

**Family Asteraceae: *Lipochaeta waimeensis* (nehe)**

Kauai G, identified in the legal description in (a)(1)(i)(A), constitutes critical habitat for *Lipochaeta waimeensis* on Kauai. Within this unit, the currently known primary constituent elements of critical habitat are the habitat components provided by:

(1) Precipitous, shrub-covered gulches in diverse lowland forest and containing one or more of the following associated native plant species: *Artemisia australis*, *Chamaesyce celastroides*, *Dodonaea viscosa*, *Lipochaeta connata*, *Santalum ellipticum*, *Schiedea spergulina*, or *Panicum* spp.; and

(2) Elevations between 44 and 460 m (145 and 1,509 ft).

**Family Asteraceae: *Remya kauaiensis* (NCN)**

Kauai I, and O, identified in the legal descriptions in (a)(1)(i)(A), constitute critical habitat for *Remya kauaiensis* on Kauai. Within these units, the currently known primary constituent elements of critical habitat are the habitat components provided by:

(1) Steep, north or northeast facing slopes in *Acacia koa*-*Metrosideros polymorpha* lowland mesic forest and containing one or more of the following associated native plant species: *Chamaesyce* spp., *Claoxylon sandwicense*, *Dianella sandwicensis*, *Diospyros* spp., *Dodonaea viscosa*, *Hedyotis terminalis*, *Melicope* spp., *Nestegis sandwicensis*, *Pouteria sandwicensis*, *Psychotria* spp., *Schiedea* spp., *Tetraplasandra* spp.; and

(2) Elevations between 560 and 1,247 m (1,836 and 4,090 ft).

**Family Asteraceae: *Remya montgomeryi* (NCN)**

Kauai I, J, and O, identified in the legal descriptions in (a)(1)(i)(A), constitute critical habitat for *Remya montgomeryi* on Kauai. Within these units, the currently known primary constituent elements of critical habitat are the habitat components provided by:

(1) steep, north or northeast-facing slopes or cliffs in transitional wet or *Metrosideros polymorpha* dominated mixed mesic forest and containing one or more of the following associated native plant species: *Artemisia australis*, *Bohea* spp., *Boehmeria grandis*, *Cheirodendron* spp., *Claoxylon sandwicense*, *Cyrtandra* spp., *Dubautia* spp., *Ilex anomala*, *Lepidium serra*, *Lysimachia* spp., *Myrsine linearifolia*, *Nototrichium* spp., *Pleomele aurea*, *Poa mannii*, *Sadleria* spp., *Scaevola* spp., *Stenogyne campanulata*, *Tetraplasandra* spp., or *Zanthoxylum dipetalum*; and

(2) Elevations between 336 and 1,345 m (1,102 and 4,411 ft).

**Family Asteraceae: *Wilkesia hobbdi* (dwarf iliau)**

Kauai I, identified in the legal description in (a)(1)(i)(A), constitute critical habitat for *Wilkesia hobbdi* on Kauai. Within these units, the currently known primary constituent elements of critical habitat are the habitat components provided by:

(1) Coastal dry cliffs or very dry ridges containing one or more of the following associated native plant species: *Artemisia australis*, *Dodonaea viscosa*, *Eragrostis variabilis*, *Hibiscus kokio* ssp. *saint johnianus*, *Lipochaeta connata*, *Lobelia niihauensis*, *Myoporum sandwicense*, *Peperomia blanda*, *Peperomia leptostachya*, *Peperomia tetraphylla*, *Peucedanum sandwicense*, *Psydrax odoratum*, *Sida fallax*, *Waltheria indica*, or *Wilkesia gymnoxiphium*; and

(2) Elevations between 12 and 685 m (40 and 2,246 ft).

**Family Campanulaceae: *Brighamia insignis* (o'lulu)**

Kauai C, E, I, and J, identified in the legal descriptions in (a)(1)(i)(A), and Niihau A, identified in the legal descriptions in (a)(1)(i)(B), constitute critical habitat for *Brighamia insignis* on Kauai and Niihau. Within these units, the currently known primary constituent elements of critical habitat are the habitat components provided by:

(1) Rocky ledges with little soil or steep sea cliffs in lowland dry grasslands or shrublands with annual rainfall that is usually less than 170 cm (65 in.) and containing one or more of the following native plant species: *Artemisia australis*, *Chamaesyce celastroides*, *Eragrostis variabilis*, *Heteropogon contortus*, *Hibiscus kokio*, *Hibiscus kokio* ssp. *saintjohnianus*, *Lepidium serra*, *Lipochaeta succulenta*, *Munroidendron racemosum*, or *Sida fallax*; and

(2) Elevations between 0 and 748 m (0 and 2,453 ft).

**Family Campanulaceae: *Cyanea asarifolia* (haha)**

Kauai M and N, identified in the legal descriptions in (a)(1)(i)(A), constitute critical habitat for *Cyanea asarifolia* on Kauai. Within these units, the currently known primary constituent elements of critical habitat are the habitat components provided by:

(1) Pockets of soil on sheer wet rock cliffs and waterfalls in lowland wet forests and containing one or more of the following native plant species: ferns, *Bidens* spp., *Dubautia plantaginea*,

*Hedyotis centranthoides*, *Hedyotis elatior*, *Lysimachia filifolia*, *Machaerina angustifolia*, *Metrosideros polymorpha*, or *Panicum lineale*; and

(2) Elevations between 182 and 1212 m (597 and 3,976 ft).

**Family Campanulaceae: *Cyanea recta* (haha)**

Kauai I, J, K, L, M, N, and O, identified in the legal descriptions in (a)(1)(i)(A), constitute critical habitat for *Cyanea recta* on Kauai. Within these units, the currently known primary constituent elements of critical habitat are the habitat components provided by:

(1) Gulches or slopes in lowland wet or mesic *Metrosideros polymorpha* forest or shrubland and containing one or more of the following native plant species: *Dicranopteris linearis*, *Psychotria* spp., *Antidesma* spp., *Cheirodendron platyphyllum*, *Cibotium* spp., or *Diplazium* spp.; and

(2) Elevations between 234 and 1,406 m (768 and 4,613 ft).

**Family Campanulaceae: *Cyanea remyi* (haha)**

Kauai I, J, K, L, M, and N, identified in the legal descriptions in (a)(1)(i)(A), constitute critical habitat for *Cyanea remyi* on Kauai. Within these units, the currently known primary constituent elements of critical habitat are the habitat components provided by:

(1) Tight drainages and seepy stream banks in lowland wet forest or shrubland and containing one or more of the following native plant species: various grammitid and filmy ferns, *Adenophorus* spp., *Antidesma* spp., *Cheirodendron* spp., *Cyrtandra* spp., *Diplazium sandwichianum*, *Eragrostis grandis*, *Bidens* spp., *Broussaisia arguta*, *Metrosideros polymorpha*, *Freycinetia arborea*, *Hedyotis terminalis*, *Machaerina angustifolia*, *Perrottetia sandwicensis*, *Pipturus* spp., *Psychotria hexandra*, *Syzygium sandwicensis*, *Thelypteris* spp., *Touchardia* spp., or *Urera glabra*; and

(2) Elevations between 215 and 1,167 m (704 and 3,829 ft).

**Family Campanulaceae: *Cyanea undulata* (haha)**

Kauai N, identified in the legal description in (a)(1)(i)(A), constitutes critical habitat for *Cyanea undulata* on Kauai. Within this unit, the currently known primary constituent elements of critical habitat are the habitat components provided by:

(1) Tight drainages and seepy stream banks in *Metrosideros polymorpha* dry to montane wet forest or shrubland and containing one or more of the following associated native species: various

grammitid and filmy ferns, *Adenophorus* spp., *Antidesma* spp., *Broussaisia arguta*, *Cheirodendron* spp., *Diplazium sandwichianum*, *Dryopteris glabra*, *Eragrostis grandis*, *Bidens* spp., *Freycinetia arborea*, *Machaerina angustifolia*, *Mariscus* spp., *Melicope feddei*, *Perrottetia sandwicensis*, *Pipturus* spp., *Psychotria mariniana*, *Psychotria hexandra*, *Sadleria pallida*, *Sadleria squarrosa*, *Smilax melastomifolia*, *Sphenomeris chinensis*, *Syzygium sandwicensis*, or *Thelypteris* spp.; and

(2) Elevations between 145 and 1,066 m (476 and 3,497 ft).

**Family Campanulaceae: *Delissea rhytidosperma* (no common name)**

Kauai E, and I, identified in the legal descriptions in (a)(1)(i)(A), constitute critical habitat for *Delissea rhytidosperma* on Kauai. Within these units, the currently known primary constituent elements of critical habitat are the habitat components provided by:

(1) Well-drained soils with medium or fine-textured subsoil in *Diospyros* diverse lowland mesic or diverse *Metrosideros polymorpha*-*Acacia koa* forests and containing one or more of the following native species: grammitid ferns, *Adenophorus oligadenus*, *Cyanea* spp., *Dianella sandwicensis*, *Diospyros sandwicensis*, *Dodonaea viscosa*, *Doodia kunthiana*, *Euphorbia haeleleana*, *Hedyotis* spp., *Microlepia strigosa*, *Nestegis sandwicensis*, *Psychotria hobbyi*, *Pisonia* spp., *Pteralyxia* spp., or *Styphelia tameiameia*; and

(2) Elevations between 167 and 895 m (547 and 2,935 ft).

**Family Campanulaceae: *Delissea rivularis* (oha)**

Kauai I, J, N, and O, identified in the legal descriptions in (a)(1)(i)(A), constitutes critical habitat for *Delissea rivularis* on Kauai. Within these units, the currently known primary constituent elements of critical habitat are the habitat components provided by:

(1) Steep slopes near streams in *Metrosideros polymorpha*-*Cheirodendron trigynum* montane wet or mesic forest and containing one or more of the following native plant species: *Boehmeria grandis*, *Broussaisia arguta*, *Carex* spp., *Coprosma* spp., *Dubautia knudsenii*, *Diplazium sandwichianum*, *Hedyotis foggiana*, *Ilex anomala*, *Machaerina angustifolia*, *Melicope clusiifolia*, *Melicope anisata*, *Pipturus* spp., *Psychotria hexandra*, or *Sadleria* spp.; and

(2) Elevations between 722 and 1,306 m (2,370 and 4,286 ft).

**Family Campanulaceae: *Delissea undulata* (NCN)**

Kauai I and J, identified in the legal descriptions in (a)(1)(i)(A), constitutes critical habitat for *Delissea undulata* on Kauai. Within these units, the currently known primary constituent elements of critical habitat are the habitat components provided by:

(1) Dry or open *Acacia koa*-*Metrosideros polymorpha* mesic forests or *Alphitonia ponderosa* montane forest containing one or more of the following native plant species: *Diospyros sandwicensis*, *Dodonaea viscosa*, *Doodia kunthiana*, *Eragrostis variabilis*, *Euphorbia haeleleana*, *Kokia kauaiensis*, *Microlepia strigosa*, *Panicum* spp., *Pleomele aurea*, *Psychotria mariniana*, *P. greenwelliae*, *Santalum ellipticum*; and

(2) Elevations between 139 and 1,006m (456 and 3,299 ft).

**Family Campanulaceae: *Lobelia niihauensis* (NCN)**

Kauai C, I, J, and O, identified in the legal descriptions in (a)(1)(i)(A), constitute critical habitat for *Lobelia niihauensis* on Kauai. Within these units, the currently known primary constituent elements of critical habitat are the habitat components provided by:

(1) Exposed mesic mixed shrubland or coastal dry cliffs containing one or more of the following associated native plant species: *Artemisia australis*, *Bidens sandwicensis*, *Chamaesyce celastroides*, *Charpentiera* spp., *Eragrostis variabilis*, *Hibiscus kokio* ssp. *saint-johnianus*, *Lipochaeta connata* var. *acris*, *Lythrum* spp., *Nototrichium* spp., *Plectranthus parviflorus*, *Schiedea apokremnos*, or *Wilkesia hobbyi*; and

(2) Elevations between 11 and 887 m (37 and 2,911 ft).

**Family Caryophyllaceae: *Alsinidendron lychnoides* (kuawawaenuhu)**

Kauai I, J, K and O, identified in the legal descriptions in (a)(1)(i)(A), constitute critical habitat for *Alsinidendron lychnoides* on Kauai. Within these units, the currently known primary constituent elements of critical habitat are the habitat components provided by:

(1) steep riparian clay or silty soil banks in montane wet forests dominated by *Metrosideros polymorpha* and *Cheirodendron* spp., or by *Metrosideros polymorpha* and *Dicranopteris linearis* and containing one or more of the following native plant species: *Asplenium* spp., *Astelia* spp., *Broussaisia arguta*, *Carex* spp., *Cyrtandra* spp., *Diplazium*

*sandwichianum*, *Elaphoglossum* spp., *Hedyotis terminalis*, *Machaerina* spp., *Peperomia* spp., or *Vaccinium* spp.; and  
(2) Elevations between 878 and 1,344 m (2,715 and 4,408 ft).

**Family Caryophyllaceae: *Alsinidendron viscosum* (NCN)**

Kauai O, identified in the legal description in (a)(1)(i)(A), constitutes critical habitat for *Alsinidendron viscosum* on Kauai. Within this unit, the currently known primary constituent elements of critical habitat are the habitat components provided by:

(1) steep slopes in *Acacia koa*-*Metrosideros polymorpha* lowland, montane mesic forest and containing one or more of the following native plant species: *Alyxia oliviformis*, *Asplenium polydon*, *Bidens cosmoides*, *Bobea* spp., *Carex meyenii*, *Carex wahuensis*, *Coprosma* spp., *Dryopteris unidentata*, *Dryopteris glabra*, *Dodonaea viscosa*, *Dubautia laevigata*, *Dianella sandwicensis*, *Dryopteris wallichiana*, *Doodia kunthiana*, *Gahnia* spp., *Ilex anomala*, *Melicope* spp., *Panicum nephelophilum*, *Pteridium aquilinum* var. *decompositum*, *Pleomele* spp., *Psychotria* spp., *Schiedea stellarioides*, or *Vaccinium dentatum*; and

(2) Elevations between 754 and 1,224 m (2,474 and 4,016 ft).

**Family Caryophyllaceae: *Schiedea apokremnos* (maolioli)**

Kauai I, identified in the legal description in (a)(1)(i)(A), constitute critical habitat for *Schiedea apokremnos* on Kauai. Within this unit, the currently known primary constituent elements of critical habitat are the habitat components provided by:

(1) Crevices of near-vertical basalt coastal cliff faces in sparse dry coastal cliff shrub vegetation and containing one or more of the following associated native plant species: *Artemisia australis*, *Bidens* spp., *Carex meyenii*, *Chamaesyce celastroides*, *Eragrostis variabilis*, *Lepidium serra*, *Lipochaeta connata*, *Lobelia niihauensis*, *Myoporum sandwicense*, *Peperomia* spp., *Pleomele aurea*, *Psydrax odoratum*, or *Wilkesia* spp.; and

(2) Elevations between 12 and 391 m (40 and 1,283 ft).

**Family Caryophyllaceae: *Schiedea helleri* (NCN)**

Kauai O, identified in the legal description in (a)(1)(i)(A), constitutes critical habitat for *Schiedea helleri* on Kauai. Within this unit, the currently known primary constituent elements of critical habitat are the habitat components provided by:

(1) Ridges and steep cliffs in closed *Metrosideros polymorpha-Dicranopteris linearis* montane wet forest, *M. polymorpha-Cheirodendron* spp. montane wet forest, or *Acacia koa-M. polymorpha* montane mesic forest and containing one or more of the following associated native plant species: *Broussaisia arguta*, *Cheirodendron* spp., *Cibotium* spp., *Cyanea* spp., *Dianella sandwicensis*, *Dubautia* spp., *Elaeocarpus bifidus*, *Hedyotis terminalis*, *Melicope* spp., *Myrsine* spp., *Poa sandwicensis*, *Scaevola procera*, *Syzygium sandwicensis*, or *Viola wailenaleanae*; and

(2) Elevations between 941 and 1,223 m (3,088 and 4,011 ft).

**Family Caryophyllaceae: *Schiedea kauaiensis* (NCN)**

Kauai I, J, and O, identified in the legal descriptions in (a)(1)(i)(A), constitutes critical habitat for *Schiedea kauaiensis* on Kauai. Within these units, the currently known primary constituent elements of critical habitat are the habitat components provided by:

(1) Steep slopes in diverse mesic to wet *Acacia koa-Metrosideros polymorpha* forest and containing one or more of the following associated plant species: *Alphitonia ponderosa*, *Cryptocarya mannii*, *Diospyros* spp., *Dodonaea viscosa*, *Euphorbia haeleleana*, *Exocarpos luteolus*, *Microlepia strigosa*, *Nestegis sandwicensis*, *Pisonia* spp., *Peucedanum sandwicense*, *Psychotria* spp., *Psydrax odoratum*, or *Styphelia tameiameiae*; and

(2) Elevations between 192 and 4,232 m (631 and 4,232 ft).

**Family Caryophyllaceae: *Schiedea membranacea* (NCN)**

Kauai I, J, K, and O, identified in the legal descriptions in (a)(1)(i)(A), constitute critical habitat for *Schiedea membranacea* on Kauai. Within these units, the currently known primary constituent elements of critical habitat are the habitat components provided by:

(1) Cliffs or cliff bases of mesic or wet habitats, in lowland, or montane shrubland, or forest communities dominated by *Acacia koa*, *Pipturus* spp. and *Metrosideros polymorpha* or Urticaceae shrubland on talus slopes and containing one or more of the following associated native plant species: *Alphitonia ponderosa*, *Alyxia oliviformis*, *Asplenium* spp., *Athyrium sandwicensis*, *Bohea brevipes*, *Boehmeria grandis*, *Cyrtandra* spp., *Diplazium sandwichianum*, *Dodonaea viscosa*, *Eragrostis variabilis*, *Hedyotis terminalis*, *Hibiscus waimeae*, *Joinvillea ascendens* ssp. *ascendens*, *Labordia*

*helleri*, *Lepidium serra*, *Lysimachia kalalauensis*, *Machaerina angustifolia*, *Mariscus pennatifolius*, *Melicope* spp., *Myrsine* spp., *Perrottetia sandwicensis*, *Pisonia* spp., *Pleomele aurea*, *Poa mannii*, *Poa sandwicensis*, *Pouteria sandwicensis*, *Psychotria* spp., *Psydrax odoratum*, *Remya kauaiensis*, *Sadleria cyatheoides*, *Scaevola procera*, *Thelypteris cyatheoides*, *Thelypteris sandwicensis*, or *Touchardia latifolia*; and

(2) Elevations between 423 and 1,205 m (1,386 and 3,953 ft).

**Family Caryophyllaceae: *Schiedea nuttallii* (NCN)**

Kauai E, identified in the legal description in (a)(1)(i)(A), constitutes critical habitat for *Schiedea nuttallii* on Kauai. Within this unit, the currently known primary constituent elements of critical habitat are the habitat components provided by:

(1) Cliffs in lowland diverse mesic forest dominated by *Metrosideros polymorpha* and containing one or more of the following associated native plant species: *Antidesma platyphyllum* var. *hillebrandii*, *Bidens valida*, *Chamaesyce celastroides*, *Eragrostis variabilis*, *Hedyotis acuminata*, *Hedyotis fluviatilis*, *Heteropogon contortus*, *Lepidium* spp., *Lobelia niihauensis*, *Psychotria* spp., *Perrottetia sandwicensis*, or *Pisonia* spp.; and

(2) Elevations between 33 and 702 m (120 and 2,303 ft).

