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(VIII) PROTECTED SPECIES WITHIN EACH CRITICAL HABITAT UNIT FOR LANAI—Continued

Unit name	Species occupied	Species unoccupied
Lanai 2—*Bidens micrantha* ssp. *kalealaha*—North.	.....	*Bidens micrantha* ssp. *kalealaha.*
Lanai 3—*Bidens micrantha* ssp. *kalealaha*—Middle.	*Bidens micrantha* ssp. *kalealaha.*	
Lanai 4—*Bidens micrantha* ssp. *kalealaha*—South.	.....	*Bidens micrantha* ssp. *kalealaha.*
Lanai 5—*Portulaca sclerocarpa*—Coast	.....	*Portulaca sclerocarpa.*
Lanai 6—*Portulaca sclerocarpa*—Isle	*Portulaca sclerocarpa.*	

(2) *Hawaiian plants—Constituent elements; Flowering plants.*

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

Lanai 2—*Bidens micrantha* ssp. *kalealaha*—North, Lanai 3—*Bidens micrantha* ssp. *kalealaha*—Middle, and Lanai 4—*Bidens micrantha* ssp. *kalealaha*—South, identified in the legal descriptions in (b)(1)(iii), (b)(1)(iv), and (b)(1)(v) of this section, constitute critical habitat for *Bidens micrantha* ssp. *kalealaha* on Lanai. Within these units, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

(i) Gulch slopes in dry *Dodonaea viscosa* shrubland; and

(ii) Elevations between 409 and 691 m (1,342 and 2,267 ft).

Family Asteraceae: ***Tetramolopium remyi*** (NCN)

Lanai 1—*Tetramolopium remyi*, identified in the legal descriptions in (b)(1)(ii) of this section, constitutes critical habitat for *Tetramolopium remyi* on Lanai. Within this unit, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

(i) Red, sandy, loam soil in dry *Dodonaea viscosa-Heteropogon contortus* communities with one or more of the following associated native species: *Bidens mauiensis*, *Waltheria indica*, *Wikstroemia oahuensis*, or *Melanthera lavarum;* and

(ii) Elevations between 90 and 481 m (295 and 1,578 ft).

Family Portulacaceae: ***Portulaca sclerocarpa*** (poe)

Lanai 5—*Portulaca sclerocarpa*—Coast and Lanai 6—*Portulaca sclerocarpa*—Isle, identified in the legal descriptions in (b)(1)(vi) and (b)(1)(vii) of this section, constitute critical habitat for *Portulaca sclerocarpa* on Lanai. Within these units, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

(i) Exposed ledges in thin soil in coastal communities; and

(ii) Elevations between 0 and 30 m (0 and 98 ft).

[43 FR 39043, Aug. 31, 1978]

EDITORIAL NOTE: For FEDERAL REGISTER citations affecting §17.96, see the List of CFR Sections Affected, which appears in the Finding Aids section of the printed volume and on GPO Access.

§ 17.97 [Reserved]

§ 17.99 Critical habitat; plants on the islands of Kauai, Niihau, Molokai, Maui, Kahoolawe, Oahu, and Hawaii, HI, and on the Northwestern Hawaiian Islands.

(a) *Maps and critical habitat unit descriptions for the islands of Kauai and Niihau, HI.* The following paragraphs contain the legal descriptions of the critical habitat units designated for the Hawaiian Islands of Kauai and Niihau. Existing manmade features and structures within the boundaries of the mapped areas, such as buildings; roads; aqueducts and other water system features, including but not limited to pumping stations, irrigation ditches, pipelines, siphons, tunnels, water tanks, gaging stations, intakes, reservoirs, diversions, flumes, and wells; existing trails; campgrounds and their immediate surrounding landscaped area; scenic lookouts; remote helicopter landing sites; existing fences; telecommunications equipment towers and associated structures and equipment; electrical power transmission lines and distribution, and communication facilities and regularly maintained associated rights-of-way and access ways; radars, telemetry antennas; missile launch sites; arboreta and gardens; heiau (indigenous places of worship or shrines), and other archaeological sites; airports; other paved

areas; and lawns and other rural residential landscaped areas do not contain one or more of the primary constituent elements described for each species in paragraph (b) of this section and therefore are not included in the critical habitat designations.

(1) *Kauai.* Critical habitat units are described below. Coordinates are in UTM Zone 4 with units in meters using North American Datum of 1983 (NAD83). The following map shows the general locations of the critical habitat units designated on the island of Kauai.

(i) *Note*: Map 1—Index map follows:

Map 1
Kauai and Niihau Critical Habitat–Island Index Map

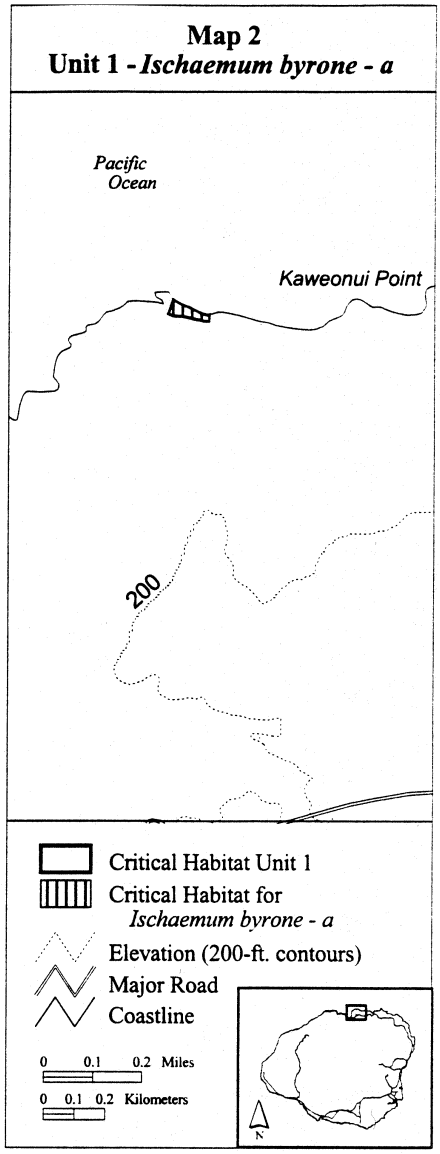


(ii) Kauai 1—*Ischaemum byrone*—a (1 ha; .4 ac)

(A) Unit consists of the following 9 boundary points: coastline; 449995, 2458285; 449999, 2458293; 450118, 2458243;

450116, 2458221; 450104, 2458221; 450032, 2458238; 449997, 2458240; 449981, 2458248; 449991, 2458273; coastline.

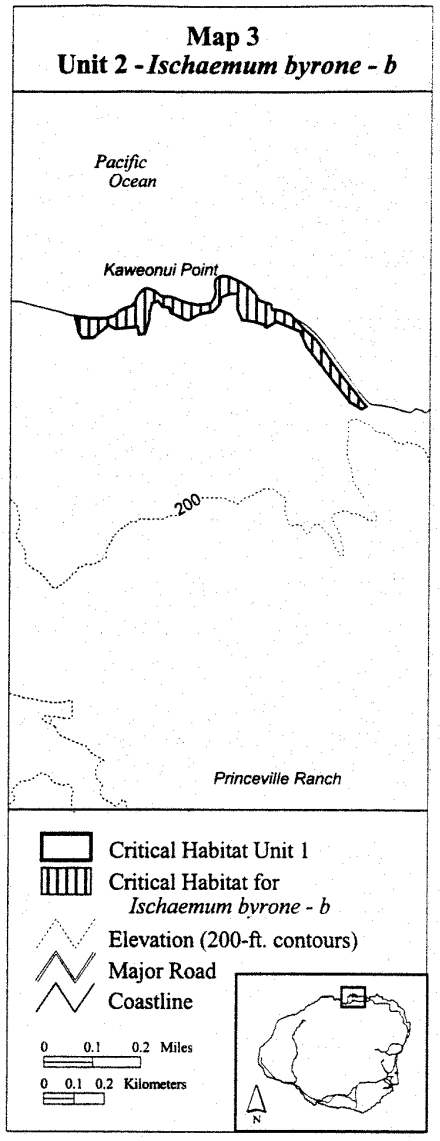
(B) NOTE: Map 2 follows:



(iii) Kauai 2—*Ischaemum byrone*—b (6 ha; 14 ac)

(A) Unit consists of the following 59 boundary points: coastline; 451087, 2458201; 451120, 2458166; 451162, 2458127; 451246, 2458013; 451331, 2457904; 451317, 2457895; 451278, 2457919; 451277, 2457919; 451276, 2457920; 451190, 2458029; 451190, 2458032; 451175, 2458047; 451132, 2458101; 451110, 2458153; 451031, 2458185; 450999, 2458165; 450996, 2458166; 450987, 2458176; 450954, 2458185; 450916, 2458191; 450905, 2458216; 450900, 2458226; 450901, 2458242; 450902, 2458273; 450902, 2458273; 450902, 2458278; 450871, 2458277; 450848, 2458265; 450843, 2458242; 450818, 2458217; 450778, 2458211; 450737, 2458190; 450725, 2458194; 450679, 2458215; 450677, 2458215; 450673, 2458233; 450650, 2458236; 450636, 2458255; 450615, 2458247; 450612, 2458223; 450607, 2458222; 450607, 2458191; 450606, 2458185; 450592, 2458144; 450574, 2458143; 450568, 2458168; 450568, 2458168; 450568, 2458168; 450495, 2458159; 450472, 2458173; 450420, 2458129; 450420, 2458129; 450383, 2458129; 450372, 2458147; 450366, 2458173; 450361, 2458197; 450360, 2458202; 450361, 2458202; 451076, 2458209; coastline.

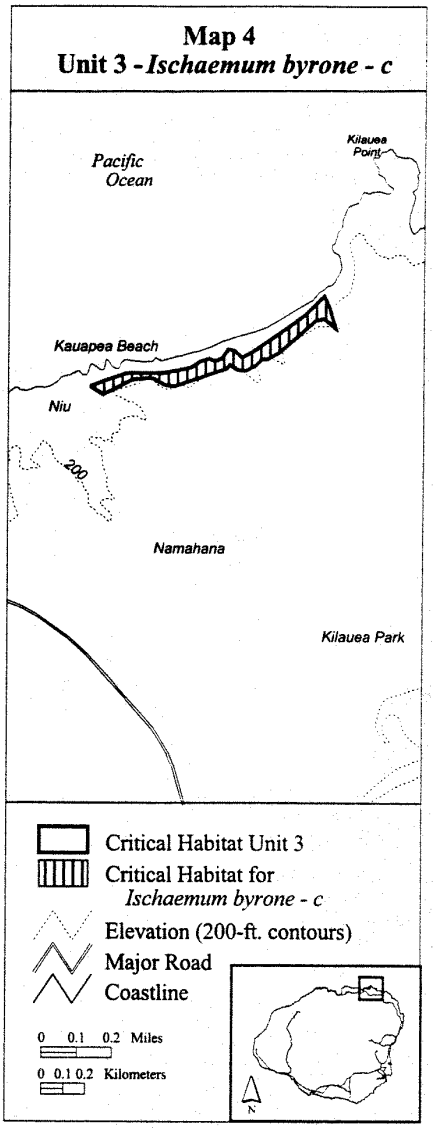
(B) NOTE: Map 3 follows:



(iv) Kauai 3—*Ischaemum byrone*—c (7 ha; 17 ac)

(A) Unit consists of the following 51 boundary points: Start at 457168, 2457531; 457235, 2457554; 457342, 2457591; 457377, 2457591; 457421, 2457591; 457469, 2457591; 457503, 2457591; 457556, 2457600; 457625, 2457613; 457631, 2457617; 457674, 2457645; 457713, 2457657; 457739, 2457648; 457747, 2457650; 457754, 2457649; 457758, 2457653; 457769, 2457656; 457794, 2457692; 457801, 2457700; 457830, 2457691; 457865, 2457661; 457891, 2457678; 457913, 2457687; 457961, 2457722; 458074, 2457800; 458157, 2457861; 458240, 2457943; 458266, 2457887; 458291, 2457796; 458241, 2457839; 458199, 2457830; 458122, 2457761; 458032, 2457682; 457981, 2457654; 457958, 2457654; 457926, 2457624; 457883, 2457600; 457851, 2457604; 457835, 2457612; 457808, 2457629; 457794, 2457610; 457555, 2457530; 457515, 2457534; 457459, 2457567; 457441, 2457569; 457364, 2457561; 457364, 2457561; 457364, 2457561; 457329, 2457544; 457327, 2457542; 457230, 2457492; return to starting point.

(B) NOTE: Map 4 follows:

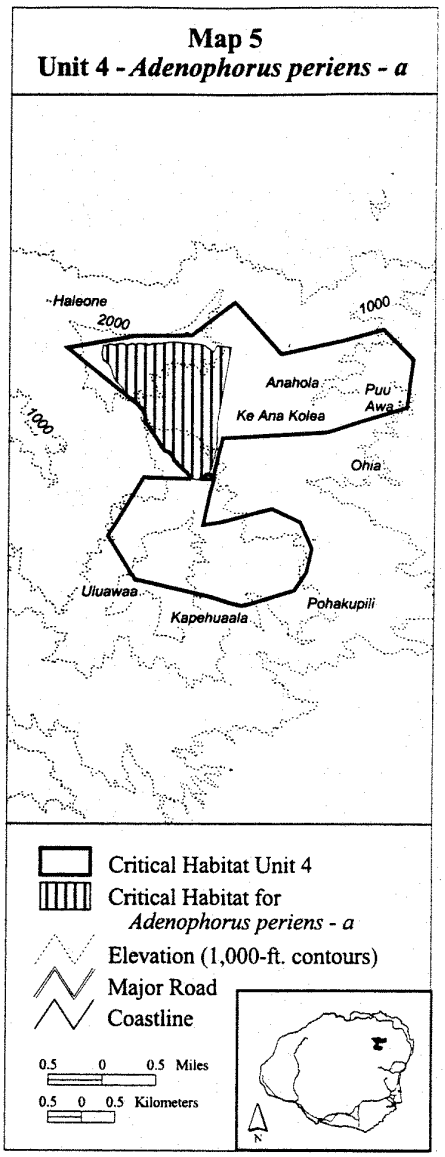


(v) Kauai 4—*Adenophorus periens*—a (237 ha; 585 ac)

(A) Unit consists of the following 183 boundary points: Start at 457883, 2449413; 457917, 2449393; 457954, 2449369; 458004, 2449331; 458025, 2449313; 458037, 2449307; 458058, 2449301; 458098, 2449392; 458308, 2449371; 458105, 2448250; 458095, 2447849; 458085, 2447839; 458077, 2447822; 458073, 2447793; 458073, 2447739; 458057, 2447694; 458046, 2447671; 458033, 2447617; 458027, 2447575; 458026, 2447556; 458023, 2447548; 458009, 2447525; 457998, 2447517; 457979, 2447491; 457946, 2447469; 457927, 2447446; 457899, 2447424; 457864, 2447408; 457850, 2447402; 457830, 2447399; 457801, 2447389; 457689, 2447425; 457690, 2447445; 457684, 2447466; 457667, 2447490; 457653, 2447503; 457639, 2447513; 457604, 2447540; 457587, 2447559; 457545, 2447595; 457538, 2447604; 457528, 2447615; 457505, 2447643; 457502, 2447650; 457473, 2447678; 457457, 2447706; 457446, 2447731; 457399, 2447802; 457389, 2447810; 457328, 2447832; 457310, 2447844; 457297, 2447860; 457274, 2447898; 457234, 2447967; 457193, 2448027; 457148, 2448093; 457124, 2448122; 457112, 2448143; 457089, 2448187; 457076, 2448209; 457048, 2448243; 457032, 2448261; 457029, 2448269; 457028, 2448278; 457031, 2448299; 457032, 2448323; 457031, 2448342; 457028, 2448361; 457016, 2448395; 457005, 2448416; 457002, 2448438; 456998, 2448448; 456991, 2448459; 456973, 2448474; 456957, 2448488; 456943, 2448512; 456930, 2448544; 456916, 2448568; 456896, 2448595; 456883, 2448609; 456870, 2448619; 456856, 2448627; 456832, 2448632; 456801, 2448644; 456771, 2448662; 456748, 2448682; 456733, 2448698; 456713, 2448726; 456697, 2448759; 456679, 2448787; 456671, 2448799; 456652, 2448821; 456635, 2448836; 456615, 2448849; 456596, 2448859; 456583, 2448874; 456572, 2448891; 456563, 2448911; 456551, 2448951; 456541, 2448985; 456535, 2449004; 456530, 2449029; 456526, 2449045; 456516, 2449067; 456504, 2449086; 456491, 2449106; 456476, 2449128; 456462, 2449139; 456446, 2449150; 456435, 2449153; 456419, 2449170; 456404, 2449186; 456395, 2449205; 456387, 2449236; 456386, 2449264; 456390, 2449313; 456395, 2449355; 456394, 2449367; 456394, 2449381; 456397, 2449394; 456401, 2449399; 456407, 2449399; 456420, 2449397; 456439, 2449398; 456457, 2449404; 456483, 2449414; 456501, 2449416; 456513, 2449416; 456533, 2449412; 456569, 2449406; 456586, 2449405; 456603, 2449410; 456620, 2449418; 456633, 2449423; 456647, 2449426; 456662, 2449428; 456681, 2449425; 456706, 2449417; 456733, 2449409; 456752, 2449403; 456769, 2449404; 456787, 2449409; 456807, 2449421; 456818, 2449430; 456826, 2449432; 456836, 2449428; 456852, 2449419; 456862, 2449411; 456869, 2449407; 456878, 2449407; 456889, 2449412; 456910, 2449422; 456924, 2449429; 456941, 2449429; 456969, 2449426; 456991, 2449421; 457000, 2449421; 457034, 2449425; 457042, 2449425; 457049, 2449422; 457064, 2449414; 457073, 2449409; 457083, 2449408; 457097, 2449407; 457107, 2449413; 457123,

2449423; 457132, 2449429; 457141, 2449431; 457168, 2449428; 457205, 2449431; 457229, 2449432; 457255, 2449429; 457276, 2449429; 457289, 2449431; 457300, 2449437; 457307, 2449440; 457314, 2449440; 457325, 2449437; 457352, 2449440; 457363, 2449443; 457395, 2449451; 457417, 2449451; 457451, 2449456; return to starting point.

(B) NOTE: Map 5 follows:



(vi) Kauai 4–*Chamaesyce remyi* var. *kauaiensis*–a

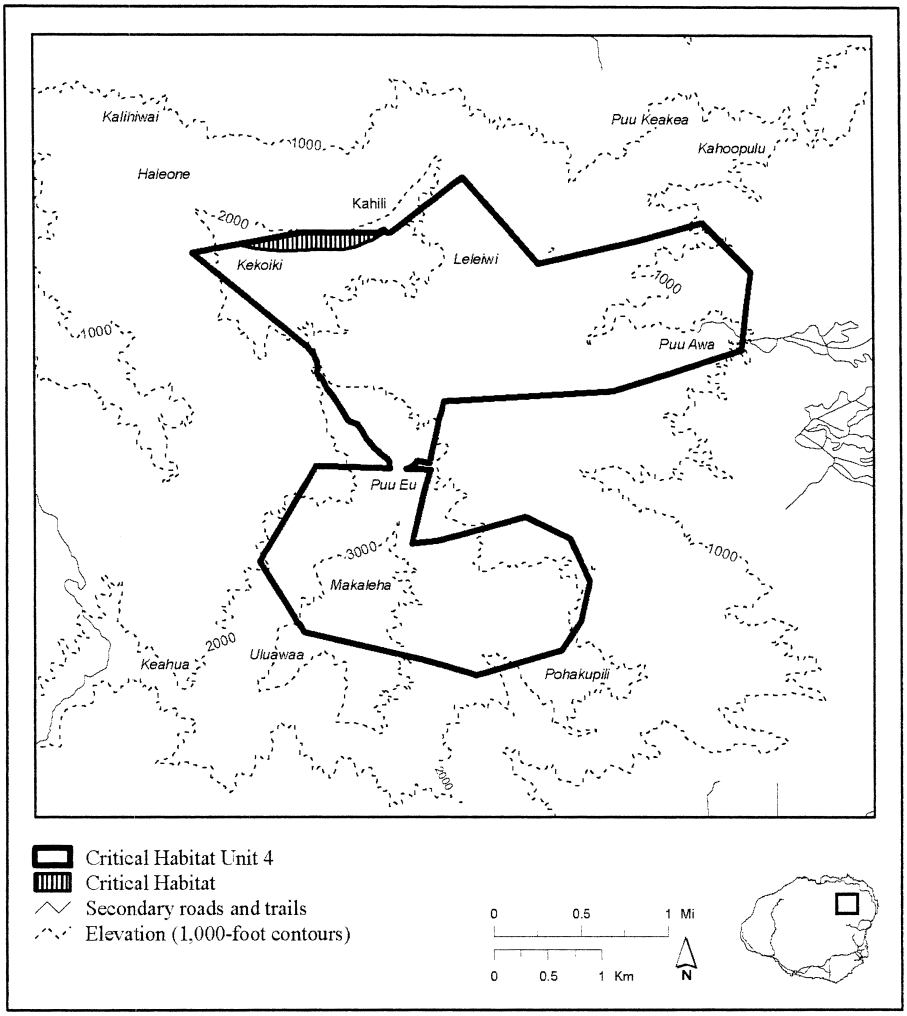
(A) This is a unit of the Wet Cliff ecosystem and consists of 38 ac (15.4 ha). This unit includes land bounded by the following UTM Zone 4, NAD 83 coordinates (E, N): 457610, 2449548; 457661, 2449558; 457661, 2449558; 457651, 2449568; 457646, 2449571; 457637, 2449567; 457631, 2449564; 457621, 2449558; 457618, 2449556; 457613, 2449551; 457611, 2449549; 457144, 2449549; 457144, 2449549; 456901, 2449549; 457285, 2449395; 457635, 2449536; 457541, 2449482; 457611, 2449549; 457388, 2449419; 456313, 2449442; 457278, 2449394; 457141, 2449391; 456345, 2449426; 456848, 2449384; 456731, 2449379; 456589, 2449387; 456467, 2449400; 456999, 2449392; 457474, 2449457. This unit is also critical habitat for Kauai 4–*Chamaesyce remyi* var. *remyi*–a, Kauai 4–*Cyanea dolichopoda*–a, Kauai 4–*Cyrtandra oenobarba*–a, Kauai 4–*Cyrtandra paliku*–a, Kauai 4–*Dubautia plantaginea* ssp. *magnifolia*–a, Kauai 4–*Lysimachia iniki*–a, Kauai 4–*Lysimachia pendens*–a, Kauai 4– *Lysimachia venosa*–a, and Kauai 4–*Platydesma rostrata*–a (see paragraphs (a)(1)(vii), (a)(1)(ix), (a)(1)(xvi), (a)(1)(xvii), (a)(1)(xviii), (a)(1)(xxv), (a)(1)(xxvi), (a)(1)(xxvii), and (a)(1)(xxix), respectively, of this section).

(B) Note: Map 5a follows:

Map 5a

Kauai 4–*Chamaesyce remyi* var. *kauaiensis*–a, Kauai 4–*Chamaesyce remyi* var. *remyi*–a, Kauai 4–*Cyanea dolichopoda*–a, Kauai 4–*Cyrtandra oenobarba*–a, Kauai 4–*Cyrtandra paliku*–a, Kauai 4–*Dubautia plantaginea* ssp. *magnifolia*–a, Kauai 4–*Lysimachia iniki*–a, Kauai 4–*Lysimachia pendens*–a, Kauai 4–*Lysimachia venosa*–a,Kauai 4–*Platydesma rostrata*–a

Wet Cliff



(vii) Kauai 4–*Chamaesyce remyi* var. *remyi*–a

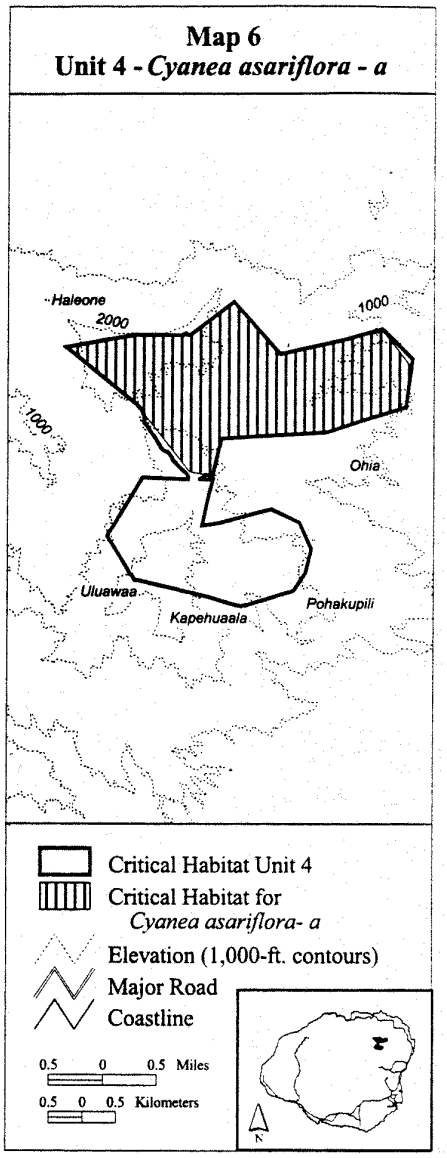
(A) See paragraph (a)(1)(vi)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(vi)(B) of this section for the map of this unit.

(viii) Kauai 4—*Cyanea asarifolia*—a (654 ha; 1,616 ac)

(A) Unit consists of the following 18 boundary points: Start at 455868, 2449362; 456901, 2449549; 457715, 2449548; 458372, 2450048; 459061, 2449266; 460595, 2449609; 460596, 2449609; 461002, 2449077; 460947, 2448554; 460939, 2448483; 460904, 2448472; 460823, 2448447; 460270, 2448273; 459750, 2448109; 458184, 2448016; 458059, 2447453; 457715, 2447516; 456932, 2448517; return to starting point.

(B) NOTE: Map 6 follows:



(ix) Kauai 4–*Cyanea dolichopoda*–a

(A) See paragraph (a)(1)(vi)(A) of this section for the textual description of this unit.

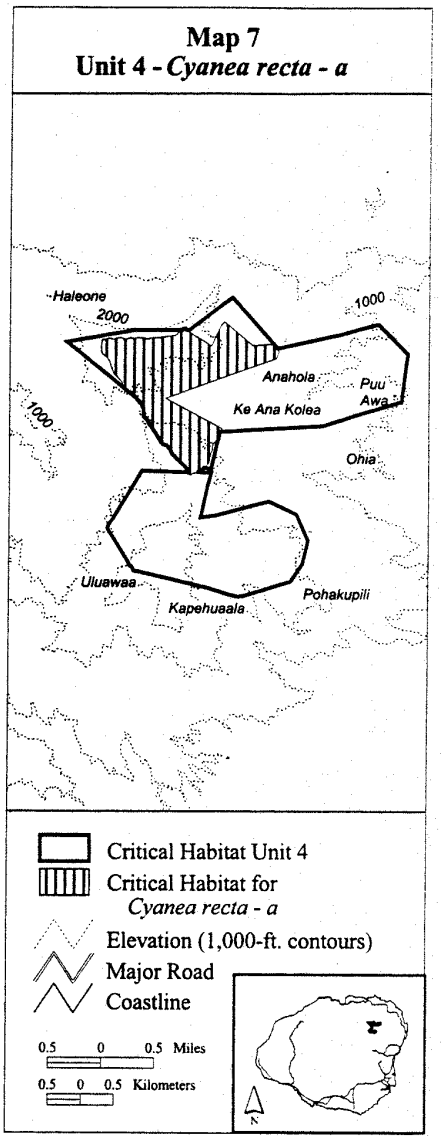
(B) See paragraph (a)(1)(vi)(B) of this section for the map of this unit.

(x) Kauai 4—*Cyanea recta*—a (252 ha; 622 ac)

(A) Unit consists of the following 217 boundary points: Start at 458254,

2449672; 458681, 2449311; 458976, 2449337; 459083, 2449224; 459041, 2449114; 458385, 2448885; 457368, 2448525; 458223, 2448067; 458204, 2448065; 458165, 2447893; 458096, 2447851; 458085, 2447839; 458077, 2447822; 458073, 2447793; 458073, 2447739; 458057, 2447694; 458046, 2447671; 458033, 2447617; 458027, 2447575; 458026, 2447556; 458023, 2447548; 458009, 2447525; 457998, 2447517; 457979, 2447491; 457946, 2447469; 457927, 2447446; 457899, 2447424; 457864, 2447408; 457850, 2447402; 457830, 2447399; 457797, 2447387; 457757, 2447362; 457741, 2447354; 457739, 2447359; 457725, 2447369; 457716, 2447375; 457694, 2447401; 457689, 2447425; 457690, 2447445; 457684, 2447466; 457667, 2447490; 457653, 2447503; 457639, 2447513; 457604, 2447540; 457587, 2447559; 457545, 2447595; 457538, 2447604; 457528, 2447615; 457505, 2447643; 457502, 2447650; 457473, 2447678; 457457, 2447706; 457446, 2447731; 457399, 2447802; 457389, 2447810; 457328, 2447832; 457310, 2447844; 457297, 2447860; 457274, 2447898; 457234, 2447967; 457193, 2448027; 457148, 2448093; 457124, 2448122; 457112, 2448143; 457089, 2448187; 457076, 2448209; 457048, 2448243; 457032, 2448261; 457029, 2448269; 457028, 2448278; 457031, 2448299; 457032, 2448323; 457031, 2448342; 457028, 2448361; 457016, 2448395; 457005, 2448416; 457002, 2448438; 456998, 2448448; 456991, 2448459; 456973, 2448474; 456957, 2448488; 456943, 2448512; 456930, 2448544; 456916, 2448568; 456896, 2448595; 456883, 2448609; 456870, 2448619; 456856, 2448627; 456832, 2448632; 456801, 2448644; 456771, 2448662; 456748, 2448682; 456733, 2448698; 456713, 2448726; 456697, 2448759; 456679, 2448787; 456671, 2448799; 456652, 2448821; 456635, 2448836; 456615, 2448849; 456596, 2448859; 456583, 2448874; 456572, 2448891; 456563, 2448911; 456551, 2448951; 456541, 2448985; 456535, 2449004; 456530, 2449029; 456526, 2449045; 456516, 2449067; 456504, 2449086; 456491, 2449106; 456476, 2449128; 456462, 2449139; 456446, 2449150; 456435, 2449153; 456419, 2449170; 456404, 2449186; 456395, 2449205; 456387, 2449236; 456386, 2449264; 456390, 2449313; 456395, 2449355; 456394, 2449367; 456394, 2449381; 456397, 2449394; 456401, 2449399; 456407, 2449399; 456420, 2449397; 456439, 2449398; 456457, 2449404; 456483, 2449414; 456501, 2449416; 456513, 2449416; 456533, 2449412; 456569, 2449406; 456586, 2449405; 456603, 2449410; 456620, 2449418; 456633, 2449423; 456647, 2449426; 456662, 2449428; 456681, 2449425; 456706, 2449417; 456733, 2449409; 456752, 2449403; 456769, 2449404; 456787, 2449409; 456807, 2449421; 456818, 2449430; 456826, 2449432; 456836, 2449428; 456852, 2449419; 456862, 2449411; 456869, 2449407; 456878, 2449407; 456889, 2449412; 456910, 2449422; 456924, 2449429; 456941, 2449429; 456969, 2449426; 456991, 2449421; 457000, 2449421; 457034, 2449425; 457042, 2449425; 457049, 2449422; 457064, 2449414; 457073, 2449409; 457083, 2449408; 457097, 2449407; 457107, 2449413; 457123, 2449423; 457132, 2449429; 457141, 2449431; 457168, 2449428; 457205, 2449431; 457229, 2449432; 457255, 2449429; 457276, 2449429; 457289, 2449431; 457300, 2449437; 457307, 2449440; 457314, 2449440; 457325, 2449437; 457352, 2449440; 457363, 2449443; 457395, 2449451; 457417, 2449451; 457492, 2449461; 457515, 2449471; 457522, 2449475; 457547, 2449505; 457592, 2449538; 457610, 2449548; 457618, 2449556; 457631, 2449564; 457646, 2449571; 457651, 2449568; 457672, 2449547; 457689, 2449529; 457699, 2449522; 457714, 2449515; 457742, 2449506; 457770, 2449483; 457776, 2449475; 457788, 2449467; 457825, 2449449; 457846, 2449433; 457856, 2449429; 457917, 2449393; 457954, 2449369; 458004, 2449331; 458025, 2449313; 458037, 2449307; 458058, 2449301; 458141, 2449491; 458199, 2449615; return to starting point.

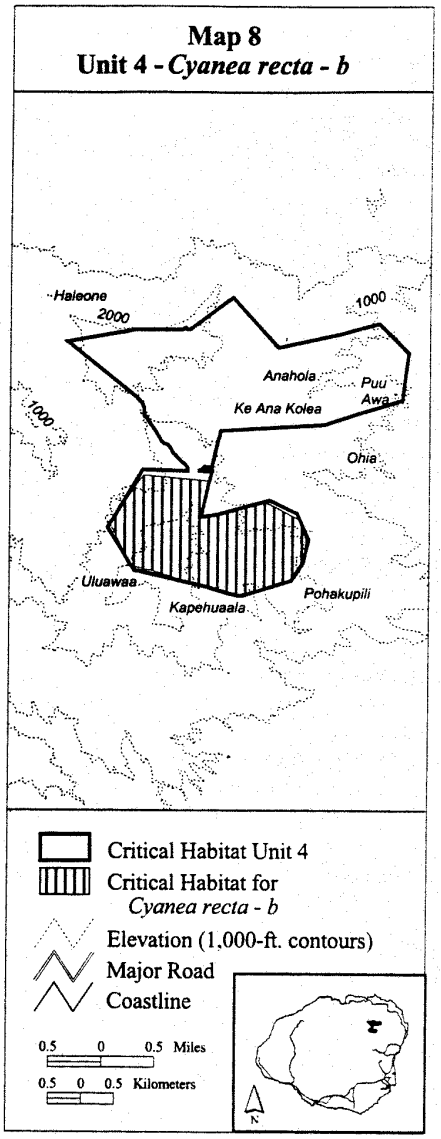
(B) NOTE: Map 7 follows:



(xi) Kauai 4—*Cyanea recta*—b (351 ha; 868 ac)

(A) Unit consists of the following 15 boundary points: Start at 458861, 2446942; 459372, 2446687; 459490, 2446382; 459454, 2446075; 459242, 2445757; 458486, 2445521; 457390, 2445835; 457139, 2445925; 457088, 2445921; 456838, 2445992; 456525, 2446628; 457027, 2447344; 458020, 2447254; 457900, 2446720; 458214, 2446760; return to starting point.

(B) NOTE: Map 8 follows:

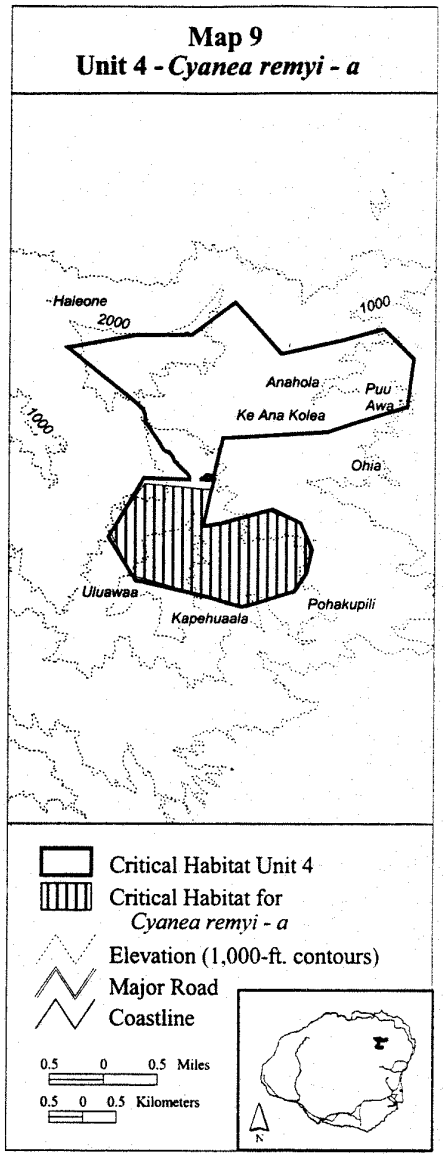


(xii) Kauai 4—*Cyanea remyi*—a (353 ha; 873 ac)

(A) Unit consists of the following 14 boundary points: Start at 457088, 2445921; 456838, 2445992; 456525, 2446628; 457027, 2447344; 458020, 2447254; 457900, 2446720; 458214, 2446760; 458887, 2446950; 459348, 2446748; 459490, 2446382; 459454,

2446075; 459242, 2445757; 458486, 2445521; 457390, 2445835; return to starting point.

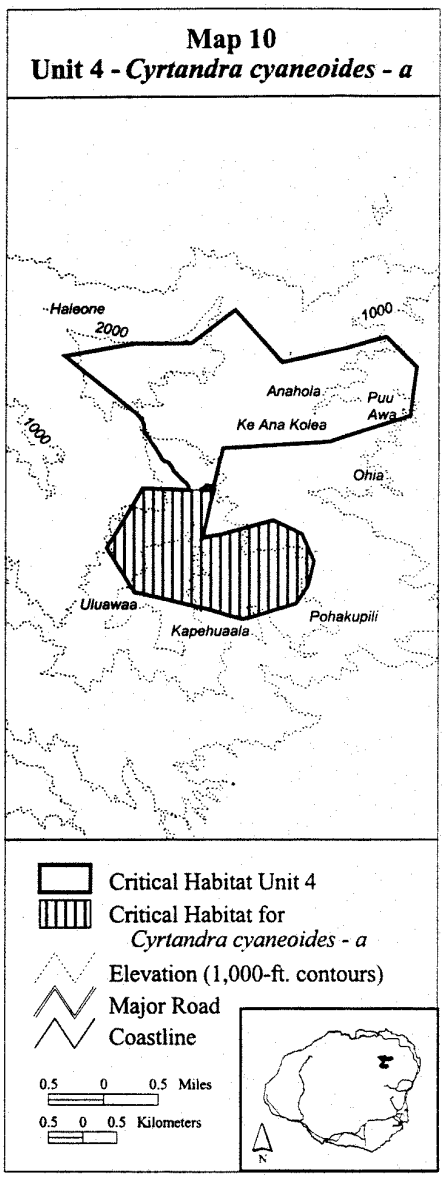
(B) NOTE: Map 9 follows:



(xiii) Kauai 4—*Cyrtandra cyaneoides*—a (376 ha; 928 ac)

(A) Unit consists of the following 13 boundary points: Start at 457013, 2447427; 458066, 2447394; 457852, 2446671; 458938, 2446966; 459350, 2446768; 459531, 2446374; 459449, 2446012; 459268, 2445749; 458544, 2445536; 457395, 2445800; 456955, 2445902; 456898, 2445915; 456486, 2446556; return to starting point.

(B) NOTE: Map 10 follows:

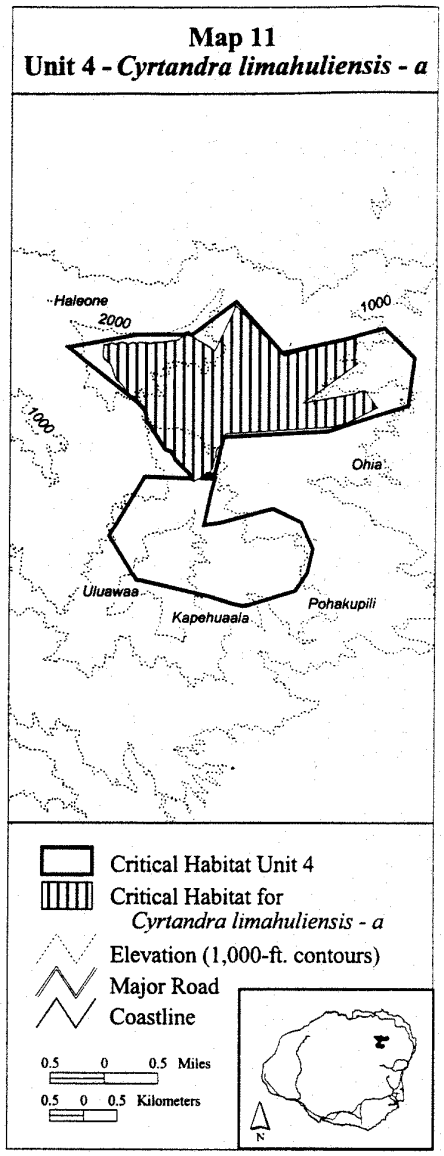


(xiv) Kauai 4—*Cyrtandra limahuliensis*—a (501 ha; 1,237 ac)

(A) Unit consists of the following 225 boundary points: Start at 460167, 2449523; 460165, 2449520; 460143, 2449148;

460121, 2449133; 460190, 2449113; 459376, 2448529; 460097, 2448660; 460288, 2448720; 460453, 2448490; 460443, 2448485; 460474, 2448455; 460038, 2448238; 459811, 2448172; 458204, 2448065; 458165, 2447893; 458096, 2447851; 458085, 2447839; 458077, 2447822; 458073, 2447793; 458073, 2447739; 458057, 2447694; 458046, 2447671; 458033, 2447617; 458027, 2447575; 458026, 2447556; 458023, 2447548; 458009, 2447525; 457998, 2447517; 457979, 2447491; 457946, 2447469; 457927, 2447446; 457899, 2447424; 457864, 2447408; 457850, 2447402; 457830, 2447399; 457797, 2447387; 457757, 2447362; 457741, 2447354; 457739, 2447359; 457725, 2447369; 457716, 2447375; 457694, 2447401; 457689, 2447425; 457690, 2447445; 457684, 2447466; 457667, 2447490; 457653, 2447503; 457639, 2447513; 457604, 2447540; 457587, 2447559; 457545, 2447595; 457538, 2447604; 457528, 2447615; 457505, 2447643; 457502, 2447650; 457473, 2447678; 457457, 2447706; 457446, 2447731; 457399, 2447802; 457389, 2447810; 457328, 2447832; 457310, 2447844; 457297, 2447860; 457274, 2447898; 457234, 2447967; 457193, 2448027; 457148, 2448093; 457124, 2448122; 457112, 2448143; 457089, 2448187; 457076, 2448209; 457048, 2448243; 457032, 2448261; 457029, 2448269; 457028, 2448278; 457031, 2448299; 457032, 2448323; 457031, 2448342; 457028, 2448361; 457016, 2448395; 457005, 2448416; 457002, 2448438; 456998, 2448448; 456991, 2448459; 456973, 2448474; 456957, 2448488; 456943, 2448512; 456930, 2448544; 456916, 2448568; 456896, 2448595; 456883, 2448609; 456870, 2448619; 456856, 2448627; 456832, 2448632; 456801, 2448644; 456771, 2448662; 456748, 2448682; 456733, 2448698; 456713, 2448726; 456697, 2448759; 456679, 2448787; 456671, 2448799; 456652, 2448821; 456635, 2448836; 456615, 2448849; 456596, 2448859; 456583, 2448874; 456572, 2448891; 456563, 2448911; 456551, 2448951; 456541, 2448985; 456535, 2449004; 456530, 2449029; 456526, 2449045; 456516, 2449067; 456504, 2449086; 456491, 2449106; 456476, 2449128; 456462, 2449139; 456446, 2449150; 456435, 2449153; 456419, 2449170; 456404, 2449186; 456395, 2449205; 456387, 2449236; 456386, 2449264; 456390, 2449313; 456395, 2449355; 456394, 2449367; 456394, 2449381; 456397, 2449394; 456401, 2449399; 456407, 2449399; 456420, 2449397; 456439, 2449398; 456457, 2449404; 456483, 2449414; 456501, 2449416; 456513, 2449416; 456533, 2449412; 456569, 2449406; 456586, 2449405; 456603, 2449410; 456620, 2449418; 456633, 2449423; 456647, 2449426; 456662, 2449428; 456681, 2449425; 456706, 2449417; 456733, 2449409; 456752, 2449403; 456769, 2449404; 456787, 2449409; 456807, 2449421; 456818, 2449430; 456826, 2449432; 456836, 2449428; 456852, 2449419; 456862, 2449411; 456869, 2449407; 456878, 2449407; 456889, 2449412; 456910, 2449422; 456924, 2449429; 456941, 2449429; 456969, 2449426; 456991, 2449421; 457000, 2449421; 457034, 2449425; 457042, 2449425; 457049, 2449422; 457064, 2449414; 457073, 2449409; 457083, 2449408; 457097, 2449407; 457107, 2449413; 457123, 2449423; 457132, 2449429; 457141, 2449431; 457168, 2449428; 457205, 2449431; 457229, 2449432; 457255, 2449429; 457276, 2449429; 457289, 2449431; 457300, 2449437; 457307, 2449440; 457314, 2449440; 457325, 2449437; 457352, 2449440; 457363, 2449443; 457395, 2449451; 457417, 2449451; 457492, 2449461; 457515, 2449471; 457522, 2449475; 457547, 2449505; 457592, 2449538; 457610, 2449548; 457618, 2449556; 457631, 2449564; 457646, 2449571; 457651, 2449568; 457672, 2449547; 457689, 2449529; 457699, 2449522; 457714, 2449515; 457742, 2449506; 457770, 2449483; 457776, 2449475; 457788, 2449467; 457825, 2449449; 457846, 2449433; 457856, 2449429; 457917, 2449393; 457954, 2449369; 458004, 2449331; 458025, 2449313; 458037, 2449307; 458058, 2449301; 458141, 2449491; 458199, 2449615; 458316, 2449881; 458363, 2449984; 459083, 2449224; return to starting point.

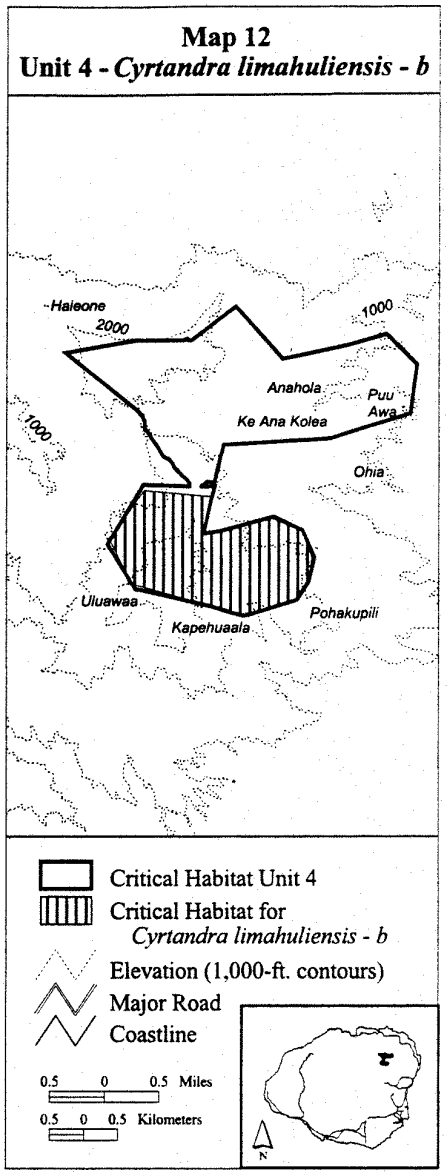
(B) NOTE: Map 11 follows:



(xv) Kauai 4—*Cyrtandra limahuliensis*—b (353 ha; 873 ac)

(A) Unit consists of the following 14 boundary points: Start at 457088, 2445921; 456838, 2445992; 456525, 2446628; 457027, 2447344; 458020, 2447254; 457900, 2446720; 458214, 2446760; 458887, 2446950; 459348, 2446748; 459490, 2446382; 459454, 2446075; 459242, 2445757; 458486, 2445521; 457390, 2445835; return to starting point.

(B) NOTE: Map 12 follows:



(xvi) Kauai 4–*Cyrtandra oenobarba*–a

(A) See paragraph (a)(1)(vi)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(vi)(B) of this section for the map of this unit.

(xvii)Kauai 4–*Cyrtandra paliku*–a

(A) See paragraph (a)(1)(vi)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(vi)(B) of this section for the map of this unit.

(xviii) Kauai 4–*Dubautia plantaginea* ssp. *magnifolia*–a

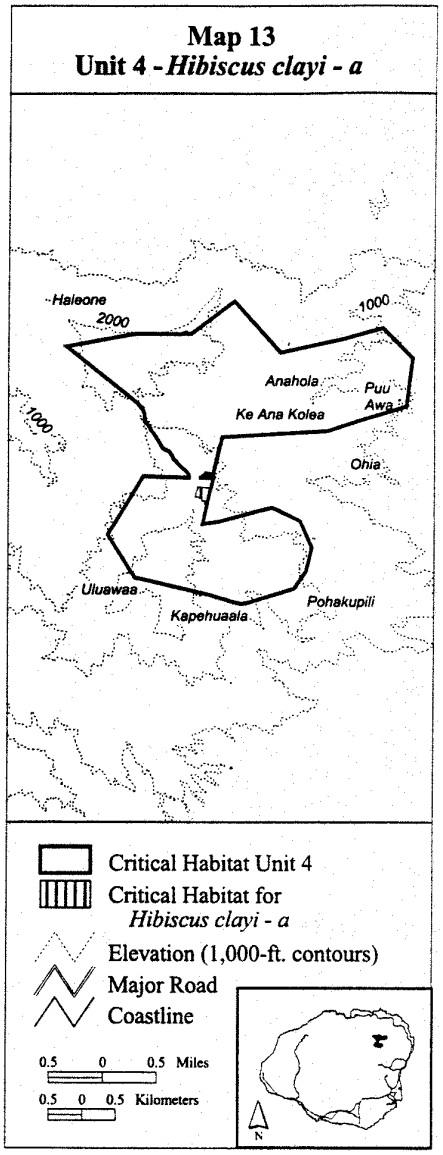
(A) See paragraph (a)(1)(vi)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(vi)(B) of this section for the map of this unit.

(xix) Kauai 4—*Hibiscus clayi*—a (4 ha; 9 ac)

(A) Unit consists of the following 70 boundary points: Start at 457819, 2447272; 458020, 2447254; 457971, 2447038; 457967, 2447019; 457946, 2447009; 457942, 2447010; 457938, 2447011; 457936, 2447012; 457933, 2447015; 457932, 2447018; 457930, 2447025; 457932, 2447041; 457933, 2447055; 457933, 2447059; 457931, 2447065; 457930, 2447067; 457928, 2447067; 457921, 2447067; 457918, 2447067; 457917, 2447066; 457910, 2447062; 457908, 2447062; 457898, 2447060; 457896, 2447062; 457894, 2447065; 457893, 2447069; 457890, 2447077; 457888, 2447085; 457888, 2447086; 457887, 2447093; 457887, 2447095; 457884, 2447100; 457878, 2447105; 457871, 2447102; 457868, 2447102; 457858, 2447103; 457848, 2447108; 457844, 2447111; 457841, 2447115; 457838, 2447120; 457837, 2447123; 457835, 2447125; 457831, 2447127; 457828, 2447128; 457822, 2447128; 457818, 2447128; 457816, 2447127; 457810, 2447123; 457798, 2447118; 457794, 2447120; 457792, 2447125; 457792, 2447128; 457793, 2447135; 457795, 2447145; 457799, 2447165; 457800, 2447176; 457800, 2447183; 457800, 2447185; 457801, 2447192; 457803, 2447195; 457814, 2447209; 457818, 2447215; 457825, 2447224; 457826, 2447227; 457829, 2447234; 457829, 2447244; 457828, 2447246; 457825, 2447251; 457824, 2447254; 457823, 2447264; return to starting point.

(B) NOTE: Map 13 follows:



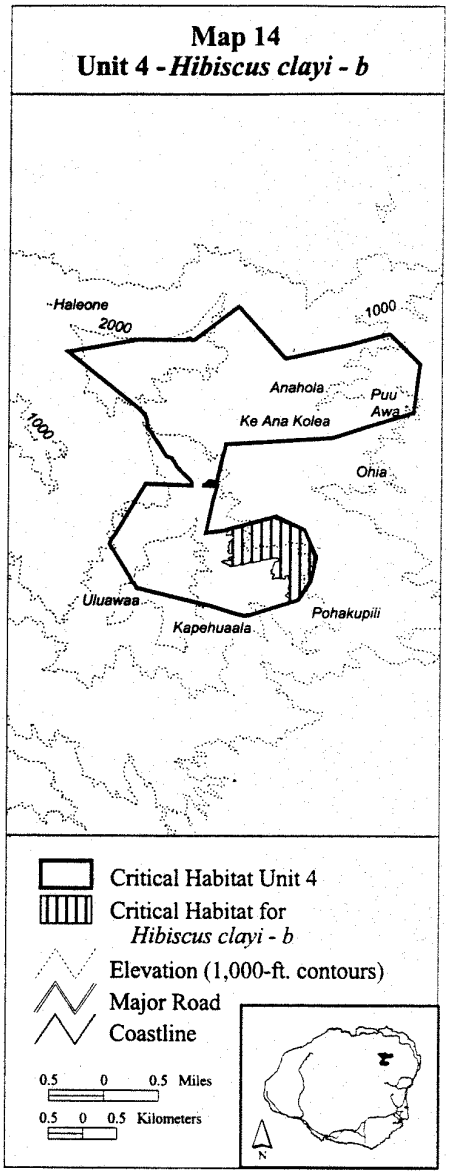
(xx) Kauai 4—*Hibiscus clayi*—b (85 ha; 210 ac)

(A) Unit consists of the following 421 boundary points: Start at 458269, 2446775; 458887, 2446950; 459348, 2446748; 459490, 2446382; 459454, 2446075; 459242, 2445757; 459159, 2445731; 459158, 2445731; 459148, 2445734; 459138, 2445735; 459131, 2445738; 459126, 2445743; 459125, 2445745; 459127, 2445747; 459138, 2445755; 459142,

2445761; 459144, 2445765; 459142, 2445769; 459138, 2445772; 459135, 2445775; 459116, 2445793; 459112, 2445795; 459110, 2445797; 459106, 2445798; 459102, 2445799; 459095, 2445802; 459089, 2445805; 459085, 2445812; 459082, 2445815; 459087, 2445825; 459093, 2445831; 459103, 2445841; 459106, 2445845; 459111, 2445852; 459114, 2445859; 459118, 2445863; 459120, 2445863; 459128, 2445866; 459133, 2445871; 459134, 2445875; 459135, 2445882; 459135, 2445885; 459135, 2445892; 459135, 2445895; 459133, 2445900; 459131, 2445905; 459126, 2445913; 459123, 2445915; 459118, 2445921; 459117, 2445924; 459116, 2445925; 459114, 2445935; 459116, 2445938; 459118, 2445941; 459123, 2445945; 459126, 2445948; 459130, 2445953; 459132, 2445955; 459133, 2445965; 459132, 2445969; 459131, 2445975; 459133, 2446005; 459130, 2446025; 459130, 2446035; 459131, 2446045; 459131, 2446048; 459129, 2446055; 459124, 2446061; 459118, 2446068; 459116, 2446073; 459115, 2446075; 459118, 2446086; 459120, 2446095; 459120, 2446096; 459118, 2446102; 459117, 2446104; 459113, 2446105; 459109, 2446106; 459097, 2446106; 459088, 2446105; 459086, 2446105; 459080, 2446103; 459073, 2446100; 459068, 2446097; 459067, 2446096; 459067, 2446095; 459068, 2446086; 459069, 2446066; 459070, 2446065; 459070, 2446064; 459068, 2446060; 459066, 2446057; 459058, 2446057; 459048, 2446059; 459044, 2446061; 459038, 2446063; 459028, 2446067; 459018, 2446064; 459008, 2446062; 458998, 2446067; 458992, 2446069; 458988, 2446070; 458978, 2446070; 458968, 2446070; 458958, 2446069; 458948, 2446071; 458942, 2446072; 458938, 2446072; 458918, 2446064; 458908, 2446061; 458898, 2446057; 458889, 2446056; 458888, 2446056; 458884, 2446061; 458883, 2446065; 458887, 2446076; 458896, 2446097; 458900, 2446104; 458901, 2446105; 458905, 2446109; 458908, 2446112; 458911, 2446115; 458916, 2446125; 458913, 2446130; 458908, 2446135; 458898, 2446136; 458888, 2446135; 458878, 2446136; 458871, 2446137; 458863, 2446140; 458858, 2446143; 458857, 2446144; 458857, 2446145; 458861, 2446152; 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(B) NOTE: Map 14 follows:

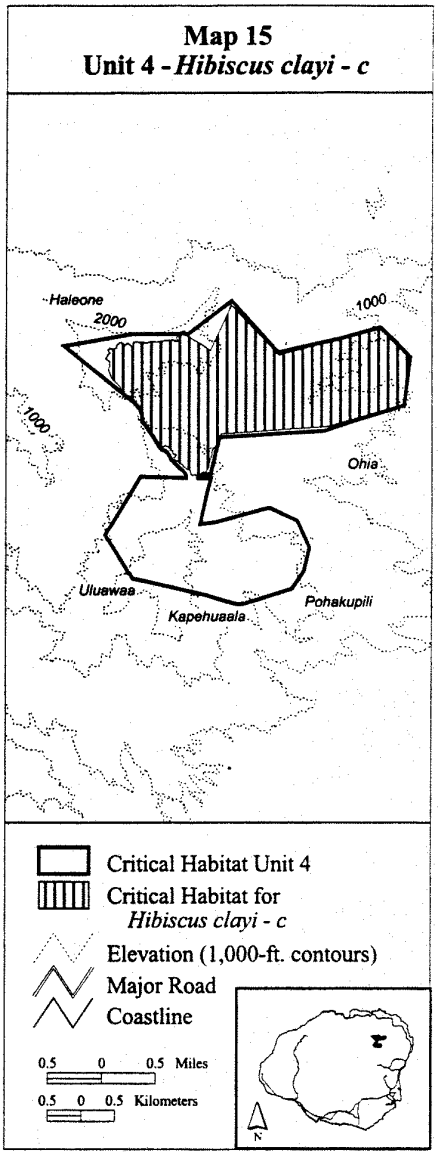


(xxi) Kauai 4—*Hibiscus clayi*—c (590 ha; 1,458 ac)

(A) Unit consists of the following 192 boundary points: Start at 457668, 2449552; 457672, 2449547; 457689, 2449529; 457699, 2449522; 457714, 2449515; 457742, 2449506; 457770, 2449483; 457776, 2449475; 457788, 2449467; 457825, 2449449; 457846, 2449433; 457856, 2449429; 457917, 2449393;

457954, 2449369; 458004, 2449331; 458025, 2449313; 458037, 2449307; 458058, 2449301; 458141, 2449491; 458199, 2449615; 458316, 2449881; 458363, 2449984; 459083, 2449224; 460578, 2449637; 461026, 2449189; 460925, 2448495; 459811, 2448172; 458204, 2448065; 458165, 2447893; 458096, 2447851; 458085, 2447839; 458077, 2447822; 458073, 2447793; 458073, 2447739; 458057, 2447694; 458046, 2447671; 458033, 2447617; 458027, 2447575; 458026, 2447556; 458023, 2447548; 458009, 2447525; 457998, 2447517; 457979, 2447491; 457946, 2447469; 457927, 2447446; 457899, 2447424; 457864, 2447422; 457848, 2447449; 457822, 2447451; 457802, 2447444; 457771, 2447453; 457756, 2447462; 457757, 2447484; 457751, 2447506; 457752, 2447524; 457741, 2447534; 457689, 2447539; 457676, 2447562; 457651, 2447573; 457640, 2447603; 457586, 2447621; 457575, 2447659; 457553, 2447656; 457529, 2447667; 457502, 2447707; 457532, 2447722; 457544, 2447753; 457500, 2447771; 457492, 2447810; 457459, 2447812; 457439, 2447864; 457412, 2447879; 457371, 2447884; 457345, 2447859; 457332, 2447868; 457274, 2447898; 457234, 2447967; 457193, 2448027; 457148, 2448093; 457124, 2448122; 457112, 2448143; 457089, 2448187; 457076, 2448209; 457048, 2448243; 457032, 2448261; 457029, 2448269; 457028, 2448278; 457031, 2448299; 457032, 2448323; 457031, 2448342; 457028, 2448361; 457016, 2448395; 457005, 2448416; 457002, 2448438; 456998, 2448448; 456991, 2448459; 456973, 2448474; 456957, 2448488; 456943, 2448512; 456930, 2448544; 456916, 2448568; 456896, 2448595; 456883, 2448609; 456870, 2448619; 456856, 2448627; 456832, 2448632; 456801, 2448644; 456771, 2448662; 456748, 2448682; 456733, 2448698; 456713, 2448726; 456697, 2448759; 456679, 2448787; 456671, 2448799; 456652, 2448821; 456635, 2448836; 456615, 2448849; 456596, 2448859; 456583, 2448874; 456572, 2448891; 456563, 2448911; 456551, 2448951; 456541, 2448985; 456535, 2449004; 456530, 2449029; 456546, 2449060; 456540, 2449095; 456553, 2449134; 456490, 2449179; 456513, 2449208; 456520, 2449240; 456555, 2449262; 456524, 2449303; 456546, 2449327; 456600, 2449316; 456652, 2449333; 456652, 2449376; 456672, 2449396; 456706, 2449417; 456733, 2449409; 456778, 2449374; 456817, 2449409; 456862, 2449378; 456880, 2449352; 456895, 2449372; 456897, 2449409; 456924, 2449429; 456941, 2449429; 456969, 2449426; 456991, 2449421; 457000, 2449421; 457034, 2449425; 457042, 2449425; 457049, 2449422; 457064, 2449414; 457073, 2449409; 457083, 2449408; 457097, 2449407; 457107, 2449413; 457123, 2449423; 457132, 2449429; 457141, 2449431; 457168, 2449428; 457205, 2449431; 457229, 2449432; 457255, 2449429; 457276, 2449429; 457289, 2449431; 457300, 2449437; 457307, 2449440; 457314, 2449440; 457325, 2449437; 457352, 2449440; 457363, 2449443; 457395, 2449451; 457417, 2449451; 457492, 2449461; 457518, 2449446; 457527, 2449437; 457542, 2449435; 457550, 2449428; 457557, 2449434; 457555, 2449453; 457546, 2449470; 457543, 2449490; 457547, 2449505; 457592, 2449538; 457610, 2449548; 457619, 2449546; 457638, 2449550; 457649, 2449548; 457660, 2449547; return to starting point.

(B) NOTE: Map 15 follows:

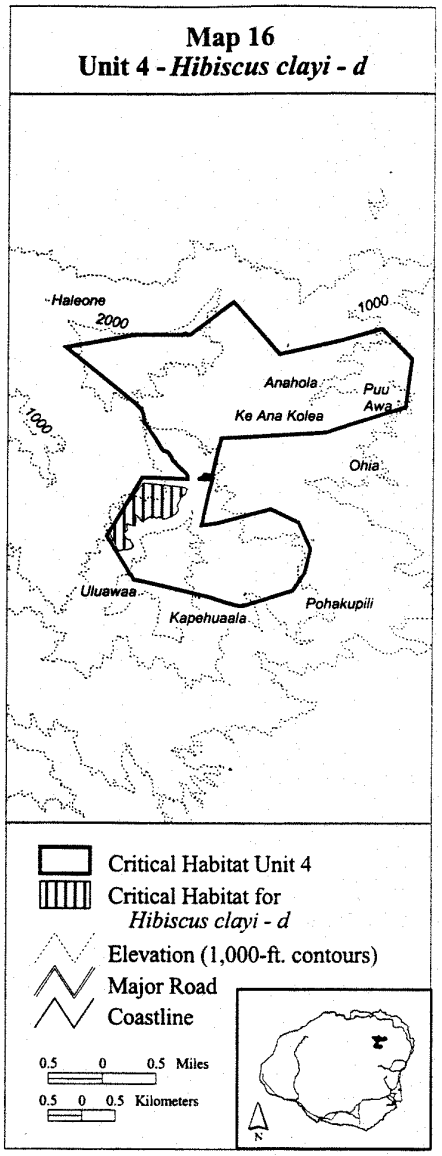


(xxii) Kauai 4—*Hibiscus clayi*—d (48 ha; 119 ac)

(A) Unit consists of the following 283 boundary points: Start at 457027, 2447344; 457644, 2447288; 457645, 2447282; 457658, 2447272; 457670, 2447265; 457675, 2447261; 457678, 2447259; 457680, 2447257; 457682, 2447255; 457680, 2447245; 457678, 2447241; 457676, 2447237; 457674, 2447235; 457669, 2447225; 457666, 2447215; 457663, 2447205; 457662, 2447195; 457661, 2447192; 457657, 2447185; 457651, 2447175; 457650, 2447173; 457648, 2447172; 457644, 2447169; 457638, 2447166; 457637, 2447166; 457631, 2447162; 457628, 2447160; 457625, 2447158; 457621, 2447152; 457618, 2447148; 457608, 2447139; 457605, 2447138; 457602, 2447135; 457600, 2447133; 457595, 2447128; 457591, 2447122; 457586, 2447115; 457584, 2447109; 457584, 2447105; 457582, 2447095; 457577, 2447086; 457576, 2447085; 457573, 2447075; 457571, 2447072; 457568, 2447068; 457564, 2447065; 457561, 2447062; 457556, 2447057; 457555, 2447055; 457552, 2447051; 457541, 2447032; 457537, 2447025; 457536, 2447017; 457536, 2447015; 457536, 2447012; 457537, 2447005; 457541, 2446995; 457545, 2446985; 457546, 2446983; 457557, 2446955; 457560, 2446945; 457558, 2446941; 457556, 2446937; 457551, 2446932; 457545, 2446928; 457540, 2446924; 457535, 2446919; 457531, 2446913; 457527, 2446906; 457524, 2446899; 457523, 2446895; 457522, 2446892; 457518, 2446887; 457517, 2446885; 457512, 2446881; 457508, 2446880; 457504, 2446879; 457497, 2446877; 457489, 2446874; 457483, 2446871; 457478, 2446868; 457471, 2446863; 457465, 2446858; 457458, 2446852; 457452, 2446845; 457448, 2446842; 457438, 2446838; 457428, 2446838; 457418, 2446837; 457408, 2446834; 457403, 2446831; 457398, 2446828; 457391, 2446823; 457385, 2446818; 457381, 2446815; 457379, 2446814; 457378, 2446814; 457371, 2446812; 457358, 2446810; 457354, 2446809; 457347, 2446807; 457344, 2446805; 457338, 2446803; 457336, 2446803; 457328, 2446805; 457327, 2446805; 457322, 2446809; 457319, 2446815; 457318, 2446825; 457308, 2446825; 457302, 2446828; 457298, 2446830; 457268, 2446834; 457258, 2446833; 457248, 2446831; 457244, 2446829; 457236, 2446825; 457228, 2446822; 457225, 2446822; 457218, 2446821; 457216, 2446823; 457213, 2446825; 457211, 2446828; 457208, 2446831; 457206, 2446833; 457200, 2446837; 457198, 2446838; 457191, 2446838; 457188, 2446838; 457168, 2446832; 457158, 2446831; 457155, 2446832; 457148, 2446834; 457138, 2446839; 457128, 2446839; 457118, 2446836; 457108, 2446831; 457088, 2446819; 457078, 2446813; 457068, 2446807; 457057, 2446796; 457044, 2446780; 457041, 2446775; 457038, 2446772; 457035, 2446769; 457028, 2446765; 457018, 2446765; 457013, 2446770; 457008, 2446774; 457007, 2446775; 457003, 2446780; 456994, 2446791; 456990, 2446797; 456982, 2446809; 456978, 2446816; 456968, 2446830; 456958, 2446844; 456950, 2446855; 456940, 2446867; 456938, 2446868; 456928, 2446872; 456918, 2446869; 456916, 2446867;

456914, 2446865; 456912, 2446861; 456911, 2446855; 456912, 2446845; 456914, 2446835; 456917, 2446825; 456919, 2446816; 456921, 2446808; 456924, 2446795; 456923, 2446785; 456920, 2446775; 456920, 2446774; 456920, 2446765; 456921, 2446758; 456921, 2446753; 456921, 2446745; 456920, 2446743; 456917, 2446725; 456916, 2446718; 456915, 2446715; 456912, 2446712; 456908, 2446710; 456898, 2446708; 456888, 2446707; 456882, 2446709; 456878, 2446710; 456868, 2446715; 456858, 2446720; 456854, 2446721; 456839, 2446726; 456823, 2446730; 456808, 2446732; 456800, 2446734; 456789, 2446735; 456788, 2446734; 456786, 2446728; 456785, 2446719; 456785, 2446706; 456786, 2446696; 456788, 2446686; 456791, 2446678; 456793, 2446676; 456794, 2446672; 456797, 2446664; 456798, 2446656; 456797, 2446647; 456797, 2446646; 456793, 2446641; 456777, 2446627; 456775, 2446626; 456771, 2446623; 456765, 2446619; 456758, 2446616; 456748, 2446610; 456746, 2446608; 456743, 2446606; 456736, 2446596; 456742, 2446586; 456748, 2446581; 456751, 2446579; 456753, 2446576; 456756, 2446566; 456763, 2446556; 456770, 2446546; 456768, 2446536; 456769, 2446527; 456770, 2446526; 456775, 2446522; 456778, 2446521; 456788, 2446518; 456791, 2446516; 456795, 2446512; 456798, 2446509; 456801, 2446508; 456808, 2446505; 456816, 2446504; 456838, 2446501; 456842, 2446499; 456844, 2446496; 456844, 2446486; 456843, 2446476; 456845, 2446472; 456850, 2446467; 456856, 2446463; 456863, 2446460; 456869, 2446456; 456870, 2446456; 456881, 2446439; 456882, 2446436; 456883, 2446426; 456882, 2446416; 456883, 2446406; 456883, 2446401; 456882, 2446396; 456881, 2446394; 456878, 2446392; 456852, 2446372; 456848, 2446370; 456845, 2446369; 456830, 2446364; 456822, 2446362; 456808, 2446358; 456788, 2446354; 456778, 2446355; 456768, 2446358; 456758, 2446360; 456748, 2446361; 456738, 2446360; 456728, 2446357; 456727, 2446356; 456716, 2446348; 456709, 2446345; 456708, 2446345; 456700, 2446344; 456698, 2446344; 456688, 2446342; 456678, 2446340; 456675, 2446339; 456668, 2446337; 456525, 2446628; return to starting point.

