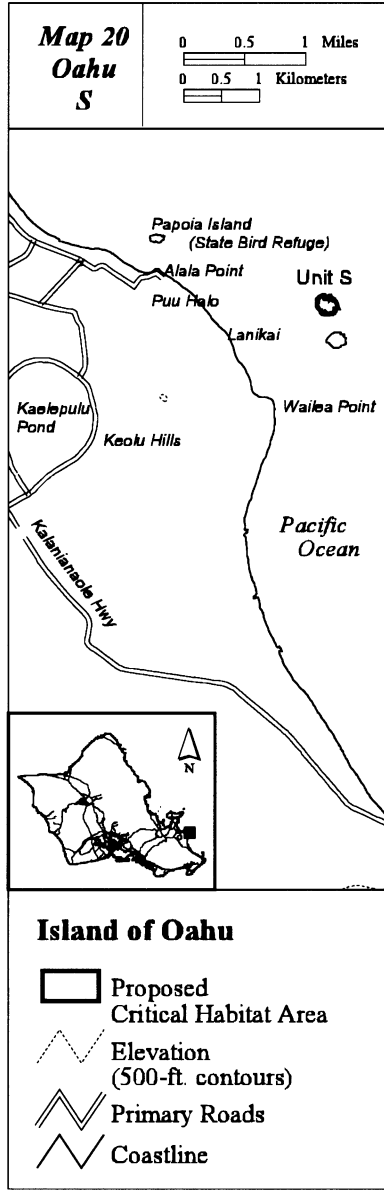


(20) Oahu S (4 ha, 12 ac).

(i) Unit consists of the entire offshore island located at approximately: 634867, 2366056.

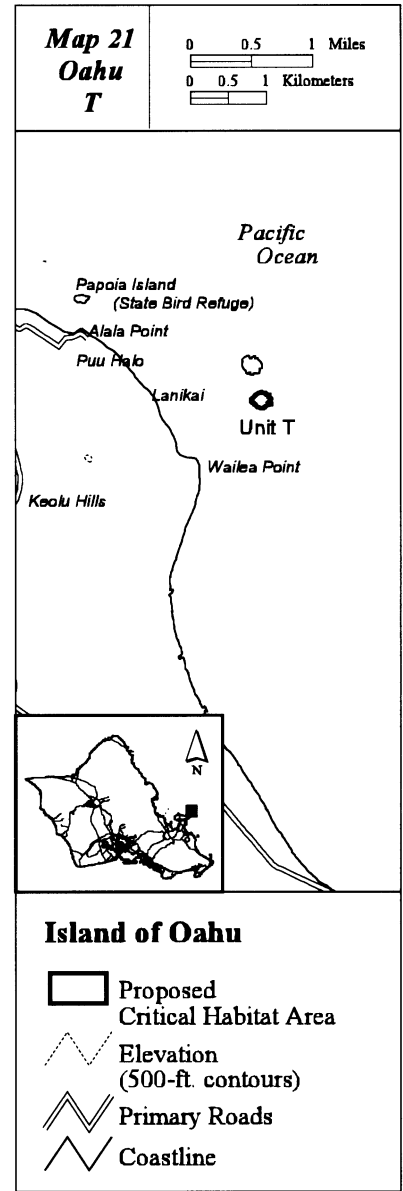
(ii) **Note:** Map 20 follows:



(21) Oahu T (4 ha, 9 ac).

(i) Unit consists of the entire offshore island located at approximately: 634990, 2365593.

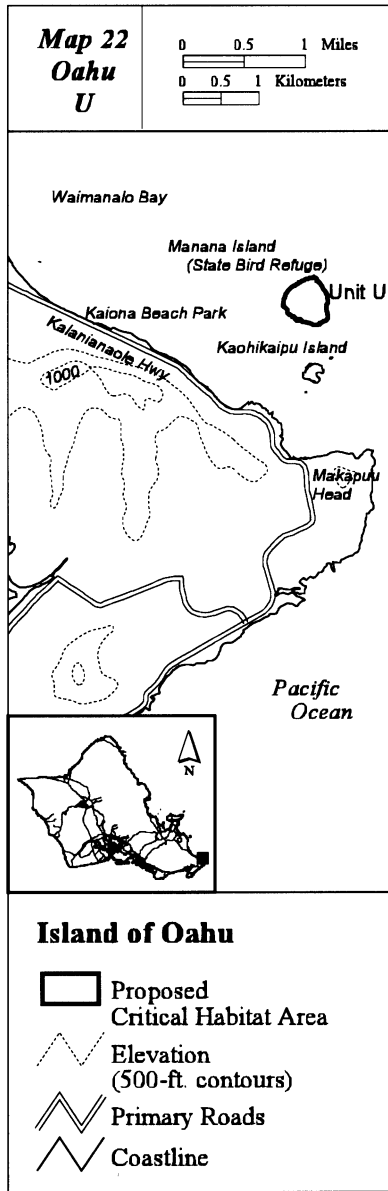
(ii) **Note:** Map 21 follows:



(22) Oahu U (27 ha, 67 ac).

(i) Unit consists of the entire offshore island located at approximately: 639277, 2359130.

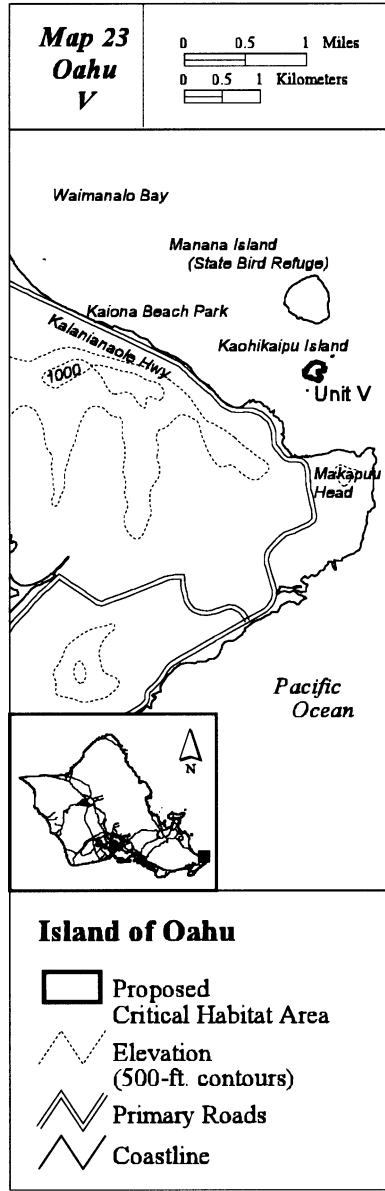
(ii) **Note:** Map 22 follows:



(23) Oahu V (4 ha, 10 ac).

(i) Unit consists of the entire offshore island located at approximately: 639339, 2358203

(ii) Note: Map 23 follows:

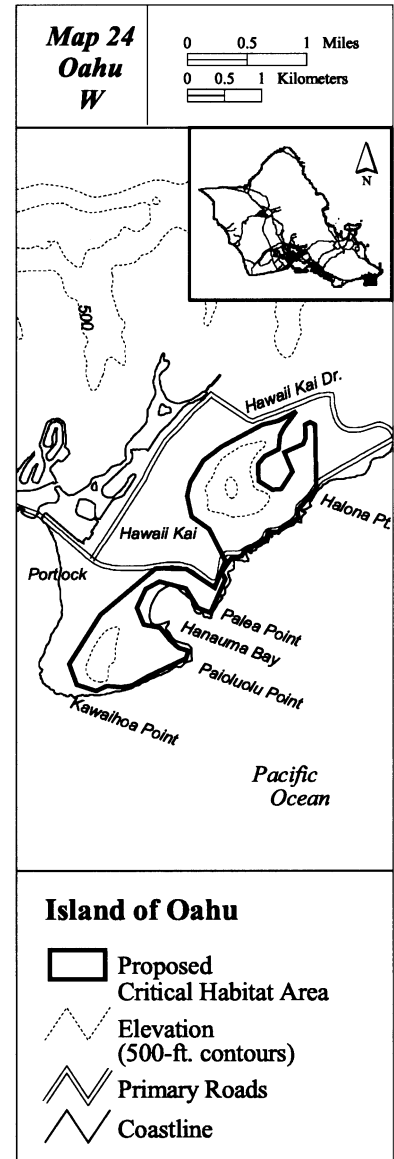


(24) Oahu W (340 ha, 840 ac).

(i) Unit consists of the following 60 boundary points: 637132, 2355245; 636973, 2355040; 636907, 2354928; 636897, 2354741; 636703, 2354644; 636613, 2354536; 636623, 2354312; 636808, 2354187; 636928, 2354201; 637076, 2354437; 636971, 2354701; 637225, 2354809; 637258, 2354895; 637251, 2355073; 637318, 2355106; 637384, 2355073; 637402, 2354195; 637140, 2353900; 637163, 2353807; 636874, 2353617; 636746, 2353610; 636729, 2353536; 636439, 2353369; 636391, 2353293; 636246, 2353257; 636122, 2353069; 636172, 2352980; 635971, 2352522; 635803, 2352590; 635641, 2352849; 635286, 2352948; 635095, 2352844; 634984, 2352593; 635070, 2352360; 635295, 2352316; 635417, 2352155; 635541, 2352050; 635672, 2352009; 635644, 2351902; 635123, 2351660; 634921, 2351541;

634779, 2351512; 634574, 2351531; 634430, 2351464; 634168, 2351550; 634069, 2351830; 634492, 2352496; 635235, 2353123; 635647, 2353114; 636026, 2352858; 636172, 2353227; 635954, 2353657; 635716, 2353823; 635656, 2354107; 635700, 2354295; 635875, 2354584; 636120, 2354776; 636669, 2355067; 636881, 2355121; 637132, 2355245.

(ii) Note: Map 24 follows:



(25) Oahu X1 (117 ha, 290 ac).

(i) Unit consists of the following 19 boundary points: 624293, 2352306; 624551, 2351916; 624594, 2351655; 624479, 2351301; 624279, 2351133; 623918, 2350950; 623734, 2350938; 623387, 2351012; 623164, 2351001; 623038, 2351128; 623080, 2351284; 622861, 2351384; 623109, 2351844; 623379, 2352152; 623614, 2352329; 623656, 2352268; 623889, 2352282; 623968, 2352380; 624293, 2352306.

(ii) Excluding the area consisting of the following 11 boundary points (59 ha; 145 ac): 623847, 2351144; 623734, 2351301; 623550, 2351461; 623616, 2351896; 623861, 2352075; 624048, 2352141; 624172, 2352080; 624321, 2351901; 624343, 2351375; 624109, 2351194; 623847, 2351144.

(iii) Note: See Map 25.

(26) Oahu X2 (8 ha, 21 ac).

(i) Unit consists of the following nine boundary points: 624111, 2351694; 624244, 2351705; 624294, 2351602; 624225, 2351495; 624162, 2351477; 624021, 2351312; 623901, 2351349; 623890, 2351454; 624111, 2351694.

(ii) Note: Map 25 follows:

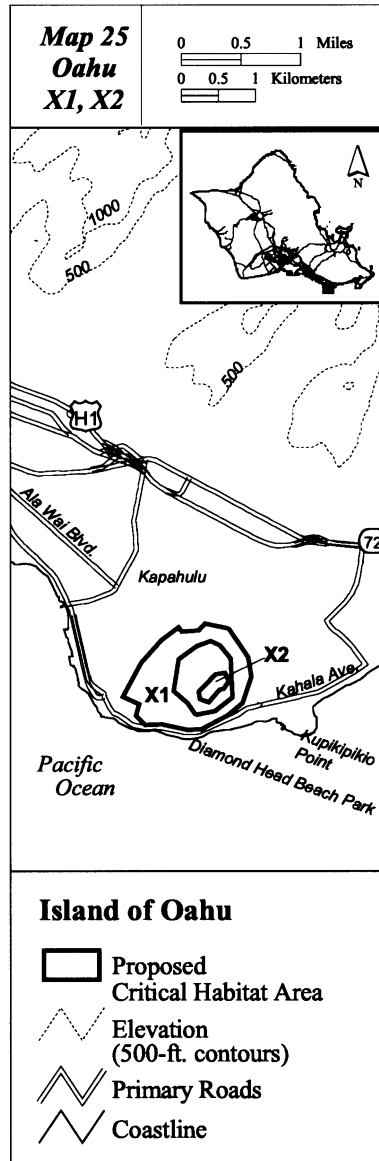


TABLE (A)(1)(i)(I).—PROTECTED SPECIES WITHIN EACH CRITICAL HABITAT UNIT FOR OAHU

Unit name	Species occupied	Species unoccupied
Oahu A .....	<p><i>Abutilon sandwicense</i>, <i>Alectryon macrococcus</i>, <i>Alsinidendron obovatum</i>, <i>Alsinidendron trinerve</i>, <i>Bonamia menziesii</i>, <i>Cenchrus agrimonioides</i>, <i>Centaurium sebaeoides</i>, <i>Chamaesyce celastroides</i> var. <i>kaenana</i>, <i>Chamaesyce herbstii</i>, <i>Colubrina oppositifolia</i>, <i>Ctenitis squamigera</i>, <i>Cyanea acuminata</i>, <i>Cyanea grimesiana</i> ssp. <i>obatae</i>, <i>Cyanea longiflora</i>, <i>Cyanea superba</i>, <i>Cyperus trachysanthos</i>, <i>Cyrtandra dentata</i>, <i>Delissea subcordata</i>, <i>Diellia falcata</i>, <i>Dubautia herbstobatae</i>, <i>Eragrostis fosbergii</i>, <i>Eugenia koolauensis</i>, <i>Euphorbia haeleleana</i>, <i>Fluggea neowawraea</i>, <i>Gardenia mannii</i>, <i>Gouania meyenii</i>, <i>Gouania vitifolia</i>, <i>Hedyotis degeneri</i>, <i>Hedyotis parvula</i>, <i>Hesperomannia arborescens</i>, <i>Hesperomannia arbuscula</i>, <i>Hibiscus brackenridgei</i>, <i>Isodendron laurifolium</i>, <i>Isodendron longifolium</i>, <i>Labordia cyrtandrae</i>, <i>Lepidium arbuscula</i>, <i>Lipochaeta lobata</i> var. <i>leptophylla</i>, <i>Lipochaeta tenuifolia</i>, <i>Lobelia niihauensis</i>, <i>Melicope pallida</i>, <i>Neraudia angulata</i>, <i>Nototrichium humile</i>, <i>Peucedanum sandwicense</i>, <i>Phyllostegia hirsuta</i>, <i>Phyllostegia kaalaensis</i>, <i>Phyllostegia mollis</i>, <i>Plantago princeps</i>, <i>Sanicula mariversa</i>, <i>Schiedea hookeri</i>, <i>Schiedea kaalae</i>, <i>Schiedea kealiae</i>, <i>Schiedea nuttallii</i>, <i>Sesbania tomentosa</i>, <i>Silene lanceolata</i>, <i>Spermolepis hawaiiensis</i>, <i>Tetramolopium filiforme</i>, <i>Urera kaalae</i>, and <i>Viola chamissoniana</i> ssp. <i>chamissoniana</i>.</p>	<p><i>Diplazium molokaiense</i>, <i>Isodendron pyrifolium</i>, <i>Mariscus pennatifolius</i>, <i>Solanum sandwicense</i>, <i>Stenogyne kaneohoana</i>, <i>Tetramolopium lepidotum</i> ssp. <i>lepidotum</i> and <i>Vigna o-wahuense</i>.</p>