**Family Caryophyllaceae: *Schiedea spergulina* var. *leiopoda* (NCN)**

Kauai F, identified in the legal description in (a)(1)(i)(A), constitutes critical habitat for *Schiedea spergulina* var. *leiopoda* on Kauai. Within this unit, the currently known primary constituent elements of critical habitat are the habitat components provided by:

(1) Bare rock outcrops or sparsely vegetated portions of rocky cliff faces or cliff bases in diverse lowland dry to mesic forests and containing one or more of the following native plant species: *Acacia koa*, *Artemisia australis*, *Bidens sandwicensis*, *Carex meyenii*, *Chamaesyce celastroides*, *Dianella sandwicensis*, *Doryopteris* spp., *Eragrostis variabilis*, *Erythrina sandwicensis*, *Gahnia* spp., *Heliotropium* spp., *Lepidium serra*, *Lipochaeta connata*, *Microlepia strigosa*, *Nestegis sandwicensis*, *Nototrichium sandwicense*, *Panicum lineale*, *Panicum violascens*, *Peucedanum sandwicense*, or *Wilkesia gymnoxiphium*; and

(2) Elevations between 21 and 87 m (69 and 284 ft).

**Family Caryophyllaceae: *Schiedea spergulina* var. *spergulina* (NCN)**

Kauai G, I, and O, identified in the legal descriptions in (a)(1)(i)(A), constitute critical habitat for *Schiedea spergulina* var. *spergulina* on Kauai. Within these units, the currently known primary constituent elements of critical habitat are the habitat components provided by:

(1) Bare rock outcrops or sparsely vegetated portions of rocky cliff faces or cliff bases in diverse lowland dry to mesic forests and containing one or more of the following associated plant species: *Acacia koa*, *Artemisia australis*, *Bidens sandwicensis*, *Carex meyenii*, *Chamaesyce celastroides*, *Dianella sandwicensis*, *Doryopteris* spp., *Eragrostis variabilis*, *Erythrina sandwicensis*, *Gahnia* spp., *Heliotropium* spp., *Lepidium serra*, *Lipochaeta connata*, *Microlepia strigosa*, *Nestegis sandwicensis*, *Nototrichium sandwicense*, *Panicum lineale*, *Panicum violascens*, *Peucedanum sandwicense*, or *Wilkesia gymnoxiphium*; and

(2) Elevations between 145 and 829 m (474 and 2,718 ft).

**Family Caryophyllaceae: *Schiedea stellarioides* (lauhilihi (=maolioli))**

Kauai O, identified in the legal description in (a)(1)(i)(A), constitutes critical habitat for *Schiedea stellarioides* on Kauai. Within this unit, the currently known primary constituent elements of critical habitat are the habitat components provided by:

(1) Steep slopes in closed *Acacia koa-Metrosideros polymorpha* lowland or montane mesic forest or shrubland and containing one or more of the following native plant species: *Alsinidendron viscosum*, *Artemisia australis*, *Bidens cosmoides*, *Chenopodium* spp., *Dianella sandwicensis*, *Dodonaea viscosa*, *Mariscus* spp., *Melicope* spp., *Nototrichium sandwicense*, *Pipturus* spp., *Styphelia tameiameiae*, *Syzygium sandwicensis*, or *Zanthoxylum dipetalum*; and

(2) Elevations between 476 and 1,216 m (1,561 and 3,990 ft).

**Family Convolvulaceae: *Bonamia menziesii* (NCN)**

Kauai I, J, K, L, M, N and O, identified in the legal descriptions in (a)(1)(i)(A), constitute critical habitat for *Bonamia menziesii* on Kauai. Within these units, the currently known primary constituent elements of critical habitat are the habitat components provided by:

(1) Dry, mesic, or wet *Metrosideros polymorpha-Cheirodendron-Dicranopteris* forest and containing one

or more of the following native plant species: *Antidesma platyphyllum*, *Alphitonia ponderosa*, *Acacia koa*, *Cyanea* spp., *Cyrtandra pickeringii*, *Cyrtandra limahuliensis*, *Dianella sandwicensis*, *Diospyros sandwicensis*, *Dodonaea viscosa*, *Dubautia knudsenii*, *Hedyotis terminalis*, *Isodendron longifolium*, *Labordia hirta*, *Melicope anisata*, *Melicope barbiger*, *Myoporum sandwicense*, *Nestegis sandwicensis*, *Pisonia* spp., *Pittosporum* spp., *Pouteria sandwicensis*, *Psychotria mariniana*, *Psychotria hexandra*, *Psydrax odoratum*, *Sapindus oahuensis*, *Scaevola procera*, or *Syzygium sandwicensis*; and

(2) Elevations between 351 and 1,416 m (1,151 and 4,644 ft).

**Family Cyperaceae: *Cyperus trachysanthos* (puukaa)**

Kauai I, identified in the legal description in (a)(1)(i)(A), and Niihau A, identified in the legal description in (a)(1)(i)(B), constitute critical habitat for *Cyperus trachysanthos* on Kauai and Niihau. Within these units, the currently known primary constituent elements of critical habitat are the habitat components provided by:

(1) Wet sites (mud flats, wet clay soil, or wet cliff seeps) on seepy flats or talus slopes and containing the native plant species *Hibiscus tiliaceus*; and

(2) Elevations between 0 and 234 m (0 and 767 ft).

**Family Cyperaceae: *Mariscus pennatiformis* (NCN)**

Kauai O, identified in the legal description in (a)(1)(i)(A), constitutes critical habitat for *Mariscus pennatiformis* on Kauai. Within this unit, the currently known primary constituent elements of critical habitat are the habitat components provided by:

(1) Open sites in *Metrosideros polymorpha*—*Acacia koa* mixed mesic forest and containing one or more of the following associated native plant species: *Antidesma platyphyllum* var. *hillebrandii*, *Alsinidendron viscosum*, *Carex alligata*, *Cyperus laevigatus*, *Dianella sandwicensis*, *Diospyros hillebrandii*, *Diospyros sandwicensis*, *Dodonaea viscosa*, *Myrsine linearifolia*, *Nestegis sandwicensis*, *Panicum nephelophilum*, *Poa sandwicensis*, *Psydrax odoratum*, *Schiedea stellarioides*, *Styphelia tameiameia*, or endemic ferns; and

(2) Elevations between 544 and 1,104 m (1,785 and 3,621 ft).

**Family Euphorbiaceae: *Chamaesyce halemanui* (NCN)**

Kauai I and O, identified in the legal descriptions in (a)(1)(i)(A), constitute

critical habitat for *Chamaesyce halemanui* on Kauai. Within these units, the currently known primary constituent elements of critical habitat are the habitat components provided by:

(1) Steep slopes of gulches in mesic *Acacia koa* forests and containing one or more of the following native plant species: *Asplenium* spp., *Alphitonia ponderosa*, *Antidesma platyphyllum*, *Bobea brevipes*, *Carex meyenii*, *Carex wahuensis*, *Cheirodendron trigynum*, *Coprosma* spp., *Diospyros sandwicensis*, *Dodonaea viscosa*, *Elaeocarpus bifidus*, *Hedyotis terminalis*, *Kokia kauaiensis*, *Metrosideros polymorpha*, *Melicope haupuensis*, *Microlepia strigosa*, *Panicum nephelophilum*, *Pisonia* spp., *Pittosporum* spp., *Pleomele aurea*, *Psychotria mariniana*, *Psychotria greenwelliae*, *Pouteria sandwicensis*, *Santalum freycinetianum*, or *Styphelia tameiameia*; and

(2) Elevations between 556 and 1,202 m (1,825 and 3,944 ft).

**Family Euphorbiaceae: *Euphorbia haeleleana* (akoko)**

Kauai I, J, and O, identified in the legal descriptions in (a)(1)(i)(A), constitute critical habitat for *Euphorbia haeleleana* on Kauai. Within these units, the currently known primary constituent elements of critical habitat are the habitat components provided by:

(1) Lowland mixed mesic or dry *Diospyros* forest that is often co-dominated by *Metrosideros polymorpha* and *Alphitonia ponderosa* and containing one or more of the following native plant species: *Acacia koa*, *Antidesma platyphyllum*, *Claoxylon sandwicense*, *Carex meyenii*, *Carex wahuensis*, *Diplazium sandwichianum*, *Dodonaea viscosa*, *Erythrina sandwicensis*, *Kokia kauaiensis*, *Pleomele aurea*, *Psychotria mariniana*, *P. greenwelliae*, *Pteralyxia sandwicensis*, *Rauwolfia sandwicensis*, *Reynoldsia sandwicensis*, *Sapindus oahuensis*, *Tetraplasandra kauaiensis*, *Pouteria sandwicensis*, *Pisonia sandwicensis*, or *Xylosma* spp.; and

(2) Elevations between 284 and 1,178 m (931 and 3,866 ft).

**Family Euphorbiaceae: *Flueggea neowawraea* (mēhamehame)**

Kauai I and O, identified in the legal descriptions in (a)(1)(i)(A), constitute critical habitat for *Flueggea neowawraea* on Kauai. Within these units, the currently known primary constituent elements of critical habitat are the habitat components provided by:

(1) Dry or mesic forests containing one or more of the following native plant species: *Alectryon macrococcus*, *Antidesma pulvinatum*, *A.*

*platyphyllum*, *Bidens sandwicensis*, *Bobea timonioides*, *Caesalpinia kavaiensis*, *Charpentiera* spp., *Diospyros* spp., *Diplazium sandwichianum*, *Freycinetia arborea*, *Hibiscus* spp., *Isodendron laurifolium*, *Kokia kauaiensis*, *Melicope* spp., *Metrosideros polymorpha*, *Munroidendron racemosum*, *Myrsine lanaiensis*, *Nesoloma polynesicum*, *Nestegis sandwicensis*, *Tetraplasandra* spp., *Pittosporum* spp., *Pouteria sandwicensis*, *Pritchardia minor*, *Psychotria* spp., *Psydrax odoratum*, *Pteralyxia kauaiensis*, *Rauwolfia sandwicensis*, *Streblus pendulinus*, *Tetraplasandra* spp., *Xylosma hawaiiense*, or *Xylosma crenatum*; and

(2) Elevations between 210 and 1,178 m (689 and 3,865 ft).