(B) NOTE: Map 16 follows:

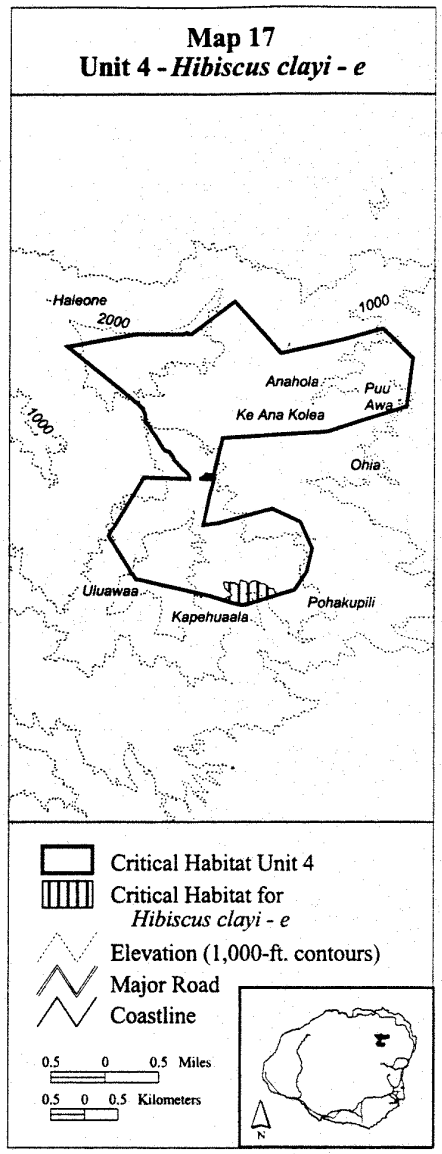


(xxiii) Kauai 4—*Hibiscus clayi*—e (19 ha; 47 ac)

(A) Unit consists of the following 225 boundary points: Start at 459000, 2445681; 458500, 2445525; 458499, 2445526; 458498, 2445527; 458493, 2445530; 458488, 2445532; 458485, 2445533; 458478, 2445534; 458469, 2445547; 458468, 2445547; 458463, 2445550; 458458, 2445552; 458448, 2445549; 458440, 2445544; 458428, 2445540; 458422,

2445539; 458288, 2445578; 458285, 2445582; 458281, 2445586; 458273, 2445590; 458268, 2445593; 458266, 2445596; 458263, 2445601; 458259, 2445606; 458254, 2445611; 458248, 2445616; 458248, 2445616; 458244, 2445622; 458244, 2445626; 458248, 2445632; 458258, 2445645; 458259, 2445646; 458265, 2445649; 458268, 2445650; 458278, 2445651; 458283, 2445651; 458291, 2445653; 458306, 2445656; 458323, 2445661; 458328, 2445663; 458332, 2445666; 458333, 2445671; 458334, 2445676; 458328, 2445683; 458326, 2445686; 458318, 2445691; 458316, 2445693; 458312, 2445696; 458311, 2445698; 458307, 2445704; 458288, 2445726; 458283, 2445731; 458274, 2445736; 458271, 2445738; 458268, 2445740; 458265, 2445743; 458263, 2445746; 458261, 2445748; 458257, 2445754; 458255, 2445756; 458251, 2445758; 458248, 2445760; 458244, 2445766; 458242, 2445770; 458234, 2445782; 458230, 2445786; 458229, 2445787; 458228, 2445788; 458226, 2445793; 458225, 2445796; 458224, 2445806; 458222, 2445816; 458217, 2445836; 458212, 2445849; 458207, 2445855; 458207, 2445856; 458207, 2445857; 458211, 2445863; 458215, 2445866; 458217, 2445867; 458228, 2445872; 458232, 2445872; 458235, 2445872; 458245, 2445872; 458248, 2445872; 458253, 2445870; 458261, 2445866; 458266, 2445863; 458268, 2445862; 458278, 2445859; 458292, 2445862; 458302, 2445866; 458307, 2445867; 458311, 2445869; 458318, 2445870; 458327, 2445866; 458328, 2445865; 458332, 2445860; 458336, 2445854; 458338, 2445852; 458348, 2445850; 458351, 2445853; 458356, 2445858; 458358, 2445861; 458368, 2445866; 458375, 2445862; 458378, 2445860; 458388, 2445849; 458392, 2445846; 458398, 2445841; 458408, 2445836; 458418, 2445833; 458428, 2445833; 458431, 2445833; 458439, 2445835; 458446, 2445838; 458448, 2445841; 458450, 2445844; 458452, 2445852; 458454, 2445866; 458455, 2445876; 458457, 2445885; 458457, 2445887; 458458, 2445890; 458462, 2445892; 458468, 2445893; 458478, 2445892; 458482, 2445892; 458486, 2445893; 458488, 2445893; 458495, 2445892; 458498, 2445891; 458516, 2445883; 458523, 2445880; 458528, 2445876; 458536, 2445873; 458538, 2445872; 458548, 2445871; 458551, 2445868; 458552, 2445865; 458555, 2445862; 458558, 2445859; 458565, 2445855; 458567, 2445854; 458568, 2445854; 458578, 2445853; 458588, 2445849; 458598, 2445849; 458603, 2445851; 458608, 2445853; 458610, 2445855; 458618, 2445865; 458623, 2445871; 458625, 2445875; 458628, 2445879; 458632, 2445882; 458638, 2445885; 458647, 2445884; 458658, 2445884; 458663, 2445885; 458667, 2445886; 458688, 2445888; 458691, 2445888; 458698, 2445885; 458704, 2445881; 458708, 2445877; 458709, 2445876; 458718, 2445873; 458724, 2445871; 458728, 2445870; 458731, 2445868; 458735, 2445865; 458738, 2445863; 458743, 2445860; 458751, 2445858; 458758, 2445856; 458759, 2445855; 458768, 2445849; 458771, 2445848; 458778, 2445845; 458788, 2445844; 458798, 2445844; 458808, 2445842; 458818, 2445840; 458821, 2445838; 458825, 2445835; 458826, 2445834; 458828, 2445832; 458833, 2445830; 458840, 2445827; 458843, 2445825; 458858, 2445819; 458861, 2445818; 458864, 2445815; 458866, 2445813; 458870, 2445807; 458874, 2445801; 458878, 2445795; 458884, 2445791; 458891, 2445788; 458898, 2445786; 458900, 2445785; 458908, 2445781; 458915, 2445775; 458918, 2445773; 458928, 2445770; 458938, 2445770; 458948, 2445773; 458955, 2445772; 458958, 2445772; 458962, 2445769; 458963, 2445765; 458963, 2445755; 458964, 2445745; 458967, 2445735; 458971, 2445728; 458973, 2445725; 458975, 2445722; 458980, 2445717; 458983, 2445715; 458985, 2445712; 458988, 2445708; 458989, 2445706; 458992, 2445695; 458997, 2445685; return to starting point.

(B) NOTE: Map 17 follows:

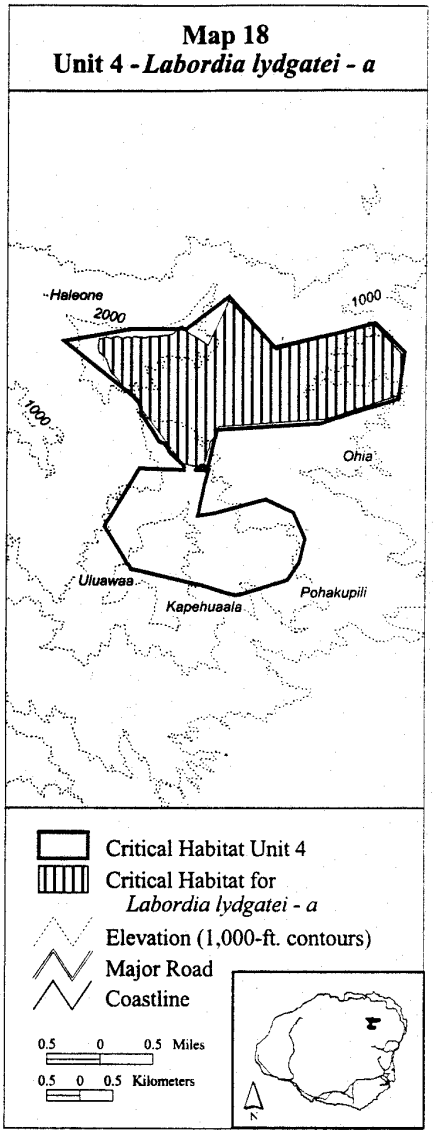


(xxiv) Kauai 4—*Labordia lydgatei*—a (588 ha; 1,453 ac)

(A) Unit consists of the following 170 boundary points: Start at 457589, 2449536; 457687, 2449531; 457689, 2449529; 457699, 2449522; 457714, 2449515; 457742, 2449506; 457770, 2449483; 457776, 2449475; 457788, 2449467; 457825, 2449449; 457846, 2449433; 457856, 2449429; 457917, 2449393; 457954, 2449369; 458004, 2449331; 458025, 2449313; 458037, 2449307; 458058, 2449301; 458141, 2449491; 458199, 2449615; 458316, 2449881; 458363, 2449983; 458397, 2449949; 459083, 2449224; 460011, 2449480; 460567, 2449609; 461011, 2449133; 460921, 2448534; 459969, 2448218; 459811, 2448172; 458204, 2448065; 458165, 2447893; 458096, 2447851; 458085, 2447839; 458077, 2447822; 458073, 2447793; 458073, 2447739; 458057, 2447694; 458046, 2447671; 458033, 2447617; 458027, 2447575; 458026, 2447556; 458023, 2447548; 458009, 2447525; 457998, 2447517; 457979, 2447491; 457946, 2447469; 457930, 2447450; 457669, 2447502; 457031, 2448340; 457031, 2448342; 457028, 2448361; 457016, 2448395; 457005, 2448416; 457002, 2448438; 456998, 2448448; 456991, 2448459; 456973, 2448474; 456957, 2448488; 456943, 2448512; 456930, 2448544; 456916, 2448568; 456896, 2448595; 456883, 2448609; 456870, 2448619; 456856, 2448627; 456832, 2448632; 456801, 2448644; 456771, 2448662; 456748, 2448682; 456733, 2448698; 456713, 2448726; 456697, 2448759; 456679, 2448787; 456671, 2448799; 456652, 2448821; 456635, 2448836; 456615, 2448849; 456596, 2448859; 456583, 2448874; 456572, 2448891; 456563, 2448911; 456551, 2448951; 456541, 2448985; 456535, 2449004; 456530, 2449029; 456526, 2449045; 456516, 2449067; 456504, 2449086; 456491, 2449106; 456476, 2449128; 456462, 2449139; 456446, 2449150; 456435, 2449153; 456419, 2449170; 456404, 2449186; 456395, 2449205; 456387, 2449236; 456386, 2449264; 456390, 2449313; 456395, 2449355; 456394, 2449367; 456394, 2449381; 456397, 2449394; 456401, 2449399; 456407, 2449399; 456420, 2449397; 456439, 2449398; 456457, 2449404; 456483, 2449414; 456501, 2449416; 456513, 2449416; 456533, 2449412; 456569, 2449406; 456586, 2449405; 456603, 2449410; 456620, 2449418; 456633, 2449423; 456647, 2449426; 456662, 2449428; 456681, 2449425; 456706, 2449417; 456733, 2449409; 456752, 2449403; 456769, 2449404; 456787, 2449409; 456807, 2449421; 456818, 2449430; 456826, 2449432; 456836, 2449428; 456852, 2449419; 456862, 2449411; 456869, 2449407; 456878, 2449407; 456889, 2449412; 456910, 2449422; 456924, 2449429; 456941, 2449429; 456969, 2449426; 456991, 2449421; 457000, 2449421; 457034, 2449425; 457042, 2449425; 457049, 2449422; 457064, 2449414; 457073, 2449409; 457083, 2449408; 457097, 2449407; 457107, 2449413; 457123, 2449423; 457132, 2449429; 457141, 2449431; 457168, 2449428; 457205, 2449431; 457229, 2449432; 457255, 2449429; 457276, 2449429; 457289, 2449431; 457300, 2449437; 457307, 2449440; 457314, 2449440; 457325, 2449437; 457352, 2449440;

457363, 2449443; 457395, 2449451; 457417, 2449451; 457492, 2449461; 457515, 2449471; 457522, 2449475; 457547, 2449505; return to starting point.

(B) NOTE: Map 18 follows:



(xxv) Kauai 4–*Lysimachia iniki*–a

(A) See paragraph (a)(1)(vi)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(vi)(B) of this section for the map of this unit.

(xxvi) Kauai 4–*Lysimachia pendens*–a

(A) See paragraph (a)(1)(vi)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(vi)(B) of this section for the map of this unit.

(xxvii) Kauai 4– *Lysimachia venosa*–a

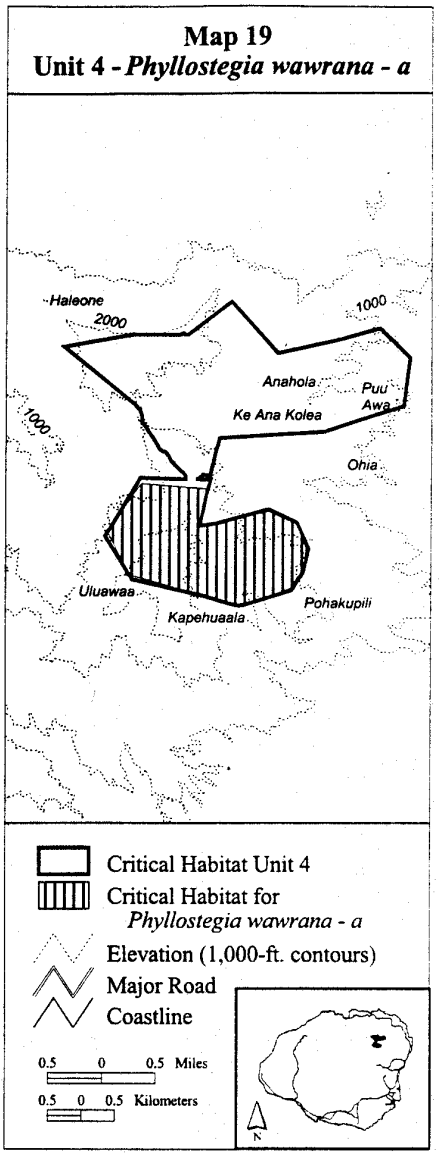
(A) See paragraph (a)(1)(vi)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(vi)(B) of this section for the map of this unit.

(xxviii) Kauai 4—*Phyllostegia wawrana*—a (352 ha; 869 ac)

(A) Unit consists of the following 25 boundary points: Start at 457390, 2445835; 457088, 2445921; 456838, 2445992; 456709, 2446255; 456732, 2446269; 456702, 2446268; 456529, 2446620; 456709, 2446891; 457027, 2447344; 458020, 2447262; 457940, 2447000; 457957, 2446974; 457900, 2446720; 458214, 2446760; 458463, 2446830; 458936, 2446928; 459341, 2446751; 459365, 2446704; 459490, 2446382; 459454, 2446075; 459260, 2445784; 458941, 2445663; 458510, 2445529; 458255, 2445590; 458262, 2445585; return to starting point.

(B) NOTE: Map 19 follows:



(xxix) Kauai 4–*Platydesma rostrata*–a

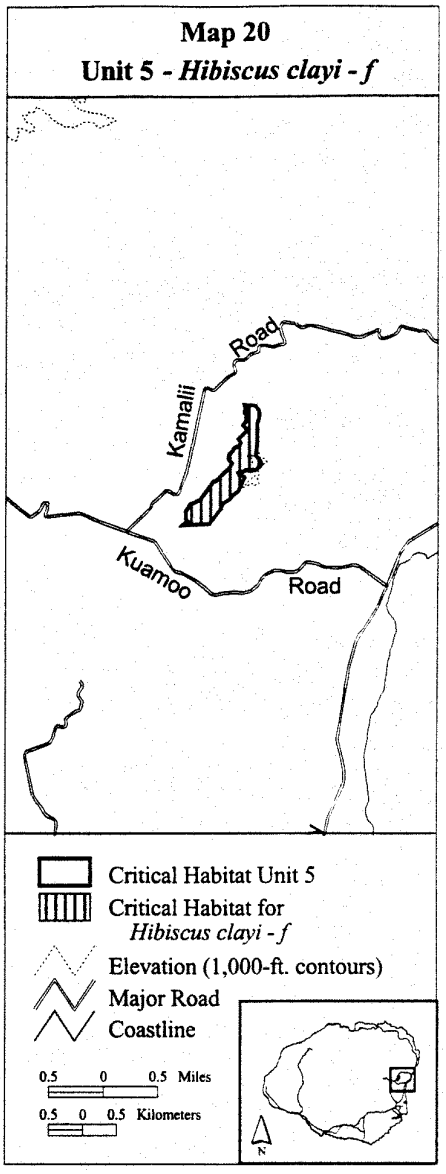
(A) See paragraph (a)(1)(vi)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(vi)(B) of this section for the map of this unit.

(xxx) Kauai 5—*Hibiscus clayi*—f (60 ha; 148 ac)

(A) Unit consists of the following 52 boundary points: Start at 462370, 2438990; 462438, 2439048; 462412, 2439074; 462412, 2439188; 462475, 2439287; 462548, 2439318; 462631, 2439365; 462709, 2439469; 462819, 2439625; 462845, 2439625; 463011, 2439781; 463043, 2439818; 463084, 2439885; 463074, 2439911; 463037, 2439953; 463048, 2440021; 463079, 2440042; 463121, 2440109; 463162, 2440140; 463194, 2440140; 463214, 2440192; 463183, 2440245; 463313, 2440375; 463246, 2440448; 463287, 2440505; 463298, 2440609; 463256, 2440635; 463287, 2440671; 463272, 2440744; 463433, 2440739; 463496, 2440650; 463491, 2440588; 463465, 2440479; 463459, 2440333; 463465, 2440187; 463438, 2440000; 463511, 2439916; 463517, 2439870; 463449, 2439802; 463360, 2439771; 463287, 2439792; 463256, 2439766; 463183, 2439745; 463194, 2439724; 463246, 2439703; 463272, 2439677; 463183, 2439474; 463126, 2439438; 463063, 2439365; 462954, 2439297; 462938, 2439230; 462756, 2439001; return to starting point.

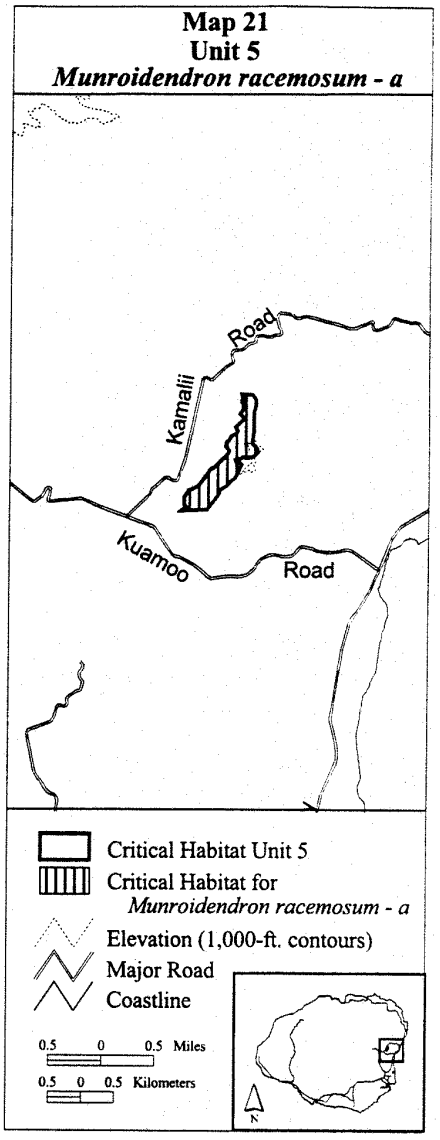
(B) NOTE: Map 20 follows:



(xxxi) Kauai 5—*Munroidendron racemosum*—a (60 ha; 148 ac)

(A) Unit consists of the following 52 boundary points: Start at 462370, 2438990; 462438, 2439048; 462412, 2439074; 462412, 2439188; 462475, 2439287; 462548, 2439318; 462631, 2439365; 462709, 2439469; 462819, 2439625; 462845, 2439625; 463011, 2439781; 463043, 2439818; 463084, 2439885; 463074, 2439911; 463037, 2439953; 463048, 2440021; 463079, 2440042; 463121, 2440109; 463162, 2440140; 463194, 2440140; 463214, 2440192; 463183, 2440245; 463313, 2440375; 463246, 2440448; 463287, 2440505; 463298, 2440609; 463256, 2440635; 463287, 2440671; 463272, 2440744; 463433, 2440739; 463496, 2440650; 463491, 2440588; 463465, 2440479; 463459, 2440333; 463465, 2440187; 463438, 2440000; 463511, 2439916; 463517, 2439870; 463449, 2439802; 463360, 2439771; 463287, 2439792; 463256, 2439766; 463183, 2439745; 463194, 2439724; 463246, 2439703; 463272, 2439677; 463183, 2439474; 463126, 2439438; 463063, 2439365; 462954, 2439297; 462938, 2439230; 462756, 2439001; return to starting point.

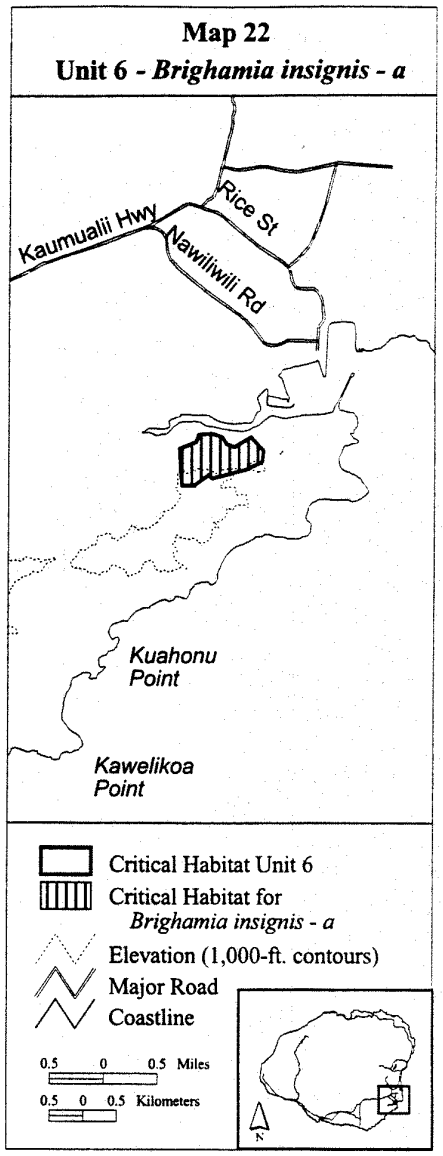
(B) NOTE: Map 21 follows:



(xxxii) Kauai 6—*Brighamia insignis*—a (63 ha; 156 ac)

(A) Unit consists of the following 22 boundary points: Start at 462682, 2426559; 462657, 2426391; 462532, 2426329; 462422, 2426274; 462417, 2426272; 462234, 2426225; 462055, 2426178; 461911, 2426141; 461862, 2426197; 461719, 2426089; 461655, 2426041; 461649, 2426036; 461464, 2426045; 461448, 2426165; 461433, 2426586; 461678, 2426687; 461714, 2426795; 461907, 2426808; 462068, 2426762; 462130, 2426658; 462247, 2426612; 462487, 2426760; return to starting point.

(B) NOTE: Map 22 follows:

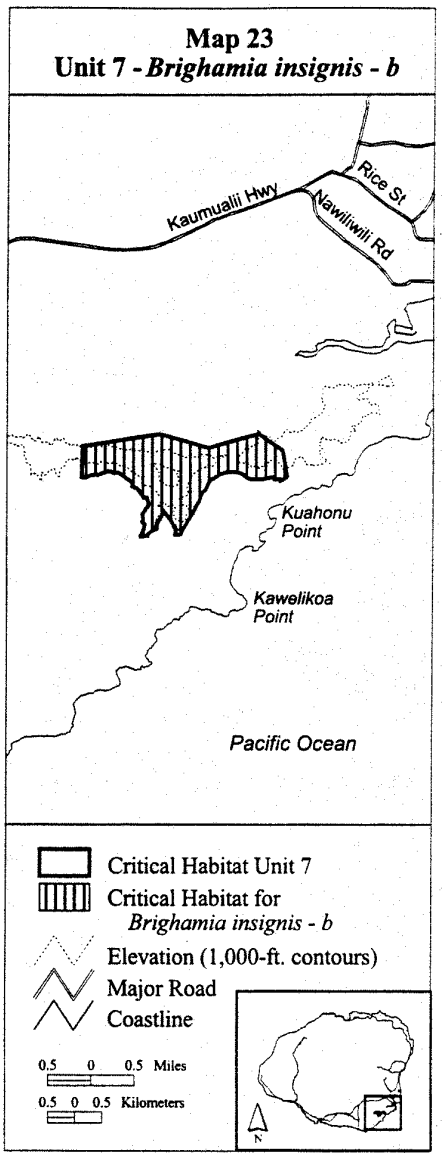


(xxxiii) Kauai 7—*Brighamia insignis*—b (341 ha; 842 ac)

(A) Unit consists of the following 118 boundary points: Start at 458142, 2423455; 458117, 2423452; 458106, 2423450; 458074, 2423446; 458031, 2423441; 458022,

2423439; 458014, 2423466; 458021, 2423472; 458036, 2423485; 458058, 2423560; 458086, 2423655; 458073, 2423681; 458043, 2423708; 458049, 2423751; 458049, 2423808; 458039, 2423854; 458066, 2423887; 458092, 2423928; 458096, 2423934; 458119, 2423970; 458122, 2423978; 458149, 2423997; 458162, 2424054; 458136, 2424097; 458136, 2424099; 458133, 2424118; 458126, 2424160; 458066, 2424167; 458043, 2424217; 458009, 2424240; 457966, 2424313; 457930, 2424340; 457853, 2424376; 457860, 2424406; 457833, 2424456; 457640, 2424596; 457594, 2424622; 457527, 2424612; 457504, 2424622; 457474, 2424636; 457421, 2424646; 457371, 2424652; 457358, 2424642; 457321, 2424612; 457298, 2424612; 457252, 2424591; 457238, 2424585; 457218, 2424576; 457204, 2424580; 457203, 2424580; 457195, 2424582; 457148, 2424589; 457099, 2424582; 457036, 2424556; 457019, 2424549; 457006, 2424540; 456924, 2424561; 456949, 2425099; 458411, 2425339; 458609, 2425269; 459268, 2425094; 459490, 2425148; 460208, 2425361; 460651, 2425063; 460662, 2424997; 460736, 2424562; 460732, 2424559; 460721, 2424548; 460705, 2424534; 460688, 2424518; 460619, 2424484; 460594, 2424517; 460594, 2424517; 460495, 2424517; 460475, 2424550; 460373, 2424536; 460281, 2424513; 460170, 2424523; 460066, 2424516; 459976, 2424546; 459929, 2424597; 459855, 2424638; 459740, 2424652; 459629, 2424638; 459499, 2424606; 459384, 2424532; 459286, 2424472; 459212, 2424315; 459157, 2424250; 459134, 2424204; 459105, 2424102; 459085, 2424072; 459037, 2423991; 458986, 2423894; 458939, 2423815; 458891, 2423732; 458854, 2423668; 458826, 2423618; 458786, 2423542; 458741, 2423531; 458744, 2423558; 458688, 2423585; 458658, 2423661; 458631, 2423661; 458551, 2423758; 458541, 2423798; 458512, 2423871; 458445, 2423921; 458405, 2423884; 458382, 2423834; 458335, 2423824; 458305, 2423771; 458295, 2423728; 458279, 2423668; 458315, 2423638; 458312, 2423581; 458199, 2423551; 458142, 2423478; return to starting point.

(B) NOTE: Map 23 follows:



(xxxiv) Kauai 7–*Canavalia napaliensis*–a (37 ac; 15 ha)

(A) This is a unit of the Lowland Mesic ecosystem and consists of 37 ac (15 ha). This unit includes land bounded by the following UTM Zone 4, NAD 83 coordinates (E, N): 458130, 2424804; 458259, 2424774; 458356, 2424758; 458478, 2424743; 458570, 2424730; 458648, 2424694; 458648, 2424470; 458666, 2424580; 458010,

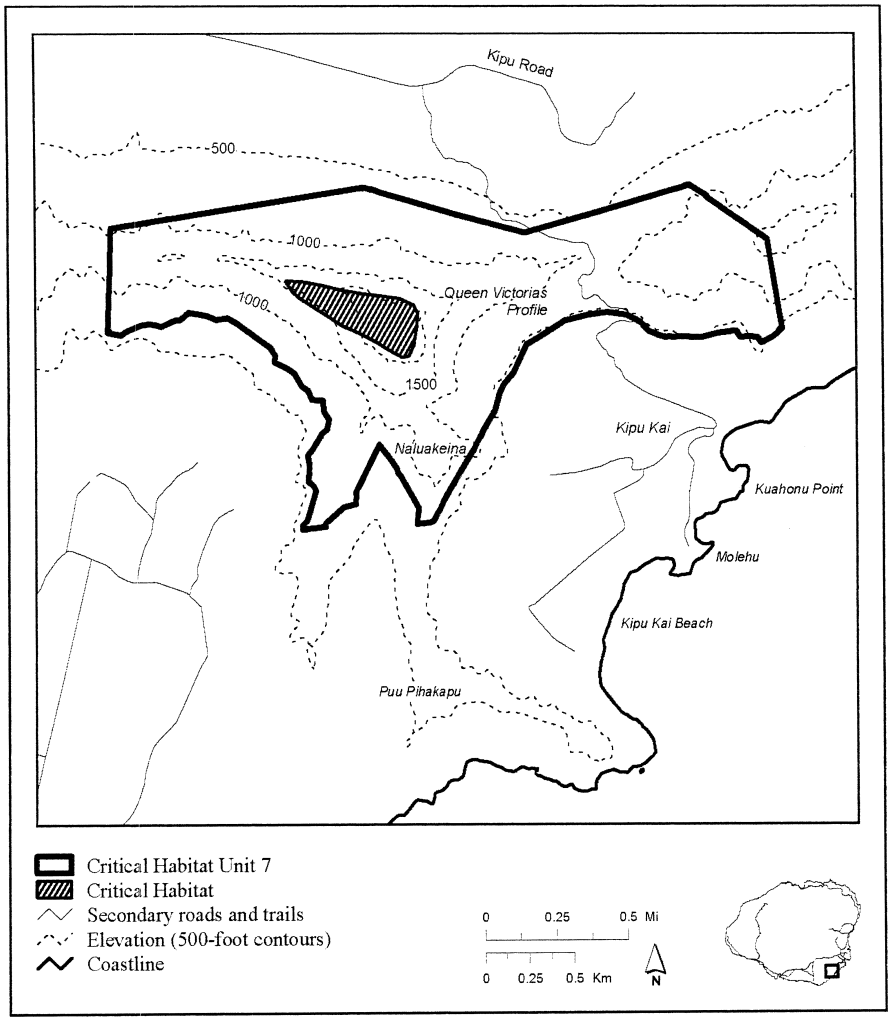
2424827; 458671, 2424648; 458429, 2424488; 458620, 2424409; 458620, 2424409; 457920, 2424829; 458513, 2424437; 458579, 2424401; 458340, 2424534; 458241, 2424577; 458160, 2424631; 458068, 2424690; 458000, 2424733; 457959, 2424769. This unit is also critical habitat for Kauai 7–*Chamaesyce eleanoriae*–a, Kauai 7–*Chamaesyce remyi* var. *remyi*–b, Kauai 7–*Charpentiera densiflora*–a, Kauai 7–*Doryopteris angelica*–a, Kauai 7–*Dubautia kenwoodii*–a, Kauai 7–*Labordia helleri*–a, Kauai 7–*Pittosporum napaliense*–a, Kauai 7–*Platydesma rostrata*–b, Kauai 7–*Psychotria hobdyi*–a, and Kauai 7–*Tetraplasandra bisattenuata*–a (see paragraphs (a)(1)(xxxv), (a)(1)(xxxvi), (a)(1)(xxxvii), (a)(1)(xxxix), (a)(1)(xl), (a)(1)(xlii), (a)(1)(xlviii), (a)(1)(xlix), (a)(1)(l), and (a)(1)(liii), respectively, of this section).

(B) Note: Map 23a follows:

Map 23a

Kauai 7–*Canavalia napaliensis*–a, Kauai 7–*Chamaesyce eleanoriae*–a, Kauai 7–*Chamaesyce remyi* var. *remyi*–b, Kauai 7–*Charpentiera densiflora*–a, Kauai 7–*Doryopteris angelica*–a, Kauai 7–*Dubautia kenwoodii*–a, Kauai 7–*Labordia helleri*–a, Kauai 7–*Pittosporum napaliense*–a, Kauai 7–*Platydesma rostrata*–b, Kauai 7–*Psychotria hobdyi*–a, Kauai 7–*Tetraplasandra bisattenuata*–a

Lowland Mesic



(xxxv) Kauai 7–*Chamaesyce eleanoriae*–a

(A) See paragraph (a)(1)(xxxiv)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(xxxiv)(B) of this section for the map of this unit.

(xxxvi) Kauai 7–*Chamaesyce remyi* var. *remyi*–b

(A) See paragraph (a)(1)(xxxiv)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(xxxiv)(B) of this section for the map of this unit.

(xxxvii) Kauai 7–*Charpentiera densiflora*–a

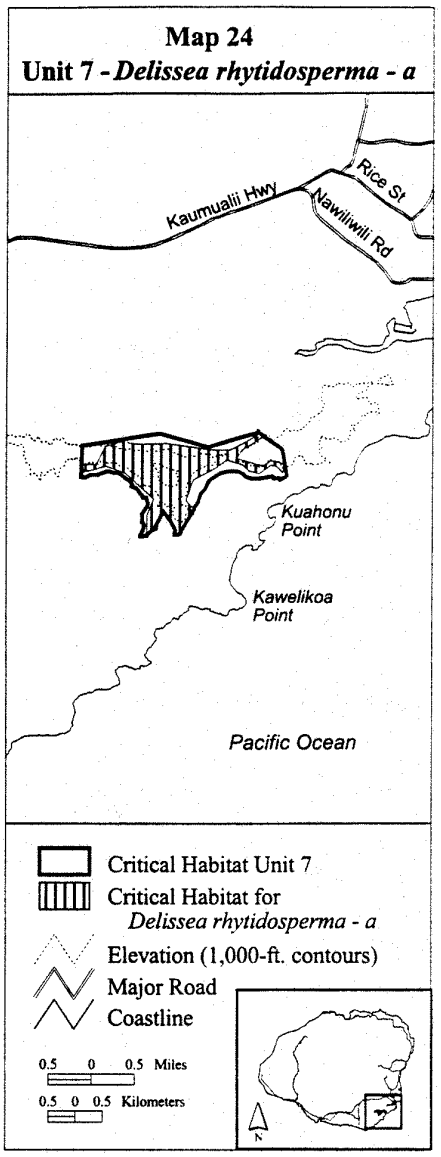
(A) See paragraph (a)(1)(xxxiv)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(xxxiv)(B) of this section for the map of this unit.

(xxxviii) Kauai 7—*Delissea rhytidosperma*—a (221 ha; 545 ac)

(A) Unit consists of the following 53 boundary points: Start at 457776, 2425183; 457996, 2425162; 458503, 2425167; 459357, 2425044; 459695, 2425039; 459982, 2425193; 460156, 2425290; 460184, 2425357; 460210, 2425363; 460315, 2425300; 460202, 2425218; 460110, 2425157; 459890, 2425029; 459823, 2424886; 460294, 2424732; 460443, 2424844; 460683, 2424773; 460693, 2424691; 460663, 2424614; 460555, 2424732; 460443, 2424757; 460228, 2424599; 460038, 2424650; 459920, 2424768; 459634, 2424845; 459393, 2424691; 459009, 2424491; 458866, 2424113; 458958, 2423990; 459032, 2423977; 458955, 2423865; 458897, 2423775; 458840, 2423683; 458785, 2423540; 458756, 2423487; 458737, 2423478; 458661, 2423469; 458671, 2423560; 458523, 2423816; 458446, 2423913; 458293, 2423606; 458134, 2423468; 458139, 2423836; 458267, 2424138; 457955, 2424420; 457735, 2424620; 457371, 2424748; 457156, 2424676; 456952, 2424640; 456931, 2424789; 457197, 2424778; 457361, 2425116; 457765, 2425229; return to starting point.

(B) NOTE: Map 24 follows:



(xxxix) Kauai 7–*Doryopteris angelica*–a

(A) See paragraph (a)(1)(xxxiv)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(xxxiv)(B) of this section for the map of this unit.

(xl) Kauai 7–*Dubautia kenwoodii*–a

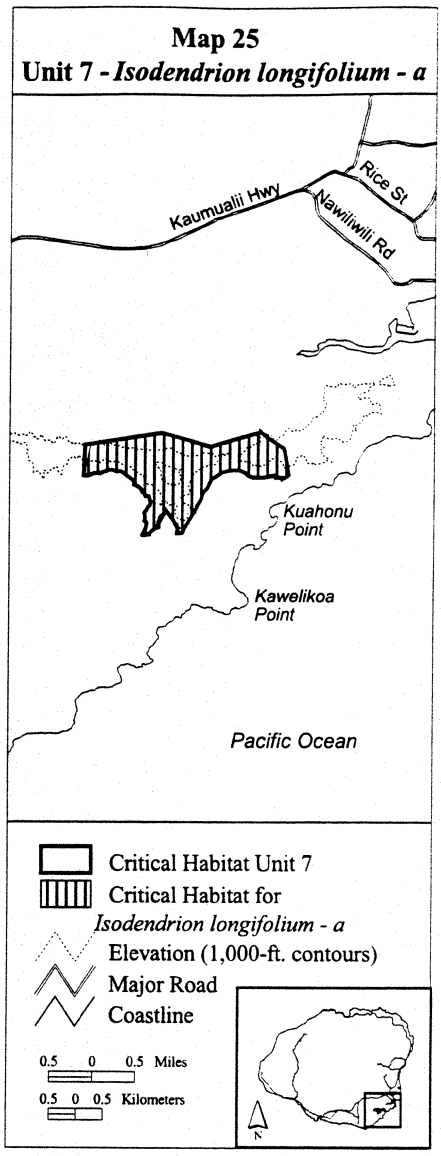
(A) See paragraph (a)(1)(xxxiv)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(xxxiv)(B) of this section for the map of this unit.

(xli) Kauai 7—*Isodendrion longifolium*—a (337 ha; 833 ac)

(A) Unit consists of the following 127 boundary points: Start at 456913, 2424541; 457040, 2425134; 457651, 2425234; 458371, 2425346; 459277, 2425049; 460211, 2425364; 460651, 2425063; 460662, 2424997; 460736, 2424562; 460732, 2424559; 460721, 2424548; 460705, 2424534; 460602, 2424507; 460593, 2424514; 460496, 2424516; 460475, 2424550; 460373, 2424536; 460281, 2424513; 460213, 2424515; 460213, 2424515; 460213, 2424515; 460209, 2424517; 460185, 2424518; 460184, 2424516; 460184, 2424516; 460184, 2424516; 460169, 2424516; 460068, 2424515; 459976, 2424546; 459929, 2424597; 459855, 2424638; 459740, 2424652; 459629, 2424638; 459499, 2424606; 459384, 2424532; 459286, 2424472; 459212, 2424315; 459157, 2424250; 459134, 2424204; 459105, 2424102; 459085, 2424072; 459037, 2423991; 458982, 2423888; 458939, 2423815; 458890, 2423741; 458869, 2423724; 458842, 2423663; 458811, 2423619; 458777, 2423544; 458741, 2423531; 458744, 2423558; 458688, 2423585; 458658, 2423661; 458631, 2423661; 458551, 2423758; 458541, 2423798; 458512, 2423871; 458445, 2423921; 458405, 2423884; 458382, 2423834; 458335, 2423824; 458305, 2423771; 458295, 2423728; 458279, 2423668; 458315, 2423638; 458312, 2423581; 458199, 2423551; 458142, 2423478; 458142, 2423455; 458117, 2423452; 458106, 2423450; 458058, 2423560; 458086, 2423655; 458073, 2423681; 458043, 2423708; 458049, 2423751; 458049, 2423808; 458039, 2423854; 458066, 2423887; 458092, 2423928; 458096, 2423934; 458119, 2423970; 458122, 2423978; 458149, 2423997; 458162, 2424054; 458136, 2424097; 458136, 2424099; 458133, 2424118; 458126, 2424160; 458066, 2424167; 458043, 2424217; 458009, 2424240; 457966, 2424313; 457930, 2424340; 457853, 2424376; 457860, 2424406; 457833, 2424456; 457640, 2424596; 457594, 2424622; 457527, 2424612; 457504, 2424622; 457474, 2424636; 457421, 2424646; 457371, 2424652; 457358, 2424642; 457321, 2424612; 457298, 2424612; 457252, 2424591; 457238, 2424585; 457218, 2424576; 457204, 2424580; 457203, 2424580; 457195, 2424582; 457148, 2424589; 457099, 2424582; 457036, 2424556; 457019, 2424549; 456995, 2424533; 456994, 2424532; 456986, 2424527; 456979, 2424529; 456977, 2424529; 456926, 2424539; 456919, 2424552; 456919, 2424552; 456919, 2424552; 456917, 2424541; return to starting point.

(B) NOTE: Map 25 follows:



(xlii) Kauai 7–*Labordia helleri*–a

(A) See paragraph (a)(1)(xxxiv)(A) of this section for the textual description of this unit.

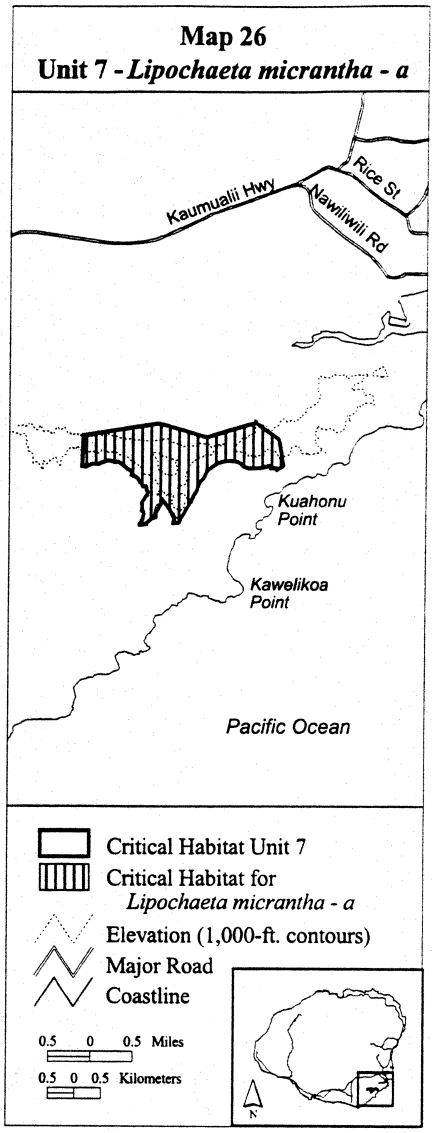
(B) See paragraph (a)(1)(xxxiv)(B) of this section for the map of this unit.

(xliii) Kauai 7—*Lipochaeta micrantha*—a (341 ha; 842 ac)

(A) Unit consists of the following 125 boundary points: Start at 456916,

2424553; 456952, 2425094; 458386, 2425333; 459277, 2425098; 459948, 2425284; 460206, 2425358; 460327, 2425282; 460590, 2425104; 460617, 2425086; 460649, 2425064; 460662, 2424997; 460736, 2424562; 460732, 2424559; 460721, 2424548; 460705, 2424534; 460688, 2424518; 460619, 2424484; 460594, 2424518; 460497, 2424515; 460475, 2424550; 460373, 2424536; 460281, 2424513; 460213, 2424515; 460209, 2424517; 460185, 2424518; 460184, 2424516; 460178, 2424516; 460073, 2424516; 459976, 2424546; 459929, 2424597; 459855, 2424638; 459740, 2424652; 459629, 2424638; 459499, 2424606; 459384, 2424532; 459286, 2424472; 459212, 2424315; 459157, 2424250; 459134, 2424204; 459105, 2424102; 459085, 2424072; 459037, 2423991; 458985, 2423890; 458939, 2423815; 458892, 2423732; 458852, 2423677; 458849, 2423670; 458825, 2423622; 458784, 2423557; 458741, 2423531; 458744, 2423558; 458688, 2423585; 458658, 2423661; 458631, 2423661; 458551, 2423758; 458541, 2423798; 458512, 2423871; 458445, 2423921; 458405, 2423884; 458382, 2423834; 458335, 2423824; 458305, 2423771; 458295, 2423728; 458279, 2423668; 458315, 2423638; 458312, 2423581; 458199, 2423551; 458142, 2423478; 458142, 2423455; 458117, 2423452; 458106, 2423450; 458074, 2423446; 458031, 2423441; 458021, 2423472; 458036, 2423485; 458058, 2423560; 458086, 2423655; 458073, 2423681; 458043, 2423708; 458049, 2423751; 458049, 2423808; 458039, 2423854; 458066, 2423887; 458092, 2423928; 458096, 2423934; 458119, 2423970; 458122, 2423978; 458149, 2423997; 458162, 2424054; 458136, 2424097; 458136, 2424099; 458133, 2424118; 458126, 2424160; 458066, 2424167; 458043, 2424217; 458009, 2424240; 457966, 2424313; 457930, 2424340; 457853, 2424376; 457860, 2424406; 457833, 2424456; 457640, 2424596; 457594, 2424622; 457527, 2424612; 457504, 2424622; 457474, 2424636; 457421, 2424646; 457371, 2424652; 457358, 2424642; 457321, 2424612; 457298, 2424612; 457252, 2424591; 457238, 2424585; 457218, 2424576; 457204, 2424580; 457203, 2424580; 457195, 2424582; 457148, 2424589; 457099, 2424582; 457036, 2424556; 457019, 2424549; 456995, 2424533; 456919, 2424552; 456919, 2424552; return to starting point.

(B) NOTE: Map 26 follows:

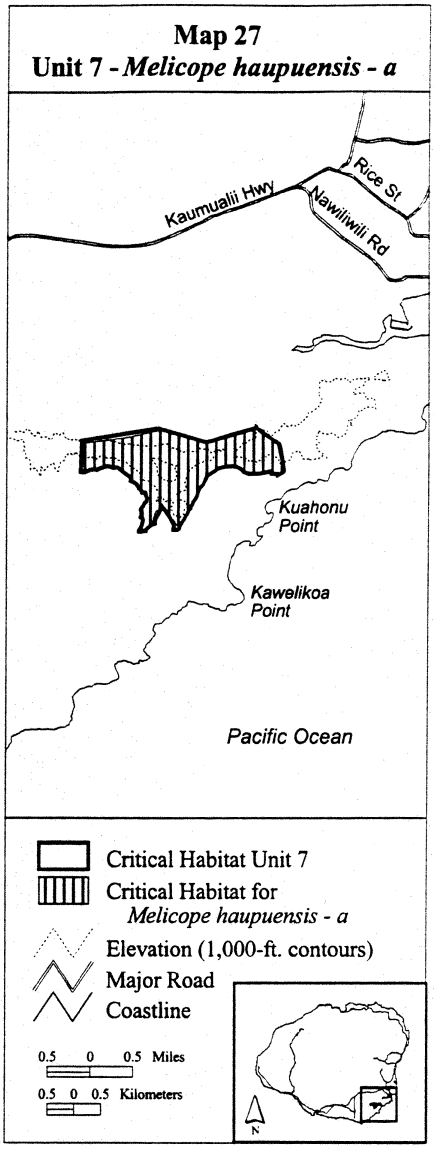


(xliv) Kauai 7—*Melicope haupuensis*—a (330 ha; 816 ac)

(A) Unit consists of the following 115 boundary points: Start at 456977, 2424529; 456957, 2425070; 457830, 2425189; 458432, 2425322; 458875, 2425201; 459283, 2425089; 459699, 2425210; 459897, 2425266; 460048, 2425310; 460143, 2425340; 460188, 2425357; 460207, 2425364; 460327, 2425282; 460590, 2425104; 460615, 2425036; 460721, 2424548; 460705, 2424534; 460688, 2424518;

460617, 2424483; 460594, 2424517; 460497, 2424515; 460475, 2424550; 460373, 2424536; 460284, 2424515; 460212, 2424516; 460209, 2424517; 460185, 2424518; 460184, 2424516; 460179, 2424516; 460114, 2424515; 460051, 2424519; 460009, 2424534; 459976, 2424546; 459929, 2424597; 459855, 2424638; 459740, 2424652; 459629, 2424638; 459499, 2424606; 459384, 2424532; 459286, 2424472; 459212, 2424315; 459157, 2424250; 459134, 2424204; 459105, 2424102; 459085, 2424072; 459037, 2423991; 458972, 2423889; 458939, 2423815; 458892, 2423732; 458845, 2423670; 458816, 2423623; 458792, 2423564; 458741, 2423531; 458744, 2423558; 458688, 2423585; 458658, 2423661; 458631, 2423661; 458551, 2423758; 458541, 2423798; 458512, 2423871; 458445, 2423921; 458405, 2423884; 458382, 2423834; 458335, 2423824; 458305, 2423771; 458295, 2423728; 458279, 2423668; 458315, 2423638; 458312, 2423581; 458199, 2423551; 458142, 2423478; 458142, 2423455; 458117, 2423452; 458106, 2423450; 458074, 2423446; 458042, 2423453; 458091, 2423660; 458086, 2423872; 458096, 2423934; 458119, 2423970; 458122, 2423978; 458149, 2423997; 458162, 2424054; 458136, 2424097; 458136, 2424099; 458133, 2424118; 458126, 2424160; 458066, 2424167; 458043, 2424217; 458009, 2424240; 457966, 2424313; 457930, 2424340; 457853, 2424376; 457860, 2424406; 457833, 2424456; 457640, 2424596; 457594, 2424622; 457527, 2424612; 457504, 2424622; 457474, 2424636; 457421, 2424646; 457371, 2424652; 457358, 2424642; 457321, 2424612; 457298, 2424612; 457252, 2424591; 457203, 2424580; 457195, 2424582; 457148, 2424589; 457099, 2424582; 457036, 2424556; 457019, 2424549; 456995, 2424533; 456994, 2424532; 456979, 2424529; return to starting point.

(B) NOTE: Map 27 follows:

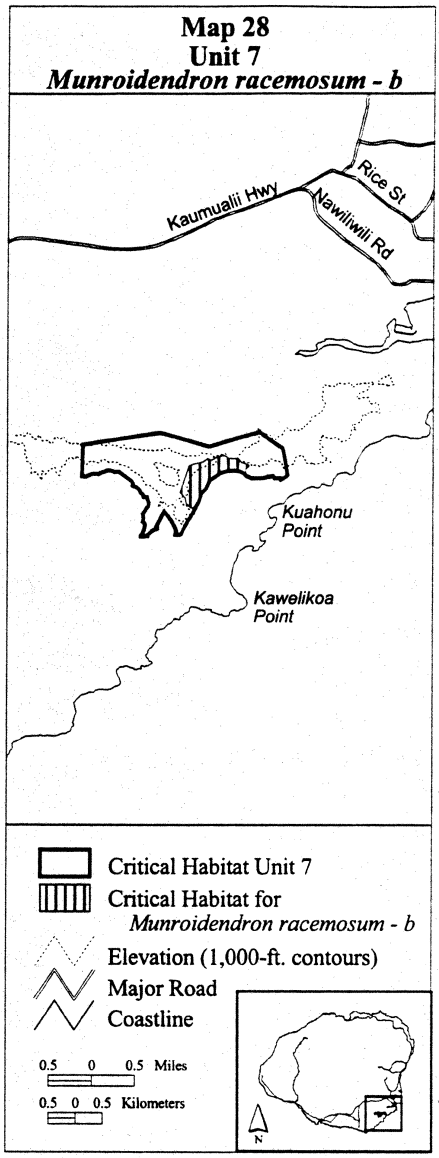


(xlv) Kauai 7—*Munroidendron racemosum*—b (50 ha; 123 ac)

(A) Unit consists of the following 42 boundary points: Start at 460171, 2424516; 460070, 2424515; 459976, 2424546; 459929, 2424597; 459855, 2424638; 459740, 2424652; 459629, 2424638; 459499, 2424606; 459384, 2424532; 459286, 2424472; 459212, 2424315; 459157, 2424250; 459134, 2424204; 459105, 2424102; 459085, 2424072; 459037,

2423991; 459025, 2423961; 458943, 2423966; 458866, 2424034; 458846, 2424063; 458831, 2424156; 458744, 2424248; 458909, 2424734; 459045, 2424788; 459167, 2424803; 459201, 2424827; 459259, 2424875; 459327, 2424841; 459405, 2424890; 459507, 2424919; 459585, 2424919; 459643, 2424880; 459721, 2424875; 459838, 2424870; 459882, 2424802; 459964, 2424778; 460013, 2424759; 460023, 2424725; 459959, 2424666; 459964, 2424593; 460081, 2424530; 460149, 2424530; return to starting point.

(B) NOTE: Map 28 follows:

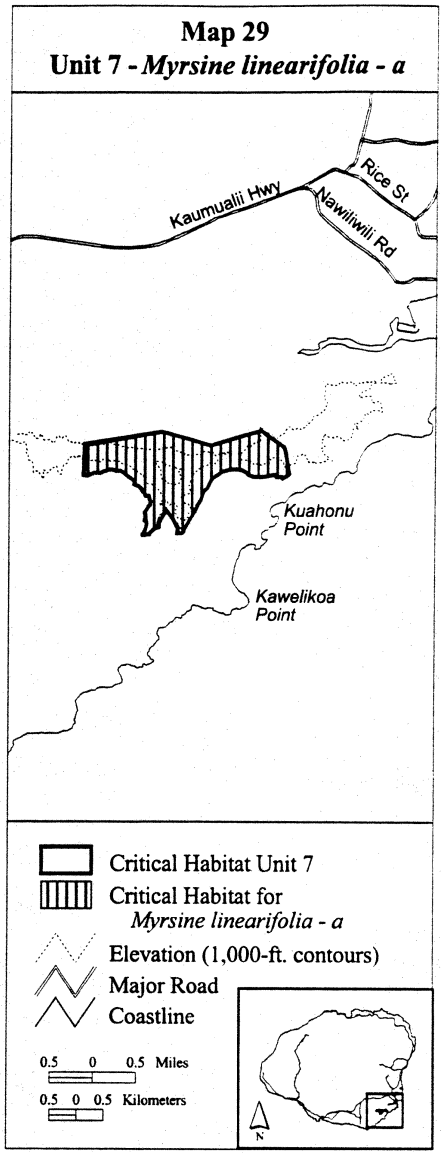


(xlvi) Kauai 7—*Myrsine linearifolia*—a (334 ha; 826 ac)

(A) Unit consists of the following 109 boundary points: Start at 460009, 2424534; 459976, 2424546; 459929, 2424597; 459855, 2424638; 459740, 2424652; 459629, 2424638; 459499, 2424606; 459384, 2424532; 459286, 2424472; 459212, 2424315; 459157, 2424250; 459134, 2424204; 459105, 2424102; 459085, 2424072; 459037, 2423991; 458985,

2423890; 458939, 2423815; 458893, 2423731; 458860, 2423681; 458827, 2423624; 458787, 2423540; 458741, 2423531; 458744, 2423558; 458688, 2423585; 458658, 2423661; 458631, 2423661; 458551, 2423758; 458541, 2423798; 458512, 2423871; 458445, 2423921; 458405, 2423884; 458382, 2423834; 458335, 2423824; 458305, 2423771; 458295, 2423728; 458279, 2423668; 458315, 2423638; 458312, 2423581; 458199, 2423551; 458142, 2423478; 458142, 2423455; 458117, 2423452; 458056, 2423466; 458103, 2423665; 458082, 2423889; 458092, 2423928; 458096, 2423934; 458119, 2423970; 458122, 2423978; 458149, 2423997; 458162, 2424054; 458136, 2424097; 458136, 2424099; 458139, 2424114; 458133, 2424118; 458126, 2424160; 458066, 2424167; 458043, 2424217; 458009, 2424240; 457966, 2424313; 457930, 2424340; 457853, 2424376; 457860, 2424406; 457833, 2424456; 457640, 2424596; 457594, 2424622; 457527, 2424612; 457504, 2424622; 457474, 2424636; 457421, 2424646; 457371, 2424652; 457358, 2424642; 457321, 2424612; 457298, 2424612; 457252, 2424591; 457238, 2424585; 457204, 2424580; 457203, 2424580; 457195, 2424582; 457148, 2424589; 457099, 2424582; 457036, 2424556; 456975, 2424548; 456943, 2425070; 458384, 2425331; 459271, 2425086; 459894, 2425257; 460207, 2425364; 460327, 2425282; 460590, 2425104; 460617, 2425086; 460732, 2424559; 460721, 2424548; 460705, 2424534; 460688, 2424518; 460619, 2424484; 460594, 2424517; 460594, 2424517; 460495, 2424517; 460475, 2424550; 460373, 2424536; 460281, 2424513; 460213, 2424515; 460209, 2424517; 460185, 2424518; 460184, 2424516; 460176, 2424516; 460170, 2424523; 460118, 2424515; return to starting point.

(B) NOTE: Map 29 follows:

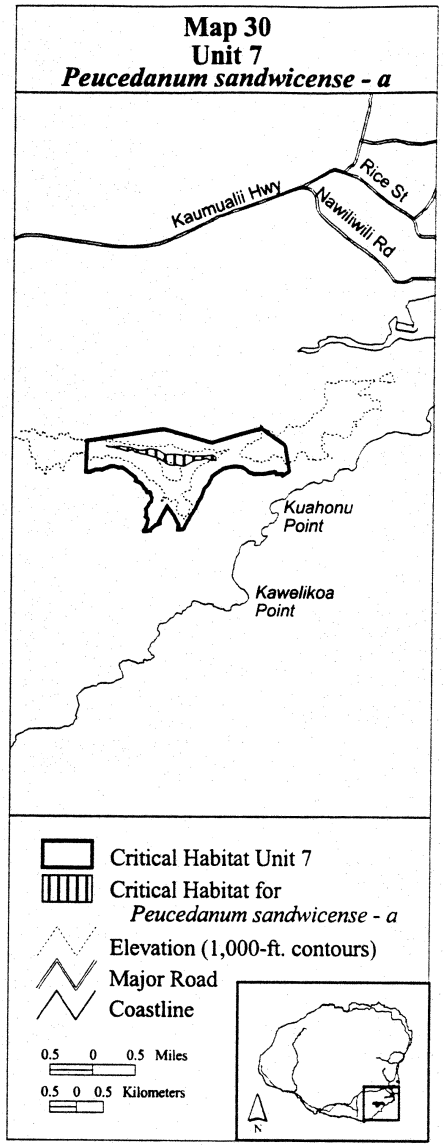


(xlvii) Kauai 7—*Peucedanum sandwicense*—a (21 ha; 52 ac)

(A) Unit consists of the following 53 boundary points: Start at 457285, 2425044; 457378, 2425011; 457470, 2425024; 457559, 2425031; 457622, 2425008; 457671, 2425005; 457727, 2425005; 457806, 2424982; 457869, 2424952; 457961, 2424945; 458037, 2424958; 458110, 2424972; 458258, 2424958; 458301, 2424932; 458367, 2424889; 458417,

2424863; 458479, 2424866; 458568, 2424873; 458618, 2424876; 458680, 2424859; 458726, 2424853; 458789, 2424859; 458845, 2424853; 458888, 2424836; 458971, 2424836; 459043, 2424836; 459126, 2424836; 459182, 2424836; 459231, 2424853; 459304, 2424859; 459350, 2424823; 459353, 2424790; 459310, 2424764; 459251, 2424767; 459182, 2424797; 459060, 2424764; 458987, 2424764; 458888, 2424724; 458816, 2424681; 458756, 2424648; 458644, 2424671; 458499, 2424675; 458420, 2424698; 458360, 2424751; 458248, 2424803; 458050, 2424863; 457830, 2424909; 457787, 2424955; 457721, 2424949; 457691, 2424925; 457599, 2424958; 457421, 2425001; 457338, 2425005; return to starting point.

(B) NOTE: Map 30 follows:



(xlviii) Kauai 7–*Pittosporum napaliense*–a

(A) See paragraph (a)(1)(xxxiv)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(xxxiv)(B) of this section for the map of this unit.

(xlix) Kauai 7–*Platydesma rostrata*–b

(A) See paragraph (a)(1)(xxxiv)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(xxxiv)(B) of this section for the map of this unit.

(l) Kauai 7–*Psychotria hobdyi*–a

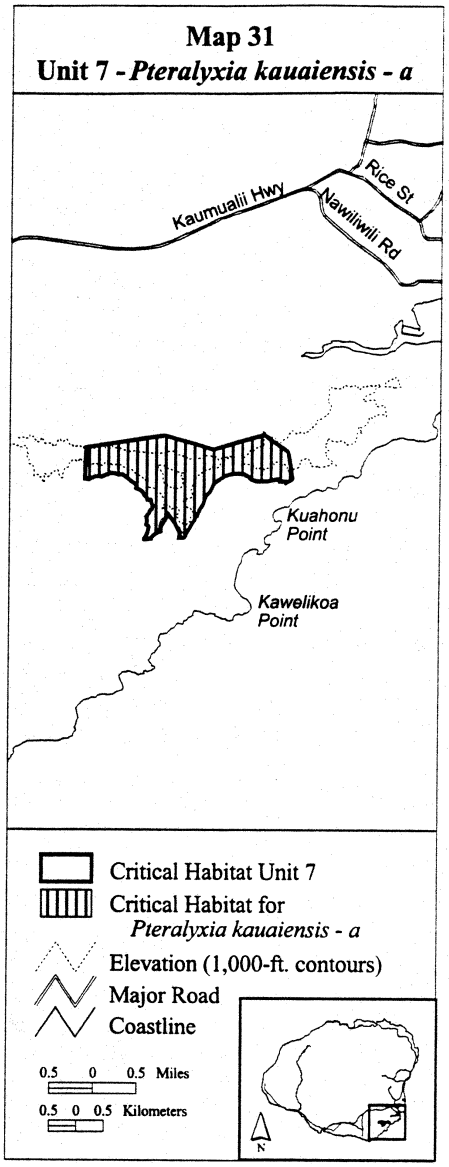
(A) See paragraph (a)(1)(xxxiv)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(xxxiv)(B) of this section for the map of this unit.

(li) Kauai 7—*Pteralyxia kauaiensis*—a (346 ha; 854 ac)

(A) Unit consists of the following 149 boundary points: Start at 460212, 2424515; 460204, 2424515; 460183, 2424515; 460180, 2424516; 460074, 2424516; 460073, 2424516; 460066, 2424516; 460017, 2424532; 460009, 2424534; 459976, 2424546; 459929, 2424597; 459855, 2424638; 459740, 2424652; 459629, 2424638; 459499, 2424606; 459384, 2424532; 459286, 2424472; 459212, 2424315; 459157, 2424250; 459134, 2424204; 459105, 2424102; 459085, 2424072; 459037, 2423991; 458985, 2423890; 458939, 2423815; 458894, 2423737; 458893, 2423735; 458892, 2423732; 458890, 2423730; 458851, 2423668; 458827, 2423621; 458787, 2423543; 458741, 2423531; 458744, 2423558; 458688, 2423585; 458658, 2423661; 458631, 2423661; 458551, 2423758; 458541, 2423798; 458512, 2423871; 458445, 2423921; 458405, 2423884; 458382, 2423834; 458335, 2423824; 458305, 2423771; 458295, 2423728; 458279, 2423668; 458315, 2423638; 458312, 2423581; 458199, 2423551; 458142, 2423478; 458142, 2423455; 458117, 2423452; 458106, 2423450; 458074, 2423446; 458031, 2423441; 458029, 2423440; 458011, 2423438; 458009, 2423462; 458021, 2423472; 458021, 2423472; 458036, 2423485; 458058, 2423560; 458086, 2423655; 458073, 2423681; 458043, 2423708; 458049, 2423751; 458049, 2423808; 458039, 2423854; 458066, 2423887; 458092, 2423928; 458096, 2423934; 458119, 2423970; 458122, 2423978; 458149, 2423997; 458162, 2424054; 458136, 2424097; 458136, 2424099; 458133, 2424118; 458126, 2424160; 458066, 2424167; 458043, 2424217; 458009, 2424240; 457966, 2424313; 457930, 2424340; 457853, 2424376; 457860, 2424406; 457833, 2424456; 457640, 2424596; 457594, 2424622; 457527, 2424612; 457504, 2424622; 457474, 2424636; 457421, 2424646; 457371, 2424652; 457358, 2424642; 457321, 2424612; 457298, 2424612; 457252, 2424591; 457238, 2424585; 457218, 2424576; 457204, 2424580; 457203, 2424580; 457195, 2424582; 457148, 2424589; 457099, 2424582; 457036, 2424556; 457019, 2424549; 456995, 2424533; 456994, 2424532; 456986, 2424527; 456979, 2424529; 456977, 2424529; 456926, 2424539; 456919, 2424552; 456919, 2424552; 456919, 2424552; 456917, 2424541; 456913, 2424541; 456912, 2424542; 456911, 2424542; 456922, 2424860; 456931, 2425122; 456931, 2425122; 458355, 2425346; 458360, 2425344; 458369, 2425346; 458371, 2425346; 458372, 2425346; 459274, 2425092; 460209, 2425362; 460217, 2425356; 460218, 2425356; 460651, 2425063; 460662, 2424997; 460736, 2424562; 460732, 2424559; 460721, 2424548; 460705, 2424534; 460688, 2424518; 460619, 2424484; 460596, 2424515; 460497, 2424515; 460495, 2424517; 460495, 2424517; 460475, 2424550; 460373, 2424536; 460281, 2424513; 460214, 2424515; return to starting point.

