

TABLE 4.—APPROXIMATE CRITICAL HABITAT DESIGNATED AREA BY UNIT AND LANDOWNERSHIP OR JURISDICTION, MAUI COUNTY, HAWAII

Unit name	State/local	Private	Federal	Total
Lanai 1— <i>Tetramolopium remyi</i>	151 ha (373 ac) .....	.....	151 ha (373 ac)
Lanai 2— <i>Bidens micrantha</i> ssp. <i>kalealaha</i> —North.	53 ha (131 ac) .....	.....	53 ha (131 ac)
Lanai 3— <i>Bidens micrantha</i> ssp. <i>kalealaha</i> —Middle.	60 ha (148 ac) .....	.....	60 ha (148 ac)
Lanai 4— <i>Bidens micrantha</i> ssp. <i>kalealaha</i> —South.	48 ha (118 ac) .....	.....	48 ha (118 ac)
Lanai 5— <i>Portulaca sclerocarpa</i> —Coast	7 ha (17 ac) .....	.....	7 ha (17 ac)
Lanai 6— <i>Portulaca sclerocarpa</i> —Isle	1 ha (2 ac) .....	.....	1 ha (2 ac)
Grand Total	320 ha (789 ac) .....	.....	320 ha (789 ac)

Descriptions of Critical Habitat Units

Lanai 1—*Tetramolopium remyi*

This unit is critical habitat for *Tetramolopium remyi* and is 151 ha (373 ac) on privately owned land. It lies approximately between 182 m (600 ft) and 274 m (900 ft) elevation, is slightly east of Puumaiekahi Gulch, contains a portion of Lapaiki Gulch and is completely in a conservation district (limited use). Awalua Road runs through the western portion of this unit. This unit provides habitat for one population of 300 mature, reproducing individuals of the short-lived perennial and is currently unoccupied. The habitat features contained in this unit that are important for this species include, but are not limited to, predominantly red sandy loam in a *Dodonaea viscosa*-*Heteropogon contortus* community. In addition, this area is the most likely to contain a viable seed bank on the north side of the island because of the existence within the past year of mature, seed-bearing individuals in this area and because plants from drought-prone sites tend to survive through the existence of seed banks. The State of Hawaii is managing a small portion of this unit by fencing the area to control feral ungulates around the recently extirpated known individuals. This unit provides for one population within this multi-island species' historical range on Lanai.

Lanai 2—*Bidens micrantha* ssp. *kalealaha*—North

This unit is critical habitat for *Bidens micrantha* ssp. *kalealaha* and is 53 ha (131 ac) on privately owned land. This unit lies west of Lanai 3 and includes most of Kapohaku Gulch. This unit provides habitat for one population of 300 mature, reproducing individuals of this short-lived perennial and is currently unoccupied. The habitat features contained in this unit that are important for this species include, but

are not limited to, gulch slopes in dry *Dodonaea viscosa* shrubland. This critical habitat unit provides area for one population within the historical range of this multi-island species and is in the gulch adjacent to the occupied unit Lanai 3—*Bidens micrantha* ssp. *kalealaha*—Middle. It is geographically separated (by a ridge) from other designated critical habitat units on this and other islands in order to avoid all populations from being destroyed by one naturally occurring catastrophic event.

Lanai 3—*Bidens micrantha* ssp. *kalealaha*—Middle

This unit is critical habitat for *Bidens micrantha* ssp. *kalealaha* and is 60 ha (148 ac) on privately owned land. This unit lies between Lanai 2 and Lanai 4 and includes most of Waiapaa Gulch and Waiakaiole Gulch. This unit provides habitat for one population of 300 mature, reproducing individuals of this short-lived perennial and is currently occupied by less than 20 individuals. This unit is important to the conservation of the species because it supports the one extant colony of this species on Lanai. This unit also includes habitat that is important for the expansion of the present population. The habitat features contained in this unit that are important for this species include, but are not limited to, gulch slopes in dry *Dodonaea viscosa* shrubland. This critical habitat unit provides area for one population within the historical range of this multi-island species. It is geographically separated by a ridge from other designated critical habitat units on this and other islands in order to avoid all populations from being destroyed by one naturally occurring catastrophic event.

Lanai 4—*Bidens micrantha* ssp. *kalealaha*—South

This unit is critical habitat for *Bidens micrantha* ssp. *kalealaha* and is 48 ha

(118 ac) on privately owned land. This unit lies east of Lanai 3 and includes most of Paliakoe Gulch. This unit provides habitat for one population of 300 mature, reproducing individuals of this short-lived perennial and is currently unoccupied. The habitat features contained in this unit that are important for this species include, but are not limited to, gulch slopes in dry *Dodonaea viscosa* shrubland. This critical habitat unit provides area for one recovery population within the historical range of this multi-island species and is in a gulch adjacent to the occupied unit Lanai 3—*Bidens micrantha* ssp. *kalealaha*—Middle. It is geographically separated by a ridge from other designated critical habitat units on this and other islands in order to avoid all populations from being destroyed by one naturally occurring catastrophic event.

Lanai 5—*Portulaca sclerocarpa*—Coast

This unit is critical habitat for *Portulaca sclerocarpa* and is 7 ha (17 ac) on privately owned land. This unit lies along the shore between Anapuka in the west and Huawai Bay in the east. This unit provides habitat for one population (combined with Lanai 6—*Portulaca sclerocarpa*—Isle) of 300 mature, reproducing individuals of this short-lived perennial and is currently unoccupied. The habitat features contained in this unit that are important for this species include, but are not limited to, exposed ledges in thin soil in coastal communities. This coastal habitat is unique to Lanai for this species; on the island of Hawaii, this species grows on weathered soils, cinder cones, or geologically young lava; in montane dry shrubland; often on bare cinder; near steam vents; or in open *Metrosideros polymorpha*-dominated woodlands, away from coastal areas. This critical habitat unit provides area for one recovery population within the historical range of this multi-island