TABLE (A)(1)(i)(I).—PROTECTED SPECIES WITHIN EACH CRITICAL HABITAT UNIT FOR OAHU—Continued

Unit name	Species occupied	Species unoccupied
Oahu B	<i>Bonamia menzeisii</i> , <i>Euphorbia haelealeana</i> , and <i>Nototrichium humile</i>	<i>Gouania vitifolia</i> , <i>Hibiscus brackenridgei</i> , <i>Isodendron pyrifolium</i> , and <i>Neraudia angulata</i> .
Oahu C	<i>Bonamia menzeisii</i> .	
Oahu D	<i>Bonamia menzeisii</i> , <i>Euphorbia haelealeana</i> , <i>Neraudia angulata</i> , <i>Nototrichium humile</i> , and <i>Schiedea hookeri</i> .	<i>Chamaesyce celastroides</i> var. <i>kaenana</i> , <i>Gouania vitifolia</i> , <i>Hibiscus brackenridgei</i> , and <i>Isodendron pyrifolium</i> .
Oahu E	<i>Chamaesyce kuwaleana</i> .	
Oahu F	<i>Chamaesyce kuwaleana</i>	<i>Isodendron pyrifolium</i> .
Oahu G	<i>Tetramolopium filiforme</i> and <i>Viola chamissoniana</i> ssp. <i>chamissoniana</i> .	
Oahu H	<i>Chamaesyce kuwaleana</i> .	
Oahu I	<i>Abutilon sandwicense</i> , <i>Alectryon macrococcus</i> , <i>Bonamia menzeisii</i> , <i>Cenchrus agrimonioides</i> , <i>Chamaesyce herbstii</i> , <i>Cyanea grimesiana</i> ssp. <i>obatae</i> , <i>Cyrtandra dentata</i> , <i>Delissea subcordata</i> , <i>Diellia falcata</i> , <i>Diellia unisora</i> , <i>Flueggea neowawraea</i> , <i>Gardenia mannii</i> , <i>Hedyotis parvula</i> , <i>Hesperomannia arbuscula</i> , <i>Lepidium arbuscula</i> , <i>Lipochaeta lobata</i> var. <i>leptophylla</i> , <i>Lobelia niihauensis</i> , <i>Melicope saint-johnii</i> , <i>Neraudia angulata</i> , <i>Phyllostegia hirsuta</i> , <i>Phyllostegia kaalaensis</i> , <i>Phyllostegia mollis</i> , <i>Phyllostegia parviflora</i> , <i>Plantago princeps</i> , <i>Sanicula mariversa</i> , <i>Schiedea hookeri</i> , <i>Schiedeakaalae</i> , <i>Schiedea nuttallii</i> , <i>Stenogyne kanehoana</i> , <i>Tetramolopium lepidotum</i> ssp. <i>lepidotum</i> , <i>Urera kaalae</i> , and <i>Viola chamissoniana</i> ssp. <i>chamissoniana</i> .	<i>Alsinidendron obovatum</i> , <i>Chamaesyce kuwaleana</i> , <i>Cyanea pinnatifida</i> , <i>Gouania meyenii</i> , <i>Hedyotis coriacea</i> , <i>Hibiscus brackenridgei</i> , <i>Isodendron pyrifolium</i> , <i>Melicope pallida</i> , <i>Silene permanii</i> , and <i>Solanum sandwicense</i>
Oahu J	<i>Marsillea villosa</i> .	
Oahu K	<i>Marsillea villosa</i> .	
Oahu L	<i>Bonamia menzeisii</i> , <i>Chamaesyce deppeana</i> , <i>Chamaesyce rockii</i> , <i>Cyanea acuminata</i> , <i>Cyanea crispa</i> , <i>Cyanea grimesiana</i> ssp. <i>grimesiana</i> , <i>Cyanea humbotiana</i> , <i>Cyanea koolauensis</i> , <i>Cyanea st-johnii</i> , <i>Cyanea truncata</i> , <i>Cyrtandra dentata</i> , <i>Cyrtandra polyantha</i> , <i>Cyrtandra subumbellata</i> , <i>Cyrtandra viridiflora</i> , <i>Diellia erecta</i> , <i>Eugenia koolauensis</i> , <i>Gardenia mannii</i> , <i>Hesperomannia arborescens</i> , <i>Isodendron longifolium</i> , <i>Labordia cyrtandrae</i> , <i>Lobelia gaudichaudii</i> ssp. <i>koolauensis</i> , <i>Lobelia monostachya</i> , <i>Lysimachia filifolia</i> , <i>Melicope lydgatei</i> , <i>Myrsine juddii</i> , <i>Phlegmariurus nutans</i> , <i>Phyllostegia hirsuta</i> , <i>Phyllostegia parviflora</i> , <i>Plantago princeps</i> , <i>Pteris lydgatei</i> , <i>Sanicula purpurea</i> , <i>Schiedea kaalae</i> , <i>Tetraplasandra gymnocarpa</i> , <i>Trematalobelia singularis</i> , and <i>Viola oahuensis</i> .	<i>Adenophorus periens</i> , <i>Chamaesyce celastroides</i> var. <i>kaenana</i> , <i>Cyanea longiflora</i> , <i>Cyanea superba</i> , <i>Delissea subcordata</i> , <i>Hedyotis coriacea</i> , <i>Isodendron laurifolium</i> , <i>Lobelia oahuensis</i> , <i>Platanthera holochila</i> , and <i>Solanum sandwicense</i> .
Oahu M		<i>Centaurium sebaeoides</i> and <i>Sesbania tomentosa</i>
Oahu N		<i>Centaurium sebaeoides</i> and <i>Sesbania tomentosa</i> .
Oahu O	<i>Cyanea crispa</i> , <i>Cyanea truncata</i> , and <i>Schiedea kaalae</i> .	
Oahu P	<i>Bonamia menzeisii</i> , <i>Euphorbia haelealeana</i> , and <i>Nototrichium humile</i>	<i>Gouania vitifolia</i> , <i>Hibiscus brackenridgei</i> , and <i>Isodendron pyrifolium</i>
Oahu Q		<i>Sesbania tomentosa</i> .
Oahu R		<i>Chamaesyce kuwaleana</i> and <i>Sesbania tomentosa</i> .
Oahu S		<i>Sesbania tomentosa</i> and <i>Vigna o-wahuense</i> .
Oahu T		<i>Sesbania tomentosa</i> and <i>Vigna o-wahuense</i> .
Oahu U		<i>Chamaesyce kuwaleana</i> , <i>Sesbania tomentosa</i> , and <i>Vigna o-wahuense</i> .
Oahu V		<i>Sesbania tomentosa</i> .
Oahu W	<i>Centaurium sebaeoides</i> and <i>Marsillea villosa</i>	<i>Cyperus trachysanthos</i> .
Oahu X1	<i>Spermolepis hawaiiensis</i>	<i>Gouania meyenii</i> .
Oahu X2	<i>Cyperus trachysanthos</i>	<i>Marsillea villosa</i> .

(ii) *Hawaiian plants—Constituent elements.*

(A) *Flowering plants.*

*Family Amaranthaceae: Nototrichium humile (kului)*

Oahu A, B, D, and P, identified in the legal descriptions in paragraph (a)(1)(i)(I), constitutes critical habitat for *Nototrichium humile* on Oahu. Within these units, currently known primary

constituent elements of critical habitat are the habitat components provided by:

(1) Cliff faces, gulches, streambanks, or steep slopes in dry or mesic forests often dominated by *Sapindus oahuensis* or *Diospyros sandwicensis* containing one or more of the following associated native plant species—*Erythrina sandwicensis*, *Sicyos* sp., *Rauwolfia sandwicensis*, *Nestegis sandwicensis*, *Streblus pendulinus*, *Myoporum*

*sandwicense*, *Metrosideros polymorpha*, *Antidesma pulvinatum*, *Pouteria sandwicensis*, *Charpentiera* sp., *Hibiscus* sp., *Alyxia oliviformis*, *Pisonia umbellifera*, *Lipochaeta tenuis*, *Stenogyne* sp., *Artemisia australis*, *Bidens Cervicata*, *Carex wahuensis*, *Elaeocarpus bifidus*, *Abutilon sandwicense*, *Peperomia* sp., *Dodonaea viscosa*, *Canavalia* sp., *Psydrax odorata*, *Syzygium sandwicensis*, *Reynoldsia*

*sandwicensis*, *Pleomele* sp., *Eugenia reinwartiana*, or *Myrsine lanaiensis*; and  
(2) Elevations between 185 and 806 m (607 and 2,644 ft).

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

Oahu A, identified in the legal description in (a)(1)(i)(I), constitutes critical habitat for *Peucedanum sandwicense* on Oahu. Within this unit, currently known primary constituent elements of critical habitat are the habitat components provided by:

(1) Cliffs, slopes, or ridges in *Metrosideros polymorpha* lowland mesic forest containing one or more of the following associated native plant species: *Dodonaea viscosa*, *Carex meyenii*, *Eragrostis* sp., *Santalum ellipticum*, *Reynoldsia sandwicensis*, *Osteomeles anthyllidifolia*, *Scaevola sericea*, *Senna gaudichaudii*, *Pittosporum halophilum*, *Sida fallax*, *Plumbago zeylanica*, *Artemisia australis*, *Portulaca lutea*, *Lepidium bidentatum* var. *o-waihiense*, *Schiedea globosa*, *Lipochaeta integrifolia*, *Peperomia remyi*, *Plechranthus parviflorus*, or *Dianella sandwicensis*; and

(2) Elevations between 395 and 977 m (1,296 and 3,205).

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

Oahu A and I, identified in the legal descriptions in (a)(1)(i)(I), constitutes critical habitat for *Sanicula mariversa* on Oahu. Within these units, currently known primary constituent elements of critical habitat are the habitat components provided by:

(1) Well-drained, dry slopes or rock faces in mesic shrublands or open grassy areas containing one or more of the following associated native plant species: *Carex meyenii*, *Eragrostis* sp., *Bidens torta*, *Metrosideros tremuloides*, *Doryopteris* sp., or *Metrosideros polymorpha*; and

(2) Elevations between 582 and 978 m (1,909 and 3,208 ft).

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

Oahu unit L, identified in the legal description in (a)(1)(i)(I), constitutes critical habitat for *Sanicula purpurea* on Oahu. Within this unit, currently known primary constituent elements of critical habitat are the habitat components provided by:

(1) Open *Metrosideros polymorpha* mixed montane bogs or windswept shrublands within the cloud zone containing one or more of the following associated native plant species: *Cheirodendron* sp., *Sadleria pallida*,

*Bidens* sp., *Dicanthelium koolauensis*, *Styphelia tameiameiae*, *Gahnia beechyi*, *Plantago pachyphylla*, *Lycopodium* sp., *Vaccinium* sp., or *Machaerina angustifolia*; and

(2) Elevations between 415 and 959 m (1,361 and 3,146 ft).

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

Oahu A and X, identified in the legal descriptions in (a)(1)(i)(I), constitute critical habitat for *Spermolepis hawaiiensis* on Oahu. Within these units, currently known primary constituent elements of critical habitat are the habitat components provided by:

(1) Steep or vertical cliffs or the base of cliffs or ridges in coastal dry cliff vegetation containing one or more of the following associated native plant species: *Dodonaea viscosa*, *Artemisia australis*, *Bidens* sp., *Santalum ellipticum*, *Waltheria indica*, *Heteropogon contortus*, or *Doryopteris* sp.; and

(2) Elevations between 25 to 839 m (82 to 2,752 ft).

**Family Araliaceae: *Tetraplasandra gymnocarpa* (oheohe)**

Oahu unit L, identified in the legal description in (a)(1)(i)(I), constitutes critical habitat for *Tetraplasandra gymnocarpa* on Oahu. Within this unit, currently known primary constituent elements of critical habitat are the habitat components provided by:

(1) Windswept summit ridges, slopes, or gullies in wet or sometimes mesic lowland forests or shrublands containing one or more of the following associated native plant species: *Cheirodendron* sp., *Antidesma platyphyllum*, *Syzygium sandwicensis*, *Hedyotis terminalis*, *Diplopterygium pinnatum*, *Melicope* spp., *Tetraplasandra oahuensis*, *Bobea elatior*, *Acacia koa*, *Cibotium chamissoi*, *Lobelia hypoleuca*, *Cyanea humboldtiana*, *Myrsine fosbergii*, *Pouteria sandwicensis*, *Wikstroemia* sp., *Sadleria* sp., *Metrosideros polymorpha*, *Cheirodendron* sp., *Dicranopteris linearis*, *Machaerina angustifolia*, *Freycinetia arborea*, *Broussaia arguta*, *Psychotria* spp., *Labordia* sp., *Hedyotis fosbergii*, *Bidens* sp., *Dubautia laxa*, or *Cibotium* sp.; and

(2) Elevations between 93 and 959 m (305 and 3,156 ft).

