceae	<i>Canavalia galeata</i>
KALA 13919	Dicot	Fabaceae	<i>Canavalia molokaiensis</i>
KALA 13070	Dicot	Fabaceae	<i>Chamaecrista nictitans</i> var. <i>glabrata</i>
KALA 13135	Dicot	Fabaceae	<i>Crotalaria pallida</i>
KALA 13095	Dicot	Fabaceae	<i>Desmanthus pernambucanus</i>
KALA 13315	Dicot	Fabaceae	<i>Desmodium triflorum</i>
KALA 13316	Dicot	Fabaceae	<i>Desmodium triflorum</i>
KALA 13476	Dicot	Fabaceae	<i>Desmodium triflorum</i>
KALA 13347	Dicot	Fabaceae	<i>Indigofera suffruticosa</i>
KALA 13108	Dicot	Fabaceae	<i>Leucaena leucocephala</i>
KALA 13440	Dicot	Fabaceae	<i>Macropitilium lathyroides</i>
KALA 13471	Dicot	Fabaceae	<i>Medicago rugosa</i>
KALA 13093	Dicot	Fabaceae	<i>Mimosa pudica</i> var. <i>unijuga</i>
KALA 13801	Dicot	Fabaceae	<i>Mucuna gigantea</i> ssp. <i>gigantea</i>
KALA 13364	Dicot	Fabaceae	<i>Pithecellobium dulce</i>
KALA 13850	Dicot	Fabaceae	<i>Prosopis pallida</i>
KALA 13352	Dicot	Fabaceae	<i>Senna alata</i>
KALA 13520	Dicot	Fabaceae	<i>Senna gaudichaudii</i>
KALA 13521	Dicot	Fabaceae	<i>Senna gaudichaudii</i>
KALA 13817	Dicot	Fabaceae	<i>Senna occidentalis</i>
KALA 13048	Dicot	Fabaceae	<i>Senna pendula</i> var. <i>advena</i>
KALA 13903	Dicot	Fabaceae	<i>Vigna marina</i>
KALA 13660	Dicot	Flacourtiaceae	<i>Xylosma hawaiiense</i>
KALA 13023	Dicot	Gesneriaceae	<i>Cyrtandra biserrata</i>
KALA 13024	Dicot	Gesneriaceae	<i>Cyrtandra biserrata</i>
KALA 13718	Dicot	Gesneriaceae	<i>Cyrtandra biserrata</i>
KALA 13831	Dicot	Gesneriaceae	<i>Cyrtandra</i> cf. <i>procera</i> x <i>grayana</i>
KALA 13879	Dicot	Gesneriaceae	<i>Cyrtandra grayana</i>
KALA 13755	Dicot	Gesneriaceae	<i>Cyrtandra macrocalyx</i>
KALA 13543	Dicot	Gesneriaceae	<i>Cyrtandra procera</i>
KALA 13556	Dicot	Gesneriaceae	<i>Cyrtandra procera</i>
KALA 13754	Dicot	Gesneriaceae	<i>Cyrtandra procera</i>
KALA 13209	Dicot	Goodeniaceae	<i>Scaevola chamissoniana</i>
KALA 13210	Dicot	Goodeniaceae	<i>Scaevola chamissoniana</i>
KALA 13577	Dicot	Goodeniaceae	<i>Scaevola chamissoniana</i>
KALA 13709	Dicot	Goodeniaceae	<i>Scaevola chamissoniana</i>
KALA 13911	Dicot	Goodeniaceae	<i>Scaevola coriacea</i>
KALA 13366	Dicot	Goodeniaceae	<i>Scaevola gaudichaudii</i>
KALA 13138	Dicot	Goodeniaceae	<i>Scaevola taccada</i>
KALA 13277	Dicot	Lamiaceae	<i>Hyptis pectinata</i>
KALA 13278	Dicot	Lamiaceae	<i>Hyptis pectinata</i>
KALA 13493	Dicot	Lamiaceae	<i>Leonotis nepetifolia</i>
KALA 13690	Dicot	Lamiaceae	<i>Leonurus japonicus</i>

Table 3 continued

Catalogue #	Superfamily	Family	Full Latin
KALA 13290	Dicot	Lamiaceae	<i>Plectranthus parviflorus</i>
KALA 13337	Dicot	Lauraceae	<i>Cassytha filiformis</i>
KALA 13338	Dicot	Lauraceae	<i>Cassytha filiformis</i>
KALA 13749	Dicot	Loganiaceae	<i>Labordia waiolani</i>
KALA 13396	Dicot	Lythraceae	<i>Lythrum maritimum</i>
KALA 13091	Dicot	Malvaceae	<i>Abutilon grandifolium</i>
KALA 13771	Dicot	Malvaceae	<i>Hibiscus rosa-sinensis</i>
KALA 13419	Dicot	Malvaceae	<i>Hibiscus tiliaceus</i>
KALA 13491	Dicot	Malvaceae	<i>Malva parviflora</i>
KALA 13146	Dicot	Malvaceae	<i>Sida fallax</i>
KALA 13105	Dicot	Malvaceae	<i>Thespesia populnea</i>
KALA 13775	Dicot	Malvaceae	<i>Thespesia populnea</i>
KALA 13824	Dicot	Malvaceae	<i>Triumfetta semitriloba</i>
KALA 13529	Dicot	Melastomataceae	<i>Clidemia hirta</i> var. <i>hirta</i>
KALA 13866	Dicot	Melastomataceae	<i>Tibouchina herbacea</i>
KALA 13893	Dicot	Menispermaceae	<i>Cocculus orbiculatus</i>
KALA 13855	Dicot	Moraceae	<i>Broussonetia luzonica</i>
KALA 13350	Dicot	Moraceae	<i>Ficus microcarpa</i>
KALA 13705	Dicot	Myrsinaceae	<i>Embelia pacifica</i>
KALA 13548	Dicot	Myrsinaceae	<i>Myrsine lessertiana</i>
KALA 13870	Dicot	Myrsinaceae	<i>Myrsine lessertiana</i>
KALA 13589	Dicot	Myrsinaceae	<i>Myrsine sandwicensis</i>
KALA 13603	Dicot	Myrsinaceae	<i>Myrsine sandwicensis</i>
KALA 13604	Dicot	Myrsinaceae	<i>Myrsine sandwicensis</i>
KALA 13368	Dicot	Myrtaceae	<i>Corymbia citriodora</i>
KALA 13175	Dicot	Myrtaceae	<i>Eucalyptus saligna</i>
KALA 13176	Dicot	Myrtaceae	<i>Eucalyptus saligna</i>
KALA 13133	Dicot	Myrtaceae	<i>Eugenia uniflora</i>
KALA 13546	Dicot	Myrtaceae	<i>Metrosideros polymorpha</i> var. <i>glaberrima</i>
KALA 13728	Dicot	Myrtaceae	<i>Metrosideros polymorpha</i> var. <i>glaberrima</i>
KALA 13173	Dicot	Myrtaceae	<i>Metrosideros polymorpha</i> var. <i>incana</i>
KALA 13617	Dicot	Myrtaceae	<i>Metrosideros polymorpha</i> var. <i>incana</i>
KALA 13721	Dicot	Myrtaceae	<i>Metrosideros polymorpha</i> var. <i>incana</i>
KALA 13634	Dicot	Myrtaceae	<i>Metrosideros waialealae</i> var. <i>fauriei</i>
KALA 13636	Dicot	Myrtaceae	<i>Metrosideros waialealae</i> var. <i>fauriei</i>
KALA 13528	Dicot	Myrtaceae	<i>Psidium guajava</i>
KALA 13345	Dicot	Myrtaceae	<i>Syzygium cumini</i>
KALA 13695	Dicot	Myrtaceae	<i>Syzygium sandwicensis</i>
KALA 13161	Dicot	Nyctaginaceae	<i>Boerhavia acutifolia</i>
KALA 13445	Dicot	Nyctaginaceae	<i>Boerhavia acutifolia</i>
KALA 13448	Dicot	Nyctaginaceae	<i>Boerhavia acutifolia</i>
KALA 13077	Dicot	Nyctaginaceae	<i>Boerhavia coccinea</i>
KALA 13449	Dicot	Nyctaginaceae	<i>Boerhavia repens</i>
KALA 13651	Dicot	Nyctaginaceae	<i>Pisonia umbellifera</i>
KALA 13652	Dicot	Nyctaginaceae	<i>Pisonia umbellifera</i>
KALA 13882	Dicot	Onagraceae	<i>Ludwigia octovalvis</i>
KALA 13066	Dicot	Oxalidaceae	<i>Oxalis corniculata</i>
KALA 13516	Dicot	Oxalidaceae	<i>Oxalis debilis</i>
KALA 13806	Dicot	Papaveraceae	<i>Argemone glauca</i> var. <i>glauca</i>
KALA 13362	Dicot	Papaveraceae	<i>Argemone mexicana</i>
KALA 13032	Dicot	Passifloraceae	<i>Passiflora edulis</i>
KALA 13034	Dicot	Phytolaccaceae	<i>Phytolacca octandra</i>
KALA 13292	Dicot	Piperaceae	<i>Peperomia blanda</i> var. <i>floribunda</i>
KALA 13293	Dicot	Piperaceae	<i>Peperomia blanda</i> var. <i>floribunda</i>

Table 3 continued

Catalogue #	Superfamily	Family	Full Latin
KALA 13632	Dicot	Piperaceae	<i>Peperomia cookiana</i>
KALA 13759	Dicot	Piperaceae	<i>Peperomia latifolia</i>
KALA 13593	Dicot	Piperaceae	<i>Peperomia macraeana</i>
KALA 13313	Dicot	Piperaceae	<i>Peperomia tetraphylla</i>
KALA 13270	Dicot	Pittosporaceae	<i>Pittosporum glabrum</i>
KALA 13271	Dicot	Pittosporaceae	<i>Pittosporum glabrum</i>
KALA 13637	Dicot	Pittosporaceae	<i>Pittosporum glabrum</i>
KALA 13638	Dicot	Pittosporaceae	<i>Pittosporum glabrum</i>
KALA 13909	Dicot	Pittosporaceae	<i>Pittosporum halophilum</i>
KALA 13376	Dicot	Plantaginaceae	<i>Plantago major</i>
KALA 13442	Dicot	Plumbaginaceae	<i>Plumbago zeylanica</i>
KALA 13765	Dicot	Plumbaginaceae	<i>Plumbago zeylanica</i>
KALA 13099	Dicot	Polygonaceae	<i>Antigonon leptopus</i>
KALA 13112	Dicot	Polygonaceae	<i>Coccoloba uvifera</i>
KALA 13036	Dicot	Polygonaceae	<i>Persicaria punctata</i>
KALA 13079	Dicot	Portulacaceae	<i>Portulaca pilosa</i>
KALA 13465	Dicot	Portulacaceae	<i>Portulaca pilosa</i>
KALA 13480	Dicot	Portulacaceae	<i>Portulaca pilosa</i>
KALA 13921	Dicot	Primulaceae	<i>Anagallis arvensis</i>
KALA 13925	Dicot	Primulaceae	<i>Anagallis arvensis</i>
KALA 13188	Dicot	Primulaceae	<i>Lysimachia hillebrandii</i>
KALA 13913	Dicot	Primulaceae	<i>Lysimachia mauritiana</i>
KALA 13702	Dicot	Primulaceae	<i>Lysimachia maxima</i>
KALA 13861	Dicot	Proteaceae	<i>Macadamia tetraphylla</i>
KALA 13083	Dicot	Rhamnaceae	<i>Colubrina asiatica</i>
KALA 13901	Dicot	Rhizophoraceae	<i>Rhizophora mangle</i>
KALA 13519	Dicot	Rosaceae	<i>Osteomeles anthyllidifolia</i>
KALA 13393	Dicot	Rosaceae	<i>Rubus rosifolius</i>
KALA 13767	Dicot	Rubiaceae	<i>Coffea arabica</i>
KALA 13221	Dicot	Rubiaceae	<i>Coprosma foliosa</i>
KALA 13254	Dicot	Rubiaceae	<i>Coprosma granadensis</i>
KALA 13039	Dicot	Rubiaceae	<i>Coprosma ochracea</i>
KALA 13040	Dicot	Rubiaceae	<i>Coprosma ochracea</i>
KALA 13041	Dicot	Rubiaceae	<i>Coprosma ochracea</i>
KALA 13549	Dicot	Rubiaceae	<i>Coprosma ochracea</i>
KALA 13588	Dicot	Rubiaceae	<i>Coprosma ochracea</i>
KALA 13716	Dicot	Rubiaceae	<i>Coprosma ochracea</i>
KALA 13748	Dicot	Rubiaceae	<i>Coprosma ochracea</i>
KALA 13830	Dicot	Rubiaceae	<i>Coprosma ochracea</i>
KALA 13717	Dicot	Rubiaceae	<i>Coprosma ternata</i>
KALA 13868	Dicot	Rubiaceae	<i>Hedyotis acuminata</i>
KALA 13042	Dicot	Rubiaceae	<i>Hedyotis hillebrandii</i>
KALA 13211	Dicot	Rubiaceae	<i>Hedyotis hillebrandii</i>
KALA 13212	Dicot	Rubiaceae	<i>Hedyotis hillebrandii</i>
KALA 13698	Dicot	Rubiaceae	<i>Hedyotis hillebrandii</i>
KALA 13249	Dicot	Rubiaceae	<i>Hedyotis terminalis</i>
KALA 13250	Dicot	Rubiaceae	<i>Hedyotis terminalis</i>
KALA 13251	Dicot	Rubiaceae	<i>Hedyotis terminalis</i>
KALA 13535	Dicot	Rubiaceae	<i>Hedyotis terminalis</i>
KALA 13582	Dicot	Rubiaceae	<i>Hedyotis terminalis</i>
KALA 13101	Dicot	Rubiaceae	<i>Morinda citrifolia</i>
KALA 13687	Dicot	Rubiaceae	<i>Psychotria hawaiiensis</i> var. <i>hawaiiensis</i>
KALA 13252	Dicot	Rubiaceae	<i>Psychotria maiuensis</i>
KALA 13253	Dicot	Rubiaceae	<i>Psychotria maiuensis</i>

Table 3 continued

Catalogue #	Superfamily	Family	Full Latin
KALA 13601	Dicot	Rubiaceae	<i>Psychotria mauiensis</i>
KALA 13602	Dicot	Rubiaceae	<i>Psychotria mauiensis</i>
KALA 13735	Dicot	Rubiaceae	<i>Psychotria mauiensis</i>
KALA 13677	Dicot	Rubiaceae	<i>Psydrax odorata</i>
KALA 13584	Dicot	Rutaceae	<i>Melicope clusiifolia</i>
KALA 13585	Dicot	Rutaceae	<i>Melicope clusiifolia</i>
KALA 13600	Dicot	Rutaceae	<i>Melicope clusiifolia</i>
KALA 13827	Dicot	Rutaceae	<i>Melicope molokaiensis</i>
KALA 13044	Dicot	Rutaceae	<i>Melicope sessilis</i>
KALA 13256	Dicot	Rutaceae	<i>Melicope sessilis</i>
KALA 13610	Dicot	Rutaceae	<i>Melicope sessilis</i>
KALA 13611	Dicot	Rutaceae	<i>Melicope sessilis</i>
KALA 13241	Dicot	Rutaceae	<i>Zanthoxylum kauaense</i>
KALA 13864	Dicot	Sapindaceae	<i>Dodonaea viscosa</i>
KALA 13243	Dicot	Sapotaceae	<i>Pouteria sandwicensis</i>
KALA 13244	Dicot	Sapotaceae	<i>Pouteria sandwicensis</i>
KALA 13245	Dicot	Sapotaceae	<i>Pouteria sandwicensis</i>
KALA 13416	Dicot	Scrophulariaceae	<i>Bacopa monnieri</i>
KALA 13820	Dicot	Solanaceae	<i>Datura stramonium</i>
KALA 13150	Dicot	Solanaceae	<i>Lycium sandwicense</i>
KALA 13335	Dicot	Solanaceae	<i>Nicotiana tabacum</i>
KALA 13504	Dicot	Solanaceae	<i>Solanum capsicoides</i>
KALA 13489	Dicot	Solanaceae	<i>Solanum lycopersicum</i> var. <i>cerasiforme</i>
KALA 13887	Dicot	Solanaceae	<i>Solanum pseudocapsicum</i>
KALA 13111	Dicot	Solanaceae	<i>Solanum seaforthianum</i>
KALA 13081	Dicot	Sterculiaceae	<i>Waltheria indica</i>
KALA 13587	Dicot	Thymelaeaceae	<i>Wikstroemia forbesii</i>
KALA 13849	Dicot	Thymelaeaceae	<i>Wikstroemia forbesii</i>
KALA 13317	Dicot	Thymelaeaceae	<i>Wikstroemia oahuensis</i> var. <i>oahuensis</i>
KALA 13319	Dicot	Thymelaeaceae	<i>Wikstroemia oahuensis</i> var. <i>oahuensis</i>
KALA 13752	Dicot	Thymelaeaceae	<i>Wikstroemia oahuensis</i> var. <i>oahuensis</i>
KALA 13152	Dicot	Thymelaeaceae	<i>Wikstroemia uva-ursi</i> var. <i>uva-ursi</i>
KALA 13438	Dicot	Thymelaeaceae	<i>Wikstroemia uva-ursi</i> var. <i>uva-ursi</i>
KALA 13452	Dicot	Thymelaeaceae	<i>Wikstroemia uva-ursi</i> var. <i>uva-ursi</i>
KALA 13087	Dicot	Turneraceae	<i>Turnera ulmifolia</i>
KALA 13227	Dicot	Urticaceae	<i>Pipturus albidus</i>
KALA 13874	Dicot	Urticaceae	<i>Pipturus albidus</i>
KALA 13875	Dicot	Urticaceae	<i>Urera glabra</i>
KALA 13063	Dicot	Verbenaceae	<i>Lantana camara</i>
KALA 13264	Dicot	Verbenaceae	<i>Stachytarpheta cayennensis</i>
KALA 13062	Dicot	Verbenaceae	<i>Vitex rotundifolia</i>
KALA 13822	Dicot	Verbenaceae	<i>Vitex trifolia</i>
KALA 13576	Dicot	Violaceae	<i>Viola chamissoniana</i> ssp. <i>robusta</i>
KALA 13230	Dicot	Viscaceae	<i>Korthalsella complanata</i>
KALA 13812	Dicot	Viscaceae	<i>Korthalsella cylindrica</i>
KALA 13182	Gymnosperm	Cupressaceae	<i>Cupressus macrocarpa</i>
KALA 13207	Gymnosperm	Pinaceae	<i>Pinus elliotii</i>
KALA 13324	Monocot	Agavaceae	<i>Furcraea foetida</i>
KALA 13907a	Monocot	Arecaceae	<i>Cocos nucifera</i>
KALA 13907b	Monocot	Arecaceae	<i>Cocos nucifera</i>
KALA 13907c	Monocot	Arecaceae	<i>Cocos nucifera</i>
KALA 13862, 1 of 5	Monocot	Arecaceae	<i>Phoenix hybrid</i>
KALA 13862, 2 of 5	Monocot	Arecaceae	<i>Phoenix hybrid</i>
KALA 13862, 3 of 5	Monocot	Arecaceae	<i>Phoenix hybrid</i>

Table 3 continued

Catalogue #	Superfamily	Family	Full Latin
KALA 13862, 4 of 5	Monocot	Arecaceae	<i>Phoenix hybrid</i>
KALA 13862, 5 of 5	Monocot	Arecaceae	<i>Phoenix hybrid</i>
KALA 13503	Monocot	Commelinaceae	<i>Commelina diffusa</i>
KALA 13482	Monocot	Cyperaceae	<i>Bolboschoenus maritimus</i>
KALA 13431	Monocot	Cyperaceae	<i>Carex meyenii</i>
KALA 13432	Monocot	Cyperaceae	<i>Carex meyenii</i>
KALA 13433	Monocot	Cyperaceae	<i>Carex meyenii</i>
KALA 13682	Monocot	Cyperaceae	<i>Carex meyenii</i>
KALA 13515	Monocot	Cyperaceae	<i>Carex wahuensis</i> ssp. <i>wahuensis</i>
KALA 13118	Monocot	Cyperaceae	<i>Cyperus javanicus</i>
KALA 13455	Monocot	Cyperaceae	<i>Cyperus javanicus</i>
KALA 13927	Monocot	Cyperaceae	<i>Cyperus javanicus</i>
KALA 13191	Monocot	Cyperaceae	<i>Cyperus polystachyos</i>
KALA 13272	Monocot	Cyperaceae	<i>Cyperus polystachyos</i>
KALA 13895	Monocot	Cyperaceae	<i>Cyperus spp</i>
KALA 13479	Monocot	Cyperaceae	<i>Eleocharis geniculata</i>
KALA 13159	Monocot	Cyperaceae	<i>Fimbristylis cymosa</i> ssp. <i>umbellato-capitata</i>
KALA 13390	Monocot	Cyperaceae	<i>Kyllinga brevifolia</i>
KALA 13306	Monocot	Dioscoreaceae	<i>Dioscorea bulbifera</i>
KALA 13622	Monocot	Juncaceae	<i>Juncus bufonius</i>
KALA 13126	Monocot	Liliaceae	<i>Asparagus plumosus</i>
KALA 13710	Monocot	Liliaceae	<i>Astelia menziesiana</i>
KALA 13186	Monocot	Orchidaceae	<i>Liparis hawaiiensis</i>
KALA 13834	Monocot	Orchidaceae	<i>Liparis hawaiiensis</i>
KALA 13184	Monocot	Orchidaceae	<i>Spathoglottis plicata</i>
KALA 13422	Monocot	Pandanaceae	<i>Pandanus tectorius</i>
KALA 13897	Monocot	Poaceae	<i>Andropogon virginicus</i>
KALA 13198	Monocot	Poaceae	<i>Anthoxanthum odoratum</i>
KALA 13628	Monocot	Poaceae	<i>Axonopus fissifolius</i>
KALA 13259	Monocot	Poaceae	<i>Bothriochloa pertusa</i>
KALA 13852	Monocot	Poaceae	<i>Chloris barbata</i>
KALA 13261	Monocot	Poaceae	<i>Chloris radiata</i>
KALA 13411	Monocot	Poaceae	<i>Chrysopogon aciculatus</i>
KALA 13383	Monocot	Poaceae	<i>Coix lacryma-jobi</i>
KALA 13168	Monocot	Poaceae	<i>Cynodon dactylon</i>
KALA 13472	Monocot	Poaceae	<i>Cynodon dactylon</i>
KALA 13275	Monocot	Poaceae	<i>Digitaria ciliaris</i>
KALA 13297	Monocot	Poaceae	<i>Digitaria ciliaris</i>
KALA 13298	Monocot	Poaceae	<i>Digitaria ciliaris</i>
KALA 13427	Monocot	Poaceae	<i>Digitaria ciliaris</i>
KALA 13166	Monocot	Poaceae	<i>Digitaria insularis</i>
KALA 13327	Monocot	Poaceae	<i>Digitaria insularis</i>
KALA 13328	Monocot	Poaceae	<i>Digitaria insularis</i>
KALA 13329	Monocot	Poaceae	<i>Digitaria insularis</i>
KALA 13803	Monocot	Poaceae	<i>Ehrharta stipoides</i>
KALA 13005	Monocot	Poaceae	<i>Eleusine indica</i>
KALA 13263	Monocot	Poaceae	<i>Eleusine indica</i>
KALA 13073	Monocot	Poaceae	<i>Eragrostis amabilis</i>
KALA 13075	Monocot	Poaceae	<i>Eragrostis amabilis</i>
KALA 13311	Monocot	Poaceae	<i>Melinis minutiflora</i>
KALA 13331	Monocot	Poaceae	<i>Melinis repens</i>
KALA 13321	Monocot	Poaceae	<i>Oplismenus hirtellus</i>
KALA 13322	Monocot	Poaceae	<i>Oplismenus hirtellus</i>
KALA 13268	Monocot	Poaceae	<i>Panicum maximum</i>