**Family Fabaceae: *Sesbania tomentosa* (ohai)**

Kauai D, H, and I, identified in the legal descriptions in (a)(1)(i)(A), constitute critical habitat for *Sesbania tomentosa* on Kauai. Within these units, the currently known primary constituent elements of critical habitat are the habitat components provided by:

(1) Sandy beaches, dunes, or pond margins in coastal dry shrublands or mixed coastal dry cliffs, and containing one or more of the following associated native plant species: *Chamaesyce celastroides*, *Dodonaea viscosa*, *Heteropogon contortus*, *Myoporum sandwicense*, *Nama sandwicensis*, *Scaevola sericea*, *Sida fallax*, *Sporobolus virginicus*, or *Vitex rotundifolia*; and

(2) Elevations between 0 and 212 m (0 and 694 ft).

**Family Flacourtiaceae: *Xylosma crenatum* (NCN)**

Kauai I and O, identified in the legal descriptions in (a)(1)(i)(A), constitute critical habitat for *Xylosma crenatum* on Kauai. Within these units, the currently known primary constituent elements of critical habitat are the habitat components provided by:

(1) Diverse *Acacia koa*-*Metrosideros polymorpha* montane mesic forest, or *Metrosideros polymorpha*-*Dicranopteris linearis* montane wet forest, or *Acacia koa*-*Metrosideros polymorpha* montane wet forest, and containing one or more of the following associated native plant species: *Athyrium sandwicensis*, *Cheirodendron* spp., *Claoxylon sandwicense*, *Coprosma* spp., *Cyanea hirta*, *Diplazium sandwichianum*, *Dubautia knudsenii*, *Hedyotis* spp., *Ilex anomala*, *Lobelia yuccoides*, *Myrsine* spp., *Nestegis sandwicensis*, *Perrottetia sandwicensis*, *Pleomele aurea*, *Poa sandwicensis*, *Pouteria sandwicensis*,

*Psychotria* spp., *Scaevola procera*, *Streblus pendulinus*, *Tetraplasandra* spp., *Touchardia latifolia*, or *Zanthoxylum dipetalum*; and

(2) Elevations between 936 and 1,284 m (3,070 and 4,212 ft).

**Family Gentianaceae: *Centaurium sebaeoides* (awiwi)**

Kauai A and I, identified in the legal descriptions in (a)(1)(i)(A), constitute critical habitat for *Centaurium sebaeoides* on Kauai. Within these units, the currently known primary constituent elements of critical habitat are the habitat components provided by:

(1) Volcanic or clay soils or on cliffs in arid coastal areas and containing one or more of the following native plant species: *Artemisia* spp., *Bidens* spp., *Chamaesyce celastroides*, *Dodonaea viscosa*, *Fimbristylis cymosa*, *Heteropogon contortus*, *Jacquemontia ovalifolia*, *Lipochaeta succulenta*, *Lipochaeta heterophylla*, *Lipochaeta integrifolia*, *Lycium sandwicense*, *Lysimachia mauritiana*, *Mariscus phleoides*, *Panicum fauriei*, *P. torridum*, *Scaevola sericea*, *Sida fallax*, or *Wikstroemia uva-ursi*; and

(2) Elevations between 0 and 147 m (0 and 483 ft).

**Family Gesneriaceae: *Cyrtandra cyaneoides* (mapele)**

Kauai J, K, L, M and N, identified in the legal descriptions in (a)(1)(i)(A), constitute critical habitat for *Cyrtandra cyaneoides* on Kauai. Within these units, the currently known primary constituent elements of critical habitat are the habitat components provided by:

(1) Talus rubble on steep slopes or cliffs with water seeps running below, near streams or waterfalls in lowland or montane wet forest or shrubland dominated by *Metrosideros polymorpha* or a mixture of *Metrosideros polymorpha*, *Cheirodendron* spp., and *Dicranopteris linearis* and containing one or more of the following native species: *Bidens* spp., *Boehmeria grandis*, *Cyanea* spp., *Cyrtandra longifolia*, *Cyrtandra kauaiensis*, *Cyrtandra limahuliensis*, *Coprosma* spp., *Diplazium sandwichianum*, *Freycinetia arborea*, *Gunnera* spp., *Hedyotis terminalis*, *Hedyotis tryblum*, *Machaerina* spp., *Melicope clusiifolia*, *Melicope puberula*, *Perrottetia sandwicensis*, *Pipturus* spp., *Psychotria* spp., *Pritchardia* spp., or *Stenogyne purpurea*; and

(2) Elevations between 157 and 1,406 m (514 and 4,614 ft).

**Family Gesneriaceae: *Cyrtandra limahuliensis* (haiwale)**

Kauai I, J, K, L, M, and N, identified in the legal descriptions in (a)(1)(i)(A), constitute critical habitat for *Cyrtandra limahuliensis* on Kauai. Within these units, the currently known primary constituent elements of critical habitat are the habitat components provided by:

(1) Stream banks in lowland wet forests containing one or more of the following native plant species: *Antidesma* spp., *Boehmeria grandis*, *Bidens* spp., *Charpentiera* spp., *Cibotium glaucum*, *Cyanea* spp., *Cyrtandra kealiae*, *Dicranopteris linearis*, *Diplazium sandwichianum*, *Dubautia* spp., *Eugenia* spp., *Gunnera kauaiensis*, *Hedyotis terminalis*, *Hibiscus waimeae*, *Metrosideros polymorpha*, *Perrottetia sandwicensis*, *Pisonia* spp., *Pipturus* spp., *Pritchardia* spp., *Psychotria* spp., *Touchardia latifolia*, or *Urera glabra*; and

(2) Elevations between 208 and 1,594 m (681 and 5,228 ft).

**Family Lamiaceae: *Phyllostegia knudsenii* (NCN)**

Kauai O, identified in the legal description in (a)(1)(i)(A), constitutes critical habitat for *Phyllostegia knudsenii* on Kauai. Within this unit, the currently known primary constituent elements of critical habitat are the habitat components provided by:

(1) *Metrosideros polymorpha* lowland mesic or wet forest containing one or more of the following associated native plant species: *Bobea timonioides*, *Claoxylon sandwicense*, *Cryptocarya mannii*, *Cyrtandra kauaiensis*, *Cyrtandra paludosa*, *Diospyros sandwicensis*, *Elaeocarpus bifidus*, *Ilex anomala*, *Myrsine linearifolia*, *Perrottetia sandwicensis*, *Pittosporum kauaiense*, *Pouteria sandwicensis*, *Pritchardia minor*, *Selaginella arbuscula*, *Tetraplasandra oahuensis*, or *Zanthoxylum dipetalum*; and

(2) Elevations between 399 and 1,059 m (1,309 and 3,475 ft).

**Family Lamiaceae: *Phyllostegia waimeae* (no common name)**

Kauai O, identified in the legal description in (a)(1)(i)(A), constitutes critical habitat for *Phyllostegia waimeae* on Kauai. Within this unit, the currently known primary constituent elements of critical habitat are the habitat components provided by:

(1) *Acacia koa*-*Metrosideros polymorpha* dominated wet or mixed mesic forest with *Cheirodendron* spp. or *Dicranopteris linearis* as co-dominants and containing one or more of the following associated native plant

species: *Broussaisia arguta*, *Claoxylon sandwicense*, *Diplazium sandwichianum*, *Dubautia knudsenii*, *Elaphoglossum* spp., *Gunnera* spp., *Hedyotis* spp., *Myrsine lanaiensis*, *Pleomele aurea*, *Psychotria* spp., *Sadleria* spp., *Scaevola procera*, *Syzygium sandwicensis*, or *Vaccinium* spp.; and

(2) Elevations between 655 and 1,224 m (2,149 and 4,016 ft).

**Family Lamiaceae: *Phyllostegia wawrana* (no common name)**

Kauai I, J, M, N, and O, identified in the legal descriptions in (a)(1)(i)(A), constitute critical habitat for *Phyllostegia wawrana* on Kauai. Within these units, the currently known primary constituent elements of critical habitat are the habitat components provided by:

(1) *Acacia koa*-*Metrosideros polymorpha*-*Cheirodendron* mixed mesic forest containing one or more of the following associated native plant species: *Alectryon* spp., *Asplenium polypodon*, *Athyrium microphyllum*, *Carex* spp., *Claoxylon sandwicense*, *Cyanea fissa*, *Delissea rivularis*, *Dianella sandwicensis*, *Diplazium sandwichianum*, *Dodonaea viscosa*, *Doodia kunthiana*, *Dryopteris wallichiana*, *Dubautia knudsenii*, *Dubautia laevigata*, *Hedyotis tryblum*, *Machaerina angustifolia*, *Panicum nephelophilum*, *Peperomia macraeana*, *Perrottetia sandwicensis*, *Poa sandwicensis*, *Pleomele aurea*, *Pteridium decompositum*, *Sadleria pallida*, *Schiedea stellarioides*, *Scaevola procera*, *Syzygium sandwicensis*, *Touchardia latifolia*, or *Vaccinium dentatum*; and

(2) Elevations between 398 and 1,284 m (1,306 and 4,212 ft).

**Family Lamiaceae: *Stenogyne campanulata* (NCN)**

Kauai I, and O, identified in the legal descriptions in (a)(1)(i)(A), constitute critical habitat for *Stenogyne campanulata* on Kauai. Within these units, the currently known primary constituent elements of critical habitat are the habitat components provided by:

(1) Rock faces of nearly vertical, north-facing cliffs in diverse lowland or montane mesic forest and containing one or more of the following associated native plant species: *Lepidium serra*, *Lobelia niihauensis*, *Lysimachia* spp., *Metrosideros polymorpha*, *Melicope pallida*, *Neraudia kauaiensis*, *Nototrichium divaricatum*, *Poa mannii*, *Remya montgomeryi*, or *Wilkesia gymnoxiphium*; and

(2) Elevations between 335 and 1,290 m (1,100 and 4,232 ft).