**Family Asteraceae: *Dubautia herbstobatae* (naenae)**

Oahu unit A, identified in the legal description in (a)(1)(i)(I), constitutes critical habitat for *Dubautia herbstobatae* on Oahu. Within this unit, currently known primary constituent

elements of critical habitat are the habitat components provided by:

(1) Rock outcrops, ridges, moderate slopes, or vertical cliffs in dry or mesic shrubland containing one or more of the following associated native plant species: *Dodonaea viscosa*, *Artemisia australis*, *Chamaesyce celastroides*, *Schiedea mannii*, *Carex meyenii*, *Bidens torta*, *Metrosideros polymorpha*, *Lysimachia waianaensis*, or *Eragrostis variabilis*; and

(2) Elevations between 266 and 978 m (872 and 3,208 ft).

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

Oahu A and L, identified in the legal descriptions in (a)(1)(i)(I), constitute critical habitat for *Hesperomannia arborescens* on Oahu. Within these units, currently known primary constituent elements of critical habitat are the habitat components provided by:

(1) Steep slopes, ridge tops, or gulches in lowland wet forests or shrublands containing one or more of the following associated native plant species:

*Scaevola glabra*, *Broussaia arguta*, *Melicope* sp., *Acacia koa*, *Machaerina angustifolia*, *Hedyotis terminalis*, *Tetraplasandra oahuensis*, *Scaevola gaudichaudiana*, *Dubautia* sp., *Labordia sessilis*, *Cibotium* sp., *Perottia sandwicensis*, *Pipturus* sp., *Wikstroemia* sp., *Cheirodendron* sp., *Coprosma* sp., *Myrsine* sp., *Bobea elatior*, *Hibiscus arnottianus*, *Metrosideros polymorpha*, *Nestegis sandwicensis*, *Dicranopteris linearis*, *Antidesma platyphyllum*, *Psychotria mariniana*, *Syzygium sandwicensis*, or common *Melicope* spp.; and

(2) Elevations between 110 and 1,147 m (361 and 3,762 ft).

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

Oahu A and I, identified in the legal descriptions in (a)(1)(i)(I), constitute critical habitat for *Hesperomannia arbuscula* on Oahu. Within these units, currently known primary constituent elements of critical habitat are the habitat components provided by:

(1) Slopes or ridges in dry to wet forest dominated by *Acacia koa* or *Metrosideros polymorpha* containing one or more of the following associated native plant species: *Syzygium sandwicensis*, *Freycinetia arborea*, *Cyanea longiflora*, *Antidesma* sp., *Bobea elatior*, *Hibiscus* sp., *Diospyros hillebrandii*, *Hedyotis terminalis*, *Bidens* sp., *Alyxia oliviformis*, or *Psychotria* sp.; and

(2) Elevations between 370 and 1,053 m (1,214 and 3,454 ft).

Family Asteraceae: *Lipochaeta lobata* var. *leptophylla* (nehe)

Oahu A and I, identified in the legal descriptions in (a)(1)(i)(I), constitute critical habitat for *Lipochaeta lobata* var. *leptophylla* on Oahu. Within these units, currently known primary constituent elements of critical habitat are the habitat components provided by:

(1) Cliffs, ridges, or slopes in dry or mesic shrubland containing one or more of the following associated native plant species: *Diospyros* sp., *Eragrostis* sp., *Artemisia australis*, *Lipochaeta tenuis*, *Stenogyne* sp., *Carex meyenii*, *Dodonaea viscosa*, *Peperomia* sp., *Psydrax odorata*, or *Bidens* sp.; and

(2) Elevations between 256 and 978 m (840 and 3,208 ft).

Family Asteraceae: *Lipochaeta tenuifolia* (nehe)

Oahu unit A, identified in the legal description in (a)(1)(i)(I), constitutes critical habitat for *Lipochaeta tenuifolia* on Oahu. Within this unit, currently known primary constituent elements of critical habitat are the habitat components provided by:

(1) Ridgetops or bluffs in open areas or protected pockets of dry to mesic forests or shrublands or forests dominated by *Diospyros sandwicensis* containing one or more of the following associated native plant species: *Diospyros* sp., *Dodonaea viscosa*, *Eragrostis* sp., *Artemisia australis*, *Schiedea* sp., *Carex meyenii*, *Rumex* sp., *Dubautia* sp., *Bryophyllum* sp., *Osteomeles anthyllidifolia*, *Reynoldsia sandwicensis*, *Psydrax odorata*, *Doryopteris* sp., *Santalum* sp., *Myoporum sandwicense*, *Sapindus oahuensis*, or *Bidens* sp.; and

(2) Elevations between 67 and 978 m (220 and 3,208 ft).

Family Asteraceae: *Tetramolopium filiforme* (NCN)

Oahu A and G, identified in the legal descriptions in (a)(1)(i)(I), constitute critical habitat for *Tetramolopium filiforme* on Oahu. Within these units, currently known primary constituent elements of critical habitat are the habitat components provided by:

(1) Dry cliff faces or ridges in dry or mesic forests containing one or more of the following associated native plant species: *Bidens torta*, *Carex meyenii*, *Peperomia tetraphylla*, *Schiedea* sp., *Sida fallax*, *Dodonaea viscosa*, *Artemisia australis*, or *Schiedea mannii*; and

(2) Elevations between 247 and 978 m (810 and 3,208 ft).

Family Asteraceae: *Tetramolopium lepidotum* ssp. *lepidotum* (NCN)

Oahu A and I, identified in the legal descriptions in (a)(1)(i)(I), constitute critical habitat for *Tetramolopium lepidotum* ssp. *lepidotum* on Oahu. Within these units, currently known primary constituent elements of critical habitat are the habitat components provided by:

(1) Grassy ridgetops, slopes, or cliffs in windblown dry forests and containing one or more of the following associated native plant species: *Eragrostis* sp., *Carex wahuensis*, *Bidens* sp., or *Metrosideros polymorpha*; and

(2) Elevations between 330 to 1,157 m (1,082 to 3,795 ft).

Family Brassicaceae: *Lepidium arbuscula* (anaunau)

Oahu A and I, identified in the legal descriptions in (a)(1)(i)(I), constitute critical habitat for *Lepidium arbuscula* on Oahu. Within these units, currently known primary constituent elements of critical habitat are the habitat components provided by:

(1) Exposed ridge tops and cliff faces in mesic and dry vegetation communities and containing one or more of the following associated native plant species: *Metrosideros polymorpha*, *Peperomia* sp., *Dryopteris unidentata*, *Sida fallax*, *Schiedea ligustrina*, *Artemisia australis*, *Rumex albescens*, *Styphelia tameiameia*, *Psydrax odorata*, *Carex wahuensis*, *Chamaesyce multiformis*, *Lysimachia hillebrandii*, *Dubautia* sp., *Sophora chrysophylla*, *Dodonaea viscosa*, *Eragrostis* sp., *Bidens* sp., or *Carex meyenii*; and

(2) Elevations between 131 and 978 m (430 and 3,208 ft).

Family Campanulaceae: *Cyanea acuminata* (haha)

Oahu A and L, identified in the legal descriptions in (a)(1)(i)(I), constitute critical habitat for *Cyanea acuminata* on Oahu. Within these units, currently known primary constituent elements of critical habitat are the habitat components provided by:

(1) Slopes, ridges, or stream banks in *Metrosideros polymorpha*-*Dicranopteris linearis*, *Acacia koa*-*Metrosideros polymorpha* wet or mesic forest or shrubland, or *Diospyros sandwicensis*-*Metrosideros polymorpha* lowland mesic forest containing one or more of the following associated native plant species: *Hibiscus* sp., *Charpentiera* sp., *Cyrtandra* spp., *Antidesma* sp., *Freyinetia arborea*, *Athyrium sandwichianum*, *Psychotria* sp., *Hedyotis* sp., *Perrottetia sandwicensis*, *Melicope* spp., *Thelypteris*

*sandwicensis*, *Hedyotis centranthoides*, *Broussaisia argutus*, *Pipturus albidus*, *Labordia* sp., *Chamaesyce* sp., *Pisonia* sp., *Touchardia latifolia*, *Machaerina* sp., *Sadleria* sp., *Wikstroemia* sp., *Dubautia laxa*, *Ilex anomala*, *Syzygium sandwicensis*, and *Phyllostegia* sp.; and

(2) Elevations between 216 and 1,208 m (708 and 3,962 ft).

Family Campanulaceae: *Cyanea crispa* (haha)

Oahu L and O, identified in the legal descriptions in (a)(1)(i)(I), constitute critical habitat for *Cyanea crispa* on Oahu. Within these units, currently known primary constituent elements of critical habitat are the habitat components provided by:

(1) Slopes, moist gullies, or streambanks in open mesic forests or closed wet forests containing one or more of the following associated native plant species: *Diospyros* sp., *Pipturus albidus*, *Cibotium chamissoi*, *Perrottetia sandwicensis*, *Metrosideros polymorpha*, *Boehmeria grandis*, *Broussaisia argutus*, *Dubautia* sp., *Psychotria* sp., *Thelypteris cyatheoides*, *Antidesma platyphyllum*, *Microsorium spectrum*, *Cyrtandra* spp., *Pisonia umbellifera*, or *Touchardia latifolia*; and

(2) Elevations between 56 and 959 m (184 and 3,146 ft).

Family Campanulaceae: *Cyanea grimesiana* ssp. *grimesiana* (haha)

Oahu unit L, identified in the legal description in (a)(1)(i)(I), constitutes critical habitat for *Cyanea grimesiana* ssp. *grimesiana* on Oahu. Within this unit, currently known primary constituent elements of critical habitat are the habitat components provided by:

(1) Rocky or steep slopes of stream banks in mesic forest often dominated by *Metrosideros polymorpha* or *Metrosideros polymorpha* and *Acacia koa*, and containing one or more of the following associated native plant species: *Cyanea angustifolia*, *Joinvillea* sp., *Clermontia persicaefolia*, *Melicope* sp., *Dicranopteris linearis*, *Coprosma* sp., *Alyxia oliviformis*, *Syzygium sandwicensis*, *Diplazium sandwichianum*, *Antidesma* sp., *Bobea* sp., *Myrsine* sp., *Nestegis sandwicensis*, *Psychotria* sp., or *Xylosma* sp.; and

(2) Elevations between 114 and 746 m (374 and 2,447 ft).

Family Campanulaceae: *Cyanea grimesiana* ssp. *obatae* (haha)

Oahu A and I, identified in the legal descriptions in (a)(1)(i)(I), constitute critical habitat for *Cyanea grimesiana* ssp. *obatae* on Oahu. Within these units, currently known primary constituent

elements of critical habitat are the habitat components provided by:

(1) Steep, moist, shaded slopes in diverse mesic to wet lowland forests containing one or more of the following associated native plant species: *Pouteria sandwicensis*, *Psychotria hathewayi*, *Streblus pendulinus*, *Perrottetia sandwicensis*, *Dubautia* sp., *Rumex* sp., *Chamaesyce* sp., *Coprosma* sp., *Nothocestrum* sp., *Dryopteris unidentata*, *Freycinetia arborea*, *Cibotium chamissoi*, *Myrsine lessertiana*, *Hedyotis terminalis*, *Hedyotis acuminata*, *Selaginella arbuscula*, *Charpentiera obovata*, *Cyrtandra waianaeensis*, *Pipturus albidus*, *Claoxylon sandwicense*, *Pisonia umbellifera*, *Acacia koa*, *Antidesma platyphyllum*, *Metrosideros polymorpha*, *Diplazium sandwichianum*, and *Cyanea membranacea*; and

(2) Elevations between 404 and 1,092 m (1,325 and 3,528 ft).

*Family Campanulaceae: Cyanea humboltiana* (haha)

Oahu unit L, identified in the legal description in (a)(1)(i)(I), constitutes critical habitat for *Cyanea humboltiana* on Oahu. Within this unit, currently known primary constituent elements of critical habitat are the habitat components provided by:

(1) Wet *Metrosideros polymorpha-Dicranopteris linearis* lowland shrubland containing one or more of the following associated native plant species: ferns, *Hedyotis terminalis*, *Dubautia laxa*, *Cibotium chamissoi*, *Syzygium sandwicensis*, *Acacia koa*, *Psychotria mariniana*, *Bobea elatior*, *Sadleria* sp., *Wikstroemia* sp., *Broussaisia argutus*, *Phyllostegia* sp., *Melicope* sp., *Machaerina angustifolia*, *Ilex anomala*, or *Scaevola mollis*; and

(2) Elevations between 261 and 959 m (856 and 3,146 ft).

*Family Campanulaceae: Cyanea koolauensis* (haha)

Oahu unit L, identified in the legal description in (a)(1)(i)(I), constitutes critical habitat for *Cyanea koolauensis* on Oahu. Within this unit, currently known primary constituent elements of critical habitat are the habitat components provided by:

(1) Slopes, streambanks, and ridge crests in wet *Metrosideros polymorpha-Dicranopteris linearis* forest or shrubland containing one or more of the following associated native plant species: *Acacia koa*, *Bobea elatior*, *Syzygium sandwicensis*, *Pittosporum* sp., *Dubautia* sp., *Cibotium* sp., *Hedyotis* sp., *Wikstroemia* sp., *Bidens* sp., *Machaerina* sp., *Diploterygium*

*pinnatum*, *Pritchardia martii*, *Sadleria* sp., *Broussaisia argutus*, *Melicope* sp., *Antidesma platyphyllum*, *Psychotria mariniana*, and *Scaevola* sp.; and

(2) Elevations between 163 and 959 m (535 and 3,146 ft).

*Family Campanulaceae: Cyanea longiflora* (haha)

Oahu A and L, identified in the legal descriptions in (a)(1)(i)(I), constitute critical habitat for *Cyanea longiflora* on Oahu. Within these units, currently known primary constituent elements of critical habitat are the habitat components provided by:

(1) Steep slopes, bases of cliffs, or ridge crests in mesic *Acacia koa-Metrosideros polymorpha* lowland forest containing one or more of the following associated native plant species: *Cibotium* sp., *Schiedea* sp., *Psychotria* sp., *Antidesma* sp., *Dicranopteris linearis*, *Coprosma* sp., or *Syzygium sandwicensis*; and

(2) Elevations between 221 and 1,191 m (725 and 3,906 ft).