Table 3 continued

Catalogue #	Superfamily	Family	Full Latin
KALA 13002	Monocot	Poaceae	<i>Paspalum conjugatum</i>
KALA 13201	Monocot	Poaceae	<i>Paspalum conjugatum</i>
KALA 13202	Monocot	Poaceae	<i>Paspalum conjugatum</i>
KALA 13810	Monocot	Poaceae	<i>Paspalum dilatatum</i>
KALA 13003	Monocot	Poaceae	<i>Sacciolepis indica</i>
KALA 13656	Monocot	Poaceae	<i>Schizostachyum glaucifolium</i>
KALA 13008	Monocot	Poaceae	<i>Setaria parviflora</i>
KALA 13232	Monocot	Poaceae	<i>Setaria parviflora</i>
KALA 13267	Monocot	Poaceae	<i>Sporobolus indicus</i>
KALA 13930	Monocot	Poaceae	<i>Sporobolus virginicus</i>
KALA 13782	Monocot	Poaceae	<i>Stenotaphrum secundatum</i>
KALA 13484	Monocot	Ruppiaceae	<i>Ruppia maritima</i>
KALA 13485	Monocot	Ruppiaceae	<i>Ruppia maritima</i>
KALA 13552	Monocot	Smilacaceae	<i>Smilax melastomifolia</i>
KALA 13847	Pteridophyte	Aspleniaceae	<i>Asplenium acuminatum</i>
KALA 13204	Pteridophyte	Aspleniaceae	<i>Asplenium aethiopicum</i>
KALA 13538	Pteridophyte	Aspleniaceae	<i>Asplenium contiguum</i> var. <i>contiguum</i>
KALA 13539	Pteridophyte	Aspleniaceae	<i>Asplenium contiguum</i> var. <i>contiguum</i>
KALA 13667	Pteridophyte	Aspleniaceae	<i>Asplenium contiguum</i> var. <i>contiguum</i>
KALA 13012	Pteridophyte	Aspleniaceae	<i>Asplenium insiticium</i>
KALA 13570	Pteridophyte	Aspleniaceae	<i>Asplenium polyodon</i>
KALA 13554	Pteridophyte	Athyriaceae	<i>Athyrium microphyllum</i>
KALA 13639	Pteridophyte	Athyriaceae	<i>Deparia petersenii</i>
KALA 13572a	Pteridophyte	Athyriaceae	<i>Diplazium sandwichianum</i>
KALA 13572b	Pteridophyte	Athyriaceae	<i>Diplazium sandwichianum</i>
KALA 13001	Pteridophyte	Blechnaceae	<i>Blechnum appendiculatum</i>
KALA 13574a	Pteridophyte	Blechnaceae	<i>Sadleria pallida</i>
KALA 13574b	Pteridophyte	Blechnaceae	<i>Sadleria pallida</i>
KALA 13720	Pteridophyte	Dryopteridaceae	<i>Arachniodes insularis</i>
KALA 13713	Pteridophyte	Dryopteridaceae	<i>Ctenitis latifrons</i>
KALA 13357	Pteridophyte	Dryopteridaceae	<i>Cyrtomium falcatum</i>
KALA 13744	Pteridophyte	Dryopteridaceae	<i>Dryopteris unidentata</i> var. <i>unidentata</i>
KALA 13180	Pteridophyte	Gleicheniaceae	<i>Dicranopteris linearis</i>
KALA 13836	Pteridophyte	Grammitidaceae	<i>Adenophorus tamariscinus</i> var. <i>montanus</i>
KALA 13559	Pteridophyte	Grammitidaceae	<i>Adenophorus tamariscinus</i> var. <i>tamariscinus</i>
KALA 13841	Pteridophyte	Grammitidaceae	<i>Grammitis tenella</i>
KALA 13430	Pteridophyte	Hymenophyllaceae	<i>Crepidomanes minutum</i>
KALA 13581	Pteridophyte	Hymenophyllaceae	<i>Hymenophyllum obtusum</i>
KALA 13534	Pteridophyte	Hymenophyllaceae	<i>Hymenophyllum recurvum</i>
KALA 13608	Pteridophyte	Hymenophyllaceae	<i>Hymenophyllum recurvum</i>
KALA 13597	Pteridophyte	Hymenophyllaceae	<i>Vandenboschia davallioides</i>
KALA 13699	Pteridophyte	Hymenophyllaceae	<i>Vandenboschia davallioides</i>
KALA 13740	Pteridophyte	Hymenophyllaceae	<i>Vandenboschia davallioides</i>
KALA 13899	Pteridophyte	Lomariopsidaceae	<i>Elaphoglossum crassifolium</i>
KALA 13751	Pteridophyte	Lomariopsidaceae	<i>Elaphoglossum fauriei</i>
KALA 13565	Pteridophyte	Lomariopsidaceae	<i>Elaphoglossum paleaceum</i>
KALA 13839	Pteridophyte	Lomariopsidaceae	<i>Elaphoglossum paleaceum</i>
KALA 13627	Pteridophyte	Lycopodiaceae	<i>Lycopodiella cernua</i>
KALA 13562	Pteridophyte	Marattiaceae	<i>Marattia douglasii</i>
KALA 13360	Pteridophyte	Nephrolepidaceae	<i>Nephrolepis cordifolia</i>
KALA 13592	Pteridophyte	Nephrolepidaceae	<i>Nephrolepis cordifolia</i>
KALA 13120	Pteridophyte	Nephrolepidaceae	<i>Nephrolepis multiflora</i>
KALA 13121	Pteridophyte	Nephrolepidaceae	<i>Nephrolepis multiflora</i>
KALA 13314	Pteridophyte	Polypodiaceae	<i>Lepisorus thunbergianus</i>

