

**Family Apiaceae: *Peucedanum sandwicense* (makou)**

Maui 4—*Peucedanum sandwicense*—a and Maui 17—*Peucedanum sandwicense*—b, identified in the legal descriptions in paragraph (e)(1) of this section, constitute critical habitat for *Peucedanum sandwicense* on Maui.

Within these units, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

(i) Sparsely vegetated steep to vertical cliff habitats with little soil in mesic or coastal communities and containing one or more of the following associated native species: *Artemisia australis*, *Bidens* spp., *Carex* spp., *Chamaesyce* spp., *Diospyros sandwicensis*, *Eragrostis* spp., *Hedyotis littoralis*, *Lysimachia mauritiana*, *Metrosideros polymorpha*, *Pandanus tectorius*, *Peperomia* spp., *Scaevola taccada*, or *Schiedea globosa*; and

(ii) Elevations between 0 and 1,132 m (0 and 3,714 ft).

**Family Apiaceae: *Sanicula purpurea* (NCN)**

Maui 17—*Sanicula purpurea*—a, Maui 17—*Sanicula purpurea*—b, and Maui 17—*Sanicula purpurea*—c, identified in the legal descriptions in paragraph (e)(1) of this section, constitute critical habitat for *Sanicula purpurea* on Maui. Within these units, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

(i) Open *Metrosideros polymorpha* mixed montane bogs and containing one or more of the following associated native plant taxa: *Argyroxiphium caliginis*, *Argyroxiphium grayanum*, *Gahnia beecheyi*, *Geranium hillebrandii*, *Lagenifera maviensis*, *Leptecophylla tameiameiaie*, *Lycopodium* sp., *Machaerina* sp., *Myrsine vaccinioides*, *Oreobolus furcatus*, *Plantago pachyphylla*, or *Viola maviensis*; and

(ii) Elevations between 1,195 and 1,761 m (3,921 and 5,778 ft).

**Family Apiaceae: *Spermolepis hawaiiensis* (NCN)**

Maui 13—*Spermolepis hawaiiensis*—a, and Maui 17—*Spermolepis hawaiiensis*—b, identified in the legal descriptions in paragraph (e)(1) of this section, constitute critical habitat for *Spermolepis hawaiiensis* on Maui.

Within these units, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

(i) Shady spots in *Dodonaea viscosa* lowland dry shrubland and containing

one or more of the following associated native species: *Diospyros* sp., *Eragrostis variabilis*, *Erythrina sandwicensis*, *Gouania hillebrandii*, *Heteropogon contortus*, *Melanthera lamarum*, *Myoporum sandwicense*, *Pleomele* sp., *Santalum ellipticum*, *Sida fallax*, or *Wikstroemia* sp.; and

(ii) Elevations between 221 and 742 m (725 and 2,434 ft).

**Family Asteraceae: *Argyroxiphium sandwicense* ssp. *macrocephalum* (ahinahina)**

Maui 9—*Argyroxiphium sandwicense* ssp. *macrocephalum*—a, identified in the legal description in paragraph (e)(1) of this section, constitutes critical habitat for *Argyroxiphium sandwicense* ssp. *macrocephalum* on Maui. Within this unit, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

(i) Lava flows and otherwise barren, unstable slopes of recent (less than several thousand years old) volcanic cinder cones, or *Deschampsia* grasslands; or a mean annual precipitation of approximately 75 to 250 cm (29.6 to 98.4 in); or substrate with almost no soil development and subject to frequent formation of ice at night and extreme heating during cloudless days; or alpine dry shrubland; and the presence of one or more of the following associated native plant species: *Agrostis sandwicensis*, *Deschampsia nubigena*, *Dubautia menziesii*, *Leptecophylla tameiameiaie*, *Silene struthioloides*, *Tetramolopium humile*, or *Trisetum glomeratum*; and

(ii) Elevations between 1,508 and 3,053 m (4,947 and 10,016 ft).

**Family Asteraceae: *Bidens micrantha* ssp. *kalealaha* (kookoolau)**

Maui 9—*Bidens micrantha* ssp. *kalealaha*—a and Maui 9—*Bidens micrantha* ssp. *kalealaha*—b, identified in the legal descriptions in paragraph (e)(1) of this section, constitute critical habitat for *Bidens micrantha* ssp. *kalealaha* on Maui. Within these units, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

(i) Blocky lava flows with little or no soil development, or deep pit craters, or sheer rock walls in open canopy *Metrosideros polymorpha*-*Acacia koa* forest; montane shrubland; *Sophora chrysophylla* forest or cliff face, and the presence of one or more of the following associated native plant species: *Coprosma montana*, *Dodonaea viscosa*, *Dubautia menziesii*, *Dubautia platyphylla*, *Leptecophylla*

*tameiameiaie*, *Santalum haleakalae*, or *Vaccinium reticulatum*; and

(ii) Elevations between 1,317 and 2,565 m (4,321 and 8,414 ft).

**Family Asteraceae: *Dubautia plantaginea* ssp. *humilis* (naenae)**

Maui 17—*Dubautia plantaginea* ssp. *humilis*—a, Maui 17—*Dubautia plantaginea* ssp. *humilis*—b, and Maui 17—*Dubautia plantaginea* ssp. *humilis*—c, identified in the legal descriptions in paragraph (e)(1) of this section, constitute critical habitat for *Dubautia plantaginea* ssp. *humilis* on Maui. Within these units, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

(i) Wet, barren, steep, rocky, wind-blown cliffs containing one or more of the following associated native plant species: *Bidens* sp., *Carex* sp., *Eragrostis variabilis*, *Hedyotis formosa*, *Lysimachia remyi*, *Metrosideros polymorpha*, *Pipturus albidus*, *Plantago princeps*, or *Pritchardia* sp.; and

(ii) Elevations between 291 and 1,593 m (955 and 5,226 ft).

**Family Asteraceae: *Hesperomannia arbuscula* (NCN)**

Maui 17—*Hesperomannia arbuscula*—a and Maui 17—*Hesperomannia arbuscula*—b, identified in the legal descriptions in paragraph (e)(1) of this section, constitute critical habitat for *Hesperomannia arbuscula* on Maui. Within these units, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

(i) Steep forested slopes and ridges in mesic forest dominated by *Metrosideros polymorpha* or *Diospyros sandwicensis* and containing one or more of the following associated native plant species: *Alyxia oliviformis*, *Bidens* sp., *Cheirodendron* sp., *Clermontia* sp., *Cyanea* sp., *Psychotria* sp., or *Tetraplasandra* sp.; and

(ii) Elevations between 412 and 1,422 m (1,352 and 4,665 ft).

**Family Asteraceae: *Lipochaeta kamolensis* (nehe)**

Maui 9—*Lipochaeta kamolensis*—a and Maui 11—*Lipochaeta kamolensis*—b, identified in the legal descriptions in paragraph (e)(1) of this section, constitute critical habitat for *Lipochaeta kamolensis* on Maui. Within these units, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by: