

Family Rutaceae: *Zanthoxylum hawaiiense* (ae)

Kauai 11—*Zanthoxylum hawaiiense*—a, identified in the legal description in paragraph (a)(1) of this section, constitutes critical habitat for *Zanthoxylum hawaiiense* on Kauai. Within this unit, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

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

(ii) Elevations between 332 and 1,151 m (1,089 and 3,774 ft).

Family Santalaceae: *Exocarpos luteolus* (heau)

Kauai 10—*Exocarpos luteolus*—a, Kauai 11—*Exocarpos luteolus*—b, Kauai 11—*Exocarpos luteolus*—c, Kauai 11—*Exocarpos luteolus*—d, and Kauai 11—*Exocarpos luteolus*—e, identified in the legal descriptions in paragraph (a)(1) of this section, constitute critical habitat for *Exocarpos luteolus* on Kauai. Within these units, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

(i) Wet places bordering swamps or open bogs or on open or dry ridges in lowland or montane mesic *Acacia koa*-*Metrosideros polymorpha*-dominated forest communities with *Dicranopteris linearis* and containing one or more of the following native plant species: *Bobea brevipes*, *Cheirodendron trigynum*, *Claoxylon sandwicense*, *Dianella sandwicensis*, *Dodonaea viscosa*, *Dubautia laevigata*, *Elaeocarpus bifidus*, *Hedyotis terminalis*, *Leptecophylla tameiameia*, *Melicope haupuensis*, *Peperomia* spp., *Pleomele aurea*, *Poa sandwicensis*, *Pouteria sandwicensis*, *Psychotria greenwelliae*, *Psychotria mariniana*, *Santalum freycinetianum*, or *Schiedea stellarioides*; and

(ii) Elevations between 416 and 1,453 m (1,364 and 4,766 ft).

Family Sapindaceae: *Alectryon macrococcus* (mahoe)

Kauai 11—*Alectryon macrococcus*—a, and Kauai 11—*Alectryon macrococcus*—b, identified in the legal descriptions in paragraph (a)(1) of this section, constitute critical habitat for

Alectryon macrococcus on Kauai. Within these units, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

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

(ii) Elevations between 343 and 954 m (1,126 and 3,129 ft).

Family Solanaceae: *Nothocestrum peltatum* (aiea)

Kauai 11—*Nothocestrum peltatum*—a, Kauai 11—*Nothocestrum peltatum*—b, Kauai 11—*Nothocestrum peltatum*—c, and Kauai 12—*Nothocestrum peltatum*—d, identified in the legal descriptions in paragraph (a)(1) of this section, constitute critical habitat for *Nothocestrum peltatum* on Kauai. Within these units, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

(i) 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*, *Melicope barbigera*, *Melicope haupuensis*, *Perrottetia sandwicensis*, *Pleomele aurea*, *Pouteria sandwicensis*, *Psychotria mariniana*, *Psychotria greenwelliae*, *Tetraplasandra kavaianse*, or *Xylosma* spp.; and

(ii) Elevations between 581 and 1,290 m (1,906 and 4,232 ft).

Family Solanaceae: *Solanum sandwicense* (aiakeakua, popolo)

Kauai 11—*Solanum sandwicense*—a, and Kauai 11—*Solanum sandwicense*—b, identified in the legal descriptions in paragraph (a)(1) of this section, constitute critical habitat for *Solanum sandwicense* on Kauai. Within these units, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

(i) Under forest canopies in diverse lowland or montane *Acacia koa* or *Acacia koa*-*Metrosideros polymorpha* mesic or 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

(ii) Elevations between 540 and 1,290 m (1,770 and 4,232 ft).

Family Violaceae: *Isodendron laurifolium* (aupaka)

Kauai 11—*Isodendron laurifolium*—a, and Kauai 11—*Isodendron laurifolium*—b, identified in the legal descriptions in paragraph (a)(1) of this section, constitute critical habitat for *Isodendron laurifolium* on Kauai. Within these units, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

(i) 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 barbigera*, *Melicope ovata*, *Melicope peduncularis*, *Myrsine lanaiensis*, *Nestegis sandwicensis*, *Pisonia* spp., *Pittosporum glabrum*, *Pleomele aurea*, *Pouteria sandwicensis*, *Psychotria odorata*, *Streblus pendulinus*, or *Xylosma hawaiiense*; and

(ii) Elevations between 397 and 1,164 m (1,303 and 3,817 ft).

Family Violaceae: *Isodendron longifolium* (aupaka)

Kauai 7—*Isodendron longifolium*—a, Kauai 10—*Isodendron longifolium*—b, Kauai 11—*Isodendron longifolium*—c, Kauai 11—*Isodendron longifolium*—d,