

Oahu 20—*Cyanea acuminata*—b

This unit is critical habitat for *Cyanea acuminata* and is 2,522 ha (6,231 ac) on private and State land (Hauula Forest Reserve, Sacred Falls State Park, Kahana Valley State Park, Kaipapau Forest Reserve, and Waiahole Forest Reserve). This unit contains a portion of Castle Trail, Koolau Summit Trail, Puu Pauao, Puu Kaaumakua, Kipapa Trail, and Eleao Summit. This unit provides habitat for 3 populations of 300 mature, reproducing individuals of the short-lived perennial *Cyanea acuminata* and is currently occupied by 30 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.

Oahu 20—*Cyanea crispa*—a

This unit is critical habitat for *Cyanea crispa* and is 1,831 ha (4,525 ac) on private and State land (Hauula Forest Reserve, Sacred Falls State Park, and Kaipapau Forest Reserve). This unit contains Sacred Falls and a portion of Castle Trail. This unit provides habitat for one population of 300 mature, reproducing individuals of the short-lived perennial *Cyanea crispa* and is currently occupied by 11 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, moist gullies, or stream banks in open mesic forests or closed wet forests. 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 from being destroyed by one naturally occurring catastrophic event.

Oahu 20—*Cyanea crispa*—b

This unit is critical habitat for *Cyanea crispa* and is 3,860 ha (9,529 ac) on private, Federal, and State land (Waiahole Forest Reserve, Kaneohe Forest Reserve, Keaiwa Heiau State Recreation Area, and Fort Shafter). This unit contains a portion of Aiea Loop Trail, Halawa Trail, Luluku Tunnel, Puu Kahuauli, Puu Kawipoo, Puu Keahiakahoe, and Puu Uau. This unit provides habitat for 3 populations of 300 mature, reproducing individuals of the short-lived perennial *Cyanea crispa* 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, slopes, moist gullies, or stream banks in open mesic forests or closed wet forests. 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 from being destroyed by one naturally occurring catastrophic event.

Oahu 21—*Cyanea crispa*—c

This unit is critical habitat for *Cyanea crispa* and is 302 ha (747 ac) on private and State land (Kahana Valley State Park), containing a portion of Hidden Valley. This unit provides habitat for one population of 300 mature, reproducing individuals of the short-lived perennial *Cyanea crispa* and is currently occupied by 13 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, moist gullies, or stream banks in open mesic forests or closed wet forests. 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 from being destroyed by one naturally occurring catastrophic event.

Oahu 35—*Cyanea crispa*—d

This unit is critical habitat for *Cyanea crispa* and is 1,336 ha (3,301 ac) on private and State land (Honolulu Watershed Forest Reserve). This unit contains a portion of Kaau Crater, Kainawaaunui Summit, Konahuanui

Summit, Manoa Falls, Manoa Tunnel, Mount Olympus, Palikea Summit, Puu Lanipo, and Waaloa Spring. This unit provides habitat for 3 populations of 300 mature, reproducing individuals of the short-lived perennial *Cyanea crispa* and is currently occupied by 27 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, moist gullies, or stream banks in open mesic forests or closed wet forests. 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 from being destroyed by one naturally occurring catastrophic event.

Oahu 20—*Cyanea grimesiana* ssp. *grimesiana*—a

This unit is critical habitat for *Cyanea grimesiana* ssp. *grimesiana* and is 2,634 ha (6,506 ac) on State (Ewa Forest Reserve and Keaiwa Heiau State Recreation Area) and private land. This unit contains a portion of Aiea Loop Trail, Puu Kawipoo, Puu Uau, and Waimano Trail. This unit provides habitat for 2 populations of 300 mature, reproducing individuals of the short-lived perennial *Cyanea grimesiana* ssp. *grimesiana* 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, rocky or steep slopes of stream banks in mesic forest often dominated by *Metrosideros polymorpha* or *Metrosideros polymorpha* and *Acacia koa*. It provides habitat for the westernmost range of the species. This unit is 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 35—*Cyanea grimesiana* ssp. *grimesiana*—b

This unit is critical habitat for *Cyanea grimesiana* ssp. *grimesiana* and is 330 ha (814 ac) on private and State land (Honolulu Watershed Forest Reserve). This unit contains no named natural features. This unit provides habitat for