**Family Loganiaceae: *Labordia lydgatei* (kamakahala)**

Kauai I, J, K, L, M, and N, identified in the legal descriptions in (a)(1)(i)(A), constitute critical habitat for *Labordia lydgatei* on Kauai. Within these units, the currently known primary constituent elements of critical habitat are the habitat components provided by:

(1) *Metrosideros polymorpha-Dicranopteris linearis* lowland wet forest containing one or more of the following associated native plant species: *Antidesma platyphyllum* var. *hillebrandii*, *Cyanea* spp., *Cyrtandra* spp., *Dubautia knudsenii*, *Hedyotis terminalis*, *Ilex anomala*, *Labordia hirtella*, *Psychotria* spp., or *Syzygium sandwicensis*; and

(2) Elevations between 182 and 1,140 m (597 and 3,740 ft).

**Family Loganiaceae: *Labordia tinifolia* var. *wahiawaensis* (kamakahala)**

Kauai N, identified in the legal description in (a)(1)(i)(A), constitutes critical habitat for *Labordia tinifolia* var. *wahiawaensis* on Kauai. Within this unit, the currently known primary constituent elements of critical habitat are the habitat components provided by:

(1) Streambanks in lowland wet forests dominated by *Metrosideros polymorpha* and containing one or more of the following associated species: *Antidesma platyphyllum*, *Athyrium microphyllum*, *Cheirodendron* spp., *Cyrtandra* spp., *Dicranopteris linearis*, *Hedyotis terminalis*, or *Psychotria* spp.; and

(2) Elevations between 458 and 1,006 m (1,502 and 3,301 ft).

**Family Malvaceae: *Hibiscadelphus woodii* (hau kuahiwi)**

Kauai I, identified in the legal description in (a)(1)(i)(A), constitutes critical habitat for *Hibiscadelphus woodii* on Kauai. Within this unit, the currently known primary constituent elements of critical habitat are the habitat components provided by:

(1) Basalt talus or cliff walls in *Metrosideros polymorpha* montane mesic forest and containing one or more of the following associated native plant species: *Artemisia australis*, *Bidens sandwicensis*, *Carex meyenii*, *Chamaesyce celastroides* var. *hanapeensis*, *Dubautia* spp., *Hedyotis* spp., *Lepidium serra*, *Lipochaeta* spp., *Lobelia niihauensis*, *Lysimachia glutinosa*, *Melicope pallida*, *Myrsine* spp., *Nototrichium* spp., *Panicum lineale*, *Poa mannii*, or *Stenogyne campanulata*; and

(2) Elevations between 219 and 1,197 m (717 and 3,926 ft).

**Family Malvaceae: *Hibiscus clayi* (Clay's hibiscus)**

Kauai B, identified in the legal description in (a)(1)(i)(A), constitutes critical habitat for *Hibiscus clayi* on Kauai. Within this unit, the currently known primary constituent elements of critical habitat are the habitat components provided by:

(1) Slopes in *Acacia koa* or *Diospyros* spp.-*Pisonia* spp.-*Metrosideros polymorpha* lowland dry or mesic forest and containing one or more of the following associated native plant species: *Artemisia australis*, *Bidens* spp., *Cyanea hardyi*, *Hedyotis acuminata*, *Gahnia* spp., *Munroidendron racemosum*, *Pandanus tectorius*, *Panicum tenuifolium*, *Pleomele aurea*, *Pipturus* spp., *Psychotria* spp., or *Psydrax odoratum*; and

(2) elevations between nine and 380 m (29 and 1,245 ft).

**Family Malvaceae: *Hibiscus waimeae* ssp. *hannerae* (kokio keokeo)**

Kauai I and J, identified in the legal descriptions in (a)(1)(i)(A), constitute critical habitat for *Hibiscus waimeae* ssp. *hannerae* on Kauai. Within these units, the currently known primary constituent elements of critical habitat are the habitat components provided by:

(1) *Metrosideros polymorpha-Dicranopteris linearis* or *Pisonia* spp.-*Charpentiera elliptica* lowland wet or mesic forest and containing one or more of the following associated native plant species: *Antidesma* spp., *Psychotria* spp., *Pipturus* spp., *Bidens* spp., *Bobea* spp., *Sadleria* spp., *Cyrtandra* spp., *Cyanea* spp., *Cibotium* spp., *Perrottetia sandwicensis*, or *Syzygium sandwicensis*; and

(2) Elevations between 174 and 1,154 m (570 and 3,787 ft).

**Family Malvaceae: *Kokia kauaiensis* (kokio)**

Kauai I and O, identified in the legal descriptions in (a)(1)(i)(A), constitute critical habitat for *Kokia kauaiensis* on Kauai. Within these units, the currently known primary constituent elements of critical habitat are the habitat components provided by:

(1) Diverse mesic forest containing one or more of the following associated native plant species: *Acacia koa*, *Alyxia oliviformis*, *Antidesma* spp., *Bobea* spp., *Chamaesyce celastroides*, *Claoxylon sandwicense*, *Dicranopteris linearis*, *Diellia pallida*, *Diospyros hillebrandii*, *Diospyros sandwicensis*, *Dodonaea viscosa*, *Flueggea neowawraea*, *Hibiscus* spp., *Hedyotis* spp., *Isodendron laurifolium*, *Lipochaeta fauriei*,

*Melicope* spp., *Metrosideros polymorpha*, *Nestegis sandwicensis*, *Nototrichium* spp., *Pisonia* spp., *Pleomele aurea*, *Pouteria sandwicensis*, *Psydrax odoratum*, *Pteralyxia kauaiensis*, *Rauwolfia sandwicensis*, *Santalum freycinetianum* var. *pyrularium*, *Streblus pendulinus*, *Syzygium sandwicensis*, *Tetraplasandra* spp., or *Xylosma* spp.; and

(2) Elevations between 216 and 1,037 m (707 and 3,402 ft).

**Family Myrsinaceae: *Myrsine linearifolia* (kōlea)**

Kauai E, I, J, K, L, N, and O, identified in the legal descriptions in (a)(1)(i)(A), constitute critical habitat for *Myrsine linearifolia* on Kauai. Within these units, the currently known primary constituent elements of critical habitat are the habitat components provided by:

(1) Diverse mesic or wet lowland or montane *Metrosideros polymorpha* forest, with *Cheirodendron* spp., or *Dicranopteris linearis* as co-dominant species, and containing one or more of the following associated native plant species: *Bobea brevipes*, *Cryptocarya mannii*, *Dubautia* spp., *Eurya sandwicensis*, *Freycinetia arborea*, *Hedyotis terminalis*, *Lysimachia glutinosa*, *Machaerina angustifolia*, *Melicope* spp., *Myrsine* spp., *Nothoecetrum* spp., *Psychotria* spp., *Sadleria pallida*, *Syzygium sandwicensis*, or native ferns; and

(2) Elevations between 106 and 1,380 m (346 and 4,526 ft).

**Family Orchidaceae: *Platanthera holochila* (NCN)**

Kauai I, J, L, N, and O, identified in the legal descriptions in (a)(1)(i)(A), constitute critical habitat for *Platanthera holochila* on Kauai. Within these units, the currently known primary constituent elements of critical habitat are the habitat components provided by:

(1) Montane *Metrosideros polymorpha-Dicranopteris linearis* wet forest or *M. polymorpha* mixed bog and containing one or more of the following associated native plant species: mosses, grammitid ferns, *Carex montis-eeka*, *Cibotium* spp., *Clermontia fauriei*, *Coprosma elliptica*, *Dichantheium* spp., *Lobelia kauaensis*, *Machaerina angustifolia*, *Myrsine denticulata*, *Oreobolus furcatus*, *Rhynchospora laxa*, *Styphelia tameiameia*, or *Vaccinium* spp., or *Viola kauaensis*; and

(2) Elevations between 803 and 1,563 m (2,635 and 5,128 ft).

**Family Plantaginaceae: *Plantago princeps* (laukahi kuahiwi)**

Kauai I, J, K, L, N, and O, identified in the legal descriptions in (a)(1)(i)(A), constitute critical habitat for *Plantago princeps* on Kauai. Within these units, the currently known primary constituent elements of critical habitat are the habitat components provided by:

(1) Windswept areas near waterfalls in *Metrosideros polymorpha-Cheirodendron montane* wet forest with riparian vegetation or *Metrosideros polymorpha* lowland to montane transitional wet forest on cliffs and ridges, growing on basalt rocky outcrops and containing one or more of the following associated native plant species: *Antidesma platyphyllum* var. *hillebrandii*, *Bidens forbesii*, *Bobea elatior*, *Boehmeria grandis*, *Cyrtandra* spp., *Diplazium sandwichianum*, *Freycinetia arborea*, *Gunnera* spp., *Hedyotis elatior*, *Huperzia* spp., *Hedyotis centranthoides*, *Isachne pallens*, *Machaerina angustifolia*, *Perrottetia sandwicensis*, *Pilea peplodes*, *Pipturus* spp., *Sadleria cyatheoides*, or *Tetraplasandra* spp. or *Bidens sandwicensis*, *Carex meyenii*, *Carex wahuensis*, *Charpentiera elliptica*, *Hedyotis* spp., *Lipochaeta connata*, *Lysimachia glutinosa*, *Lysimachia kalalauensis*, *Melicope* spp., *Myrsine linearifolia*, *Poa mannii*, or *Wilkesia gymnoxiphium*; and

(2) Elevations between 347 and 1,598 m (1,139 and 5,244 ft).