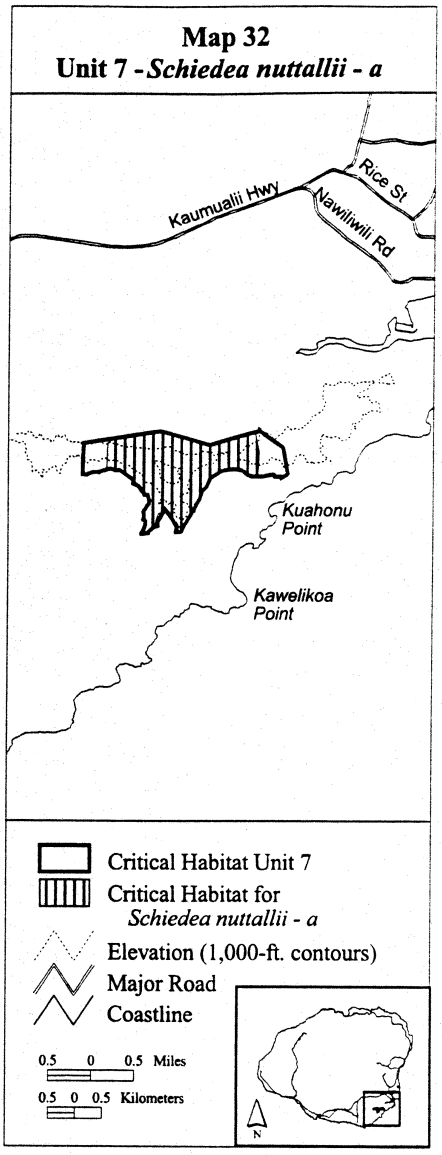
(B) NOTE: Map 31 follows:



(lii) Kauai 7—*Schiedea nuttallii*—a (282 ha; 697 ac)

(A) Unit consists of the following 93 boundary points: Start at 460009, 2424534; 459976, 2424546; 459929, 2424597; 459855, 2424638; 459740, 2424652; 459629, 2424638; 459499, 2424606; 459384, 2424532; 459286, 2424472; 459212, 2424315; 459157, 2424250; 459134, 2424204; 459105, 2424102; 459085, 2424072; 459037, 2423991; 458985, 2423890; 458939, 2423815; 458893, 2423731; 458860, 2423681; 458827, 2423624; 458787, 2423540; 458741, 2423531; 458744, 2423558; 458688, 2423585; 458658, 2423661; 458631, 2423661; 458551, 2423758; 458541, 2423798; 458512, 2423871; 458445, 2423921; 458405, 2423884; 458382, 2423834; 458335, 2423824; 458305, 2423771; 458295, 2423728; 458279, 2423668; 458315, 2423638; 458312, 2423581; 458199, 2423551; 458142, 2423478; 458142, 2423455; 458117, 2423452; 458106, 2423450; 458074, 2423446; 458031, 2423441; 458029, 2423440; 458021, 2423472; 458036, 2423485; 458058, 2423560; 458086, 2423655; 458073, 2423681; 458043, 2423708; 458049, 2423751; 458049, 2423808; 458039, 2423854; 458066, 2423887; 458092, 2423928; 458096, 2423934; 458119, 2423970; 458122, 2423978; 458149, 2423997; 458162, 2424054; 458136, 2424097; 458136, 2424099; 458133, 2424118; 458126, 2424160; 458066, 2424167; 458043, 2424217; 458009, 2424240; 457966, 2424313; 457930, 2424340; 457853, 2424376; 457860, 2424406; 457833, 2424456; 457640, 2424596; 457594, 2424622; 457527, 2424612; 457504, 2424622; 457474, 2424636; 457421, 2424646; 457371, 2424652; 457358, 2424642; 457377, 2425117; 457456, 2425204; 457651, 2425234; 458369, 2425346; 459306, 2425071; 460130, 2425340; 460207, 2424964; 460176, 2424516; 460170, 2424523; 460118, 2424515; 460074, 2424516; return to starting point.

(B) NOTE: Map 32 follows:



(liii) Kauai 7–*Tetraplasandra bisattenuata*–a

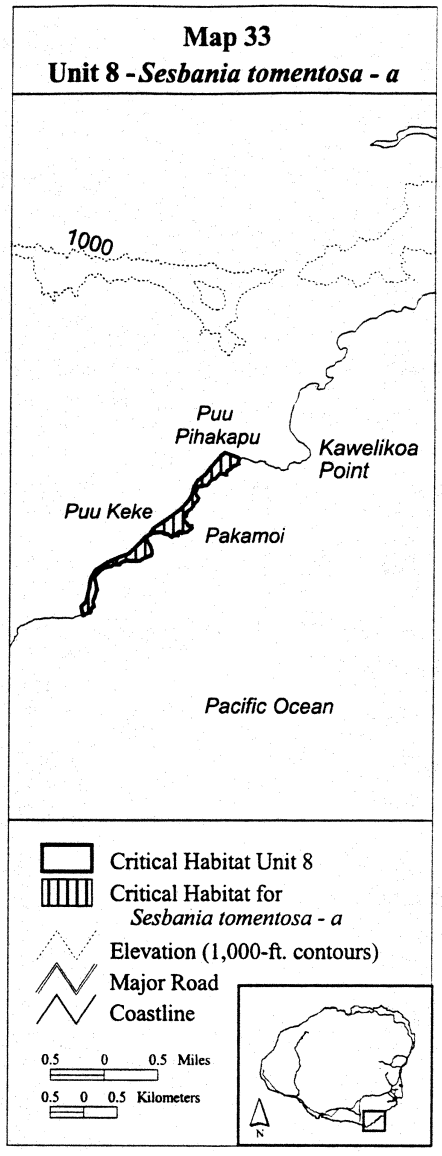
(A) See paragraph (a)(1)(xxxiv)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(xxxiv)(B) of this section for the map of this unit.

(liv) Kauai 8—*Sesbania tomentosa*—a (47 ha; 117 ac)

(A) Unit consists of the following 26 boundary points: coastline; 458938, 2422136; 456613, 2419801; 456582, 2419934; 456653, 2420011; 456705, 2420236; 456722, 2420354; 456790, 2420479; 456952, 2420581; 457154, 2420676; 457284, 2420717; 457481, 2420921; 457534, 2420977; 457598, 2421003; 457649, 2421080; 457665, 2421106; 457862, 2421239; 458083, 2421412; 458182, 2421516; 458226, 2421605; 458262, 2421722; 458324, 2421821; 458434, 2421911; 458499, 2422001; 458665, 2422178; 458720, 2422231; 458912, 2422161; coastline.

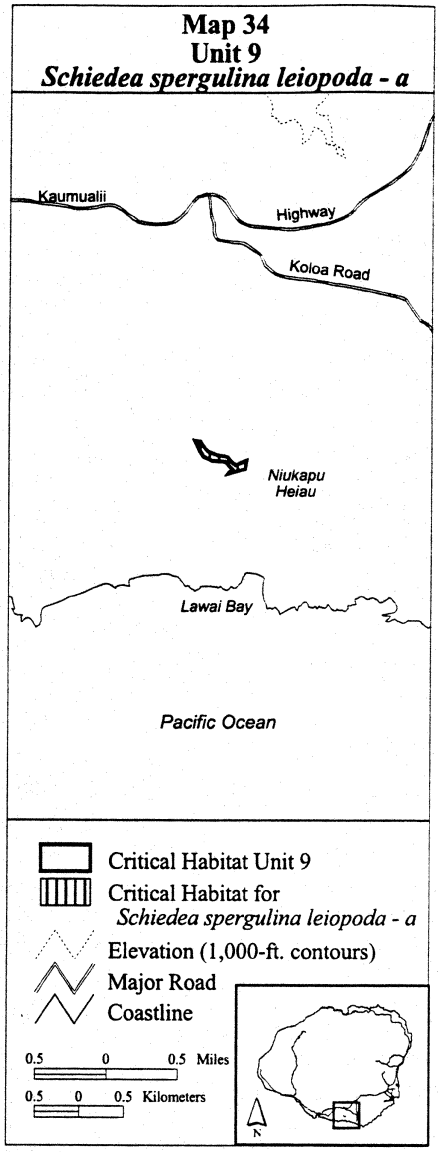
(B) NOTE: Map 33 follows:



(lv) Kauai 9—*Schiedea spergulina* var. *leiopoda*—a (5 ha; 11 ac)

(A) Unit consists of the following 23 boundary points: Start at 447953, 2421713; 447951, 2421694; 447757, 2421647; 447804, 2421699; 447721, 2421781; 447613, 2421788; 447569, 2421791; 447544, 2421803; 447473, 2421836; 447445, 2421889; 447380, 2422014; 447420, 2422010; 447443, 2422008; 447482, 2421943; 447527, 2421894; 447574, 2421872; 447636, 2421848; 447702, 2421846; 447752, 2421830; 447806, 2421767; 447843, 2421739; 447843, 2421739; 447961, 2421793; return to starting point.

(B) NOTE: Map 34 follows:

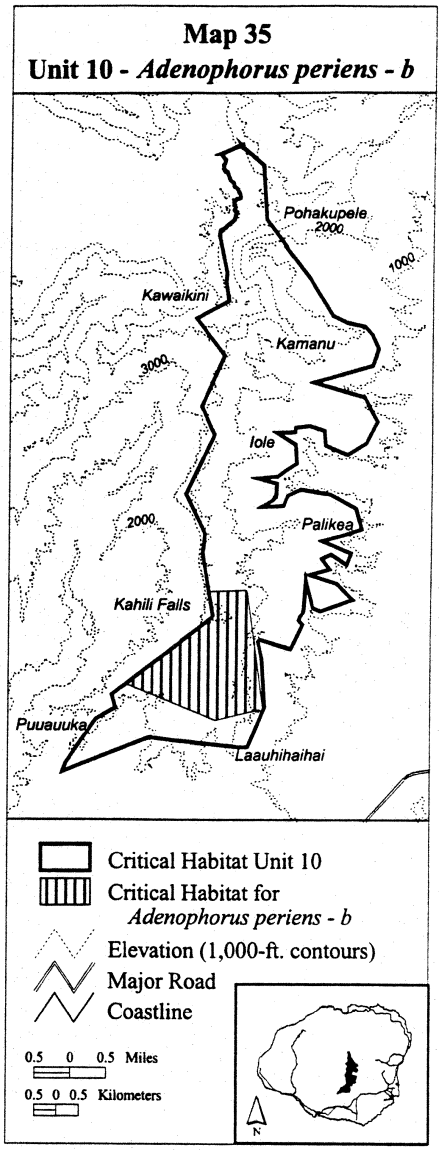


(lvi) Kauai 10—*Adenophorus periens*—b (491 ha; 1,215 ac)

(A) Unit consists of the following 13 boundary points: Start at 448417, 2432669; 449262, 2432700; 449291, 2432590;

449659, 2430034; 449634, 2429983; 449569, 2430034; 448593, 2429793; 446563, 2430607; 447808, 2431562; 448023, 2431693; 448011, 2431718; 448515, 2432105; 448503, 2432172; return to starting point.

(B) NOTE: Map 35 follows:



(lvii) Kauai 10—*Astelia waialealae*—a

(A) This is a unit of the Montane Wet ecosystem and consists of 99 ac (40 ha). This unit includes land bounded by the following UTM Zone 4, NAD83 coordinates (E, N): 449000, 2441660; 449004, 2441650; 449006, 2441639; 448995, 2441668; 449009, 2441625; 449012, 2441616; 449030, 2441595; 448925, 2441722; 449037, 2441588; 449017, 2441611; 448986, 2441677; 448972, 2441689; 448957, 2441700; 449043, 2441578; 448933, 2441715; 449060, 2441481; 448915, 2441738; 448913, 2441753; 448914, 2441760; 448913, 2441774; 448915, 2441796; 448910, 2441807; 448900, 2441814; 448939, 2441710; 448964, 2441441; 448677, 2442140; 448892, 2441817; 448916, 2441369; 448918, 2441381; 448922, 2441392; 448930, 2441400; 448936, 2441403; 448940, 2441404; 448945, 2441411; 449065, 2441502; 448952, 2441427; 449046, 2441569; 448971, 2441443; 449003, 2441449; 449032, 2441461; 449040, 2441466; 449049, 2441471; 449053, 2441472; 449064, 2441492; 449066, 2441511; 449061, 2441528; 449050, 2441561; 448948, 2441420; 448764, 2442029; 448684, 2442157; 448675, 2442123; 448677, 2442115; 448683, 2442101; 448694, 2442089; 448710, 2442077; 448718, 2442069; 448723, 2442061; 448728, 2442058; 448736, 2442055; 448682, 2442148; 448755, 2442041; 448917, 2441357; 448768, 2442019; 448773, 2442013; 448777, 2442002; 448781, 2441990; 448787, 2441967; 448789, 2441938; 448803, 2441914; 448813, 2441900; 448814, 2441894; 448817, 2441884; 448746, 2442051; 448707, 2442267; 448884, 2441820; 448877, 2441825; 448850, 2441844; 448840, 2441852; 448697, 2442342; 448711, 2442341; 448721, 2442331; 448724, 2442320; 448723, 2442309; 448722, 2442303; 448944, 2441075; 448712, 2442283; 448890, 2441818; 448706, 2442257; 448705, 2442250; 448699, 2442238; 448692, 2442233; 448684, 2442226; 448678, 2442221; 448673, 2442209; 448671, 2442202; 448674, 2442187; 448680, 2442169; 448718, 2442295; 448601, 2440652; 448638, 2440764; 449173, 2441529; 449106, 2441435; 449078, 2441297; 449111, 2441196; 449121, 2441114; 449121, 2441114; 449068, 2441051; 449006, 2441012; 448887, 2440934; 449249, 2441697; 448678, 2440741; 449275, 2441773; 448601, 2440652; 448599, 2440647; 448600, 2440668; 448601, 2440679; 448606, 2440704; 448612, 2440722; 448615, 2440731; 448619, 2440740; 448622, 2440749; 448954, 2441097; 448777, 2440842; 448640, 2442451; 448682, 2442350; 448677, 2442356; 448673, 2442365; 448671, 2442369; 448665, 2442379; 448657, 2442387; 448648, 2442399; 448643, 2442410; 448642, 2442419; 448642, 2442430; 449201, 2441638; 448831, 2441859; 448650, 2440769; 448637, 2442455; 448880, 2442563; 448917, 2442504; 448983, 2442384; 449024, 2442290; 449064, 2442221; 449090, 2442135;

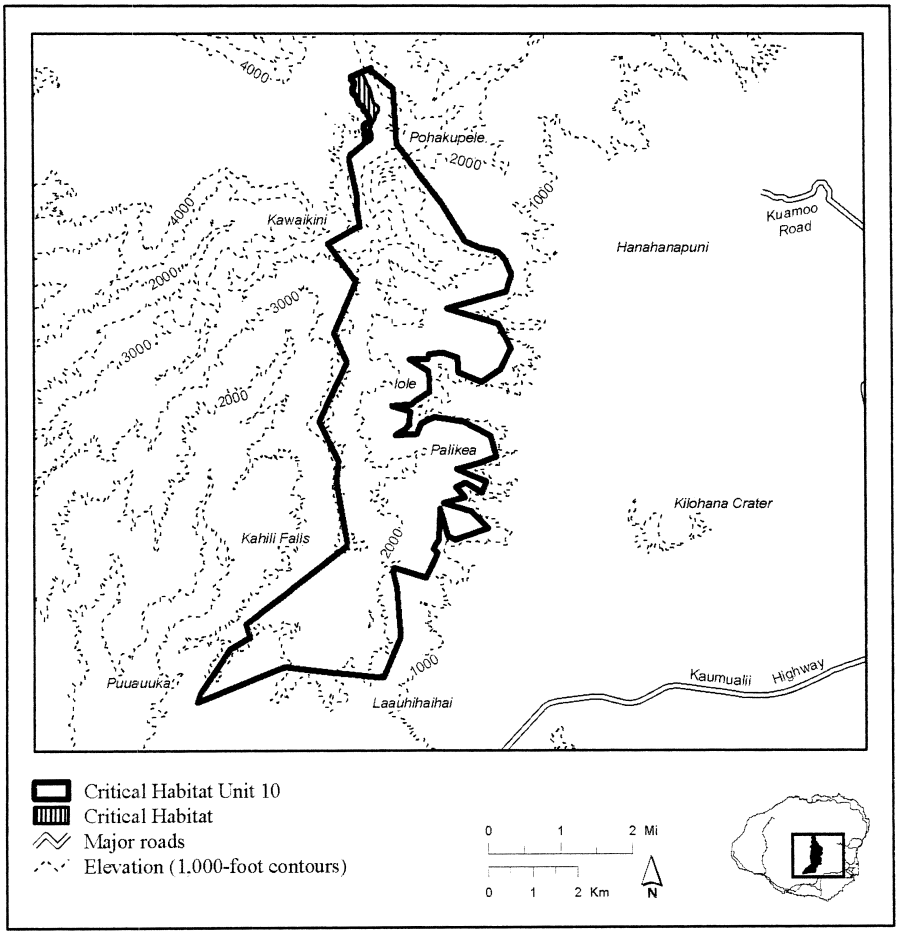
449115, 2442038; 449148, 2441893; 449244, 2441819; 448642, 2442440; 448940, 2441238; 448630, 2440759; 448969, 2441116; 448971, 2441119; 448972, 2441136; 448973, 2441143; 448972, 2441150; 448967, 2441159; 448961, 2441163; 448949, 2441170; 448941, 2441177; 448820, 2441871; 448934, 2441230; 448948, 2441084; 448944, 2441250; 448946, 2441259; 448948, 2441264; 448948, 2441273; 448948, 2441281; 448944, 2441291; 448935, 2441302; 448928, 2441313; 448925, 2441322; 448920, 2441333; 448930, 2441194; 448837, 2440912; 448663, 2440773; 448678, 2440780; 448691, 2440790; 448711, 2440806; 448720, 2440813; 448727, 2440820; 448735, 2440829; 448745, 2440841; 448764, 2440857; 448788, 2440878; 448964, 2441109; 448811, 2440896; 448919, 2441341; 448841, 2440914; 448861, 2440927; 448877, 2440939; 448918, 2440982; 448940, 2441006; 448941, 2441024; 448943, 2441044; 448943, 2441053; 448943, 2441063; 448926, 2441212; 448802, 2440889; 448933, 2441184. This unit is also critical habitat for Kauai 10–*Chamaesyce remyi* var. *remyi*–c, Kauai 10–*Dryopteris crinalis* var. *podosorus*–a, Kauai 10–*Dubautia kalalauensis*–a, Kauai 10–*Dubautia waialealae*–a, Kauai 10–*Geranium kauaiense*–a, Kauai 10–*Keysseria erici*–a, Kauai 10–*Keysseria helenae*–a, Kauai 10–*Labordia helleri*–b, Kauai 10–*Labordia pumila*–a, Kauai 10–*Lysimachia daphnoides*–a, Kauai 10–*Melicope degeneri*–a, Kauai 10–*Melicope puberula*–a, Kauai 10–*Myrsine mezii*–a, Kauai 10–*Phyllostegia renovans*–a, Kauai 10–*Platydesma rostrata*–c, Kauai 10–*Psychotria grandiflora*–a, and Kauai 10–*Tetraplasandra flynnii*–a (see paragraphs (a)(1)(lxi), (a)(1)(lxxvi), (a)(1)(lxxviii), (a)(1)(lxxxi), (a)(1)(lxxxiii), (a)(1)(lxxxvi), (a)(1)(lxxxvii), (a)(1)(lxxxviii), (a)(1)(xci), (a)(1)(xciii), (a)(1)(xcviii), (a)(1)(c), (a)(1)(ciii), (a)(1)(cv), (a)(1)(cviii), (a)(1)(cxi), and (a)(1)(cxv), respectively, of this section).

(B) Note: Map 35a follows:

Map 35a

Kauai 10–*Astelia waialealae*–a, Kauai 10–*Chamaesyce remyi* var. *remyi*–c, Kauai 10–*Dryopteris crinalis* var. *podosorus*–a, Kauai 10–*Dubautia kalalauensis*–a, Kauai 10–*Dubautia waialealae*–a, Kauai 10–*Geranium kauaiense*–a, Kauai 10–*Keysseria erici*–a, Kauai 10–*Keysseria helenae*–a, Kauai 10–*Labordia helleri*–b, Kauai 10–*Labordia pumila*–a, Kauai 10–*Lysimachia daphnoides*–a, Kauai 10–*Melicope degeneri*–a, Kauai 10–*Melicope puberula*–a, Kauai 10–*Myrsine mezii*–a, Kauai 10–*Phyllostegia renovans*–a, Kauai 10–*Platydesma rostrata*–c, Kauai 10–*Psychotria grandiflora*–a, Kauai 10–*Tetraplasandra flynnii*–a

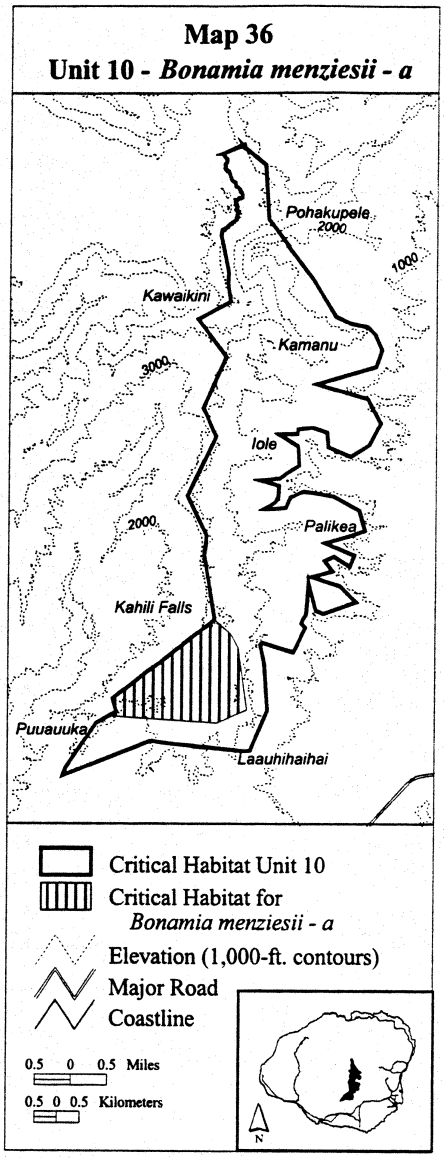
Montane Wet



(lviii) Kauai 10—*Bonamia menziesii*—a (421 ha; 1,039 ac)

(A) Unit consists of the following 8 boundary points: Start at 448513, 2432103; 448882, 2431783; 449031, 2431495; 449240, 2430109; 448586, 2429812; 446148, 2429968; 446327, 2430072; 446237, 2430356; return to starting point.

(B) NOTE: Map 36 follows:



(lix) Kauai 10–*Chamaesyce remyi* var. *kauaiensis*–b

(A) This is a unit of the Lowland Wet ecosystem and consists of 2,330 ac (943 ha). This unit is also critical habitat for Kauai 10–*Chamaesyce remyi* var. *remyi*–d, Kauai 10–*Charpentiera densiflora*–b, Kauai 10–*Cyanea eleeleensis*–a, Kauai 10–*Cyanea kolekoleensis*–a, Kauai 10–*Cyanea kuhihewa*–a, Kauai 10–*Cyrtandra oenobarba*–b, Kauai 10–*Dubautia imbricata* ssp. *imbricata*–a, Kauai 10–*Labordia helleri*–c, Kauai 10–*Melicope paniculata*–a, Kauai 10–*Melicope puberula*–b, Kauai 10–*Phyllostegia renovans*–b, Kauai 10–*Platydesma rostrata*–d, Kauai 10–*Stenogyne kealiae*–a, Kauai 10–*Tetraplasandra bisattenuata*–b, and Kauai 10–*Tetraplasandra flynii*–b, (see paragraphs (a)(1)(lxii), (a)(1)(lxiv), (a)(1)(lxvii), (a)(1)(lxviii), (a)(1)(lxix), (a)(1)(lxxiii), (a)(1)(lxxvii), (a)(1)(lxxxix), (a)(1)(xcix), (a)(1)(ci), (a)(1)(cvi), (a)(1)(cix), (a)(1)(cxiii), (a)(1)(cxiv), and (a)(1)(cxvi), respectively, of this section).

(1) This unit includes land bounded by the following UTM Zone 4, NAD83 coordinates (E, N): 450218, 2439675; 451901, 2438605; 451485, 2438695; 451170, 2438845; 450653, 2439686; 450094, 2440396; 450101, 2440409; 450009, 2440531; 450060, 2439401; 450044, 2439436; 450080, 2439502; 450121, 2439558; 450313, 2437467; 450187, 2439652; 452012, 2438334; 450243, 2439684; 450236, 2439581; 450179, 2439451; 450144, 2439400; 450116, 2439393; 450060, 2439401; 450009, 2440531; 449922, 2440494; 449797, 2440464; 449675, 2440467; 450154, 2439614; 451319, 2437948; 450466, 2437546; 450580, 2437507; 450757, 2437431; 450948, 2437416; 451043, 2437429; 451072, 2437437; 451101, 2437491; 451108, 2437503; 451138, 2437581; 451245, 2437644; 451275, 2437714; 452023, 2438472; 451205, 2437885; 452004, 2438389; 451411, 2437910; 451488, 2437910; 451579, 2437997; 451593, 2438098; 451654, 2438137; 451738, 2438169; 451822, 2438170; 451898, 2438217; 451952, 2438225; 451982, 2438287; 449326, 2440266; 451228, 2437792; 450799, 2438248; 449502, 2440462; 450261, 2439193; 450390, 2438961; 450492, 2438803; 450601, 2438722; 450715, 2438722; 450776, 2438704; 450786, 2438622; 450835, 2438510; 450888, 2438416; 450949, 2438380; 450103, 2439293; 450921, 2438291; 450098, 2439272; 450704, 2438180; 450742, 2438065; 450785, 2437968; 450701, 2437933; 450657, 2437930; 450554, 2437925; 450467, 2437958; 450381, 2437976; 450256, 2438015; 450165, 2438076; 448286, 2436668; 451002, 2438334; 449748, 2439830; 450248, 2439634; 449295, 2440144; 449323, 2440106; 449435, 2440131; 449639, 2440133; 449771, 2440087; 449931, 2440046; 450041, 2440031; 450084, 2440003; 450061, 2439947; 449964, 2439881; 450172, 2439295; 449758, 2439861; 449402, 2440381; 449760, 2439660;

449816, 2439481; 449861, 2439257; 449886, 2439054; 449944, 2438939; 449945, 2438937; 450092, 2438827; 450179, 2438817; 450222, 2438885; 450189, 2439030; 450136, 2439186; 449852, 2439858; 449221, 2436668; 449007, 2436513; 449328, 2436406; 449213, 2436403; 449145, 2436465; 449130, 2436544; 449158, 2436572; 449514, 2436395; 449231, 2436635; 449615, 2436301; 449188, 2436712; 449145, 2436768; 449110, 2436794; 449120, 2436671; 449102, 2436620; 449079, 2436605; 450823, 2436692; 449219, 2436602; 449927, 2436216; 450785, 2436606; 450862, 2436552; 450878, 2436459; 450894, 2436334; 450928, 2436285; 450659, 2436369; 449414, 2436418; 450332, 2436229; 449008, 2436511; 449924, 2436215; 449870, 2436206; 449812, 2436172; 449765, 2436128; 449727, 2436090; 449689, 2436186; 449683, 2436195; 450351, 2436329; 448790, 2437520; 449020, 2436554; 448912, 2438027; 448953, 2437948; 448991, 2437897; 449024, 2437853; 448994, 2437683; 448926, 2438111; 448920, 2437538; 449012, 2438179; 448665, 2437510; 448596, 2437431; 448540, 2437294; 448517, 2437230; 448459, 2437218; 448428, 2437261; 448226, 2436801; 450205, 2439505; 449412, 2438461; 448436, 2436335; 450010, 2438158; 449905, 2438254; 449811, 2438272; 449689, 2438311; 449567, 2438395; 448910, 2438029; 449445, 2438454; 449027, 2437802; 449303, 2438449; 449280, 2438423; 449234, 2438327; 449198, 2438248; 449146, 2438227; 449117, 2438215; 449027, 2438184; 449506, 2438446; 450506, 2437164; 450691, 2436909; 450656, 2436941; 450515, 2437040; 450407, 2437210; 450299, 2437233; 448983, 2437578; 450584, 2437009.

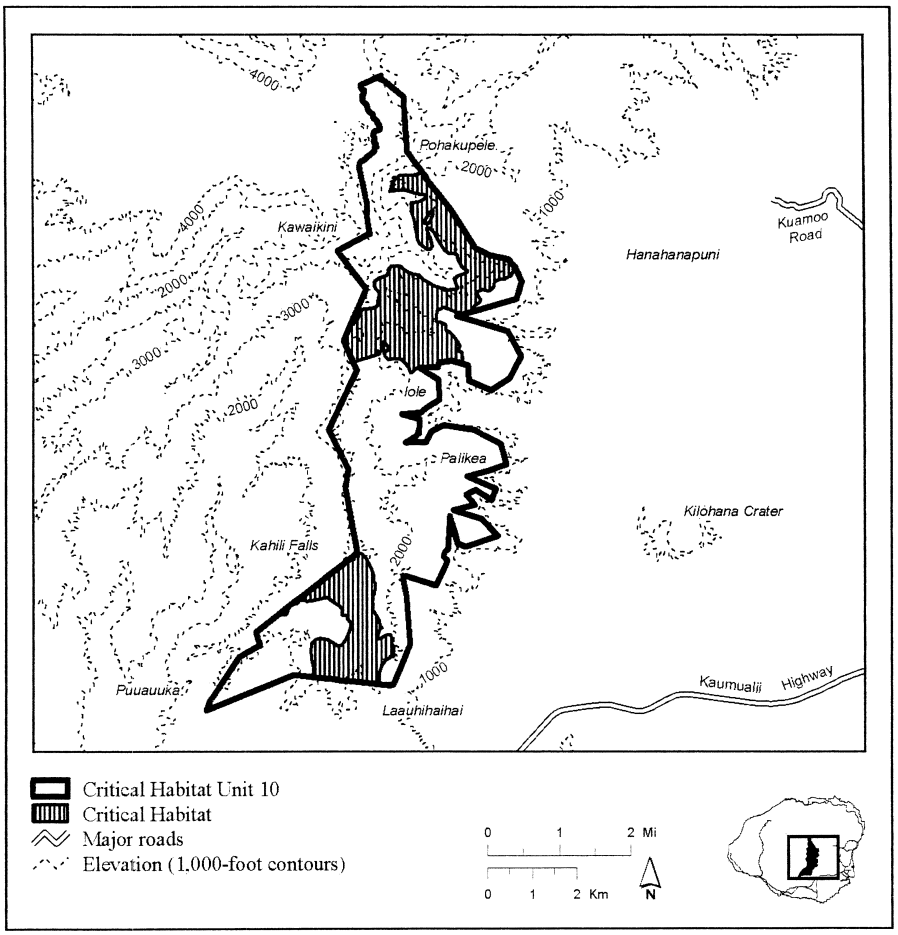
(2) This unit includes land bounded by the following UTM Zone 4, NAD 83 coordinates (E, N): 448864, 2430994; 448915, 2431294; 448870, 2430976; 448747, 2431927; 448866, 2430965; 448877, 2431143; 448890, 2431196; 448902, 2431222; 448896, 2431533; 448792, 2431836; 448857, 2431685; 448875, 2431636; 448879, 2431616; 448879, 2431586; 448904, 2431254; 448883, 2431556; 448907, 2431280; 448580, 2432096; 448909, 2431441; 448926, 2431397; 448922, 2431378; 448920, 2431356; 448871, 2430833; 448858, 2431071; 449196, 2430298; 448319, 2429275; 449002, 2429203; 448999, 2429252; 449004, 2429384; 449017, 2429491; 449053, 2429598; 449076, 2429644; 449139, 2429727; 449175, 2429758; 449262, 2429801; 449318, 2429811; 449326, 2430025; 449290, 2430091; 448866, 2430960; 448995, 2430341; 448858, 2431041; 448902, 2430792; 448947, 2430723; 448983, 2430644; 448991, 2430617; 449290, 2430208; 449026, 2430433; 449260, 2430300; 448959, 2430257; 448970, 2430209; 449020, 2430214; 449086, 2430250; 449107, 2430262; 448869, 2430883; 449011, 2430547; 447154, 2430979; 448122, 2430928; 446849, 2430738; 446921, 2430739; 446961, 2430832; 448892, 2431475; 446996, 2430939; 448686, 2432011; 446996, 2430939; 447214, 2431052; 447347, 2431063; 447367, 2431032; 447520, 2431054; 447836, 2431129; 447989, 2431010; 447038, 2430959; 447800, 2431556; 448534, 2432102; 448512, 2432103; 448509, 2432100; 448291, 2431933; 448077, 2431769; 446723, 2430729; 447808, 2431563; 447073, 2430978; 447681, 2431465; 447305, 2431176; 448877, 2431143; 447222, 2431112; 448868, 2431103; 447039, 2430972; 448011, 2431718; 447907, 2429318; 448615, 2432078; 448288, 2429278; 448283, 2429271; 448109, 2429291; 446993, 2430912; 448055, 2429303; 448174, 2430856; 447613, 2429349; 447532, 2429359; 447492, 2429364; 447530, 2429461; 447517, 2429602; 447489, 2429733; 447465, 2429924; 448370, 2430494; 448055, 2429297; 447481, 2430092; 448175, 2430731; 448297, 2430722; 448369, 2430567; 448340, 2430390; 448312, 2430325; 447855, 2430195; 447580, 2430191; 448297, 2430660; 447684, 2430223; 448070, 2430056; 448138, 2430060; 448199, 2430119; 448260, 2430203.

(B) Note: Map 36a follows:

Map 36a

Kauai 10–*Chamaesyce remyi* var. *kauaiensis*–b, Kauai 10–*Chamaesyce remyi* var. *remyi*–d, Kauai 10–*Charpentiera densiflora*–b, Kauai 10–*Cyanea eleeleensis*–a, Kauai 10–*Cyanea kolekoleensis*–a, Kauai 10–*Cyanea kuhihewa*–a, Kauai 10–*Cyrtandra oenobarba*–b, Kauai 10–*Dubautia imbricata* ssp. *imbricata*–a, Kauai 10–*Labordia helleri*–c, Kauai 10–*Melicope paniculata*–a, Kauai 10–*Melicope puberula*–b, Kauai 10–*Phyllostegia renovans*–b, Kauai 10–*Platydesma rostrata*–d, Kauai 10–*Stenogyne kealiae*–a, Kauai 10–*Tetraplasandra bisattenuata*–b, Kauai 10–*Tetraplasandra flynnii*–b

Lowland Wet



(lx) Kauai 10–*Chamaesyce remyi* var. *kauaiensis*–c

(A) This is a unit of the Wet Cliff ecosystem and consists of 489 ac (198 ha). This unit includes land bounded by the following UTM Zone 4, NAD 83 coordinates (E, N): 449326, 2440266; 449663, 2440988; 449861, 2440726; 449771, 2440087;

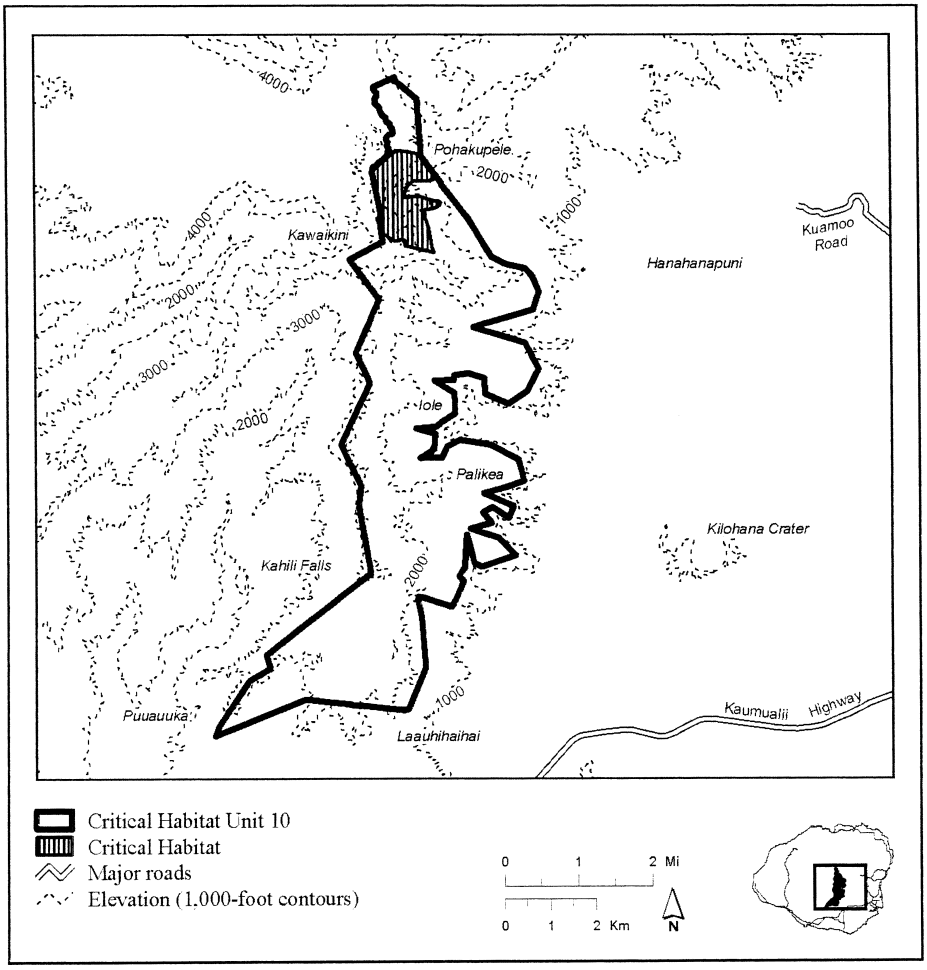
449639, 2440133; 449435, 2440131; 449323, 2440106; 449295, 2440144; 449931, 2440046; 449402, 2440381; 449502, 2440462; 449675, 2440467; 449797, 2440464; 449922, 2440494; 450009, 2440531; 449861, 2440726; 449663, 2440988; 449758, 2439861; 449987, 2440561; 450084, 2440003; 449943, 2438939; 448756, 2439586; 448792, 2439355; 448831, 2439328; 448887, 2439317; 448953, 2439254; 449067, 2439195; 448605, 2440582; 449760, 2439660; 448605, 2440585; 449964, 2439881; 449245, 2439220; 449852, 2439858; 449748, 2439830; 449816, 2439481; 449861, 2439257; 449886, 2439054; 449944, 2438939; 449177, 2439197; 448777, 2440842; 449662, 2441006; 449661, 2441029; 449533, 2441052; 449396, 2441083; 449396, 2441083; 449121, 2441114; 449068, 2441051; 448770, 2439804; 448887, 2440934; 450061, 2439947; 448678, 2440741; 448601, 2440652; 448599, 2440647; 448599, 2440637; 448600, 2440627; 448601, 2440618; 448603, 2440603; 448604, 2440594; 449006, 2441012; 449309, 2439083; 449311, 2439179; 450041, 2440031. This unit is also critical habitat for Kauai 10–*Chamaesyce remyi* var. *remyi*–e, Kauai 10–*Cyanea dolichopoda*–b, Kauai 10–*Cyrtandra oenobarba*–c, Kauai 10–*Cyrtandra paliku*–b, Kauai 10–*Dubautia plantaginea* ssp. *magnifolia*–b, Kauai 10–*Lysimachia iniki*–b, Kauai 10–*Lysimachia pendens*–b, Kauai 10–*Lysimachia venosa*–b, and Kauai 10–*Platydesma rostrata*–e (see paragraphs (a)(1)(lxiii), (a)(1)(lxvi), (a)(1)(lxxiv), (a)(1)(lxxv), (a)(1)(lxxx), (a)(1)(xcv), (a)(1)(xcvi), (a)(1)(xcvii), and (a)(1)(cx), respectively, of this section).

(B) Note: Map 36b follows:

Map 36b

Kauai 10–*Chamaesyce remyi* var. *kauaiensis*–c, Kauai 10–*Chamaesyce remyi* var. *remyi*–e, Kauai 10–*Cyanea dolichopoda*–b, Kauai 10–*Cyrtandra oenobarba*–c, Kauai 10–*Cyrtandra paliku*–b, Kauai 10–*Dubautia plantaginea* ssp. *magnifolia*–b, Kauai 10–*Lysimachia iniki*–b, Kauai 10–*Lysimachia pendens*–b, Kauai 10–*Lysimachia venosa*–b, Kauai 10–*Platydesma rostrata*–e

Wet Cliff



(lxi) Kauai 10–*Chamaesyce remyi* var. *remyi*–c

(A) See paragraph (a)(1)(lvii)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(lvii)(B) of this section for the map of this unit.

(lxii) Kauai 10–*Chamaesyce remyi* var. *remyi*–d

(A) See paragraph (a)(1)(lix)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(lix)(B) of this section for the map of this unit.

(lxiii) Kauai 10–*Chamaesyce remyi* var. *remyi*–e

(A) See paragraph (a)(1)(lx)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(lx)(B) of this section for the map of this unit.

(lxiv) Kauai 10–*Charpentiera densiflora*–b

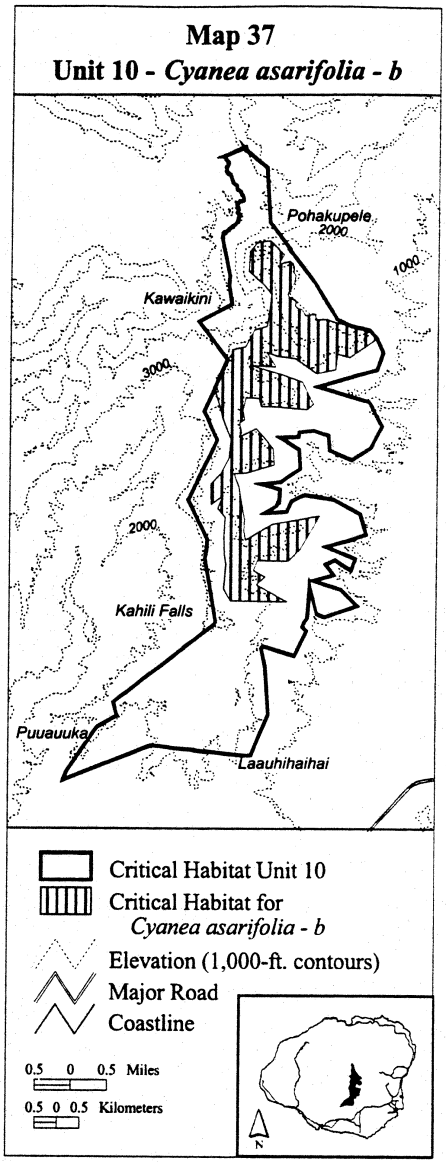
(A) See paragraph (a)(1)(lix)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(lix)(B) of this section for the map of this unit.

(lxv) Kauai 10—*Cyanea asarifolia*—b (903 ha; 2,232 ac)

(A) Unit consists of the following 103 boundary points: Start at 451083, 2438783; 451901, 2438605; 452064, 2438426; 451856, 2438263; 451455, 2437996; 451187, 2438070; 451143, 2437728; 450727, 2437639; 450252, 2437966; 449850, 2438026; 449613, 2438100; 449806, 2437788; 449271, 2437818; 449925, 2437625; 450415, 2437446; 450653, 2436956; 450519, 2436837; 449776, 2436897; 449494, 2436897; 449449, 2437090; 449152, 2437105; 449093, 2436808; 449122, 2436615; 449018, 2436541; 449063, 2436318; 449018, 2436229; 449390, 2436422; 449628, 2436125; 449761, 2435976; 449791, 2435605; 449167, 2435427; 448900, 2435412; 449018, 2435115; 449078, 2434773; 449137, 2434416; 449122, 2434149; 449167, 2433956; 449761, 2434298; 450816, 2434491; 450400, 2433763; 450118, 2433481; 449449, 2433495; 449345, 2433287; 449613, 2433139; 449420, 2432961; 450088, 2432589; 448840, 2432604; 448677, 2432872; 448706, 2433154; 448736, 2433421; 448692, 2433629; 448677, 2434030; 448706, 2434461; 448543, 2434654; 448662, 2434921; 448394, 2434743; 448380, 2435189; 448617, 2435427; 448781, 2435753; 448825, 2436169; 448647, 2436630; 448544, 2437006; 448458, 2437328; 448714, 2437911; 448825, 2438056; 448840, 2438160; 449137, 2438219; 449330, 2438605; 449613, 2438679; 449712, 2439392; 449522, 2439625; 449191, 2439915; 449211, 2440336; 449375, 2440536; 449671, 2440580; 449971, 2440270; 449870, 2440076; 449899, 2440063; 450011, 2440098; 450059, 2440101; 450106, 2440129; 450147, 2440093; 450162, 2440075; 450162, 2440075; 450185, 2440030; 450190, 2440016; 450203, 2439969; 450175, 2439897; 450247, 2439815; 450203, 2439630; 450115, 2439486; 450071, 2439407; 450084, 2439338; 450175, 2439294; 450238, 2439250; 450252, 2439220; 450237, 2439156; 450297, 2439075; 450379, 2439062; 450463, 2438924; 450671, 2438949; 450714, 2438836; 450940, 2438833; return to starting point.

(B) NOTE: Map 37 follows:



(lxvi) Kauai 10–*Cyanea dolichopoda*–b

(A) See paragraph (a)(1)(lx)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(lx)(B) of this section for the map of this unit.

(lxvii) Kauai 10–*Cyanea eleeleensis*–a

(A) See paragraph (a)(1)(lix)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(lix)(B) of this section for the map of this unit.

(lxviii) Kauai 10–*Cyanea kolekoleensis*–a

(A) See paragraph (a)(1)(lix)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(lix)(B) of this section for the map of this unit.

(lxix) Kauai 10–*Cyanea kuhihewa*–a

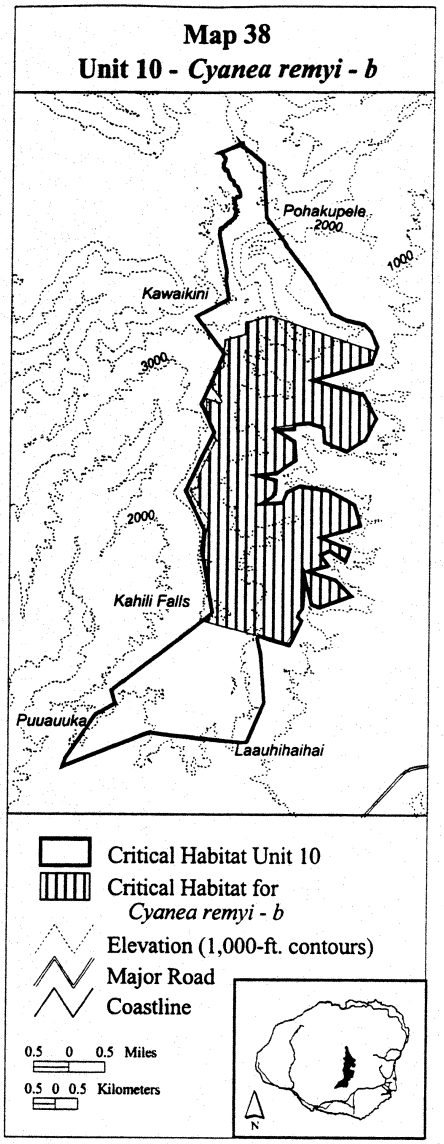
(A) See paragraph (a)(1)(lix)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(lix)(B) of this section for the map of this unit.

(lxx) Kauai 10—*Cyanea remyi*—b (1,904 ha; 4,705 ac)

(A) Unit consists of the following 71 boundary points: Start at 449428, 2431642; 448291, 2431933; 448515, 2432105; 448503, 2432172; 448417, 2432669; 448308, 2433302; 448343, 2433782; 448405, 2434199; 447967, 2434846; 448155, 2434909; 448176, 2435180; 448551, 2435973; 448503, 2436133; 448515, 2436159; 448453, 2436296; 448343, 2436661; 448343, 2436932; 448656, 2436828; 448697, 2436870; 448489, 2437141; 448465, 2437344; 448553, 2437544; 448718, 2437621; 448739, 2438246; 449198, 2438372; 449198, 2438643; 449782, 2438789; 452161, 2437996; 452078, 2437725; 450763, 2437349; 451890, 2437015; 452182, 2436473; 451932, 2435993; 451514, 2435722; 451014, 2435931; 450993, 2436264; 450659, 2436369; 449845, 2436265; 450346, 2435952; 450367, 2435514; 449908, 2435222; 449490, 2435201; 449929, 2435075; 449908, 2434825; 449845, 2434700; 449595, 2434554; 450075, 2434575; 450179, 2434804; 450471, 2434950; 451118, 2434846; 451723, 2434533; 451848, 2434074; 451431, 2433928; 450972, 2433803; 451619, 2433532; 451514, 2433281; 451160, 2433511; 450951, 2433406; 451139, 2433177; 450680, 2433052; 451285, 2432864; 451660, 2432488; 450930, 2432238; 450763, 2432322; 450596, 2432927; 450555, 2432217; 450429, 2432050; 450533, 2431929; 450459, 2431769; 450429, 2431800; 450200, 2431445; return to starting point.

(B) NOTE: Map 38 follows:

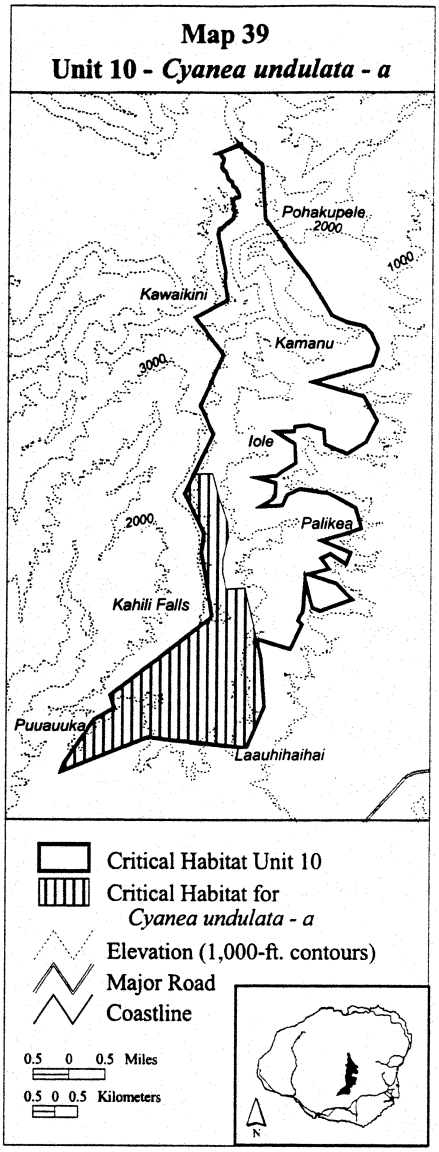


(lxxi) Kauai 10—*Cyanea undulata*—a (1,005 ha; 2,484 ac)

(A) Unit consists of the following 28 boundary points: Start at 448088, 2435267; 448504, 2435281; 448661, 2434734; 448844, 2434201; 448877, 2433868; 448746, 2433374; 448740, 2433286; 448740, 2433060; 448779, 2432916; 448823, 2432729; 449256, 2432753; 449617, 2431161; 449696, 2430088; 449318, 2429191; 447115, 2429408; 447101,

2429410; 447100, 2429410; 447092, 2429411; 445133, 2428627; 445203, 2428817; 445869, 2429806; 446327, 2430072; 446237, 2430356; 448515, 2432105; 448503, 2432172; 448267, 2433542; 448319, 2433974; 447886, 2434845; return to starting point.

(B) NOTE: Map 39 follows:

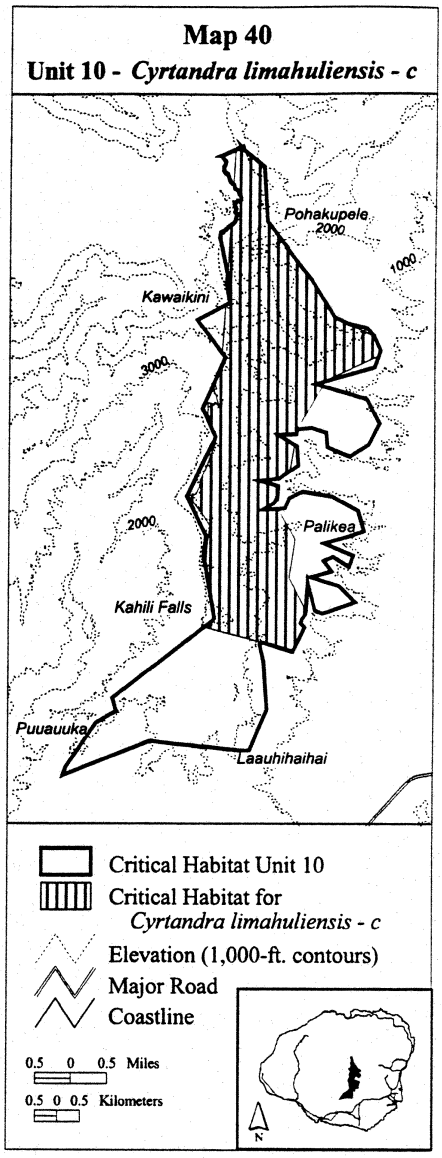


(lxxii) Kauai 10—*Cyrtandra limahuliensis*—c (2,013 ha; 4,975 ac)

(A) Unit consists of the following 172 boundary points: Start at 450986, 2437413; 450763, 2437349; 450920, 2437303; 450356, 2436356; 450332, 2436229; 449924, 2436215; 450288, 2435988; 450188, 2435455; 450167, 2435387; 450091, 2435338; 449939, 2435224; 449909, 2435222; 449908, 2435222; 449889, 2435221; 449520, 2435192; 449929, 2435075; 449908, 2434825; 449890, 2434790; 449906, 2434762; 449866, 2434742; 449845, 2434700; 449602, 2434558; 449641, 2434556; 449926, 2434568; 450308, 2433891; 450180, 2433045; 450561, 2432319; 450555, 2432217; 450489, 2432130; 450442, 2432036; 450533, 2431929; 450364, 2431564; 450270, 2431394; 449620, 2431593; 449428, 2431642; 448291, 2431933; 448515, 2432105; 448503, 2432172; 448417, 2432669; 448308, 2433302; 448343, 2433782; 448405, 2434199; 448223, 2434468; 447893, 2434860; 447894, 2434861; 448013, 2434861; 448101, 2434891; 448168, 2435077; 448176, 2435180; 448299, 2435441; 448519, 2436050; 448518, 2436082; 448503, 2436133; 448515, 2436159; 448453, 2436296; 448343, 2436661; 448343, 2436932; 448488, 2436884; 448486, 2436941; 448585, 2436875; 448512, 2437111; 448489, 2437141; 448480, 2437211; 448450, 2437310; 448728, 2437943; 448662, 2438032; 448728, 2439126; 448819, 2439175; 448756, 2439586; 448770, 2439804; 448837, 2440912; 448841, 2440914; 448861, 2440927; 448877, 2440939; 448918, 2440982; 448940, 2441006; 448941, 2441024; 448943, 2441044; 448943, 2441053; 448943, 2441063; 448944, 2441075; 448948, 2441084; 448954, 2441097; 448964, 2441109; 448969, 2441116; 448971, 2441119; 448972, 2441136; 448973, 2441143; 448972, 2441150; 448967, 2441159; 448961, 2441163; 448949, 2441170; 448941, 2441177; 448933, 2441184; 448930, 2441194; 448926, 2441212; 448934, 2441230; 448940, 2441238; 448944, 2441250; 448946, 2441259; 448948, 2441264; 448948, 2441273; 448948, 2441281; 448944, 2441291; 448935, 2441302; 448928, 2441313; 448925, 2441322; 448920, 2441333; 448919, 2441341; 448917, 2441357; 448916, 2441369; 448918, 2441381; 448922, 2441392; 448930, 2441400; 448936, 2441403; 448940, 2441404; 448945, 2441411; 448948, 2441420; 448952, 2441427; 448964, 2441441; 448971, 2441443; 449003, 2441449; 449032, 2441461; 449040, 2441466; 449049, 2441471; 449053, 2441472; 449060, 2441481; 449064, 2441492; 449065, 2441502; 449066, 2441511; 449061, 2441528; 449050, 2441561; 449046, 2441569; 449043, 2441578; 449037, 2441588; 449030, 2441595; 449017, 2441611; 449012, 2441616; 449009, 2441625; 449006, 2441639; 449004, 2441650; 449000, 2441660; 448995, 2441668;

448986, 2441677; 448972, 2441689; 448957, 2441700; 448939, 2441710; 448933, 2441715; 448925, 2441722; 448915, 2441738; 448913, 2441753; 448914, 2441760; 448913, 2441774; 448915, 2441796; 448910, 2441807; 448900, 2441814; 448892, 2441817; 448898, 2441915; 448939, 2442579; 449163, 2442553; 449589, 2442203; 449662, 2441006; 449663, 2440988; 450101, 2440409; 450094, 2440396; 450653, 2439686; 451170, 2438845; 452064, 2438419; 452203, 2438108; 452189, 2438063; 452160, 2437988; 451002, 2437441; return to starting point.

(B) NOTE: Map 40 follows:



(lxxiii) Kauai 10–*Cyrtandra oenobarba*–b

(A) See paragraph (a)(1)(lix)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(lix)(B) of this section for the map of this unit.

(lxxiv) Kauai 10–*Cyrtandra oenobarba*–c

(A) See paragraph (a)(1)(lx)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(lx)(B) of this section for the map of this unit.

(lxxv) Kauai 10–*Cyrtandra paliku*–b

(A) See paragraph (a)(1)(lx)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(lx)(B) of this section for the map of this unit.

(lxxvi) Kauai 10–*Dryopteris crinalis* var. *podosorus*–a

(A) See paragraph (a)(1)(lvii)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(lvii)(B) of this section for the map of this unit.

(lxxvii) Kauai 10–*Dubautia imbricata* ssp. *imbricata*–a

(A) See paragraph (a)(1)(lix)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(lix)(B) of this section for the map of this unit.

(lxxviii) Kauai 10–*Dubautia kalalauensis*–a

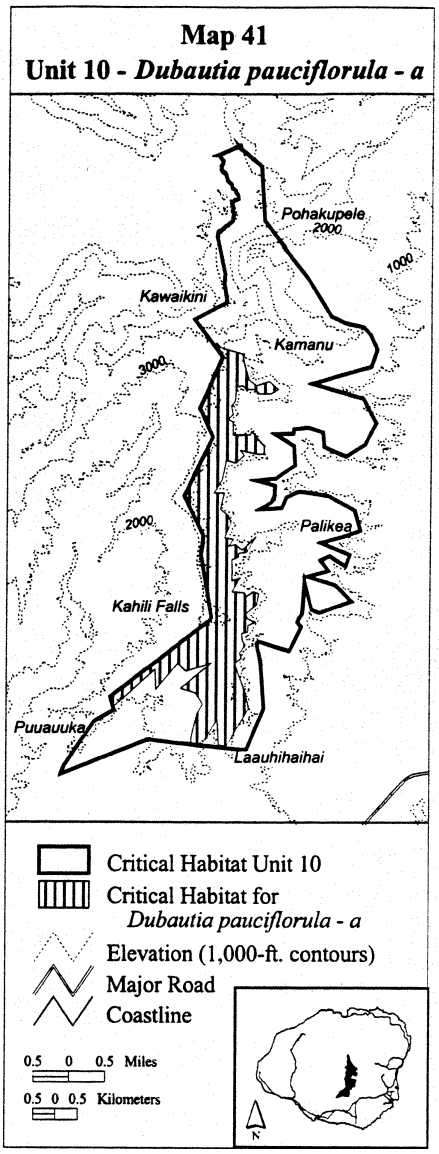
(A) See paragraph (a)(1)(lvii)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(lvii)(B) of this section for the map of this unit.

(lxxix) Kauai 10—*Dubautia pauciflorula*—a (814 ha; 2,012 ac)

(A) Unit consists of the following 96 boundary points: Start at 448697, 2438146; 449173, 2438007; 449213, 2437809; 449273, 2437571; 449312, 2437432; 449491, 2437293; 449788, 2437392; 449987, 2437214; 449808, 2437114; 449570, 2437114; 449451, 2437214; 449273, 2437214; 449174, 2437313; 449054, 2437273; 449015, 2436936; 448935, 2436857; 448975, 2436658; 448856, 2436559; 448975, 2436500; 448975, 2436202; 449372, 2436202; 449392, 2436281; 449669, 2435944; 449669, 2435766; 449550, 2435766; 449134, 2435865; 449233, 2435746; 449035, 2435567; 448816, 2435627; 448737, 2435191; 448559, 2434913; 448777, 2434913; 448697, 2434556; 448876, 2434417; 448935, 2434219; 448797, 2433921; 448995, 2433881; 448896, 2433723; 449055, 2433762; 449193, 2433643; 449511, 2433941; 449293, 2433584; 449114, 2433564; 449114, 2433485; 448955, 2433405; 448975, 2433167; 448955, 2432949; 449154, 2433009; 448975, 2432711; 449253, 2432691; 449273, 2432592; 449451, 2432711; 449570, 2432671; 449531, 2432414; 449273, 2432215; 449312, 2432116; 449511, 2432037; 449332, 2431957; 449332, 2431819; 449193, 2431779; 449213, 2431600; 449273, 2431521; 449154, 2431342; 449193, 2431223; 449035, 2431104; 449154, 2430787; 449273, 2430450; 449352, 2430093; 448856, 2429259; 448678, 2429299; 448658, 2429855; 448283, 2429271; 448109, 2429291; 448055, 2429297; 448063, 2429438; 448201, 2429974; 448320, 2430192; 448162, 2430450; 447825, 2430549; 448499, 2431104; 447944, 2430926; 447765, 2431104; 447269, 2430529; 447249, 2430966; 446310, 2430125; 446237, 2430356; 448515, 2432105; 448503, 2432172; 448267, 2433542; 448319, 2433974; 447886, 2434845; 448515, 2436159; 448226, 2436801; 448728, 2437943; 448612, 2438099; 448598, 2438245; return to starting point.

(B) NOTE: Map 41 follows:



(lxxx) Kauai 10–*Dubautia plantaginea* ssp. *magnifolia*–b

(A) See paragraph (a)(1)(lx)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(lx)(B) of this section for the map of this unit.

(lxxxi) Kauai 10–*Dubautia waialealae*–a

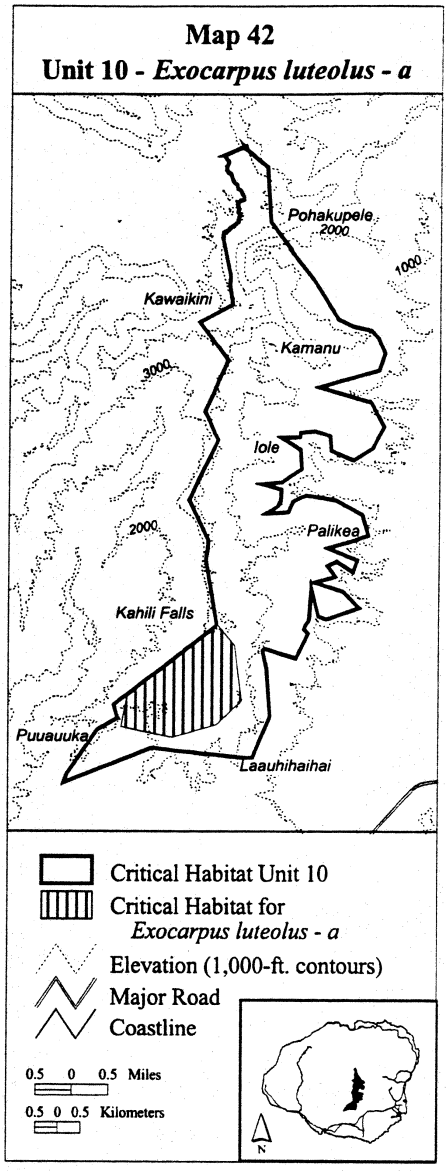
(A) See paragraph (a)(1)(lvii)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(lvii)(B) of this section for the map of this unit.

(lxxxii) Kauai 10—*Exocarpos luteolus*—a (401 ha; 991 ac)

(A) Unit consists of the following 10 boundary points: Start at 448504, 2432168; 448908, 2431685; 449077, 2430445; 448532, 2429929; 447543, 2429635; 446414, 2429881; 446462, 2430141; 446530, 2430532; 446530, 2430581; 448515, 2432105; return to starting point.

(B) NOTE: Map 42 follows:



(lxxxiii) Kauai 10–*Geranium kauaiense*–a

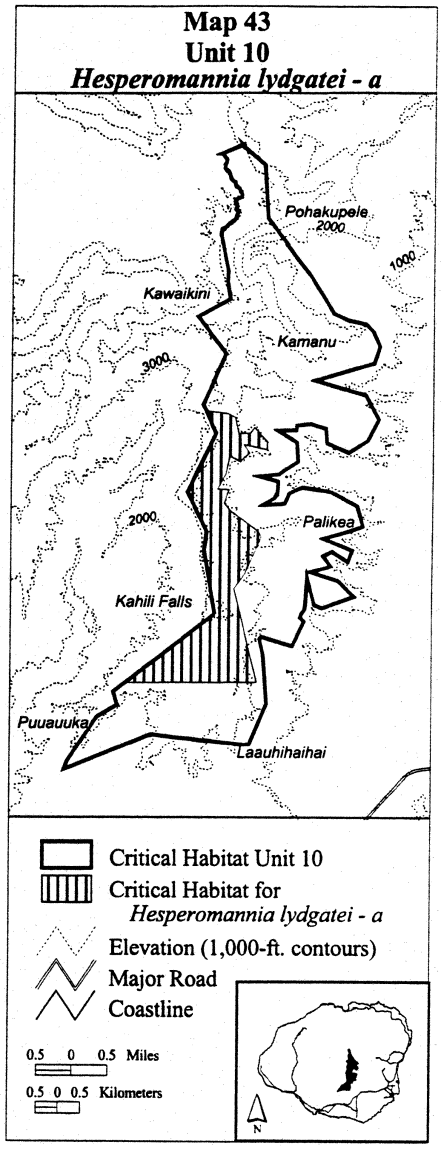
(A) See paragraph (a)(1)(lvii)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(lvii)(B) of this section for the map of this unit.

(lxxxiv) Kauai 10—*Hesperomannia lydgatei*—a (646 ha; 1,596 ac)

(A) Unit consists of the following 29 boundary points: Start at 448286, 2436668; 448802, 2436599; 448953, 2436524; 449029, 2436158; 449294, 2436158; 449395, 2436284; 449672, 2435981; 449672, 2435780; 449155, 2435893; 449281, 2435704; 449067, 2435527; 448840, 2435641; 448751, 2435237; 448562, 2434909; 448827, 2434897; 448713, 2434594; 448877, 2434417; 449496, 2433951; 449559, 2433825; 449193, 2433005; 448953, 2432677; 449466, 2430577; 446508, 2430564; 448515, 2432105; 448503, 2432172; 448267, 2433542; 448319, 2433974; 447886, 2434845; 448515, 2436159; return to starting point.

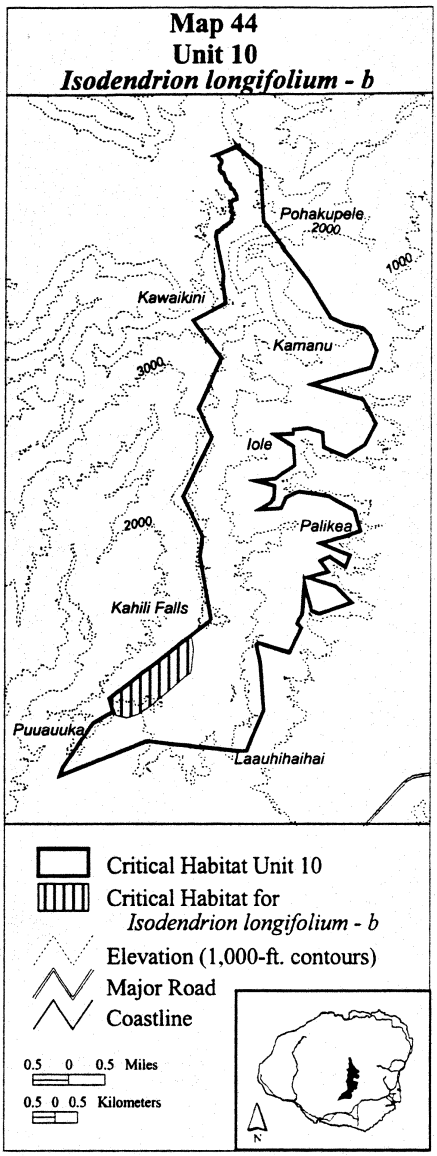
(B) NOTE: Map 43 follows:



(lxxxv) Kauai 10—*Isodendrion longifolium*—b (142 ha; 350 ac)

(A) Unit consists of the following 14 boundary points: Start at 448057, 2430921; 448043, 2430923; 447940, 2430853; 447794, 2430722; 447574, 2430543; 447170, 2430191; 446888, 2429999; 446635, 2429933; 446414, 2429985; 446295, 2430053; 446327, 2430072; 446237, 2430356; 448077, 2431769; 448127, 2431466; return to starting point.

(B) NOTE: Map 44 follows:



(lxxxvi) Kauai 10–*Keysseria erici*–a

(A) See paragraph (a)(1)(lvii)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(lvii)(B) of this section for the map of this unit.

(lxxxvii) Kauai 10–*Keysseria helenae*–a

(A) See paragraph (a)(1)(lvii)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(lvii)(B) of this section for the map of this unit.

