

*cyaneoides*, *Delissea rivularis*, and *Phyllostegia wawrana*) or proposed on other islands (*Platanthera holochila*).

Modifications were made to this unit to exclude highly degraded areas not essential to the conservation of *Adenophorus periens*, *Bonamia menziesii*, *Cyanea remyi*, *Cyrtandra limahuliensis*, *Isodendron longifolium*, *Labordia lydgatei*, *Lysimachia filifolia*, and *Plantago princeps*. In addition, it is unlikely that the State or private landowners will restore these areas (Buck 2002). There are other locations that have been designated to meet the recovery goals of 8 to 10 populations of each species throughout their historical ranges on Kauai (*Cyanea remyi*, *Cyrtandra limahuliensis*, and *Labordia lydgatei*) or proposed on other islands (*Adenophorus periens*, *Bonamia menziesii*, *Isodendron longifolium*, *Lysimachia filifolia*, and *Plantago princeps*).

The area designated as critical habitat provides for seven populations of *Cyanea asarifolia*; four populations of *Cyanea remyi*; six populations of *Cyanea undulata*; four populations each of *Cyrtandra limahuliensis* and *Dubautia pauciflora*; one population of *Exocarpos luteolus*; four populations of *Hesperomannia lydgatei*; three populations of *Labordia lydgatei*; four populations of *Labordia tinifolia* var. *wahiawaensis*; one population each of *Myrsine linearifolia* and *Pteralyxia kauaiensis*; and five populations each of *Viola helenae* and *Viola kauaiensis* var. *wahiawaensis* within the historical ranges for these Kauai endemic species.

The area designated as critical habitat provides for one population each of *Adenophorus periens*, *Bonamia menziesii*, and *Isodendron longifolium*, four populations of *Lysimachia filifolia*, three populations of *Phlegmariurus nutans*, and one population of *Plantago princeps* within the historical ranges for these multi-island species.

These modifications resulted in the reduction from 6,599 ha (16,307 ac) to 3,274 ha (8,090 ac). This unit was renamed Kauai 10—*Adenophorus periens*—b, Kauai 10—*Bonamia menziesii*—a, Kauai 10—*Cyanea asarifolia*—b, Kauai 10—*Cyanea remyi*—b, Kauai 10—*Cyanea undulata*—a, Kauai 10—*Cyrtandra limahuliensis*—c, Kauai 10—*Dubautia pauciflora*—a, Kauai 10—*Exocarpos luteolus*—a, Kauai 10—*Hesperomannia lydgatei*—a, Kauai 10—*Isodendron longifolium*—b, Kauai 10—*Labordia lydgatei*—b, Kauai 10—*Labordia tinifolia* var. *wahiawaensis*—a, Kauai 10—*Lysimachia filifolia*—a, Kauai 10—*Myrsine linearifolia*—b, Kauai 10—*Phlegmariurus nutans*—a, Kauai 10—*Plantago princeps*—a, Kauai 10—

*Pteralyxia kauaiensis*—b, Kauai 10—*Viola helenae*—a, and Kauai 10—*Viola kauaiensis*—a.

#### Kauai O

This unit was proposed as critical habitat for 51 species: *Adenophorus periens*, *Alectryon macrococcus*, *Alsinidendron lychnoides*, *Alsinidendron viscosum*, *Bonamia menziesii*, *Chamaesyce halemanui*, *Cyanea recta*, *Delissea rivularis*, *Diellia erecta*, *Diellia pallida*, *Diplazium molokaiensis*, *Dubautia latifolia*, *Euphorbia haeleeleana*, *Exocarpos luteolus*, *Flueggea neowawraea*, *Gouania meyenii*, *Isodendron laurifolium*, *Isodendron longifolium*, *Kokia kauaiensis*, *Lipochaeta fauriei*, *Lipochaeta micrantha*, *Lobelia niihauensis*, *Mariscus pennatiformis*, *Melicope haupuensis*, *Melicope knudsenii*, *Melicope pallida*, *Munroidendron racemosum*, *Myrsine linearifolia*, *Nothocestrum peltatum*, *Peucedanum sandwicense*, *Phyllostegia knudsenii*, *Phyllostegia waimeae*, *Phyllostegia wawrana*, *Plantago princeps*, *Platanthera holochila*, *Poa mannii*, *Poa sandvicensis*, *Poa siphonoglossa*, *Pteralyxia kauaiensis*, *Remya kauaiensis*, *Remya montgomeryi*, *Schiedea helleri*, *Schiedea kauaiensis*, *Schiedea membranacea*, *Schiedea spargulina* var. *spargulina*, *Schiedea stellarioides*, *Solanum sandwicense*, *Spermolepis hawaiiensis*, *Stenogyne campanulata*, *Xylosma crenatum*, and *Zanthoxylum hawaiiense*.