*Family Campanulaceae: Cyanea pinnatifida* (haha)

Oahu unit I, identified in the legal description in (a)(1)(i)(I), constitutes critical habitat for *Cyanea pinnatifida* on Oahu. Within this unit, currently known primary constituent elements of critical habitat are the habitat components provided by:

(1) Steep, wet, rocky slopes in diverse mesic forest containing one or more of the following associated native plant species: *Strongylodon ruber*, *Pisonia umbellifera*, *Pisonia sandwicensis*, *Psychotria* sp., *Canavalia* sp., *Pipturus albidus*, *Diplazium sandwichianum*, or native ferns; and

(2) Elevations between 450 and 881 m (1,476 and 2,890 ft).

*Family Campanulaceae: Cyanea st.-johnii* (haha)

Oahu unit L, identified in the legal description in (a)(1)(i)(I), constitutes critical habitat for *Cyanea st.-johnii* on Oahu. Within this unit, currently known primary constituent elements of critical habitat are the habitat components provided by:

(1) Wet, windswept slopes and ridges in *Metrosideros polymorpha* mixed lowland shrubland or *Metrosideros polymorpha-Dicranopteris linearis* lowland shrubland containing one or more of the following associated native plant species: *Psychotria* sp., *Alyxia oliviformis*, *Melicope* sp., *Broussaisia argutus*, *Cibotium* sp., *Labordia* sp., *Scaevola mollis*, *Dubautia laxa*, *Hedyotis* sp., *Antidesma* sp., *Sadleria pallida*, *Syzygium sandwicensis*,

*Machaerina angustifolia*, *Bidens macrocarpa*, *Chamaesyce clusifolia*, or *Freycinetia arborea*; and

(2) Elevations between 415 and 959 m (1,361 and 3,146 ft).

*Family Campanulaceae: Cyanea superba* (haha)

Oahu A and L, identified in the legal descriptions in (a)(1)(i)(I), constitute critical habitat for *Cyanea superba* on Oahu. Within these units, currently known primary constituent elements of critical habitat are the habitat components provided by:

(1) Understory on sloping terrain on a well drained rocky substrate within mesic forest containing one or more of the following associated native plant species: *Diospyros* sp., *Metrosideros polymorpha*, *Xylosma* sp., *Nestegis sandwicensis*, *Psychotria* sp., *Hedyotis terminalis*, and *Pisonia brunoniana*; and

(2) Elevations between 354 and 872 m (1,161 and 2,860 ft).

*Family Campanulaceae: Cyanea truncata* (haha)

Oahu L and O, identified in the legal descriptions in (a)(1)(i)(I), constitute critical habitat for *Cyanea truncata* on Oahu. Within these units, currently known primary constituent elements of critical habitat are the habitat components provided by:

(1) Windward slopes and streambanks in mesic to wet forests containing one or more of the following associated native plant species: *Cyrtandra calpidicarpa*, *Cyrtandra laxiflora*, *Pipturus albidus*, *Cibotium chamissoi*, *Hibiscus arnottianus*, *Diospyros sandwicensis*, *Metrosideros polymorpha*, *Cyrtandra propinqua*, *Neraudia melastomifolia*, or *Pisonia umbellifera*; and

(2) Elevations between 54 and 705 m (177 and 2,312 ft).

*Family Campanulaceae: Delissea subcordata* (NCN)

Oahu A, I, and L, identified in the legal descriptions in (a)(1)(i)(I), constitute critical habitat for *Delissea subcordata* on Oahu. Within these units, currently known primary constituent elements of critical habitat are the habitat components provided by:

(1) Moderate to steep gulch slopes in mixed mesic forests containing one or more of the following associated native plant species: *Acacia koa*, *Alyxia oliviformis*, *Hedyotis acuminata*, *Streblus pendulinus*, *Diospyros sandwicensis*, *Psydrax odorata*, *Bobea* sp., *Myrsine lanaiensis*, *Claoxylon sandwicense*, *Charpentiera obovata*, *Chamaesyce multififormis*, *Pouteria sandwicensis*, *Antidesma* sp.,

*Metrosideros polymorpha*, *Pisonia* sp., *Diospyros hillebrandii*, *Nestegis sandwicensis*, or *Psychotria hathewayi*; and

(2) Elevations between 162 and 1025 m (531 and 3,362 ft).

**Family Campanulaceae: *Lobelia gaudichaudii* ssp. *koolauensis* (NCN)**

Oahu unit L, identified in the legal description in (a)(1)(i)(I), constitutes critical habitat for *Lobelia gaudichaudii* ssp. *koolauensis* on Oahu. Within this unit, currently known primary constituent elements of critical habitat are the habitat components provided by:

(1) Moderate to steep slopes in *Metrosideros polymorpha* lowland wet shrublands or bogs containing one or more of the following associated native plant species: *Sadleria pallida*, *Isachne distichophylla*, *Vaccinium dentatum*, *Cibotium* sp., *Melicope* sp., *Bidens* sp., *Scaevola* sp., *Machaerina angustifolia*, *Dicanthelium koolauensis*, or *Broussaisia arguta*; and

(2) Elevations between 383 and 867 m (1,256 and 2,844 ft).

**Family Campanulaceae: *Lobelia monostachya* (NCN)**

Oahu unit L, identified in the legal description in (a)(1)(i)(I), constitutes critical habitat for *Lobelia monostachya* on Oahu. Within this unit, currently known primary constituent elements of critical habitat are the habitat components provided by:

(1) Steep, sparsely vegetated cliffs in mesic shrubland containing one or more of the following associated native plant species: *Artemisia australis*, *Carex meyenii*, *Psilotum nudum*, or *Eragrostis* sp.; and

(2) Elevation between 44 and 614 m (144 to 2,014 ft).

**Family Campanulaceae: *Lobelia niihauensis* (NCN)**

Oahu A and I, identified in the legal descriptions in (a)(1)(i)(I), constitute critical habitat for *Lobelia niihauensis* on Oahu. Within these units, currently known primary constituent elements of critical habitat are the habitat components provided by:

(1) Exposed mesic or dry cliffs or ledges containing one or more of the following associated native plant species: *Osteomeles anthyllidifolia*, *Dodonaea viscosa*, *Schiedea mannii*, *Carex meyenii*, *Doryopteris* sp., *Sida fallax*, *Styphelia tameiameia*, *Eragrostis* sp., *Bidens* sp., *Plectranthus parviflorus*, *Lipochaeta tenuis*, or *Artemisia* sp.; and

(2) Elevations between 339 to 926 m (1,112 to 3,037 ft).

**Family Campanulaceae: *Lobelia oahuensis* (NCN)**

Oahu unit L, identified in the legal description in (a)(1)(i)(I), constitutes critical habitat for *Lobelia oahuensis* on Oahu. Within this unit, currently known primary constituent elements of critical habitat are the habitat components provided by:

(1) Steep slopes on summit cliffs in cloudswep wet forests or in lowland wet shrubland that are frequently exposed to heavy wind and rain containing one or more of the following associated native plant species: *Sadleria squarrosa*, *Peperomia* sp., *Broussaisia arguta*, *Scaevola* sp., *Vaccinium* sp., *Hedyotis* sp., *Cibotium* sp., *Freycinetia arborea*, *Lycopodium* sp., *Bidens* sp., *Wikstroemia* sp., *Phyllostegia* sp., *Syzygium sandwicensis*, *Melicope* sp., *Metrosideros polymorpha*, *Dicranopteris linearis*, *Machaerina angustifolia*, *Cheirodendron trigynum*, *Dubautia laxa*, or *Labordia hosakae*; and

(2) Elevations between 415 and 959 m (1,361 and 3,146 ft).

**Family Campanulaceae: *Trematalobelia singularis* (NCN)**

Oahu unit L, identified in the legal description in (a)(1)(i)(I), constitutes critical habitat for *Trematalobelia singularis* on Oahu. Within this unit, currently known primary constituent elements of critical habitat are the habitat components provided by:

(1) Steep, windswept cliff faces or slopes in *Metrosideros polymorpha*-*Dicranopteris linearis* lowland wet shrubland containing one or more of the following associated native plant species: *Eugenia* sp., *Wikstroemia* sp., *Melicope* sp., *Sadleria* sp., *Cibotium* sp., *Broussaisia arguta*, or *Dubautia laxa*; and

(2) Elevations between 545 and 953 m (1,788 and 3,126 ft).

**Family Caryophyllaceae: *Alsinidendron obovatum* (NCN)**

Oahu A and I, identified in the legal descriptions in (a)(1)(i)(I), constitute critical habitat for *Alsinidendron obovatum* on Oahu. Within these units, currently known primary constituent elements of critical habitat are the habitat components provided by:

(1) Ridges and slopes in lowland diverse mesic forest dominated by *Acacia koa* and *Metrosideros polymorpha* containing one or more of the following associated native plant species: *Bidens torta*, *Antidesma platyphyllum*, *Cibotium chamissoi*, *Hedyotis terminalis*, *Cyanea longiflora*, *Pipturus* sp., *Machaerina* sp., *Peperomia* sp., *Perrottetia sandwicensis*, *Ilex*

*anomala*, *Psydrax odorata*, *Coprosma* sp., or *Alyxia oliviformis*; and  
(2) Elevations between 476 and 943 m (1,561 and 3,093 ft).

**Family Caryophyllaceae: *Alsinidendron trinerve* (NCN)**

Oahu unit A, identified in the legal description in (a)(1)(i)(I), constitutes critical habitat for *Alsinidendron trinerve* on Oahu. Within this unit, currently known primary constituent elements of critical habitat are the habitat components provided by:

(1) Slopes in wet forest or the wetter portions of diverse mesic forest dominated by *Metrosideros polymorpha* or *Ilex anomala* and *Metrosideros polymorpha* montane wet forest containing one or more of the following associated native plant species:

*Machaerina* sp., *Hedyotis* sp., *Peperomia* sp., *Perrottetia sandwicensis*, *Athyrium sandwichianum*, *Broussaisia arguta*, *Vaccinium* sp., *Phyllostegia* sp., *Coprosma ochracea*, *Gunnera* sp., *Nothoperanema rubiginosa*, or *Pipturus albidus*; and

(2) Elevations between 833 and 1,233 m (2,732 and 4,044 ft).

**Family Caryophyllaceae: *Schiedea hookeri* (NCN)**

Oahu A, D, and I, identified in the legal descriptions in (a)(1)(i)(I), constitute critical habitat for *Schiedea hookeri* on Oahu. Within these units, currently known primary constituent elements of critical habitat are the habitat components provided by:

(1) Slopes, cliffs or cliff bases, rock walls, or ledges in diverse mesic or dry lowland forest often with *Metrosideros polymorpha*, *Diospyros sandwicensis*, or *Diospyros hillebrandii* dominant, containing one or more of the following associated native plant species: *Carex wahuensis*, *Psydrax odoratum*, *Acacia koa*, *Bidens torta*, *Alyxia oliviformis*, *Pouteria sandwicensis*, *Hibiscus* sp., *Charpentiera tomentosa*, *Styphelia tameiameia*, *Sida fallax*, *Pisonia sandwicensis*, *Lipochaeta tenuis*, *Stenogyne* sp., *Antidesma pulvinatum*, *Elaeocarpus bifidus*, *Dodonaea viscosa*, *Artemisia australis*, *Carex meyenii*, or *Eragrostis grandis*; and

(2) Elevations between 208 and 978 m (682 and 3,208 ft).

**Family Caryophyllaceae: *Schiedea kaalae* (NCN)**

Oahu A, I, L, and O, identified in the legal descriptions in (a)(1)(i)(I), constitute critical habitat for *Schiedea kaalae* on Oahu. Within these units, currently known primary constituent elements of critical habitat are the habitat components provided by:



(1) Steep slopes, cliffs, streambanks, or deep shade in diverse mesic or wet forests containing one or more of the following associated native plant species: *Pisonia sandwicensis*, *Psychotria hathewayi*, *Pouteria sandwicensis*, *Freycinetia arborea*, *Pipturus albidus*, *Cyrtandra laxiflora*, *Hedyotis acuminata*, *Selaginella arbuscula*, *Cyrtandra calpidicarpa*, *Boehmeria grandis*, *Claoxylon sandwicense*, *Diospyros hillebrandii*, *Dryopteris unidentata*, *Alyxia oliviformis*, *Charpentiera* sp., *Athyrium sandwichianum*, *Xylosma hawaiiense*, *Nothocestrum longifolium*, *Athyrium arnottii*, or *Pisonia umbellifera*; and

(2) Elevations between 64 and 869 m (210 and 2,850 ft).

Family Caryophyllaceae: *Schiedea kealiae* (NCN)

Oahu unit A, identified in the legal description in (a)(1)(i)(I), constitutes critical habitat for *Schiedea kealiae* on Oahu. Within this unit, currently known primary constituent elements of critical habitat are the habitat components provided by:

(1) Steep slopes or cliff faces or bases in dry remnant *Erythrina sandwicensis* forest containing one or more of the following associated native plant species: *Sicyos* sp., *Plumbago zeylanica*, *Lepidium bidentatum*, *Lipochaeta remyi*, *Myoporum sandwicense*, *Hibiscus arnottianus*, *Psydrax odorata*, *Bidens* sp., or *Sida fallax*; and

(2) Elevations between 64 and 869 m (210 and 2,850 ft.)

Family Caryophyllaceae: *Schiedea nuttallii* (NCN)

Oahu A and I, identified in the legal description in (a)(1)(i)(I), constitutes critical habitat for *Schiedea nuttallii* on Oahu. Within these units, currently known primary constituent elements of critical habitat are the habitat components provided by:

(1) Rock walls, forested slopes, or steep walls in *Acacia koa*-*Metrosideros polymorpha* lowland mesic forest or *Metrosideros polymorpha*-*Dodonaea viscosa* forest containing one or more of the following associated native plant species: *Alyxia oliviformis*, *Bidens torta*, *Psydrax odorata*, *Cyanea longiflora*, *Cibotium chamissoi*, *Hedyotis terminalis*, *Perrottetia sandwicensis*, *Ilex anomala*, *Coprosma* sp., *Peperomia* sp., *Machaerina* sp., *Pipturis* sp., or *Antidesma platyphyllum*; and

(2) Elevations between 436 and 1185 m (1,430 and 3,887 ft).