Table 3 continued

Catalogue #	Superfamily	Family	Full Latin
KALA 13499	Pteridophyte	Polypodiaceae	<i>Lepisorus thunbergianus</i>
KALA 13537	Pteridophyte	Polypodiaceae	<i>Lepisorus thunbergianus</i>
KALA 13288	Pteridophyte	Polypodiaceae	<i>Phymatosorus grossus</i>
KALA 13567	Pteridophyte	Polypodiaceae	<i>Polypodium pellucidum</i> var. <i>pellucidum</i>
KALA 13838	Pteridophyte	Polypodiaceae	<i>Polypodium pellucidum</i> var. <i>pellucidum</i>
KALA 13844	Pteridophyte	Polypodiaceae	<i>Polypodium pellucidum</i> var. <i>pellucidum</i>
KALA 13615	Pteridophyte	Psilotaceae	<i>Psilotum complanatum</i>
KALA 13845	Pteridophyte	Psilotaceae	<i>Psilotum complanatum</i>
KALA 13309	Pteridophyte	Psilotaceae	<i>Psilotum nudum</i>
KALA 13310	Pteridophyte	Psilotaceae	<i>Psilotum nudum</i>
KALA 13038	Pteridophyte	Pteridaceae	<i>Adiantum raddianum</i>
KALA 13355	Pteridophyte	Pteridaceae	<i>Adiantum raddianum</i>
KALA 13285	Pteridophyte	Pteridaceae	<i>Doryopteris decipiens</i>
KALA 13406	Pteridophyte	Pteridaceae	<i>Doryopteris decipiens</i>
KALA 13407	Pteridophyte	Pteridaceae	<i>Doryopteris decipiens</i>
KALA 13435	Pteridophyte	Pteridaceae	<i>Doryopteris decipiens</i>
KALA 13409	Pteridophyte	Selaginellaceae	<i>Selaginella arbuscula</i>
KALA 13662	Pteridophyte	Vittariaceae	<i>Haplopteris elongata</i>

TABLE 4. VOUCHER SPECIMENS AND THEIR RECORDS DEPOSITED IN THE NATIONAL TROPICAL BOTANICAL GARDEN

Herbarium	Superfamily	Family	Full Latin
PTBG	Dicot	Araliaceae	Tetraplasandra hawaiiensis
PTBG	Dicot	Caryophyllaceae	Polycarpon tetraphyllum
PTBG	Dicot	Caryophyllaceae	Schiedea pubescens
PTBG	Dicot	Gesneriaceae	Cyrtandra hawaiiensis
PTBG	Dicot	Lamiaceae	Lamium amplexicaule
PTBG	Dicot	Lamiaceae	Phyllostegia stachyoides
PTBG	Dicot	Loganiaceae	Labordia hirtella
PTBG	Dicot	Myrtaceae	Eugenia reinwardtiana
PTBG	Dicot	Piperaceae	Peperomia eekana
PTBG	Dicot	Piperaceae	Peperomia rockii
PTBG	Dicot	Rubiaceae	Coprosma pubens
PTBG	Dicot	Rubiaceae	Hedyotis elatior
PTBG	Monocot	Arecaceae	Pritchardia lowreyana
PTBG	Monocot	Cyperaceae	Carex montis-eeka
PTBG	Monocot	Poaceae	Bromus hordeaceus ssp. hordeaceus
PTBG	Monocot	Poaceae	Dichanthelium cynodon
PTBG	Monocot	Poaceae	Isachne distichophylla
PTBG	Monocot	Poaceae	Sporobolus indicus
PTBG	Monocot	Poaceae	Vulpia bromoides
PTBG	Pteridophyte	Athyriaceae	Deparia marginalis
PTBG	Pteridophyte	Lomariopsidaceae	Elaphoglossum parvisquameum
PTBG	Pteridophyte	Lomariopsidaceae	Elaphoglossum pellucidum

**TABLE 5. RARE, THREATENED AND ENDANGERED PLANTS
HISTORICALLY KNOWN FROM MOLOKAI (with excerpts of type collection
(Wagner et. al. 1999)**

(Note: place names given where known from type)

FAMILY: AMARANTHACEAE

Achyranthes splendens Mart. ex Moq. var. *rotundata* Hillebr., Fl. Hawaiian Isl. 371
1888. **Type:** O`ahu, Wai`anae or Cape Ka`ena. 1850- 1871. *Hillebrand s.n.*.
Holotype [B] destroyed; O`ahu, Ka`ena Point. 0 m. 4 April 1958. *Bishop s.n.*
Neotype [BISH]. Neotypified in H. St. John. Pacific Sci. 33: 347. 1979.
Common name: none

FAMILY: APIACEAE

Peucedanum sandwicense Hillebr., Fl. Hawaiian Isl. 144 1888. 1851-1855. *Hillebrand
s.n.*.
Common name: Makou

FAMILY: ARECACEAE

Pritchardia hillebrandii (Kuntze) Becc. Basionym: *Pritchardia insignis* Unger ex
Endlicher Gen. Pl. Suppl. 2: 102. 1842.
Common name: Loulu

Pritchardia lowreyana Rock, Mem. Bishop Mus., Honolulu, 8: 53 1921. Basionym:
Pritchardia lowreyana Rock var. *turbinata* Rock Mem. Bernice P. Bishop Mus. 8:55,
p1. 10b, 22J. **Type:** Moloka`i , Wai`ale`ia ridge, Feb 1920, *Rock 17344*. **Holotype:**
[BISH]
Common name: Loulu

FAMILY: ASTERACEAE

Tetramolopium rocki Sherff var. *calcisabulorum* (H. St. John) Lowrey, Allertonia 4:
250. 1986. Verification: R.K. Shannon. Basionym: *Luteidiscus calcisabulorum* H. St.
John, Bot. Jahrb. Syst. 94: 550 1974. **Type:** Moloka`i, Mo`omomi, 1/2 mi. from the
beach, limestone sand dune. 23 January 1973. *Pekelo, Jr. 19*. **Holotype** [BISH]. Note:
Incorrectly published as collection date 22 Jan 1973.
Common name: no common name

FAMILY: CAMPANULACEAE

Brighamia rockii H. St. John., J. Linn. Soc., Bot. 62: 196 1969. **Type:** Moloka`i,
peninsula E of Wailau Valley, rock crevices. 50 m. 4 July 1933. *Fosberg 9643*.
Holotype [BISH]. Verification: Lammers, T.G. 1989. Syst. Bot. 14:133-138.
Common name: pua ala, älua, hähä

Cyanea dunbariae Rock., Monogr. Stud. Haw. Lobelioid. 265 1919. **Type:** Moloka`i, Wai`ale`ia Valley [in the deep ravine of Waihanau, along streambed]. 3000 ft. July 1918. *Rock 13119*. **Holotype** [BISH]. Isotype(s) [L]. Note: Epithet published as "dunbarii." Verification: T.G. Lammers.

Common name: hähä

Cyanea procera Hillebr., Fl. Hawaiian Isl. 262 1888. **Type:** Moloka`i, Kamalo`o. 2000 ft. 1851- 1871. *Hillebrand s.n.* **Lectotype** [GH]. Isolectotype(s) [K]. Lectotypified in Lammers. Taxon 43: 562. 1994. Note: **Holotype** (B) destroyed. Verification: T.G. Lammers.

