

essential for this species include, but are not limited to, narrow drainages and seepy stream banks in *Metrosideros polymorpha* dry to wet montane forest or shrubland. This unit is of an appropriate size so that each potential recovery population on Kauai within the unit is geographically separated enough to avoid their destruction by one naturally occurring catastrophic event.

Kauai 11—*Cyperus trachysanthos*—a

This unit is critical habitat for *Cyperus trachysanthos* and is 272 ha (672 ac) on State land (Na Pali Coast State Park and Puu Ka Pele Forest Reserve) and extends along the coast from Makaha point to Hanakoa Valley. This unit provides habitat for six populations of 300 mature, reproducing individuals of the short-lived perennial *Cyperus trachysanthos* and is currently occupied with over 300 plants. This unit is essential to the conservation of the taxon because it supports an extant colony of this species and includes habitat that is important for the expansion of the present population. It provides habitat for the westernmost range of the species. The habitat features contained in this unit that are essential for this species include, but are not limited to, wet sites (mud flats, wet clay soil, or wet cliff seeps) on seepy flats or talus slopes. This unit provides for six populations within this multi-island species' historical range on Kauai that are some distance away from the other critical habitat for this species, in order to avoid all recovery populations from being destroyed by one naturally occurring catastrophic event.

Kauai 4—*Cyrtandra cyaneoides*—a

This unit is critical habitat for *Cyrtandra cyaneoides* and is 376 ha (929 ac) on State (Kealia and Lihue-Koloa Forest Reserves) and private land. This unit contains Leleiwi, Makaleha, Puu Eu, and Wekiu Summits. This unit provides habitat for two populations of 300 mature, reproducing individuals of the short-lived perennial *Cyrtandra cyaneoides* and is currently occupied with one plant. This unit is essential to the conservation of the taxon 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 non-viable. The habitat features contained in this unit that are essential for this species include, but are not limited to, talus rubble on steep slopes or cliffs with water seeps running below, near streams or waterfalls in lowland or montane wet forest or shrubland dominated by *Metrosideros polymorpha* or a mixture of

*Metrosideros polymorpha*, *Cheirodendron* spp., and *Dicranopteris linearis*. This unit is geographically separated from the other two units designated as critical habitat for this island endemic species, in order to avoid all recovery populations from being destroyed by one naturally occurring catastrophe.

Kauai 11—*Cyrtandra cyaneoides*—b

This unit is critical habitat for *Cyrtandra cyaneoides* and is 849 ha (2,098 ac) on State (Halelea Forest Reserve) and private land. This unit contains Mount Namolokama and Kaliko and Puu Manu Summits. This unit provides habitat for four populations of 300 mature, reproducing individuals of the short-lived perennial *Cyrtandra cyaneoides* and is currently occupied with between 51 and 101 plants. This unit is essential to the conservation of the taxon 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 non-viable. The habitat features contained in this unit that are essential for this species include, but are not limited to, talus rubble on steep slopes or cliffs with water seeps running below, near streams or waterfalls in lowland or montane wet forest or shrubland dominated by *Metrosideros polymorpha* or a mixture of *Metrosideros polymorpha*, *Cheirodendron* spp., and *Dicranopteris linearis*. This unit is geographically separated from the other two units designated as critical habitat for this island-endemic species, in order to avoid all recovery populations from being destroyed by one naturally occurring catastrophe.

Kauai 11—*Cyrtandra cyaneoides*—c

This unit is critical habitat for *Cyrtandra cyaneoides* and is 1,117 ha (2,761 ac) on State (Halelea Forest Reserve) and private land. This unit contains Hinaelele Falls and portions of Mahinakehau Ridge. This unit provides habitat for four populations of 300 mature, reproducing individuals of the short-lived perennial *Cyrtandra cyaneoides* and is currently occupied with over 300 plants. This unit is essential to the conservation of the taxon because it supports an extant colony of this species and includes habitat that is important for the expansion of the present population. The habitat features contained in this unit that are essential for this species include, but are not limited to, talus rubble on steep slopes or cliffs with water seeps running below, near streams

or waterfalls in lowland or montane wet forest or shrubland dominated by *Metrosideros polymorpha* or a mixture of *Metrosideros polymorpha*, *Cheirodendron* spp., and *Dicranopteris linearis*. This unit is geographically separated from the other two units designated as critical habitat for this island-endemic species, in order to avoid all recovery populations from being destroyed by one naturally occurring catastrophe.

Kauai 4—*Cyrtandra limahuliensis*—a

This unit is critical habitat for *Cyrtandra limahuliensis* and is 501 ha (1,238 ac) on State (Kealia and Moloaa Forest Reserves) and private land. This unit contains portions of Mount Namahana, Leileiwi, Keana Kolea, Puuawa, and Anahola Stream. This unit provides habitat for one population of 300 mature, reproducing individuals of the short-lived perennial *Cyrtandra limahuliensis* and is currently occupied with between 51 and 101 plants. This unit is essential to the conservation of the taxon 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 non-viable. The habitat features contained in this unit that are essential for this species include, but are not limited to, stream banks in lowland wet forests. This unit is geographically separated from the other four units designated as critical habitat for this island-endemic species, in order to avoid all recovery populations from being destroyed by one naturally occurring catastrophe. The six to seven other plants on Kauai are not included in critical habitat because the habitat they occupy is not considered essential to the conservation of this species. The more intact and appropriate habitat within its historical range on Kauai, is being designated as critical habitat.

Kauai 4—*Cyrtandra limahuliensis*—b

This unit is critical habitat for *Cyrtandra limahuliensis* and is 354 ha (874 ac) on State (Kealia Forest Reserve) and private land. This unit contains Leleiwi Summit and portions of the Makaleha Mountains. This unit provides habitat for one population of 300 mature, reproducing individuals of the short-lived perennial *Cyrtandra limahuliensis* and is currently occupied with 109 plants. This unit is essential to the conservation of the taxon 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 non-viable. The habitat