

This unit provides habitat for 6 populations of 100 mature, reproducing individuals of the long-lived perennial *Melicope lydgatei* and is currently occupied by 2 individuals. 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, ridges in mesic or wet forests. This unit is geographically separated from Army lands at Kawaihoa Training Area that provide habitat for five populations of this species, in order to avoid all populations from being destroyed by one naturally occurring catastrophic event (see "Analysis of Impacts Under Section 4(b)(2): Other Impacts").

Oahu 4—*Melicope pallida*—a

This unit is critical habitat for *Melicope pallida* and is 855 ha (2,110 ac) on private and State (Mokuleia Forest Reserve and Kaala and Pahole NARs) land, containing a portion of Dupont Trail. This unit provides habitat for 3 populations of 100 mature, reproducing individuals of the long-lived perennial *Melicope pallida* 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, steep rock faces in lowland dry or mesic forest. This unit is geographically separated from critical habitat designated elsewhere on Oahu and on Kauai for this species in order to avoid all recovery populations being destroyed by one naturally-occurring catastrophic event.

Oahu 15—*Melicope pallida*—b

This unit is critical habitat for *Melicope pallida* and is 174 ha (431 ac) on private (Honouliuli Preserve) land. This unit contains no named natural features. This unit provides habitat for one population of 100 mature, reproducing individuals of the long-lived perennial *Melicope pallida* 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. It provides habitat for the easternmost range of the species. The habitat features contained in this unit that are essential for this species include, but are not limited to,

steep rock faces in lowland dry or mesic forest. This unit is geographically separated from critical habitat designated elsewhere on Oahu and on Kauai for this species in order to avoid all recovery populations being destroyed by one naturally-occurring catastrophic event.

Oahu 15—*Melicope pallida*—c

This unit is critical habitat for *Melicope pallida* and is 29 ha (71 ac) on Federal (Lualualei Naval Reservation) and State land. This unit contains no named natural features. This unit, in combination with unit Oahu 15—*Melicope pallida*—d, provides habitat for one population of 100 mature, reproducing individuals of the long-lived perennial *Melicope pallida* 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, steep rock faces in lowland dry or mesic forest. This unit is geographically separated from critical habitat designated elsewhere on Oahu and on Kauai for this species in order to avoid all recovery populations being destroyed by one naturally-occurring catastrophic event.

Oahu 15—*Melicope pallida*—d

This unit is critical habitat for *Melicope pallida* and is 20 ha (51 ac) on State and Federal (Lualualei Naval Reservation) land. This unit, in combination with unit Oahu 15—*Melicope pallida*—c, contains no named natural features. This unit provides habitat for one population of 100 mature, reproducing individuals of the long-lived perennial *Melicope pallida* 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, steep rock faces in lowland dry or mesic forest. This unit is geographically separated from critical habitat designated elsewhere on Oahu and on Kauai for this species in order to avoid all recovery populations being destroyed by one naturally-occurring catastrophic event.

Oahu 15—*Melicope pallida*—e

This unit is critical habitat for *Melicope pallida* and is 243 ha (602 ac) on private (Honouliuli Preserve) land.

This unit contains no named natural features. This unit provides habitat for one population of 100 mature, reproducing individuals of the long-lived perennial *Melicope pallida* 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. It provides habitat for the easternmost range of the species. The habitat features contained in this unit that are essential for this species include, but are not limited to, steep rock faces in lowland dry or mesic forest. This unit is geographically separated from critical habitat designated elsewhere on Oahu and on Kauai for this species in order to avoid all recovery populations being destroyed by one naturally-occurring catastrophic event.

Oahu 15—*Melicope saint-johnii*—a

This unit is critical habitat for *Melicope saint-johnii* and is 244 ha (604 ac) on Federal (Lualualei Naval Reservation), State, and private (Honouliuli Preserve) land, containing a portion of Puu Hapapa, Puu Kanehoa, and Puu Kaua. This unit provides habitat for 2 populations of 100 mature, reproducing individuals of the long-lived perennial *Melicope saint-johnii* and is currently occupied by 4 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, ridges or gulch bottoms in mesic forest. Although we do not believe that enough critical habitat currently exists to reach the recovery goal of 8 to 10 populations for this species, this unit is geographically separated from the other unit designated as critical habitat for this island-endemic species to avoid all recovery populations from being destroyed by one naturally occurring catastrophic event.

Oahu 15—*Melicope saint-johnii*—b

This unit is critical habitat for *Melicope saint-johnii* and is 214 ha (529 ac) on Federal (Lualualei Naval Reservation), State (Nanakuli Forest Reserve), and private (Honouliuli Preserve) land, containing a portion of Palikea Summit. This unit provides habitat for one population of 100