(lxxxviii) Kauai 10–*Labordia helleri*–b

(A) See paragraph (a)(1)(lvii)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(lvii)(B) of this section for the map of this unit.

(lxxxix) Kauai 10–*Labordia helleri*–c

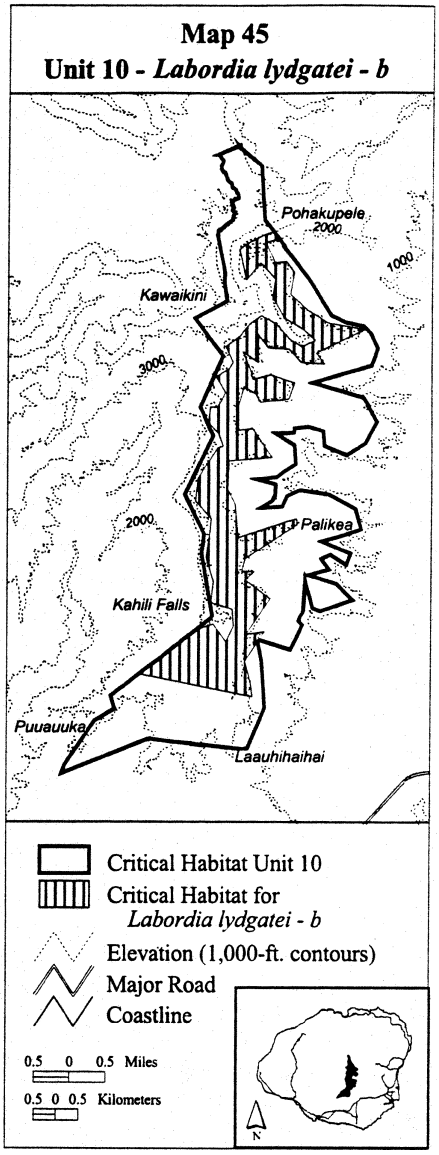
(A) See paragraph (a)(1)(lix)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(lix)(B) of this section for the map of this unit.

(xc) Kauai 10—*Labordia lydgatei*—b (1,035 ha; 2,558 ac)

(A) Unit consists of the following 97 boundary points: Start at 449391, 2431894; 449279, 2431726; 449412, 2431749; 449690, 2431798; 449457, 2431436; 449255, 2431122; 449376, 2430639; 449421, 2430343; 446873, 2430844; 448170, 2431840; 448531, 2431943; 448820, 2431557; 448989, 2431895; 448965, 2432281; 448482, 2432426; 448508, 2432672; 448531, 2432885; 448362, 2433440; 448458, 2434020; 448482, 2434310; 448120, 2434696; 448168, 2435203; 448627, 2435903; 448748, 2435927; 448627, 2436217; 448410, 2436458; 448458, 2436796; 448603, 2436796; 448724, 2436965; 448796, 2437134; 448579, 2437473; 448869, 2437666; 448965, 2437810; 448796, 2438149; 449110, 2438390; 449327, 2438655; 449593, 2438848; 449931, 2438655; 450245, 2438317; 450511, 2438148; 450801, 2438293; 450535, 2438535; 450100, 2438800; 449835, 2439259; 449907, 2439669; 449773, 2439813; 449569, 2440031; 449255, 2439645; 449122, 2440175; 449086, 2440321; 449255, 2440442; 449617, 2440635; 449861, 2440726; 449987, 2440561; 449690, 2440490; 449823, 2440174; 449883, 2440031; 449894, 2440032; 450149, 2440055; 450318, 2439814; 450245, 2439331; 450632, 2438969; 450873, 2438824; 451090, 2438679; 451911, 2438534; 450825, 2438003; 451018, 2437762; 450487, 2437810; 450221, 2438100; 449762, 2438124; 449521, 2438414; 449521, 2437810; 449183, 2438028; 449352, 2437617; 449400, 2437424; 449810, 2437521; 450342, 2437352; 450221, 2436989; 449569, 2436917; 449472, 2437110; 449207, 2437255; 449086, 2436845; 449086, 2436555; 449086, 2436289; 449400, 2436314; 449835, 2435686; 448869, 2435589; 448844, 2434961; 449014, 2434623; 449086, 2433875; 450390, 2434309; 450414, 2434165; 449255, 2433416; 449158, 2433126; 449448, 2433126; 449255, 2432933; 449810, 2432523; return to starting point.

(B) NOTE: Map 45 follows:



(xci) Kauai 10–*Labordia pumila*–a

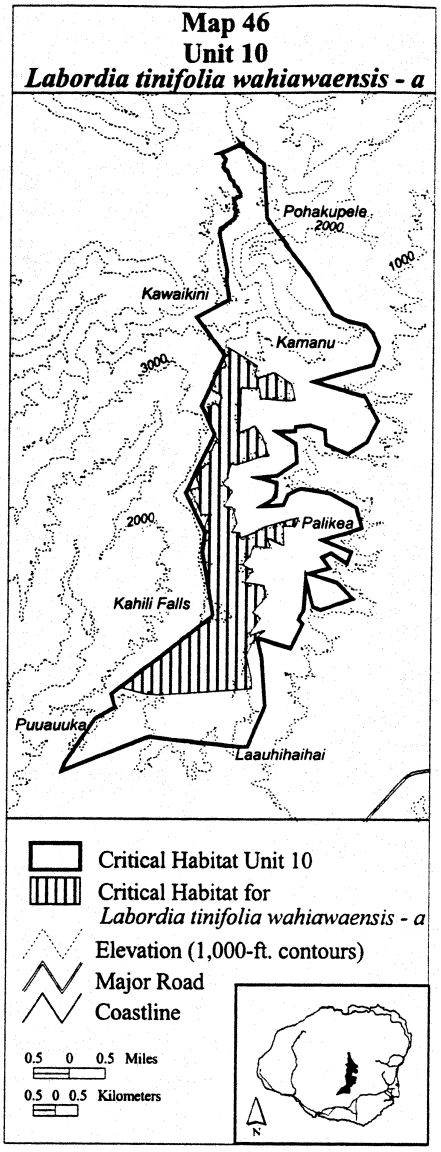
(A) See paragraph (a)(1)(lvii)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(lvii)(B) of this section for the map of this unit.

(xcii) Kauai 10—*Labordia tinifolia* var. *wahiawaensis*—a (913 ha; 2,255 ac)

(A) Unit consists of the following 89 boundary points: Start at 448798, 2438127; 449165, 2437887; 449468, 2437696; 449420, 2437473; 449516, 2437425; 449867, 2437552; 450250, 2437297; 450329, 2436930; 450170, 2436914; 449563, 2436962; 449516, 2437201; 449117, 2437201; 449101, 2436627; 449069, 2436196; 449436, 2436356; 449579, 2436132; 449739, 2435670; 449579, 2435654; 449021, 2435463; 448893, 2435494; 448814, 2435175; 448718, 2435048; 448941, 2434888; 448750, 2434537; 448941, 2434521; 449037, 2434154; 448941, 2433963; 449101, 2433963; 449117, 2433835; 449468, 2433979; 449659, 2434090; 450425, 2434298; 450361, 2434106; 450074, 2434106; 450090, 2433676; 449739, 2433835; 449771, 2433628; 449420, 2433660; 449324, 2433436; 449165, 2433245; 449404, 2433133; 449228, 2432846; 449420, 2432830; 449659, 2432782; 449707, 2432527; 449420, 2432192; 449595, 2432048; 449340, 2431713; 449356, 2431681; 449675, 2431777; 449404, 2431506; 449276, 2431218; 449388, 2430692; 449404, 2430484; 449404, 2430484; 447362, 2430345; 447060, 2430364; 446435, 2430508; 448515, 2432105; 448503, 2432172; 448267, 2433542; 448294, 2433768; 448383, 2433787; 448415, 2433963; 448303, 2434059; 448415, 2434362; 448223, 2434362; 448111, 2434649; 447968, 2434904; 448191, 2434968; 448127, 2435159; 448207, 2435415; 448415, 2435510; 448415, 2435750; 448574, 2436037; 448494, 2436244; 448462, 2436277; 448367, 2436488; 448367, 2436771; 448526, 2436866; 448606, 2436787; 448670, 2437058; 448446, 2437186; 448510, 2437313; 448510, 2437448; 448571, 2437587; 448766, 2437696; 448718, 2437856; 448829, 2437999; return to starting point.

(B) NOTE: Map 46 follows:



(xciii) Kauai 10–*Lysimachia daphnoides*–a

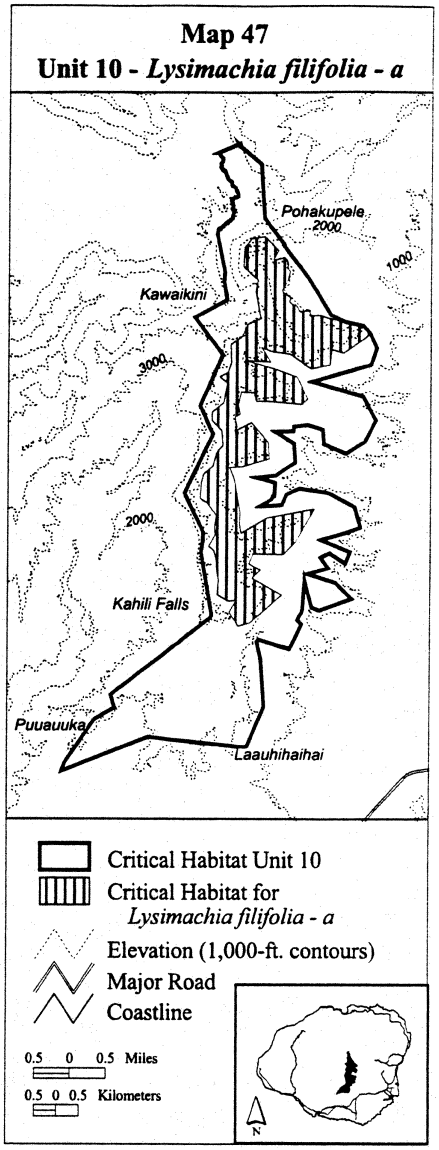
(A) See paragraph (a)(1)(lvii)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(lvii)(B) of this section for the map of this unit.

(xciv) Kauai 10—*Lysimachia filifolia*—a (995 ha; 2,458 ac)

(A) Unit consists of the following 113 boundary points: Start at 451083, 2438783; 451901, 2438605; 452064, 2438426; 451856, 2438263; 451455, 2437996; 451187, 2438070; 451143, 2437728; 450727, 2437639; 450252, 2437966; 449850, 2438026; 449613, 2438100; 449806, 2437788; 449271, 2437818; 449925, 2437625; 450415, 2437446; 450653, 2436956; 450519, 2436837; 449776, 2436897; 449494, 2436897; 449449, 2437090; 449152, 2437105; 449093, 2436808; 449122, 2436615; 449018, 2436541; 449063, 2436318; 449018, 2436229; 449390, 2436422; 449628, 2436125; 449761, 2435976; 449791, 2435605; 449167, 2435427; 448900, 2435412; 449018, 2435115; 449078, 2434773; 449137, 2434416; 449122, 2434149; 449167, 2433956; 449761, 2434298; 450816, 2434491; 450400, 2433763; 450118, 2433481; 449449, 2433495; 449345, 2433287; 449613, 2433139; 449420, 2432961; 450088, 2432589; 449381, 2431977; 449117, 2431900; 448904, 2432197; 449065, 2432473; 448889, 2432462; 448635, 2432590; 448650, 2432917; 448613, 2433130; 448599, 2433373; 448547, 2433571; 448444, 2433659; 448580, 2433916; 448573, 2434107; 448610, 2434346; 448386, 2434622; 448239, 2434732; 448261, 2435063; 448312, 2435268; 448522, 2435445; 448610, 2435753; 448749, 2435904; 448720, 2436242; 448496, 2436469; 448485, 2436660; 448753, 2436862; 448830, 2437318; 448669, 2437450; 448845, 2437549; 448922, 2437766; 448915, 2438166; 449164, 2438353; 449293, 2438629; 449580, 2438754; 449469, 2439364; 449522, 2439625; 449191, 2439915; 449211, 2440336; 449375, 2440536; 449671, 2440580; 449971, 2440270; 449870, 2440076; 449899, 2440063; 450011, 2440098; 450059, 2440101; 450106, 2440129; 450147, 2440093; 450162, 2440075; 450162, 2440075; 450185, 2440030; 450190, 2440016; 450203, 2439969; 450175, 2439897; 450247, 2439815; 450203, 2439630; 450115, 2439486; 450071, 2439407; 450084, 2439338; 450175, 2439294; 450238, 2439250; 450252, 2439220; 450237, 2439156; 450297, 2439075; 450379, 2439062; 450463, 2438924; 450671, 2438949; 450714, 2438836; 450940, 2438833; return to starting point.

(B) NOTE: Map 47 follows:



(xcv) Kauai 10–*Lysimachia iniki*–b

(A) See paragraph (a)(1)(lx)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(lx)(B) of this section for the map of this unit.

(xcvi) Kauai 10–*Lysimachia pendens*–b

(A) See paragraph (a)(1)(lx)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(lx)(B) of this section for the map of this unit.

(xcvii) Kauai 10–*Lysimachia venosa*–b

(A) See paragraph (a)(1)(lx)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(lx)(B) of this section for the map of this unit.

(xcviii) Kauai 10–*Melicope degeneri*–a

(A) See paragraph (a)(1)(lvii)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(lvii)(B) of this section for the map of this unit.

(xcix) Kauai 10–*Melicope paniculata*–a

(A) See paragraph (a)(1)(lix)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(lix)(B) of this section for the map of this unit.

(c) Kauai 10–*Melicope puberula*–a

(A) See paragraph (a)(1)(lvii)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(lvii)(B) of this section for the map of this unit.

(ci) Kauai 10–*Melicope puberula*–b

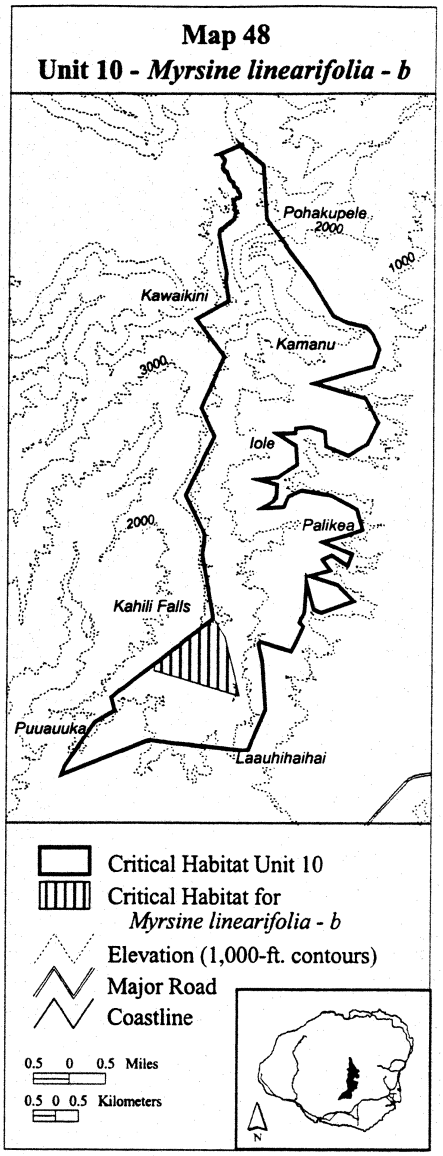
(A) See paragraph (a)(1)(lix)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(lix)(B) of this section for the map of this unit.

(cii) Kauai 10—Myrsine linearifolia—b (167 ha; 413 ac)

(A) Unit consists of the following 6 boundary points: Start at 448507, 2432148; 448782, 2431712; 449112, 2430394; 447193, 2430959; 447222, 2431112; 448515, 2432105; return to starting point.

(B) NOTE: Map 48 follows:



(ciii) Kauai 10–*Myrsine mezii*–a

(A) See paragraph (a)(1)(lvii)(A) of this section for the textual description of this unit.

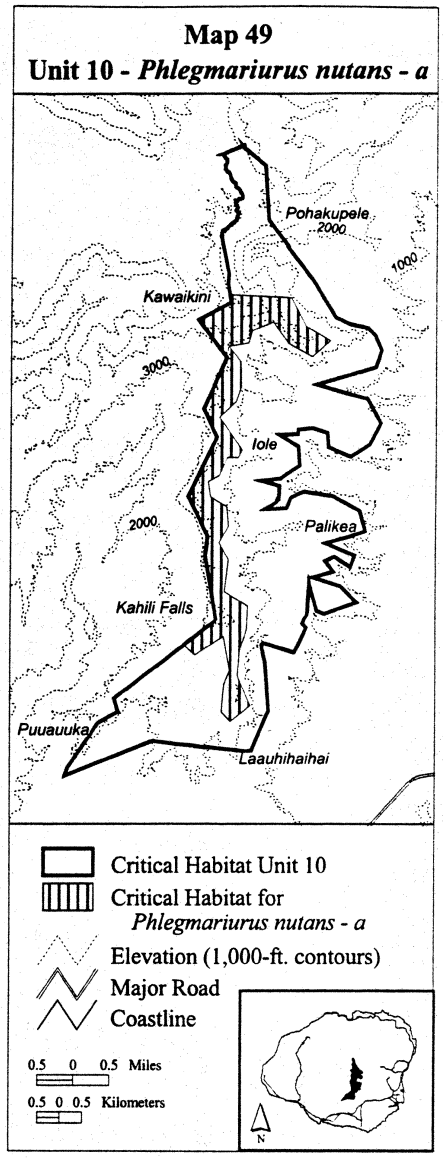
(B) See paragraph (a)(1)(lvii)(B) of this section for the map of this unit.

(civ) Kauai 10—*Phlegmariurus nutans*—a (620 ha; 1,533 ac)

(A) Unit consists of the following 47 boundary points: Start at 448793,

2439345; 450186, 2439278; 450512, 2438647; 451062, 2438321; 450655, 2437974; 450105, 2438280; 449779, 2438728; 449310, 2438545; 449228, 2438280; 448780, 2438199; 449045, 2437852; 449065, 2437302; 448943, 2436956; 448576, 2436610; 449086, 2435876; 449004, 2435713; 448760, 2435713; 448576, 2435306; 448332, 2435163; 448373, 2434837; 448739, 2434613; 448780, 2434165; 448576, 2433818; 448780, 2433452; 448699, 2432739; 449229, 2432413; 449208, 2431903; 449045, 2431434; 449004, 2430864; 449290, 2430212; 448841, 2429845; 448638, 2430069; 448699, 2430681; 448821, 2430986; 448678, 2431740; 448047, 2431333; 447800, 2431556; 448515, 2432105; 448503, 2432172; 448267, 2433542; 448319, 2433974; 447886, 2434845; 448515, 2436159; 448226, 2436801; 448728, 2437943; 448103, 2438785; 448819, 2439175; return to starting point.

(B) NOTE: Map 49 follows:



(cv) Kauai 10–*Phyllostegia renovans*–a

(A) See paragraph (a)(1)(lvii)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(lvii)(B) of this section for the map of this unit.

(cvi) Kauai 10–*Phyllostegia renovans*–b

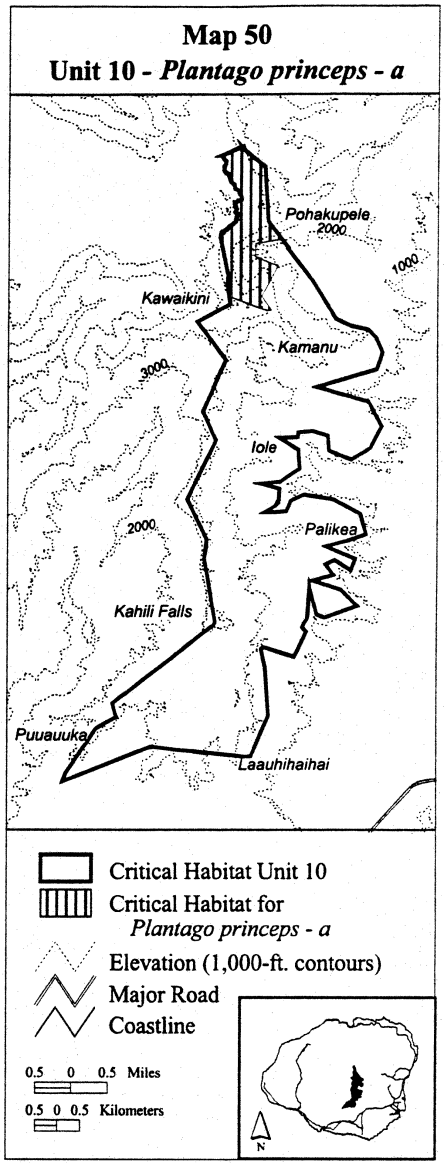
(A) See paragraph (a)(1)(lix)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(lix)(B) of this section for the map of this unit.

(cvii) Kauai 10—*Plantago princeps*—a (276 ha; 683 ac)

(A) Unit consists of the following 195 boundary points: Start at 449378, 2440492; 449378, 2440219; 449753, 2440049; 449884, 2440014; 449514, 2439343; 449731, 2439042; 449653, 2439026; 448873, 2439316; 448605, 2440582; 448605, 2440585; 448604, 2440594; 448603, 2440603; 448601, 2440618; 448600, 2440627; 448599, 2440637; 448600, 2440668; 448601, 2440679; 448606, 2440704; 448612, 2440722; 448615, 2440731; 448619, 2440740; 448622, 2440749; 448630, 2440759; 448638, 2440764; 448650, 2440769; 448663, 2440773; 448678, 2440780; 448691, 2440790; 448711, 2440806; 448720, 2440813; 448727, 2440820; 448735, 2440829; 448745, 2440841; 448764, 2440857; 448788, 2440878; 448802, 2440889; 448811, 2440896; 448841, 2440914; 448861, 2440927; 448877, 2440939; 448918, 2440982; 448940, 2441006; 448941, 2441024; 448943, 2441044; 448943, 2441053; 448943, 2441063; 448944, 2441075; 448948, 2441084; 448954, 2441097; 448964, 2441109; 448969, 2441116; 448971, 2441119; 448972, 2441136; 448973, 2441143; 448972, 2441150; 448967, 2441159; 448961, 2441163; 448949, 2441170; 448941, 2441177; 448933, 2441184; 448930, 2441194; 448926, 2441212; 448934, 2441230; 448940, 2441238; 448944, 2441250; 448946, 2441259; 448948, 2441264; 448948, 2441273; 448948, 2441281; 448944, 2441291; 448935, 2441302; 448928, 2441313; 448925, 2441322; 448920, 2441333; 448919, 2441341; 448917, 2441357; 448916, 2441369; 448918, 2441381; 448922, 2441392; 448930, 2441400; 448936, 2441403; 448940, 2441404; 448945, 2441411; 448948, 2441420; 448952, 2441427; 448964, 2441441; 448971, 2441443; 449003, 2441449; 449032, 2441461; 449040, 2441466; 449049, 2441471; 449053, 2441472; 449060, 2441481; 449064, 2441492; 449065, 2441502; 449066, 2441511; 449061, 2441528; 449050, 2441561; 449046, 2441569; 449043, 2441578; 449037, 2441588; 449030, 2441595; 449017, 2441611; 449012, 2441616; 449009, 2441625; 449006, 2441639; 449004, 2441650; 449000, 2441660; 448995, 2441668; 448986, 2441677; 448972, 2441689; 448957, 2441700; 448939, 2441710; 448933, 2441715; 448925, 2441722; 448915, 2441738; 448913, 2441753; 448914, 2441760; 448913, 2441774; 448915, 2441796; 448910, 2441807; 448900, 2441814; 448890, 2441818; 448884, 2441820; 448877, 2441825; 448850, 2441844; 448840, 2441852; 448831, 2441859; 448820, 2441871; 448817, 2441884; 448814, 2441894; 448813, 2441900; 448803, 2441914; 448789, 2441938; 448787, 2441967; 448781, 2441990; 448777, 2442002; 448773, 2442013; 448768, 2442019; 448764, 2442029; 448755, 2442041; 448746, 2442051; 448736, 2442055; 448728, 2442058; 448723, 2442061; 448718, 2442069; 448710, 2442077; 448694, 2442089; 448683, 2442101; 448677, 2442115; 448675, 2442123; 448677, 2442140; 448682, 2442148; 448684, 2442157; 448680, 2442169; 448674, 2442187; 448671, 2442202; 448673, 2442209; 448678, 2442221; 448684, 2442226; 448692, 2442233; 448699, 2442238; 448705, 2442250; 448706, 2442257; 448707, 2442267; 448712, 2442283; 448718, 2442295; 448722, 2442303; 448723, 2442309; 448724, 2442320; 448721, 2442331; 448711, 2442341; 448697, 2442342; 448682, 2442350; 448677, 2442356; 448673, 2442365; 448671, 2442369; 448665, 2442379; 448657, 2442387; 448648, 2442399; 448643, 2442410; 448642, 2442430; 448642, 2442440; 448640, 2442451; 448637, 2442455; 449104, 2442662; 449108, 2442589; 449074, 2442637; 449099, 2442572; 449576, 2442210; 449620, 2441513; 449654, 2441008; 449662, 2441006; 449663, 2440988; 449955, 2440602; return to starting point.

(B) NOTE: Map 50 follows:



(cviii) Kauai 10–*Platydesma rostrata*–c

(A) See paragraph (a)(1)(lvii)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(lvii)(B) of this section for the map of this unit.

(cix) Kauai 10–*Platydesma rostrata*–d

(A) See paragraph (a)(1)(lix)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(lix)(B) of this section for the map of this unit.

(cx) Kauai 10–*Platydesma rostrata*–e

(A) See paragraph (a)(1)(lx)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(lx)(B) of this section for the map of this unit.

(cxi) Kauai 10–*Psychotria grandiflora*–a

(A) See paragraph (a)(1)(lvii)(A) of this section for the textual description of this unit.

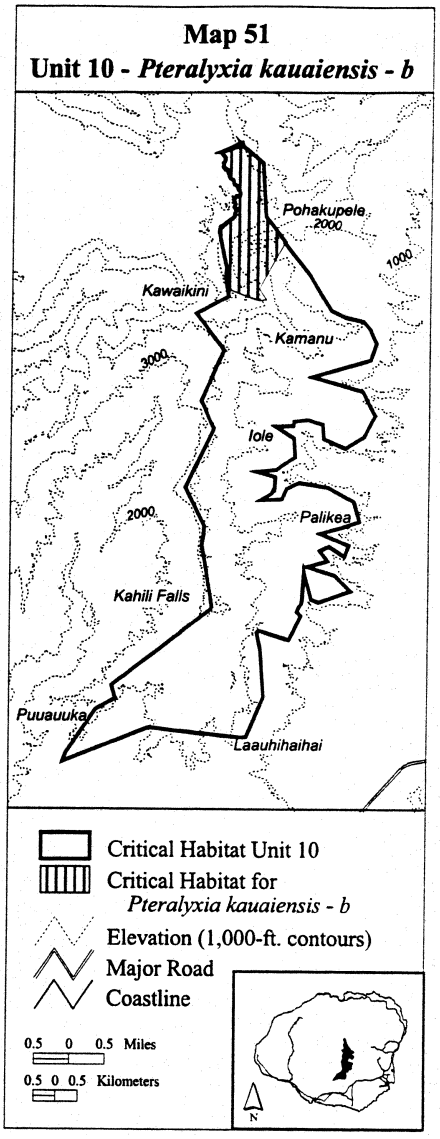
(B) See paragraph (a)(1)(lvii)(B) of this section for the map of this unit.

(cxii) Kauai 10—*Pteralyxia kauaiensis*—b (304 ha; 751 ac)

(A) Unit consists of the following 183 boundary points: Start at 448642, 2442419; 449125, 2442584; 449589, 2442203; 449662, 2441006; 449663, 2440988; 450101, 2440409; 449514, 2439343; 449691, 2439097; 449529, 2439072; 448873, 2439316; 448605, 2440582; 448605, 2440585; 448604, 2440594; 448603, 2440603; 448601, 2440618; 448600, 2440627; 448599, 2440637; 448600, 2440668; 448601, 2440679; 448606, 2440704; 448612, 2440722; 448615, 2440731; 448619, 2440740; 448622, 2440749; 448630, 2440759; 448638, 2440764; 448650, 2440769; 448663, 2440773; 448678, 2440780; 448691, 2440790; 448711, 2440806; 448720, 2440813; 448727, 2440820; 448735, 2440829; 448745, 2440841; 448764, 2440857; 448788, 2440878; 448802, 2440889; 448811, 2440896; 448841, 2440914; 448861, 2440927; 448877, 2440939; 448918, 2440982; 448940, 2441006; 448941, 2441024; 448943, 2441044; 448943, 2441053; 448943, 2441063; 448944, 2441075; 448948, 2441084; 448954, 2441097; 448964, 2441109; 448969, 2441116; 448971, 2441119; 448972, 2441136; 448973, 2441143; 448972, 2441150; 448967, 2441159; 448961, 2441163; 448949, 2441170; 448941, 2441177; 448933, 2441184; 448930, 2441194; 448926, 2441212; 448934, 2441230; 448940, 2441238; 448944, 2441250; 448946, 2441259; 448948, 2441264; 448948, 2441273; 448948, 2441281; 448944, 2441291; 448935, 2441302; 448928, 2441313; 448925, 2441322; 448920, 2441333; 448919, 2441341; 448917, 2441357; 448916, 2441369; 448918, 2441381; 448922, 2441392; 448930, 2441400; 448936, 2441403; 448940, 2441404; 448945, 2441411; 448948, 2441420; 448952, 2441427; 448964, 2441441; 448971, 2441443; 449003, 2441449; 449032, 2441461; 449040, 2441466; 449049, 2441471;

449053, 2441472; 449060, 2441481; 449064, 2441492; 449065, 2441502; 449066, 2441511; 449061, 2441528; 449050, 2441561; 449046, 2441569; 449043, 2441578; 449037, 2441588; 449030, 2441595; 449017, 2441611; 449012, 2441616; 449009, 2441625; 449006, 2441639; 449004, 2441650; 449000, 2441660; 448995, 2441668; 448986, 2441677; 448972, 2441689; 448957, 2441700; 448939, 2441710; 448933, 2441715; 448925, 2441722; 448915, 2441738; 448913, 2441753; 448914, 2441760; 448913, 2441774; 448915, 2441796; 448910, 2441807; 448900, 2441814; 448890, 2441818; 448884, 2441820; 448877, 2441825; 448850, 2441844; 448840, 2441852; 448831, 2441859; 448820, 2441871; 448817, 2441884; 448814, 2441894; 448813, 2441900; 448803, 2441914; 448789, 2441938; 448787, 2441967; 448781, 2441990; 448777, 2442002; 448773, 2442013; 448768, 2442019; 448764, 2442029; 448755, 2442041; 448746, 2442051; 448736, 2442055; 448728, 2442058; 448723, 2442061; 448718, 2442069; 448710, 2442077; 448694, 2442089; 448683, 2442101; 448677, 2442115; 448675, 2442123; 448677, 2442140; 448682, 2442148; 448684, 2442157; 448680, 2442169; 448674, 2442187; 448671, 2442202; 448673, 2442209; 448678, 2442221; 448684, 2442226; 448692, 2442233; 448699, 2442238; 448705, 2442250; 448706, 2442257; 448707, 2442267; 448712, 2442283; 448718, 2442295; 448722, 2442303; 448723, 2442309; 448724, 2442320; 448721, 2442331; 448711, 2442341; 448697, 2442342; 448682, 2442350; 448677, 2442356; 448673, 2442365; 448671, 2442369; 448665, 2442379; 448657, 2442387; 448648, 2442399; 448643, 2442410; return to starting point.

(B) NOTE: Map 51 follows:



(cxiii) Kauai 10–*Stenogyne kealiae*–a

(A) See paragraph (a)(1)(lix)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(lix)(B) of this section for the map of this unit.

(cxiv) Kauai 10–*Tetraplasandra bisattenuata*–b

(A) See paragraph (a)(1)(lix)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(lix)(B) of this section for the map of this unit.

(cxv) Kauai 10–*Tetraplasandra flynnii*–a

(A) See paragraph (a)(1)(lvii)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(lvii)(B) of this section for the map of this unit.

(cxvi) Kauai 10–*Tetraplasandra flynnii*–b

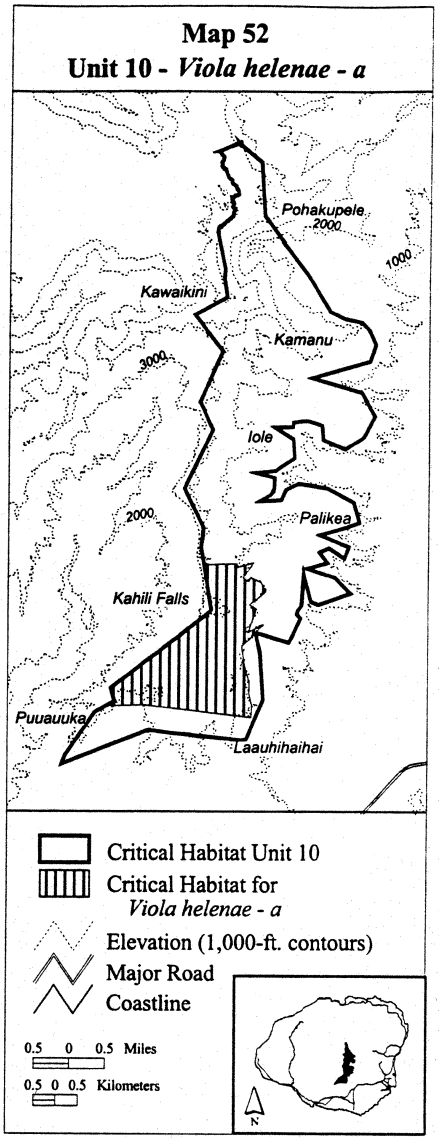
(A) See paragraph (a)(1)(lix)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(lix)(B) of this section for the map of this unit.

(cxvii) Kauai 10—*Viola helenae*—a (611 ha; 1,510 ac)

(A) Unit consists of the following 31 boundary points: Start at 448328, 2433188; 448454, 2433140; 449088, 2433152; 449076, 2433067; 449466, 2433177; 449222, 2432836; 449320, 2432763; 449405, 2432848; 449636, 2432738; 449746, 2432531; 449527, 2432361; 449380, 2432239; 449551, 2432153; 449344, 2431617; 449685, 2431800; 449417, 2431508; 449198, 2431301; 449234, 2431142; 449271, 2430923; 449320, 2430692; 449380, 2430484; 449380, 2430229; 449441, 2429961; 449429, 2429693; 446980, 2429985; 446274, 2429948; 446193, 2429994; 446327, 2430072; 446237, 2430356; 448515, 2432105; 448503, 2432172; return to starting point.

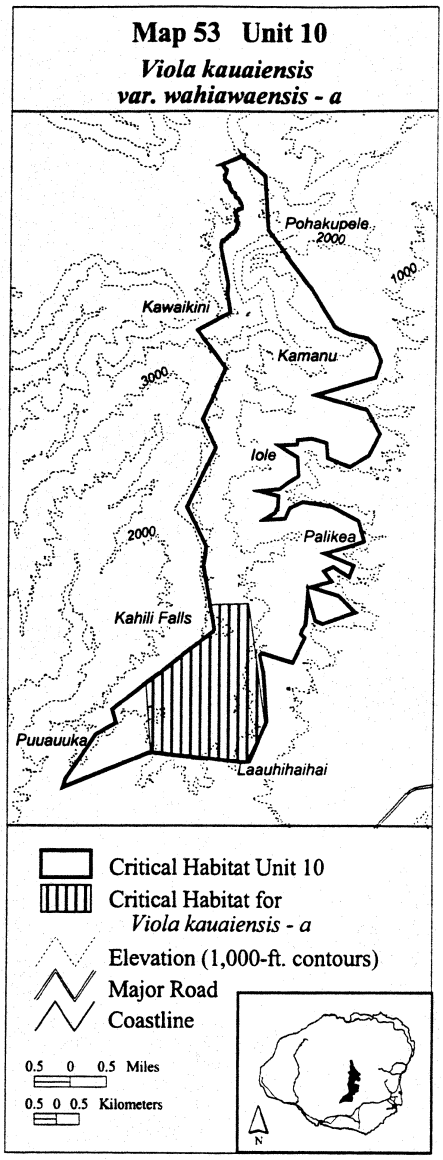
(B) NOTE: Map 52 follows:



(cxviii) Kauai 10—*Viola kauaiensis* var. *wahiawaensis*—a (657 ha; 1,623 ac)

(A) Unit consists of the following 10 boundary points: Start at 448417, 2432669; 449275, 2432700; 449659, 2430034; 449241, 2429178; 447613, 2429349; 447532, 2429359; 447101, 2429410; 446996, 2430939; 448515, 2432105; 448503, 2432172; return to starting point.

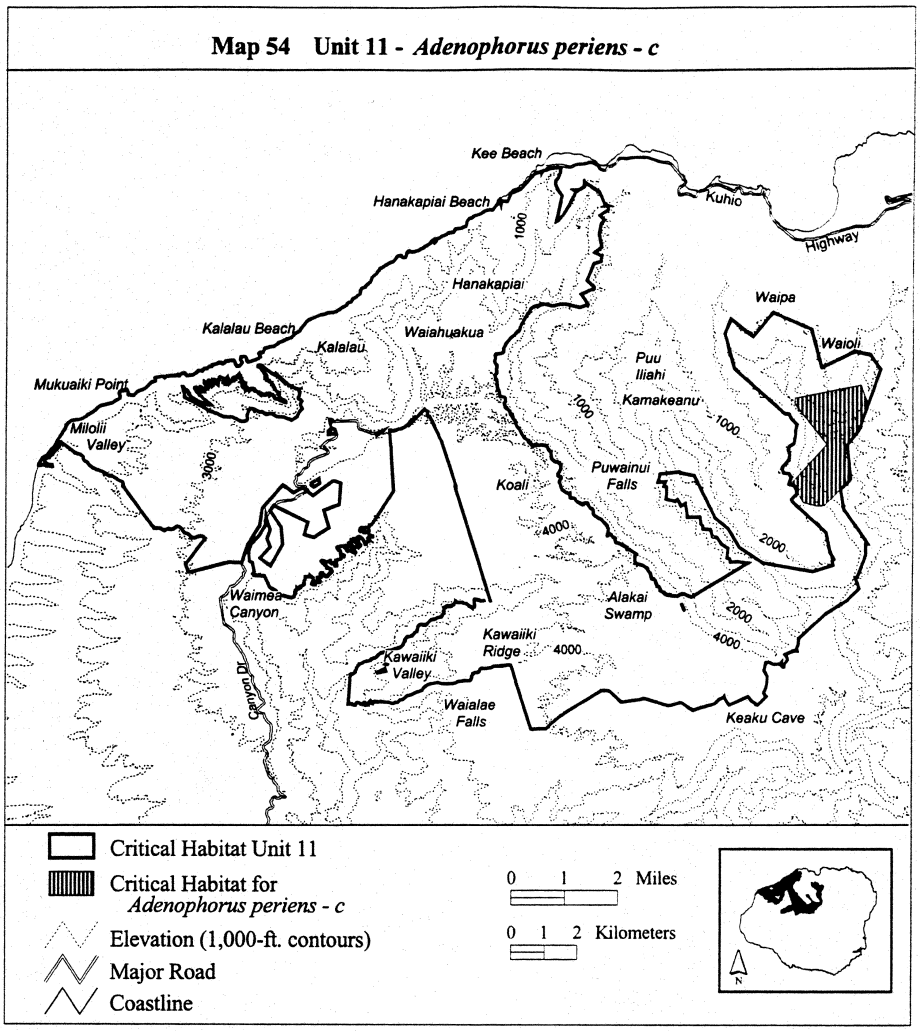
(B) NOTE: Map 53 follows:



(cxix) Kauai 11—*Adenophorus periens*—c (469 ha; 1,158 ac)

(A) Unit consists of the following 14 boundary points: Start at 449704, 2450172; 449432, 2449395; 449073, 2448923; 449147, 2447868; 448881, 2447609; 448393, 2447136; 448172, 2447124; 447753, 2447224; 447428, 2447829; 448470, 2448968; 447485, 2450219; 447507, 2450366; 449486, 2450747; 449649, 2450316; return to starting point.

(B) NOTE: Map 54 follows:

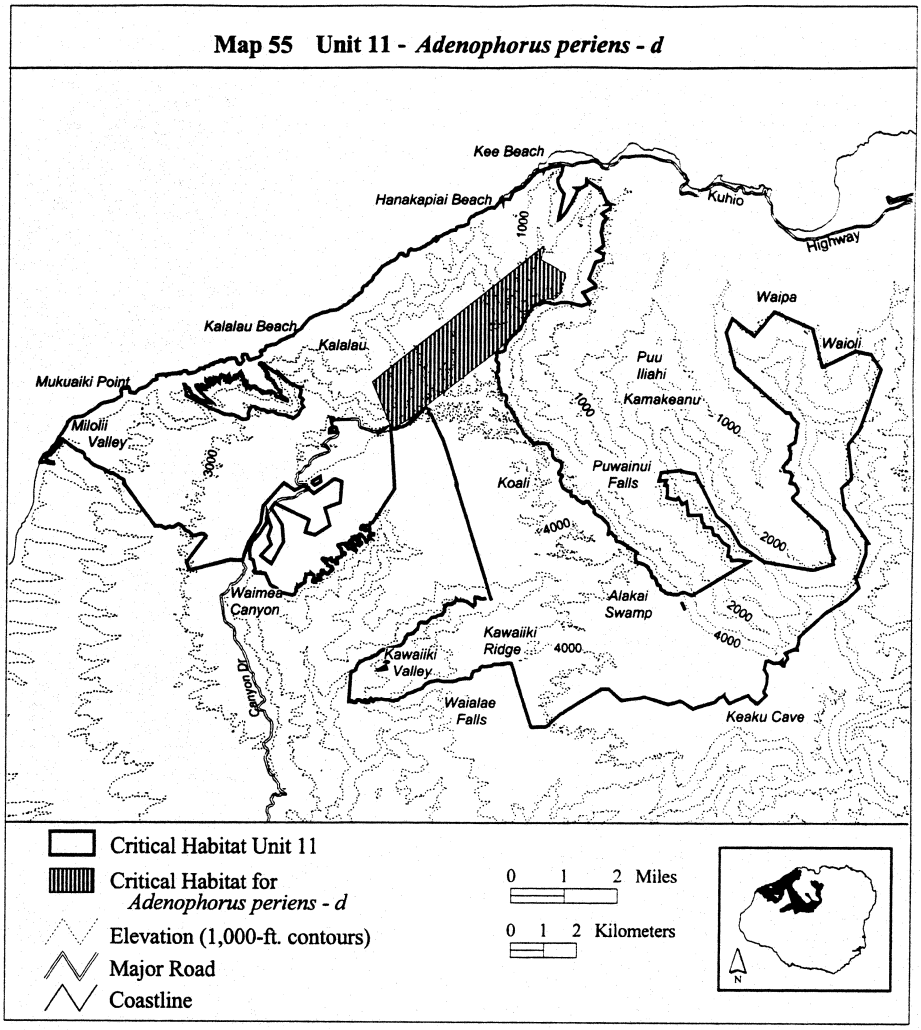


(cxx) Kauai 11—*Adenophorus periens*—d (1,006 ha; 2,485 ac)

(A) Unit consists of the following 82 boundary points: Start at 439347, 2452789; 439324, 2452794; 439098, 2452402; 438924, 2452225; 438478, 2451772; 438422, 2451715; 438390, 2451682; 436328, 2450087; 436296, 2450046; 436244, 2450016; 436213, 2450009; 436203, 2450009; 436111, 2449924; 436104, 2449902; 436086, 2449869; 436075, 2449855; 436058, 2449842; 436017, 2449817; 436001, 2449805; 435988, 2449789; 435985, 2449783; 435308, 2449368; 435292, 2449379; 435269, 2449384; 435247, 2449385; 434652, 2450774; 434814, 2450917; 434829, 2450928; 435956, 2451815; 438144, 2453533; 438500, 2453813; 439711, 2454765; 439738, 2454786; 439842, 2454868; 439760, 2454456; 440303, 2454155; 440294, 2454127; 440436, 2454081; 440496, 2454047; 440485, 2453995; 440492, 2453950; 440484, 2453922; 440461, 2453865; 440450, 2453851; 440432, 2453815; 440421, 2453780; 440412, 2453745; 440410, 2453716; 440404, 2453694; 440384, 2453655; 440378, 2453623; 440380, 2453590; 440370, 2453517; 440363, 2453496; 440355, 2453461; 440350,

2453451; 440333, 2453428; 440315, 2453408; 440288, 2453388; 440275, 2453381; 440244, 2453334; 440223, 2453322; 440199, 2453305; 440147, 2453289; 440119, 2453282; 440093, 2453280; 439987, 2453284; 439962, 2453283; 439924, 2453275; 439905, 2453264; 439787, 2453162; 439724, 2453135; 439639, 2453119; 439600, 2453107; 439553, 2453082; 439503, 2453046; 439481, 2453022; 439473, 2452985; 439464, 2452963; 439414, 2452909; 439390, 2452876; 439355, 2452801; return to starting point.

(B) NOTE: Map 55 follows:



(cxxi) Kauai 11—*Alectryon macrococcus*—a (382 ha; 943 ac)

(A) Unit consists of the following 292 boundary points: Start at 435336, 2442801; 435344, 2442802; 435367, 2442807; 435391, 2442814; 435415, 2442819; 435435, 2442826; 435454, 2442831; 435476, 2442838; 435496, 2442844; 435516, 2442850; 435530,

2442853; 435534, 2442855; 435543, 2442858; 435556, 2442862; 435571, 2442867; 435585, 2442876; 435596, 2442883; 435624, 2442882; 435632, 2442910; 435642, 2442920; 435658, 2442932; 435668, 2442948; 435673, 2442959; 435681, 2442977; 435688, 2442995; 435693, 2443006; 435698, 2443024; 435704, 2443036; 435708, 2443047; 435715, 2443064; 435722, 2443078; 435725, 2443086; 435729, 2443093; 435735, 2443103; 435738, 2443112; 435743, 2443127; 435749, 2443138; 435753, 2443149; 435757, 2443155; 435766, 2443169; 435778, 2443179; 435790, 2443186; 435804, 2443188; 435821, 2443194; 435842, 2443199; 435861, 2443202; 435874, 2443204; 435889, 2443208; 435904, 2443211; 435933, 2443223; 435942, 2443232; 435949, 2443246; 435958, 2443255; 435969, 2443263; 435979, 2443271; 435993, 2443281; 436010, 2443297; 436032, 2443316; 436048, 2443332; 436064, 2443343; 436080, 2443358; 436089, 2443375; 436095, 2443390; 436100, 2443403; 436107, 2443421; 436113, 2443456; 436118, 2443477; 436123, 2443502; 436134, 2443520; 436146, 2443534; 436160, 2443543; 436175, 2443554; 436190, 2443560; 436213, 2443563; 436227, 2443563; 436240, 2443562; 436254, 2443557; 436265, 2443552; 436274, 2443547; 436287, 2443540; 436300, 2443537; 436315, 2443532; 436328, 2443529; 436337, 2443528; 436348, 2443531; 436357, 2443536; 436369, 2443546; 436380, 2443558; 436392, 2443572; 436403, 2443585; 436421, 2443611; 436438, 2443631; 436460, 2443655; 436478, 2443676; 436497, 2443688; 436518, 2443696; 436534, 2443700; 436558, 2443707; 436576, 2443711; 436597, 2443714; 436611, 2443716; 436630, 2443718; 436644, 2443720; 436655, 2443724; 436666, 2443731; 436678, 2443742; 436697, 2443756; 436708, 2443763; 436726, 2443769; 436745, 2443772; 436758, 2443775; 436771, 2443776; 436788, 2443776; 436799, 2443778; 436808, 2443781; 436818, 2443785; 436823, 2443786; 436829, 2443790; 436837, 2443797; 436841, 2443801; 436845, 2443807; 436852, 2443819; 436861, 2443831; 436870, 2443847; 436882, 2443863; 436890, 2443877; 436900, 2443900; 436911, 2443923; 436914, 2443936; 436914, 2443948; 436913, 2443962; 436910, 2443981; 436908, 2443995; 436908, 2443995; 436943, 2444066; 436951, 2444073; 436961, 2444084; 436969, 2444094; 436975, 2444098; 436983, 2444102; 436994, 2444107; 437009, 2444108; 437026, 2444105; 437049, 2444100; 437067, 2444092; 437076, 2444089; 437106, 2444090; 437119, 2444096; 437128, 2444104; 437129, 2444107; 437182, 2444088; 437303, 2444229; 437310, 2444225; 437332, 2444217; 437351, 2444217; 437365, 2444221; 437566, 2444182; 437578, 2444179; 437593, 2444170; 437610, 2444160; 437624, 2444146; 437636, 2444132; 437651, 2444119; 437671, 2444112; 437691, 2444102; 437703, 2444093; 437722, 2444082; 437732, 2444069; 437749, 2444061; 437758, 2444058; 437768, 2444060; 437780, 2444066; 437810, 2444080; 437821, 2444088; 437831, 2444100; 437833, 2444111; 437835, 2444126; 437833, 2444139; 437827, 2444163; 437822, 2444185; 437820, 2444206; 437818, 2444236; 437824, 2444265; 437828, 2444292; 437836, 2444314; 437843, 2444322; 437854, 2444327; 437871, 2444328; 437887, 2444323; 437909, 2444314; 437933, 2444302; 437960, 2444289; 437984, 2444274; 438007, 2444260; 438028, 2444258; 438048, 2444258; 438072, 2444260; 438087, 2444266; 438109, 2444271; 438133, 2444273; 438164, 2444270; 438196, 2444263; 438335, 2444214; 438238, 2444515; 438251, 2444591; 438333, 2444564; 438464, 2444701; 438540, 2444598; 438837, 2444584; 438878, 2444453; 438982, 2444481; 439071, 2444639; 439712, 2444756; 439712, 2444935; 439774, 2444949; 439816, 2444749; 439747, 2444687; 439395, 2444474; 439271, 2444301; 438988, 2444026; 438609, 2444178; 438554, 2444019; 438154, 2443806; 438037, 2443916; 437368, 2443785; 437354, 2443668; 437354, 2443516; 437203, 2443323; 436548, 2443254; 436617, 2443027; 436224, 2442848; 436210, 2442751; 436637, 2442799; 436982, 2442606; 436644, 2442510; 437023, 2442303; 436989, 2442144; 437223, 2442103; 436975, 2442027; 436975, 2441958; 436803, 2441986; 436734, 2442110; 436672, 2442034; 436623, 2442034; 436389, 2442076; 436375, 2441993; 436175, 2441965; 436072, 2442041; 435879, 2441972; 435617, 2441890; 435810, 2441766; 435755, 2441683; 434852, 2441917; 434645, 2442255; 434684, 2442495; 434700, 2442502; 434713, 2442515; 434725, 2442524; 434735, 2442532; 434755, 2442542; 434775, 2442551; 434800, 2442556; 434822, 2442562; 434842, 2442574; 434862, 2442596; 434883, 2442613; 434896, 2442626; 434916, 2442647; 434934, 2442668; 434949, 2442681; 434972, 2442699; 434986, 2442705; 434997, 2442708; 435006, 2442713; 435012, 2442717; 435026, 2442719; 435039, 2442722; 435061, 2442727; 435081, 2442733; 435100, 2442739; 435119, 2442747; 435135, 2442754; 435150, 2442764; 435164, 2442771; 435184, 2442774; 435201, 2442777; 435219, 2442778; 435237, 2442782; 435251, 2442783; 435228, 2442762; 435237, 2442643; 435284, 2442631; return to starting point.

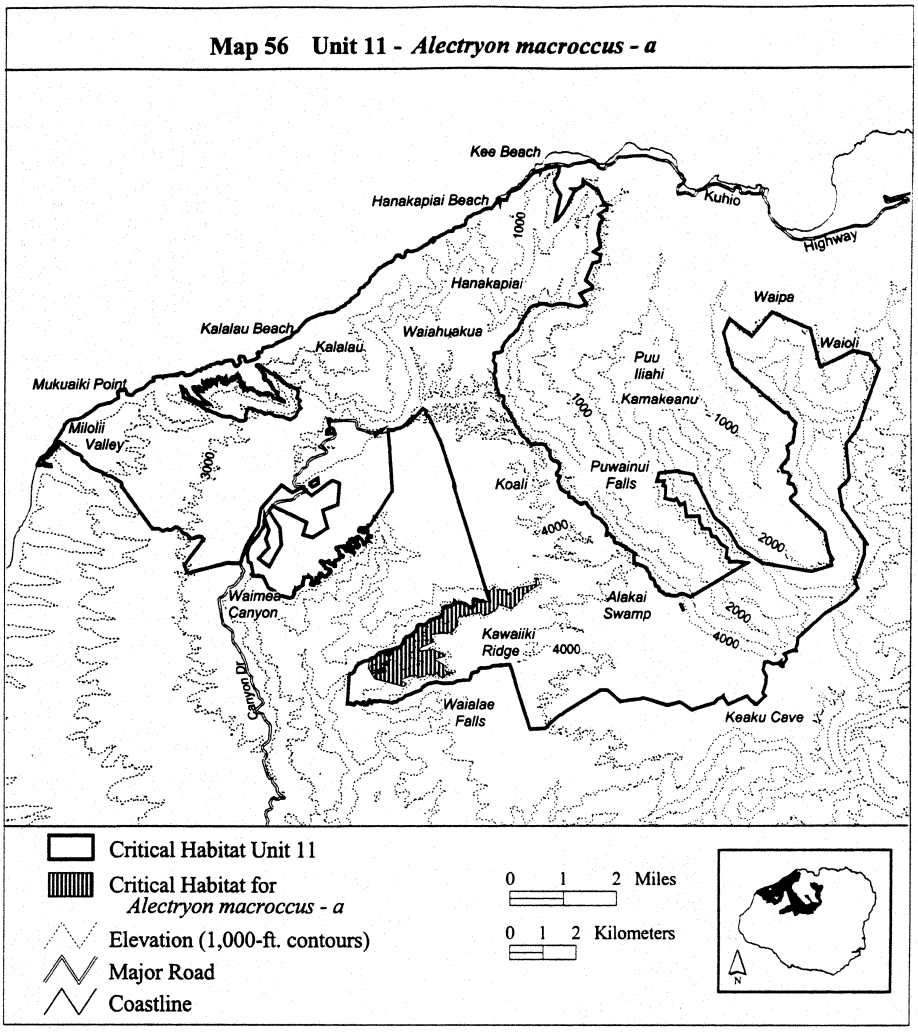
(B) Excluding 2 areas:

(*1*) Bounded by the following 3 points (1 ha; 3 ac): Start at 435132, 2442248;

435160, 2442164; 434848, 2442098; return to starting point; and

(*2*) Bounded by the following 4 points: (0 ha; 1 ac): Start at 435151, 2442425; 435215, 2442393; 435195, 2442353; 435128, 2442379; return to starting point.

(C) NOTE: Map 56 follows:

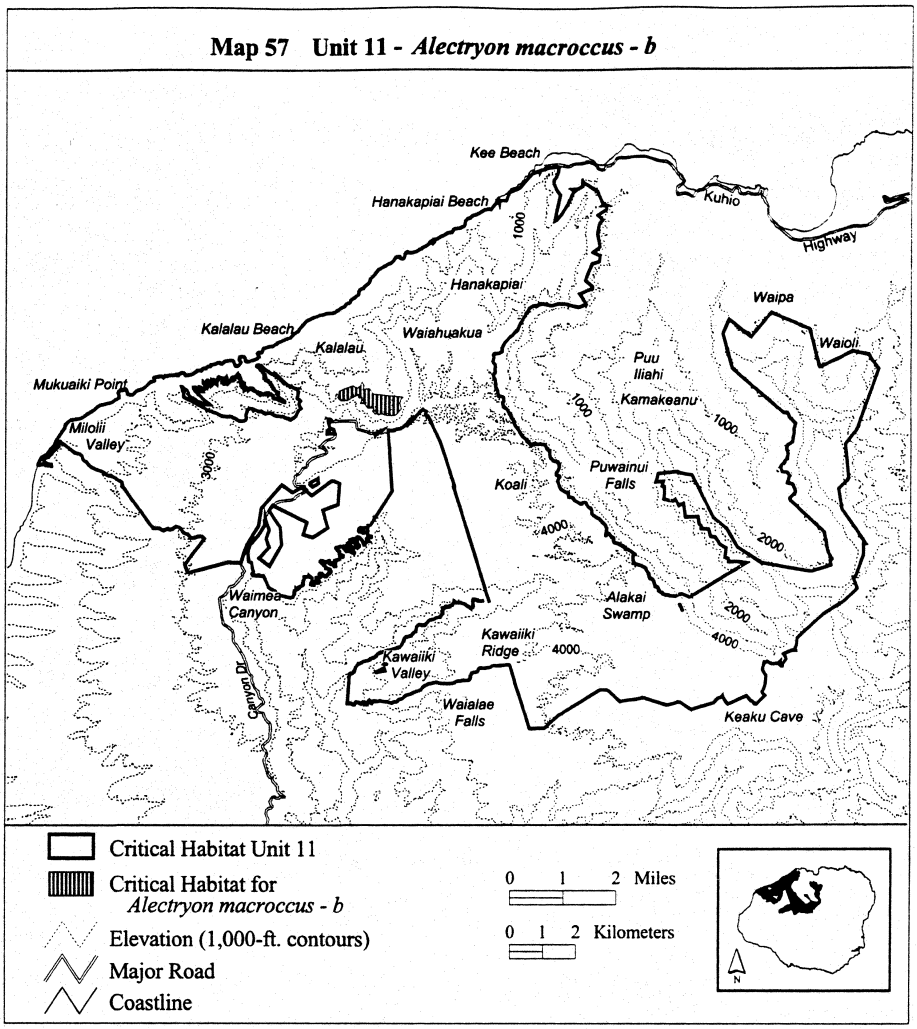


(cxxii) Kauai 11—*Alectryon macrococcus*—b (90 ha; 222 ac)

(A) Unit consists of the following 42 boundary points: Start at 434114, 2450720; 434166, 2450751; 434206, 2450682; 434246, 2450687; 434293, 2450650; 434374, 2450717; 434437, 2450858; 434504, 2450749; 434475, 2450619; 434648, 2450659; 434778, 2450484; 435695, 2450389; 435608, 2450327; 435588, 2450199; 435632, 2450023; 435535, 2449928; 435447, 2449835; 435182, 2449829; 435011, 2449895; 434939, 2449841; 434894, 2449891; 434816, 2449871; 434773, 2449947; 434755, 2449958; 434787, 2450016; 434784,

2450052; 434742, 2450070; 434609, 2450052; 434578, 2450109; 434543, 2450151; 434504, 2450195; 434399, 2450200; 434430, 2450325; 434417, 2450370; 434363, 2450363; 434331, 2450386; 434320, 2450475; 434145, 2450379; 433991, 2450281; 433804, 2450277; 433704, 2450352; 433744, 2450570; return to starting point.

(B) NOTE: Map 57 follows:

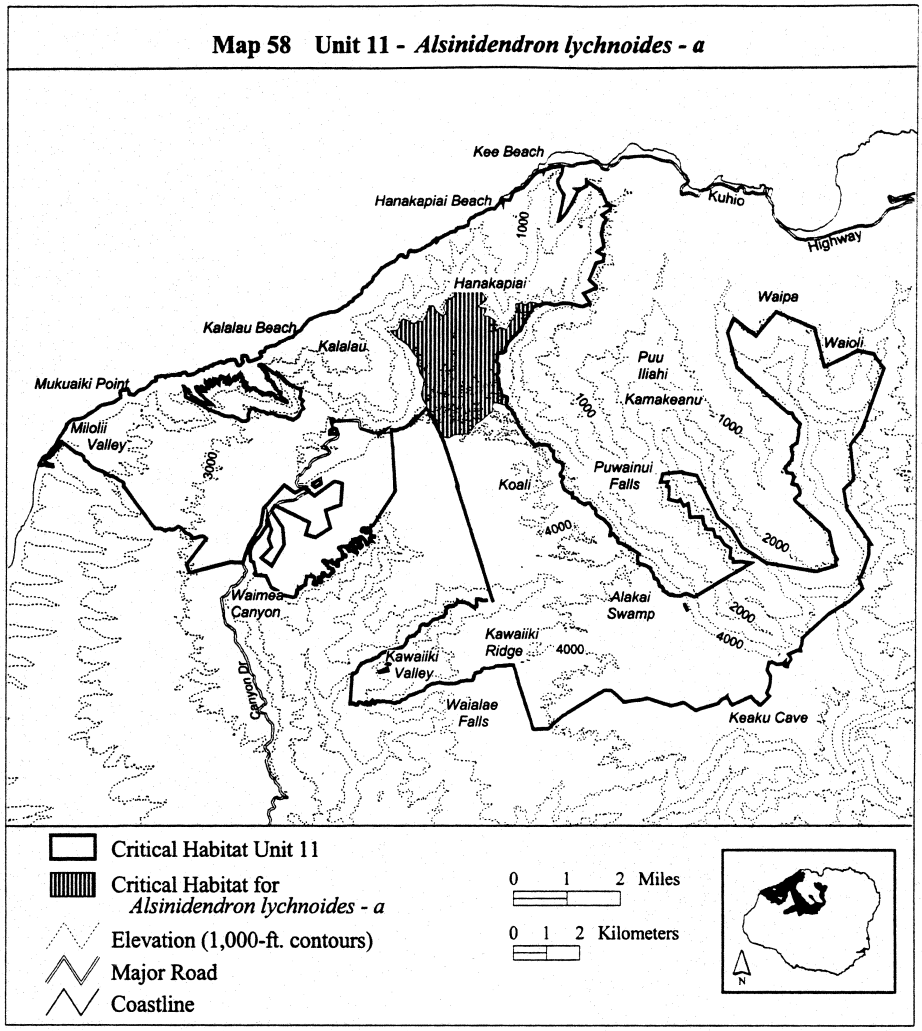


(cxxiii) Kauai 11—*Alsinidendron lychnoides*—a (993 ha; 2,455 ac)

(A) Unit consists of the following 192 boundary points: Start at 439360, 2452812; 439283, 2452730; 439242, 2452604; 439217, 2452559; 439144, 2452406; 439128, 2452379; 439125, 2452373; 439120, 2452368; 439061, 2452327; 439037, 2452297; 439020, 2452266; 438997, 2452241; 438936, 2452213; 438888, 2452163; 438833, 2452090; 438761, 2452013; 438715, 2451908; 438680, 2451858; 438680, 2451783; 438675, 2451766; 438670,

2451754; 438657, 2451738; 438599, 2451708; 438529, 2451692; 438484, 2451690; 438442, 2451682; 438429, 2451670; 438425, 2451652; 438440, 2451600; 438435, 2451571; 438419, 2451509; 438410, 2451464; 438422, 2451414; 438454, 2451380; 438478, 2451359; 438485, 2451346; 438481, 2451287; 438472, 2451261; 438467, 2451228; 438472, 2451209; 438481, 2451188; 438486, 2451163; 438484, 2451141; 438475, 2451113; 438455, 2451089; 438434, 2451069; 438425, 2451047; 438435, 2450985; 438427, 2450964; 438472, 2450910; 438501, 2450796; 438488, 2450686; 438554, 2450559; 438576, 2450448; 438571, 2450438; 438578, 2450438; 438581, 2450423; 438621, 2450415; 438690, 2450392; 438715, 2450373; 438731, 2450342; 438736, 2450325; 438737, 2450311; 438732, 2450286; 438717, 2450241; 438713, 2450206; 438716, 2450162; 438717, 2450158; 438658, 2450128; 438536, 2450165; 438407, 2450217; 438314, 2450210; 438311, 2450196; 438281, 2450069; 438277, 2449915; 438166, 2449844; 438107, 2449793; 437960, 2449667; 437875, 2449601; 437812, 2449579; 437668, 2449383; 437627, 2449302; 437550, 2449262; 437413, 2449247; 437247, 2449258; 437125, 2449214; 436955, 2449122; 436770, 2449170; 436737, 2449184; 436566, 2449559; 436578, 2449579; 436604, 2449675; 436575, 2449727; 436490, 2449760; 436423, 2449793; 436375, 2449838; 436375, 2449882; 436386, 2449952; 436334, 2449989; 436253, 2450044; 436310, 2450116; 436170, 2450294; 436132, 2450455; 436191, 2450690; 436218, 2450861; 436154, 2451005; 436084, 2451096; 436071, 2451235; 435999, 2451347; 436020, 2451545; 435900, 2451671; 435731, 2451919; 435437, 2452127; 435277, 2452266; 435202, 2452357; 435383, 2452379; 435442, 2452416; 435523, 2452667; 435587, 2452715; 435731, 2452662; 435859, 2452597; 435945, 2452592; 436009, 2452651; 436175, 2452641; 436293, 2452859; 436368, 2453095; 436491, 2453121; 436571, 2452971; 436699, 2452864; 436801, 2452816; 436876, 2452886; 436795, 2453040; 436902, 2453276; 437116, 2453404; 437116, 2453510; 437234, 2453580; 437239, 2453681; 437346, 2453810; 437426, 2453991; 437640, 2454012; 437710, 2453996; 437678, 2453943; 437635, 2453900; 437742, 2453809; 437849, 2453788; 437929, 2453799; 437993, 2453676; 437983, 2453510; 438004, 2453441; 438116, 2453323; 438079, 2453254; 437956, 2453184; 437844, 2453099; 437988, 2453045; 438100, 2453045; 438082, 2452951; 438047, 2452880; 438009, 2452858; 438009, 2452826; 438172, 2452798; 438248, 2452739; 438336, 2452682; 438357, 2452597; 438378, 2452559; 438453, 2452532; 438373, 2452458; 438368, 2452410; 438368, 2452361; 438512, 2452447; 438603, 2452442; 438705, 2452399; 438844, 2452644; 438928, 2452744; 439013, 2452928; 438986, 2453175; 439084, 2453179; 439154, 2453195; 439272, 2453141; 439389, 2453216; 439491, 2453221; 439576, 2453193; 439635, 2453173; 439658, 2453123; 439639, 2453119; 439600, 2453107; 439553, 2453082; 439503, 2453046; 439481, 2453022; 439473, 2452985; 439464, 2452963; 439414, 2452909; 439390, 2452876; return to starting point.

(B) NOTE: Map 58 follows:

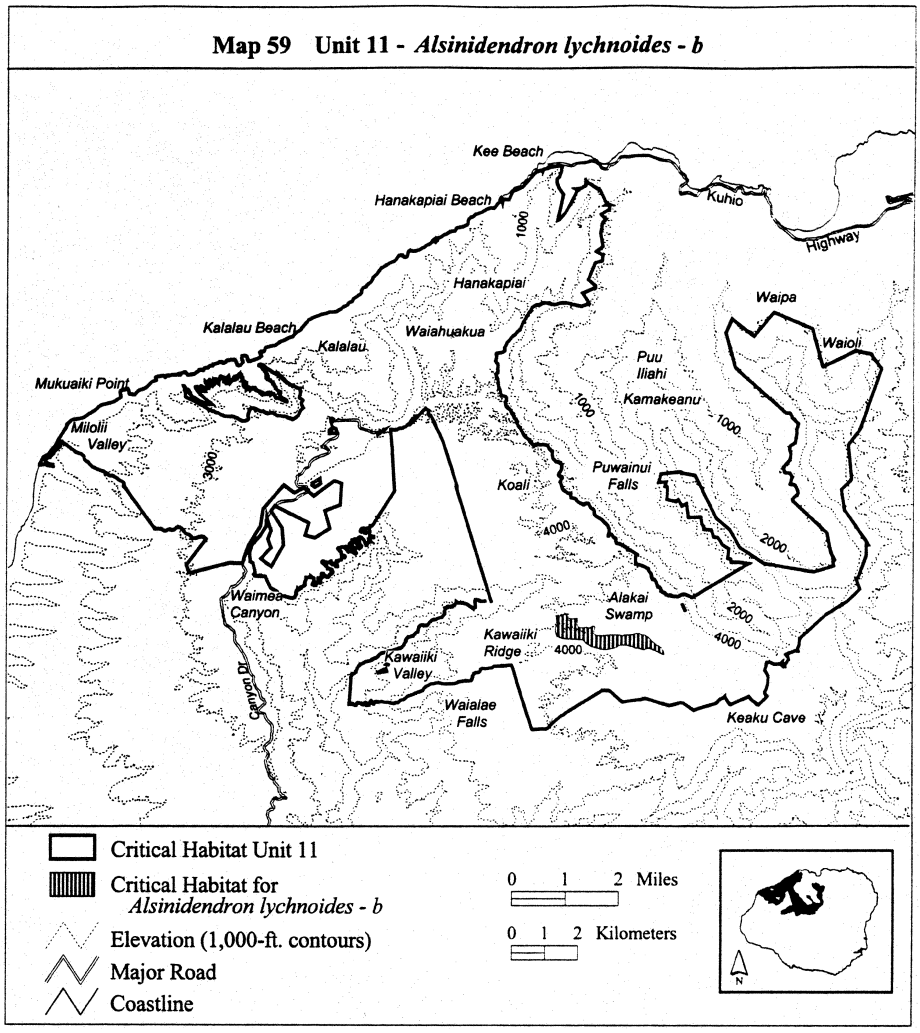


(cxxiv) Kauai 11—*Alsinidendron lychnoides*—b (138 ha; 340 ac)

(A) Unit consists of the following 69 boundary points: Start at 442522, 2443254; 442609, 2443267; 442692, 2443312; 442829, 2443300; 442867, 2443258; 442962, 2443258; 443104, 2443163; 443187, 2443067; 443307, 2442972; 443473, 2442880; 443531, 2442768; 443548, 2442664; 443133, 2442864; 443045, 2442860; 442933, 2442822; 442746, 2442880; 442717, 2442860; 442622, 2442897; 442605, 2442901; 442522, 2442930; 442414, 2442951; 442265, 2442959; 442182, 2442935; 442099, 2442876; 441804, 2442823; 441629, 2442831; 441355, 2442906; 441177, 2443010; 441098, 2443101; 440998, 2443113; 440811, 2443118; 440487, 2443134; 440400, 2443172; 440350, 2443202; 440371, 2443201; 440305, 2443230; 440350, 2443202; 440309, 2443205; 440251, 2443371; 440271, 2443487; 440309, 2443591; 440300, 2443720; 440275, 2443832; 440346, 2443811; 440496, 2443865; 440579, 2443877; 440616, 2443852; 440633, 2443769; 440753, 2443736; 440923, 2443749; 440919, 2443678; 440919, 2443541; 440994, 2443479; 441127, 2443466; 441181, 2443487; 441280,

2443462; 441393, 2443516; 441451, 2443508; 441434, 2443437; 441417, 2443358; 441417, 2443288; 441488, 2443242; 441679, 2443229; 441775, 2443242; 441908, 2443263; 442020, 2443258; 442153, 2443263; 442298, 2443225; 442373, 2443262; return to starting point.

