

establishment of additional populations on Oahu in order to reach recovery goals. The habitat features contained in this unit that are essential for this species include, but are not limited to, thin guano soil on basaltic rock; arid, exposed volcanic cliffs; dry or mesic rocky ridges; or sparsely vegetated slopes. Although we do not believe that enough habitat currently exists to reach the recovery goal of 8 to 10 populations for this species, this unit is geographically separated from the other six units designated as critical habitat for this island-endemic species to avoid all recovery populations from being destroyed by one naturally occurring catastrophic event.

Oahu 20—*Chamaesyce rockii*—a

This unit is critical habitat for *Chamaesyce rockii* and is 826 ha (2,039 ac) on Federal (Oahu Forest National Wildlife Refuge), private, and State land (Kaipapau Forest Reserve, Hauula Forest Reserve, Sacred Falls State Park, Kahana Valley State Park, and Ewa Forest Reserve). This unit contains a portion of Puu Kainapua, Koolau Summit Trail, Puu Pauao, and Puu Kaaumakua. This unit provides habitat for 3 populations of 300 mature, reproducing individuals of the short-lived perennial *Chamaesyce rockii* and is currently occupied by 563 individuals. This unit is essential to the conservation of the species because it supports an extant colony of this species and includes habitat that is necessary for the expansion of the present populations. The habitat features contained in this unit that are essential for this species include, but are not limited to, gulch slopes, gulch bottoms, and ridge crests in wet *Metrosideros polymorpha-Dicranopteris linearis* forest and shrubland. This unit is geographically separated from the other two units designated as critical habitat for this island-endemic species, in order to avoid all recovery populations from being destroyed by one naturally occurring catastrophic event.

Oahu 20—*Chamaesyce rockii*—b

This unit is critical habitat for *Chamaesyce rockii* and is 197 ha (487 ac) on private and State land (Kahana Valley State Park), containing Puu Kaaumakua. This unit provides habitat for one population of 300 mature, reproducing individuals of the short-lived perennial *Chamaesyce rockii* and is currently unoccupied. This unit is essential to the conservation of the species because it supports habitat that is necessary for the establishment of additional populations on Oahu in order to reach recovery goals. The habitat features contained in this unit that are

essential for this species include, but are not limited to, gulch slopes, gulch bottoms, and ridge crests in wet *Metrosideros polymorpha-Dicranopteris linearis* forest and shrubland. This unit is geographically separated from the other two units designated as critical habitat for this island-endemic species, in order to avoid all recovery populations from being destroyed by one naturally occurring catastrophic event.

Oahu 20—*Chamaesyce rockii*—c

This unit is critical habitat for *Chamaesyce rockii* and is 258 ha (639 ac) on State (Ewa Forest Reserve) and private land, containing a portion of Eleao Summit. This unit provides habitat for one population of 300 mature, reproducing individuals of the short-lived perennial *Chamaesyce rockii* and is currently occupied by one individual. This unit is essential to the conservation of the species because it supports an extant colony of this species and includes habitat that is necessary for the expansion of the present population, which is currently considered nonviable. The habitat features contained in this unit that are essential for this species include, but are not limited to, gulch slopes, gulch bottoms, and ridge crests in wet *Metrosideros polymorpha-Dicranopteris linearis* forest and shrubland. This unit is geographically separated from the other two units designated as critical habitat for this island-endemic species, in order to avoid all recovery populations from being destroyed by one naturally occurring catastrophic event.

Oahu 4—*Colubrina oppositifolia*—a

This unit is critical habitat for *Colubrina oppositifolia* and is 782 ha (1,935 ac) on private and State land (Mokuleia Forest Reserve and Kaala and Pahole NARs), containing a portion of Dupont Trail. This unit provides habitat for 3 populations of 100 mature, reproducing individuals of the long-lived *Colubrina oppositifolia* and is currently occupied by 53 individuals. This unit is essential to the conservation of the species because it supports an extant colony of this species and includes habitat that is necessary for the expansion of the present population, which is currently considered nonviable. The habitat features contained in this unit that are essential for this species include, but are not limited to, lowland dry or mesic forests dominated by *Diospyros sandwicensis*. It provides habitat for the westernmost range of the species. This unit provides is geographically separated from critical

habitat designated on Maui for this species in order to avoid all recovery populations being destroyed by one naturally-occurring catastrophic event.

Oahu 4—*Ctenitis squamigera*—a

This unit is critical habitat for *Ctenitis squamigera* and is 120 ha (297 ac) on State land (Mokuleia Forest Reserve and Kaala NAR), containing a portion of Dupont Trail. This unit provides habitat for one population of 300 mature, reproducing individuals of the short-lived perennial *Colubrina oppositifolia* and is currently occupied by 12 individuals. This unit is essential to the conservation of the species because it supports an extant colony of this species and includes habitat that is necessary for the expansion of the present population, which is currently considered nonviable. The habitat features contained in this unit that are essential for this species include, but are not limited to, gentle to steep slopes in *Metrosideros polymorpha-Diospyros sandwicensis* mesic forest or diverse mesic forest. This unit is geographically separated from critical habitat designated on Kauai, Maui, and Molokai for this species in order to avoid all recovery populations being destroyed by one naturally-occurring catastrophic event.

Oahu 4—*Cyanea acuminata*—a

This unit is critical habitat for *Cyanea acuminata* and is 82 ha (205 ac) on State land (Mokuleia Forest Reserve, Kaala NAR, and Waianae Kai Forest Reserve). This unit provides habitat for 2 populations of 300 mature, reproducing individuals of the short-lived perennial *Cyanea acuminata* and is currently occupied by 20 individuals. This unit is essential to the conservation of the species because it supports an extant colony of this species and includes habitat that is necessary for the expansion of the present population, which is currently considered nonviable. The habitat features contained in this unit that are essential for this species include, but are not limited to, slopes, ridges, or stream banks in *Metrosideros polymorpha-Dicranopteris linearis* or *Acacia koa-Metrosideros polymorpha* wet or mesic forest or shrubland, or *Diospyros sandwicensis-Metrosideros polymorpha* lowland mesic forest. This unit is geographically separated from the other unit designated as critical habitat for this island-endemic species, in order to avoid all recovery populations from being destroyed by one naturally occurring catastrophic event.