**Family Poaceae: *Ischaemum byrone* (Hilo ischaemum)**

Kauai A and I, identified in the legal descriptions in (a)(1)(i)(A), constitute critical habitat for *Ischaemum byrone* on Kauai. Within these units, the currently known primary constituent elements of critical habitat are the habitat components provided by:

(1) Coastal shrubland, occurring near the ocean among rocks and seepy cliffs and containing one or more of the following associated native plant species: *Bidens* spp., *Chamaesyce celastroides*, *Fimbristylis cymosa*, *Lipochaeta succulenta*, *Lysimachia mauritiana*, or *Scaevola sericea*, and

(2) Elevations between 0 and 297 m (0 and 975 ft).

**Family Poaceae: *Panicum niihauense* (lau ehū)**

Kauai H and I, identified in the legal descriptions in (a)(1)(i)(A), constitute critical habitat for *Panicum niihauense* on Kauai. Within these units, the currently known primary constituent elements of critical habitat are the habitat components provided by:

(1) Sand dunes in coastal shrubland and containing one or more of the following associated native plant species: *Cassytha filiformis*, *Chamaesyce celastroides*, *Dodonaea viscosa*, *Nama sandwicensis*, *Ophioglossum pendulum* ssp. *falcatum*, *Scaevola sericea*, *Sida fallax*, *Vitex rotundifolia*, or *Sporobolus virginicus*; and

(2) Elevations between 0 and 103 m (0 and 337 ft).

**Family Poaceae: *Poa mannii* (Mann's bluegrass)**

Kauai I and O, identified in the legal descriptions in (a)(1)(i)(A), constitute critical habitat for *Poa mannii* on Kauai. Within these units, the currently known primary constituent elements of critical habitat are the habitat components provided by: (1) Cliffs or rock faces in lowland or montane mesic *Metrosideros polymorpha* or *Acacia koa-Metrosideros polymorpha* forest and containing one or more of the following associated native plant species: *Antidesma platyphyllum*, *Artemisia australis*, *Bidens cosmoides*, *Bidens sandwicensis*, *Carex meyenii*, *C. wahuensis*, *Chamaesyce celastroides* var. *hanapepensis*, *Dodonaea viscosa*, *Diospyros sandwicensis*, *Eragrostis variabilis*, *Hedyotis terminalis*, *Lobelia niihauensis*, *Lobelia yuccoides*, *Luzula hawaiiensis*, *Mariscus phloides*, *Melicope anisata*, *M. barbiger*, *M. pallida*, *Nototrichium* spp., *Panicum lineale*, *Pleomele aurea*, *Pouteria sandwicensis*, *Psychotria mariniana*, *P. greenwelliae*, *Schiedea lydgatei* var. *attenuata*, *Schiedea membranacea*, or *Wilkesia gymnoxiphium*; and

(2) Elevations between 327 and 1,222 m (1,072 and 4,009 ft).

**Family Poaceae: *Poa sandwicensis* (Hawaiian bluegrass)**

Kauai I and O, identified in the legal descriptions in (a)(1)(i)(A), constitute critical habitat for *Poa sandwicensis* on Kauai. Within these units, the currently known primary constituent elements of critical habitat are the habitat components provided by:

(1) Wet, shaded, gentle to steep slopes, ridges, and rock ledges of stream banks in semi-open to closed, wet, diverse *Acacia koa-Metrosideros polymorpha* montane forest and containing one or more of the following associated native species: *Alyxia oliviformis*, *Bidens sandwicensis*, *Cheirodendron* spp., *Claoxylon sandwicensis*, *Coprosma* spp., *Dianella sandwicensis*, *Dicranopteris linearis*, *Dodonaea viscosa*, *Dubautia* spp., *Hedyotis* spp., *Melicope* spp., *Peperomia* spp., *Psychotria* spp.,

*Scaevola procera*, *Schiedea stellarioides*, or *Syzygium sandwicensis*; and

(2) Elevations between 498 and 1,290 m (1,635 and 4,232 ft).

**Family Poaceae: *Poa siphonoglossa* (NCN)**

Kauai I and O, identified in the legal descriptions in (a)(1)(i)(A), constitute critical habitat for *Poa siphonoglossa* on Kauai. Within these units, the currently known primary constituent elements of critical habitat are the habitat components provided by:

(1) Shady banks on steep slopes in mesic *Metrosideros polymorpha-Acacia koa* forests and containing one or more of the following associated native plant species: *Acacia koa*, *Alphitonia ponderosa*, *Alyxia oliviformis*, *Bobea brevipes*, *Carex meyenii*, *Carex wahuensis*, *Coprosma waimeae*, *Dianella sandwicensis*, *Dodonaea viscosa*, *Dubautia* spp., *Hedyotis* spp., *Lobelia yuccoides*, *Melicope* spp., *Microlepia strigosa*, *Myrsine* spp., *Panicum nephelophilum*, *Poa sandwicensis*, *Psychotria* spp., *Scaevola procera*, *Styphelia tameiameia*, *Tetraplasandra kauaiensis*, *Vaccinium* spp., *Wilkesia gymnoxiphium*, *Xylosma* spp., or *Zanthoxylum dipetalum*; and

(2) Elevations between 498 and 1,290 m (1,635 and 4,232 ft).

**Family Primulaceae: *Lysimachia filifolia* (no common name)**

Kauai L and N, identified in the legal descriptions in (a)(1)(i)(A), constitute critical habitat for *Lysimachia filifolia* on Kauai. Within these units, the currently known primary constituent elements of critical habitat are the habitat components provided by:

(1) Mossy banks at the base of cliff faces within the spray zone of waterfalls or along streams in lowland wet forests and containing one or more of the following associated native plant species: mosses, ferns, liverworts, *Antidesma platyphyllum*, *Bidens valida*, *Bobea elatior*, *Cyanea asarifolia*, *Chamaesyce remyi* var. *kauaiensis*, *Dubautia plantaginea* ssp. *magnifolia*, *Eragrostis variabilis*, *Metrosideros polymorpha*, *Machaerina angustifolia*, *Melicope* spp., or *Panicum lineale*; and

(2) Elevations between 177 and 1,088 m (581 and 3,568 ft).

**Family Rhamnaceae: *Gouania meyenii* (NCN)**

Kauai I and O, identified in the legal descriptions in (a)(1)(i)(A), constitute critical habitat for *Gouania meyenii* on Kauai. Within these units, the currently known primary constituent elements of

critical habitat are the habitat components provided by:

(1) Rocky ledges, cliff faces, and ridge-tops in dry shrubland or *Metrosideros polymorpha* lowland diverse mesic forest and containing one or more of the following native plant species: *Bidens* spp., *Carex meyenii*, *Chamaesyce* spp., *Dodonaea viscosa*, *Diospyros sandwicensis*, *Diospyros* spp., *Eragrostis variabilis*, *Euphorbia haeleleana*, *Festuca* spp., *Hedyotis* spp., *Hibiscadelphus* spp., *Lysimachia* spp., *Melicope pallida*, *Neraudia kauaiensis*, *Nestegis sandwicensis*, *Nototrichium divaricatum*, *Panicum lineale*, *Poa mannii*, *Psychotria* spp., *Senna gaudichaudii*, or *Wilkesia gymnoxiphium*; and

(2) Elevations between 375 and 3,867 m (1,231 and 3,867 ft).

**Family Rubiaceae: *Hedyotis cookiana* (awiiwi)**

Kauai I, identified in the legal description in (a)(1)(i)(A), constitutes critical habitat for *Hedyotis cookiana* on Kauai. Within this unit, the currently known primary constituent elements of critical habitat are the habitat components provided by:

(1) streambeds or steep cliffs close to water sources in relict *Metrosideros polymorpha* low mesic and low wet forest communities containing one or more of the following associated native plant species: *Boehmeria grandis*, *Chamaesyce celastroides* var. *hanapepensis*, *Hibiscus kokio* ssp. *saintjohnianus*, *Machaerina angustifolia*, *Nototrichium sandwicense*, *Pleomele aurea*, *Pipturus kauaiensis*, *Pouteria sandwicensis*, *Psydrax odoratum*, or *Rauvolfia sandwicensis*; and

(2) Elevations between 120 and 553 m (392 and 1,814 ft).

**Family Rubiaceae: *Hedyotis st.-johnii* (Na Pali beach hedyotis)**

Kauai I, identified in the legal description in (a)(1)(i)(A), constitutes critical habitat for *Hedyotis st.-johnii* on Kauai. Within this unit, the currently known primary constituent elements of critical habitat are the habitat components provided by:

(1) Crevices of north-facing, near-vertical coastal cliff faces within the spray zone in sparse dry coastal shrubland and containing one or more of the following native plant species: *Artemisia australis*, *Bidens* spp., *Capparis sandwichiana*, *Chamaesyce celastroides*, *Eragrostis variabilis*, *Heteropogon contortus*, *Lipochaeta connata*, *Lycium sandwicense*, *Myoporum sandwicense*, *Nototrichium*

*sandwicense*, or *Schiedea apokremnos*; and

(2) Elevations between 0 and 187 m (0 and 613 ft).

**Family Rutaceae: *Melicope haupuensis* (alani)**

Kauai E, I, and O, identified in the legal descriptions in (a)(1)(i)(A), constitute critical habitat for *Melicope haupuensis* on Kauai. Within these units, the currently known primary constituent elements of critical habitat are the habitat components provided by:

(1) Moist talus slopes in *Metrosideros polymorpha* dominated lowland mesic forests or *Metrosideros polymorpha*-*Acacia koa* montane mesic forest and containing one or more of the following associated native plant species:

*Antidesma platyphyllum* var. *hillebrandii*, *Bobea brevipes*, *Cheirodendron trigynum*, *Claoxylon sandwicense*, *Cryptocarya mannii*, *Dianella sandwicensis*, *Diospyros hillebrandii*, *Diospyros sandwicensis*, *Dodonaea viscosa*, *Elaeocarpus bifidus*, *Hedyotis terminalis*, *Melicope anisata*, *M. barbiger*, *M. ovata*, *Pleomele aurea*, *Pouteria sandwicensis*, *Pritchardia minor*, *Psychotria mariniana*, *P. greenwelliae*, *Tetraplasandra waimeae*, or *Zanthoxylum dipetalum*; and

(2) Elevations between 111 and 1,142 m (364 and 3,745 ft).

