

Hawaii 11—*Cyanea hamatiflora* ssp. *carlsonii*—a through Hawaii 16—*Cyanea hamatiflora* ssp. *carlsonii*—d

We are designating four units of critical habitat for *Cyanea hamatiflora* ssp. *carlsonii*, a short-lived perennial. They contain habitat features that are essential for this species including, but not limited to, mesic montane forest dominated by *Metrosideros polymorpha* or *Acacia koa*. Two of the units, “Hawaii 11—*Cyanea hamatiflora* ssp. *carlsonii*—a” and “Hawaii 16—*Cyanea hamatiflora* ssp. *carlsonii*—d” currently are occupied. These two units are each essential to the conservation of *C. hamatiflora* ssp. *carlsonii* because each supports an extant colony of this species and includes habitat that is important for the expansion of the present population, which is currently considered nonviable. Each of the two currently unoccupied units is essential to the conservation of the species because each supports habitat that is necessary for the establishment of additional populations in order to reach recovery goals. The four critical habitat units are geographically separated in order to avoid destruction of habitat for all populations by one naturally occurring catastrophic event. The designation of these four units provides habitat for a total of eight populations of *C. hamatiflora* ssp. *carlsonii*, each with 300 mature, reproducing individuals.

Hawaii 11—*Cyanea hamatiflora* ssp. *carlsonii*—a: This unit contains no named natural features and lies completely within the Waiaha watershed. The unit, which is completely within the Honuaua Forest Reserve, provides habitat for 1 population of 300 individuals and is currently occupied by about 14 individuals. This unit provides the northernmost critical habitat within the species’ historical range.

Hawaii 14—*Cyanea hamatiflora* ssp. *carlsonii*—b: This unit contains no named natural features and lies completely within the Kiilae watershed. The unit, which is completely within the Kona Unit of Hakalau Forest NWR, provides habitat for 2 populations of 300 individuals and is currently unoccupied.

Hawaii 15—*Cyanea hamatiflora* ssp. *carlsonii*—c: This unit contains no named natural features, lies completely within the Kiilae watershed, and contains portions of the South Kona Forest Reserve. The unit provides habitat for 4 populations of 300 individuals and is currently unoccupied.

Hawaii 16—*Cyanea hamatiflora* ssp. *carlsonii*—d: This unit contains no

named natural features, it lies completely within the Kiilae watershed, and is completely within Kipahoe NAR. The unit provides habitat for 1 population of 300 individuals is currently occupied by 1 individual. This unit provides the southernmost critical habitat within the species’ historical range.

Hawaii 3—*Cyanea platyphylla*—a and Hawaii 29—*Cyanea platyphylla*—b

We are designating two critical habitat units for *Cyanea platyphylla*, a short-lived perennial. Both units are currently occupied. They contain habitat features that are essential for this species including, but not limited to, open *Metrosideros polymorpha*-*Acacia koa* lowland and montane wet forests. Each unit is essential to the conservation of *C. platyphylla* because it supports an extant colony of this island-endemic species and includes habitat that is important for the expansion of the present population, which is currently considered nonviable. This unit is geographically separated to avoid their destruction by one naturally occurring catastrophic event. This rule designates critical habitat for a total of nine populations of this species, each with 300 mature, reproducing individuals.

Hawaii 3—*Cyanea platyphylla*—a: This unit contains a portion of Haakoa, Kaiwilahilahi, and Kilau streams and is bordered in the northwest by Laupahoe watershed and in the southeast by Maulua watershed. It also contains portions of Haakoa, Kaiwilahilahi, Kilau, Manowaiopae, and Pahale watersheds. The unit lies almost completely within Laupahoe NAR with a small portion in the northwest in the Hilo Forest Reserve. This unit provides habitat for three populations of 300 individuals of *C. platyphylla* and is currently occupied by 57 individuals.

Hawaii 29—*Cyanea platyphylla*—b: This unit contains Waterhole Spring, a portion of the Wailuku River, and a branch of the Kalohehewa Stream. It lies completely within the Wailuku watershed. The unit also lies almost completely within the Hilo Forest Reserve. This unit provides habitat for 6 populations of 300 individuals of *C. platyphylla*; and is currently occupied by 1 individual.

Hawaii 1—*Cyanea shipmanii*—a through Hawaii 30—*Cyanea shipmanii*—c

We are designating three critical habitat units for *Cyanea shipmanii*, a short-lived perennial. Two of the units, “Hawaii 1—*Cyanea shipmanii*—a” and “Hawaii 30—*Cyanea shipmanii*—b,” are currently occupied. Each of these two

units is essential to the conservation of *C. shipmanii* because it supports an extant colony of this species and includes habitat that is important for the expansion of the present population, which is currently considered nonviable. The unoccupied unit, “Hawaii 30—*Cyanea shipmanii*—c,” is essential to the conservation of the species because it supports habitat that is necessary for the establishment of additional populations in order to reach recovery goals. They contain habitat features that are essential for this species including, but not limited to, mesic forest dominated by *Acacia koa*-*Metrosideros polymorpha*. Although we do not believe enough habitat currently exists to reach the recovery goal of 8 to 10 populations for this island-endemic species, the three units are geographically separated to reduce the likelihood of their destruction by one naturally occurring catastrophic event. Within the three units, habitat is provided for a total of seven populations, each with 300 mature, reproducing individuals of *C. shipmanii*.

Hawaii 1—*Cyanea shipmanii*—a: This unit contains Puu Akala and portions of Awehi, Honolii, and Kapue streams. It is bordered by Kolekole watershed in the north and Wailuku in the south, with Honolii and Kapue watersheds in the central portion. The unit is completely within Hakalau Forest NWR; provides habitat for 3 populations of 300 individuals of *C. shipmanii*; and is currently occupied by 1 individual.

Hawaii 30—*Cyanea shipmanii*—b: This unit contains no named natural features, lies completely within the Wailoa watershed, and is completely within the Mauna Loa Forest Reserve. The unit provides habitat for 1 population of 300 individuals of *C. shipmanii*; and is currently occupied by 1 individual.

Hawaii 30—*Cyanea shipmanii*—c: This unit, which contains no named natural features, lies almost completely within the Wailoa watershed with a small segment of the southern portion lying in the Kaahakini watershed. The unit is completely within the Olaa-Kilauea Partnership. This unit provides habitat for 3 populations of 300 individuals of *C. shipmanii*; and is currently unoccupied.

Hawaii 15—*Cyanea stictophylla*—a through Hawaii 30—*Cyanea stictophylla*—d

We are designating four units of critical habitat for *Cyanea stictophylla*, a short-lived perennial. Two of the units, “Hawaii 15—*Cyanea stictophylla*—a” and “Hawaii 16—