

(186 ac) on State (Waianae Kai Forest Reserve) lands, containing Puu Kawiwi. The unit provides habitat for one population of 300 mature, reproducing individuals of the short-lived perennial *Peucedanum sandwicense* and is currently occupied by 34 individuals. The unit is important to the species' conservation because it supports an extant colony 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 to *Peucedanum sandwicense* include, but are not limited to, cliffs, slopes, or ridges in *Metrosideros polymorpha* lowland mesic forest. This unit is geographically separated from critical habitat designated on Kauai, Molokai, and Maui for this species in order to avoid all recovery populations being destroyed by one naturally-occurring catastrophic event.

Oahu 20—*Phlegmariurus nutans*—a

This unit is critical habitat for *Phlegmariurus nutans* and is 1,624 ha (4,014 ac) on State (Hauula Forest Reserve, Sacred Falls State Park, Kaipapau Forest Reserve, Kahana Valley State Park, and Ewa Forest Reserve), and private lands. Natural features found in this unit include Castle Trail, Puu Kaaumakua, and Puu Pauao. The unit provides habitat for 5 populations of 300 mature, reproducing individuals of the short-lived perennial *Phlegmariurus nutans* and is currently occupied by contains 5 individuals. This unit is essential to the species' conservation because it supports an extant colony and includes habitat that is important for the expansion of the present population, which is currently considered nonviable. The habitat features contained in this unit that are essential to *Phlegmariurus nutans* include, but are not limited to, tree trunks on open ridges, forested slopes, or cliffs in *Metrosideros polymorpha*-dominated wet forests, on cliffs, in shrublands, or in mesic forests. This unit is geographically separated from critical habitat designated on Kauai for this species in order to avoid all recovery populations being destroyed by one naturally-occurring catastrophic event.

Oahu 4—*Phyllostegia hirsuta*—a

This unit is critical habitat for *Phyllostegia hirsuta* and is 113 ha (282 ac) on State (Mokuleia Forest Reserve, Kaala NAR, and Waianae Kai Forest Reserve) lands. There are no named natural features in this unit. This unit contains 4 individuals and provides habitat for one population of 300

mature, reproducing individuals of the short-lived perennial *Phyllostegia hirsuta*. The unit is essential to the species' conservation because it supports an extant colony and includes habitat that is important for the expansion of the present population, which is currently considered nonviable. The habitat features contained in this unit that are essential to *Phyllostegia hirsuta* include, but are not limited to, steep, shaded slopes, cliffs, ridges, gullies, or stream banks in mesic or wet forests dominated by *Metrosideros polymorpha* or a mixture of *Metrosideros polymorpha* and *Dicranopteris linearis*. This unit is geographically separated from the other three units designated as critical habitat for this island-endemic species in order to avoid all recovery populations being destroyed by one naturally-occurring catastrophic event.

Oahu 15—*Phyllostegia hirsuta*—b

This unit is critical habitat for *Phyllostegia hirsuta* and is 131 ha (324 ac) on Federal (Lualualei Naval Reservation), State, and private (Honouliuli Preserve) lands, containing Puu Hapapa and Puu Kanehoa. This unit is currently occupied by 50 individuals and provides habitat for 2 populations of 300 mature, reproducing individuals of the short-lived perennial *Phyllostegia hirsuta*. The unit is essential to the species' conservation because it supports an extant colony 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 to *Phyllostegia hirsuta* include, but are not limited to, steep, shaded slopes, cliffs, ridges, gullies, or stream banks in mesic or wet forests dominated by *Metrosideros polymorpha* or a mixture of *Metrosideros polymorpha* and *Dicranopteris linearis*. This unit is geographically separated from the other three units designated as critical habitat for this island-endemic species in order to avoid all recovery populations being destroyed by one naturally-occurring catastrophic event.

Oahu 15—*Phyllostegia hirsuta*—c

This unit is critical habitat for *Phyllostegia hirsuta* and is 69 ha (171 ac) on private (Honouliuli Preserve) lands. There are no named natural features in this unit. The unit is currently occupied by 2 individuals and provides habitat for one population of 300 mature, reproducing individuals of the short-lived perennial *Phyllostegia hirsuta*. The unit is essential to the species' conservation because it

supports an extant colony 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 to *Phyllostegia hirsuta* include, but are not limited to, steep, shaded slopes, cliffs, ridges, gullies, or stream banks in mesic or wet forests dominated by *Metrosideros polymorpha* or a mixture of *Metrosideros polymorpha* and *Dicranopteris linearis*. This unit is geographically separated from the other three units designated as critical habitat for this island-endemic species in order to avoid all recovery populations being destroyed by one naturally-occurring catastrophic event.

Oahu 20—*Phyllostegia hirsuta*—d

This unit is critical habitat for *Phyllostegia hirsuta* and is 1,004 ha (2,483 ac) on State (Hauula Forest Reserve, Sacred Falls State Park, and Kaipapau Forest Reserve) and private lands, containing the Koolau Summit Trail. This unit is occupied by 39 individuals and provides habitat for 2 populations of 300 mature, reproducing individuals of the short-lived perennial *Phyllostegia hirsuta*. The unit is essential to species' conservation because it supports an extant colony 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 to *Phyllostegia hirsuta* include, but are not limited to, steep, shaded slopes, cliffs, ridges, gullies, or stream banks in mesic or wet forests dominated by *Metrosideros polymorpha* or a mixture of *Metrosideros polymorpha* and *Dicranopteris linearis*. This unit is geographically separated from the other three units designated as critical habitat for this island-endemic species in order to avoid all recovery populations being destroyed by one naturally-occurring catastrophic event.

Oahu 4—*Phyllostegia kaalaensis*—a

This unit is critical habitat for *Phyllostegia kaalaensis* and is 57 ha (141 ac) on State (Pahole NAR and Mokuleia Forest Reserve) lands. There are no named natural features in this unit. This unit is occupied by 21 individuals and provides habitat for one population of 300 mature, reproducing individuals of the short-lived perennial *Phyllostegia kaalaensis*. This unit is essential to the species' conservation because it supports an extant colony and includes habitat that is necessary for the expansion of the present population, which is currently