Family Caryophyllaceae: *Silene lanceolata* (NCN)

Oahu unit A, identified in the legal description in (a)(1)(i)(I), constitutes critical habitat for *Silene lanceolata* on Oahu. Within this unit, currently known primary constituent elements of critical habitat are the habitat components provided by:

(1) Cliff faces or ledges of gullies in dry to mesic shrubland or cliff communities containing one or more of the following associated native plant species: *Artemisia australis*, *Dodonaea viscosa*, *Schiedea mannii*, *Tetramolopium fifulforme*, *Bidens* sp., *Carex* sp., *Osteomeles anthyllifolia*, *Chamaesyce* sp., or *Lysimachia* sp.; and

(2) Elevations between 351 to 978 m (1,151 to 3,208 ft).

Family Caryophyllaceae: *Silene perlmannii* (NCN)

Oahu unit I, identified in the legal description in (a)(1)(i)(I), constitutes critical habitat for *Silene perlmannii* on Oahu. Within this unit, currently known primary constituent elements of critical habitat are the habitat components provided by:

(1) Steep rocky slopes in *Acacia koa*-*Metrosideros polymorpha* lowland mesic forest; and

(2) Elevations between 493 and 919 m (1,617 and 3,014 ft).

Family Convolvulaceae: *Bonamia menziesii* (NCN)

Oahu A, B, C, D, I, L, and P, identified in the legal descriptions in (a)(1)(i)(I), constitute critical habitat for *Bonamia menziesii* on Oahu. Within these units, currently known primary constituent elements of critical habitat are the habitat components provided by:

(1) Steep slopes or level ground in dry or mesic forest in open or closed canopy containing one or more of the following associated native plant species: *Alyxia oliviformis*, *Pleomele* sp., *Sida fallax*, *Waltheria indica*, *Erythrina sandwicensis*, *Rauvolfia sandwicensis*, *Sicyos* sp., *Acacia koa*, *Styphelia tameiameia*, *Dodonaea viscosa*, *Metrosideros polymorpha*, *Psydrax odorata*, *Dianella sandwicensis*, *Diospyros sandwicensis*, *Hedyotis terminalis*, *Melicope anisata*, *Melicope barbiger*, *Myoporum sandwicensis*, *Nestegis sandwicense*, *Pisonia* sp., *Pittosporum* sp., *Pouteria sandwicensis*, or *Sapindus oahuensis*; and

(2) Elevations between 31 and 809 m (102 and 2,654 ft).

Family Cyperaceae: *Cyperus trachysanthos* (puukaa)

Oahu A, W, and X, identified in the legal descriptions in (a)(1)(i)(I),

constitute critical habitat for *Cyperus trachysanthos* on Oahu. Within these units, currently known primary constituent elements of critical habitat are the habitat components provided by:

(1) Mud flats, wet clay soil, seasonal ponds, or wet cliff seeps on coastal cliffs or talus slopes containing *Hibiscus tiliaceus*; and

(2) Elevations above 248 m (813 ft).

Family Cyperaceae: *Mariscus pennatififormis* (NCN)

Oahu unit A, identified in the legal description in (a)(1)(i)(I), constitutes critical habitat for *Mariscus pennatififormis* on Oahu. Within this unit, currently known primary constituent elements of critical habitat are the habitat components provided by:

(1) Mesic and wet *Metrosideros polymorpha* forest and *Metrosideros polymorpha*-*Acacia koa* forest; and

(2) Elevations between 424 and 1,032 m (1,391 and 3,385 ft).

Family Euphorbiaceae: *Chamaesyce celastroides* var. *kaenana* (akoko)

Oahu A, D, and L, identified in the legal descriptions in (a)(1)(i)(I), constitute critical habitat for *Chamaesyce celastroides* var. *kaenana* on Oahu. Within these units, currently known primary constituent elements of critical habitat are the habitat components provided by:

(1) Windward talus slopes, leeward rocky cliffs, open grassy slopes, or on vegetated cliff faces in coastal dry shrubland containing one or more of the following associated native plant species: *Lipochaeta lobata*, *Myoporum sandwicense*, *Heteropogon contortus*, *Santalum* sp., *Plumbago zeylanica*, *Psydrax odorata*, *Boerhavia* sp., *Waltheria indica*, *Dodonaea viscosa*, *Artemisia australis*, *Psilotum nudum*, *Chamaesyce celastroides* var. *amplectans*, *Gossypium tomentosum*, *Jacquemontia ovalifolia* ssp. *sandwicensis*, *Santalum freycinetianum*, or *Sida fallax*; and

(2) Elevations between sea level and 862 m (0 and 2,827 ft).

Family Euphorbiaceae: *Chamaesyce deppeana* (akoko)

Oahu unit L, identified in the legal description in (a)(1)(i)(I), constitutes critical habitat for *Chamaesyce deppeana* on Oahu. Within this unit, currently known primary constituent elements of critical habitat are the habitat components provided by:

(1) Windward facing ridge crests, cliff faces and mixed native cliffs containing one or more of the following associated native plant species: *Metrosideros polymorpha* or *Bidens sandwicensis*; and

(2) Elevations from 274 to 661 m (899 to 2,168 ft).

Family Euphorbiaceae: *Chamaesyce herbstii* (akoko)

Oahu A and I, identified in the legal descriptions in (a)(1)(i)(I), constitutes critical habitat for *Chamaesyce herbstii* on Oahu. Within these units, currently known primary constituent elements of critical habitat are the habitat components provided by:

(1) Shaded gulch bottoms and slopes in mesic *Acacia koa*-*Metrosideros polymorpha* lowland forests or diverse mesic forests containing one or more of the following associated native plant species: *Xylosma* sp., *Pteralyxia* sp., *Morinda trimera*, *Hedyotis* sp., *Coprosma* sp., *Pipturis albidus*, *Diplazium sandwicense*, *Antidesma platyphyllum*, *Hibiscus arnottianus* var. *arnottianus*, *Melicope* sp., *Pouteria sandwicensis*, or *Ureia glabra*; and

(2) Elevations between 435 and 886 m (1,427 and 2,906 ft).

Family Euphorbiaceae: *Chamaesyce kuwaleana* (akoko)

Oahu E, F, H, I, R, and U, identified in the legal descriptions in (a)(1)(i)(I), constitute critical habitat for *Chamaesyce kuwaleana* on Oahu. Within these units, currently known primary constituent elements of critical habitat are the habitat components provided by:

(1) Thin guano soil on basaltic rock, arid, exposed volcanic cliffs, dry or mesic rocky ridges, or sparsely vegetated slopes containing one or more of the following associated native plant species: *Heteropogon contortus*, *Bidens* sp., *Artemisia* sp., *Plectranthus parvilifolius*, *Chamaesyce* sp., *Schiedea* sp., *Carex* sp., *Sida fallax* or *Dodonaea viscosa*; and

(2) Elevations between 0 and 596 m (0 and 1,955 ft).

Family Euphorbiaceae: *Chamaesyce rockii* (akoko)

Oahu unit L, identified in the legal description in (a)(1)(i)(I), constitutes critical habitat for *Chamaesyce rockii* on Oahu. Within this unit, currently known primary constituent elements of critical habitat are the habitat components provided by:

(1) Gulch slopes, gulch bottoms, and ridge crests in wet *Metrosideros polymorpha*-*Dicranopteris linearis* forest and shrubland containing one or more of the following associated native plant species: *Bidens* sp., *Antidesma platyphyllum*, *Hedyotis terminalis*, *Psychotria* spp., *Melicope* spp., *Coprosma longifolia*, *Diplopterygium pinnatum*, *Cibotium* sp., *Broussaisia*

*arguta*, *Dubautia laxa*, *Machaerina* sp., *Psychotria fauriei*, *Wikstroemia* sp., or *Myrsine juddii*; and

(2) Elevations between 208 and 871 m (682 and 2,857 ft).

Family Euphorbiaceae: *Euphorbia haeleleana* (akoko)

Oahu A, B, D, and P, identified in the legal descriptions in (a)(1)(i)(I), constitute critical habitat for *Euphorbia haeleleana* on Oahu. Within these units, currently known primary constituent elements of critical habitat are the habitat components provided by:

(1) Dry forest dominated by *Diospyros* sp. containing one or more of the following associated native plant species: *Psydrax odorata*, *Dodonaea viscosa*, *Erythrina sandwicensis*, *Pleomele* sp., *Reynoldsia sandwicensis*, or *Sapindus oahuensis*; and

(2) Elevations between 156 and 586 m (512 and 1,922 ft).

Family Euphorbiaceae: *Flueggea neowawraea* (mehamehame)

Oahu A and I, identified in the legal descriptions in (a)(1)(i)(I), constitute critical habitat for *Flueggea neowawraea* on Oahu. Within these units, currently known primary constituent elements of critical habitat are the habitat components provided by:

(1) Gulch slopes, ridge crests, or near streams in dry or mesic forest containing one or more of the following associated native plant species: *Pisonia sandwicensis*, *Hibiscus arnottianus*, *Morinda sandwicensis*, *Hedyotis terminalis*, *Alyxia oliviformis*, *Chamaesyce multifloris*, *Metrosideros polymorpha*, *Myrsine* sp., *Pleomele* sp., *Myoporum sandwicense*, *Chamaesyce herbstii*, *Pteralyxia* sp., *Pipturis albidus*, *Diospyros hillebrandii*, *Pisonia umbellifera*, *Charpentiera* sp., *Claoxylon sandwicensis*, *Antidesma platyphyllum*, *Sapindus oahuensis*, *Pittosporum* sp., *Erythrina sandwicensis*, *Diospyros sandwicensis*, *Antidesma pulvinatum*, *Bobea* sp., *Psydrax odorata*, *Nestegis sandwicensis*, *Rauvolfia sandwicensis*, or *Streblus pendulina*; and

(2) Elevations between 323 to 1,006 m (1,059 to 3,300 ft).

Family Fabaceae: *Sesbania tomentosa* (ohai)

Oahu A, M, N, Q, R, S, T, U, and V, identified in the legal descriptions in (a)(1)(i)(I), constitute critical habitat for *Sesbania tomentosa* on Oahu. Within these units, currently known primary constituent elements of critical habitat are the habitat components provided by:

(1) Cliff faces, broken basalt, or sand dunes with rock outcrops in *Scaevola*

*sericea* coastal dry shrubland or *Sporobolus virginicus* mixed grasslands containing one or more of the following associated native plant species:

*Heliotropium* sp., *Jacquemontia sandwicensis*, *Myoporum sandwicense*, *Sida fallax*, or *Lipochaeta* sp.; and

(2) Elevations between sea level and 152 m (0 and 499 ft).

Family Fabaceae: *Vigna o-wahuensis* (NCN)

Oahu S, T, and U, identified in the legal descriptions in (a)(1)(i)(I), constitute critical habitat for *Vigna o-wahuensis* on Oahu. Within these units, currently known primary constituent elements of critical habitat are the habitat components provided by:

(1) Open dry fossil reef, with shrubs or grasses for the plant to climb over or fairly steep slopes; and

(2) Elevations between 0 and 609 m (0 and 1,998 ft).

Family Gentianaceae: *Centaurium sebaeoides* (awiwi)

Oahu A, M, N, and W, identified in the legal descriptions in (a)(1)(i)(I), constitute critical habitat for *Centaurium sebaeoides* on Oahu. Within these units, currently known primary constituent elements of critical habitat are the habitat components provided by:

(1) Volcanic or clay soils or cliffs in arid coastal areas or on coral plains containing one or more of the following associated native plant species:

*Artemisia* sp., *Bidens* sp., *Jacquemontia ovalifolia*, *Lipochaeta succulenta*, or *Lysimachia* sp.; and

(2) Below 368 m (1,207 ft).

Family Gesneriaceae: *Cyrtandra dentata* (haiwale)

Oahu A, I, and L, identified in the legal descriptions in (a)(1)(i)(I), constitute critical habitat for *Cyrtandra dentata* on Oahu. Within these units, currently known primary constituent elements of critical habitat are the habitat components provided by:

(1) Gulches, slopes, streambanks, or ravines in mesic or wet forest containing one or more of the following associated native plant species: *Ureia glabra*, *Acacia koa*, *Pisonia sandwicensis*, *Pipturis albidus*, *Metrosideros polymorpha*, *Pouteria sandwicensis*, *Pisonia umbellifera*, or *Syzygium sandwicensis*; and

(2) Elevations between 255 and 953 m (836 and 3,126 ft).

Family Gesneriaceae: *Cyrtandra polyantha* (haiwale)

Oahu unit L, identified in the legal description in (a)(1)(i)(I), constitutes

critical habitat for *Cyrtandra polyantha* on Oahu. Within this unit, currently known primary constituent elements of critical habitat are the habitat components provided by:

(1) Ridges of valleys in *Metrosideros polymorpha* mesic or wet forests containing one or more of the following associated native plant species: *Machaerina angustifolia*, *Dicranopteris linearis*, *Broussaisia arguta*, *Coprosma foliosa*, or *Psychotria* sp.; and

(2) Elevations between 331 and 762 m (1,086 and 2,499 ft).

Family Gesneriaceae: *Cyrtandra subumbellata* (haiwale)

Oahu unit L, identified in the legal description in (a)(1)(i)(I), constitutes critical habitat for *Cyrtandra subumbellata* on Oahu. Within this unit, currently known primary constituent elements of critical habitat are the habitat components provided by:

(1) Moist slopes or gulch bottoms in wet forest dominated by *Metrosideros polymorpha* or a mixture of *Metrosideros polymorpha*-*Dicranopteris linearis*-*Acacia koa* containing one or more of the following associated native plant species: *Machaerina* sp., *Boehmeria grandis*, *Broussaisia arguta*, or *Thelypteris* sp.; and

(2) Elevations between 345 and 790 m (1,132 and 2,591 ft).