Common name: hähä

FAMILY: CARYOPHYLLACEAE

Schiedea lydgatei Hillebr., Fl. Hawaiian Isl. 34 1888. **Type:** Moloka`i, Kalawao, near the sea (leper settlement). 1870. *Hillebrand s.n.* **Holotype** [B]. Isotype(s) [BISH!, GH [photo F]]. Verification: W.L. Wagner, S.G. Weller.

Common name: no common name

Schiedea pubescens Hillebr., Fl. Hawaiian Isl. 31 1888. **Type:** Moloka`i, Kala`e. 1870. *Hillebrand s.n.* **Lectotype** [GH]. Isolectotype(s) [B (now destroyed) photo BISH, BM, F photo F]. Lectotypified in Wagner & Weller. Syst. Bot. Verification: W.L. Wagner, S.G. Weller.

Common name: no common name

FAMILY: FABACEAE

Canavalia molokaiensis O. Deg., I. Deg. & J. D. Sauer, Fl. Hawaiiensis, fam. 169c. 1962. **Type:** Moloka`i, Kahuaawi Gulch, forest. 5 June 1928. *Degener 18031*. **Holotype** [UC]. Isotype(s) [A, DS, MO, NY [mfc], US] Verification: R.K. Shannon.

Common name: `äwikipiki, puakauhi, Moloka`i jack bean

FAMILY: GENTIANACEAE

Centaurium sebaeoides (Griseb.) Druce. Bot. Soc. Exch. Club Brit. Isles 4: 614. 1917. Basionym: *Schenkia sebaeoides* Griseb., Bonplandia 1: 226 1853. **Type:** O`ahu. *B. Seemann 2272*. **Holotype** [GOET}

Common name: `äwiwi

FAMILY: GOODENIACEAE

Scaevola coriacea Nutt., Trans. Amer. Philos. Soc. 8: 253 1843. **Type:** Kaua`i, near the sea. 1835. *Nuttall s.n.* **Holotype** [BM]. Note: St. John, *Rhodora* 87: 588. 1985, cites holotype of *S. coriacea* Nutt. ex Gray as at GH.

Common name: dwarf naupaka

FAMILY: LAMIACEAE

Phyllostegia hispida Hillebr., Fl. Hawaiian Isl. 353 1888. **Type:** Moloka`i, heights of Mopulehu. July 1870. *Hillebrand s.n.* **Holotype** [B]. Isotype(s) [MEL [photo BISH], US [possible]] Verification: Wagner, W.L. 1999. Novon 9:265-279.

Common name: no common name

Phyllostegia manni Sherff, Bot. Gaz. (Crawfordsville) 96: 136. 1934. Verification: Wagner, W.L. 1999. Novon 9:265-279. Basionym: *Stenogyne parviflora* H. Mann, Proc. Amer. Acad. Arts 7: 193 1867. **Type:** Maui, East Maui, Haleakala, [NW side]. 6000 to 7000 ft. 1864-1865. *Mann and Brigham 407*. **Holotype** [GH]. Isotype(s) [BISH! [2], MO, US] Verification: R.K. Shannon, W.L. Wagner.

Common name: no common name

FAMILY: MALVACEAE

Hibiscus arnottianus A. Gray subsp. *immaculatus* (M. J. Roe) D. M. Bates, in Wagner, Herbst & Sohmer, Bishop Mus. Occas. Pap. 29: 104. 1989. Verification: Wagner, W.L., D.R. Herbst, & S.H. Sohmer. 1989. Man. Fl. Pl. Hawai`i. 988pp. Basionym: *Hibiscus immaculatus* M. J. Roe, Pacific Sci. 15: 22 1961. **Type:** Moloka`i, Wailau Valley, pali of Oloku`i above Waiehu. September 1912. *Forbes 551.Mo*. **Holotype** [BISH]. Verification: Wagner, W.L., D.R. Herbst, & S.H. Sohmer. 1989. Man. Fl. Pl. Hawai`i. 988pp.

Common name: koki`o ke`oke`o, hau hele, koki`o kea, pāmakani

FAMILY: PITTOSPORACEAE

Pittosporum halophilum Rock. Coll. Hawaii Publ. Bull. 1: 16 1911. **Type:** Moloka`i, [between] Kalawao [and Waikolu, along beach on windward side of island, within spray of the sea]. 26 March 1910. *Rock and Nevin 6183*. **Lectotype** [BISH]. Isolectotype(s) [BISH!]. Lectotypified in Sherff. Field Mus. Nat. Hist., Bot. Ser. 22: 524. 1942. Verification: R.K. Shannon, W.L. Wagner; Haas, J.E. 1977. *Allertonia* 1:73-167.

Common name: hō`awa

FAMILY: POACEAE

Panicum fauriei Hitchc var. *carteri* (Hosaka) Davidse Ann. Missouri Bot. Gard. 77: 589. 1990. Basionym: *Panicum carteri* Hosaka, Occas. Pap. Bernice P. Bishop Mus. 17(5): 67. 1942. **Type:** O`ahu: Molokii Islaet, off coast of O`ahu, rocky ledge on north end of islet.10ft. *E. Y. Hosaka and M. Maneki 2611*. 6 November 1941. **Holotype** [BISH]. Isotype(s) [BISH, US]

Common name: no common name

FAMILY: PRIMULACEAE

Lysimachia maxima (R. Knuth) H. St. John. *Phytologia* 64: 47. 1987. Basionym:
Lysimachia hillebrandii Hook. f. ex A. Gray var. *maxima* R. Knuth, in Pax & Knuth,
Pflanzenr. IV. 237 (Heft 22): 310 1905. **Type:** Moloka`i: pali of Pelekunu mts.. 1851-
1871. *W. Hillebrand s.n.* **Holotype** [B].

Common name: no common name

FAMILY: RANUNCULACEAE

Ranunculus mauiensis A. Gray , U. S. Expl. Exped., Phan. 11 1854. Maui *U. S. Expl.*
Exped. s.n. Isotype(s) [NY].

Common name: makou, `awa Kanaloa, buttercup, crowfoot

FAMILY: RUBIACEAE

Hedyotis manni Fosberg, Bernice P. Bishop Mus. Bull. 174: 49. 1943. Verification: R.K.
Shannon, W.L. Wagner. Basionym: *Kadua laxiflora* H. Mann, Proc. Amer. Acad.
Arts 7: 171 1867. **Type:** Maui, West Maui, Wailuku Valley. 1864- 1865. *Mann and*
Brigham 422. **Holotype** [BISH]. Isotype(s) [BISH!]. Verification: R.K. Shannon,
W.L. Wagner.

Common name: pilo

FAMILY: RUTACEAE

Zanthoxylum hawaiiense Hillebr. , Fl. Hawaiian Isl. 76 1888. **Type:** Hawai`i, central
plateau. 5000 to 6000 ft. 1851- 1871. *Hillebrand s.n.* **Holotype** [B]. Isotype(s)
[BISH!]. Verification: R.K. Shannon, W.L. Wagner.