(B) NOTE: Map 59 follows:

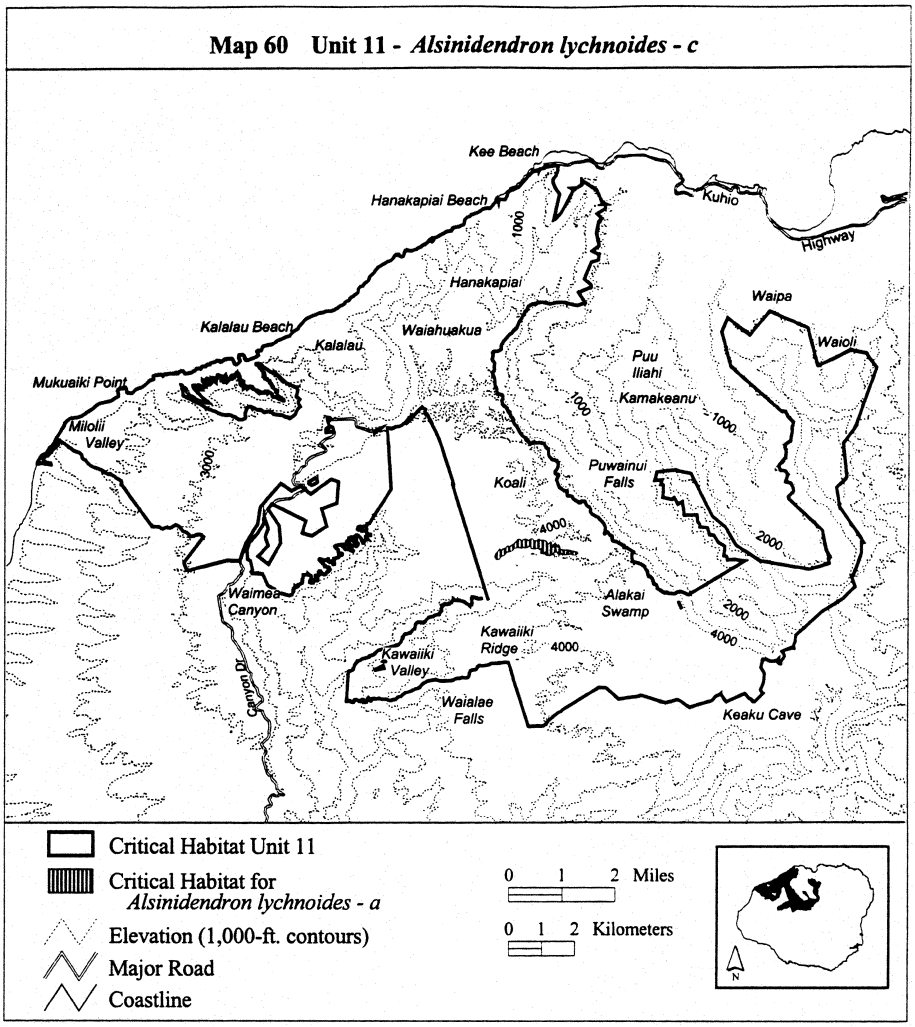


(cxxv) Kauai 11—*Alsinidendron lychnoides*—c (55 ha; 136 ac)

(A) Unit consists of the following 113 boundary points: Start at 438531, 2445488; 438506, 2445513; 438506, 2445542; 438552, 2445621; 438610, 2445684; 438656, 2445758; 438656, 2445742; 438677, 2445713; 438697, 2445708; 438739, 2445721; 438760, 2445758; 438805, 2445779; 438847, 2445791; 438863, 2445825; 438913, 2445854; 438959, 2445820; 439001, 2445850; 439071, 2445899; 439129, 2445953; 439175, 2446007; 439208, 2446045; 439279, 2446045; 439329, 2446007; 439374, 2446028; 439441, 2446061; 439474,

2446044; 439511, 2446020; 439540, 2446020; 439582, 2446049; 439632, 2446069; 439665, 2446044; 439694, 2446011; 439810, 2446007; 439819, 2446049; 439860, 2446065; 439881, 2446036; 439931, 2446015; 440010, 2446019; 440084, 2445994; 440084, 2445957; 440109, 2445903; 440163, 2445932; 440192, 2445978; 440226, 2445978; 440230, 2445932; 440213, 2445828; 440259, 2445808; 440284, 2445837; 440313, 2445874; 440325, 2445924; 440359, 2445936; 440359, 2445882; 440363, 2445849; 440396, 2445857; 440462, 2445870; 440479, 2445791; 440512, 2445749; 440574, 2445716; 440658, 2445716; 440728, 2445729; 440765, 2445708; 440861, 2445683; 440911, 2445683; 441011, 2445670; 441035, 2445621; 440961, 2445579; 440869, 2445571; 440807, 2445604; 440753, 2445587; 440641, 2445571; 440591, 2445588; 440579, 2445612; 440491, 2445621; 440417, 2445608; 440412, 2445646; 440375, 2445671; 440342, 2445662; 440313, 2445633; 440255, 2445583; 440093, 2445567; 440047, 2445592; 440047, 2445654; 439985, 2445625; 439906, 2445621; 439893, 2445642; 439914, 2445696; 439922, 2445762; 439914, 2445779; 439881, 2445733; 439848, 2445758; 439806, 2445791; 439765, 2445754; 439690, 2445754; 439603, 2445779; 439603, 2445824; 439574, 2445849; 439507, 2445808; 439449, 2445787; 439399, 2445791; 439370, 2445837; 439366, 2445812; 439316, 2445775; 439254, 2445800; 439212, 2445808; 439100, 2445771; 439063, 2445700; 438947, 2445663; 438888, 2445663; 438805, 2445563; 438731, 2445542; 438710, 2445538; 438664, 2445459; 438589, 2445434; return to starting point.

(B) NOTE: Map 60 follows:

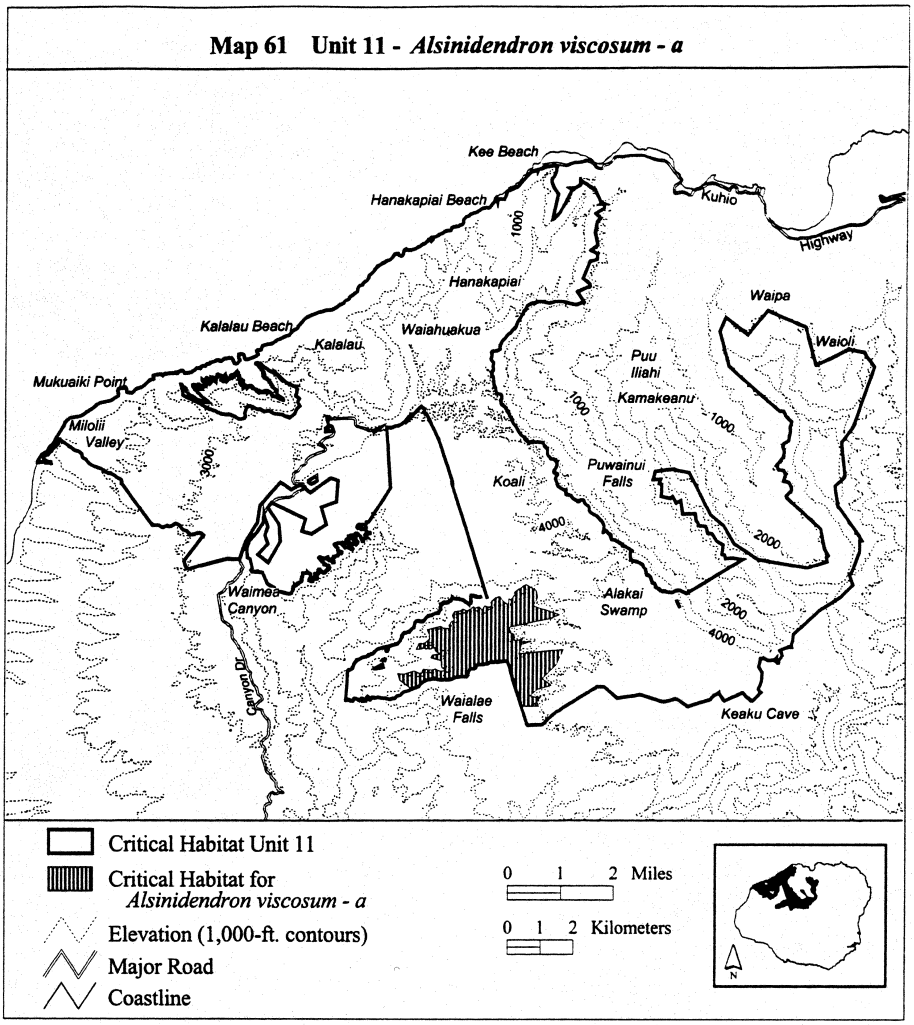


(cxxvi) Kauai 11—*Alsinidendron viscosum*—a (736 ha; 1,819 ac)

(A) Unit consists of the following 208 boundary points: Start at 439373, 2440983; 438934, 2442351; 438866, 2442347; 438838, 2442340; 438821, 2442339; 438757, 2442331; 438721, 2442329; 438704, 2442326; 438694, 2442327; 438679, 2442324; 438656, 2442321; 438626, 2442315; 438609, 2442314; 438561, 2442316; 438535, 2442314; 438523, 2442310; 438517, 2442310; 438496, 2442310; 438460, 2442320; 438453, 2442321; 438436, 2442321; 438433, 2442319; 438418, 2442311; 438392, 2442294; 438376, 2442278; 438355, 2442265; 438305, 2442256; 438254, 2442248; 438238, 2442248; 438219, 2442244; 438157, 2442234; 438130, 2442234; 438114, 2442232; 438098, 2442237; 438065, 2442246; 438049, 2442246; 438030, 2442243; 438012, 2442229; 438000, 2442216; 437998, 2442205; 437996, 2442188; 437984, 2442167; 437973, 2442147; 437954, 2442136; 437939, 2442128; 437926, 2442125; 437912, 2442123; 437873, 2442121; 437839, 2442110; 437826, 2442106; 437806, 2442092; 437791, 2442074; 437777, 2442052; 437766, 2442017; 437758, 2441998; 437754,

2441991; 437751, 2441981; 437745, 2441950; 437740, 2441938; 437736, 2441928; 437717, 2441899; 437711, 2441887; 437705, 2441878; 437689, 2441877; 437674, 2441875; 437647, 2441866; 437635, 2441866; 437617, 2441866; 437602, 2441867; 437566, 2441876; 437532, 2441880; 437522, 2441879; 437495, 2441869; 437460, 2441862; 437391, 2441858; 437366, 2441852; 437346, 2441845; 437332, 2441842; 437317, 2441835; 437287, 2441816; 437274, 2441809; 437240, 2441796; 437224, 2441791; 437181, 2441781; 437150, 2441777; 437111, 2441777; 437096, 2441779; 437062, 2441776; 437008, 2441775; 436960, 2441776; 436912, 2441780; 436895, 2441784; 436825, 2441795; 436799, 2441801; 436777, 2441809; 436730, 2441820; 436695, 2441811; 436666, 2441808; 436638, 2441803; 436618, 2441796; 436593, 2441792; 436583, 2441789; 436541, 2441785; 436492, 2441773; 436453, 2441759; 436419, 2441739; 436408, 2441737; 436374, 2441718; 436357, 2441708; 436342, 2441700; 436319, 2441681; 436285, 2441639; 436272, 2441618; 436247, 2441590; 436228, 2441575; 436203, 2441564; 436181, 2441558; 436167, 2441552; 436155, 2441546; 436121, 2441536; 436070, 2441515; 436039, 2441504; 436033, 2441502; 435654, 2441777; 435600, 2441959; 435782, 2441952; 436106, 2442053; 436248, 2441979; 436335, 2441979; 436369, 2442121; 436450, 2442100; 436659, 2442080; 436740, 2442121; 436915, 2442033; 437084, 2442087; 436936, 2442161; 436922, 2442363; 436625, 2442458; 436666, 2442525; 436888, 2442559; 436740, 2442647; 436720, 2442755; 436558, 2442714; 436524, 2442748; 436450, 2442707; 436403, 2442761; 436302, 2442714; 436160, 2442701; 436248, 2442883; 436410, 2442883; 436571, 2443011; 436551, 2443078; 436558, 2443159; 436504, 2443294; 436916, 2443395; 437003, 2443335; 437192, 2443314; 437152, 2443409; 437226, 2443523; 437327, 2443564; 437266, 2443705; 437320, 2443827; 437523, 2443847; 437583, 2443901; 437718, 2443833; 437921, 2443989; 437948, 2443935; 438062, 2443982; 438170, 2443867; 438251, 2444002; 438366, 2443955; 438447, 2444009; 438440, 2444117; 438575, 2444231; 438710, 2444285; 438804, 2444143; 438959, 2444042; 438986, 2444211; 439047, 2444184; 439074, 2444224; 439162, 2444325; 439155, 2444400; 439499, 2444649; 439823, 2444453; 439850, 2444238; 439735, 2444008; 440518, 2443732; 440241, 2443624; 439007, 2443361; 438993, 2443220; 439155, 2443132; 439128, 2442977; 439283, 2442970; 439405, 2443051; 439357, 2442916; 439668, 2442943; 439364, 2442849; 439283, 2442552; 440646, 2442700; 440437, 2442248; 440005, 2441810; 440281, 2441608; 439863, 2441513; 439641, 2441304; 439769, 2441257; 439964, 2441257; 439769, 2441055; 439904, 2440980; return to starting point.

(B) NOTE: Map 61 follows:

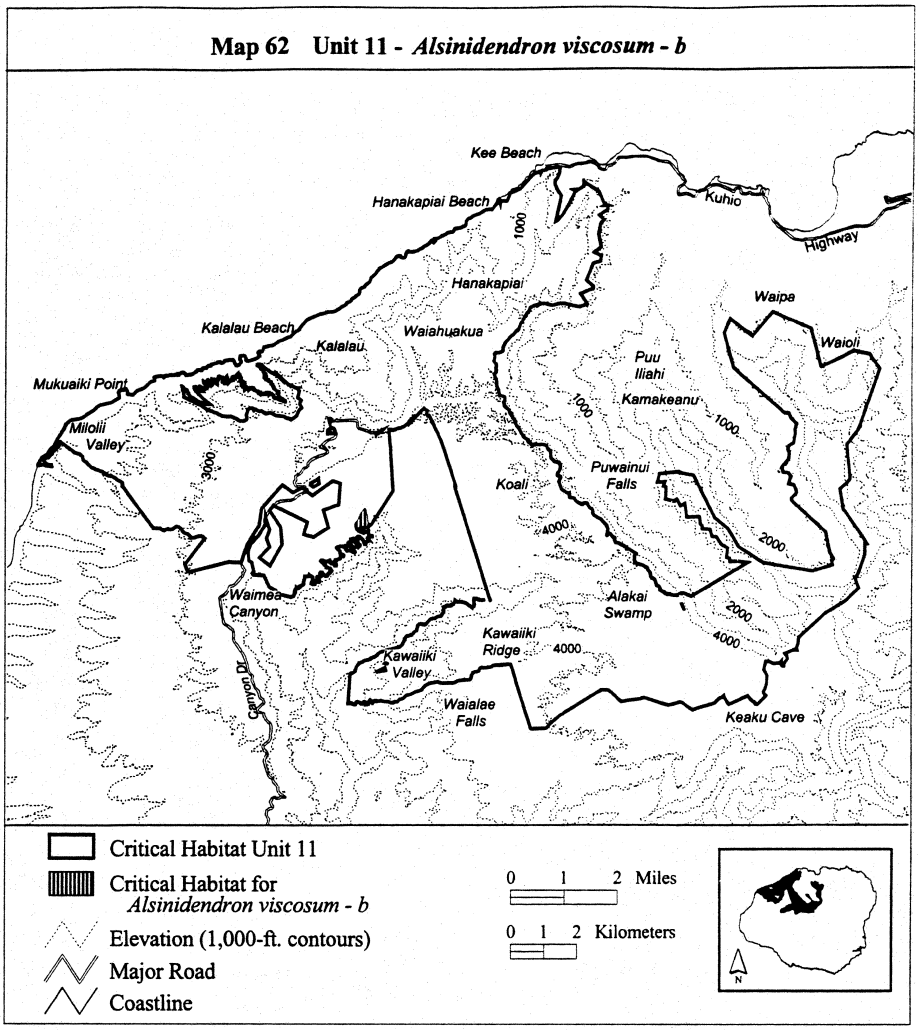


(cxxvii) Kauai 11—*Alsinidendron viscosum*—b (17 ha; 42 ac)

(A) Unit consists of the following 106 boundary points: Start at 434696, 2446537; 434683, 2446522; 434681, 2446520; 434675, 2446517; 434668, 2446521; 434668, 2446521; 434668, 2446522; 434668, 2446522; 434668, 2446522; 434668, 2446523; 434668, 2446523; 434668, 2446523; 434668, 2446524; 434668, 2446524; 434668, 2446525; 434668, 2446525; 434668, 2446525; 434668, 2446526; 434652, 2446530; 434615, 2446532; 434610, 2446511; 434615, 2446491; 434606, 2446463; 434569, 2446454; 434550, 2446470; 434504, 2446463; 434476, 2446440; 434460, 2446433; 434442, 2446465; 434423, 2446465; 434391, 2446428; 434366, 2446435; 434338, 2446426; 434320, 2446403; 434320, 2446371; 434336, 2446358; 434340, 2446352; 434353, 2446346; 434357, 2446343; 434387, 2446345; 434407, 2446334; 434435, 2446292; 434481, 2446285; 434479, 2446232; 434377, 2446272; 434294, 2446325; 434230, 2446392; 434193, 2446470; 434195, 2446546; 434211, 2446580; 434287, 2446652; 434320, 2446721; 434377, 2446857; 434453, 2446984; 434516, 2447023; 434534,

2447011; 434555, 2446861; 434573, 2446827; 434571, 2446746; 434587, 2446615; 434631, 2446567; 434684, 2446543; 434684, 2446543; 434684, 2446543; 434685, 2446543; 434685, 2446543; 434685, 2446543; 434686, 2446543; 434686, 2446543; 434686, 2446543; 434687, 2446543; 434687, 2446543; 434687, 2446543; 434688, 2446543; 434688, 2446543; 434689, 2446543; 434689, 2446543; 434689, 2446543; 434690, 2446543; 434690, 2446543; 434690, 2446543; 434691, 2446543; 434691, 2446543; 434691, 2446543; 434692, 2446543; 434692, 2446543; 434692, 2446543; 434693, 2446543; 434693, 2446543; 434693, 2446543; 434694, 2446543; 434694, 2446543; 434695, 2446542; 434695, 2446542; 434695, 2446542; 434696, 2446542; 434696, 2446542; 434696, 2446542; 434697, 2446542; 434697, 2446542; 434697, 2446541; 434698, 2446541; 434698, 2446541; 434698, 2446541; 434698, 2446541; 434699, 2446541; return to starting point.

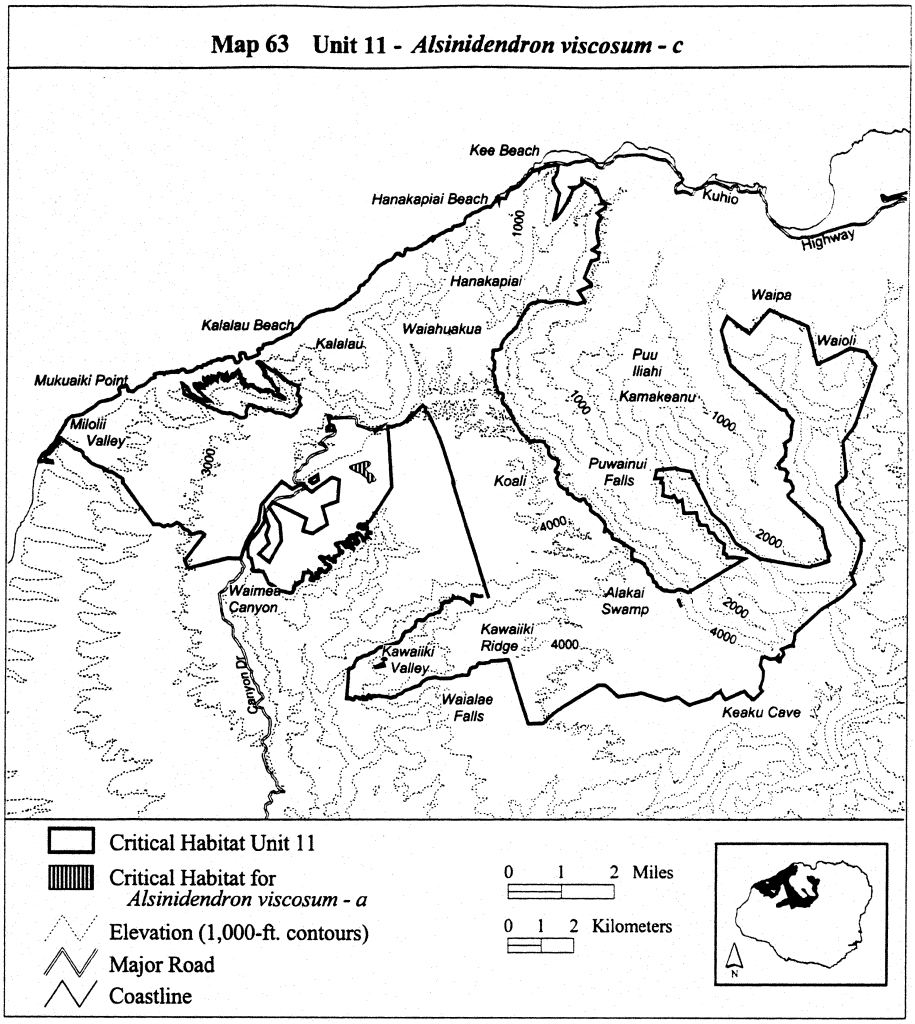
(B) NOTE: Map 62 follows:



(cxxviii) Kauai 11—*Alsinidendron viscosum*—c (22 ha; 55 ac)

(A) Unit consists of the following 27 boundary points: Start at 434055, 2448131; 434055, 2448166; 434207, 2448223; 434407, 2448288; 434564, 2448338; 434672, 2448322; 434718, 2448272; 434714, 2448223; 434679, 2448184; 434610, 2448154; 434550, 2448092; 434580, 2448043; 434656, 2447972; 434725, 2447970; 434765, 2447954; 434880, 2447767; 434825, 2447721; 434767, 2447721; 434714, 2447719; 434716, 2447684; 434672, 2447682; 434626, 2447707; 434610, 2447749; 434612, 2447797; 434400, 2447965; 434283, 2447995; 434151, 2448076; return to starting point.

(B) NOTE: Map 63 follows:

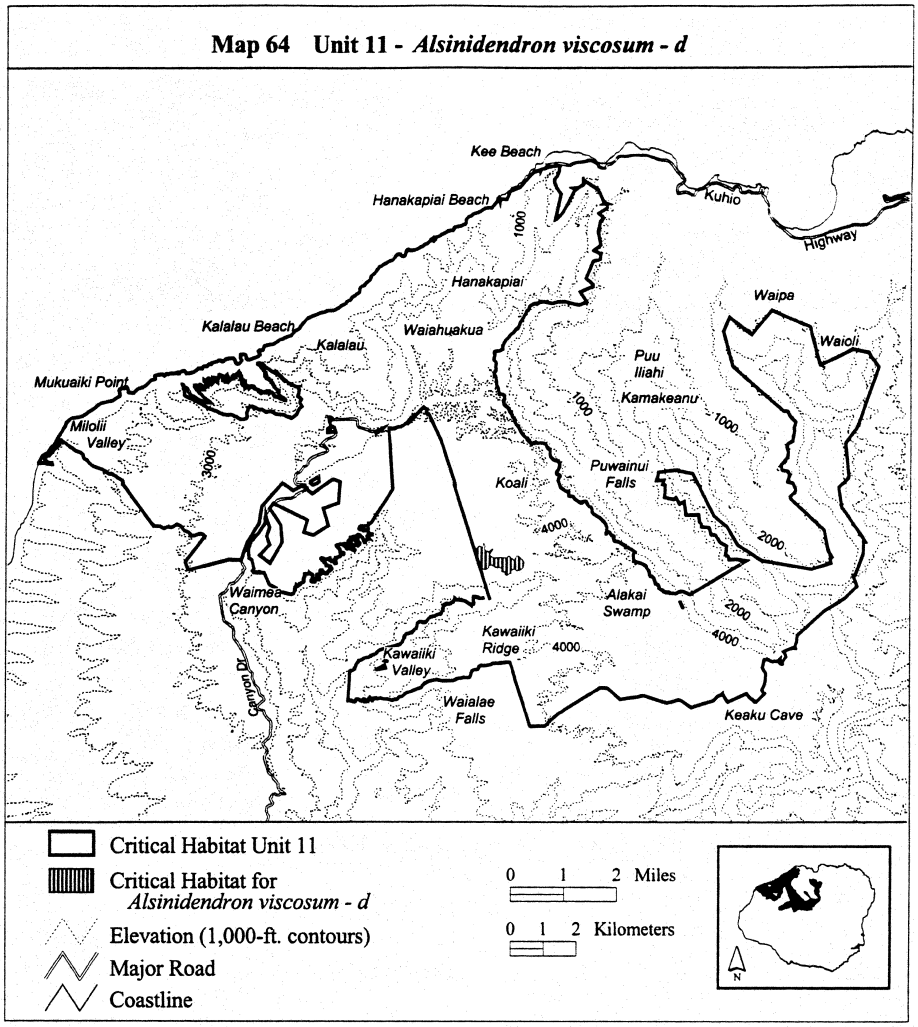


(cxxix) Kauai 11—*Alsinidendron viscosum*—d (61 ha; 150 ac)

(A) Unit consists of the following 63 boundary points: Start at 438024,

2445182; 437858, 2445698; 437863, 2445701; 437907, 2445735; 437930, 2445790; 437989, 2445842; 438041, 2445816; 438078, 2445809; 438112, 2445868; 438115, 2445913; 438130, 2445931; 438175, 2445835; 438156, 2445794; 438152, 2445742; 438193, 2445686; 438275, 2445657; 438297, 2445664; 438375, 2445727; 438401, 2445742; 438401, 2445709; 438368, 2445664; 438312, 2445590; 438312, 2445556; 438353, 2445523; 438464, 2445467; 438546, 2445489; 438609, 2445482; 438732, 2445482; 438814, 2445463; 438892, 2445541; 438929, 2445515; 438981, 2445441; 438999, 2445463; 439066, 2445397; 439137, 2445530; 439200, 2445534; 439330, 2445396; 439352, 2445333; 439333, 2445192; 439274, 2445133; 439192, 2445088; 439125, 2445088; 439085, 2445140; 438996, 2445126; 438970, 2445100; 438962, 2445018; 438921, 2445007; 438825, 2444947; 438784, 2444988; 438762, 2445062; 438713, 2445051; 438680, 2445055; 438680, 2445170; 438602, 2445196; 438535, 2445178; 438476, 2445204; 438431, 2445244; 438364, 2445267; 438286, 2445237; 438268, 2445185; 438219, 2445118; 438141, 2445118; 438030, 2445174; return to starting point.

(B) NOTE: Map 64 follows:



(cxxx) Kauai 11—*Astelia waialealae*—b

(A) This is a unit of the Montane Wet ecosystem and consists of 14,096 ac (5,704 ha). This unit is also critical habitat for Kauai 11–*Chamaesyce remyi* var. *remyi*–f, Kauai 11–*Dryopteris crinalis* var. *podosorus*–b, Kauai 11–*Dubautia kalalauensis*–b, Kauai 11–*Dubautia waialealae*–b, Kauai 11–*Geranium kauaiense*–b, Kauai 11–*Keysseria erici*–b, Kauai 11–*Keysseria helenae*–b, Kauai 11–*Labordia helleri*–d, Kauai 11–*Labordia pumila*–b, Kauai 11–*Lysimachia daphnoides*–b, Kauai 11–*Melicope degeneri*–b, Kauai 11–*Melicope puberula*–c, Kauai 11–*Myrsine mezii*–b, Kauai 11–*Phyllostegia renovans*–c, Kauai 11–*Platydesma rostrata*–f, Kauai 11–*Psychotria grandiflora*–b, and Kauai 11–*Tetraplasandra flynnii*–c (see paragraphs (a)(1)(cxlii), (a)(1)(clxxvii), (a)(1)(clxxix), (a)(1)(clxxxv), (a)(1)(cxcix), (a)(1)(ccxvi), (a)(1)(ccxvii), (a)(1)(ccxxii), (a)(1)(ccxxix), (a)(1)(ccxxxv), (a)(1)(ccxli), (a)(1)(ccxlix), (a)(1)(cclviii),

(a)(1)(cclxvi), (a)(1)(cclxxvii), (a)(1)(ccxc), and (a)(1)(cccxxxiv), respectively, of this section).

(1) This unit includes land bounded by the following UTM Zone 4, NAD83 coordinates (E, N): 441848, 2446265; 441620, 2446723; 442005, 2446171; 441982, 2446194; 441963, 2446219; 441943, 2446256; 441929, 2446268; 441897, 2446273; 441879, 2446263; 441852, 2446219; 442039, 2446165; 441834, 2446230; 442059, 2446159; 441855, 2446295; 441856, 2446328; 441868, 2446401; 441864, 2446424; 441847, 2446451; 441836, 2446475; 441829, 2446501; 441829, 2446505; 441674, 2446682; 440599, 2447501; 441838, 2446221; 442317, 2445917; 442501, 2445803; 442492, 2445803; 442467, 2445799; 442448, 2445805; 442444, 2445807; 442435, 2445813; 442430, 2445827; 442430, 2445830; 442428, 2445851; 442019, 2446165; 445907, 2442657; 441584, 2446741; 442273, 2445945; 442261, 2445949; 442202, 2445986; 442175, 2445995; 442100, 2446007; 442082, 2446029; 442072, 2446052; 442067, 2446082; 442073, 2446121; 442071, 2446146; 442381, 2445882; 440800, 2447339; 441648, 2446705; 441083, 2447147; 441058, 2447153; 441039, 2447168; 440969, 2447210; 440941, 2447230; 440888, 2447250; 440873, 2447265; 440865, 2447286; 441113, 2447170; 440842, 2447328; 441133, 2447183; 440740, 2447346; 440722, 2447354; 440710, 2447368; 440699, 2447389; 440693, 2447407; 440695, 2447430; 440703, 2447452; 440703, 2447461; 440693, 2447475; 443497, 2444548; 440858, 2447311; 441373, 2447026; 441549, 2446752; 441532, 2446763; 441521, 2446777; 441476, 2446797; 441455, 2446804; 441434, 2446820; 441405, 2446869; 441402, 2446899; 441403, 2446972; 441095, 2447154; 441398, 2446997; 442710, 2445647; 441363, 2447030; 441317, 2447043; 441283, 2447083; 441268, 2447104; 441240, 2447171; 441231, 2447186; 441219, 2447195; 441201, 2447195; 441172, 2447190; 441148, 2447188; 441399, 2446995; 443193, 2444946; 442711, 2445664; 443294, 2444870; 443290, 2444876; 443281, 2444890; 443271, 2444898; 443260, 2444907; 443252, 2444914; 443240, 2444927; 443234, 2444932; 443307, 2444833; 443196, 2444944; 443309, 2444829; 443177, 2444962; 443175, 2444965; 443163, 2444984; 443158, 2444995; 443156, 2445003; 443153, 2445020; 443153, 2445040; 443152, 2445059; 443150, 2445078; 443144, 2445096; 443215, 2444938; 443303, 2444695; 443483, 2444551; 443478, 2444555; 443464, 2444570; 443459, 2444579; 443452, 2444591; 443447, 2444608; 443444, 2444627; 443443, 2444647; 443440, 2444655; 443301, 2444851; 443423, 2444686; 443122, 2445132; 443385, 2444699; 443373, 2444702; 443366, 2444706; 443352, 2444721; 443346, 2444728; 443341, 2444740; 443333, 2444758; 443327, 2444778; 443320, 2444796; 443313, 2444815; 443435, 2444664; 442675, 2445453; 442804, 2445357; 442798, 2445359; 442785, 2445364; 442765, 2445370; 442747, 2445377; 442743, 2445378; 442727, 2445386; 442709, 2445399; 442694, 2445414; 443140, 2445105; 442682, 2445433; 442858, 2445342; 442671, 2445471; 442667, 2445490; 442668, 2445494; 442672, 2445510; 442673, 2445515; 442668, 2445560; 442666, 2445576; 442668, 2445590; 442674, 2445604; 440579, 2447511; 442689, 2445419; 442990, 2445276; 442713, 2445661; 443103, 2445152; 443083, 2445171; 443066, 2445190; 443066, 2445209; 443067, 2445215; 443068, 2445227; 443065, 2445247; 443047, 2445260; 443029, 2445263; 442821, 2445353; 443006, 2445268; 442842, 2445347; 442981, 2445284; 442972, 2445292; 442956, 2445301; 442952, 2445303; 442934, 2445314; 442915, 2445323; 442898, 2445330; 442877, 2445336; 442862, 2445341; 443135, 2445115; 443009, 2445266; 438435, 2450985; 438472, 2451261; 438715, 2450373; 438690, 2450392; 438621, 2450415; 438581, 2450423; 438578, 2450438; 438554, 2450559; 438488, 2450686; 438501, 2450796; 438736, 2450325; 438427, 2450964; 438737, 2450311; 438425, 2451047; 438434, 2451069; 438455, 2451089; 438463, 2451098; 438475, 2451113; 438484, 2451141; 438486, 2451163; 438481, 2451188; 438472, 2451209; 440674, 2447485; 438472, 2450910; 438831, 2450010; 439025, 2449671; 439016, 2449687; 438999, 2449702; 438974, 2449738; 438965, 2449767; 438944, 2449813; 438919, 2449853; 438904, 2449863; 438894, 2449879; 438731, 2450342; 438850, 2449982; 438481, 2451287; 438816, 2450028; 438791, 2450036; 438765, 2450051; 438744, 2450081; 438730, 2450109; 438717, 2450158; 438716, 2450162; 438713, 2450206; 438717, 2450241; 438732, 2450286; 438884, 2449918; 438851, 2452395; 438467, 2451228; 438979, 2452233; 439031, 2452285; 439037, 2452297; 439061, 2452327; 439083, 2452342; 439138, 2452428; 439171, 2452514; 439201, 2452565; 438936, 2452213; 438954, 2452430; 438888, 2452163; 438816, 2452396; 438779, 2452391; 438716, 2452393; 438669, 2452384; 438605, 2452379; 438540, 2452374; 438510, 2452340; 438449, 2452330; 438431, 2452414; 438490, 2452605; 439114, 2452513; 438484, 2451690; 438485, 2451346; 438478, 2451359; 438454, 2451380; 438422, 2451414; 438410, 2451464; 438419, 2451509; 438435, 2451571; 438440, 2451600; 438425, 2451652; 438977, 2452232; 438442, 2451682; 439065, 2449586; 438529, 2451692; 438599, 2451708; 438657, 2451738;

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(2) This unit includes land bounded by the following UTM Zone 4, NAD 83 coordinates (E, N): 433880, 2448827; 434279, 2447951; 434073, 2448685; 434228, 2448620; 434292, 2448479; 433725, 2448994; 434318, 2448298; 434357, 2447229; 434202, 2447345; 434086, 2447693; 434254, 2447886; 433546, 2449412; 434073, 2447500; 434163, 2447783; 434318, 2448182; 433545, 2449136; 433389, 2449256; 433567, 2449260; 433588, 2449244; 433599, 2449252; 433612, 2449262; 433567, 2449398; 433525, 2449415; 433448, 2449426; 434486, 2447126; 434498, 2449522; 433367, 2449352; 433339, 2449381; 433368, 2449293; 433589, 2449323; 435236, 2449347; 433313, 2449484; 434899, 2449305; 434074, 2449972; 434124, 2449948; 434137, 2449869; 434141, 2449863; 434208, 2449767; 434338, 2449660; 434752, 2449405; 435080, 2449407; 435183, 2449401; 435232, 2449399; 434920, 2449394; 435236, 2449351; 434627, 2447088; 435266, 2448909; 435272, 2448835; 435282, 2448685; 435360, 2447538; 435295, 2447440; 435290, 2447449; 435093, 2447245; 434994, 2447085; 434795, 2447069; 434738, 2447030; 434738, 2447045; 434713, 2447038; 434686, 2447020; 435234, 2449384; 434884, 2449298; 434026, 2449951; 434034, 2449950; 434074, 2449972; 434844, 2449248; 434848, 2449239; 434872, 2449246; 434890, 2449251; 434908, 2449290; 434908, 2449290; 434948, 2449300; 435005, 2449310; 435010, 2449343; 433969, 2449958; 434898, 2449304; 435010, 2449343; 434881, 2449297; 434872, 2449294; 434833, 2449281; 434833, 2449280; 434833, 2449278; 434833, 2449278; 434834, 2449277; 434839, 2449258; 434842, 2449253; 434844, 2449248; 433339, 2449600; 434991, 2449344; 434938, 2449321; 433440, 2449604; 433460, 2449707;

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(3) This unit includes land bounded by the following UTM Zone 4, NAD83 coordinates (E, N): 448881, 2447609; 449040, 2448659; 449045, 2448506; 449032, 2448326; 449044, 2448132; 449087, 2447916; 448981, 2446981; 448979, 2446983; 448980, 2446982; 448980, 2446980; 449012, 2448822; 449105, 2447827; 448702, 2449395; 448235, 2448042; 448931, 2447092; 448577, 2449143; 448641, 2449184; 448610, 2449255; 448623, 2449141; 448613, 2449357; 448987, 2448959; 448812, 2449420; 448906, 2449440; 448959, 2449443; 448964, 2449425; 448952, 2449316; 448954, 2449143; 448593, 2449298; 448511, 2449199; 448321, 2447795; 448887, 2447191; 448577, 2449143; 448440, 2449296; 448382, 2449406; 448328, 2449449; 448242, 2449457; 448099, 2449454; 448059, 2449434; 448056, 2449368; 448091, 2449266; 448119, 2449134; 448122, 2449037; 448288, 2447915; 448834, 2447273; 448763, 2447342; 448088, 2448897; 448412, 2447653; 448669, 2447406; 448133, 2448200; 448042, 2448338; 447976, 2448470; 447943, 2448562; 447961, 2448628; 448037, 2448780; 448516, 2447525.

(4) This unit includes land bounded by the following UTM Zone 4, NAD83 coordinates (E, N): 447249, 2443451; 447247, 2443586; 447295, 2443639; 447325, 2443651; 447556, 2443686; 447603, 2443646; 447616, 2443588; 447631, 2443389; 447645, 2443143; 447623, 2443445; 447287, 2443339; 447374, 2443275; 447631, 2443389; 447636, 2443160; 447645, 2443146; 447894, 2443371; 447865, 2443358; 447712, 2443351; 447481, 2443262.

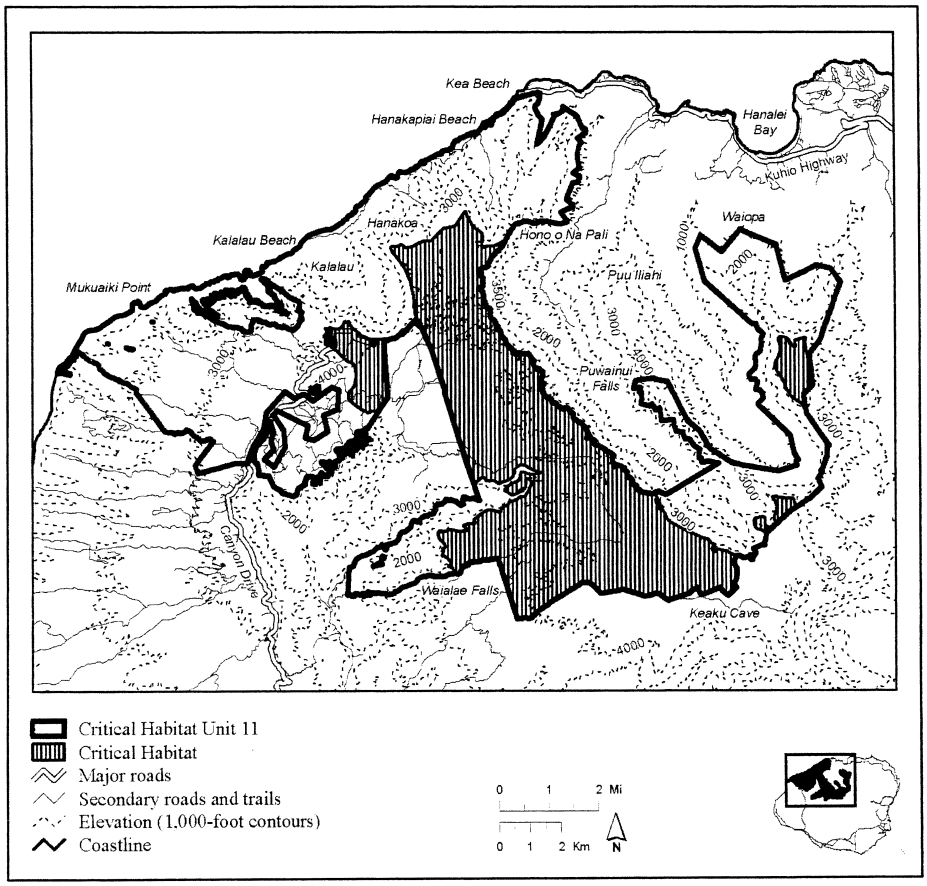
(5) This unit includes land bounded by the following UTM Zone 4, NAD83 coordinates (E, N): 448470, 2443889; 448141, 2444294; 448479, 2443895; 448470, 2443888; 447864, 2444277; 448479, 2443895; 448609, 2443974; 448591, 2444072; 448566, 2444172; 448548, 2444233; 448510, 2444279; 448464, 2444284; 448299, 2444289; 447925, 2444320; 447843, 2444325; 448458, 2443882; 447942, 2444178; 448003, 2444015; 448008, 2443903; 447967, 2443867; 447932, 2443750; 447904, 2443646; 447921, 2443582; 447949, 2443460; 447939, 2443412; 447996, 2444312.

(B) Note: Map 64a follows:

Map 64a

Kauai 11–*Astelia waialealae*–b, Kauai 11–*Chamaesyce remyi* var. *remyi*–f, Kauai 11–*Dryopteris crinalis* var. *podosorus*–b, Kauai 11–*Dubautia kalalauensis*–b, Kauai 11–*Dubautia waialealae*–b, Kauai 11–*Geranium kauaiense*–b, Kauai 11–*Keysseria erici*–b, Kauai 11–*Keysseria helenae*–b, Kauai 11–*Labordia helleri*–d, Kauai 11–*Labordia pumila*–b, Kauai 11–*Lysimachia daphnoides*–b, Kauai 11–*Melicope degeneri*–b, Kauai 11–*Melicope puberula*–c, Kauai 11–*Myrsine mezii*–b, Kauai 11–*Phyllostegia renovans*–c, Kauai 11–*Platydesma rostrata*–f, Kauai 11–*Psychotria grandiflora*–b, Kauai 11–*Tetraplasandra flynnii*–c

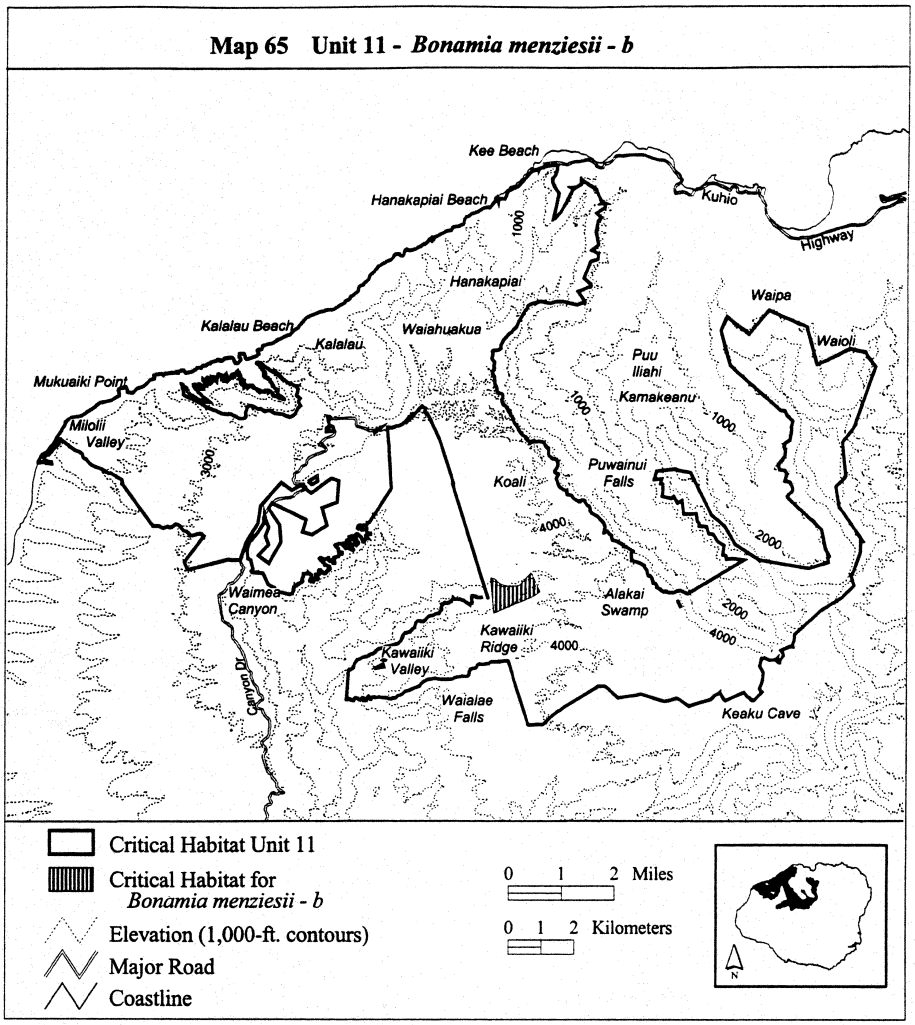
Montane Wet



(cxxxi) Kauai 11—*Bonamia menziesii*—b (93 ha; 229 ac)

(A) Unit consists of the following 12 boundary points: Start at 438424, 2444853; 438550, 2444811; 438668, 2444697; 438924, 2444597; 439252, 2444612; 439616, 2444997; 439629, 2445010; 439911, 2444437; 439905, 2444434; 439701, 2444298; 438490, 2443789; 438404, 2444823; return to starting point.

(B) NOTE: Map 65 follows:



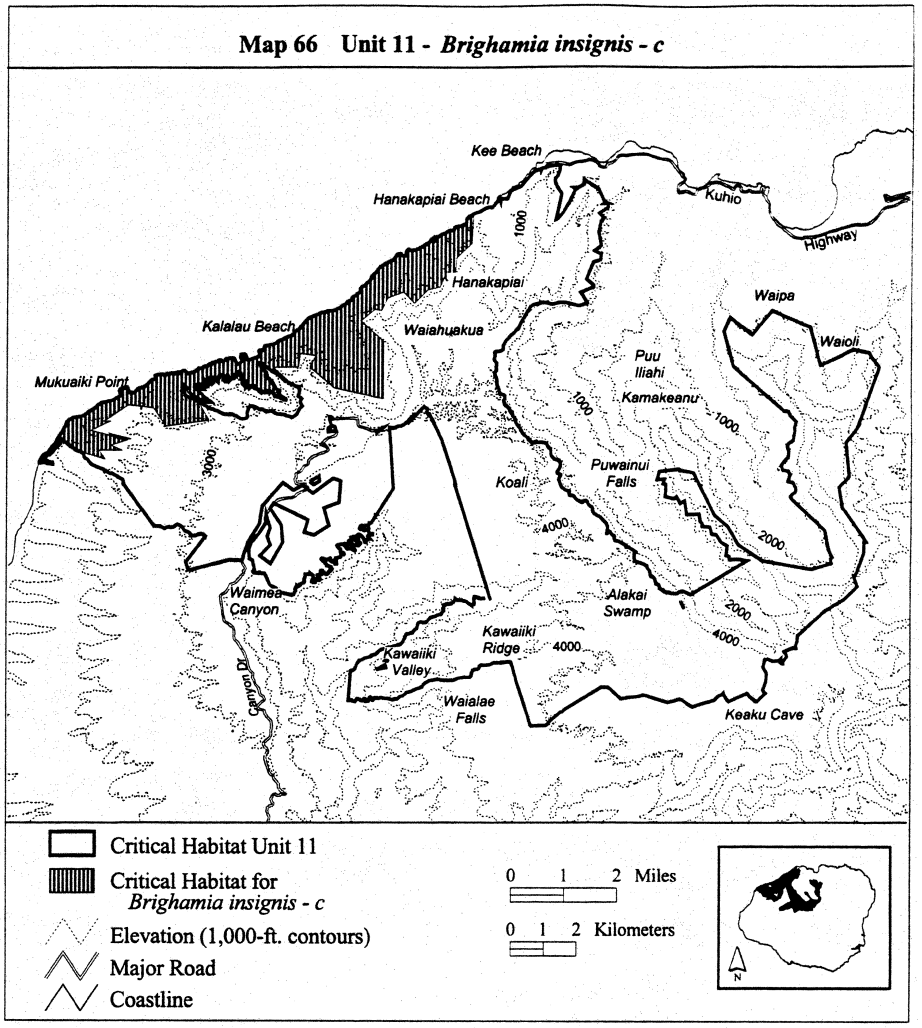
(cxxxii) Kauai 11—*Brighamia insignis*—c (1,645 ha; 4,066 ac)

(A) Unit consists of the following 807 boundary points: coastline; 430380, 2450816; 430372, 2450803; 430368, 2450818; 430364, 2450833; 430362, 2450842; 430355, 2450855; 430348, 2450863; 430335, 2450873; 430331, 2450883; 430328, 2450897; 430326, 2450922; 430319, 2450953; 430305, 2450972; 430295, 2450980; 430285, 2450982; 430281, 2450979; 430276, 2450975; 430272, 2450958; 430273, 2450938; 430261, 2450933; 430250, 2450924; 430246, 2450905; 430251, 2450875; 430256, 2450842; 430268, 2450786; 430261, 2450779; 430252, 2450779; 430249, 2450795; 430246, 2450807; 430242, 2450821; 430234, 2450838; 430217, 2450857; 430209, 2450860; 430204, 2450855; 430197, 2450844; 430193, 2450832; 430172, 2450844; 430173, 2450865; 430175, 2450880; 430183, 2450896; 430192, 2450910; 430197, 2450925; 430197, 2450937; 430194, 2450949; 430187, 2450962; 430177, 2450971; 430166, 2450974; 430154, 2450976; 430132, 2450976; 430116, 2450985; 430107, 2450980; 430091, 2450975; 430078, 2450990; 430069, 2450993; 430061, 2450978; 430054,

2450938; 430051, 2450920; 430030, 2450915; 430016, 2450914; 430010, 2450909; 430009, 2450885; 430018, 2450854; 430024, 2450828; 430018, 2450825; 430011, 2450820; 430009, 2450808; 430013, 2450787; 430022, 2450756; 430002, 2450778; 429994, 2450795; 429984, 2450820; 429965, 2450849; 429939, 2450888; 429927, 2450906; 429914, 2450914; 429910, 2450911; 429907, 2450899; 429909, 2450889; 429915, 2450875; 429923, 2450865; 429926, 2450848; 429926, 2450827; 429923, 2450820; 429918, 2450819; 429909, 2450824; 429905, 2450835; 429897, 2450849; 429889, 2450860; 429879, 2450871; 429869, 2450875; 429863, 2450868; 429863, 2450852; 429861, 2450836; 429866, 2450814; 429870, 2450799; 429879, 2450785; 429885, 2450774; 429883, 2450763; 429879, 2450756; 429874, 2450750; 429875, 2450744; 429873, 2450736; 429866, 2450746; 429861, 2450753; 429854, 2450754; 429848, 2450756; 429843, 2450769; 429841, 2450785; 429827, 2450802; 429816, 2450819; 429797, 2450845; 429773, 2450868; 429738, 2450896; 429724, 2450899; 429720, 2450887; 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2448807; 425136, 2448801; 425124, 2448795; 425120, 2448790; 425112, 2448785; 425100, 2448774; 425094, 2448768; 425081, 2448757; 425070, 2448745; 425062, 2448734; 425053, 2448723; 425044, 2448711; 425043, 2448695; 425029, 2448684; 425024, 2448675; 425017, 2448667; 425011, 2448659; 424999, 2448650; 424991, 2448642; 424980, 2448628; 424973, 2448615; 424956, 2448592; 424936, 2448587; 424929, 2448581; 424924, 2448574; 424917, 2448569; 424910, 2448561; 424906, 2448551; 424898, 2448552; 424886, 2448554; 424877, 2448554; 424871, 2448552; 424863, 2448548; 424849, 2448543; 424840, 2448538; 424824, 2448534; 424811, 2448524; 424803, 2448521; 424795, 2448511; 424785, 2448498; 424778, 2448484; 424774, 2448461; 424778, 2448445; 424791, 2448421; 424819, 2448402; 424832, 2448389; 424848, 2448376; 424871, 2448368; 424900, 2448356; 424929, 2448346; 424953, 2448337; 424973, 2448335; 424990, 2448333; 424997, 2448333; 425003, 2448327; 425006, 2448318; 425009, 2448308; 425011, 2448298; 425013, 2448289; 425015, 2448280; 425010, 2448272; 424998, 2448277; 424991, 2448284; 424983, 2448288; 424971, 2448291; 424957, 2448291; 424948, 2448290; 424933, 2448287; 424927, 2448284; 424915, 2448289; 424892, 2448299; 424874, 2448301; 424841, 2448311; 424823, 2448330; 424803, 2448337; 424777, 2448336; 424735, 2448339; 424711, 2448334; 424677, 2448333; 424664, 2448328; 424648, 2448323; 424633, 2448323; 424626, 2448324; 437770, 2455823; coastline.

(B) NOTE: Map 66 follows:



(cxxxiii) Kauai 11–*Canavalia napaliensis*–b

(A) This is a unit of the Lowland Mesic ecosystem and consists of 2,590 ac (1,048 ha). This unit is also critical habitat for Kauai 11–*Chamaesyce eleanoriae*–b, Kauai 11–*Chamaesyce remyi* var. *remyi*–g, Kauai 11–*Charpentiera densiflora*–c, Kauai 11–*Doryopteris angelica*–b, Kauai 11–*Dubautia kenwoodii*–b, Kauai 11–*Labordia helleri*–e, Kauai 11–*Pittosporum napaliense*–b, Kauai 11–*Platydesma rostrata*–g, Kauai 11–*Psychotria hobdyi*–b, and Kauai 11–*Tetraplasandra bisattenuata*–c (see paragraphs (a)(1)(cxxxv), (a)(1)(cxliii), (a)(1)(cxlvii), (a)(1)(clxxvi), (a)(1)(clxxx), (a)(1)(ccxxiii), (a)(1)(cclxxii), (a)(1)(cclxxviii), (a)(1)(ccxcii), and (a)(1)(cccxxxii), respectively, of this section).

(1) This unit includes land bounded by the following UTM Zone 4, NAD83 coordinates (E, N): 429310, 2448345; 429679, 2448361; 427873, 2448495; 429992, 2448363; 428727, 2448356; 428429, 2448252;

428229, 2448295; 428072, 2448380; 429040, 2448343; 427702, 2448480; 427616, 2448566; 427957, 2448626; 428640, 2448616; 428497, 2448745; 430177, 2448336; 429127, 2448025; 428184, 2448758; 427985, 2448814; 428413, 2448542; 429801, 2448080; 430583, 2449736; 428239, 2449004; 428246, 2447831; 428459, 2447934; 428558, 2447963; 428771, 2448066; 428927, 2448067; 429511, 2447984; 429626, 2447973; 430131, 2448232; 429914, 2448112; 429866, 2448131; 430049, 2448165; 430037, 2448217; 430042, 2448265; 430059, 2448285; 430092, 2448290; 430115, 2448276; 429340, 2447983; 430819, 2449646; 430408, 2449802; 430410, 2449802; 430405, 2449796; 428032, 2447946; 430527, 2449754; 427907, 2446845; 430635, 2449693; 430471, 2449787; 430720, 2449646; 430340, 2449778; 430899, 2449674; 430918, 2449717; 430904, 2449834; 430927, 2449905; 430948, 2449965; 431049, 2449934; 431249, 2449791; 430696, 2449656; 430016, 2449884; 429093, 2448894; 428893, 2449066; 428991, 2449270; 429489, 2449345; 429872, 2449507; 430071, 2449494; 430041, 2449682; 430392, 2449798; 430004, 2449889; 430365, 2449787; 430027, 2449878; 430068, 2449856; 430088, 2449848; 430172, 2449815; 430207, 2449804; 430261, 2449795; 430317, 2449781; 428666, 2448993; 429941, 2449841; 430191, 2446386; 428996, 2446347; 430671, 2447997; 430690, 2447765; 430393, 2447748; 430242, 2447664; 430107, 2447429; 430073, 2447126; 430793, 2448310; 430291, 2446570; 430886, 2448507; 429871, 2446234; 429547, 2446209; 429451, 2446226; 429357, 2446224; 429280, 2446207; 429242, 2446209; 429160, 2446277; 428149, 2446847; 430124, 2446907; 431362, 2449169; 431520, 2449691; 431720, 2449620; 431705, 2449569; 431769, 2449447; 431727, 2449372; 431403, 2449436; 431322, 2449418; 430764, 2448188; 431391, 2449273; 428979, 2446425; 431200, 2449070; 431205, 2448983; 431414, 2448890; 431629, 2448739; 431560, 2448675; 431171, 2448699; 430985, 2448705; 430903, 2448664; 431322, 2449372; 427039, 2447867; 429036, 2446320; 427161, 2447669; 427157, 2447676; 427157, 2447711; 427165, 2447729; 427158, 2447803; 427133, 2447817; 427520, 2447201; 427039, 2447866; 427535, 2447190; 427001, 2447889; 426958, 2448061; 426963, 2448149; 427064, 2448142; 427235, 2448086; 427563, 2447928; 427677, 2447929; 427733, 2448045; 427108, 2447853; 428047, 2446484; 428831, 2446497; 428775, 2446510; 428706, 2446470; 428620, 2446396; 428570, 2446443; 428493, 2446458; 428399, 2446395; 427178, 2447664; 428248, 2446467; 427932, 2448032; 427784, 2446844; 429744, 2449390; 427992, 2446846; 431520, 2449691; 428177, 2446890; 428105, 2447006; 427906, 2447077; 427734, 2447192; 428326, 2446439; 429333, 2449272.

(2) This unit includes land bounded by the following UTM Zone 4, NAD83 coordinates (E, N): 434084, 2450395; 434586, 2450652; 434573, 2450493; 434417, 2450376; 434288, 2450520; 434089, 2450518; 433962, 2450344; 435379, 2451538; 433998, 2450334; 434826, 2450972; 434156, 2450444; 434237, 2450456; 434288, 2450459; 434329, 2450469; 434298, 2450420; 434255, 2450337; 433951, 2450321; 435177, 2451612; 435402, 2451617; 435412, 2451678; 435318, 2451714; 435231, 2451780; 435178, 2451869; 435105, 2451886; 434656, 2450870; 435205, 2451713; 434640, 2451058; 435064, 2451510; 435050, 2451437; 435164, 2451394; 435165, 2451250; 435152, 2451105; 435053, 2450974; 434229, 2450100; 435091, 2451771; 435635, 2451403; 434201, 2450220; 435693, 2450581; 435744, 2450673; 435769, 2450813; 435762, 2450931; 435759, 2450963; 435608, 2450342; 435676, 2451273; 435567, 2450146; 435602, 2451485; 435568, 2451531; 435564, 2451535; 435526, 2451558; 435488, 2451543; 435455, 2451520; 435379, 2451538; 435724, 2451110; 434791, 2450099; 434415, 2450298; 434275, 2450082; 434315, 2450105; 434354, 2450189; 434458, 2450344; 434527, 2450344; 435649, 2450502; 434695, 2450176; 434198, 2450176; 434834, 2450015; 434933, 2449939; 435091, 2449882; 435257, 2449864; 435432, 2449887; 435496, 2449915; 435537, 2449994; 434578, 2450244; 434504, 2450369.

(3) This unit includes land bounded by the following UTM Zone 4, NAD83 coordinates (E, N): 434600, 2453100; 434431, 2452829; 434289, 2452715; 434275, 2452687; 434275, 2452765; 434274, 2452895; 435095, 2453567; 434458, 2453099; 434814, 2453088; 434628, 2453158; 434656, 2453260; 434769, 2453333; 434911, 2453349; 435025, 2453349; 434330, 2453055; 434735, 2453035; 435237, 2453582; 434890, 2453142; 434915, 2453139; 434902, 2452974; 434943, 2452791; 435055, 2452699; 435187, 2452668; 435284, 2452706; 435360, 2452826; 435353, 2452958; 435266, 2453062; 435177, 2453131; 435129, 2453220; 434569, 2452921; 435534, 2453517; 435067, 2453494; 435279, 2453583; 435145, 2453314; 435221, 2453373; 435488, 2453454; 435129, 2453220; 435626, 2453626; 435703, 2453748; 435563, 2453642; 435772, 2453903; 435792, 2453934; 435775, 2453963; 435675, 2453918; 435620, 2453730; 435741, 2453842; 435376, 2453408.

(4) This unit includes land bounded by the following UTM Zone 4, NAD83

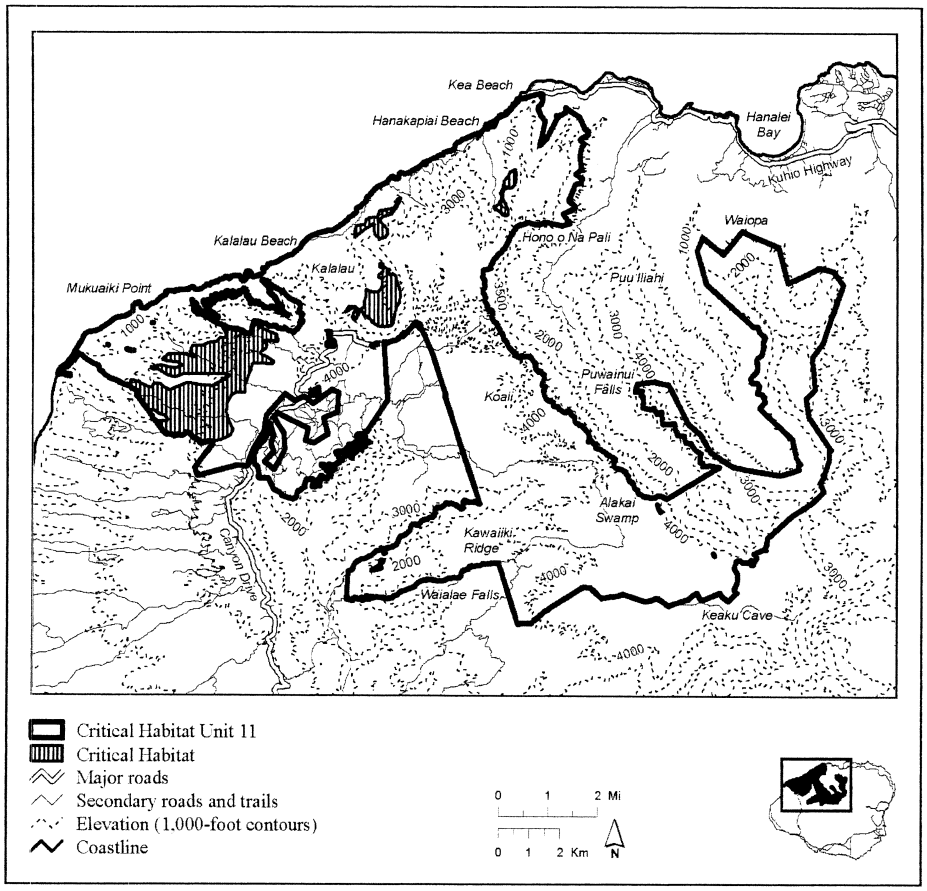
coordinates (E, N): 439159, 2453759; 439171, 2453735; 439242, 2453562; 439244, 2453448; 439043, 2454237; 439466, 2454892; 439468, 2454903; 439115, 2453850; 439485, 2454824; 439087, 2453909; 439065, 2454132; 439121, 2454259; 439243, 2454297; 439360, 2454300; 439454, 2454376; 439498, 2454643; 439296, 2454804; 439268, 2454731; 439480, 2454475; 438791, 2453685; 439211, 2454615; 439381, 2454833; 439016, 2454063; 439016, 2453962; 439002, 2453918; 438904, 2453772; 438791, 2453608; 438833, 2453598; 438870, 2453588; 438962, 2453532; 439041, 2453446; 439145, 2453405; 439244, 2453448; 439085, 2454310; 439001, 2454179; 439085, 2454397; 439098, 2454498; 438982, 2453510; 438946, 2453845; 439183, 2454600.

