

(136 ac) on State land (Alakai Wilderness Preserve) and contains a portion of the Mohihi Waialai Trail, Mohihi Stream and the Alakai Swamp. This unit provides habitat for two populations of 100 mature, reproducing individuals of the long-lived perennial *Alsinidendron lychnoides* and is currently unoccupied. This unit is essential to the conservation of the taxon because it supports habitat that is essential to the establishment of additional populations on Kauai 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, steep riparian clay or silty soil banks in montane wet forests. 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—*Alsinidendron viscosum*—a

This unit is critical habitat for *Alsinidendron viscosum* and is 736 ha (1,820 ac) on State land (Alakai Wilderness Preserve). This unit contains portions of Kaluahaulu and Kawaiiki Ridge. This unit provides habitat for seven populations of 300 mature, reproducing individuals of the short-lived perennial *Alsinidendron viscosum* and is currently occupied with 26 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, steep slopes in *Acacia koa-Metrosideros polymorpha* lowland or montane mesic forest. This unit is geographically separated from other 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—*Alsinidendron viscosum*—b

This unit is critical habitat for *Alsinidendron viscosum* and is 17 ha (42 ac) on State land (Kokee State Park) and contains a portion of Kumuela Ridge. This unit, in combination with *Alsinidendron viscosum*—c, provides habitat for one population of 300 mature, reproducing individuals of the short-lived perennial *Alsinidendron viscosum* and is currently unoccupied. This unit is essential to the conservation of the taxon because it supports habitat

that is essential to the establishment of additional populations on Kauai 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, steep slopes in *Acacia koa-Metrosideros polymorpha* lowland or montane mesic forest. This unit is geographically separated from other 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—*Alsinidendron viscosum*—c

This unit is critical habitat for *Alsinidendron viscosum* and is 22 ha (55 ac) on State land (Kokee State Park) and contains a portion of Kauaikinana Stream and Kumuela Trail and Ridge. This unit, in combination with *Alsinidendron viscosum*—b, provides habitat for one population of 300 mature, reproducing individuals of the short-lived perennial *Alsinidendron viscosum* and is currently unoccupied. This unit is essential to the conservation of the taxon because it supports habitat that is essential to the establishment of additional populations on Kauai 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, steep slopes in *Acacia koa-Metrosideros polymorpha* lowland or montane mesic forest. This unit is geographically separated from other 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—*Alsinidendron viscosum*—d

This unit is critical habitat for *Alsinidendron viscosum* and is 61 ha (150 ac) on State land (Alakai Wilderness Preserve) and contains a portion of Mohihi Waialae Trail and Kohua Ridge. This unit provides habitat for one population of 300 mature, reproducing individuals of the short-lived perennial *Alsinidendron viscosum* and is currently occupied with 26 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, steep slopes in *Acacia koa-Metrosideros polymorpha* lowland or montane mesic forest. This unit is geographically separated from the other three units designated as critical habitat

for this island-endemic species to avoid all recovery populations from being destroyed by one naturally occurring catastrophe. The 267 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 appropriate habitat on Kauai, within its historical range, are being designated as critical habitat.

Kauai 10—*Bonamia menziesii*—a

This unit is critical habitat for *Bonamia menziesii* and is 420 ha (1,038 ac) on State (Lihue-Koloa Forest Reserve) and private land. This unit contains Kahili Summit and portions of Kanaele Swamp. This unit provides habitat for one population of 300 mature, reproducing individuals of the short-lived perennial *Bonamia menziesii* and is currently occupied with 25 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. It provides habitat for the westernmost range of the species and wet habitat that is unique to the Kauai populations. The habitat features contained in this unit that are essential for this species include, but are not limited to, dry, mesic, or wet *Metrosideros polymorpha-Cheirodendron-Dicranopteris* forest. This unit provides for one population within this multi-island species' historical range on Kauai that is 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 11—*Bonamia menziesii*—b

This unit is critical habitat for *Bonamia menziesii* and is 93 ha (229 ac) on State land (Alakai Wilderness Preserve) and contains a portion of Koaie Stream and Kipalau Valley. This unit provides habitat for one population of 300 mature, reproducing individuals of the short-lived perennial *Bonamia menziesii* 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. It provides habitat for the westernmost range of the species and wet habitat that is unique to the Kauai populations. The habitat features contained in this unit that are essential for this species include, but are