Common name: a`e, mänele, hea`e

APPENDIX 1: UNCOLLECTED PARK RECORDS

Superfamily	Family	FullLatin	Common Name	Status
Dicot	Amaranthaceae	<i>Nototrichium sandwicense</i>	kulu'i	end
Dicot	Asteraceae	<i>Adenostemma viscosum</i>	Kāmanamana	ind
Dicot	Asteraceae	<i>Cirsium vulgare</i>	bull thistle, pua kala	nat
Dicot	Asteraceae	<i>Dubautia linearis</i> ssp. <i>opposita</i>	na'ena'e, kūpaoa	end
Dicot	Asteraceae	<i>Elephantopus mollis</i>	elephant's-foot	nat
Dicot	Asteraceae	<i>Erechtites hieracifolia</i>	Fireweed	nat
Dicot	Asteraceae	<i>Melanthera integrifolia</i>	Nehe	end
Dicot	Asteraceae	<i>Pluchea xfosbergii</i>	Indian fleabane, Indian pluchea, marsh fleabane	nat
Dicot	Asteraceae	<i>Pseudognaphalium sandwicense</i> var. <i>sandwicense</i>	'ena'ena, pūheu (Ni'ihau)	end
Dicot	Asteraceae	<i>Reichardia picroides</i>		nat
Dicot	Asteraceae	<i>Tetramolopium rockii</i> var. <i>rockii</i>		end
Dicot	Brassicaceae	<i>Cardamine flexuosa</i>	Bittercress	nat
Dicot	Cactaceae	<i>Opuntia ficus-indica</i>	pānini, pāpipi	nat
Dicot	Campanulaceae	<i>Clermontia arborescens</i> ssp. <i>waikoluensis</i>	'ōhā wai nui, 'ōhā wai, 'ōhā, hāhā	end
Dicot	Campanulaceae	<i>Clermontia grandiflora</i> ssp. <i>munroi</i>	'ōhā wai, 'ōhā, hāhā	end
Dicot	Campanulaceae	<i>Cyanea angustifolia</i>	Hāhā	end
Dicot	Campanulaceae	<i>Cyanea solanacea</i>	pōpolo, hāhā nui, hāhā	end
Dicot	Campanulaceae	<i>Lobelia gloria-montis</i>		end
Dicot	Campanulaceae	<i>Lobelia hypoleuca</i>	kuhi'aikamo'owahie, liua, mo'owahie, 'ōpelu	end
Dicot	Caryophyllaceae	<i>Stellaria media</i>		nat
Dicot	Chenopodiaceae	<i>Chenopodium murale</i>	goosefoot, pigweed, lamb's quarters, 'āheahea	nat
Dicot	Chenopodiaceae	<i>Chenopodium oahuense</i>	'āheahea, 'ahea, 'āhewahewa, alaweo, alaweo huna	end
Dicot	Convolvulaceae	<i>Ipomoea tuboides</i>	Hawaiian moon flower	end
Dicot	Euphorbiaceae	<i>Chamaesyce multiformis</i> var. <i>microphylla</i>	'akoko, koko, 'ekoko, kōkōmälei	end
Dicot	Euphorbiaceae	<i>Euphorbia cyathophora</i>	Mexican fire plant, wild poinsettia	nat
Dicot	Euphorbiaceae	<i>Phyllanthus distichus</i>		end
Dicot	Fabaceae	<i>Crotalaria incana</i>	fuzzy rattlepod, kūkaehoki, kolomona (Ni'ihau)	nat
Dicot	Fabaceae	<i>Desmodium sandwicense</i>	Spanish clover, chili clover, pua pilipili, kikāni	nat
Dicot	Fabaceae	<i>Desmodium tortuosum</i>	Florida beggarweed	nat
Dicot	Fabaceae	<i>Haematoxylum campechianum</i>	logwood, bloodwood tree, campeachy wood	nat
Dicot	Fabaceae	<i>Samanea saman</i>	monkeypod, rain tree, 'ohai, pū 'ohai	nat
Dicot	Fabaceae	<i>Senna septemtrionalis</i>	kolomona, kalamona	nat
Dicot	Fabaceae	<i>Tephrosia purpurea</i> var. <i>purpurea</i>	'auhuhu, auhuhu, 'auhola, hola	pol
Dicot	Gentianaceae	<i>Centaurium erythraea</i> ssp. <i>erythraea</i>	bitter herb, European centauray	nat
Dicot	Gentianaceae	<i>Centaurium sebaeoides</i>	'āwiwi	end
Dicot	Gesneriaceae	<i>Cyrtandra grayi</i>	ha'iwale, kanawao ke'oke'o	end
Dicot	Gunneraceae	<i>Gunnera petaloidea</i>	'ape'ape, 'ape, hāhā (Kaua'i)	end
Dicot	Lamiaceae	<i>Phyllostegia glabra</i> var. <i>glabra</i>	Ulihi	end
Dicot	Loganiaceae	<i>Labordia hedyosmifolia</i>	Kāmakahala	end
Dicot	Myrtaceae	<i>Eucalyptus robusta</i>	swamp mahogany	nat
Dicot	Myrtaceae	<i>Syzygium jambos</i>	rose apple, 'ōhi'a loke	nat
Dicot	Nyctaginaceae	<i>Mirabilis jalapa</i>	four-o'clock, marvel of Peru, nani ahiahi, pua ahi	nat
Dicot	Nyctaginaceae	<i>Pisonia sandwicensis</i>	āulu, kaulu (Kaua'i), pāpala kēpau, pāpala	end
Dicot	Oleaceae	<i>Fraxinus uhdei</i>	tropical ash	nat
Dicot	Phytolaccaceae	<i>Phytolacca sandwicensis</i>	pōpolo kū mai, pōpolo	end
Dicot	Piperaceae	<i>Peperomia expallescens</i>	'ala'ala wai nui	end
Dicot	Piperaceae	<i>Peperomia mauiensis</i>	'ala'ala wai nui	end
Dicot	Piperaceae	<i>Peperomia sandwicensis</i>	'ala'ala wai nui	end
Dicot	Piperaceae	<i>Piper methysticum</i>	'awa, pū'awa, kava	pol
Dicot	Pittosporaceae	<i>Pittosporum argentifolium</i>		end
Dicot	Polygonaceae	<i>Persicaria glabra</i>	knotweed, smartweed, kāmole	nat?
Dicot	Polygonaceae	<i>Rumex crispus</i>	curly dock, yellow dock	nat

Appendix 1, continued.