(B) Note: Map 66a follows:

Map 66a

Kauai 11–*Canavalia napaliensis*–b, Kauai 11–*Chamaesyce eleanoriae*–b, Kauai 11–*Chamaesyce remyi* var. *remyi*–g, Kauai 11–*Charpentiera densiflora*–c, Kauai 11–*Doryopteris angelica*–b, Kauai 11–*Dubautia kenwoodii*–b, Kauai 11–*Labordia helleri*–e, Kauai 11–*Pittosporum napaliense*–b, Kauai 11–*Platydesma rostrata*–g, Kauai 11–*Psychotria hobdyi*–b, Kauai 11–*Tetraplasandra bisattenuata*–c

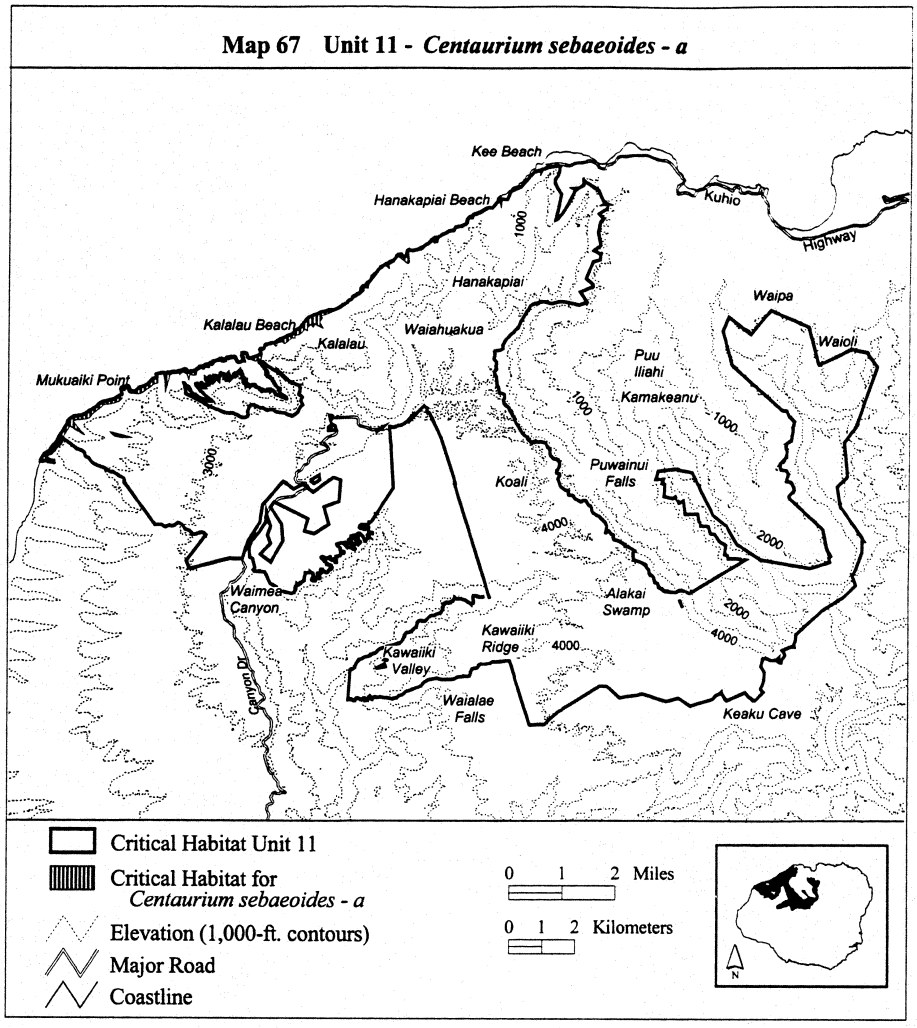
Lowland Mesic



(cxxxiv) Kauai 11—*Centaurium sebaeoides*—a (157 ha; 389 ac)

(A) Unit consists of the following 146 boundary points: coastline; 427095, 2450498; 427122, 2450315; 427060, 2450219; 426989, 2450139; 426899, 2450102; 426842, 2450083; 426718, 2450054; 426533, 2450045; 426396, 2449902; 426196, 2449751; 426078, 2449627; 425945, 2449585; 425683, 2449570; 425603, 2449523; 425935, 2449124; 425484, 2449385; 425361, 2449167; 425290, 2449017; 425272, 2449039; 425267, 2449033; 425259, 2449024; 425156, 2449046; 438151, 2455997; 438175, 2455951; 437980, 2455838; 437781, 2455767; 437748, 2455684; 437624, 2455686; 437596, 2455530; 437415, 2455416; 437353, 2455428; 437240, 2455402; 437187, 2455293; 437121, 2455312; 436893, 2455212; 436694, 2455108; 436670, 2454975; 436518, 2455013; 436186, 2454752; 435963, 2454705; 435782, 2454719; 435815, 2454383; 435773, 2454345; 435478, 2454572; 435355, 2454397; 435189, 2454316; 435198, 2454193; 435103, 2454269; 435087, 2454279; 435049, 2454273; 434968, 2454196; 434917, 2454149; 434823, 2454030; 434759, 2453950; 434695, 2453852; 434572, 2453716; 434563, 2453601; 434440, 2453605; 434431, 2453507; 434325, 2453410; 434159, 2453307; 434061, 2453235; 433716, 2452967; 433290, 2452789; 433133, 2452729; 433175, 2452661; 433086, 2452542; 433195, 2452368; 432916, 2452476; 432886, 2452378; 432815, 2452468; 432720, 2452373; 432710, 2452264; 432639, 2452321; 432487, 2452178; 432316, 2452117; 432330, 2452036; 432264, 2452055; 432008, 2451880; 431946, 2451956; 431789, 2451885; 431789, 2451823; 431756, 2451804; 431666, 2451899; 431447, 2451795; 431371, 2451676; 431286, 2451695; 431329, 2451576; 431310, 2451429; 431134, 2451353; 430963, 2451410; 430947, 2451439; 430893, 2451445; 430807, 2451586; 430761, 2451556; 430837, 2451309; 430777, 2451319; 430643, 2451285; 430595, 2451285; 430534, 2451345; 430495, 2451419; 430434, 2451441; 430326, 2451403; 430237, 2451411; 430239, 2451337; 430191, 2451306; 430126, 2451313; 430037, 2451352; 429905, 2451309; 429887, 2451259; 429807, 2451199; 429764, 2451267; 429734, 2451147; 429623, 2451176; 429575, 2451098; 429475, 2451133; 429351, 2451050; 429310, 2450929; 429219, 2450929; 429128, 2450959; 429108, 2450786; 429041, 2450972; 428972, 2451024; 428929, 2451037; 428857, 2450999; 428824, 2450925; 428797, 2450999; 428715, 2450981; 428640, 2450994; 428546, 2450948; 428384, 2450446; 428376, 2450782; 428325, 2450973; 428231, 2450952; 428150, 2450948; 428164, 2450704; 428047, 2450665; 427934, 2450565; 427801, 2450484; 427669, 2450378; 427543, 2450370; 427401, 2450386; 427318, 2450387; 427257, 2450448; 427213, 2450548; 427171, 2450463; coastline.

(B) NOTE: Map 67 follows:



(cxxxv) Kauai 11–*Chamaesyce eleanoriae*–b

(A) See paragraph (a)(1)(cxxxiii)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(cxxxiii)(B) of this section for the map of this unit.

(cxxxvi) Kauai 11–*Chamaesyce eleanoriae*–c

(A) This is a unit of the Dry Cliff ecosystem and consists of 712 ac (288 ha). This unit is also critical habitat for Kauai 11–*Lysimachia scopulensis*–a, Kauai 11–*Schiedea attenuata*–a, and Kauai 11–*Stenogyne kealiae*–b (see paragraphs (a)(1)(ccxxxviii), (a)(1)(cccix), and (a)(1)(cccxxix), respectively, of this section).

(1) This unit includes land bounded by the following UTM Zone 4, NAD83 coordinates (E, N): 434920, 2449394; 434124, 2449948; 435916, 2450057; 434137, 2449869; 434141, 2449863; 434208, 2449767; 434338, 2449660; 434752, 2449405; 434074, 2449972; 433287, 2450063; 434498, 2449522; 434034, 2449950; 434026, 2449951; 433969,

2449958; 433903, 2449882; 433831, 2449767; 433742, 2449724; 433633, 2449724; 433493, 2449765; 435080, 2449407; 433353, 2449880; 435576, 2449421; 433196, 2450196; 433467, 2449787; 435716, 2449506; 435496, 2449915; 433046, 2450280; 435915, 2449832; 435916, 2450057; 435762, 2450931; 435853, 2450609; 435876, 2450522; 435906, 2450349; 435908, 2450232; 435913, 2450123; 435549, 2449426; 435728, 2449514; 435183, 2449401; 435669, 2449472; 435664, 2449469; 435598, 2449429; 435573, 2449422; 435517, 2449423; 435501, 2449420; 435498, 2449418; 435469, 2449405; 435420, 2449387; 435284, 2449396; 435232, 2449399; 435813, 2449619; 434834, 2450015; 434229, 2450100; 435257, 2449864; 434315, 2450105; 434354, 2450189; 434415, 2450298; 434458, 2450344; 435769, 2450813; 434504, 2450369; 434527, 2450344; 434578, 2450244; 432904, 2450341; 434791, 2450099; 434198, 2450176; 434933, 2449939; 435091, 2449882; 435892, 2449772; 435432, 2449887; 435537, 2449994; 435567, 2450146; 435608, 2450342; 435649, 2450502; 435693, 2450581; 435744, 2450673; 434695, 2450176; 433480, 2450152; 432882, 2450351; 432808, 2450383; 432852, 2450453; 432985, 2450649; 433015, 2450660; 433154, 2450657; 433185, 2450610; 433146, 2450539; 433093, 2450504; 434275, 2450082; 433237, 2450310; 434201, 2450220; 433807, 2450155; 433920, 2450257; 433951, 2450321; 433998, 2450334; 434084, 2450395; 434156, 2450444; 434237, 2450456; 434288, 2450459; 434329, 2450469; 434298, 2450420; 434255, 2450337; 433051, 2450468.

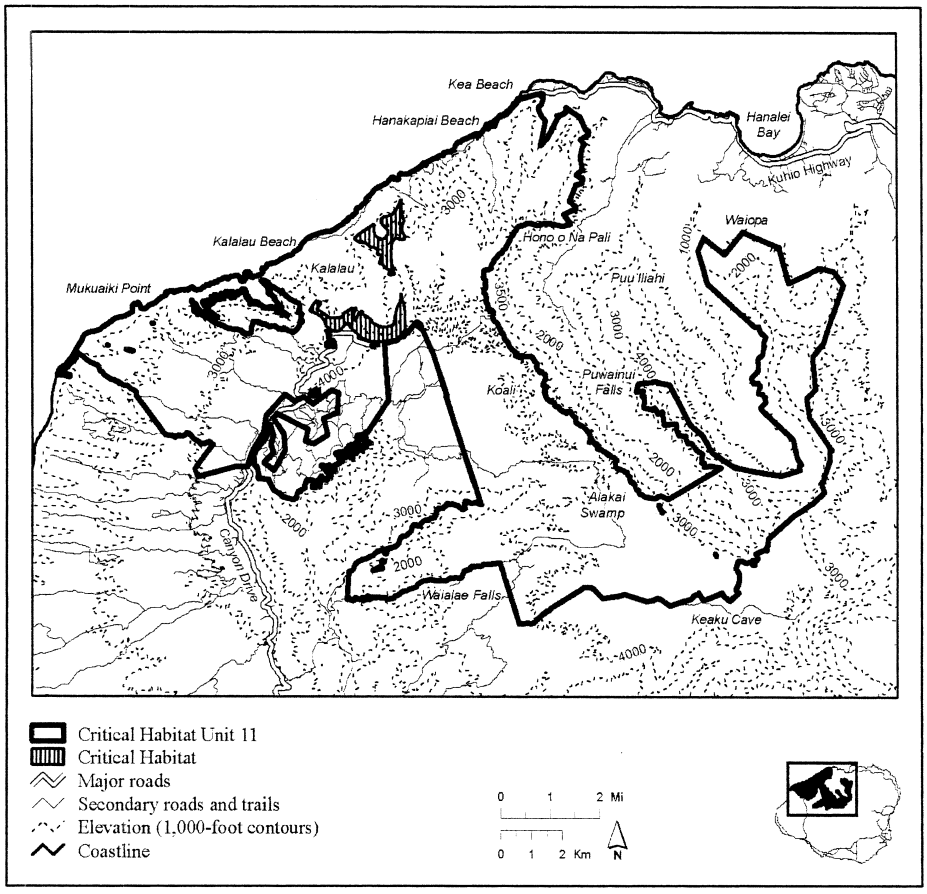
(2) This unit includes land bounded by the following UTM Zone 4, NAD83 coordinates (E, N): 435055, 2452699; 435912, 2452703; 435448, 2452106; 435379, 2451538; 435455, 2451520; 435488, 2451543; 435526, 2451558; 435564, 2451535; 435568, 2451531; 435537, 2451675; 435516, 2451752; 435744, 2452655; 435461, 2451989; 435318, 2451714; 435472, 2452346; 435476, 2452390; 435474, 2452446; 435495, 2452579; 435560, 2452671; 435574, 2452690; 435596, 2452692; 435668, 2452695; 435284, 2452706; 435483, 2451879; 435031, 2452321; 434814, 2453088; 434735, 2453035; 434569, 2452921; 434431, 2452829; 434289, 2452715; 434275, 2452687; 434275, 2452664; 434475, 2452549; 434646, 2452550; 435402, 2451617; 434902, 2452407; 435412, 2451678; 435003, 2452190; 435131, 2452148; 435118, 2451988; 435062, 2451915; 435105, 2451887; 435105, 2451886; 435178, 2451869; 435231, 2451780; 435859, 2452647; 434789, 2452406; 435858, 2453212; 435772, 2453903; 435792, 2453934; 435807, 2453891; 435744, 2452655; 435812, 2453641; 435817, 2453489; 435839, 2453341; 435741, 2453842; 435880, 2453252; 435805, 2453913; 435833, 2453129; 435816, 2453051; 435815, 2452963; 435839, 2452896; 435922, 2452711; 435914, 2452704; 435912, 2452703; 435880, 2453252; 435353, 2452958; 435881, 2452670; 434890, 2453142; 434915, 2453139; 434902, 2452974; 434943, 2452791; 435802, 2453804; 435360, 2452826; 435703, 2453748; 435266, 2453062; 435534, 2453517; 435187, 2452668; 435626, 2453626; 435177, 2453131; 435488, 2453454; 435376, 2453408; 435221, 2453373; 435145, 2453314; 435129, 2453220.

(B) Note: Map 67a follows:

Map 67a

Kauai 11–*Chamaesyce eleanoriae*–c, Kauai 11–*Lysimachia scopulensis*–a, Kauai 11–*Schiedea attenuata*–a, Kauai 11–*Stenogyne kealiae*–b

Dry Cliff

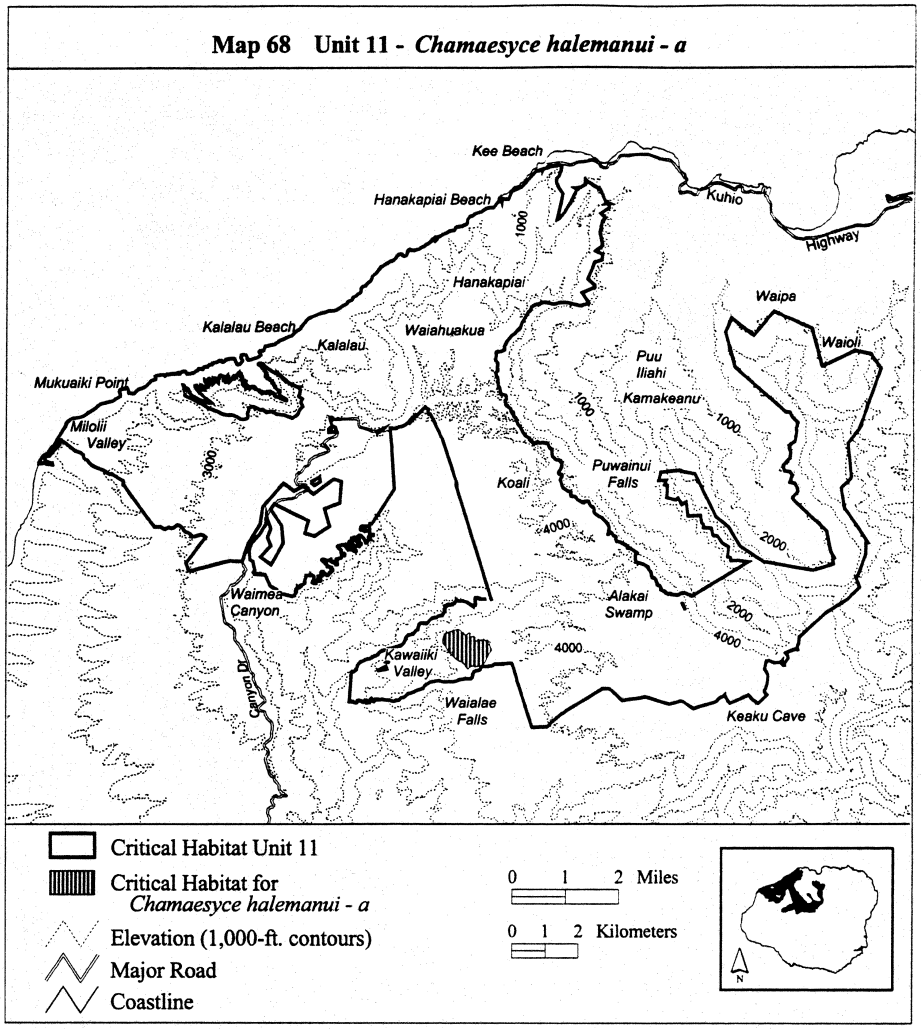


(cxxxvii) Kauai 11—*Chamaesyce halemanui*—a (108 ha; 267 ac)

(A) Unit consists of the following 69 boundary points: Start at 437683, 2443241; 437679, 2443194; 437679, 2443137; 437726, 2443130; 437800, 2443150; 437817, 2443127; 437817, 2443080; 437803, 2443033; 437834, 2443009; 437887, 2443019; 437907, 2443056; 437948, 2443043; 437974, 2443036; 438008, 2443046; 438042, 2443036; 438082, 2443070; 438122, 2443033; 438162, 2443003; 438196, 2443043; 438216, 2443029; 438223, 2442992; 438246, 2442986; 438280, 2442986; 438280, 2442952; 438246, 2442915; 438283, 2442821; 438310, 2442764; 438307, 2442707; 438273, 2442644; 438199, 2442520; 438176, 2442479; 438139, 2442419; 438109, 2442349; 438065, 2442285; 438066, 2442260; 438008, 2442239; 437971, 2442255; 437914, 2442255; 437830, 2442245; 437776, 2442271; 437676, 2442224; 437629, 2442167; 437572, 2442198; 437505, 2442302; 437438, 2442355; 437394, 2442392; 437314, 2442416; 437203, 2442506; 437015, 2442694; 436914, 2442875; 436847, 2442946; 436844, 2442986; 436847, 2443070; 436877, 2443160; 436901, 2443231; 436991,

2443258; 437062, 2443285; 437119, 2443301; 437186, 2443335; 437287, 2443345; 437334, 2443345; 437407, 2443308; 437428, 2443274; 437478, 2443264; 437485, 2443221; 437505, 2443184; 437579, 2443197; 437615, 2443237; 437652, 2443261; return to starting point.

(B) NOTE: Map 68 follows:

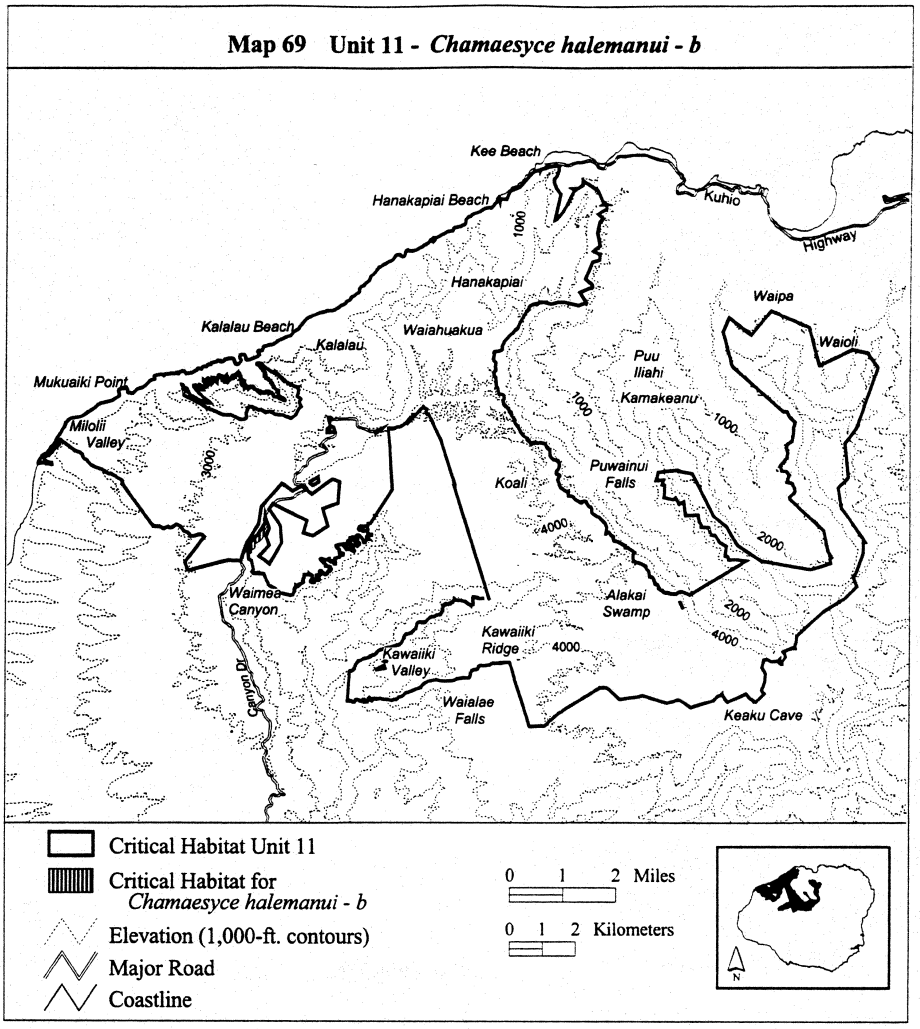


(cxxxviii) Kauai 11—*Chamaesyce halemanui*—b (17 ha; 43 ac)

(A) Unit consists of the following 26 boundary points: Start at 431534, 2446637; 431530, 2446604; 431553, 2446538; 431557, 2446483; 431526, 2446397; 431495, 2446365; 431522, 2446303; 431518, 2446216; 431487, 2446158; 431420, 2446115; 431408, 2446048; 431322, 2445985; 431256, 2445938; 431193, 2445891; 431201, 2445817; 431177, 2445766; 431099, 2445738; 431079, 2445703; 431079, 2445652; 431040, 2445613; 430985, 2445601; 430977, 2445767; 431060, 2445963;

431278, 2446215; 431483, 2446536; 431491, 2446759; return to starting point.

(B) NOTE: Map 69 follows:

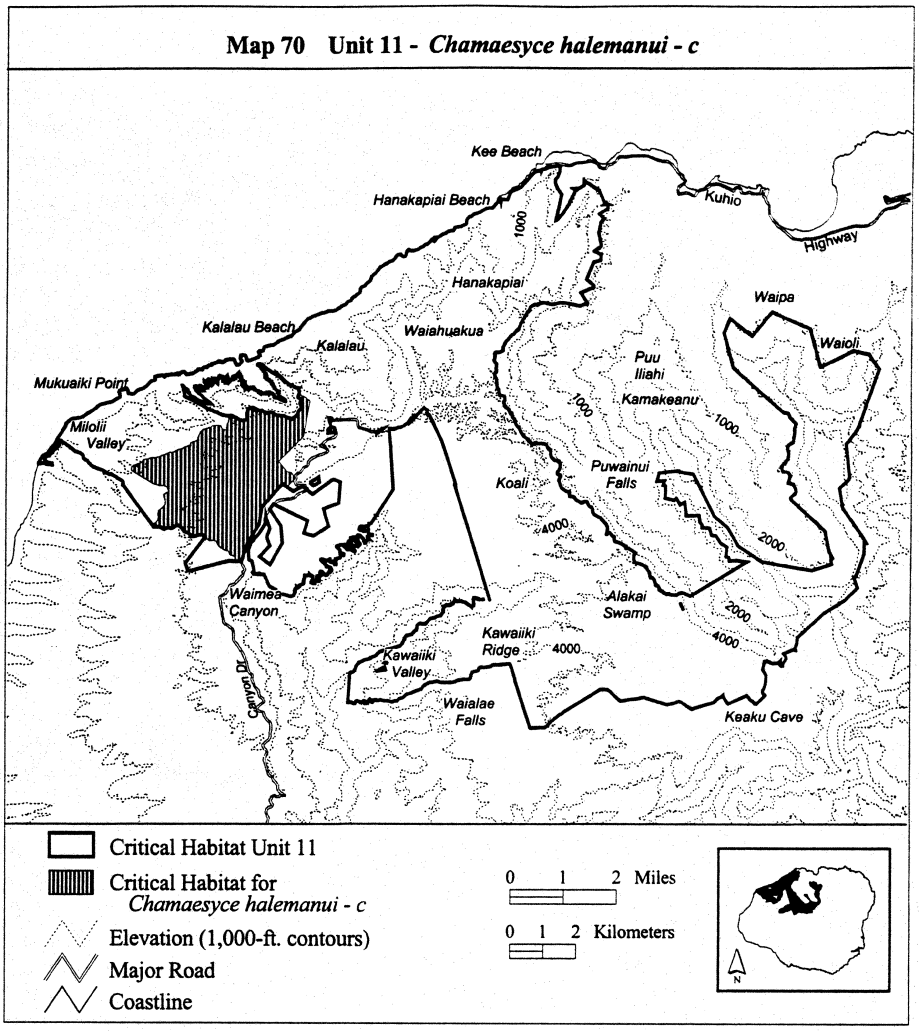


(cxxxix) Kauai 11—*Chamaesyce halemanui*—c (1,283 ha; 3,171 ac)

(A) Unit consists of the following 195 boundary points: Start at 430306, 2449349; 430289, 2449399; 430307, 2449482; 430312, 2449517; 430313, 2449532; 430320, 2449553; 430331, 2449565; 430346, 2449596; 430354, 2449622; 430355, 2449641; 430348, 2449666; 430376, 2449750; 430384, 2449766; 430406, 2449796; 430471, 2449787; 430527, 2449754; 430583, 2449736; 430635, 2449693; 430696, 2449656; 430720, 2449646; 430819, 2449646; 430899, 2449674; 430918, 2449717; 430904, 2449834; 430927, 2449905; 430955, 2449985; 430993, 2450032; 431068, 2450041; 431153, 2450008; 431238, 2449970; 431285, 2449942; 431360, 2449956; 431449, 2449886; 431497, 2449867; 431605, 2449895; 431657,

2449890; 431699, 2449876; 431765, 2449810; 431864, 2449801; 431981, 2449792; 432047, 2449787; 432113, 2449740; 432217, 2449712; 432259, 2449679; 432344, 2449744; 432419, 2449806; 432471, 2449904; 432504, 2449961; 432579, 2450036; 432551, 2450083; 432523, 2450130; 432523, 2450182; 432565, 2450262; 432523, 2450304; 432475, 2450313; 432452, 2450337; 432461, 2450375; 432480, 2450426; 432490, 2450478; 432501, 2450529; 432504, 2450523; 432515, 2450503; 432528, 2450468; 432550, 2450412; 432573, 2450385; 432591, 2450373; 432650, 2450343; 432692, 2450330; 432709, 2450317; 432733, 2450275; 432745, 2450272; 432752, 2450270; 432768, 2450266; 432797, 2450260; 432826, 2450224; 432630, 2449144; 431875, 2448395; 432139, 2448086; 432281, 2448051; 432381, 2447879; 432133, 2447631; 432001, 2447726; 431369, 2447027; 431298, 2446522; 430955, 2445963; 430827, 2445619; 430786, 2445492; 430766, 2445492; 430727, 2445433; 430705, 2445408; 430574, 2445414; 430574, 2445437; 430570, 2445519; 430534, 2445558; 430444, 2445594; 430409, 2445613; 430386, 2445672; 430350, 2445711; 430264, 2445727; 430174, 2445786; 430060, 2445860; 430029, 2445923; 429990, 2446009; 429904, 2446040; 429857, 2446017; 429790, 2446025; 429708, 2446076; 429602, 2446170; 429547, 2446209; 429441, 2446185; 429335, 2446142; 429226, 2446146; 429202, 2446185; 429182, 2446221; 429128, 2446264; 429026, 2446295; 428990, 2446326; 428967, 2446373; 428920, 2446424; 428842, 2446479; 428791, 2446491; 428744, 2446448; 428669, 2446393; 428622, 2446381; 428548, 2446393; 428532, 2446420; 428469, 2446389; 428414, 2446358; 428359, 2446389; 428293, 2446424; 428242, 2446424; 428164, 2446424; 428093, 2446436; 428069, 2446495; 428101, 2446534; 428144, 2446534; 428218, 2446636; 428230, 2446734; 428226, 2446804; 428234, 2446918; 428312, 2446965; 428450, 2447079; 428450, 2447153; 428450, 2447216; 428422, 2447306; 428383, 2447376; 428407, 2447404; 428528, 2447466; 428548, 2447479; 428507, 2447592; 428472, 2447639; 428405, 2447665; 428282, 2447665; 428095, 2447725; 427746, 2447921; 427530, 2448058; 427416, 2448140; 427416, 2448207; 427479, 2448257; 427571, 2448308; 427733, 2448372; 427790, 2448451; 427901, 2448451; 427977, 2448483; 428009, 2448498; 428069, 2448498; 428158, 2448508; 428240, 2448527; 428266, 2448530; 428351, 2448581; 428421, 2448590; 428564, 2448666; 428694, 2448666; 428830, 2448749; 428948, 2448780; 429037, 2448822; 429113, 2448860; 429170, 2448891; 429208, 2448873; 429198, 2448944; 429399, 2449015; 429429, 2449039; 429423, 2449098; 429476, 2449205; 429494, 2449275; 429571, 2449358; 429683, 2449388; 429801, 2449435; 429819, 2449400; 429867, 2449476; 429991, 2449500; 430109, 2449500; 430156, 2449376; 430233, 2449358; 430287, 2449352; return to starting point.

(B) NOTE: Map 70 follows:



(cxl) Kauai 11–*Chamaesyce remyi* var. *kauaiensis*–d

(A) This is a unit of the Lowland Wet ecosystem and consists of 2,618 ac (1,060 ha). This unit is also critical habitat for Kauai 11–*Chamaesyce remyi* var. *remyi*–h, Kauai 11–*Charpentiera densiflora*–d, Kauai 11–*Cyanea eleeleensis*–b, Kauai 11–*Cyanea kolekoleensis*–b, Kauai 11–*Cyanea kuhihewa*–b, Kauai 11–*Cyrtandra oenobarba*–d, Kauai 11–*Dubautia imbricata* ssp. *imbricata*–b, Kauai 11–*Labordia helleri*–f, Kauai 11–*Melicope paniculata*–b, Kauai 11–*Melicope puberula*–d, Kauai 11–*Phyllostegia renovans*–d, Kauai 11–*Platydesma rostrata*–h, Kauai 11–*Stenogyne kealiae*–c, Kauai 11–*Tetraplasandra bisattenuata*–d, and Kauai 11–*Tetraplasandra flynii*–d (see paragraphs (a)(1)(cxliv), (a)(1)(cxlviii), (a)(1)(cli), (a)(1)(clii), (a)(1)(cliii), (a)(1)(clxiii), (a)(1)(clxxviii), (a)(1)(ccxxiv), (a)(1)(ccxlviii), (a)(1)(ccl), (a)(1)(cclxvii), (a)(1)(cclxxix),

(a)(1)(cccxxx), (a)(1)(cccxxxiii), and (a)(1)(cccxxxv) respectively, of this section).

(1) This unit includes land bounded by the following UTM Zone 4, NAD83 coordinates (E, N): 439674, 2454816; 440829, 2456531; 440674, 2456209; 440674, 2456209; 440498, 2455883; 440318, 2455684; 440265, 2455650; 440437, 2456434; 441321, 2455601; 440968, 2454371; 441022, 2454452; 441060, 2454503; 441116, 2454605; 441175, 2454734; 441201, 2454902; 441196, 2455050; 441203, 2455144; 441204, 2455238; 439597, 2454271; 441257, 2455421; 440812, 2453929; 441354, 2455706; 441400, 2455825; 441459, 2455917; 441541, 2456046; 441561, 2456125; 441543, 2456184; 441556, 2456273; 441574, 2456339; 441574, 2456384; 441564, 2456402; 441227, 2455309; 439928, 2453312; 439377, 2452849; 439390, 2452876; 439414, 2452909; 439464, 2452963; 439473, 2452985; 439481, 2453022; 439503, 2453046; 439553, 2453082; 439600, 2453107; 439618, 2453112; 440902, 2454287; 439788, 2453246; 440828, 2454112; 440061, 2453330; 440216, 2453312; 440430, 2453245; 440521, 2453222; 440539, 2453242; 440554, 2453392; 440588, 2453586; 440685, 2453700; 440805, 2453832; 441338, 2456446; 439646, 2453139; 438605, 2452379; 441501, 2456407; 439055, 2453168; 439012, 2453084; 438938, 2452886; 438872, 2452703; 438787, 2452586; 439373, 2452840; 438691, 2452533; 438684, 2452527; 438617, 2452469; 439307, 2453234; 438540, 2452374; 439402, 2453308; 438669, 2452384; 438716, 2452393; 438779, 2452391; 438816, 2452396; 438851, 2452395; 438954, 2452430; 439114, 2452513; 439201, 2452565; 439225, 2452608; 439322, 2452763; 438550, 2452386; 439705, 2455362; 439372, 2452836; 441231, 2456494; 440834, 2456579; 440867, 2456555; 440437, 2456434; 440319, 2456582; 440302, 2456453; 440131, 2455839; 439992, 2455240; 439972, 2455227; 439183, 2453214; 439766, 2455332; 441434, 2456415; 439659, 2455337; 439664, 2455162; 439671, 2454996; 439635, 2454556; 439595, 2454252; 439571, 2454009; 439545, 2453798; 439499, 2453587; 439453, 2453425; 439827, 2455286.

(2) This unit includes land bounded by the following UTM Zone 4, NAD83 coordinates (E, N): 437020, 2453189; 435477, 2452358; 435941, 2452670; 435881, 2452670; 435859, 2452647; 435744, 2452655; 435744, 2452655; 435668, 2452695; 435596, 2452692; 435579, 2452684; 435560, 2452671; 435495, 2452579; 436027, 2452670; 435476, 2452390; 435810, 2452427; 435698, 2452376; 435719, 2452378; 435838, 2452443; 435955, 2452326; 436003, 2452334; 436189, 2452365; 436579, 2452559; 436804, 2452559; 437201, 2452932; 437201, 2452932; 435474, 2452446; 437541, 2453313; 435902, 2452378; 436122, 2452693; 437202, 2452948; 437592, 2453026; 437797, 2453318; 437675, 2453322; 437408, 2453303; 437279, 2453284; 437072, 2453217; 437144, 2453246; 436929, 2453132; 436865, 2453080; 436370, 2452779; 436152, 2452704; 436156, 2452702; 437746, 2453322; 436849, 2453037; 436289, 2452750; 436289, 2452751; 436230, 2452707; 436547, 2452854; 436556, 2452755; 436617, 2452681; 436668, 2452719; 436783, 2452859.

(3) This unit includes land bounded by the following UTM Zone 4, NAD83 coordinates (E, N): 446053, 2443486; 445952, 2443580; 446981, 2444484; 446142, 2443241; 445804, 2443684; 446282, 2443149; 446918, 2444619; 446104, 2443348; 447039, 2444332; 447126, 2444222; 447271, 2444151; 447573, 2443995; 447576, 2443919; 445601, 2443759; 446555, 2445050; 447507, 2443875; 447387, 2443832; 447525, 2444041; 444938, 2444714; 446880, 2443495; 447257, 2443817; 446806, 2444770; 446697, 2444890; 446605, 2444969; 446565, 2445119; 446615, 2445149; 446102, 2445409; 445418, 2443802; 444984, 2444620; 445009, 2444513; 445012, 2444375; 444988, 2444177; 445001, 2443989; 445072, 2443925; 445224, 2443866; 446305, 2445519; 446994, 2442927; 446674, 2443625; 446456, 2443857; 446573, 2443696; 446918, 2444619; 446771, 2443591; 446964, 2443367; 446176, 2444094; 447035, 2443034; 446024, 2444124; 446915, 2442876; 446884, 2442866; 446775, 2442871; 446694, 2442917; 446590, 2443009; 446526, 2443067; 446401, 2443101; 447022, 2443176; 446142, 2444537; 446985, 2443802; 446860, 2443759; 446738, 2443759; 446647, 2443816; 446614, 2443869; 446586, 2443953; 446533, 2444139; 446339, 2444002; 446342, 2444424; 447097, 2443835; 445951, 2444583; 445795, 2444540; 445727, 2444471; 445716, 2444349; 445736, 2444232; 445790, 2444143; 445920, 2444117; 446459, 2444299.

(4) This unit includes land bounded by the following UTM Zone 4, NAD83 coordinates (E, N): 448432, 2447019; 447903, 2444783; 448513, 2444734; 448070, 2445147; 447289, 2445280; 447290, 2445278; 447361, 2445143; 447455, 2445039; 448629, 2445470; 447763, 2444809; 448699, 2445511; 447992, 2444811; 448076, 2444859; 448152, 2444890; 448229, 2444872; 448272, 2444798; 448279, 2444742; 448386, 2444722; 447626, 2444886; 447985, 2447674; 448180, 2447012; 448099, 2447086; 448061, 2447208; 448030, 2447292; 447961, 2447328; 447898, 2447376; 448658, 2445334; 447964, 2447547; 447413,

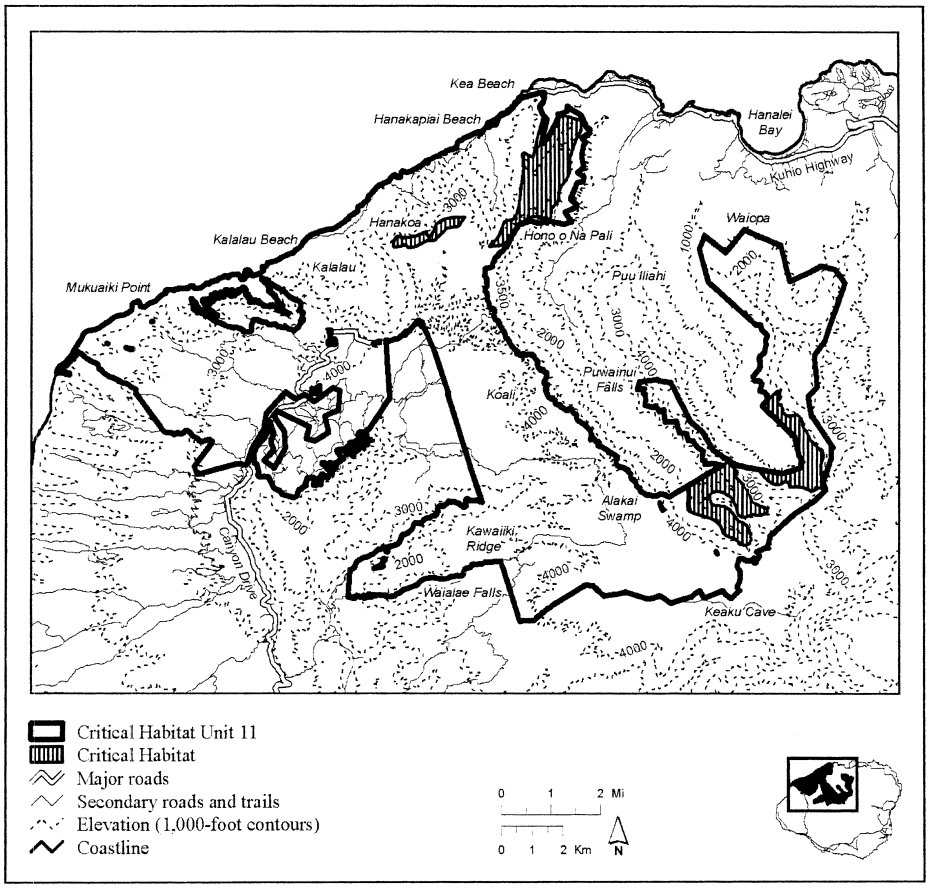
2447271; 447960, 2447776; 447907, 2447792; 448254, 2446981; 447397, 2447323; 448180, 2447012; 448450, 2446319; 448577, 2445718; 447903, 2447455; 448762, 2446566; 449384, 2445679; 449351, 2445830; 449234, 2445954; 449125, 2446061; 449008, 2446171; 448932, 2446245; 449330, 2445539; 448871, 2446421; 448828, 2446507; 448696, 2446769; 448661, 2446881; 448582, 2446983; 448518, 2447032; 448345, 2446991; 448661, 2444721; 447568, 2447493; 448889, 2446339; 449086, 2444624; 448760, 2444688; 448714, 2446647; 449284, 2445379; 448923, 2444619; 448956, 2444594; 449025, 2444591; 448854, 2444652; 449177, 2444680; 449226, 2444703; 449340, 2444954; 449294, 2444695; 449376, 2444651; 449391, 2444608; 449459, 2444635; 449346, 2444938; 449302, 2445178; 448981, 2444568; 449312, 2445026.

(B) Note: Map 70a follows:

Map 70a

Kauai 11–*Chamaesyce remyi* var. *kauaiensis*–d, Kauai 11–*Chamaesyce remyi* var. *remyi*–h, Kauai 11–*Charpentiera densiflora*–d, Kauai 11–*Cyanea eleeleensis*–b, Kauai 11–*Cyanea kolekoleensis*–b, Kauai 11–*Cyanea kuhihewa*–b, Kauai 11–*Cyrtandra oenobarba*–d, Kauai 11–*Dubautia imbricata* ssp. *imbricata*–b, Kauai 11–*Labordia helleri*–f, Kauai 11–*Melicope paniculata*–b, Kauai 11–*Melicope puberula*–d, Kauai 11–*Phyllostegia renovans*–d, Kauai 11–*Platydesma rostrata*–h, Kauai 11–*Stenogyne kealiae*–c, Kauai 11–*Tetraplasandra bisattenuata*–d, Kauai 11–*Tetraplasandra flynnii*–d

Lowland Wet



(cxli) Kauai 11–*Chamaesyce remyi* var. *kauaiensis*–e

(A) This is a unit of the Wet Cliff ecosystem and consists of 190 ac; 77 ha. This unit includes land bounded by the following UTM Zone 4, NAD83 coordinates (E, N): 436103, 2451262; 436027, 2451466; 435961, 2451591; 435895, 2451700; 435779, 2451881; 435540, 2452168; 435479, 2452304; 436162, 2451016; 435519, 2452190; 435517, 2452192; 435631, 2452072; 436212, 2450766; 436230, 2450590; 436234, 2450558; 436235, 2450550; 436250, 2450410; 436234, 2450237; 436107, 2450051; 436007, 2449993; 435478, 2452345; 435913, 2450123; 435941, 2449899; 436186, 2450120; 435635, 2451403;

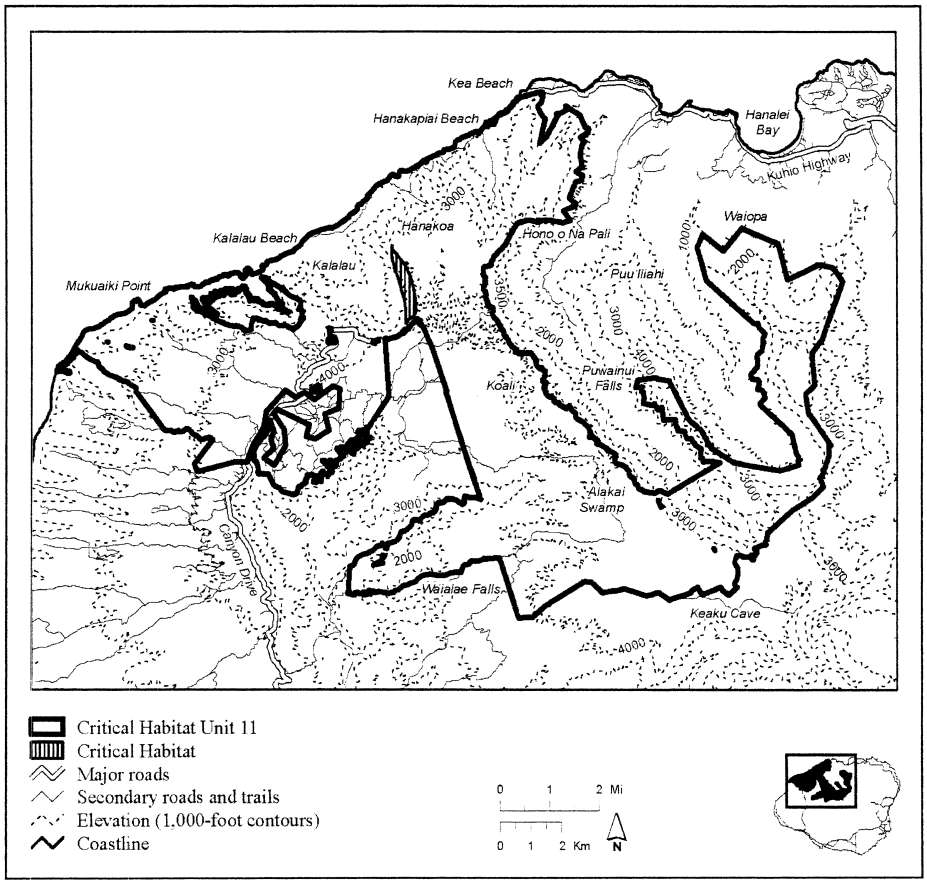
435941, 2449899; 435915, 2449832; 435916, 2450057; 435908, 2450232; 435876, 2450522; 435853, 2450609; 435762, 2450931; 435759, 2450963; 435906, 2450349; 435676, 2451273; 435477, 2452358; 435602, 2451485; 435568, 2451531; 435537, 2451675; 435516, 2451752; 435483, 2451879; 435461, 2451989; 435448, 2452106; 435472, 2452346; 435476, 2452390; 435724, 2451110. This unit is also critical habitat for Kauai 11–*Chamaesyce remyi* var. *remyi*–i, Kauai 11–*Cyanea dolichopoda*–c, Kauai 11–*Cyrtandra oenobarba*–e, Kauai 11–*Cyrtandra paliku*–c, Kauai 11–*Dubautia plantaginea* ssp. *magnifolia*–c, Kauai 11–*Lysimachia iniki*–c, Kauai 11–*Lysimachia pendens*–c, Kauai 11– *Lysimachia venosa*–c, and Kauai 11–*Platydesma rostrata*–i (see paragraphs (a)(1)(cxlv), (a)(1)(cl), (a)(1)(clxiv), (a)(1)(clxv), (a)(1)(clxxxiv), (a)(1)(ccxxxvi), (a)(1)(ccxxxvii), (a)(1)(ccxxxix), and (a)(1)(cclxxx), respectively, of this section).

(B) Note: Map 70b follows:

Map 70b

Kauai 11–*Chamaesyce remyi* var. *kauaiensis*–e, Kauai 11–*Chamaesyce remyi* var. *remyi*–i, Kauai 11–*Cyanea dolichopoda*–c, Kauai 11–*Cyrtandra oenobarba*–e, Kauai 11–*Cyrtandra paliku*–c, Kauai 11–*Dubautia plantaginea* ssp. *magnifolia*–c, Kauai 11–*Lysimachia iniki*–c, Kauai 11–*Lysimachia pendens*–c, Kauai 11–*Lysimachia venosa*–c, Kauai 11–*Platydesma rostrata*–i

Wet Cliff



(cxlii) Kauai 11–*Chamaesyce remyi* var. *remyi*–f

(A) See paragraph (a)(1)(cxxx)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(cxxx)(B) of this section for the map of this unit.

(cxliii) Kauai 11–*Chamaesyce remyi* var. *remyi*–g

(A) See paragraph (a)(1)(cxxxiii)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(cxxxiii)(B) of this section for the map of this unit.

(cxliv) Kauai 11–*Chamaesyce remyi* var. *remyi*–h

(A) See paragraph (a)(1)(cxl)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(cxl)(B) of this section for the map of this unit.

(cxlv) Kauai 11–*Chamaesyce remyi* var. *remyi*–i

(A) See paragraph (a)(1)(cxli)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(cxli)(B) of this section for the map of this unit.

(cxlvi) Kauai 11–*Chamaesyce remyi* var. *remyi*–j

(A) This is a unit of the Montane Mesic ecosystem and consists of 2,790 ac (1,129 ha). This unit is also critical habitat for Kauai 11–*Diellia mannii*–a, Kauai 11–*Labordia helleri*–g, Kauai 11–*Myrsine knudsenii*–a, Kauai 11–*Myrsine mezii*–c, Kauai 11–*Platydesma rostrata*–j, Kauai 11–*Psychotria grandiflora*–c, Kauai 11–*Stenogyne kealiae*–d, and Kauai 11–*Tetraplasandra flynnii*–e (see paragraphs (a)(1)(clxxii), (a)(1)(ccxxv), (a)(1)(ccliii), (a)(1)(cclix), (a)(1)(cclxxxi), (a)(1)(ccxci), (a)(1)(ccxxxi), and (a)(1)(cccxxxvi), respectively, of this section).

(1) This unit includes land bounded by the following UTM Zone 4, NAD83 coordinates (E, N): 434254, 2447886; 430671, 2447997; 430191, 2445898; 429898, 2446100; 429871, 2446234; 430191, 2446386; 430291, 2446570; 430124, 2446907; 430073, 2447126; 430107, 2447429; 430242, 2447664; 431205, 2448983; 430690, 2447765; 430442, 2445640; 430764, 2448188; 430793, 2448310; 430886, 2448507; 430903, 2448664; 430985, 2448705; 431171, 2448699; 431560, 2448675; 431629, 2448739; 432609, 2447647; 430393, 2447748; 431069, 2446331; 432320, 2447497; 432195, 2447587; 432136, 2447629; 432133, 2447631; 432081, 2447668; 432073, 2447674; 432001, 2447726; 431323, 2447013; 431211, 2446394; 430204, 2445809; 431112, 2446394; 430323, 2445779; 431058, 2446300; 431007, 2446203; 430944, 2446145; 430939, 2446061; 430902, 2445976; 430854, 2445930; 430826, 2445805; 430857, 2445727; 430824, 2445631; 431200, 2449070; 431101, 2446447; 432882, 2450351; 432579, 2450036; 432552, 2450080; 432551, 2450083; 432531, 2450116; 432534, 2450174; 432530, 2450196; 432565, 2450262; 432560, 2450267; 432740, 2450249; 431414, 2448890; 432808, 2450383; 432486, 2449909; 432904, 2450341; 433046, 2450280; 432827, 2447751; 432932, 2447668; 433014, 2447717; 433109, 2447775; 433094, 2447922; 432827, 2447751; 434318, 2448182; 432796, 2450365; 431904, 2449665; 431362, 2449169; 431391, 2449273; 431322, 2449372; 431322, 2449418; 431403, 2449436; 431727, 2449372; 431769, 2449447; 431705, 2449569; 431720, 2449620; 432504, 2449961; 431919, 2449578; 432498, 2449952; 432046, 2449781; 432052, 2449783; 432113, 2449740; 432217, 2449712; 432251, 2449685; 432259, 2449679; 432344, 2449744; 432419, 2449806; 432441, 2449848; 431905, 2449660; 431805, 2449591; 434202, 2447345; 434612, 2446807; 434073, 2448685; 434228, 2448620; 434292, 2448479; 434318, 2448298; 434279, 2447951; 434163, 2447783; 433725, 2448994; 434073, 2447500; 433545, 2449136; 434357, 2447229; 434486, 2447126; 434627, 2447088; 434686, 2447020; 434682, 2447017; 434657, 2446977; 434652, 2446933; 434086, 2447693; 433401, 2449697; 431875, 2449780; 432639, 2447624; 433046, 2450280; 433196, 2450196; 433287, 2450063; 433353, 2449880; 433429, 2449741; 433880, 2448827; 433399, 2449709; 433408, 2449708; 433339, 2449600; 433313, 2449484; 433339, 2449381; 433368, 2449293; 433368, 2449292; 433369, 2449255; 433389, 2449256; 433407, 2449708; 433257, 2446958; 434392, 2446421; 434386, 2446429; 434103, 2446297; 434090, 2446098; 434086, 2446095; 433862, 2446165; 433606, 2446193; 434400, 2446429; 433397, 2446440; 432672, 2447598; 432918, 2447407; 433577, 2447086; 433467, 2449787; 433706, 2447138; 433746, 2447766; 433562, 2447841; 433527, 2447856; 434641, 2446663; 433449, 2446235; 434533, 2446441; 434631, 2446528; 434623, 2446526; 434620, 2446512; 434628, 2446479; 434625, 2446467; 434618, 2446459; 434201, 2446573; 434558, 2446439; 434403, 2446435; 434514, 2446449; 434423, 2446441; 434582, 2446443; 434416, 2446441; 434500, 2446448; 434434, 2446428; 434447, 2446420; 434457, 2446416; 434471, 2446422.

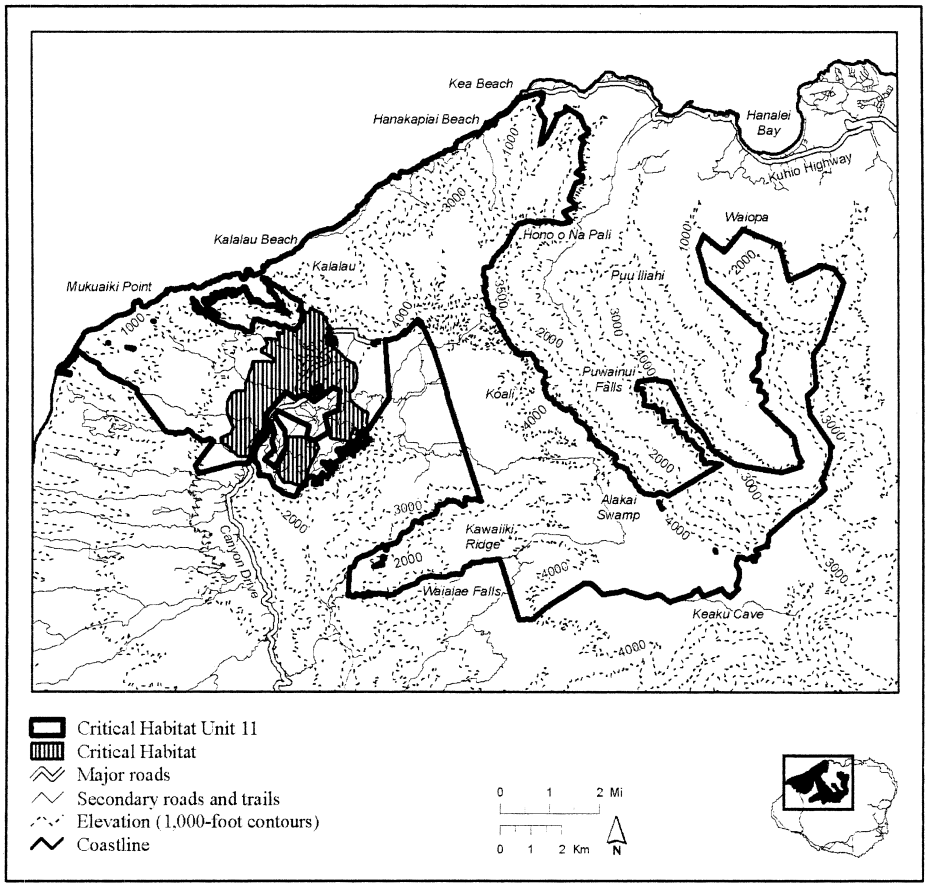
(2) This unit includes land bounded by the following UTM Zone 4, NAD83 coordinates (E, N): 431975, 2446280; 432548, 2444752; 432135, 2444807; 432674, 2444970; 431873, 2444849; 431730, 2445114; 431645, 2445326; 432001, 2445941; 431950, 2444792; 432559, 2446255; 432659, 2446240; 432948, 2446150; 433067, 2445928; 432912, 2445580; 432758, 2445304; 432674, 2444970; 432377, 2444722.

(B) Note: Map 70c follows:

Map 70c

Kauai 11–*Chamaesyce remyi* var. *remyi*–j, Kauai 11–*Diellia mannii*–a, Kauai 11–*Labordia helleri*–g, Kauai 11–*Myrsine knudsenii*–a, Kauai 11–*Myrsine mezii*–c, Kauai 11–*Platydesma rostrata*–j, Kauai 11–*Psychotria grandiflora*–c, Kauai 11–*Stenogyne kealiae*–d, Kauai 11–*Tetraplasandra flynnii*–e

Montane Mesic



(cxlvii) Kauai 11–*Charpentiera densiflora*–c

(A) See paragraph (a)(1)(cxxxiii)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(cxxxiii)(B) of this section for the map of this unit.

(cxlviii) Kauai 11–*Charpentiera densiflora*–d

(A) See paragraph (a)(1)(cxl)(A) of this section for the textual description of this unit.

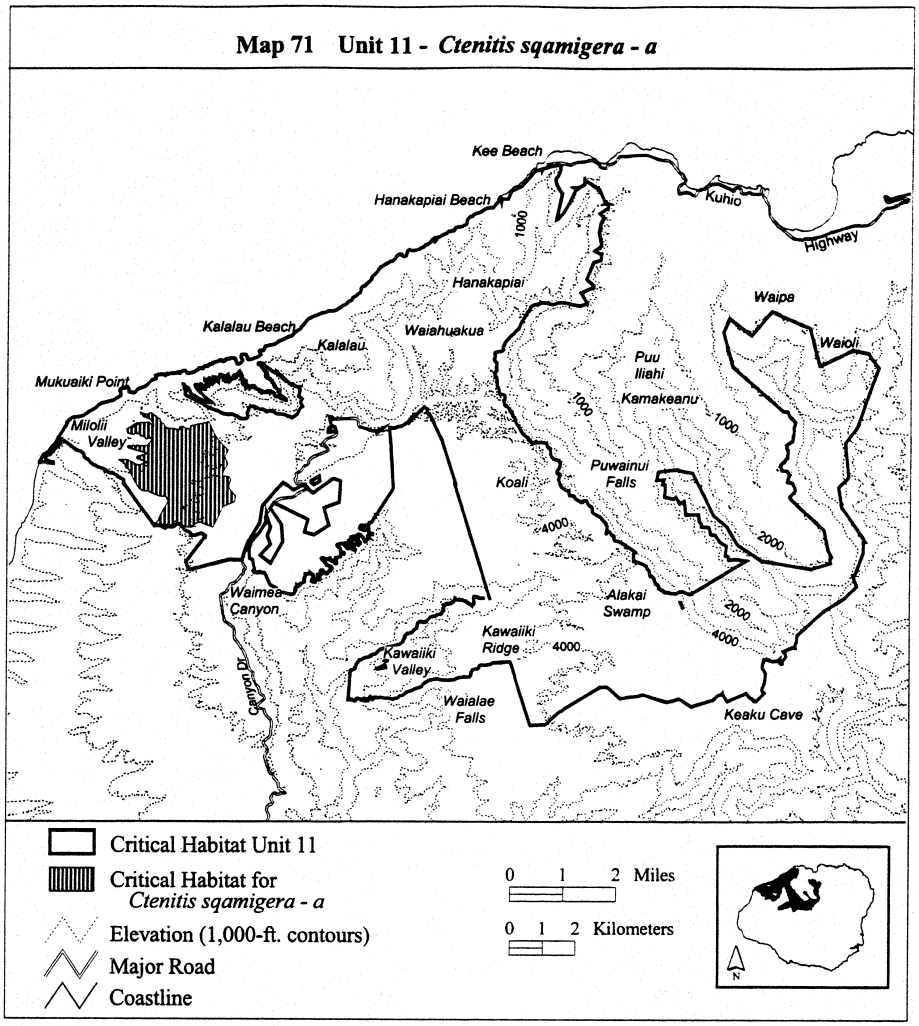
(B) See paragraph (a)(1)(cxl)(B) of this section for the map of this unit.

(cxlix) Kauai 11—*Ctenitis squamigera*—a (735 ha; 1,817 ac)

(A) Unit consists of the following 95 boundary points: Start at 429915, 2449188; 429965, 2449062; 430201, 2448831; 430327, 2448700; 430306, 2448648; 430232,

2448495; 430290, 2448327; 430311, 2448243; 430232, 2448128; 430180, 2448034; 430159, 2447929; 430359, 2447892; 430411, 2447803; 430380, 2447729; 430348, 2447629; 430353, 2447566; 430558, 2447320; 430527, 2447152; 430190, 2446989; 430070, 2446732; 429881, 2446390; 429644, 2446469; 429497, 2446543; 429366, 2446511; 429303, 2446427; 429257, 2446389; 429094, 2446389; 428972, 2446421; 428904, 2446474; 428793, 2446542; 428740, 2446564; 428656, 2446475; 428599, 2446448; 428476, 2446463; 428396, 2446447; 428285, 2446458; 428164, 2446469; 428132, 2446490; 428200, 2446564; 428331, 2446837; 428510, 2447146; 428442, 2447304; 428247, 2447309; 428011, 2447409; 427922, 2447451; 427738, 2447467; 427607, 2447561; 427533, 2447692; 427386, 2447950; 427387, 2447965; 427327, 2448019; 427380, 2448042; 427201, 2448195; 427217, 2448242; 427012, 2448409; 427258, 2448415; 427607, 2448226; 427862, 2448339; 427544, 2448453; 427563, 2448503; 427874, 2448588; 427289, 2448764; 427276, 2448805; 427868, 2448846; 428032, 2449016; 427928, 2449075; 427852, 2449025; 427777, 2449101; 427632, 2449142; 427604, 2449204; 427487, 2449201; 427456, 2449157; 427267, 2449217; 427242, 2449308; 427289, 2449362; 427563, 2449519; 427915, 2449547; 428063, 2449431; 427988, 2449619; 427758, 2449701; 427651, 2449852; 427830, 2449773; 427975, 2449824; 428258, 2449632; 428274, 2449547; 428356, 2449494; 428447, 2449371; 428840, 2449311; 428840, 2449396; 428957, 2449415; 428994, 2449368; 429164, 2449330; 429174, 2449437; 429740, 2449559; 429916, 2449188; return to starting point.

(B) NOTE: Map 71 follows:



(cl) Kauai 11–*Cyanea dolichopoda*–c

(A) See paragraph (a)(1)(cxli)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(cxli)(B) of this section for the map of this unit.

(cli) Kauai 11–*Cyanea eleeleensis*–b

(A) See paragraph (a)(1)(cxl)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(cxl)(B) of this section for the map of this unit.

(clii) Kauai 11–*Cyanea kolekoleensis*–b

(A) See paragraph (a)(1)(cxl)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(cxl)(B) of this section for the map of this unit.

(cliii) Kauai 11–*Cyanea kuhihewa*–b

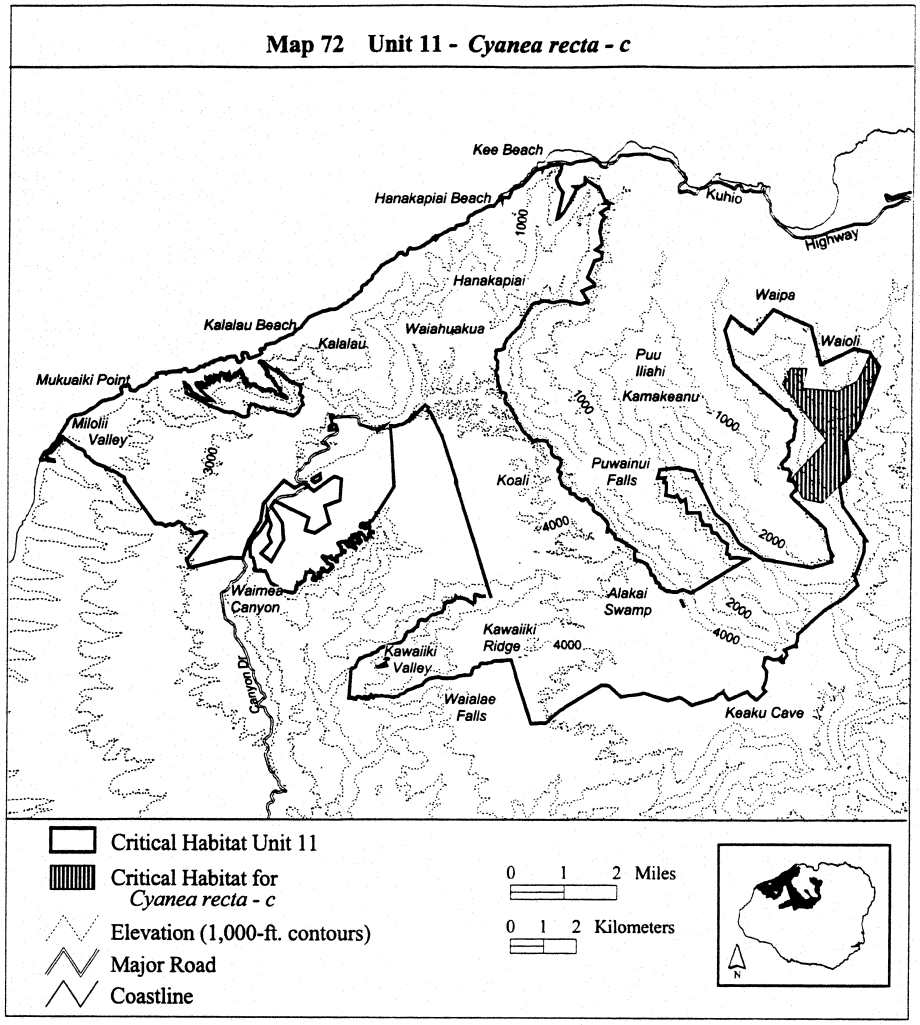
(A) See paragraph (a)(1)(cxl)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(cxl)(B) of this section for the map of this unit.

(cliv) Kauai 11—*Cyanea recta*—c (553 ha; 1,367 ac)

(A) Unit consists of the following 21 boundary points: Start at 449858, 2451521; 450073, 2451227; 449432, 2449395; 449073, 2448923; 449139, 2447988; 449020, 2447860; 448992, 2447717; 448881, 2447609; 448339, 2447084; 447861, 2447198; 447734, 2447260; 447428, 2447829; 448470, 2448968; 447125, 2450677; 447365, 2451166; 447874, 2451166; 447753, 2450562; 448823, 2450472; 449385, 2450762; 449623, 2451217; 449789, 2451615; return to starting point.

(B) NOTE: Map 72 follows:

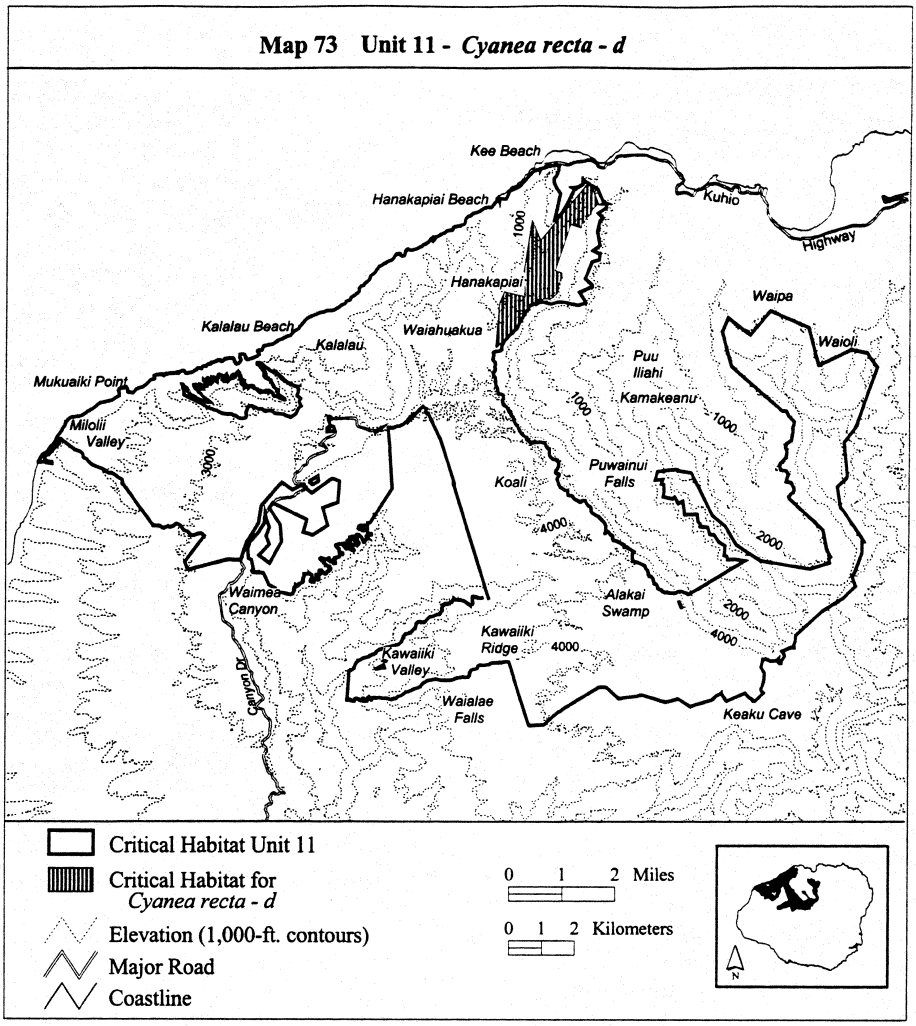


(clv) Kauai 11—*Cyanea recta*—d (397 ha; 981 ac)

(A) Unit consists of the following 95 boundary points: Start at 439347, 2452789; 439324, 2452794; 439098, 2452402; 438924, 2452225; 438576, 2451872; 438558, 2451853; 438541, 2451836; 438516, 2451811; 438493, 2451829; 438494, 2451843; 438496, 2451871; 438498, 2451889; 438597, 2453123; 438761, 2453483; 439385, 2453352; 439352,

2454138; 439582, 2455646; 439652, 2455480; 439844, 2455023; 441271, 2456733; 441363, 2456677; 441568, 2456107; 441546, 2456104; 441531, 2456098; 441511, 2456077; 441498, 2456050; 441482, 2456033; 441462, 2456017; 441414, 2455967; 441393, 2455942; 441365, 2455913; 441354, 2455880; 441351, 2455829; 441342, 2455800; 441333, 2455787; 441292, 2455760; 441264, 2455739; 441233, 2455700; 441199, 2455663; 441185, 2455633; 441176, 2455603; 441164, 2455584; 441148, 2455564; 441094, 2455523; 441060, 2455488; 441059, 2455449; 441071, 2455421; 441074, 2455406; 441073, 2455402; 440747, 2455513; 440294, 2454127; 440499, 2454060; 440485, 2453995; 440492, 2453950; 440484, 2453922; 440461, 2453865; 440450, 2453851; 440432, 2453815; 440421, 2453780; 440412, 2453745; 440410, 2453716; 440404, 2453694; 440384, 2453655; 440378, 2453623; 440380, 2453590; 440370, 2453517; 440363, 2453496; 440355, 2453461; 440350, 2453451; 440333, 2453428; 440315, 2453408; 440288, 2453388; 440275, 2453381; 440244, 2453334; 440223, 2453322; 440199, 2453305; 440147, 2453289; 440119, 2453282; 440093, 2453280; 439987, 2453284; 439962, 2453283; 439924, 2453275; 439905, 2453264; 439787, 2453162; 439724, 2453135; 439639, 2453119; 439600, 2453107; 439553, 2453082; 439503, 2453046; 439481, 2453022; 439473, 2452985; 439464, 2452963; 439414, 2452909; 439390, 2452876; 439355, 2452801; return to starting point.

