

geographically separated from critical habitat designated elsewhere on Oahu and on Molokai and Maui for this species in order to avoid all recovery populations being destroyed by one naturally-occurring catastrophic event.

*Oahu 4—Sanicula mariversa—a*

This unit is critical habitat for *Sanicula mariversa* and is 7 ha (17 ac) on State (Makua Keauu Forest Reserve) lands. There are no named natural features in this unit. The unit, in combination with Oahu 6—*Sanicula mariversa*—d, provides habitat for one population of 300 mature, reproducing individuals of the short-lived perennial *Sanicula mariversa* 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 *Sanicula mariversa* include, but are not limited to, well-drained, dry slopes or rock faces in mesic shrublands or open grassy areas. 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 five 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 4—Sanicula mariversa—b*

This unit is critical habitat for *Sanicula mariversa* and is 6 ha (15 ac) on State (Kaala NAR) lands, containing Kamaohanui Summit. The unit provides habitat for one population of 300 mature, reproducing individuals of the short-lived perennial *Sanicula mariversa* 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 *Sanicula mariversa* include, but are not limited to, well-drained, dry slopes or rock faces in mesic shrublands or open grassy areas. 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 five 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 4—Sanicula mariversa—c*

This unit is critical habitat for *Sanicula mariversa* and is 25 ha (61 ac) on State (Waianae Kai Forest Reserve) lands, containing Puu Kawiwi and Puu Kepauala. The unit provides habitat for 2 populations of 300 mature, reproducing individuals of the short-lived perennial *Sanicula mariversa* and is occupied by 2 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 *Sanicula mariversa* include, but are not limited to, well-drained, dry slopes or rock faces in mesic shrublands or open grassy areas. 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 five 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 6—Sanicula mariversa—d*

This unit is critical habitat for *Sanicula mariversa* and is 3 ha (8 ac) on State (Makua Keauu Forest Reserve) lands. There are no named natural features in this unit. The unit, in combination with Oahu 6—*Sanicula mariversa*—a, provides habitat for one population of 300 mature, reproducing individuals of the short-lived perennial *Sanicula mariversa* and is occupied by 30 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 *Sanicula mariversa* include, but are not limited to, well-drained, dry slopes or rock faces in mesic shrublands or open grassy areas. 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 five 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 15—Sanicula mariversa—e*

This unit is critical habitat for *Sanicula mariversa* and is 14 ha (34 ac)

on private (Honouliuli Preserve) lands, containing Puu Hapapa. The unit provides habitat for one population of 300 mature, reproducing individuals of the short-lived perennial *Sanicula mariversa* 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 *Sanicula mariversa* include, but are not limited to, well-drained, dry slopes or rock faces in mesic shrublands or open grassy areas. 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 five 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 15—Sanicula mariversa—f*

This unit is critical habitat for *Sanicula mariversa* and is 39 ha (95 ac) on State and private (Honouliuli Preserve) lands, containing Puu Kanehoa and Puu Kaua. The unit provides habitat for one population of 300 mature, reproducing individuals of the short-lived perennial *Sanicula mariversa* 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 *Sanicula mariversa* include, but are not limited to, well-drained, dry slopes or rock faces in mesic shrublands or open grassy areas. 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 five 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—Sanicula purpurea—a*

This unit is critical habitat for *Sanicula purpurea* and is 704 ha (1,739 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, Waiahole Forest Reserve), and private lands, containing Eleao Summit, Puu Kaaumakua, Puu Kahuaui, Puu