**Family Rutaceae: *Melicope knudsenii* (alani)**

Kauai I and O, identified in the legal descriptions in (a)(1)(i)(A), constitute critical habitat for *Melicope knudsenii* on Kauai. Within these units, the currently known primary constituent elements of critical habitat are the habitat components provided by:

(1) Forested flats with brown granular soil in lowland dry to montane mesic forests and containing one or more of the following associated native plant species: *Alectryon macrococcus*, *Antidesma platyphylla*, *Bobea brevipes*, *Carex meyenii*, *Cryptocarya mannii*, *Diospyros sandwicensis*, *Diplazium sandwichianum*, *Dodonaea viscosa*, *Euphorbia haeleleana*, *Gahnia beecheyi*, *Hedyotis* spp., *Hibiscus waimeae*, *Isodendron laurifolium*, *Metrosideros polymorpha*, *Melicope* spp., *Myrsine lanaiensis*, *Nestegis sandwicensis*, *Panicum nephelophilum*, *Peucedanum sandwicense*, *Pisonia sandwicensis*, *Pittosporum kauaiensis*, *Pleomele aurea*, *Pouteria sandwicensis*, *Pritchardia minor*, *Psychotria hobbyi*, *Psydrax odoratum*, *Rauvolfia sandwicensis*, *Remya kauaiensis*, *Scaevola procera*, *Styphelia tameiameia*, or *Xylosma hawaiiense*; and

(2) Elevations between 344 and 1,064 m (1,128 and 3,492 ft).

**Family Rutaceae: *Melicope pallida* (alani)**

Kauai I and O, identified in the legal descriptions in (a)(1)(i)(A), constitute critical habitat for *Melicope pallida* on Kauai. Within these units, the currently known primary constituent elements of critical habitat are the habitat components provided by:

(1) Steep rock faces in lowland to montane mesic to wet forests or shrubland and containing one or more of the following associated native plant species: *Abutilon sandwicense*, *Alyxia oliviformis*, *Artemisia australis*, *Boehmeria grandis*, *Carex meyenii*, *Chamaesyce celastroides* var. *hanapepensis*, *Coprosma waimeae*, *Coprosma kauaensis*, *Dodonaea viscosa*, *Dryopteris* spp., *Hedyotis terminalis*, *Lepidium serra*, *Melicope* spp., *Metrosideros polymorpha*, *Nototrichium* spp., *Pipturus albidus*, *Pleomele aurea*, *Poa mannii*, *Psychotria mariniana*, *Pritchardia minor*, *Sapindus oahuensis*, *Schiedea membranacea*, *Tetraplasandra waialealae*, or *Xylosma hawaiiense*; and

(2) Elevations between 359 and 1,081 m (1,179 and 3,546 ft).

**Family Rutaceae: *Zanthoxylum hawaiiense* (ae)**

Kauai O, identified in the legal description in (a)(1)(i)(A), constitutes critical habitat for *Zanthoxylum hawaiiense* on Kauai. Within this unit, the currently known primary constituent elements of critical habitat are the habitat components provided by:

(1) Lowland dry or mesic forests dominated by *Metrosideros polymorpha* or *Diospyros sandwicensis*, and containing one or more of the following associated plant species: *Antidesma platyphyllum*, *Alectryon macrococcus*, *Charpentiera elliptica*, *Dodonaea viscosa*, *Melicope* spp., *Myrsine lanaiensis*, *Pisonia* spp., *Pleomele aurea*, *Streblus pendulinus*, or *Zanthoxylum dipetalum*; and

(2) Elevations between 464 and 887 m (1,522 and 2,911 ft).

**Family Santalaceae: *Exocarpos luteolus* (heau)**

Kauai I, J, N, and O, identified in the legal descriptions in (a)(1)(i)(A), constitute critical habitat for *Exocarpos luteolus* on Kauai. Within these units, the currently known primary constituent elements of critical habitat are the habitat components provided by:

(1) Wet places bordering swamps or bogs; open, or dry ridges in lowland or montane mesic *Acacia koa*-*Metrosideros polymorpha* dominated forest

communities with *Dicranopteris* and containing one or more of the following native plant species: *Acacia koa*, *Cheirodendron trigynum*, *Pouteria sandwicensis*, *Dodonaea viscosa*, *Pleomele aurea*, *Psychotria mariniana*, *Psychotria greenwelliae*, *Bobea brevipes*, *Hedyotis terminalis*, *Elaeocarpus bifidus*, *Melicope haupuensis*, *Dubautia laevigata*, *Dianella sandwicensis*, *Poa sandwicensis*, *Schiedea stellarioides*, *Peperomia macraeana*, *Claoxylon sandwicense*, *Santalum freycinetianum*, *Styphelia tameiameia*, or *Dicranopteris linearis*; and

(2) Elevations between 361 and 1,466 m (1,183 and 4,808 ft).

**Family Sapindaceae: *Alectryon macrococcus* (mahoe)**

Kauai I, and O, identified in the legal descriptions in (a)(1)(i)(A), constitute critical habitat for *Alectryon macrococcus* on Kauai. Within these units, the currently known primary constituent elements of critical habitat are the habitat components provided by:

(1) dry slopes or gulches in *Diospyros* spp.-*Metrosideros polymorpha* lowland mesic forest, *Metrosideros polymorpha* mixed mesic forest, or *Diospyros* spp. mixed mesic forest, containing one or more of the following native plant species: *Acacia koa*, *Alyxia oliviformis*, *Antidesma* spp., *Bobea timonioides*, *Caesalpinia kavaensis*, *Canavalia* spp., *Carex meyenii*, *Carex wahuensis*, *Doodia kunthiana*, *Hibiscus waimeae*, *Kokia kauaiensis*, *Melicope knudsenii*, *Microlepia strigosa*, *Munroidendron racemosum*, *Myrsine lanaiensis*, *Nesoluma polynesianum*, *Nestegis sandwicensis*, *Pisonia* spp., *Pleomele* spp., *Pouteria sandwicensis*, *Psychotria* spp., *Psydrax odoratum*, *Pteralyxia* spp., *Rauvolfia sandwicensis*, *Streblus pendulinus*, *Tetraplasandra* spp., *Xylosma* spp., or *Zanthoxylum* spp.; and

(2) Elevations between 341 and 954 m (1,120 and 3,129 ft).

**Family Solanaceae: *Nothocestrum peltatum* (aiea)**

Kauai I and O, identified in the legal descriptions in (a)(1)(i)(A), constitute critical habitat for *Nothocestrum peltatum* on Kauai. Within these units, the currently known primary constituent elements of critical habitat are the habitat components provided by:

(1) Rich soil on steep slopes in mesic or wet forest dominated by *Acacia koa* or a mixture of *Acacia koa* and *Metrosideros polymorpha* and containing one or more of the following associated native plant species: *Alphitonia ponderosa*, *Antidesma* spp., *Bobea brevipes*, *Broussaisia arguta*,

*Cheirodendron trigynum*, *Claoxylon sandwicense*, *Coprosma* spp., *Cryptocarya mannii*, *Dianella sandwicensis*, *Dicranopteris linearis*, *Diplazium sandwichianum*, *Dodonaea viscosa*, *Elaeocarpus bifidus*, *Hedyotis terminalis*, *Ilex anomala*, *Melicope anisata*, *M. barbiger*, *M. haupuensis*, *Perrottetia sandwicensis*, *Pleomele aurea*, *Pouteria sandwicensis*, *Psychotria mariniana*, *P. greenwelliae*, *Tetraplasandra kauaiensis*, or *Xylosma* spp.; and

(2) elevations between 725 and 1,290 m (2,378 and 4,232 ft).

**Family Solanaceae: *Solanum sandwicense* (aiakeaakua, ʻppolo)**

Kauai I and O, identified in the legal descriptions in (a)(1)(i)(A), constitute critical habitat for *Solanum sandwicense* on Kauai. Within these units, the currently known primary constituent elements of critical habitat are the habitat components provided by:

(1) Forest canopies in diverse lowland or montane *Acacia koa* or *Acacia koa-Metrosideros polymorpha* mesic forests or occasionally in wet forests and containing one or more of the following associated plant species: *Alphitonia ponderosa*, *Athyrium sandwicensis*, *Bidens* spp., *Carex meyenii*, *Coprosma* spp., *Cryptocarya mannii*, *Dianella sandwicensis*, *Dicranopteris linearis*, *Dubautia* spp., *Hedyotis* spp., *Ilex anomala*, *Melicope* spp., *Poa* spp., *Pouteria sandwicensis*, *Psychotria* spp., *Syzygium sandwicensis*, or *Xylosma hawaiiense*; and

(2) Elevations between 445 and 1,290 m (1,460 and 4,232 ft).

**Family Violaceae: *Isodendron laurifolium* (aupaka)**

Kauai I and O, identified in the legal descriptions in (a)(1)(i)(A), constitute critical habitat for *Isodendron laurifolium* on Kauai. Within these units, the currently known primary constituent elements of critical habitat are the habitat components provided by:

(1) Diverse mesic forest, dominated by *Metrosideros polymorpha*, *Acacia koa* or *Diospyros* spp. and containing one or more of the following associated native plant species: *Alphitonia ponderosa*, *Antidesma* spp., *Claoxylon sandwicense*, *Dodonaea viscosa*, *Dubautia* spp., *Elaeocarpus bifidus*, *Euphorbia haeleleana*, *Hedyotis terminalis*, *Kokia kauaiensis*, *Melicope anisata*, *Melicope barbiger*, *Melicope ovata*, *Melicope peduncularis*, *Myrsine lanaiensis*, *Nestegis sandwicensis*, *Pisonia* spp., *Pittosporum glabrum*, *Pleomele aurea*, *Pouteria sandwicensis*, *Psydrax odoratum*, *Streblus pendulinus*, or *Xylosma hawaiiense*; and

(2) Elevations between 376 and 1,163 m (1,233 and 3,817 ft).