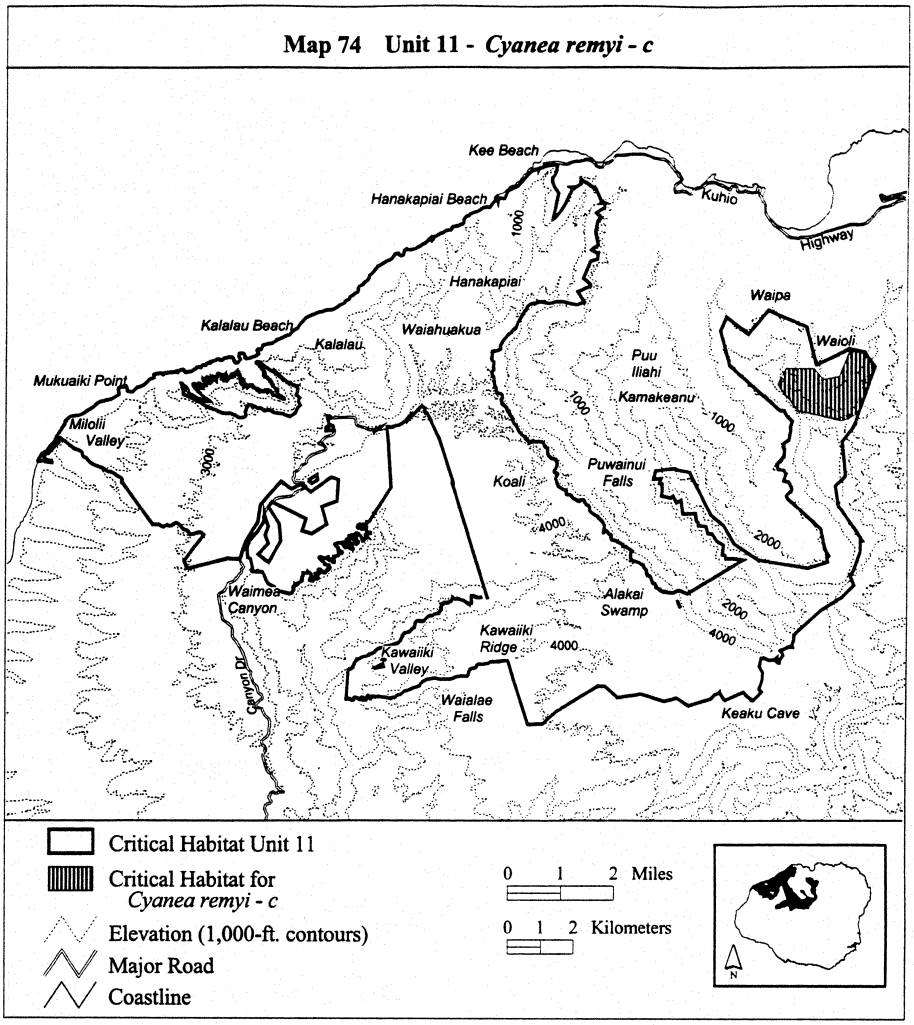
(B) NOTE: Map 73 follows:



(clvi) Kauai 11—*Cyanea remyi*—c (365 ha; 901 ac)

(A) Unit consists of the following 15 boundary points: Start at 448511, 2450831; 449003, 2450929; 449335, 2451756; 449751, 2451666; 449858, 2451521; 450073, 2451227; 449580, 2449817; 449301, 2449658; 449293, 2449649; 449066, 2449578; 448089, 2449815; 447754, 2449877; 447125, 2450677; 447365, 2451166; 448229, 2451166; return to starting point.

(B) NOTE: Map 74 follows:

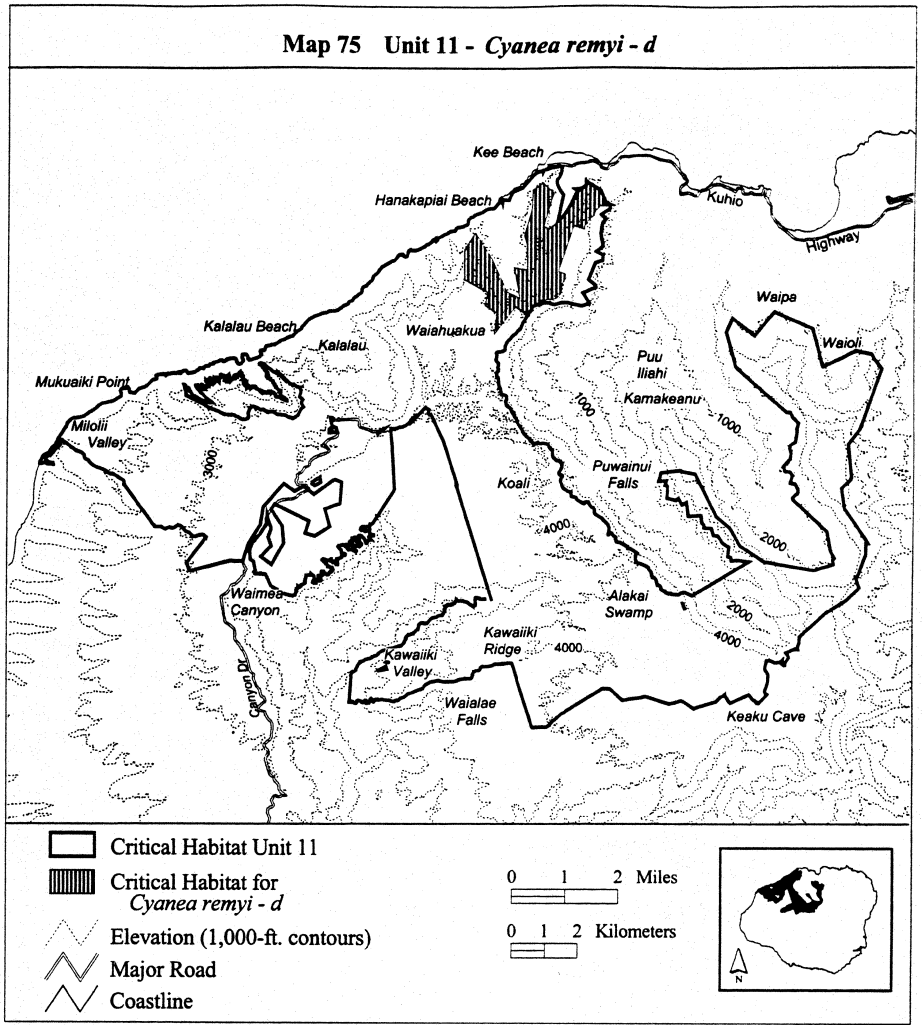


(clvii) Kauai 11—*Cyanea remyi*—d (663 ha; 1,638 ac)

(A) Unit consists of the following 105 boundary points: Start at 439352, 2452796; 439259, 2452867; 439254, 2452860; 438991, 2453057; 438335, 2452205; 438433, 2452860; 438072, 2453090; 438138, 2453483; 437449, 2453877; 437449, 2454762; 437777, 2455286; 438302, 2454467; 438728, 2453516; 439122, 2453319; 438958, 2454237; 439352, 2454171; 439352, 2454892; 439253, 2455220; 439483, 2456007; 439516, 2456564; 439800, 2456784; 439811, 2456793; 440139, 2456498; 439844, 2455482; 440008, 2455417; 440468, 2455777; 440829, 2456531; 441205, 2456774; 441506, 2456588; 441691, 2456118; 441663, 2456114; 441635, 2456115; 441546, 2456104; 441531, 2456098; 441511, 2456077; 441498, 2456050; 441482, 2456033; 441462, 2456017; 441414, 2455967; 441393, 2455942; 441365, 2455913; 441354, 2455880; 441351, 2455829; 441342, 2455800; 441333, 2455787; 441292, 2455760; 441264, 2455739; 441233, 2455700; 441199, 2455663; 441185, 2455633; 441176, 2455603; 441164, 2455584; 441148, 2455564; 441094, 2455523; 441060, 2455488; 441059,

2455449; 441071, 2455421; 441074, 2455406; 441073, 2455402; 440747, 2455513; 440294, 2454127; 440499, 2454060; 440485, 2453995; 440492, 2453950; 440484, 2453922; 440461, 2453865; 440450, 2453851; 440432, 2453815; 440421, 2453780; 440412, 2453745; 440410, 2453716; 440404, 2453694; 440384, 2453655; 440378, 2453623; 440380, 2453590; 440370, 2453517; 440363, 2453496; 440355, 2453461; 440350, 2453451; 440333, 2453428; 440315, 2453408; 440288, 2453388; 440275, 2453381; 440244, 2453334; 440223, 2453322; 440199, 2453305; 440147, 2453289; 440119, 2453282; 440093, 2453280; 439987, 2453284; 439962, 2453283; 439924, 2453275; 439905, 2453264; 439787, 2453162; 439724, 2453135; 439639, 2453119; 439600, 2453107; 439553, 2453082; 439503, 2453046; 439481, 2453022; 439473, 2452985; 439464, 2452963; 439414, 2452909; 439390, 2452876; 439355, 2452801; return to starting point.

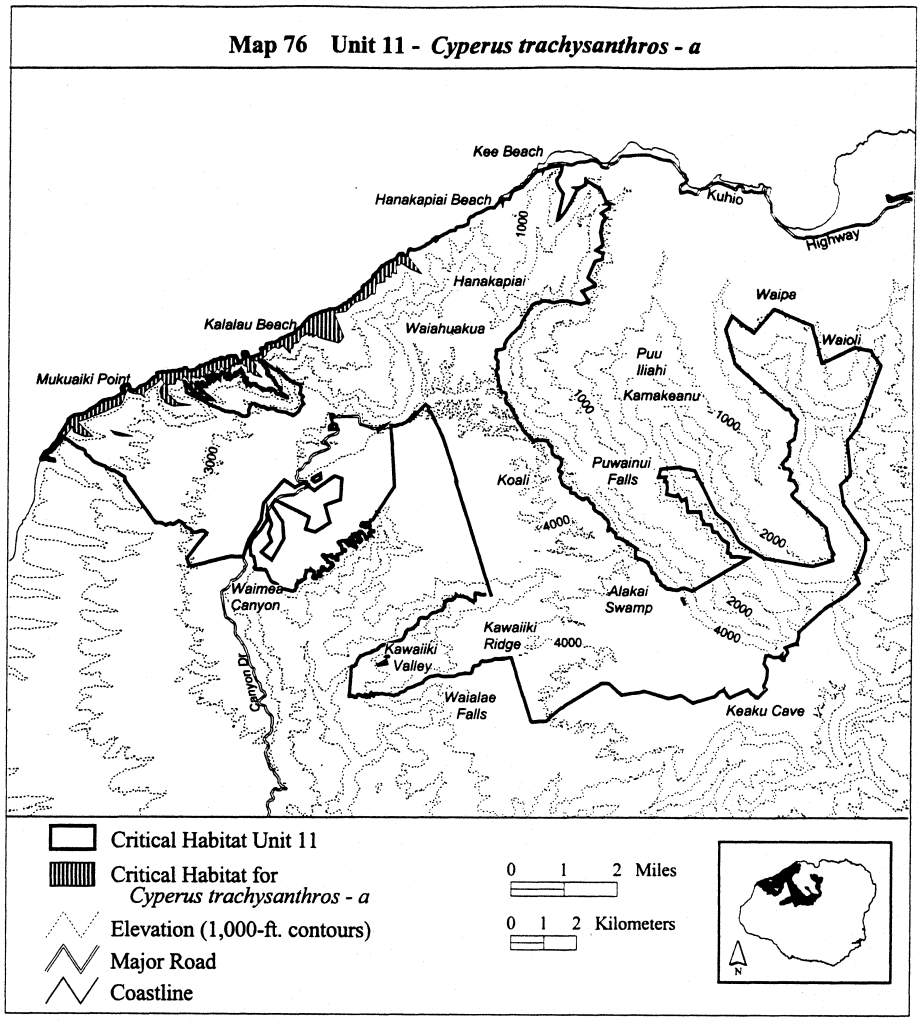
(B) NOTE: Map 75 follows:



(clviii) Kauai 11—*Cyperus trachysanthos*—a (434 ha; 1,071 ac)

(A) Unit consists of the following 243 boundary points: coastline; 436143, 2454005; 435790, 2454155; 435524, 2454345; 435470, 2454260; 435347, 2454246; 435388, 2454013; 435219, 2454036; 435223, 2453904; 435026, 2453931; 435040, 2453758; 434757, 2453703; 434734, 2453379; 434601, 2453383; 434455, 2453232; 434121, 2453118; 433837, 2452844; 433499, 2452785; 433778, 2452049; 433636, 2451866; 433009, 2452049; 432973, 2452150; 432840, 2452050; 432813, 2452159; 432735, 2452082; 432689, 2452182; 432483, 2452063; 432424, 2451917; 432378, 2451881; 432273, 2451876; 432232, 2451707; 432173, 2451699; 432163, 2451570; 431916, 2451812; 431811, 2451702; 431683, 2451766; 431518, 2451629; 431445, 2451593; 431440, 2451515; 431326, 2451415; 431115, 2451323; 430997, 2451374; 431134, 2451200; 431102, 2451054; 431303, 2450848; 431051, 2450912; 430942, 2451017; 430859, 2450994; 430850, 2451168; 430745, 2451186; 430713, 2451255; 430544, 2451223; 430489, 2451269; 430475, 2451150; 430379, 2451209; 430352, 2451045; 430237, 2451109; 430201, 2451040; 430141, 2451068; 430068, 2451200; 429995, 2451049; 429908, 2451100; 429899, 2451013; 429862, 2450990; 429807, 2451031; 429798, 2450944; 429670, 2451086; 429647, 2450908; 429519, 2450985; 429524, 2450839; 429441, 2450876; 429428, 2450775; 429368, 2450839; 429295, 2450803; 429194, 2450889; 429176, 2450832; 429167, 2450752; 429341, 2450469; 429501, 2450314; 429277, 2450419; 429121, 2450684; 429066, 2450711; 429016, 2450803; 428947, 2450867; 428852, 2450725; 428718, 2450784; 428677, 2450629; 428494, 2450620; 428439, 2450574; 428467, 2450286; 428563, 2450254; 428577, 2450181; 428696, 2450131; 428718, 2450058; 429126, 2449985; 428627, 2449953; 428357, 2450071; 428348, 2450154; 428247, 2450209; 428256, 2450282; 428202, 2450373; 428234, 2450515; 428334, 2450643; 428229, 2450807; 428192, 2450711; 428032, 2450579; 427849, 2450474; 427735, 2450364; 427730, 2450273; 427767, 2450222; 427607, 2450314; 427424, 2450332; 427278, 2450382; 427232, 2450464; 427187, 2450350; 427044, 2450030; 426976, 2449971; 426802, 2449921; 426583, 2449806; 426111, 2449624; 426084, 2449592; 425722, 2449473; 425854, 2449326; 426171, 2449034; 425960, 2449029; 425741, 2449098; 425576, 2449176; 425548, 2449331; 425490, 2449258; 425402, 2449098; 425340, 2449032; 425322, 2448983; 425322, 2448984; 425310, 2448993; 425272, 2449039; 425267, 2449033; 425258, 2449022; 425253, 2449013; 425252, 2449003; 425253, 2448996; 425251, 2448992; 425242, 2448981; 425239, 2448972; 425231, 2448956; 425224, 2448934; 425222, 2448911; 425223, 2448900; 425224, 2448891; 425223, 2448883; 425218, 2448877; 425212, 2448878; 425208, 2448876; 425201, 2448872; 425192, 2448867; 425181, 2448859; 425172, 2448853; 425162, 2448844; 425158, 2448833; 425157, 2448818; 425153, 2448809; 425148, 2448807; 425136, 2448801; 425124, 2448795; 425120, 2448790; 425112, 2448785; 425100, 2448774; 425094, 2448768; 425081, 2448757; 425070, 2448745; 425062, 2448734; 425053, 2448723; 425044, 2448711; 425043, 2448695; 425029, 2448684; 425024, 2448675; 425017, 2448667; 425011, 2448659; 424999, 2448650; 424991, 2448642; 424980, 2448628; 424973, 2448615; 424956, 2448592; 424936, 2448587; 424929, 2448581; 424924, 2448574; 424917, 2448569; 424910, 2448561; 424906, 2448551; 424898, 2448552; 424886, 2448554; 424877, 2448554; 424871, 2448552; 424863, 2448548; 424849, 2448543; 424840, 2448538; 424824, 2448534; 424811, 2448524; 424803, 2448521; 424795, 2448511; 424785, 2448498; 424778, 2448484; 424774, 2448461; 424778, 2448445; 424791, 2448421; 424819, 2448402; 424832, 2448389; 424848, 2448376; 424871, 2448368; 424900, 2448356; 424929, 2448346; 424953, 2448337; 424973, 2448335; 424990, 2448333; 424997, 2448333; 425003, 2448327; 425006, 2448318; 425009, 2448308; 425011, 2448298; 425013, 2448289; 425015, 2448280; 425010, 2448272; 424998, 2448277; 424991, 2448284; 424983, 2448288; 424971, 2448291; 424957, 2448291; 424948, 2448290; 424933, 2448287; 424927, 2448284; 424915, 2448289; 424892, 2448299; 424874, 2448301; 424841, 2448311; 424823, 2448330; 424803, 2448337; 424777, 2448336; 424735, 2448339; 424711, 2448334; 424677, 2448333; 424664, 2448328; 424648, 2448323; 424633, 2448323; 424603, 2448328; 435703, 2454582; coastline.

(B) NOTE: Map 76 follows:

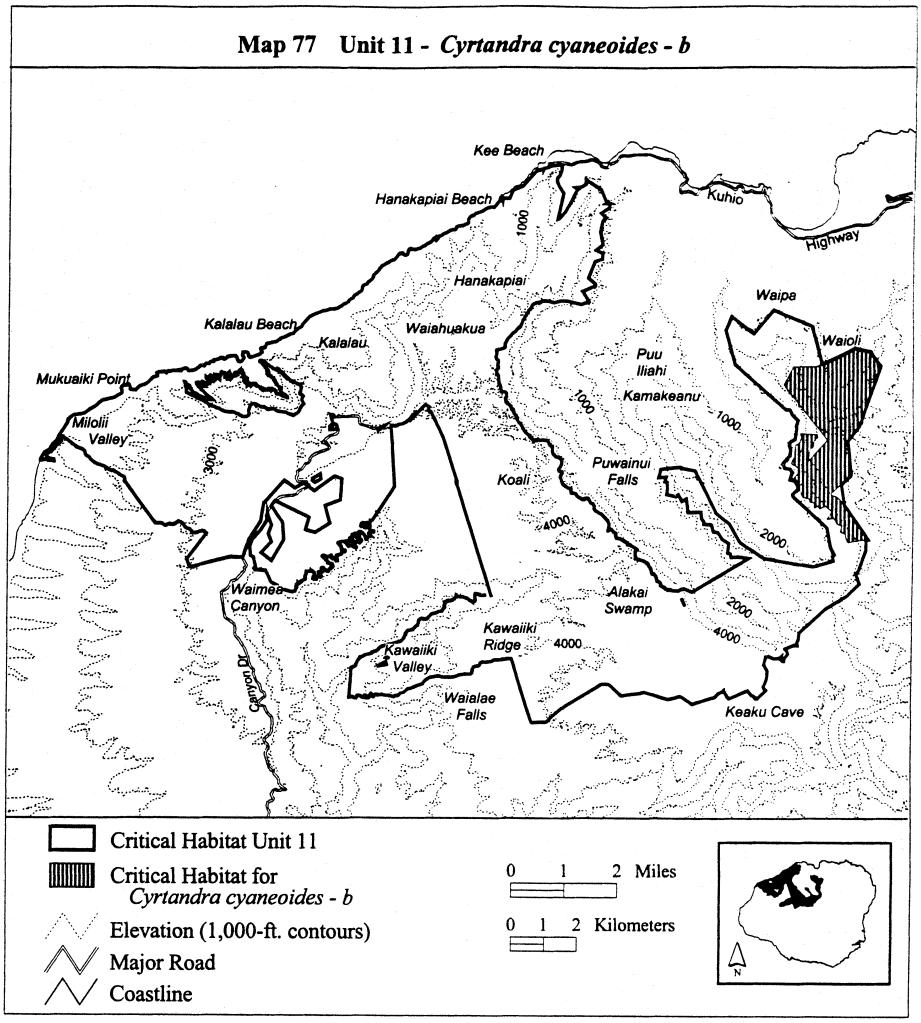


(clix) Kauai 11—*Cyrtandra cyaneoides*—b (848 ha; 2,095 ac)

(A) Unit consists of the following 75 boundary points: Start at 449861, 2451529; 450084, 2451212; 449426, 2449387; 449074, 2448967; 449179, 2447924; 448876, 2447641; 448557, 2447345; 448557, 2447312; 448681, 2447286; 448798, 2447208; 448908, 2447104; 448960, 2446994; 448980, 2446982; 449012, 2446961; 449637, 2446073; 449643, 2446064; 449701, 2445980; 449643, 2445970; 449090, 2445877; 449051, 2445968; 449012, 2446098; 448993, 2446163; 448869, 2446202; 448902, 2446403; 448798, 2446409; 448720, 2446481; 448694, 2446585; 448629, 2446617; 448460, 2446578; 448603, 2446812; 448408, 2446975; 448219, 2446884; 448174, 2446975; 448076, 2446916; 448076, 2447072; 447927, 2447098; 447912, 2447199; 447715, 2447234; 447448, 2447822; 447569, 2447951; 447569, 2448073; 447563, 2448144; 447368, 2448248; 447394, 2448358; 447465, 2448443; 447459, 2448592; 447472, 2448677; 447491, 2448806; 447615, 2448891; 447680, 2449047; 447621, 2449157; 448135, 2449124; 448161, 2449040; 448102, 2449001; 448089, 2448962; 448044,

2448930; 448044, 2448891; 448037, 2448845; 448037, 2448793; 448011, 2448754; 447992, 2448715; 447946, 2448722; 447914, 2448618; 447901, 2448514; 447888, 2448371; 447903, 2448341; 448447, 2448963; 447139, 2450654; 447435, 2451197; 448110, 2451196; 448295, 2451280; 448295, 2451280; 448306, 2451285; 449344, 2451755; 449772, 2451656; return to starting point.

(B) NOTE: Map 77 follows:

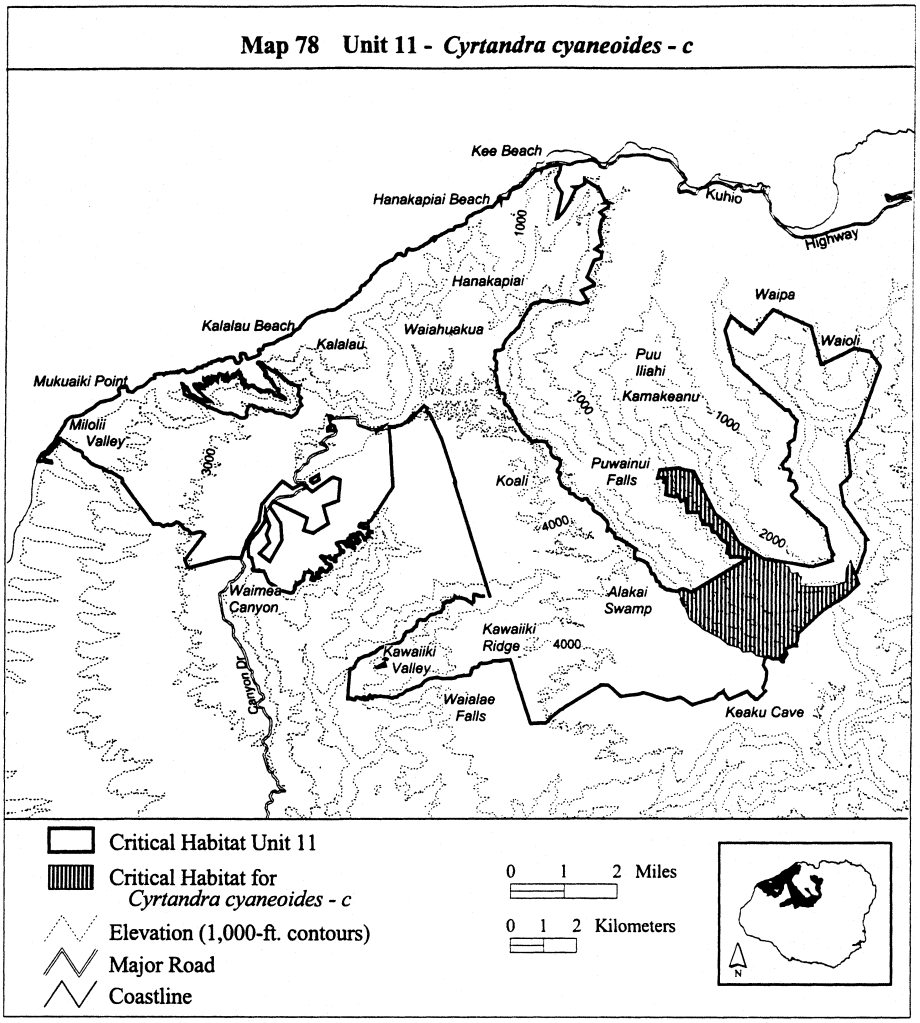


(clx) Kauai 11—*Cyrtandra cyaneoides*—c (1,118 ha; 2,763 ac)

(A) Unit consists of the following 94 boundary points: Start at 449346, 2444938; 449459, 2444635; 449081, 2444273; 448798, 2444099; 448808, 2444095; 448479, 2443895; 448470, 2443888; 448470, 2443889; 448458, 2443882; 447645, 2443146; 447630, 2442948; 447577, 2442842; 447599, 2442773; 447508, 2442781; 447227, 2442660; 447295, 2442584; 447303, 2442515; 447197, 2442356; 447197, 2442303; 447151, 2442303; 447113,

2442348; 447128, 2442447; 447060, 2442386; 446885, 2442379; 446771, 2442439; 446645, 2442430; 446392, 2442475; 446233, 2442597; 445958, 2442590; 445854, 2442727; 445527, 2442820; 445264, 2443031; 445101, 2443109; 444763, 2443280; 444640, 2443388; 444336, 2443592; 444214, 2443918; 444073, 2444237; 443984, 2444419; 444071, 2444486; 444162, 2444498; 444398, 2444392; 446102, 2445409; 445791, 2445455; 445563, 2445432; 445555, 2445554; 445464, 2445569; 445495, 2445850; 445297, 2445979; 445160, 2446184; 445023, 2446199; 444955, 2446412; 444727, 2446435; 444727, 2446518; 444674, 2446572; 444636, 2446799; 444256, 2446777; 444203, 2447187; 444066, 2447118; 443960, 2447308; 443876, 2447248; 443595, 2447316; 443618, 2447460; 443610, 2447688; 443542, 2447696; 443580, 2447840; 443352, 2447817; 443420, 2448068; 444020, 2448144; 444089, 2448098; 444454, 2448029; 445092, 2446769; 445495, 2446450; 445821, 2445880; 446566, 2445401; 446809, 2445363; 446811, 2445362; 447161, 2445302; 447195, 2445249; 447262, 2445171; 447352, 2445171; 447396, 2444981; 447463, 2444948; 447564, 2444981; 447631, 2444981; 447665, 2444858; 447754, 2444858; 447676, 2444668; 447682, 2444602; 448036, 2444548; 448629, 2444567; 449056, 2444698; 449077, 2445069; 449193, 2445350; return to starting point.

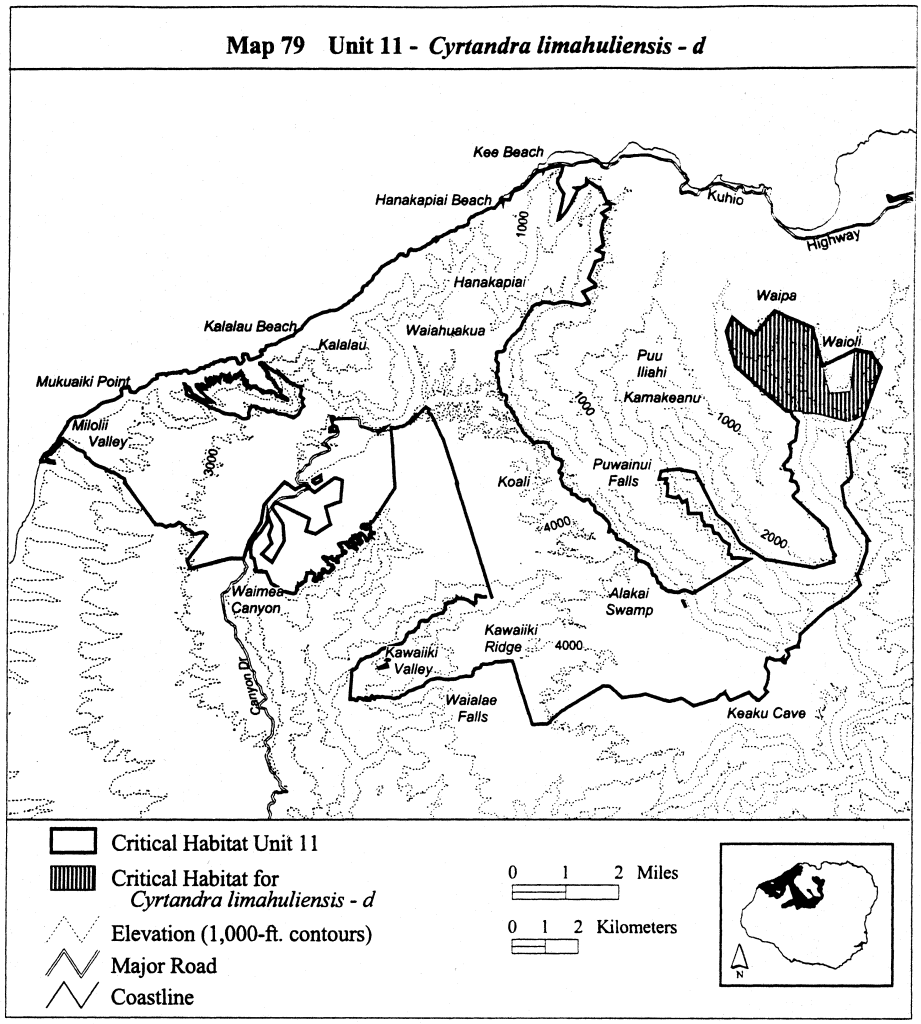
(B) NOTE: Map 78 follows:



(clxi) Kauai 11—*Cyrtandra limahuliensis*—d (816 ha; 2,016 ac)

(A) Unit consists of the following 33 boundary points: Start at 448313, 2451213; 448519, 2450440; 448878, 2450478; 449147, 2450506; 449269, 2451755; 449288, 2451766; 449751, 2451666; 449858, 2451521; 450073, 2451227; 449575, 2449805; 449289, 2449638; 449295, 2449676; 449206, 2449638; 449066, 2449578; 448845, 2449631; 448232, 2449780; 447892, 2449847; 447888, 2449814; 447596, 2449889; 447198, 2449897; 445666, 2451248; 445376, 2452300; 445547, 2452722; 446226, 2452194; 446834, 2452923; 446988, 2452850; 447991, 2452420; 448004, 2452370; 448015, 2452365; 448045, 2452217; 448294, 2451285; 448295, 2451280; 448295, 2451280; return to starting point.

(B) NOTE: Map 79 follows:

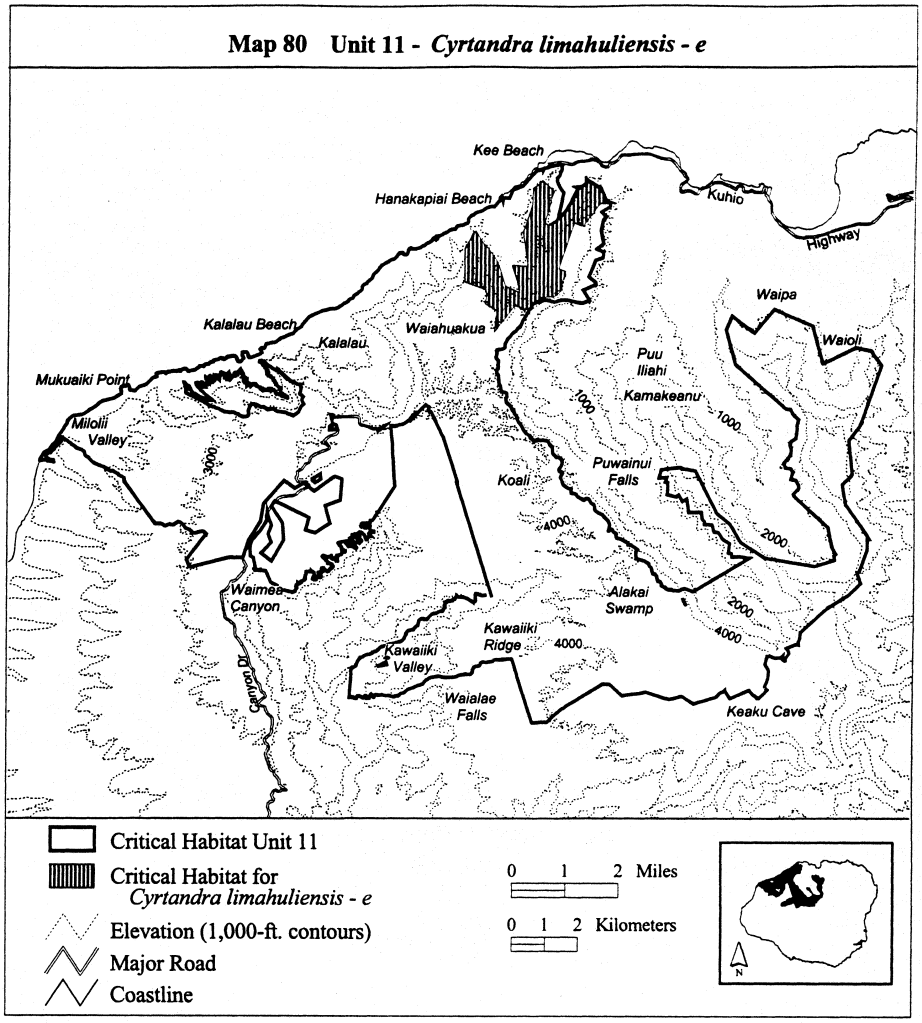


(clxii) Kauai 11—*Cyrtandra limahuliensis*—e (693 ha; 1,712 ac)

(A) Unit consists of the following 132 boundary points: Start at 439377, 2452849; 439385, 2452892; 439375, 2452895; 439303, 2452917; 439254, 2452860; 439091, 2452982; 438975, 2453018; 438381, 2452259; 438382, 2452266; 438335, 2452205; 438433, 2452860; 438072, 2453090; 438113, 2453336; 438084, 2453513; 437456, 2453744; 437460, 2453870; 437449, 2453877; 437449, 2454762; 437600, 2455005; 437720, 2455261; 437744, 2455234; 437777, 2455286; 437998, 2454941; 438150, 2454766; 438447, 2454337; 438660, 2453669; 438688, 2453607; 439106, 2453412; 439045, 2453751; 438876, 2454238; 438959, 2454233; 438958, 2454237; 439001, 2454230; 439352, 2454206; 439352, 2454221; 439352, 2454326; 439206, 2455228; 439438, 2455920; 439489, 2456098; 439516, 2456564; 439685, 2456695; 439735, 2456777; 439762, 2456755; 439800, 2456784; 439811, 2456793; 440139, 2456498; 440126, 2456452; 440131, 2456448; 440083, 2456303; 439860, 2455537; 439966, 2455458; 440428, 2455755; 440674, 2456209; 440829, 2456531; 441205, 2456774; 441566,

2456551; 441751, 2456130; 441694, 2456118; 441663, 2456114; 441635, 2456115; 441546, 2456104; 441531, 2456098; 441511, 2456077; 441498, 2456050; 441482, 2456033; 441462, 2456017; 441414, 2455967; 441393, 2455942; 441365, 2455913; 441354, 2455880; 441351, 2455829; 441342, 2455800; 441333, 2455787; 441292, 2455760; 441264, 2455739; 441233, 2455700; 441199, 2455663; 441185, 2455633; 441176, 2455603; 441164, 2455584; 441148, 2455564; 441094, 2455523; 441060, 2455488; 441059, 2455449; 441071, 2455421; 441074, 2455406; 441073, 2455402; 440747, 2455513; 440294, 2454127; 440499, 2454060; 440485, 2453995; 440492, 2453950; 440484, 2453922; 440461, 2453865; 440450, 2453851; 440432, 2453815; 440421, 2453780; 440412, 2453745; 440410, 2453716; 440404, 2453694; 440384, 2453655; 440378, 2453623; 440380, 2453590; 440370, 2453517; 440363, 2453496; 440355, 2453461; 440350, 2453451; 440333, 2453428; 440315, 2453408; 440288, 2453388; 440275, 2453381; 440244, 2453334; 440223, 2453322; 440199, 2453305; 440147, 2453289; 440119, 2453282; 440093, 2453280; 439987, 2453284; 439962, 2453283; 439924, 2453275; 439905, 2453264; 439787, 2453162; 439724, 2453135; 439639, 2453119; 439600, 2453107; 439553, 2453082; 439503, 2453046; 439481, 2453022; 439473, 2452985; 439464, 2452963; 439414, 2452909; 439390, 2452876; return to starting point.

(B) NOTE: Map 80 follows:



(clxiii) Kauai 11–*Cyrtandra oenobarba*–d

(A) See paragraph (a)(1)(cxl)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(cxl)(B) of this section for the map of this unit.

(clxiv) Kauai 11–*Cyrtandra oenobarba*–e

(A) See paragraph (a)(1)(cxli)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(cxli)(B) of this section for the map of this unit.

(clxv) Kauai 11–*Cyrtandra paliku*–c

(A) See paragraph (a)(1)(cxli)(A) of this section for the textual description of this unit.

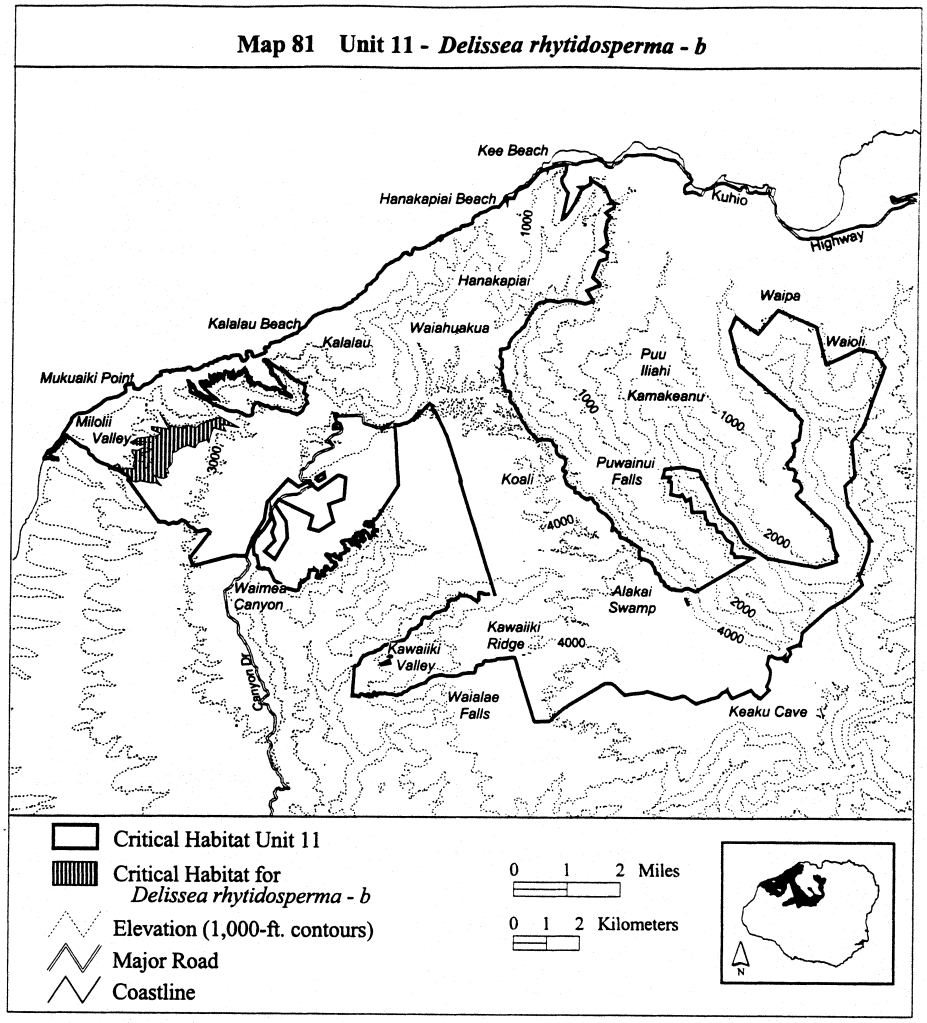
(B) See paragraph (a)(1)(cxli)(B) of this section for the map of this unit.

(clxvi) Kauai 11—*Delissea rhytidosperma*—b (258 ha; 638 ac)

(A) Unit consists of the following 68 boundary points: Start at 427512, 2447661; 427401, 2447626; 427168, 2447697;

427158, 2447803; 427006, 2447889; 426818, 2448021; 426691, 2448046; 426610, 2448067; 426798, 2448132; 426899, 2448153; 426955, 2448021; 427229, 2448036; 427289, 2448036; 427386, 2448046; 427325, 2448122; 427325, 2448229; 427355, 2448249; 427355, 2448360; 427300, 2448487; 427259, 2448528; 427269, 2448599; 427446, 2448578; 427558, 2448644; 427624, 2448639; 427634, 2448766; 427502, 2448766; 427208, 2448806; 427418, 2448938; 427406, 2448942; 428005, 2449021; 428147, 2449092; 427847, 2449218; 427847, 2449312; 428375, 2449234; 428131, 2449675; 428399, 2449328; 428880, 2449265; 428888, 2449352; 429187, 2449281; 429353, 2449407; 429952, 2449596; 430487, 2449296; 429983, 2449391; 430109, 2449178; 429723, 2449281; 429636, 2449029; 429597, 2448816; 429534, 2448918; 429282, 2448824; 429179, 2448666; 428958, 2448753; 428730, 2448635; 428596, 2448556; 428509, 2448525; 428496, 2448530; 428491, 2448254; 428475, 2448168; 428338, 2448036; 428389, 2447899; 428298, 2447925; 428338, 2447788; 428237, 2447742; 428115, 2447757; 427948, 2447828; 428060, 2447646; 428161, 2447535; 427999, 2447606; 427867, 2447600; return to starting point.

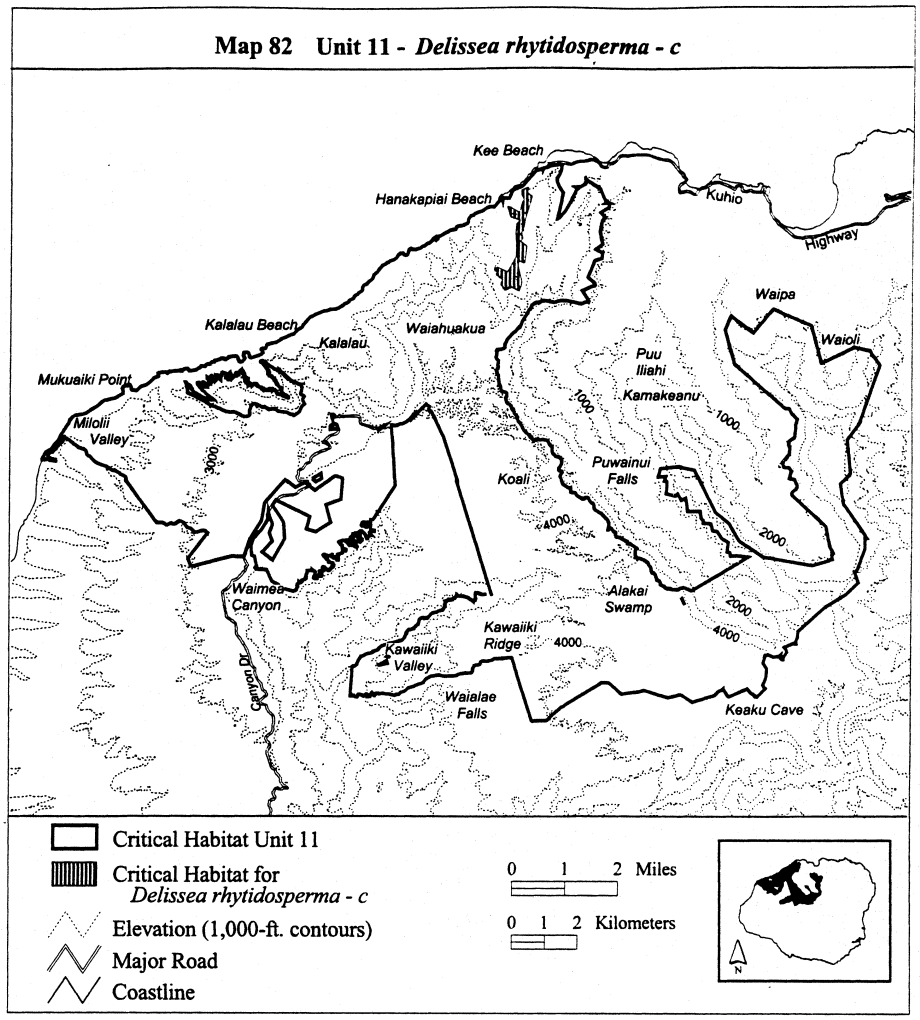
(B) NOTE: Map 81 follows:



(clxvii) Kauai 11—*Delissea rhytidosperma*—c (103 ha; 254 ac)

(A) Unit consists of the following 39 boundary points: Start at 438364, 2454097; 438437, 2454207; 438755, 2454060; 439018, 2454506; 439006, 2454940; 438994, 2455239; 439012, 2455501; 439122, 2455605; 438829, 2455709; 438743, 2456014; 438786, 2456026; 439085, 2455849; 439128, 2455935; 439177, 2456124; 439244, 2456234; 439165, 2456393; 439165, 2456515; 439361, 2456606; 439367, 2456521; 439336, 2456441; 439489, 2456325; 439275, 2455605; 439238, 2455397; 439159, 2455226; 439208, 2455062; 439153, 2454964; 439336, 2454829; 439275, 2454329; 439092, 2454390; 439067, 2454286; 439073, 2454201; 439189, 2453737; 439104, 2453474; 438878, 2453590; 438676, 2453486; 438560, 2453682; 438596, 2453822; 438413, 2453981; 438468, 2454054; return to starting point.

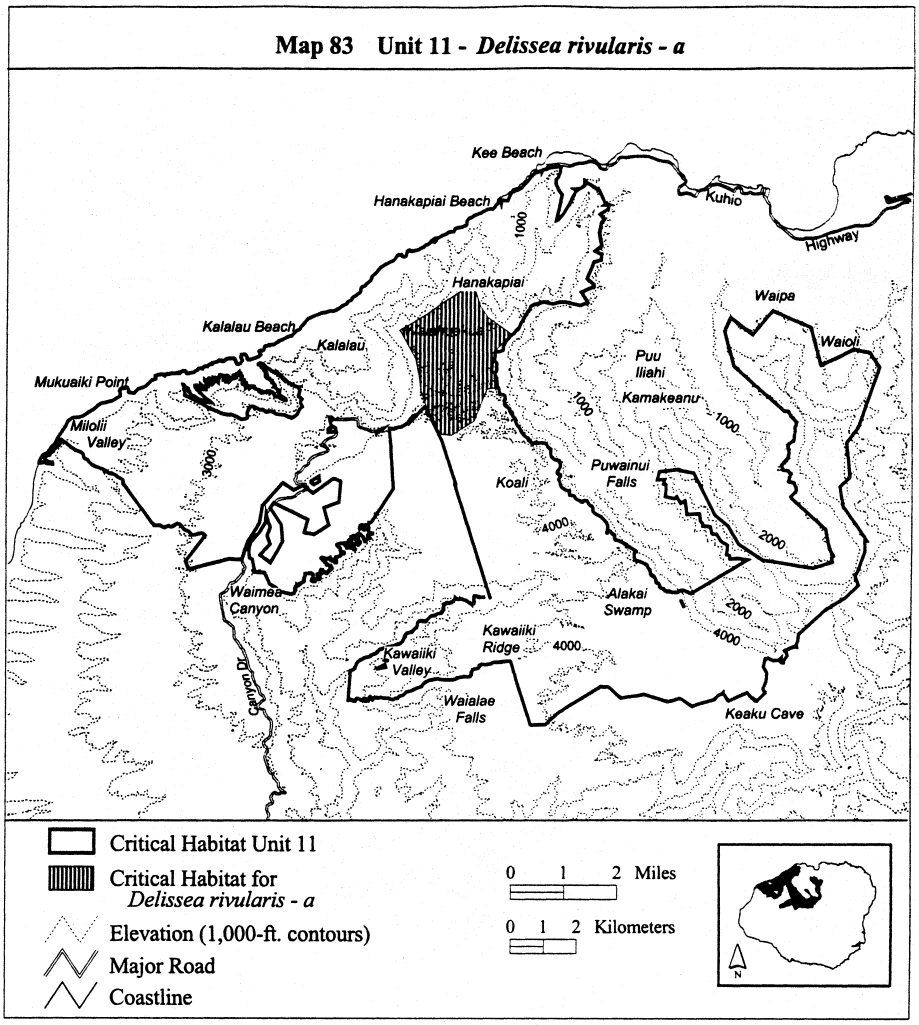
(B) NOTE: Map 82 follows:



(clxviii) Kauai 11—*Delissea rivularis*—a (850 ha; 2,100 ac)

(A) Unit consists of the following 31 boundary points: Start at 438480, 2450624; 438190, 2450564; 438025, 2450154; 437804, 2449609; 437124, 2449170; 436726, 2449208; 436361, 2450013; 436328, 2450087; 436322, 2450079; 436197, 2450481; 436114, 2451018; 436027, 2451473; 435769, 2451955; 435533, 2452339; 435549, 2452356; 435856, 2452536; 436367, 2452827; 436965, 2453265; 437639, 2453676; 437771, 2453681; 437810, 2453604; 437963, 2453122; 438210, 2452738; 438819, 2452300; 438913, 2452214; 438478, 2451772; 438422, 2451715; 438390, 2451682; 438377, 2451065; 438401, 2450962; 438479, 2450630; return to starting point.

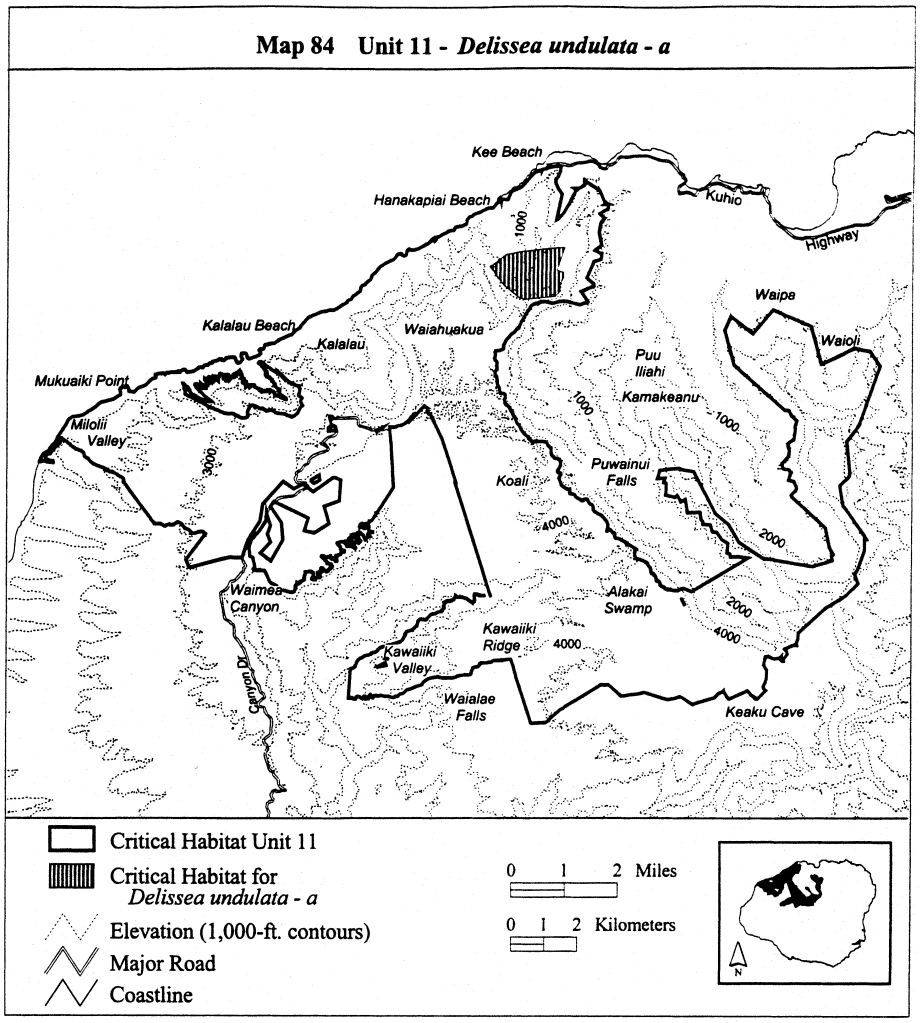
(B) NOTE: Map 83 follows:



(clxix) Kauai 11—*Delissea undulata*—a (257 ha; 635 ac)

(A) Unit consists of the following 35 boundary points: Start at 440245, 2453335; 439623, 2453274; 439296, 2453242; 439152, 2453286; 438673, 2453669; 438255, 2454243; 438351, 2454304; 438747, 2454599; 439309, 2454708; 439737, 2454756; 440202, 2454807; 440517, 2454810; 440294, 2454127; 440499, 2454060; 440485, 2453995; 440492, 2453950; 440484, 2453922; 440461, 2453865; 440450, 2453851; 440432, 2453815; 440421, 2453780; 440412, 2453745; 440410, 2453716; 440404, 2453694; 440384, 2453655; 440378, 2453623; 440380, 2453590; 440370, 2453517; 440363, 2453496; 440355, 2453461; 440350, 2453451; 440333, 2453428; 440315, 2453408; 440288, 2453388; 440275, 2453381; return to starting point.

(B) NOTE: Map 84 follows:

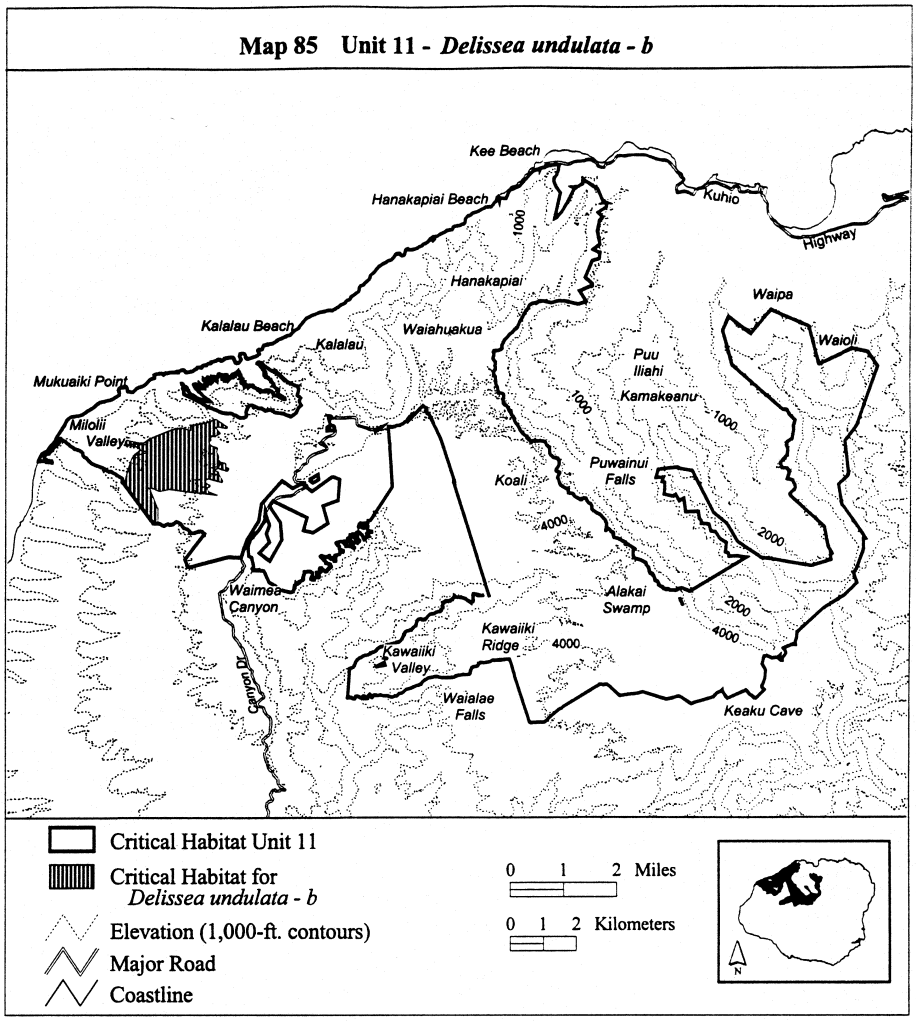


(clxx) Kauai 11—*Delissea undulata*—b (532 ha; 1,314 ac)

(A) Unit consists of the following 90 boundary points: Start at 428237, 2446901; 428241, 2446462; 428116, 2446474; 428047, 2446484; 427205, 2447633; 427225, 2447691; 427222, 2447694; 427270, 2447855; 427313, 2448038; 427392, 2448290; 427457, 2448429; 427496, 2448503; 427596, 2448586; 427679, 2448656; 427688, 2448708; 427671, 2448747; 427596, 2448756; 427401, 2448799; 427039, 2448843; 426991, 2448882; 426969, 2448912; 426987, 2448952; 427057, 2449030; 427122, 2449004; 427666, 2448886; 427814, 2448886; 427954, 2448999; 428083, 2449050; 428079, 2449052; 428687, 2449290; 428949, 2449350; 429218, 2449266; 429218, 2449403; 429731, 2449517; 429987, 2449618; 430333, 2449379; 430316, 2449326; 430059, 2449379; 429970, 2449362; 430029, 2449298; 430122, 2449180; 429949, 2449083; 429883, 2449088; 429820, 2449047; 429848, 2448974; 429795, 2448931; 429797, 2448840; 429892, 2448775; 429896, 2448772; 430004, 2448754; 430046, 2448712; 430016, 2448610; 430076, 2448477; 430058, 2448363; 430137, 2448297; 430251,

2448279; 430299, 2448243; 430287, 2448141; 430377, 2448105; 430383, 2448063; 430347, 2448021; 430191, 2448063; 430076, 2448105; 429998, 2448093; 429974, 2448039; 430064, 2448003; 430076, 2447949; 430203, 2447726; 430179, 2447678; 429758, 2447786; 429662, 2447744; 429692, 2447648; 429818, 2447594; 429824, 2447540; 429740, 2447522; 429722, 2447504; 429770, 2447396; 429860, 2447366; 430010, 2447294; 429000, 2447414; 428586, 2447474; 428465, 2447432; 428291, 2447414; 428039, 2447510; 427984, 2447510; 427984, 2447511; 427980, 2447502; 427934, 2447525; 427983, 2447490; 428217, 2446900; return to starting point.

(B) NOTE: Map 85 follows:

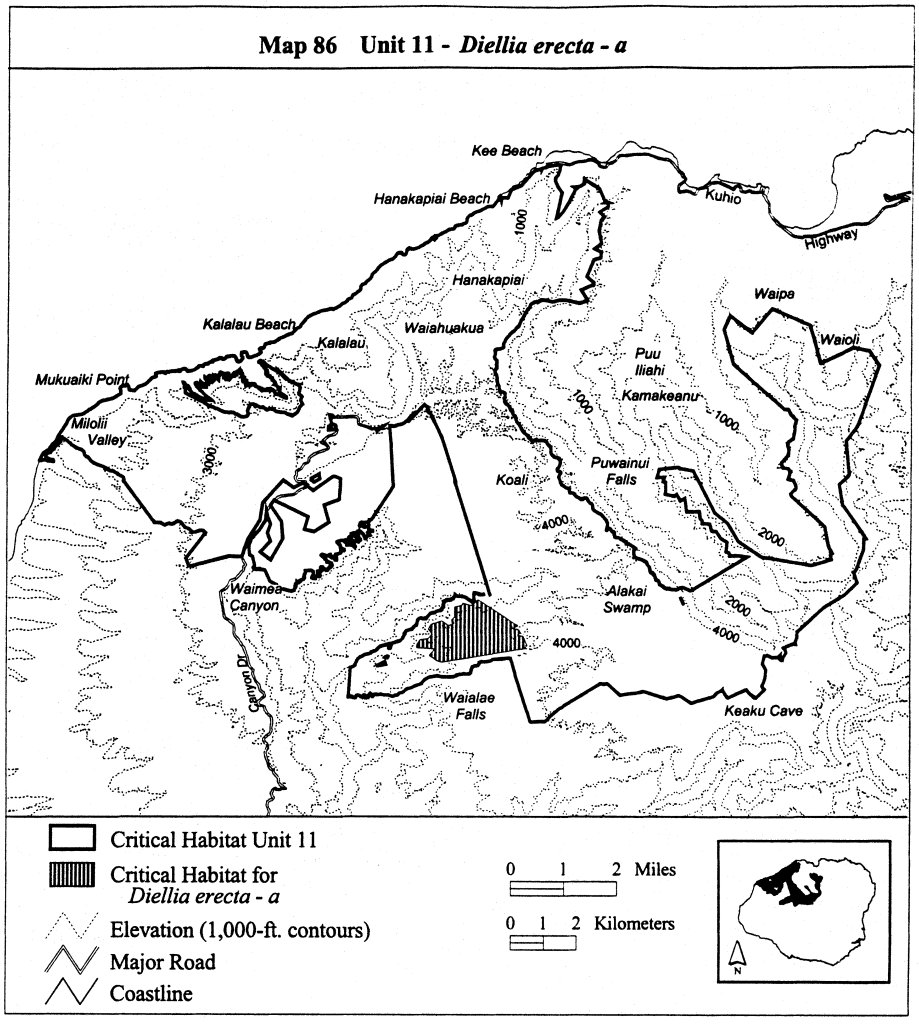


(clxxi) Kauai 11—*Diellia erecta*—a (364 ha; 901 ac)

(A) Unit consists of the following 30 boundary points: Start at 437962, 2444106; 439160, 2443328; 439020, 2443250;

439191, 2443203; 439238, 2443125; 439168, 2443024; 439316, 2443017; 439440, 2442729; 439378, 2442635; 436857, 2442223; 436732, 2442270; 436483, 2442441; 436654, 2442636; 436102, 2442659; 436086, 2442721; 436188, 2442916; 436452, 2442939; 436553, 2443095; 436444, 2443235; 436522, 2443367; 436857, 2443468; 437067, 2443336; 437176, 2443359; 437160, 2443499; 437246, 2443585; 437246, 2443733; 437246, 2443888; 437479, 2443943; 437487, 2444013; 437760, 2443935; return to starting point.

(B) NOTE: Map 86 follows:



(clxxii) Kauai 11–*Diellia mannii*–a

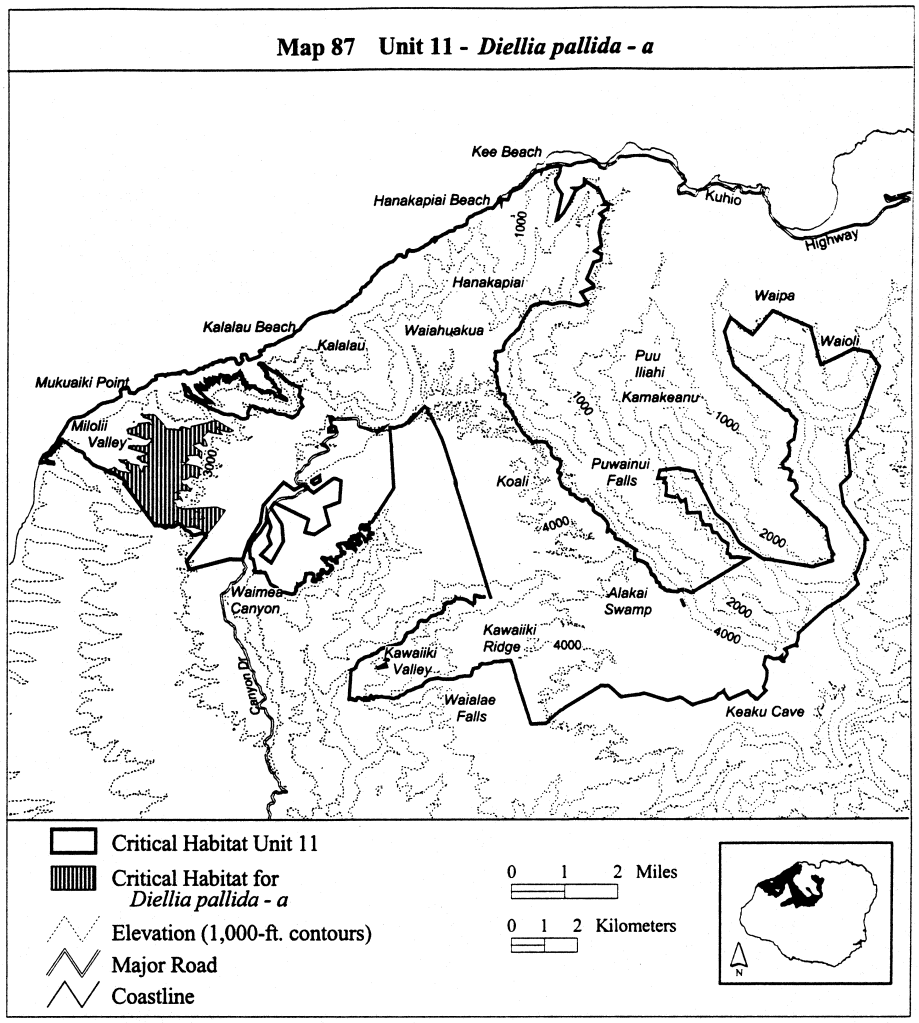
(A) See paragraph (a)(1)(cxlvi)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(cxlvi)(B) of this section for the map of this unit.