We excluded the proposed critical habitat for the Kauai endemic species *Cyanea recta* and for the multi-island species *Adenophorus periens*, *Diplazium molokaiensis*, *Isodendron longifolium*, *Mariscus pennatiformis*, *Peucedanum sandwicense*, and *Plantago princeps*. These areas are not essential for the conservation of these seven species because there are other locations that have been designated to meet the recovery goals of 8 to 10 populations of each species on Kauai (*Cyanea recta*) and proposed on other islands (*Adenophorus periens*, *Diplazium molokaiensis*, *Isodendron longifolium*, *Mariscus pennatiformis*, *Peucedanum sandwicense*, and *Plantago princeps*) that either contain higher quality habitat or have a management mandate.

Modifications were made to this unit to exclude degraded areas not essential to the conservation of *Alectryon macrococcus*, *Alsinidendron lychnoides*, *Alsinidendron viscosum*, *Chamaesyce halemanui*, *Delissea rivularis*, *Diellia erecta*, *Diellia pallida*, *Dubautia latifolia*, *Euphorbia haeleeleana*, *Exocarpos luteolus*,

*Flueggea neowawraea*, *Gouania meyenii*, *Isodendron laurifolium*, *Kokia kauaiensis*, *Lipochaeta fauriei*, *Lipochaeta micrantha*, *Lobelia niihauensis*, *Melicope haupuensis*, *Melicope knudsenii*, *Melicope pallida*, *Munroidendron racemosum*, *Myrsine linearifolia*, *Nothocestrum peltatum*, *Phyllostegia knudsenii*, *Platanthera holochila*, *Poa mannii*, *Poa sandvicensis*, *Poa siphonoglossa*, *Pteralyxia kauaiensis*, *Remya kauaiensis*, *Remya montgomeryi*, *Schiedea helleri*, *Schiedea membranacea*, *Schiedea spargulina* var. *spargulina*, *Schiedea stellarioides*, *Solanum sandwicense*, *Spermolepis hawaiiensis*, *Xylosma crenatum*, *Zanthoxylum hawaiiense*.

The area designated as critical habitat provides for ten populations of *Alsinidendron lychnoides*, nine populations of *Alsinidendron viscosum*, two populations of *Chamaesyce halemanui*, three populations of *Delissea rivularis*, one population of *Diellia pallida*, seven populations of *Dubautia latifolia*, eight populations of *Exocarpos luteolus*, three populations of *Kokia kauaiensis*, two populations each of *Lipochaeta fauriei*, *Lipochaeta micrantha*, *Melicope haupuensis*, and *Munroidendron racemosum*, five populations of *Myrsine linearifolia*, nine populations of *Nothocestrum peltatum*, three populations of *Phyllostegia waimeae*, two populations of *Phyllostegia wawrana*, three populations of *Poa mannii*, six populations of *Poa sandvicensis*, ten populations of *Poa siphonoglossa*, two populations of *Pteralyxia kauaiensis*, four populations of *Remya kauaiensis*, six populations of *Remya montgomeryi*, seven populations of *Schiedea helleri*, two populations each of *Schiedea kauaiensis*, *Schiedea membranacea*, and *Schiedea spargulina* var. *spargulina*, six populations of *Schiedea stellarioides*, three populations of *Stenogyne campanulata*, and five populations of *Xylosma crenatum* within the historical ranges for these Kauai endemic species.

The area designated as critical habitat provides for one population each of *Alectryon macrococcus*, *Bonamia menziesii*, and *Diellia erecta*, two populations of *Euphorbia haeleeleana*, one population of *Flueggea neowawraea*, two populations each of *Gouania meyenii*, *Isodendron laurifolium*, *Lobelia niihauensis*, and *Melicope knudsenii*, one population of *Melicope pallida*, four populations of *Platanthera holochila*, six populations of *Solanum sandwicense*, one population of *Spermolepis hawaiiensis*, and two populations of *Zanthoxylum*