**Family Violaceae: *Isodendron longifolium* (aupaka)**

Kauai E, I, J, K, L, N, and O, identified in the legal descriptions in (a)(1)(i)(A), constitute critical habitat for *Isodendron longifolium* on Kauai. Within these units, the currently known primary constituent elements of critical habitat are the habitat components provided by:

(1) Steep slopes and some flats in certain undisturbed areas, gulches, or stream banks in mesic or wet *Metrosideros polymorpha-Acacia koa* forests and containing one or more of the following native species: *Antidesma* spp., *Bidens* spp., *Bobea brevipes*, *Cheirodendron* spp., *Cibotium* spp., *Cyanea hardyi*, *Cyrtandra* spp., *Dicranopteris linearis*, *Diospyros* spp., *Eugenia* spp., *Hedyotis* spp., *Ilex anomala*, *Melicope* spp., *Nestegis sandwicensis*, *Peperomia* spp., *Perrottetia sandwicensis*, *Pipturus* spp., *Pittosporum* spp., *Pritchardia* spp., *Psychotria* spp., *Psydrax odoratum*, or *Syzygium* spp.; and

(2) Elevations between 38 and 1,541 m (125 and 5,057 ft).

**Family Violaceae: *Viola helenae* (NCN)**

Kauai N, identified in the legal description in (a)(1)(i)(A), constitutes critical habitat for *Viola helenae* on Kauai. Within this unit, the currently known primary constituent elements of critical habitat are the habitat components provided by:

(1) Stream drainage banks or adjacent valley bottoms in light to moderate shade in *Metrosideros polymorpha-Dicranopteris linearis* lowland wet forest or *Metrosideros polymorpha-Cheirodendron* wet forest and containing one or more of the following native plant species: *Antidesma platyphyllum* var. *hillebrandii*, *Broussaisia arguta*, *Dicranopteris linearis*, *Diplazium sandwichianum*, *Dubautia* spp., *Freycinetia arborea*, *Hesperomannia lydgatei*, *Melicope* spp., or *Pritchardia* spp.; and

(2) Elevations between 522 and 1,006 m (1,712 and 3,301 ft).

**Family Violaceae: *Viola kauaiensis* var. *wahiawaensis* (nani waialeale)**

Kauai N, identified in the legal description in (a)(1)(i)(A), constitutes critical habitat for *Viola kauaiensis* var. *wahiawaensis* on Kauai. Within this unit, the currently known primary constituent elements of critical habitat are the habitat components provided by:

(1) *Machaerina angustifolia*-*Rhynchospora rugosa* lowland bog or mixed wet shrubland and adjacent *Metrosideros polymorpha* wet forest containing one or more of the following native plant species: *Antidesma platyphyllum* var. *hillebrandii*, *Bidens forbesii*, *Chamaesyce renyi*, *Chamaesyce sparsiflora*, *Coprosma grayana*, *Cyanea fissa*, *Dicranopteris linearis*, *Diplopterygium pinnatum*, *Dubautia imbricata*, *Dubautia raillardoides*, *Gahnia vitiensis*, *Lobelia kauaensis*, *Machaerina angustifolia*, *Machaerina mariscoides*, *Melicope* spp., *Psychotria wawrae*, *Sadleria pallida*, *Scaevola gaudichaudii*, *Sphenomeris chinensis*, *Styphelia tameiameia*, *Syzygium sandwicensis*, *Tetraplasandra oahuensis*, or *Vaccinium dentatum*; and

(2) Elevations between 394 and 1,006 (1,291 and 3,301 ft).

(B) *Ferns and allies.*

**Family Aspleniaceae: *Diellia erecta* (no common name)**

Kauai O, identified in the legal description in (a)(1)(i)(A), constitutes critical habitat for *Diellia erecta* on Kauai. Within this unit, the currently known primary constituent elements of critical habitat are the habitat components provided by:

(1) Brown granular soil with leaf litter and occasional terrestrial moss on north facing slopes in deep shade, or on steep slopes or gulch bottoms in *Metrosideros polymorpha*-*Dicranopteris linearis* wet forest or *Metrosideros polymorpha* mixed mesic forest with *Acacia koa* and *Acacia koaia* as codominants and containing one or more of the following native plant species: *Asplenium aethiopicum*, *Asplenium contiguum*, *Asplenium macraei*, *Coprosma* spp., *Dodonaea viscosa*, *Dryopteris fusco-atra*, *Dryopteris unidentata*, *Hedyotis terminalis*, *Melicope* spp., *Microlepia strigosa*, *Myrsine* spp., *Nestegis sandwicensis*, *Psychotria* spp., *Styphelia tameiameia*, *Syzygium sandwicensis*, and *Wikstroemia* spp.; and

(2) Elevations between 655 and 1,224 m (2,149 and 4,016 ft).

**Family Aspleniaceae: *Diellia pallida* (no common name)**

Kauai I and O, identified in the legal descriptions in (a)(1)(i)(A), constitute critical habitat for *Diellia pallida* on Kauai. Within these units, the currently known primary constituent elements of critical habitat are the habitat components provided by:

(1) Bare granular soil with dry to mesophytic leaf litter with pH of 6.9 to 7.9. on steep, talus slopes in lowland mesic forests and containing one or more of the following native plant species: *Acacia koa*, *Alectryon macrococcus*, *Alphitonia ponderosa*, *Alyxia oliviformis*, *Antidesma platyphyllum*, *Asplenium* spp., *Carex meyenii*, *Diospyros hillebrandii*, *Diospyros sandwicensis*, *Doodia kunthiana*, *Hedyotis knudsenii*, *Metrosideros polymorpha*, *Microlepia strigosa*, *Myrsine lanaiensis*, *Nestegis sandwicensis*, *Psychotria mariniana*, *Psydrax odoratum*, *Pteralyxia kauaiensis*, *Rauvolfia sandwicensis*, *Styphelia tameiameia*, *Tetraplasandra kauaiensis*, *Wilkesia gymnoxiphium*, or *Zanthoxylum dipetalum*; and

(2) Elevations between 445 and 1,028 m (1,460 and 3,371 ft).

**Family Aspleniaceae: *Diplazium molokaiense* (NCN)**

Kauai I and O, identified in the legal descriptions in (a)(1)(i)(A), constitute critical habitat for *Diplazium molokaiense* on Kauai. Within these units, the currently known primary constituent elements of critical habitat are the habitat components provided by:

(1) Brown soil with basalt outcrops near water falls in lowland or montane mesic *Metrosideros polymorpha*-*Acacia koa* forest; and

(2) Elevations between 476 and 1,284 m (1,562 and 4,212 ft).

**Family Aspleniaceae: *Ctenitis squamigera* (pauoa)**

Kauai I, identified in the legal description in (a)(1)(i)(A), constitutes critical habitat for *Ctenitis squamigera* on Kauai. Within this unit, the currently known primary constituent elements of critical habitat are the habitat components provided by:

(1) Rock faces in gulches in the understory of *Metrosideros polymorpha*-*Diospyros* spp. mesic forest and diverse mesic forest and containing one or more of the following native plant species: *Myrsine* spp., *Psychotria* spp., or *Xylosma* spp.; and

(2) Elevations between 568 and 1,069 m (1,863 and 3,507 ft).

**Family Grammitidaceae: *Adenophorus periens* (pendant kahi fern)**

Kauai I, J, K, L, M, N and O, identified in the legal descriptions in (a)(1)(i)(A), constitute critical habitat for *Adenophorus periens* on Kauai. Within

these units, the currently known primary constituent elements of critical habitat are the habitat components provided by:

(1) *Metrosideros polymorpha* trunks, in riparian banks of stream systems in well-developed, closed canopy that provides deep shade or high humidity in *Metrosideros polymorpha*-*Cibotium glaucum* lowland wet forests, open *Metrosideros polymorpha* montane wet forest, or *Metrosideros polymorpha*-*Dicranopteris linearis* lowland wet forest and containing one or more of the following native plant species: *Antidesma platyphyllum*, *Athyrium sandwicensis*, *Broussaisia* spp., *Cheirodendron trigynum*, *Cyanea* spp., *Cyrtandra* spp., *Dicranopteris linearis*, *Freycinetia arborea*, *Hedyotis terminalis*, *Labordia hirtella*, *Machaerina angustifolia*, *Psychotria* spp., *Psychotria hexandra*, *Syzygium sandwicensis*, or *Tetraplasandra oahuensis*; and

(2) Elevations between 107 and 1,594 m (351 and 5,228 ft).

**Family Lycopodiaceae: *Phlegmariurus nutans* (wawaeiole)**

Kauai N, identified in the legal description in (a)(1)(i)(A), constitutes critical habitat for *Phlegmariurus nutans* on Kauai. Within this unit, the currently known primary constituent elements of critical habitat are the habitat components provided by:

(1) Tree trunks, usually on open ridges and slopes in *Metrosideros polymorpha*-*Dicranopteris linearis* wet forests and occasionally mesic forests and containing one or more of the following associated native plant species: *Antidesma platyphyllum*, *Broussaisia arguta*, *Cibotium chamissoi*, *Cheirodendron fauriei*, *Diplopterygium pinnatum*, *Hedyotis terminalis*, *Hibiscus kokio* ssp. *kokio*, *Melicope waialealae*, *Scaevola gaudichaudii*, *Syzygium sandwicensis*, *Perrottetia sandwicensis*, *Psychotria hexandra*, *P. mariniana*, or *P. wawrae*; and

(2) Elevations between 601 and 1,594 m (1,971 and 5,228 ft).

Dated: January 7, 2002.

**Joseph E. Doddridge,**

*Assistant Secretary for Fish and Wildlife and Parks.*

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