Family Gesneriaceae: *Cyrtandra viridiflora* (haiwale)

Oahu unit L, identified in the legal description in (a)(1)(i)(I), constitutes critical habitat for *Cyrtandra viridiflora* on Oahu. Within this unit, currently known primary constituent elements of critical habitat are the habitat components provided by:

(1) Wind blown ridge tops in cloud covered wet forest or shrubland containing one or more of the following associated native plant species: *Diplopterygium pinnatum*., *Psychotria* sp., *Freycinetia arborea*, *Dubautia* sp., *Ilex anomala*, *Melicope* sp., *Hedyotis* sp., *Cheirodendron platyphyllum*, *Broussaisia arguta*, *Metrosideros polymorpha*, *Syzygium sandwicensis*, *Machaerina* sp., *Metrosideros rugosa*, or *Dicranopteris linearis*; and

(2) Elevations between 443 and 867 m (1,453 and 2,844 ft).

Family Loganiaceae: *Labordia cyrtandrae* (kamakahala)

Oahu A and L, identified in the legal descriptions in (a)(1)(i)(I), constitute critical habitat for *Labordia cyrtandrae* on Oahu. Within these units, currently known primary constituent elements of critical habitat are the habitat components provided by:

(1) Shady gulches, slopes, or glens in mesic to wet forests and shrublands dominated by *Metrosideros polymorpha*, *Diplopterygium pinnatum*, and/or *Acacia koa* containing one or more of the following associated native plant species: *Broussaisia arguta*, *Cyrtandra* sp., *Phyllostegia* sp., *Dicranopteris linearis*, *Antidesma* sp., *Bidens torta*, *Artemisia australis*, *Dubautia plantaginea*, *Rumex* sp., *Lysimachia hillebrandii*, *Chamaesyce* sp., *Coprosma* sp., *Boehmeria grandis*, *Peperomia membranaceae*, *Pouteria sandwicensis*, *Diplazium sandwichianum*, *Pipturus albidus*, *Perrottetia sandwicensis*, or *Psychotria* sp.; and

(2) Elevations between 212 and 1,233 m (695 and 4,044 ft).

Family Lamiaceae: *Phyllostegia hirsuta* (NCN)

Oahu A, I, and L, identified in the legal descriptions in (a)(1)(i)(I), constitute critical habitat for *Phyllostegia hirsuta* on Oahu. Within these units, currently known primary constituent elements of critical habitat are the habitat components provided by:

(1) Steep, shaded slopes, cliffs, ridges, gullies, or streambanks in mesic or wet forests dominated by *Metrosideros polymorpha* or a mixture of *Metrosideros polymorpha* and *Dicranopteris linearis* containing one or more of the following associated native plant species: *Pisonia* sp., *Diplazium sandwichianum*, *Freycinetia arborea*, *Chamaesyce multiformis*, *Hibiscus* sp., *Rumex albescens*, *Machaerina angustifolia*, *Clermontia kekeana*, *Perottetia sandwicensis*, *Cibotium* sp., *Hedyotis schlehtendahlana*, *Ilex anomala*, *Lysimachia hillebrandii*, *Melicope* sp., *Psychotria* sp., *Astelia* sp., *Antidesma platyphyllum*, *Dubautia laxa*, *Cyanea membranacea*, *Elaeocarpus bifidus*, *Myrsine sandwicensis*, *Scaevola gaudichaudiana*, *Pleomele* sp., *Dryopteris unidentata*, *Streblus pendulinus*, *Claoxylon sandwicense*, *Nothocestrum* sp., *Neraudia* sp., *Zanthoxylum kauaense*, *Labordia kaalae*, *Cyrtandra waianaensis*, *Phyllostegia grandiflora*, *Liparis hawaiiensis*, *Dubautia sherffiana*, *Pouteria sandwicensis*, *Broussaisia arguta*, *Pipturis* sp., *Coprosma longifolia*, *Hedyotis terminalis*, *Myrsine lessertiana*, or native ferns; and

(2) Elevations between 195 and 1,202 m (640 and 3,943 ft).

Family Lamiaceae: *Phyllostegia kaalaensis* (NCN)

Oahu A and I, identified in the legal descriptions in (a)(1)(i)(I), constitute

critical habitat for *Phyllostegia kaalaensis* on Oahu. Within these units, currently known primary constituent elements of critical habitat are the habitat components provided by:

(1) Gulch slopes or bottoms or almost vertical rock faces in mesic forest or *Sapindus oahuensis* forest containing one or more of the following associated native plant species: *Myrsine lanaiensis*, *Myrsine lessertiana*, *Psychotria hathewayi*, *Antidesma platyphyllum*, *Diplazium sandwichianum*, *Pipturus albidus*, *Hibiscus* sp., *Claoxylon sandwicense*, *Neraudia melastomifolia*, *Streblus pendulinus*, *Pouteria sandwicensis*, *Freycinetia arborea*, or *Urera glabra*; and

(2) Elevations between 374 and 796 m (1,227 and 2,611 ft).

Family Lamiaceae: *Phyllostegia mollis* (NCN)

Oahu A and I, identified in the legal descriptions in (a)(1)(i)(I), constitute critical habitat for *Phyllostegia mollis* on Oahu. Within these units, currently known primary constituent elements of critical habitat are the habitat components provided by:

(1) Steep slopes or gulches in diverse mesic to wet forests containing one or more of the following associated native plant species: *Pouteria sandwicensis*, *Antidesma platyphyllum*, *Dryopteris unidentata*, *Carex meyenii*, *Metrosideros polymorpha*, *Chamaesyce multiformis*, *Acacia koa*, *Claoxylon sandwicense*, *Alyxia oliviformis*, *Myrsine* sp., *Diospyros hillebrandii*, *Psychotria hathewayi*, *Pipturus alba*, *Urera glabra*, or *Pisonia umbellifera*; and

(2) Elevations between 519 to 928 m (1,702 to 3,044 ft).

Family Lamiaceae: *Phyllostegia parviflora* (NCN)

Oahu unit I, identified in the legal description in (a)(1)(i)(I), constitutes critical habitat for *Phyllostegia parviflora* var. *lydgatei* on Oahu. Within this unit, currently known primary constituent elements of critical habitat are the habitat components provided by:

(1) Moderate to steep slopes in mesic forest containing one or more of the following associated native plant species: *Xylosma hawaiiense*, *Claoxylon sandwicense*, *Antidesma platyphyllum*, *Pouteria sandwicensis*, *Pipturus albidus*, *Myrsine lessertiana*, *Chamaesyce multiformis*, *Coprosma foliosa*, *Dryopteris unidentata*, *Selaginella arbuscula*, or *Pipturus alba*; and

(2) Elevations between 555 to 881 m (1,820 to 2,890 ft).

Oahu unit L, identified in the legal description in (a)(1)(i)(I), constitutes

critical habitat for *Phyllostegia parviflora* var. *parviflora* on Oahu. Within this unit, currently known primary constituent elements of critical habitat are the habitat components provided by:

(1) *Metrosideros polymorpha* mixed lowland wet forest containing one or more of the following associated native plant species: *Cibotium* sp., *Dicranopteris linearis*, *Broussaisia arguta*, *Antidesma* sp., *Pritchardia* sp., *Tetraplasandra* sp., *Touchardia latifolia*, *Pipturus* sp., *Cheirodendron* sp., *Phyllostegia glabra*, *Cyrtandra* sp., *Syzygium sandwicensis*, or *Melicope* sp.; and

(2) Elevations between 232 and 867 m (761 and 2,844 ft).

*Family Lamiaceae: Stenogyne kanehoana* (NCN)

Oahu A and I, identified in the legal descriptions in (a)(1)(i)(I), constitute critical habitat for *Stenogyne kanehoana* on Oahu. Within these units, currently known primary constituent elements of critical habitat are the habitat components provided by:

(1) Lowland mesic forest containing one or more of the following associated native plant species: *Acacia koa*, *Metrosideros polymorpha*, *Psychotria* sp., *Freycinetia arborea*, *Bidens* sp., *Chamaesyce* sp., *Alyxia oliviformis*, *Cibotium* sp., or *Scaevola* sp.; and

(2) Elevations between 559 and 1,168 m (1,834 and 3,831 ft).

*Family Malvaceae: Abutilon sandwicense* (NCN)

Oahu A and I, identified in the legal descriptions in (a)(1)(i)(I), constitute critical habitat for *Abutilon sandwicense* on Oahu. Within these units, currently known primary constituent elements of critical habitat are the habitat components provided by:

(1) Steep slopes or gulches in dry to mesic lowland forest containing one or more of the following associated native plant species: *Sapindus oahuensis*, *Hibiscus arnottianus*, *Psydrax odorata*, *Diospyros sandwicensis*, *Reynoldsia sandwicensis*, *Nestegis sandwicensis*, *Antidesma pulvinatum*, *Pittosporum* sp., *Pleomele* sp., *Rauvolfia sandwicensis*, *Myrsine lanaiensis*, *Pisonia* sp., *Metrosideros polymorpha*, *Pipturus albidus*, *Eugenia reinwartiana*, or *Elaeocarpus bifidus*; and

(2) Elevations between 149 and 875 m (489 and 2,870 ft).

*Family Malvaceae: Hibiscus brackenridgei* (*mao hau hele*)

Oahu A, B, D, I, and P, identified in the legal descriptions in (a)(1)(i)(I), constitute critical habitat for *Hibiscus*

*brackenridgei* ssp. *mokuleianus* on Oahu. Within these units, currently known primary constituent elements of critical habitat are the habitat components provided by:

(1) Slopes, cliffs, or arid ledges in lowland dry forest or shrubland containing one or more of the following associated native plant species: *Erythrina sandwicensis*, *Heteropogon contortus*, *Waltheria indica*, *Doryopteris* sp., *Lepidium bidentatum*, *Lipochaeta remyi*, *Bidens amplexans*, *Chamaesyce* sp., *Reynoldsia sandwicensis*, *Pleomele halapepe*, *Diospyros hillebrandii*, *Dodonaea viscosa*, *Psydrax odorata* or *Sida fallax*; and

(2) Elevations between 24 to 490 m (79 to 1,607 ft).

Oahu A, identified in the legal description in (a)(1)(i)(I), constitutes critical habitat for *Hibiscus brackenridgei* ssp. *molokaiana* on Oahu. Within this unit, currently known primary constituent elements of critical habitat are the habitat components provided by:

(1) Dry shrublands containing one or more of the following associated native plant species: *Waltheria indica*, *Sida fallax*, *Doryopteris* sp., *Dodonaea viscosa*, or *Heteropogon contortus*; and

(2) Elevations between 23 and 580 m (75 to 1,902 ft).

*Family Myrsinaceae: Myrsine juddii* (*kolea*)

Oahu L, identified in the legal description in (a)(1)(i)(I), constitutes critical habitat for *Myrsine juddii* on Oahu. Within this unit, currently known primary constituent elements of critical habitat are the habitat components provided by:

(1) Ridge crests or gulch slopes in wet forests or shrublands dominated by *Metrosideros polymorpha* or a mixture of *Metrosideros polymorpha* and *Dicranopteris linearis* containing one or more of the following associated native plant species: *Machaerina* sp., *Cheirodendron trigynum*, *Melicope clusiifolia*, *Psychotria mariniana*, *Cheirodendron platyphyllum*, or *Syzygium sandwicensis*; and

(2) Elevations between 384 and 867 m (1,260 and 2,844 ft).

*Family Myrtaceae: Eugenia koolauensis* (*nioi*)

Oahu A and L, identified in the legal descriptions in (a)(1)(i)(I), constitute critical habitat for *Eugenia koolauensis* on Oahu. Within these units, currently known primary constituent elements of critical habitat are the habitat components provided by:

(1) Gentle to steep slopes or ridges in mesic or dry forests dominated by

*Metrosideros polymorpha* or *Diospyros* sp. containing one or more of the following associated native plant species: *Bohea elatior*, *Rauvolfia sandwicensis*, *Alyxia oliviformis*, *Pouteria sandwicensis*, *Dicranopteris linearis*, *Styphelia tameiameia*, *Carex meyenii*, *Myrsine lessertiana*, *Nestegis sandwicensis*, *Pleomele halapepe*, or *Psydrax odorata*; and

(2) Elevations between 57 to 437 m (187 to 1,433 ft).

*Family Orchidaceae: Platanthera holochila* (NCN)

Oahu L, identified in the legal description in (a)(1)(i)(I), constitutes critical habitat for *Platanthera holochila* on Oahu. Within this unit, currently known primary constituent elements of critical habitat are the habitat components provided by:

(1) *Metrosideros polymorpha*-*Dicranopteris linearis* montane wet forest or *Metrosideros polymorpha* mixed montane bogs containing one or more of the following associated native plant species: *Cibotium* sp., *Coprosma ernodeoides*, *Styphelia tameiameia*, *Wikstroemia* sp., *Scaevola chamissoniana*, *Sadleria* sp., *Lythrum maritimum*, *Deschampsia nubigena*, *Luzula hawaiiensis*, *Sisyrinchium acre*, *Broussaisia arguta*, *Clermontia* sp., *Lycopodium cernuum*, *Dubautia scabra*, *Polypodium pellucidum*, *moreletia gahniiformis*, or *Vaccinium reticulatum*; and

(2) Elevations between 447 and 867 m (1,466 and 2,844 ft).

*Family Plantaginaceae: Plantago princeps* (*laukahi kuahiwi*)

Oahu L, identified in the legal description in (a)(1)(i)(I), constitutes critical habitat for *Plantago princeps* var. *longibracteata* on Oahu. Within this unit, currently known primary constituent elements of critical habitat are the habitat components provided by:

(1) Sides of waterfalls or wet rock faces containing one or more of the following associated native plant species: *Lobelia gaudichaudii*, *Scaevola glabra*, *Bidens* sp., *Eugenia* sp., *Coprosina granadensis*, or *Metrosideros rugosa*; and

(2) Elevations around 64 and 835 m (210 and 2,844 ft).

Oahu A, I, and L, identified in the legal descriptions in (a)(1)(i)(I), constitute critical habitat for *Plantago princeps* var. *princeps* on Oahu. Within these units, currently known primary constituent elements of critical habitat are the habitat components provided by:

(1) Slopes or ledges in *Metrosideros polymorpha* lowland mesic forests or shrublands containing one or more of

the following associated native plant species: *Lysimachia* sp., *Chamaesyce* sp., *Eragrostis* sp., *Pilea peploides*, *Artemisia australis*, *Viola* sp., *Dubautia plantaginea*, or *Bidens* sp.; and

(2) Elevations between 110 and 1,064 m (361 and 3,490 ft).