Superfamily	Family	FullLatin	Common Name	Status
Dicot	Polygonaceae	<i>Rumex giganteus</i>	pāwale, uhauhakō	end
Dicot	Portulacaceae	<i>Portulaca lutea</i>	'ihi	ind
Dicot	Primulaceae	<i>Lysimachia remyi</i>		end
Dicot	Rosaceae	<i>Rubus argutus</i>	prickly Florida blackberry, 'ōhelo 'ele'ele	nat
Dicot	Rubiaceae	<i>Hedyotis centranthoides</i>		end
Dicot	Rubiaceae	<i>Psychotria hawaiiensis</i> var. <i>hillebrandii</i>	kōpiko 'ula, 'ōpiko	end
Dicot	Santalaceae	<i>Exocarpos gaudichaudii</i>	hulumoa, kaumahana, heau, au	end
Dicot	Sapotaceae	<i>Nesoluma polynesianum</i>	Keahi	ind
Dicot	Solanaceae	<i>Physalis peruviana</i>	Cape gooseberry, pohā, pa'ina (Hawai'i)	nat
Dicot	Solanaceae	<i>Solanum linnaeanum</i>	apple of Sodom, yellow-fruited pōpolo, thorny pōpo	nat
Dicot	Tiliaceae	<i>Triumfetta rhomboidea</i>	bur bush	nat
Dicot	Verbenaceae	<i>Verbena litoralis</i>	vervain, ōwī, oi, ha'uoi (Ni'ihau), ha'uōwī (Ni'ih	nat
Monocot	Araceae	<i>Colocasia esculenta</i>	kalo, taro	pol
Monocot	Arecaceae	<i>Pritchardia hillebrandii</i>	loulu lelo, loulu	end
Monocot	Cyperaceae	<i>Carex alligata</i>		end
Monocot	Cyperaceae	<i>Cyperus haspan</i>		nat
Monocot	Cyperaceae	<i>Eleocharis obtusa</i>	kohekohe, pīpīwai, spikerush	ind
Monocot	Cyperaceae	<i>Gahnia beecheyi</i>		end
Monocot	Cyperaceae	<i>Kyllinga nemoralis</i>	kili'o'opu, mau'u mokae	nat
Monocot	Dioscoreaceae	<i>Dioscorea pentaphylla</i>	pi'a, pi'a Hawai'i, pi'ia	pol
Monocot	Juncaceae	<i>Luzula hawaiiensis</i> var. <i>glabrata</i>	wood rush	end
Monocot	Lemnaceae	<i>Lemna aequinoctialis</i>	Duckweed	nat?
Monocot	Liliaceae	<i>Dianella sandwicensis</i>	'uki'uki, 'uki	ind
Monocot	Musaceae	<i>Musa troglodytarum</i>	mai'a, banana	pol
Monocot	Orchidaceae	<i>Anoectochilus sandwicensis</i>	jewel orchid	end
Monocot	Poaceae	<i>Briza minor</i>	little quaking grass	nat
Monocot	Poaceae	<i>Cenchrus ciliaris</i>	Buffelgrass	nat
Monocot	Poaceae	<i>Deschampsia nubigena</i>	Hairgrass	end
Monocot	Poaceae	<i>Echinochloa crus-galli</i>	barnyard grass	nat
Monocot	Poaceae	<i>Eragrostis brownei</i>	Sheepgrass	nat
Monocot	Poaceae	<i>Eragrostis grandis</i>	Lovegrass	end
Monocot	Poaceae	<i>Eragrostis variabilis</i>	kāwelu, 'emoloa, kalamälö	end
Monocot	Poaceae	<i>Hyparrhenia rufa</i>		nat
Monocot	Poaceae	<i>Panicum nephelophilum</i>	Konakona	end
Monocot	Poaceae	<i>Panicum torridum</i>	kākonakona, hākonakona (Ni'ihau)	end
Monocot	Poaceae	<i>Paspalum urvillei</i>	vasey grass	nat
Monocot	Zingiberaceae	<i>Hedychium flavescens</i>	yellow ginger, yellow ginger lily, cream ginger, '	nat
Monocot	Zingiberaceae	<i>Zingiber zerumbet</i>	'awapuhi, 'awapuhi kuahiwi, 'ōpuhi, shampoo ginger	pol
Pteridophyte	Aspleniaceae	<i>Asplenium adiantum-nigrum</i>		ind
Pteridophyte	Aspleniaceae	<i>Asplenium excisum</i>	Pāmoho	ind
Pteridophyte	Aspleniaceae	<i>Asplenium normale</i>		ind
Pteridophyte	Aspleniaceae	<i>Asplenium unilaterale</i>	Pāmoho	ind
Pteridophyte	Athyriaceae	<i>Deparia fenziiana</i>		end
Pteridophyte	Athyriaceae	<i>Deparia prolifera</i>		end
Pteridophyte	Blechnaceae	<i>Sadleria cyatheoides</i>	'ama'u, ma'u, ma'uma'u, pua'a 'ehu'ehu, 'ama'uma'u	end
Pteridophyte	Blechnaceae	<i>Sadleria souleyetiana</i>	'ama'u, ma'u, ma'uma'u, pua'a 'ehu'ehu, 'ama'uma'u	end
Pteridophyte	Dicksoniaceae	<i>Cibotium chamissoi</i>	hāpu'u	end
Pteridophyte	Dicksoniaceae	<i>Cibotium glaucum</i>	hāpu'u, hāpu'u pulu	end
Pteridophyte	Dicksoniaceae	<i>Cibotium menziesii</i>	hāpu'u 'i'i, 'i'i, 'i'i'i	end
Pteridophyte	Dryopteridaceae	<i>Dryopteris crinalis</i> var. <i>crinalis</i>	palapalai 'aumakua	end
Pteridophyte	Dryopteridaceae	<i>Dryopteris fusco-atra</i> var. <i>fusco-atra</i>	'i'i	end
Pteridophyte	Dryopteridaceae	<i>Dryopteris glabra</i> var. <i>glabra</i>	Kilau, hohiu	end
Pteridophyte	Dryopteridaceae	<i>Dryopteris glabra</i> var. <i>nuda</i>	Kilau, hohiu	end
Pteridophyte	Dryopteridaceae	<i>Dryopteris mauiensis</i>		end

Appendix 1, continued.

Superfamily	Family	FullLatin	Common Name	Status
Pteridophyte	Dryopteridaceae	<i>Dryopteris wallichiana</i>	'i'o nui, laukahi	ind
Pteridophyte	Dryopteridaceae	<i>Nothoperanema rubiginosa</i>		end
Pteridophyte	Dryopteridaceae	<i>Tectaria gaudichaudii</i>	'iwa'iwa lau nui	end
Pteridophyte	Gleicheniaceae	<i>Diplazium pinnatum</i>	uluhe lau nui	end
Pteridophyte	Gleicheniaceae	<i>Sticherus owbyhensis</i>	uluhe, unuhe	end
Pteridophyte	Grammitidaceae	<i>Adenophorus hymenophylloides</i>	pai, palai huna	end
Pteridophyte	Grammitidaceae	<i>Adenophorus pinnatifidus</i> var. <i>pinnatifidus</i>		end
Pteridophyte	Grammitidaceae	<i>Adenophorus pinnatifidus</i> var. <i>rockii</i>		end
Pteridophyte	Hymenophyllaceae	<i>Vandenboschia cyrtotheca</i>		end
Pteridophyte	Lomariopsidaceae	<i>Elaphoglossum aemulum</i>	'ëkaha, 'opeha, laukahi nunui	end
Pteridophyte	Polypodiaceae	<i>Phlebodium aureum</i>	laua'e haole, rabbit's-foot fern, golden polypody	nat
Pteridophyte	Pteridaceae	<i>Adiantum hispidulum</i>	rough maidenhair fern	nat
Pteridophyte	Pteridaceae	<i>Coniogramme pilosa</i>	lo'ulu	end
Pteridophyte	Pteridaceae	<i>Pityrogramma austroamericana</i>	goldfern, goldback fern	nat
Pteridophyte	Pteridaceae	<i>Pityrogramma calomelanos</i>	silverfern, silverback fern	nat
Pteridophyte	Pteridaceae	<i>Pteris excelsa</i>	waimakanui, 'iwa	ind
Pteridophyte	Thelypteridaceae	<i>Amauropelta globulifera</i>	palapalai a Kamapua'a	end
Pteridophyte	Thelypteridaceae	<i>Christella cyatheoides</i>	kikawaiö, kikawaioa, pakikawaiö	end
Pteridophyte	Thelypteridaceae	<i>Cyclosorus interruptus</i>	Neke	ind
Pteridophyte	Thelypteridaceae	<i>Pseudophegopteris keraudreniana</i>	waimakanui, 'äkõlea, ala'alai	end