

is 22 ha (55 ac) on State (Waianae Kai Forest Reserve) lands, containing Puu Kawiwi. The unit, in combination with Oahu 4—*Viola chamissoniana* ssp. *chamissoniana*—b, provides habitat for one population of 300 mature, reproducing individuals of the short-lived perennial *Viola chamissoniana* ssp. *chamissoniana* and is occupied by 5 individuals. 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 considered nonviable. The habitat features contained in this unit that are essential to *Viola chamissoniana* ssp. *chamissoniana* include, but are not limited to, dry cliffs, rocky ledges, or steep slopes in mesic shrubland or cliff vegetation. This unit is geographically separated from the other five 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 10—*Viola chamissoniana* ssp. *chamissoniana*—d

This unit is critical habitat for *Viola chamissoniana* ssp. *chamissoniana* and is 6 ha (15 ac) on Federal lands (Lualualei Naval Reservation). There are no named natural features in this unit. The unit, in combination with Oahu 15—*Viola chamissoniana* ssp. *chamissoniana*—e, provides habitat for one population of 300 mature, reproducing individuals of the short-lived perennial *Viola chamissoniana* ssp. *chamissoniana* and is currently unoccupied. This unit is essential to the species' conservation 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 to *Viola chamissoniana* ssp. *chamissoniana* include, but are not limited to, dry cliffs, rocky ledges, or steep slopes in mesic shrubland or cliff vegetation. This unit is geographically separated from the other five 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—*Viola chamissoniana* ssp. *chamissoniana*—e

This unit is critical habitat for *Viola chamissoniana* ssp. *chamissoniana* and is 13 ha (31 ac) on Federal lands (Lualualei Naval Reservation). There are no named natural features in this unit. The unit, in combination with Oahu

10—*Viola chamissoniana* ssp. *chamissoniana*—d, provides habitat for one population of 300 mature, reproducing individuals of the short-lived perennial *Viola chamissoniana* ssp. *chamissoniana* and is currently unoccupied. This unit is essential to the species' conservation 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 to *Viola chamissoniana* ssp. *chamissoniana* include, but are not limited to, dry cliffs, rocky ledges, or steep slopes in mesic shrubland or cliff vegetation. This unit is geographically separated from the other five 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—*Viola chamissoniana* ssp. *chamissoniana*—f

This unit is critical habitat for *Viola chamissoniana* ssp. *chamissoniana* and is 29 ha (72 ac) on Federal (Lualualei Naval Reservation) and private lands. There are no named natural features in this unit. The unit provides habitat for one population of 300 mature, reproducing individuals of the short-lived perennial *Viola chamissoniana* ssp. *chamissoniana* and is occupied by 3 individuals. 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 considered nonviable. The habitat features contained in this unit that are essential to *Viola chamissoniana* ssp. *chamissoniana* include, but are not limited to, dry cliffs, rocky ledges, or steep slopes in mesic shrubland or cliff vegetation. This unit is geographically separated from the other five 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—*Viola oahuensis*—a

This unit is critical habitat for *Viola oahuensis* and is 903 ha (2,232 ac) on Federal (Oahu Forest National Wildlife Refuge), State (Hauula Forest Reserve, Sacred Falls State Park, Kaipapau Forest Reserve, Kahana Valley State Park, Ewa Forest Reserve, and Waiahole Forest Reserve), and private lands, containing Eleao Summit, Puu Kahuaui, Puu Keahiakahoe, Puu Pauao, and the Koolau Summit Trail. The unit provides habitat for 6 populations of 300 mature,

reproducing individuals of the short-lived perennial *Viola oahuensis* and is occupied by 67 individuals. 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 considered nonviable. The habitat features contained in this unit that are essential to *Viola oahuensis* include, but are not limited to, exposed, windswept ridges of moderate to steep slope in wet *Metrosideros polymorpha-Dicranopteris linearis* shrublands or *Metrosideros polymorpha* mixed montane bogs in the cloud zone. 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 being destroyed by one naturally-occurring catastrophic event.

Oahu 35—*Viola oahuensis*—b

This unit is critical habitat for *Viola oahuensis* and is 74 ha (186 ac) on State (Honolulu Watershed Forest Reserve) lands, containing Konahuanui Summit and Mount Olympus. The unit provides habitat for one population of 300 mature, reproducing individuals of the short-lived perennial *Viola oahuensis* and is currently unoccupied. This unit is essential to the species' conservation 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 to *Viola oahuensis* include, but are not limited to, exposed, windswept ridges of moderate to steep slope in wet *Metrosideros polymorpha-Dicranopteris linearis* shrublands or *Metrosideros polymorpha* mixed montane bogs in the cloud zone. 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 being destroyed by one naturally-occurring catastrophic event.

Effects of Critical Habitat Designation

Section 7 Consultation

Section 7(a) of the Act requires Federal agencies, including the Service, to ensure that actions they fund, authorize, or carry out are not likely to destroy or adversely modify critical habitat. Destruction or adverse modification of critical habitat occurs when a Federal action directly or indirectly alters critical habitat to the extent that it appreciably diminishes the value of critical habitat for the conservation of the species. Individuals,