**Family Poaceae: *Cenchrus agrimonioides* (*kamanomano*)**

Oahu A and I, identified in the legal descriptions in (a)(1)(i)(I), constitute critical habitat for *Cenchrus agrimonioides* var. *agrimonioides* on Oahu. Within these units, currently known primary constituent elements of critical habitat are the habitat components provided by:

(1) Dry ridges or upper slopes, or ridges in lowland mixed mesic forest containing one or more of the following associated native plant species: *Acacia koa*, *Metrosideros polymorpha*, *Alyxia oliviformis*, *Psydrax odorata*, *Diospyros sandwicensis*, *Carex wahuensis*, *Nestegis sandwicensis*, *Psychotria* sp., *Bobea* sp., *Chamaesyce multiformis*, *Gahnia beecheyi*, *Coprosma foliosa*, *Styphelia tameiameiae*, or *Eragrostis variabilis*; and

(2) Elevations between 357 and 890 m (1,171 and 2,919 ft).

**Family Poaceae: *Eragrostis fosbergii* (NCN)**

Oahu A, identified in the legal description in (a)(1)(i)(I), constitutes critical habitat for *Eragrostis fosbergii* on Oahu. Within this unit, currently known primary constituent elements of critical habitat are the habitat components provided by:

(1) Ridge crests or moderate slopes in dry or mesic forests containing one or more of the following associated native plant species: *Chamaesyce* sp., *Alyxia oliviformis*, *Sphenomeris* sp., *Nephrolepis exaltata*, *Doodia* sp., *Bidens* sp., *Melicope* sp., *Acacia koa*, *Metrosideros polymorpha*, *Psydrax odorata*, *Dodonaea viscosa*, or *Eragrostis grandis*; and

(2) Elevations between 578 and 941 m (1,896 and 3,086 ft).

**Family Primulaceae: *Lysimachia filifolia* (no common name)**

Oahu L, identified in the legal description in (a)(1)(i)(I), constitutes critical habitat for *Lysimachia filifolia* on Oahu. Within this unit, currently known primary constituent elements of critical habitat are the habitat components provided by:

(1) Mossy banks at the base of cliff faces within the spray zone of waterfalls or along streams in lowland wet forests containing one or more of the following

associated native plant species: mosses, ferns, liverworts, or *Pilea peploides*; and

(2) Elevations between 65 and 798 m (213 and 2,617 ft).

**Family Rhamnaceae: *Colubrina oppositifolia* (*kauila*)**

Oahu A, identified in the legal description in (a)(1)(i)(I), constitutes critical habitat for *Colubrina oppositifolia* on Oahu. Within this unit, currently known primary constituent elements of critical habitat are the habitat components provided by:

(1) Lowland dry or mesic forests dominated by *Diospyros sandwicensis* containing one or more of the following associated native plant species: *Alyxia oliviformis*, *Nestegis sandwicensis*, *Sapindus oahuensis*, *Psydrax odorata*, or *Reynoldsia sandwicensis*; and

(2) Elevations between 277 and 761 m (909 and 2,496 ft).

**Family Rhamnaceae: *Gouania meyenii* (NCN)**

Oahu A, I, and X, identified in the legal descriptions in (a)(1)(i)(I), constitute critical habitat for *Gouania meyenii* on Oahu. Within these units, currently known primary constituent elements of critical habitat are the habitat components provided by:

(1) Moderate to steep slopes in dry shrubland or mesic lowland forest containing one or more of the following associated native plant species:

*Diospyros sandwicensis*, *Charpentiera* sp., *Alyxia oliviformis*, *Pisonia* sp., *Hibiscus* sp., *Canavalia* sp., *Sophora chrysophylla*, *Sida fallax*, *Schiedea* sp., *Dubautia sherffiana*, *Psydrax odorata*, *Eragrostis* sp., *Dryopteris unidentata*, *Sapindus oahuensis*, *Myrsine* sp., *Dodonaea viscosa*, *Chamaesyce* sp., *Psychotria* sp., *Hedyotis* sp., *Melicope* sp., *Nestegis sandwicensis*, *Bidens* sp., *Carex meyenii*, *Diospyros* sp., *Lysimachia* sp., or *Senna gaudichaudii*; and

(2) Elevations between 323 to 1,006 m (1,059 to 3,300 ft).

**Family Rhamnaceae: *Gouania vitifolia* (NCN)**

Oahu A, B, D, and P, identified in the legal descriptions in (a)(1)(i)(I), constitute critical habitat for *Gouania vitifolia* on Oahu. Within these units, currently known primary constituent elements of critical habitat are the habitat components provided by:

(1) Sides of ridges or gulches in dry to mesic forests containing one or more of the following associated native plant species: *Erythrina sandwicensis*, *Dodonaea viscosa*, *Hibiscus arnottianus*, *Pipturis albidus*, *Urera glabra*, *Chamaesyce* sp., *Psychotria* sp.,

*Hedyotis* sp., *Melicope* sp., *Nestegis sandwicensis*, *Bidens* sp., *Carex meyenii*, or *Diospyros sandwicensis*; and

(2) Elevation between 39 to 978 m (128 to 3,208 ft).

**Family Rubiaceae: *Gardenia mannii* (*nanu*)**

Oahu A, I, and L, identified in the legal descriptions in (a)(1)(i)(I), constitute critical habitat for *Gardenia mannii* on Oahu. Within these units, currently known primary constituent elements of critical habitat are the habitat components provided by:

(1) Moderate to moderately steep gulch slopes, ridge crests, gulch bottoms, and streambanks in mesic or wet forests containing one or more of the following associated native plant species: *Coprosma foliosa*, *Pisonia* sp., *Bobea* sp., *Syzygium sandwicensis*, *Melicope* sp., *Cheirodendron* sp., *Perotettia* sp., *Elaeocarpus* sp., *Cibotium* sp., *Thelypteris* sp., *Pipturus* sp., *Ilex anomala*, *Freycinetia arborea*, *Boehmeria grandis*, *Metrosideros polymorpha*, *Pouteria sandwicensis*, *Acacia koa*, *Dicranopteris linearis*, *Antidesma platyphyllum*, *Broussaisia arguta*, *Hedyotis acuminata*, *Alyxia oliviformis*, or *Psychotria mariniana*; and

(2) Elevations between 82 and 1,050 m (269 and 3,444 ft).

**Family Rubiaceae: *Hedyotis coriacea* (*kioele*)**

Oahu I and L, identified in the legal descriptions in (a)(1)(i)(I), constitute critical habitat for *Hedyotis coriacea* on Oahu. Within these units, currently known primary constituent elements of critical habitat are the habitat components provided by:

(1) Steep, rocky, slopes in dry to mesic *Dodonaea viscosa* dominated shrublands or forests containing one or more of the following associated native plant species: *Metrosideros polymorpha*, *Styphelia tameiameiae*, or *Alyxia oliviformis*; and

(2) Elevations between 57 and 836 m (187 and 2,742 ft).

**Family Rubiaceae: *Hedyotis degeneri* (NCN)**

Oahu A, identified in the legal description in (a)(1)(i)(I), constitutes critical habitat for *Hedyotis degeneri* on Oahu. Within this unit, currently known primary constituent elements of critical habitat are the habitat components provided by:

(1) Ridge crests in diverse mesic forest containing one or more of the following associated native plant species: *Styphelia tameiameiae*, *Dicranopteris linearis*, *Wikstroemia oahuensis*,

*Dodonaea viscosa*, *Alyxia oliviformis*, *Diospyros sandwicensis*, *Psychotria hathewayi*, *Cocculus* sp., *Lysimachia hillebrandii*, *Chamaesyce multififormis*, *Lobelia yuccoides*, *Gahnia* sp., *Pleomele* sp., *Carex meyenii*, *Psydrax odorata*, *Metrosideros polymorpha*, or *Hedyotis terminalis*; and

(2) Elevations between 349 and 1,083 m (1,145 and 3,552 ft).

**Family Rubiaceae: *Hedyotis parvula* (NCN)**

Oahu A and I, identified in the legal descriptions in (a)(1)(i)(I), constitute critical habitat for *Hedyotis parvula* on Oahu. Within these units, currently known primary constituent elements of critical habitat are the habitat components provided by:

(1) Cliff faces or their bases, rock outcrops, or ledges in mesic habitat containing one or more of the following associated native plant species: *Eragrostis* sp., *Carex* sp., *Rumex* sp., *Metrosideros polymorpha*, *Chamaesyce* sp., *Bidens* sp., *Dodonaea viscosa*, *Psydrax odorata*, *Metrosideros tremuloides*, or *Plectranthus parviflorus*; and

(2) Elevations between 331 and 1,160 m (1,086 and 3,805 ft).

**Family Rutaceae: *Melicope lydgatei* (alani)**

Oahu L, identified in the legal description in (a)(1)(i)(I), constitutes critical habitat for *Melicope lydgatei* on Oahu. Within this unit, currently known primary constituent elements of critical habitat are the habitat components provided by:

(1) Ridges in mesic or wet forests containing one or more of the following associated native plant species: *Acacia koa*, *Metrosideros polymorpha*, *Dicranopteris linearis*, *Psychotria* sp., *Syzygium sandwicensis*, or *Bobea elatior*; and

(2) Elevations between 349 and 671 m (1,145 and 2,201 ft).

**Family Rutaceae: *Melicope pallida* (alani)**

Oahu A and I, identified in the legal descriptions in (a)(1)(i)(I), constitute critical habitat for *Melicope pallida* on Oahu. Within these units, currently known primary constituent elements of critical habitat are the habitat components provided by:

(1) Steep rock faces in lowland dry or mesic forests containing one or more of the following associated native plant species: *Psychotria mariniana*, *Bobea elatior*, *Acacia koa*, *Cibotium* sp., *Wikstroemia oahuensis*, *Syzygium sandwicensis*, *Abutilon sandwicense*, *Alyxia oliviformis*, *Dryopteris* sp.,

*Metrosideros polymorpha*, *Pipturus albidus*, *Sapindus oahuensis*, *Tetraplasandra* sp., or *Xylosma hawaiiense*; and

(2) Elevations between 234 to 841 m (768 to 2,758 ft).

**Family Rutaceae: *Melicope saint-johnii* (alani)**

Oahu I, identified in the legal description in (a)(1)(i)(I), constitutes critical habitat for *Melicope saint-johnii* on Oahu. Within this unit, currently known primary constituent elements of critical habitat are the habitat components provided by:

(1) Ridges or gulch bottoms in mesic forest containing one or more of the following associated native plant species: *Artemisia australis*, *Eragrostis* sp., *Hedyotis schlechtendahlia*, *Lysimachia hillebrandii*, *Bidens torta*, *Alyxia oliviformis*, *Carex wahuensis*, *Panicum beechyi*, *Rumex albescens*, *Pittosporum* sp., *Pleomele halapepe*, *Pipturus albidus*, *Metrosideros polymorpha*, *Coprosma longifolia*, *Labordia kaalae*, or *Psychotria hathewayi*; and

(2) Elevations between 240 and 953 m (787 and 3,126 ft).

**Family Sapindaceae: *Alectryon macrococcus* (mahoe)**

Oahu A and I, identified in the legal descriptions in (a)(1)(i)(I), constitute critical habitat for *Alectryon macrococcus* on Oahu. Within these units, currently known primary constituent elements of critical habitat are the habitat components provided by:

(1) Slopes, ridges, or gulches within mesic lowland forests containing one or more of the following associated native plant species: *Pisonia sandwicensis*, *Elaeocarpus bifidus*, *Streblus pendulinus*, *Psychotria hathewayi*, *Pouteria sandwicensis*, *Pisonia umbellifera*, *Diplazium sandwichianum*, *Claoxylon sandwicense*, *Neraudia* sp., *Pipturus albidus*, *Diospyros hillebrandii*, *Charpentiera* sp., *Hibiscus arnotianus*, *Metrosideros polymorpha*, *Diospyros sandwicensis*, *Nestegis sandwicensis*, *Pisonia* sp., *Xylosma* sp., *Antidesma platyphyllum*, *Myrsine lanaiensis*, *Psydrax odorata*, *Canavalia* sp., or *Alyxia oliviformis*; and

(2) Elevations between 367 and 941 m (1,204 and 3,086 ft).

**Family Solanaceae: *Solanum sandwicense* (aiakeakua, popolo)**

Oahu A, I, and L, identified in the legal descriptions in (a)(1)(i)(I), constitute critical habitat for *Solanum sandwicense* on Oahu. Within these units, currently known primary

constituent elements of critical habitat are the habitat components provided by:

(1) Talus slopes or streambeds in open, sunny areas containing one or more of the following associated native plant species: *Pisonia* sp. or *Psychotria* sp.; and

(2) Elevations between 131 and 1,006 m (430 and 3,300 ft).

**Family Urticaceae: *Neraudia angulata* (NCN)**

Oahu A and I, identified in the legal descriptions in (a)(1)(i)(I), constitute critical habitat for *Neraudia angulata* var. *angulata* on Oahu. Within these units, currently known primary constituent elements of critical habitat are the habitat components provided by:

(1) Slopes, ledges, or gulches in lowland mesic or dry forest containing one or more of the following associated native plant species: *Diospyros* sp., *Dodonaea viscosa*, *Bidens* sp., *Artemisia australis*, *Sida fallax*, *Carex meyenii*, *Psydrax odorata*, *Hibiscus* sp., *Pisonia sandwicensis*, or *Nestegis sandwicensis*; and

(2) Elevations between 189 and 978 m (620 and 3,208 ft).

Oahu A, B, D, and I, identified in the legal descriptions in (a)(1)(i)(I), constitute critical habitat for *Neraudia angulata* var. *dentata* on Oahu. Within these units, currently known primary constituent elements of critical habitat are the habitat components provided by:

(1) Cliffs, rock embankments, gulches, or slopes in mesic or dry forests containing one or more of the following associated native plant species: *Diospyros sandwicensis*, *Diospyros hillebrandii*, *Dodonaea viscosa*, *Artemisia australis*, *Alyxia oliviformis*, *Sapindus oahuensis*, *Psydrax odorata*, *Pisonia* sp., *Antidesma pulvinatum*, *Nestegis sandwicensis*, *Myrsine lanaiensis*, *Hibiscus* sp., *Metrosideros polymorpha*, *Bidens torta*, *Canavalia* sp., *Rauwolfia sandwicensis*, *Carex* sp., *Charpentiera* sp., *Sida fallax*, *Streblus pendulinus*, or *Eragrostis* sp.; and

(2) Elevations between 110 and 978 m (361 and 3,208 ft).

**Family Urticaceae: *Urera kaalae* (opuhe)**

Oahu A and I, identified in the legal descriptions in (a)(1)(i)(I), constitute critical habitat for *Urera kaalae* on Oahu. Within these units, currently known primary constituent elements of critical habitat are the habitat components provided by:

(1) Slopes or gulches in diverse mesic forest containing one or more of the following associated native plant species: *Hibiscus* sp., *Alyxia oliviformis*, *Canavalia* sp., *Charpentiera* sp., *Senna*

*gaudichaudii*, *Claoxylon sandwicense*, *Pleomele* sp., *Xylosma hawaiiense*, *Chamaesyce* sp., *Antidesma platyphyllum*, *Athyrium* sp., *Streblus pendulinus*, *Hedyotis acuminata*, *Asplenium kaulfusii*, *Doryopteris* sp., *Pouteria sandwicensis*, *Claoxylon sandwicense*, *Freycinetia arborea*, *Pipturus albidus*, *Urera glabra*, *Psychotria* sp., *Diospyros hillebrandii*, or *Nestegis sandwicensis*; and

(2) Elevations between 439 and 1074 m (1,440 and 3,523 ft).

**Family Violaceae: *Isodendron laurifolium* (aupaka)**

Oahu A and L, identified in the legal descriptions in (a)(1)(i)(I), constitute critical habitat for *Isodendron laurifolium* on Oahu. Within these units, currently known primary constituent elements of critical habitat are the habitat components provided by:

(1) Gulch slopes, ravines, or ridges in diverse mesic or dry forest dominated by *Metrosideros polymorpha*, *Acacia koa*, *Eugenia reinwardtiana*, or *Diospyros sandwicensis* containing one or more of the following associated native plant species: *Nestegis sandwicensis*, *Hibiscus arnottianus*, *Alyxia oliviformis*, *Rauvolfia sandwicensis*, *Psydrax odorata*, *Carex wahuensis*, *Charpentiera tomentosa*, *Doodia* sp., *Dryopteris unidentata*, *Sapindus* sp., *Antidesma pulvinatum*, *Smilax melastomifolia*, *Antidesma platyphyllum*, *Xylosma hawaiiense*, *Hedyotis terminalis*, *Pisonia* sp., or *Pouteria sandwicensis*; and

(2) Elevations between 90 and 959 m (295 and 3,146 ft).

**Family Violaceae: *Isodendron longifolium* (aupaka)**

Oahu A and L, identified in the legal descriptions in (a)(1)(i)(I), constitute critical habitat for *Isodendron longifolium* on Oahu. Within these units, currently known primary constituent elements of critical habitat are the habitat components provided by:

(1) Steep slopes or stream banks in mixed mesic or lowland wet *Metrosideros polymorpha-Dicranopteris linearis* forest containing one or more of the following associated native plant species: *Syzygium sandwicensis*, *Pouteria sandwicensis*, *Acacia koa*, *Psydrax odoratum*, *Alyxia oliviformis*, *Melicope* sp., *Pittosporum* sp., *Carex* sp., *Selaginella arbuscula*, *Isachne pallens*, *Bobea brevipes*, *Antidesma* sp., *Cyanea* sp., *Cyrtandra* sp., *Hedyotis terminalis*, *Peperomia* sp., *Perrottetia sandwicensis*, or *Psychotria* sp.; and

(2) Elevations between 363 and 964 m (1,191 and 3,162 ft).

**Family Violaceae: *Isodendron pyrifolium* (wahine noho kula)**

Oahu A, B, D, F, I, and P, identified in the legal descriptions in (a)(1)(i)(I), constitutes critical habitat for *Isodendron pyrifolium* on Oahu. Within these units, currently known primary constituent elements of critical habitat are the habitat components provided by:

(1) Bare rocky hills or wooded ravines in dry shrublands from 363 to 964 m (1,191 to 3,162 ft.).

**Family Violaceae: *Viola chamissoniana* ssp. *chamissoniana* (olopu)**

Oahu A, G, and I, identified in the legal descriptions in (a)(1)(i)(I), constitute critical habitat for *Viola chamissoniana* ssp. *chamissoniana* on Oahu. Within these units, currently known primary constituent elements of critical habitat are the habitat components provided by:

(1) Dry cliffs, rocky ledges, or steep slopes in mesic shrubland or cliff vegetation containing one or more of the following associated native plant species: *Sida fallax*, *Chamaesyce* sp., *Dodonaea viscosa*, *Schiedea* sp., *Dubautia* sp., *Peperomia* sp., *Lipochaeta tenuis*, *Rumex* sp., *Artemisia australis*, *Bidens torta*, *Carex meyenii*, *Eragrostis* sp., *Metrosideros polymorpha*, or *Styphelia tameiameia*; and

(2) Elevations between 414 and 1,149 m (1,358 and 3,769 ft).

**Family Violaceae: *Viola oahuensis* (NCN)**

Oahu L, identified in the legal description in (a)(1)(i)(I), constitutes critical habitat for *Viola oahuensis* on Oahu. Within this unit, currently known primary constituent elements of critical habitat are the habitat components provided by:

(1) Exposed, windswept ridges of moderate to steep slope in wet *Metrosideros polymorpha-Dicranopteris linearis* shrublands or *Metrosideros polymorpha* mixed montane bogs in the cloud zone containing one or more of the following associated native plant species: *Broussaisia arguta*, *Cibotium* sp., *Labordia* sp., *Dubautia laxa*, *Wikstroemia* sp., *Hedyotis terminalis*, *Antidesma* sp., *Syzygium sandwicensis*, *Melicope* sp., *Bidens macrocarpa*, *Machaerina* sp., *Sadleria* sp., or *Vaccinium* sp.; and

(2) Elevations between 415 and 959 m (1,361 and 3,146 ft).

(B) Ferns and Allies.

**Family Adiantaceae: *Pteris lidgatei* (NCN)**

Oahu L, identified in the legal description in (a)(1)(i)(I), constitutes critical habitat for *Pteris lidgatei* on

Oahu. Within this unit, currently known primary constituent elements of critical habitat are the habitat components provided by:

(1) Steep stream banks or cliffs in wet *Metrosideros polymorpha-Dicranopteris linearis* forest containing one or more of the following associated native plant species: *Cyrtandra* sp., *Machaerina angustifolia*, *Selaginella arbuscula*, *Isachne pallens*, *Thelypteris sandwicensis*, *Diploterium pinnatum*, *Sadleria* sp., *Broussaisia arguta*, *Cibotium chamissoi*, *Dicranopteris linearis*, *Elaphoglossum crassifolium*, *Sadleria squarrosa*, *Asplenium* sp., *Doodia lyonii*, or *Sphenomeris chusana*; and

(2) Elevations around 75 m (246 ft).

**Family Aspleniaceae: *Ctenitis squamigera* (pauoa)**

Oahu A, identified in the legal description in (a)(1)(i)(I), constitutes critical habitat for *Ctenitis squamigera* on Oahu. Within this unit, currently known primary constituent elements of critical habitat are the habitat components provided by:

(1) Gentle to steep slopes in *Metrosideros polymorpha-Diospyros sandwicensis* mesic forest or diverse mesic forest containing one or more of the following associated native plant species: *Alyxia oliviformis*, *Hibiscus* sp., *Diospyros hillebrandii*, *Nestegis sandwicensis*, *Psydrax odorata*, *Pouteria sandwicensis*, *Carex meyenii*, *Dodonaea viscosa*, *Freycinetia arborea*, *Pisonia* sp., *Dryopteris unidentata*, *Doodia kunthiana*, *Myrsine* sp., *Psychotria* sp., or *Xylosma* sp.; and

(2) Elevations between 387 to 923 m (1,269 to 3,027 ft).

**Family Aspleniaceae: *Diellia erecta* (NCN)**

Oahu L, identified in the legal description in (a)(1)(i)(I), constitutes critical habitat for *Diellia erecta* on Oahu. Within this unit, currently known primary constituent elements of critical habitat are the habitat components provided by:

(1) Moderate to steep gulch slopes or sparsely vegetated rock faces in mesic forest containing one or more of the following associated native plant species: *Sapindus oahuensis*, *Psydrax odorata*, *Coprosma* sp., *Dodonaea viscosa*, *Dryopteris unidentata*, *Myrsine* sp., *Psychotria* sp., *Syzygium sandwicensis*, or *Wikstroemia* sp.; and

(2) Elevations between 118 and 550 m (387 and 1,804 ft).

*Family Aspleniaceae: Diellia falcata*  
(NCN)

Oahu A and I, identified in the legal descriptions in (a)(1)(i)(I), constitutes critical habitat for *Diellia falcata* on Oahu. Within these units, currently known primary constituent elements of critical habitat are the habitat components provided by:

(1) Deep shade or open understory on moderate to moderately steep slopes and gulch bottoms in diverse mesic forest containing one or more of the following associated native plant species: *Pisonia sandwicensis*, *Doodia kunthiana*, *Dryopteris unidentata*, *Antidesma* sp., *Nestegis sandwicensis*, *Alyxia oliviformis*, *Psydrax odorata*, *Pipturis* sp., *Metrosideros polymorpha*, *Freycinetia arborea*, *Athyrium sandwichianum*, *Dryopteris unidentata*, *Nephrolepis exaltata*, *Diospyros hillebrandii*, *Acacia koa*, *Elaeocarpus bifidus*, *Myrsine lanaiensis*, *Selaginella arbuscula*, *Carex meyenii*, *Sophora chrysophylla*, *Claoxylon sandwicense*, *Psychotria* sp., *Hibiscus* sp., *Xylosma* sp., *Melicope* sp., *Coprosma foliosa*, *Asplenium kaulfussii*, *Nothocestrum* sp., *Charpentiera* sp., *Hedyotis terminalis*, *Sapindus oahuensis*, *Diospyros sandwicensis*, or *Pouteria sandwicensis*; and

(2) Elevations between 224 and 953 m (735 and 3,126 ft).

*Family Aspleniaceae: Diellia unisora*  
(NCN)

Oahu I, identified in the legal description in (a)(1)(i)(I), constitutes critical habitat for *Diellia unisora* on Oahu. Within this unit, currently known primary constituent elements of critical habitat are the habitat components provided by:

(1) Moderate to steep slopes or gulch bottoms in deep shade or open

understory in mesic forest containing one or more of the following associated native plant species: *Coprosma* sp., *Rumex* sp., *Antidesma* sp., *Psychotria* sp., *Carex meyenii*, *Dryopteris unidentata*, *Chamaesyce multiformis*, *Dodonaea viscosa*, *Bidens torta*, *Eragrostis grandis*, *Hedyotis terminalis*, *Alyxia oliviformis*, *Myrsine lessertiana*, *Hedyotis schlechtendahlana*, *Selaginella arbuscula*, *Acacia koa*, or *Metrosideros polymorpha*; and

(2) Elevations between 382 and 953 m (1,253 and 3,126 ft).

*Family Aspleniaceae: Diplazium molokaiense* (NCN)

Oahu A, identified in the legal description in (a)(1)(i)(I), constitutes critical habitat for *Diplazium molokaiense* on Oahu. Within this unit, currently known primary constituent elements of critical habitat are the habitat components provided by:

(1) Steep rocky wooded gulch walls in wet forests; and

(2) Elevations around 450 m (1,476 ft).

*Family Grammitidaceae: Adenophorus periens* (pendant kihi fern)

Oahu L, identified in the legal description in (a)(1)(i)(I), constitutes critical habitat for *Adenophorus periens* on Oahu. Within this unit, currently known primary constituent elements of critical habitat are the habitat components provided by:

(1) Trees in *Metrosideros polymorpha* or *Metrosideros rugosa* wet forests containing one or more of the following associated native plant species: *Dicranopteris linearis*, *Cheirodendron* spp., *Machaerina angustifolia*, *Syzygium sandwicensis*, *Hedyotis terminalis*, or *Cibotium* sp.; and

(2) Elevations between 618 to 1,202 m (2,027 to 3,943 ft).

*Family Lycopodiaceae: Phlegmariurus nutans* (wawaeiole)

Oahu L, identified in the legal description in (a)(1)(i)(I), constitutes critical habitat for *Phlegmariurus nutans* on Oahu. Within this unit, currently known primary constituent elements of critical habitat are the habitat components provided by:

(1) Tree trunks, open ridges, forested slopes, or cliffs in *Metrosideros polymorpha* dominated wet forests, cliffs, or shrublands or mesic forests containing one or more of the following associated native plant species:

*Machaerina angustifolia*, *Wikstroemia oahuensis*, *Antidesma platyphyllum*, *Syzygium sandwicensis*, *Elaphoglossum* sp., *Hibiscus* sp., *Psychotria mariniana*, *Cyrtandra laxiflora*, *Hedyotis terminalis*, *Broussaisia arguta*, or *Dicranopteris linearis*; and

(2) Elevations between 227 and 846 m (745 and 2,775).

*Family Marsileaceae: Marsilea villosa*  
(ihi ihi)

Oahu J, K, W, and X, identified in the legal description in (a)(1)(i)(I), constitutes critical habitat for *Marsilea villosa* on Oahu. Within these units, currently known primary constituent elements of critical habitat are the habitat components provided by:

(1) Cinder craters, vernal pools surrounded by lowland dry forest vegetation, mud flats, or lowland grasslands containing *Sida fallax*; and

(2) Elevations between 424 and 1,032 m (1,391 and 3,385 ft).

Dated: May 2, 2002.

**Craig Manson,**

*Assistant Secretary for Fish and Wildlife and Parks.*

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