(clxxiii) Kauai 11—*Diellia pallida*—a (601 ha; 1,485 ac)

(A) Unit consists of the following 181 boundary points: Start at 426612, 2448093; 426664, 2448093; 426740, 2448131; 426778, 2448146; 426847, 2448184; 426900, 2448169; 426968, 2448086; 427044, 2448078; 427082, 2448063; 427143, 2448040; 427196, 2448048; 427280, 2448010; 427341, 2448010; 427402, 2448025; 427402, 2448040; 427303, 2448093; 427219, 2448169; 427227, 2448222; 427196, 2448314; 427136, 2448314; 427037, 2448359; 426999, 2448420; 427067, 2448390; 427120, 2448390; 427219, 2448405; 427288, 2448352; 427348, 2448298; 427394, 2448291; 427463, 2448268; 427599, 2448238; 427615, 2448154; 427653, 2448101; 427698, 2448048; 427729, 2448040; 427744, 2448055; 427721, 2448108; 427713, 2448146; 427774, 2448222; 427827, 2448215; 427881, 2448200; 427919, 2448200; 427852, 2448318; 427706, 2448338; 427555, 2448483; 427878, 2448586; 427308, 2448763; 427308, 2448817; 427841, 2448838; 428023, 2449021; 427927, 2449075; 427846, 2449021; 427287, 2449220; 427243, 2449338; 427421, 2449381; 427604, 2449467; 427572, 2449510; 427905, 2449553; 428050, 2449424; 427970, 2449634; 427749, 2449709; 427706, 2449768; 427841, 2449784; 428077, 2449779; 428249, 2449634; 428352, 2449494; 428448, 2449360; 428868, 2449317; 428836, 2449381; 428932, 2449419; 429158, 2449338; 429196, 2449430; 429702, 2449537; 429922, 2449601; 429955, 2449612; 430471, 2449300; 430347, 2449252; 430067, 2449311; 430030, 2449397; 429955, 2449392; 430143, 2449177; 429739, 2449258; 429729, 2449301; 429508, 2449075; 429605, 2449037; 429675, 2448822; 429562, 2448817; 429465, 2448924; 429239, 2448849; 429508, 2448650; 429492, 2448446; 429406, 2448553; 429045, 2448542; 429126, 2448408; 429019, 2448317; 428868, 2448344; 428916, 2448236; 429013, 2448295; 429379, 2448214; 429675, 2448059; 429417, 2447935; 429411, 2447843; 429234, 2447908; 429226, 2447910; 429150, 2447895; 429112, 2447865; 429105, 2447827; 429014, 2447812; 428899, 2447797; 428884, 2447766; 428922, 2447721; 428945, 2447675; 428983, 2447645; 429021, 2447645; 429044, 2447683; 429067, 2447652; 429097, 2447607; 429120, 2447569; 429173, 2447538; 429242, 2447553; 429166, 2447447; 429105, 2447500; 428983, 2447470; 428960, 2447493; 428854, 2447477; 428709, 2447417; 428793, 2447417; 428869, 2447401; 428793, 2447371; 428808, 2447310; 428869, 2447295; 428915, 2447181; 428854, 2447234; 428778, 2447204; 428694, 2447204; 428641, 2447173; 428737, 2447103; 428743, 2447006; 428931, 2446939; 429484, 2446970; 429961, 2446989; 430253, 2446887; 430028, 2446579; 429664, 2446148; 429580, 2446182; 429485, 2446305; 429263, 2446389; 429094, 2446389; 428972, 2446421; 428904, 2446474; 428793, 2446542; 428740, 2446564; 428655, 2446474; 428602, 2446447; 428476, 2446463; 428396, 2446447; 428285, 2446458; 428116, 2446474; 428047, 2446484; 427185, 2447661; 427161, 2447669; 427157, 2447676; 427157, 2447711; 427175, 2447754; 427176, 2447775; 427171, 2447800; 427160, 2447815; 427124, 2447837; 427084, 2447847; 427039, 2447867; 426997, 2447892; 426981, 2447902; 426958, 2447923; 426944, 2447941; 426907, 2447965; 426847, 2447992; 426819, 2447998; 426798, 2448010; 426758, 2448005; 426737, 2448009; 426722, 2448015; 426613, 2448093; return to starting point.

(B) NOTE: Map 87 follows:

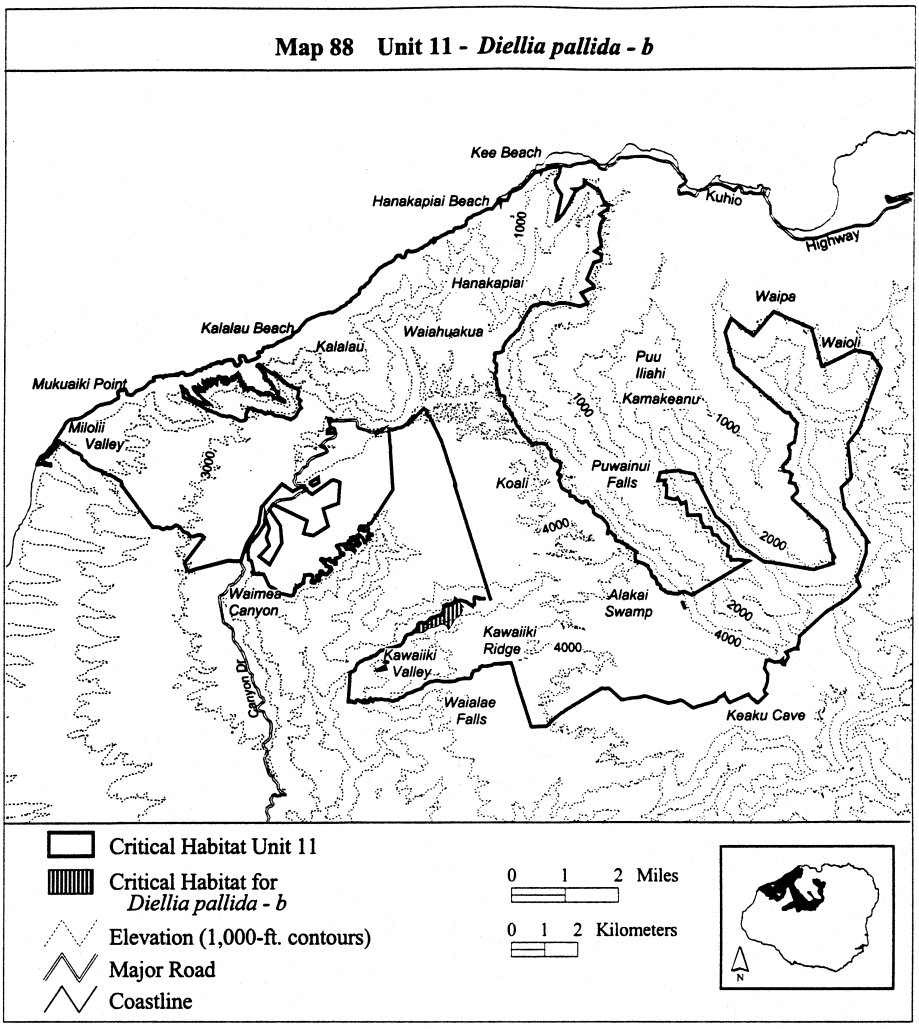


(clxxiv) Kauai 11—*Diellia pallida*—b (55 ha; 136 ac)

(A) Unit consists of the following 120 boundary points: Start at 437314, 2444224; 437517, 2444006; 437424, 2443802; 437257, 2443672; 437121, 2443437; 437053, 2443332; 436979, 2443480; 436849, 2443518; 436688, 2443443; 436465, 2443375; 436280, 2443264; 435945, 2443237; 435949, 2443246; 435958, 2443255; 435969, 2443263; 435979, 2443271; 435993, 2443281; 436010, 2443297; 436032, 2443316; 436048, 2443332; 436064, 2443343; 436080, 2443358; 436089, 2443375; 436095, 2443390; 436100, 2443403; 436107, 2443421; 436113, 2443456; 436118, 2443477; 436123, 2443502; 436134, 2443520; 436146, 2443534; 436160, 2443543; 436175, 2443554; 436190, 2443560; 436213, 2443563; 436227, 2443563; 436240, 2443562; 436254, 2443557; 436265, 2443552; 436274, 2443547; 436287, 2443540; 436300, 2443537; 436315, 2443532; 436328, 2443529; 436337, 2443528; 436348, 2443531; 436357, 2443536; 436369, 2443546; 436380, 2443558; 436392, 2443572; 436403, 2443585; 436421, 2443611; 436438, 2443631; 436460, 2443655; 436478, 2443676; 436497,

2443688; 436518, 2443696; 436534, 2443700; 436558, 2443707; 436576, 2443711; 436597, 2443714; 436611, 2443716; 436630, 2443718; 436644, 2443720; 436655, 2443724; 436666, 2443731; 436678, 2443742; 436697, 2443756; 436708, 2443763; 436726, 2443769; 436745, 2443772; 436758, 2443775; 436771, 2443776; 436788, 2443776; 436799, 2443778; 436808, 2443781; 436818, 2443785; 436823, 2443786; 436829, 2443790; 436837, 2443797; 436841, 2443801; 436845, 2443807; 436852, 2443819; 436861, 2443831; 436870, 2443847; 436882, 2443863; 436890, 2443877; 436900, 2443900; 436911, 2443923; 436914, 2443936; 436914, 2443948; 436913, 2443962; 436910, 2443981; 436910, 2443981; 436979, 2444055; 437013, 2444108; 437026, 2444105; 437049, 2444100; 437067, 2444092; 437076, 2444089; 437106, 2444090; 437119, 2444096; 437128, 2444104; 437133, 2444112; 437137, 2444122; 437144, 2444130; 437156, 2444135; 437169, 2444141; 437183, 2444150; 437191, 2444154; 437202, 2444165; 437212, 2444177; 437228, 2444198; 437239, 2444213; 437245, 2444227; 437254, 2444239; 437263, 2444246; 437278, 2444240; 437294, 2444234; 437310, 2444225; return to starting point.

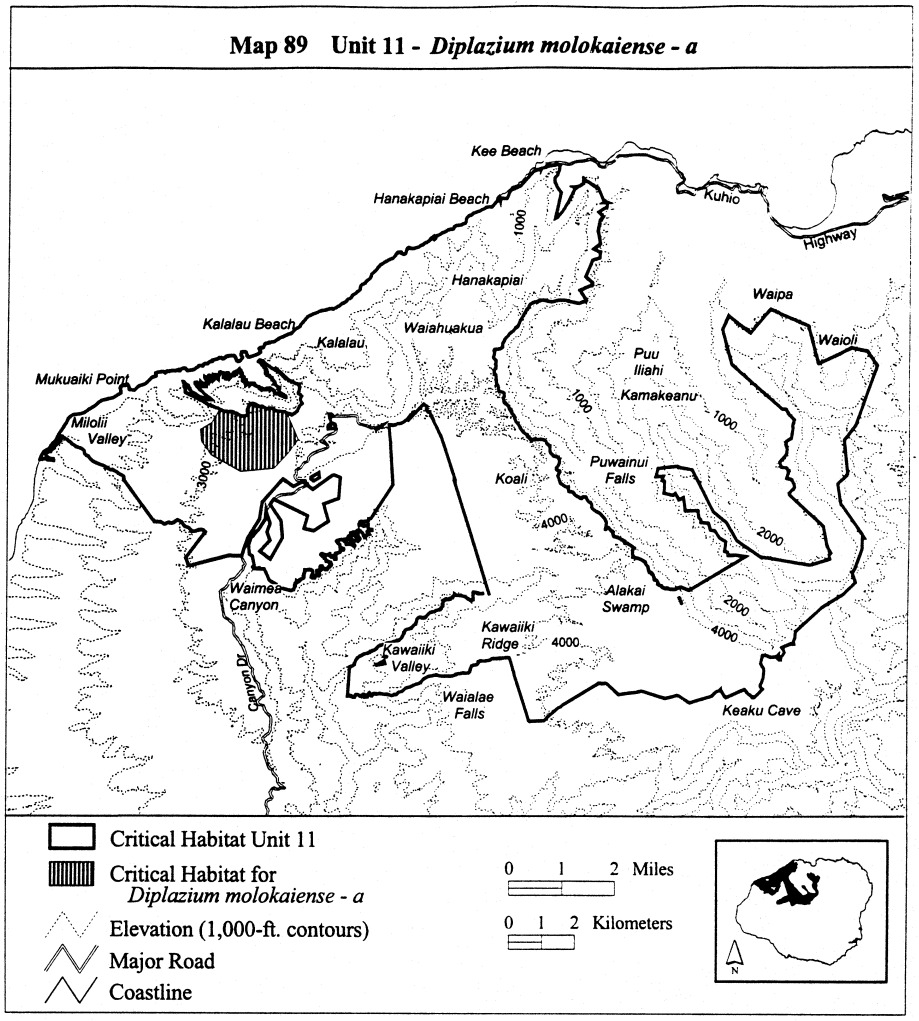
(B) NOTE: Map 88 follows:



(clxxv) Kauai 11—*Diplazium molokaiense*—a (430 ha; 1,062 ac)

(A) Unit consists of the following 48 boundary points: Start at 429805, 2448471; 429520, 2448889; 429479, 2449236; 429836, 2449450; 430021, 2449760; 430088, 2449848; 430172, 2449815; 430207, 2449804; 430261, 2449795; 430317, 2449781; 430340, 2449778; 430365, 2449787; 430392, 2449798; 430408, 2449802; 430410, 2449802; 430406, 2449796; 430471, 2449787; 430527, 2449754; 430583, 2449736; 430635, 2449693; 430696, 2449656; 430720, 2449646; 430819, 2449646; 430899, 2449674; 430918, 2449717; 430904, 2449834; 430927, 2449905; 430955, 2449985; 430993, 2450032; 431068, 2450041; 431153, 2450008; 431238, 2449970; 431285, 2449942; 431360, 2449956; 431449, 2449886; 431497, 2449867; 431605, 2449895; 431657, 2449890; 431699, 2449876; 431765, 2449810; 431864, 2449801; 431981, 2449792; 432047, 2449787; 432113, 2449740; 432456, 2448919; 432171, 2448512; 431732, 2448053; 430713, 2447962; return to starting point.

(B) NOTE: Map 89 follows:



(clxxvi) Kauai 11–*Doryopteris angelica*–b

(A) See paragraph (a)(1)(cxxxiii)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(cxxxiii)(B) of this section for the map of this unit.

(clxxvii) Kauai 11–*Dryopteris crinalis* var. *podosorus*–b

(A) See paragraph (a)(1)(cxxx)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(cxxx)(B) of this section for the map of this unit.

(clxxviii) Kauai 11–*Dubautia imbricata* ssp. *imbricata*–b

(A) See paragraph (a)(1)(cxl)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(cxl)(B) of this section for the map of this unit.

(clxxix) Kauai 11–*Dubautia kalalauensis*–b

(A) See paragraph (a)(1)(cxxx)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(cxxx)(B) of this section for the map of this unit.

(clxxx) Kauai 11–*Dubautia kenwoodii*–b

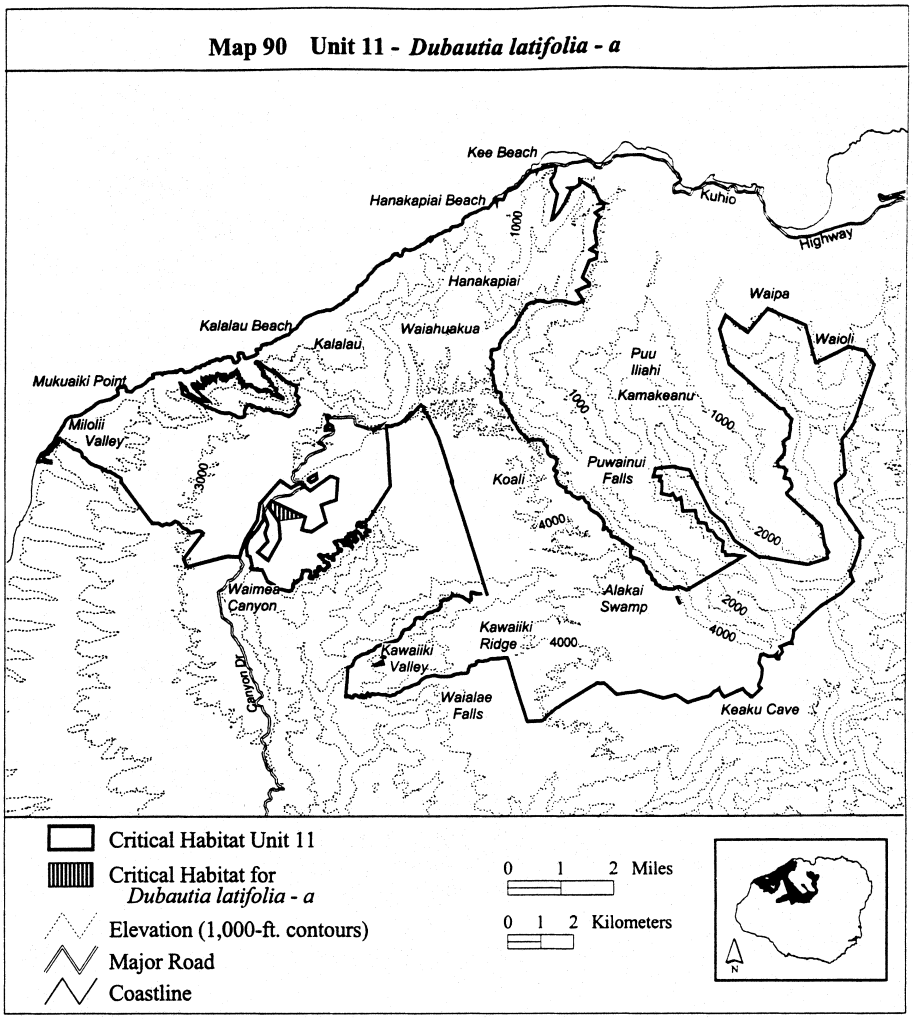
(A) See paragraph (a)(1)(cxxxiii)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(cxxxiii)(B) of this section for the map of this unit.

(clxxxi) Kauai 11—*Dubautia latifolia*—a (31 ha; 76 ac)

(A) Unit consists of the following 6 boundary points: Start at 432758, 2446605; 432729, 2446601; 431947, 2446508; 431624, 2446959; 431732, 2447115; 432759, 2446609; return to starting point.

(B) NOTE: Map 90 follows:



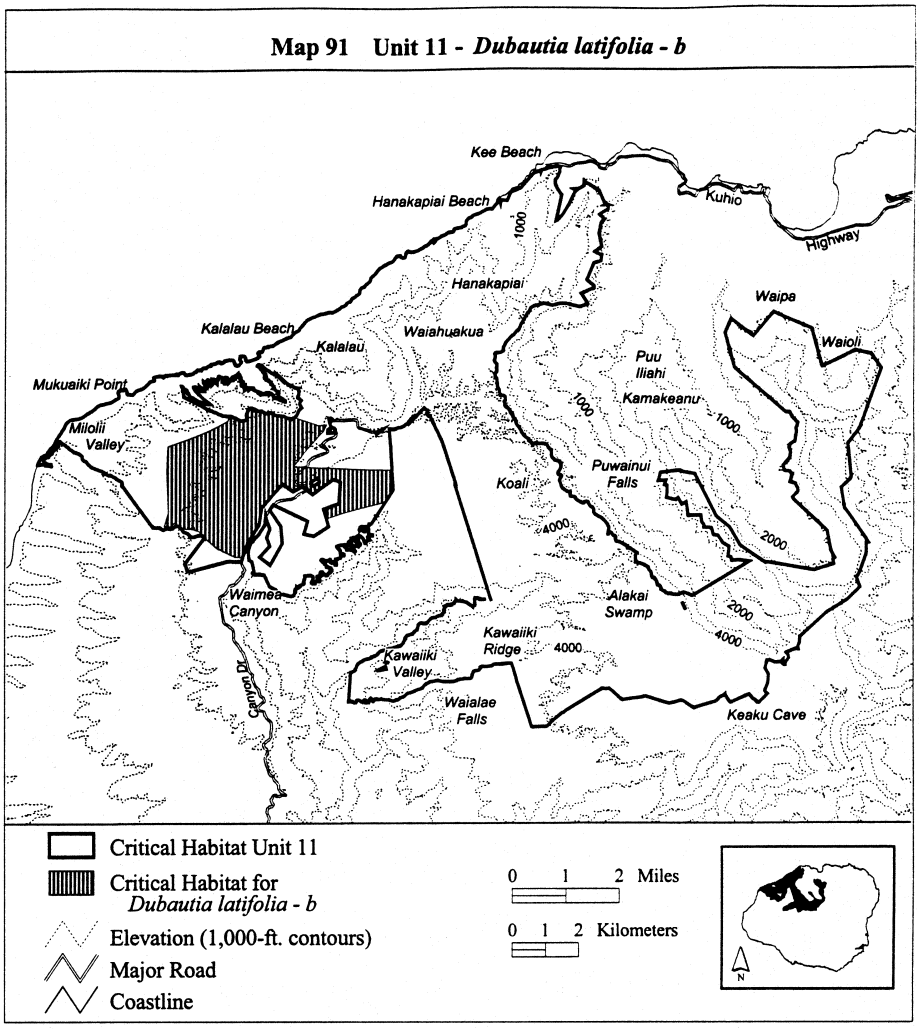
(clxxxii) Kauai 11—*Dubautia latifolia*—b (1,522 ha; 3,761 ac)

(A) Unit consists of the following 95 boundary points: Start at 431300,

2446537; 431298, 2446522; 431294, 2446516; 430955, 2445963; 430827, 2445619; 430800, 2445534; 430575, 2445540; 430038, 2445808; 429654, 2446125; 429591, 2446167; 429485, 2446305; 429263, 2446389; 429094, 2446389; 428972, 2446421; 428904, 2446474; 428793, 2446542; 428740, 2446564; 428655, 2446474; 428602, 2446447; 428476, 2446463; 428438, 2446456; 428548, 2446851; 428540, 2447350; 428511, 2448118; 428533, 2448848; 429226, 2449093; 429778, 2449324; 430158, 2449533; 430352, 2449651; 430348, 2449666; 430376, 2449750; 430384, 2449766; 430406, 2449796; 430471, 2449787; 430527, 2449754; 430583, 2449736; 430635, 2449693; 430696, 2449656; 430720, 2449646; 430819, 2449646; 430899, 2449674; 430918, 2449717; 430904, 2449834; 430927, 2449905; 430955, 2449985; 430993, 2450032; 431068, 2450041; 431153, 2450008; 431238, 2449970; 431285, 2449942; 431360, 2449956; 431449, 2449886; 431497, 2449867; 431605, 2449895; 431657, 2449890; 431699, 2449876; 431765, 2449810; 431864, 2449801; 431981, 2449792; 432047, 2449787; 432113, 2449740; 432217, 2449712; 432259, 2449679; 432344, 2449744; 432716, 2449615; 432716, 2449616; 432975, 2449532; 433094, 2449480; 433347, 2449509; 433235, 2449316; 432751, 2448757; 432364, 2448281; 432337, 2448239; 433100, 2448204; 433370, 2448192; 434350, 2448157; 435242, 2448139; 435320, 2448130; 435360, 2447538; 435147, 2447216; 435091, 2447171; 434274, 2446962; 433872, 2446863; 433405, 2446700; 433330, 2446689; 433257, 2446958; 433706, 2447138; 433746, 2447766; 433527, 2447856; 432918, 2447407; 432609, 2447647; 432320, 2447497; 432136, 2447629; 432001, 2447726; 431369, 2447027; return to starting point.

(B) Excluding 1 area bounded by the following 4 points (3 ha, 8 ac): Start at 433109, 2447775; 432932, 2447668; 432827, 2447751; 433094, 2447922; return to starting point.

(C) NOTE: Map 91 follows:

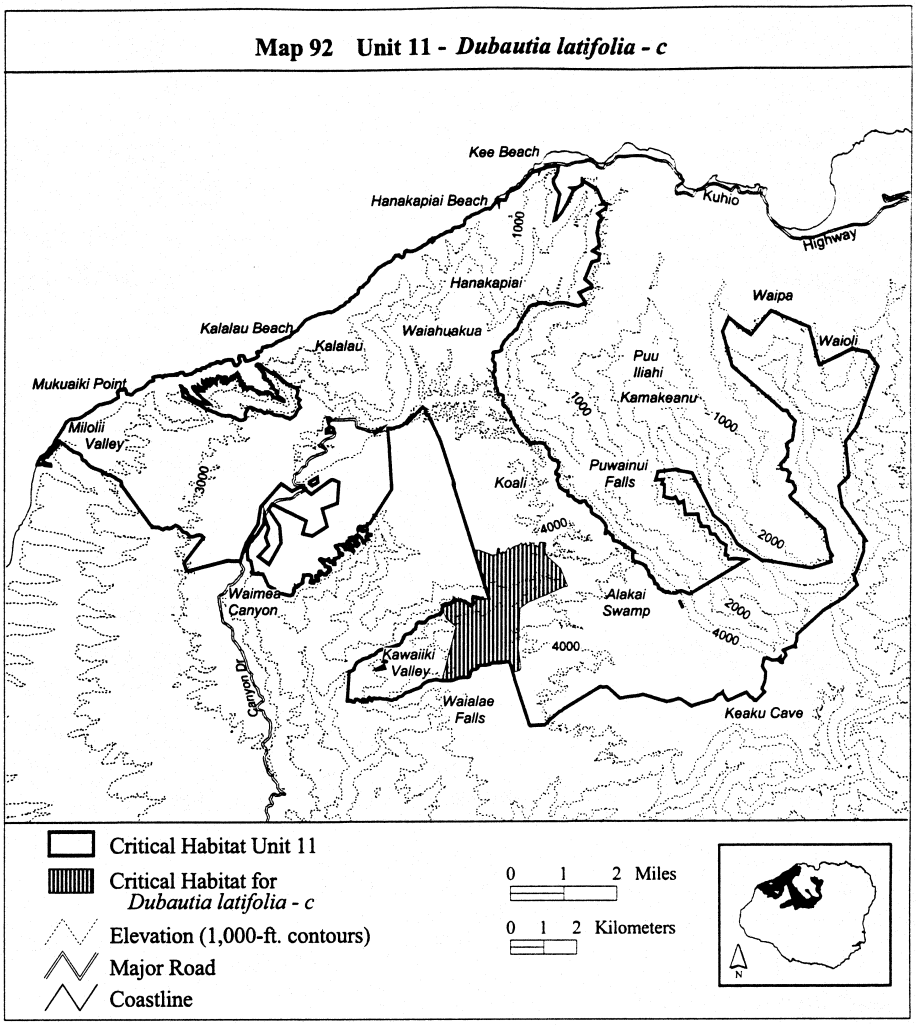


(clxxxiii) Kauai 11—*Dubautia latifolia*—c (809 ha; 1,999 ac)

(A) Unit consists of the following 263 boundary points: Start at 436896, 2441784; 437321, 2443428; 437328, 2443431; 437033, 2443650; 436902, 2443906; 436911, 2443923; 436914, 2443936; 436914, 2443948; 436913, 2443962; 436910, 2443981; 436908, 2443995; 436908, 2444013; 436911, 2444027; 436918, 2444040; 436926, 2444047; 436933, 2444055; 436942, 2444065; 436951, 2444073; 436961, 2444084; 436969, 2444094; 436975, 2444098; 436983, 2444102; 436994, 2444107; 437009, 2444108; 437026, 2444105; 437049, 2444100; 437067, 2444092; 437076, 2444089; 437106, 2444090; 437119, 2444096; 437128, 2444104; 437133, 2444112; 437137, 2444122; 437144, 2444130; 437156, 2444135; 437169, 2444141; 437183, 2444150; 437191, 2444154; 437202, 2444165; 437212, 2444177; 437228, 2444198; 437239, 2444213; 437245, 2444227; 437254, 2444239; 437263, 2444246; 437278, 2444240; 437294, 2444234; 437310, 2444225; 437332, 2444217; 437351, 2444217; 437370, 2444223; 437391, 2444223; 437412, 2444226; 437428, 2444226; 437445, 2444223; 437462,

2444219; 437482, 2444211; 437497, 2444205; 437541, 2444190; 437563, 2444183; 437578, 2444179; 437593, 2444170; 437610, 2444160; 437624, 2444146; 437636, 2444132; 437651, 2444119; 437671, 2444112; 437691, 2444102; 437703, 2444093; 437722, 2444082; 437732, 2444069; 437749, 2444061; 437758, 2444058; 437768, 2444060; 437780, 2444066; 437810, 2444080; 437821, 2444088; 437831, 2444100; 437833, 2444111; 437835, 2444126; 437833, 2444139; 437827, 2444163; 437822, 2444185; 437820, 2444206; 437818, 2444236; 437824, 2444265; 437828, 2444292; 437836, 2444314; 437843, 2444322; 437854, 2444327; 437871, 2444328; 437887, 2444323; 437909, 2444314; 437933, 2444302; 437960, 2444289; 437984, 2444274; 438007, 2444260; 438028, 2444258; 438048, 2444258; 438072, 2444260; 438087, 2444266; 438109, 2444271; 438133, 2444273; 438164, 2444270; 438196, 2444263; 438335, 2444214; 437851, 2445719; 438006, 2445710; 438168, 2445654; 438335, 2445593; 438342, 2445599; 438397, 2445569; 438522, 2445580; 438541, 2445610; 438552, 2445665; 438574, 2445746; 438592, 2445779; 438625, 2445761; 438633, 2445658; 438633, 2445614; 438647, 2445614; 438695, 2445639; 438721, 2445676; 438740, 2445676; 438758, 2445628; 438802, 2445647; 438839, 2445698; 438872, 2445765; 438905, 2445783; 438928, 2445776; 438931, 2445765; 438942, 2445724; 438961, 2445728; 438983, 2445765; 439020, 2445798; 439112, 2445842; 439215, 2445864; 439234, 2445879; 439274, 2445915; 439289, 2445949; 439300, 2445934; 439333, 2445879; 439363, 2445875; 439403, 2445904; 439422, 2445938; 439440, 2445934; 439436, 2445897; 439444, 2445864; 439492, 2445853; 439539, 2445871; 439539, 2445974; 439580, 2445934; 439680, 2445941; 439661, 2445860; 439694, 2445831; 439739, 2445860; 439772, 2445827; 439820, 2445842; 439838, 2445897; 439856, 2445963; 439904, 2445960; 440033, 2445941; 440026, 2445595; 440472, 2445178; 440708, 2444629; 440605, 2444611; 440155, 2444412; 439514, 2444151; 439264, 2443956; 439218, 2442724; 439294, 2442160; 439259, 2442078; 439037, 2442031; 438934, 2442351; 438866, 2442347; 438838, 2442340; 438821, 2442339; 438757, 2442331; 438721, 2442329; 438704, 2442326; 438694, 2442327; 438679, 2442324; 438656, 2442321; 438626, 2442315; 438609, 2442314; 438561, 2442316; 438535, 2442314; 438523, 2442310; 438517, 2442310; 438496, 2442310; 438460, 2442320; 438453, 2442321; 438436, 2442321; 438433, 2442319; 438418, 2442311; 438392, 2442294; 438376, 2442278; 438355, 2442265; 438305, 2442256; 438254, 2442248; 438238, 2442248; 438219, 2442244; 438157, 2442234; 438130, 2442234; 438114, 2442232; 438098, 2442237; 438065, 2442246; 438049, 2442246; 438030, 2442243; 438012, 2442229; 438000, 2442216; 437998, 2442205; 437996, 2442188; 437984, 2442167; 437973, 2442147; 437954, 2442136; 437939, 2442128; 437926, 2442125; 437912, 2442123; 437873, 2442121; 437839, 2442110; 437826, 2442106; 437806, 2442092; 437791, 2442074; 437777, 2442052; 437766, 2442017; 437758, 2441998; 437754, 2441991; 437751, 2441981; 437745, 2441950; 437740, 2441938; 437736, 2441928; 437717, 2441899; 437711, 2441887; 437705, 2441878; 437689, 2441877; 437674, 2441875; 437647, 2441866; 437635, 2441866; 437617, 2441866; 437602, 2441867; 437566, 2441876; 437532, 2441880; 437522, 2441879; 437495, 2441869; 437460, 2441862; 437391, 2441858; 437366, 2441852; 437346, 2441845; 437332, 2441842; 437317, 2441835; 437287, 2441816; 437274, 2441809; 437240, 2441796; 437224, 2441791; 437181, 2441781; 437150, 2441777; 437111, 2441777; 437096, 2441779; 437062, 2441776; 437008, 2441775; 436960, 2441776; 436912, 2441780; return to starting point.

(B) NOTE: Map 92 follows:



(clxxxiv) Kauai 11–*Dubautia plantaginea* ssp. *magnifolia*–c

(A) See paragraph (a)(1)(cxli)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(cxli)(B) of this section for the map of this unit.

(clxxxv) Kauai 11–*Dubautia waialealae*–b

(A) See paragraph (a)(1)(cxxx)(A) of this section for the textual description of this unit.

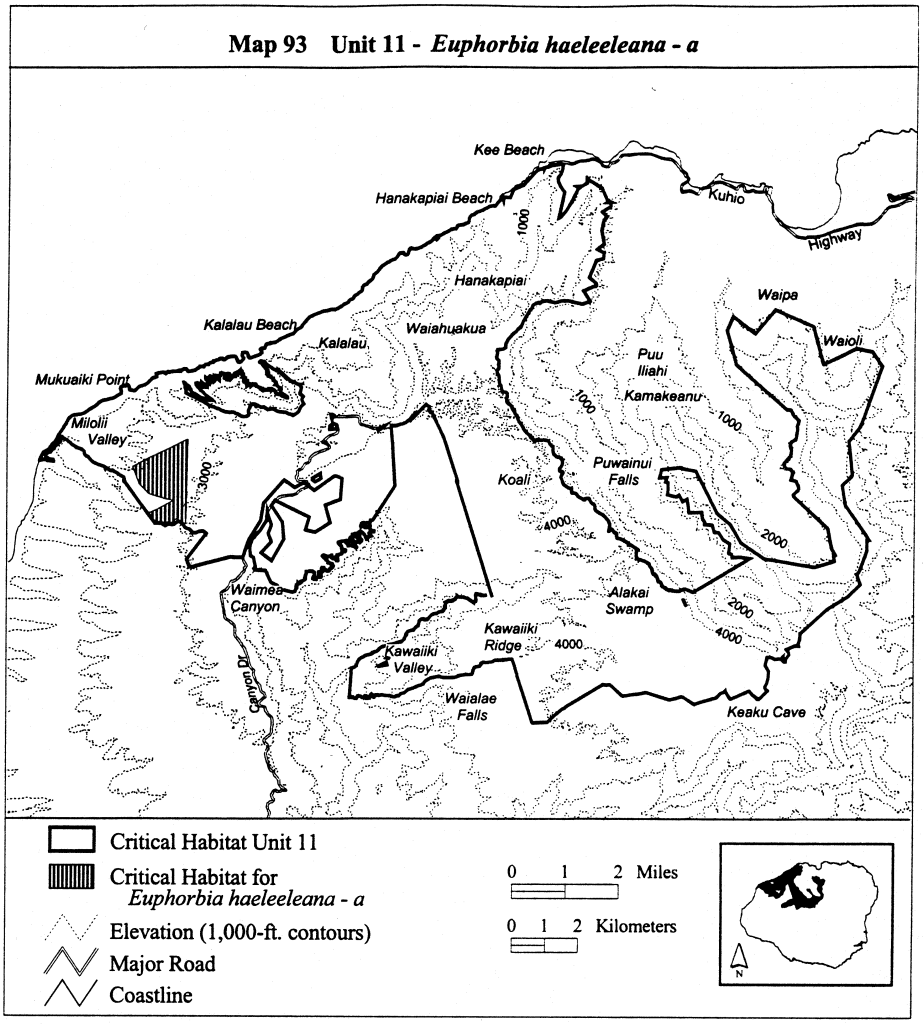
(B) See paragraph (a)(1)(cxxx)(B) of this section for the map of this unit.

(clxxxvi) Kauai 11—*Euphorbia haeleeleana*—a (263 ha; 649 ac)

(A) Unit consists of the following 23 boundary points: Start at 429092, 2448965; 429045, 2446580; 429011, 2446411; 428972, 2446421; 428904, 2446474; 428793, 2446542; 428740, 2446564; 428655, 2446474; 428602, 2446447; 428476, 2446463; 428396, 2446447; 428285, 2446458; 428116, 2446474; 428047, 2446484; 427870, 2446726; 428195, 2446854; 428654, 2447111; 428405, 2447158;

427917, 2447317; 427606, 2447620; 427403, 2448126; 427935, 2448397; 428502, 2448676; return to starting point.

(B) NOTE: Map 93 follows:

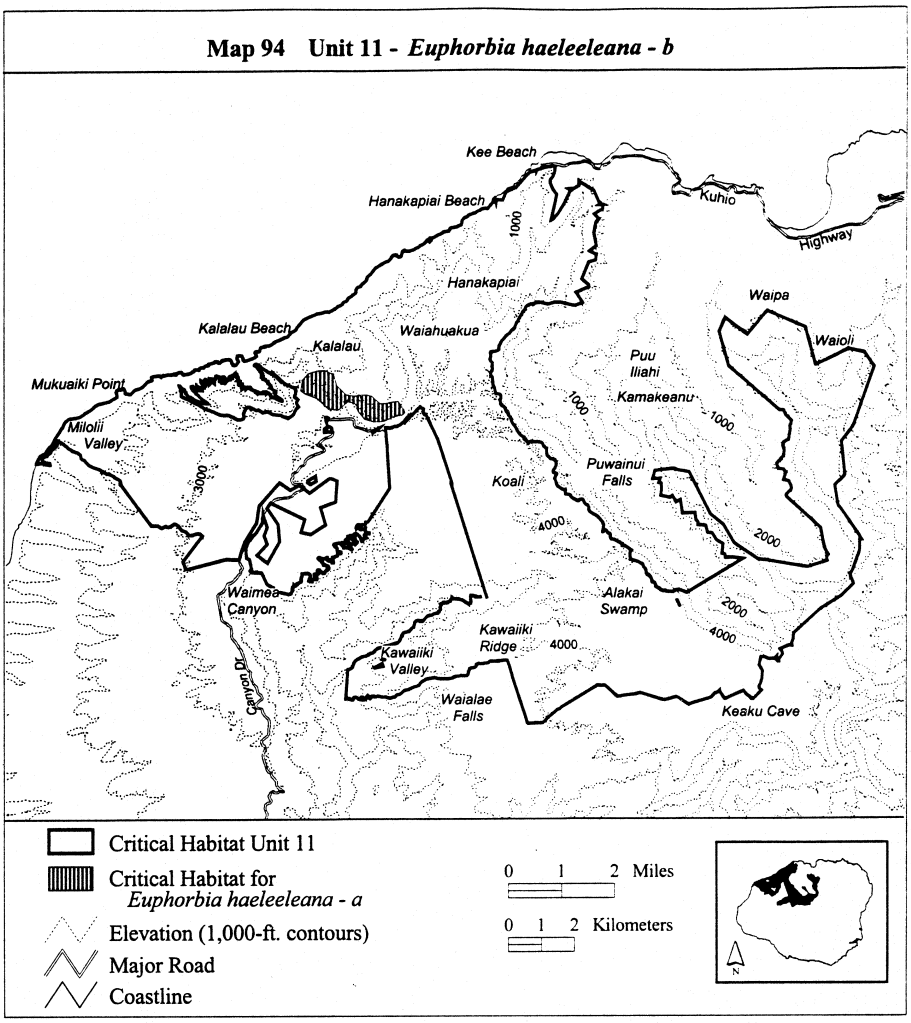


(clxxxvii) Kauai 11—*Euphorbia haeleeleana*—b (192 ha; 476 ac)

(A) Unit consists of the following 35 boundary points: Start at 432645, 2450526; 432703, 2450873; 432886, 2451057; 433147, 2451134; 433370, 2451144; 433640, 2451018; 433737, 2450690; 434027, 2450400; 434288, 2450342; 434607, 2450400; 434801, 2450351; 434926, 2450235; 435062, 2450119; 435226, 2450119; 435458, 2450167; 435613, 2450187; 435777, 2449935; 435816, 2449848; 435748, 2449771; 435603, 2449733; 435468, 2449704; 435187, 2449569; 434888, 2449559; 434598, 2449646; 434395, 2449888; 434346, 2450061; 434279, 2450139; 434095, 2450177; 433911, 2450033; 433786, 2449917; 433505,

2449975; 433379, 2450081; 433234, 2450216; 433138, 2450294; 432770, 2450448; return to starting point.

(B) NOTE: Map 94 follows:



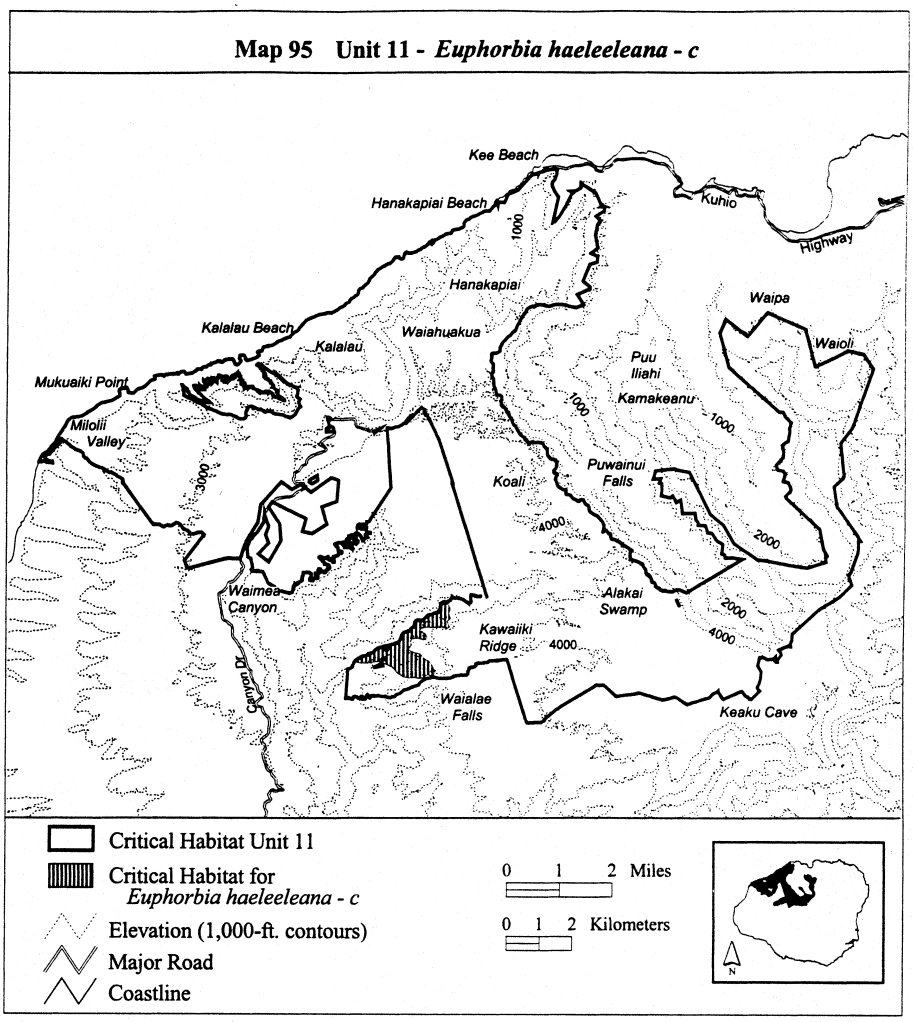
(clxxxviii) Kauai 11—*Euphorbia haeleeleana*—c (204 ha; 505 ac)

(A) Unit consists of the following 270 boundary points: Start at 435336, 2442801; 435344, 2442802; 435367, 2442807; 435391, 2442814; 435415, 2442819; 435435, 2442826; 435454, 2442831; 435476, 2442838; 435496, 2442844; 435516, 2442850; 435530, 2442853; 435534, 2442855; 435543, 2442858; 435556, 2442862; 435571, 2442867; 435585, 2442876; 435598, 2442885; 435608, 2442891; 435619, 2442899; 435627, 2442904; 435642, 2442920; 435658, 2442932; 435668, 2442948; 435673, 2442959; 435681, 2442977; 435688, 2442995; 435693, 2443006; 435698, 2443024; 435704, 2443036; 435708, 2443047; 435715,

2443064; 435722, 2443078; 435725, 2443086; 435729, 2443093; 435735, 2443103; 435738, 2443112; 435743, 2443127; 435749, 2443138; 435753, 2443149; 435757, 2443155; 435766, 2443169; 435778, 2443179; 435790, 2443186; 435804, 2443188; 435821, 2443194; 435842, 2443199; 435861, 2443202; 435874, 2443204; 435889, 2443208; 435904, 2443211; 435933, 2443223; 435942, 2443232; 435949, 2443246; 435958, 2443255; 435969, 2443263; 435979, 2443271; 435993, 2443281; 436010, 2443297; 436032, 2443316; 436048, 2443332; 436064, 2443343; 436080, 2443358; 436089, 2443375; 436095, 2443390; 436100, 2443403; 436107, 2443421; 436113, 2443456; 436118, 2443477; 436123, 2443502; 436134, 2443520; 436146, 2443534; 436160, 2443543; 436175, 2443554; 436190, 2443560; 436213, 2443563; 436227, 2443563; 436240, 2443562; 436254, 2443557; 436265, 2443552; 436274, 2443547; 436287, 2443540; 436300, 2443537; 436315, 2443532; 436328, 2443529; 436337, 2443528; 436348, 2443531; 436357, 2443536; 436369, 2443546; 436380, 2443558; 436392, 2443572; 436403, 2443585; 436421, 2443611; 436438, 2443631; 436460, 2443655; 436478, 2443676; 436497, 2443688; 436518, 2443696; 436534, 2443700; 436558, 2443707; 436576, 2443711; 436597, 2443714; 436611, 2443716; 436630, 2443718; 436644, 2443720; 436655, 2443724; 436666, 2443731; 436678, 2443742; 436697, 2443756; 436708, 2443763; 436726, 2443769; 436745, 2443772; 436758, 2443775; 436771, 2443776; 436788, 2443776; 436799, 2443778; 436808, 2443781; 436818, 2443785; 436823, 2443786; 436829, 2443790; 436837, 2443797; 436841, 2443801; 436845, 2443807; 436852, 2443819; 436861, 2443831; 436870, 2443847; 436882, 2443863; 436890, 2443877; 436900, 2443900; 436911, 2443923; 436914, 2443936; 436914, 2443948; 436913, 2443962; 436910, 2443981; 436908, 2443995; 436908, 2444013; 436911, 2444027; 436918, 2444040; 436926, 2444047; 436933, 2444055; 436942, 2444065; 436951, 2444073; 436961, 2444084; 436969, 2444094; 436975, 2444098; 436983, 2444102; 436994, 2444107; 437009, 2444108; 437026, 2444105; 437049, 2444100; 437064, 2444094; 437157, 2443993; 437206, 2443914; 437183, 2443812; 437147, 2443756; 437174, 2443690; 437210, 2443612; 437151, 2443552; 437114, 2443520; 437128, 2443441; 437177, 2443342; 437124, 2443309; 437022, 2443322; 436940, 2443353; 436940, 2443345; 436805, 2443342; 436677, 2443316; 436579, 2443332; 436440, 2443336; 436368, 2443326; 436312, 2443306; 436273, 2443227; 436447, 2443119; 436496, 2443046; 436463, 2442974; 436401, 2442954; 436289, 2442981; 436187, 2443010; 436056, 2442984; 436006, 2442968; 435980, 2442889; 436016, 2442826; 436000, 2442774; 435924, 2442695; 435964, 2442629; 436105, 2442566; 436286, 2442527; 436339, 2442465; 436408, 2442386; 436585, 2442277; 436671, 2442169; 436726, 2442037; 436746, 2441942; 436703, 2441893; 436592, 2441879; 436526, 2441902; 436467, 2441866; 436368, 2441797; 436250, 2441781; 436079, 2441817; 435970, 2441801; 435786, 2441830; 435592, 2441942; 435438, 2442126; 435398, 2442152; 435296, 2442192; 435145, 2442261; 435109, 2442300; 434964, 2442304; 434672, 2442248; 434484, 2442248; 434320, 2442284; 434307, 2442297; 434298, 2442319; 434308, 2442329; 434330, 2442350; 434344, 2442361; 434355, 2442368; 434370, 2442378; 434395, 2442387; 434416, 2442397; 434439, 2442410; 434458, 2442423; 434486, 2442437; 434504, 2442450; 434522, 2442454; 434537, 2442457; 434563, 2442460; 434590, 2442462; 434610, 2442464; 434628, 2442472; 434643, 2442483; 434664, 2442490; 434680, 2442493; 434700, 2442502; 434713, 2442515; 434725, 2442524; 434735, 2442532; 434755, 2442542; 434775, 2442551; 434800, 2442556; 434822, 2442562; 434842, 2442574; 434862, 2442596; 434883, 2442613; 434896, 2442626; 434916, 2442647; 434934, 2442668; 434949, 2442681; 434972, 2442699; 434986, 2442705; 434997, 2442708; 435006, 2442713; 435012, 2442717; 435026, 2442719; 435039, 2442722; 435061, 2442727; 435081, 2442733; 435100, 2442739; 435119, 2442747; 435135, 2442754; 435150, 2442764; 435164, 2442771; 435184, 2442774; 435201, 2442777; 435219, 2442778; 435237, 2442782; 435251, 2442783; 435228, 2442762; 435237, 2442643; 435284, 2442631; return to starting point.

(B) Excluding 1 area bounded by the following 4 points (0 ha, 1 ac): Start at 435151, 2442425; 435215, 2442393; 435195, 2442353; 435128, 2442379; return to starting point.

(C) NOTE: Map 95 follows:

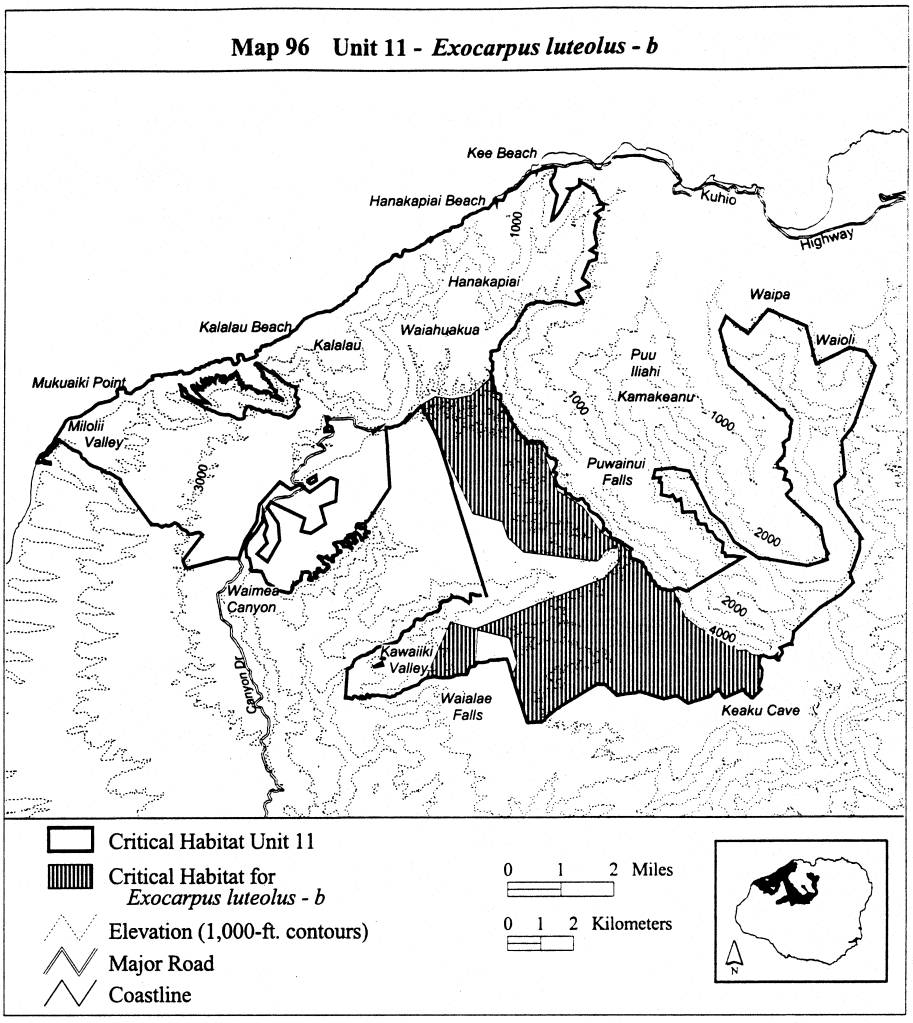


(clxxxix) Kauai 11—*Exocarpos luteolus*—b (3,799 ha; 9,387 ac)

(A) Unit consists of the following 284 boundary points: Start at 443067, 2445215; 443066, 2445209; 443066, 2445190; 443083, 2445171; 443103, 2445152; 443122, 2445132; 443135, 2445115; 443140, 2445105; 443144, 2445096; 443150, 2445078; 443152, 2445059; 443153, 2445040; 443153, 2445020; 443156, 2445003; 443158, 2444995; 443163, 2444984; 443175, 2444965; 443177, 2444962; 443193, 2444946; 443196, 2444944; 443215, 2444938; 443234, 2444932; 443240, 2444927; 443252, 2444914; 443260, 2444907; 443271, 2444898; 443281, 2444890; 443290, 2444876; 443294, 2444870; 443301, 2444851; 443307, 2444833; 443309, 2444829; 443313, 2444815; 443320, 2444796; 443327, 2444778; 443333, 2444758; 443341, 2444740; 443346, 2444728; 443352, 2444721; 443366, 2444706; 443373, 2444702; 443385, 2444699; 443403, 2444695; 443423, 2444686; 443435, 2444664; 443440, 2444655; 443443, 2444647; 443444, 2444627; 443447, 2444608; 443452, 2444591; 443459, 2444579; 443464, 2444570; 443478, 2444555; 443483, 2444551; 443497, 2444548; 443516, 2444546; 443534, 2444543; 443553, 2444537; 443557, 2444532; 443571, 2444521; 443579,

2444514; 443598, 2444493; 443610, 2444483; 443617, 2444477; 443628, 2444469; 443647, 2444460; 443666, 2444456; 443677, 2444459; 443685, 2444463; 443703, 2444469; 443722, 2444464; 443732, 2444458; 443740, 2444454; 443760, 2444446; 443769, 2444440; 443987, 2444415; 444047, 2444337; 444117, 2444107; 444210, 2443933; 444299, 2443729; 444347, 2443603; 444425, 2443555; 444600, 2443428; 444759, 2443295; 445253, 2443054; 445513, 2442838; 445854, 2442734; 445951, 2442593; 446214, 2442612; 446381, 2442489; 446652, 2442437; 446591, 2442195; 446694, 2442007; 446686, 2441764; 446640, 2441627; 446587, 2441543; 446587, 2441501; 446641, 2441436; 446651, 2441424; 446673, 2441408; 446400, 2441154; 446228, 2441279; 446214, 2441291; 446122, 2441415; 445886, 2441308; 445551, 2441162; 445510, 2441194; 445395, 2441389; 445392, 2441392; 445380, 2441414; 445344, 2441376; 444480, 2440997; 444455, 2440990; 444124, 2441223; 444113, 2441221; 444109, 2441224; 444083, 2441215; 444062, 2441230; 443889, 2441172; 443707, 2441132; 443023, 2441344; 443016, 2441342; 442976, 2441356; 442843, 2441314; 442723, 2441295; 442384, 2441249; 441968, 2441515; 441900, 2441576; 441774, 2441575; 441672, 2441599; 441656, 2441573; 441650, 2441573; 441637, 2441552; 440469, 2440833; 440464, 2440832; 440457, 2440826; 440236, 2440690; 440188, 2440625; 440119, 2440532; 440075, 2440494; 440035, 2440463; 439551, 2440431; 439093, 2441857; 439236, 2442224; 439011, 2442986; 438032, 2443222; 437997, 2442203; 437913, 2442147; 437887, 2442121; 437873, 2442121; 437839, 2442110; 437826, 2442106; 437806, 2442092; 437791, 2442074; 437777, 2442052; 437766, 2442017; 437758, 2441998; 437754, 2441991; 437751, 2441981; 437747, 2441961; 437697, 2441878; 437689, 2441877; 437674, 2441875; 437647, 2441866; 437635, 2441866; 437617, 2441866; 437602, 2441867; 437566, 2441876; 437532, 2441880; 437522, 2441879; 437495, 2441869; 437460, 2441862; 437391, 2441858; 437366, 2441852; 437346, 2441845; 437332, 2441842; 437317, 2441835; 437287, 2441816; 437274, 2441809; 437240, 2441796; 437224, 2441791; 437181, 2441781; 437150, 2441777; 437111, 2441777; 437096, 2441779; 437062, 2441776; 437008, 2441775; 436960, 2441776; 436912, 2441780; 436895, 2441784; 436825, 2441795; 436799, 2441801; 436777, 2441809; 436730, 2441820; 436695, 2441811; 436666, 2441808; 436638, 2441803; 436618, 2441796; 436593, 2441792; 436583, 2441789; 436541, 2441785; 436492, 2441773; 436474, 2441767; 437185, 2443389; 437209, 2443474; 437983, 2443266; 440213, 2444149; 441921, 2444804; 442324, 2445260; 442300, 2445723; 441960, 2445633; 441686, 2445291; 439436, 2445571; 438948, 2446021; 438786, 2446508; 437886, 2446746; 436739, 2449180; 436361, 2450013; 436335, 2450071; 436340, 2450096; 436658, 2450273; 436694, 2450293; 436737, 2450317; 437249, 2450242; 437337, 2450259; 437337, 2450259; 437824, 2450354; 437835, 2450364; 437999, 2450507; 438000, 2450508; 438124, 2450616; 438399, 2450871; 438418, 2450889; 438479, 2450630; 438530, 2450411; 438960, 2449644; 438961, 2449642; 438964, 2449637; 439170, 2449270; 439197, 2449222; 439463, 2448950; 439523, 2448880; 439531, 2448880; 439559, 2448851; 439829, 2448862; 439943, 2448855; 439948, 2448855; 439955, 2448835; 440448, 2447444; 441222, 2446944; 441810, 2446157; 442167, 2445934; 442409, 2445783; 442668, 2445560; 442673, 2445515; 442668, 2445494; 442667, 2445490; 442671, 2445471; 442675, 2445453; 442682, 2445433; 442689, 2445419; 442694, 2445414; 442709, 2445399; 442727, 2445386; 442743, 2445378; 442747, 2445377; 442765, 2445370; 442785, 2445364; 442798, 2445359; 442804, 2445357; 442821, 2445353; 442842, 2445347; 442858, 2445342; 442862, 2445341; 442877, 2445336; 442898, 2445330; 442915, 2445323; 442934, 2445314; 442952, 2445303; 442956, 2445301; 442972, 2445292; 442981, 2445284; 442990, 2445276; 443006, 2445268; return to starting point.

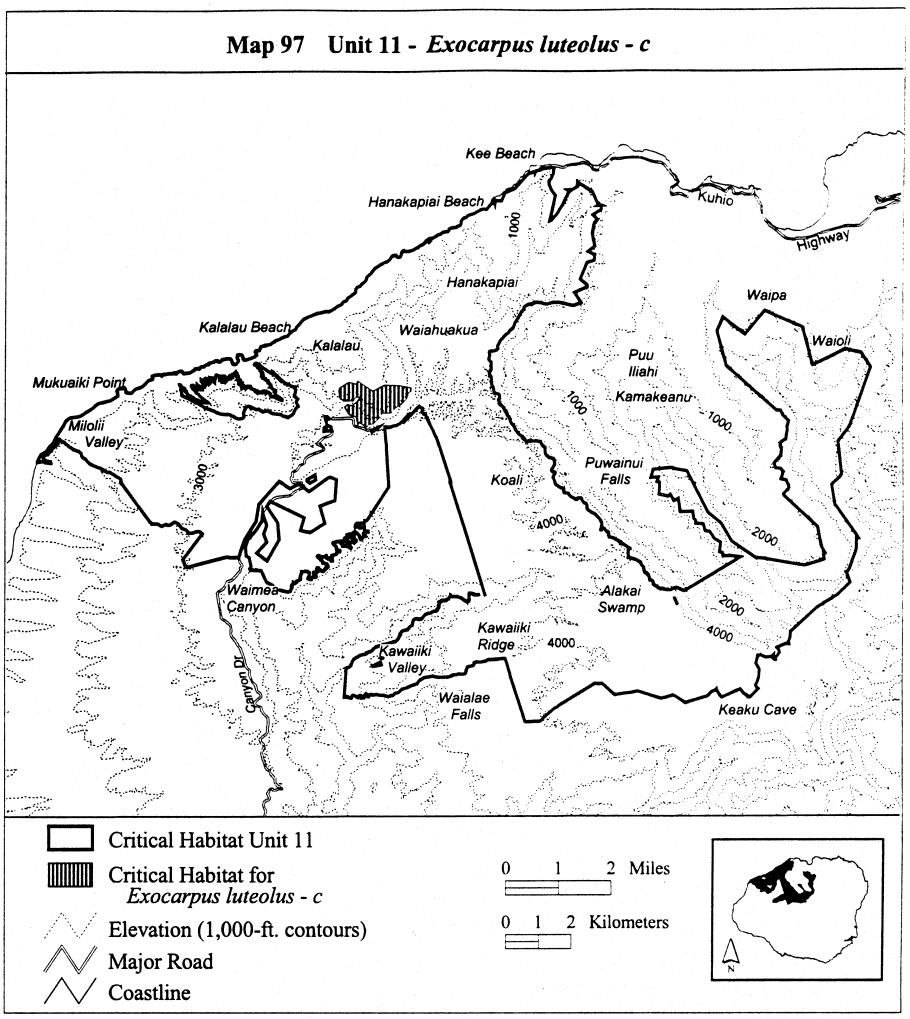
(B) NOTE: Map 96 follows:



(cxc) Kauai 11—*Exocarpos luteolus*—c (177 ha; 438 ac)

(A) Unit consists of the following 38 boundary points: Start at 435446, 2449836; 435434, 2449822; 435414, 2449822; 435150, 2449822; 435055, 2449650; 434888, 2449475; 434758, 2449469; 434652, 2449371; 434451, 2449532; 434408, 2449452; 434362, 2449581; 434342, 2449704; 434239, 2449705; 434124, 2449782; 434000, 2449989; 434081, 2450086; 434224, 2450046; 434405, 2450190; 434405, 2450226; 434486, 2450310; 434354, 2450310; 434265, 2450198; 434026, 2450187; 433839, 2450267; 433808, 2450497; 433845, 2450589; 434133, 2450756; 434359, 2450700; 434398, 2450813; 434864, 2450480; 435213, 2450674; 435667, 2450661; 436040, 2450572; 436040, 2450490; 435945, 2450427; 435907, 2450263; 435749, 2450093; 435554, 2449961; return to starting point.

(B) NOTE: Map 97 follows:

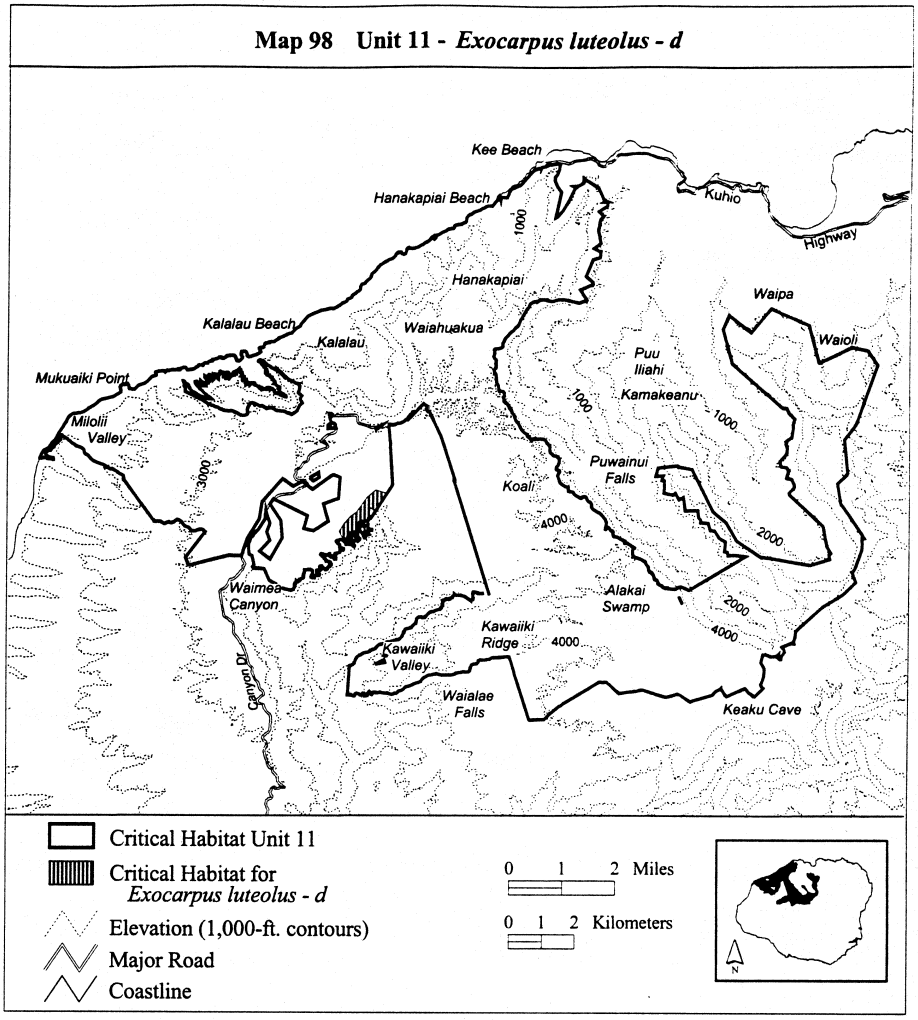


(cxci) Kauai 11—*Exocarpos luteolus*—d (83 ha; 206 ac)

(A) Unit consists of the following 185 boundary points: Start at 434845, 2446760; 434768, 2446801; 434674, 2446862; 434650, 2446703; 434674, 2446584; 434706, 2446552; 434700, 2446542; 434681, 2446520; 434675, 2446517; 434664, 2446523; 434636, 2446529; 434623, 2446526; 434620, 2446512; 434628, 2446479; 434625, 2446467; 434618, 2446459; 434582, 2446443; 434558, 2446439; 434533, 2446441; 434514, 2446449; 434500, 2446448; 434471, 2446422; 434457, 2446416; 434447, 2446420; 434434, 2446428; 434423, 2446441; 434416, 2446441; 434403, 2446435; 434400, 2446429; 434386, 2446417; 434371, 2446414; 434363, 2446417; 434355, 2446417; 434351, 2446414; 434333, 2446375; 434335, 2446361; 434340, 2446352; 434353, 2446346; 434368, 2446352; 434403, 2446359; 434411, 2446354; 434417, 2446344; 434421, 2446327; 434434, 2446306; 434469, 2446291; 434479, 2446288; 434499, 2446297; 434514, 2446317; 434528, 2446325; 434559, 2446322; 434568, 2446320; 434585, 2446324; 434595, 2446329; 434614, 2446349; 434620, 2446349; 434621,

2446342; 434611, 2446321; 434609, 2446262; 434614, 2446240; 434625, 2446221; 434647, 2446210; 434667, 2446205; 434694, 2446206; 434717, 2446208; 434723, 2446192; 434729, 2446169; 434717, 2446164; 434599, 2446152; 434582, 2446145; 434576, 2446128; 434582, 2446114; 434603, 2446087; 434642, 2446062; 434647, 2446055; 434645, 2446046; 434604, 2446029; 434573, 2446022; 434556, 2446012; 434542, 2445989; 434482, 2445992; 434482, 2445989; 434477, 2446004; 434469, 2446036; 434437, 2446093; 434413, 2446116; 434381, 2446163; 434367, 2446175; 434336, 2446186; 434315, 2446192; 434302, 2446189; 434283, 2446179; 434270, 2446164; 434263, 2446144; 434271, 2446125; 434305, 2446079; 434308, 2446060; 434307, 2446049; 434301, 2446035; 434289, 2446026; 434273, 2446018; 434244, 2446023; 434235, 2446033; 434230, 2446049; 434232, 2446066; 434225, 2446086; 434215, 2446102; 434204, 2446112; 434185, 2446122; 434162, 2446123; 434150, 2446121; 434115, 2446106; 434097, 2446102; 434080, 2446091; 434072, 2446078; 434077, 2446064; 434091, 2446053; 434110, 2446044; 434160, 2446032; 434179, 2446026; 434195, 2446010; 434209, 2445991; 434227, 2445977; 434247, 2445969; 434271, 2445965; 434324, 2445970; 434336, 2445961; 434340, 2445952; 434341, 2445940; 434355, 2445930; 434361, 2445922; 434358, 2445902; 434337, 2445880; 434326, 2445859; 434311, 2445845; 434298, 2445842; 434283, 2445847; 434262, 2445859; 434230, 2445868; 434184, 2445859; 434167, 2445860; 434147, 2445871; 434110, 2445908; 434089, 2445947; 434074, 2445985; 434062, 2445995; 434039, 2446003; 434031, 2446004; 434014, 2445998; 434001, 2445989; 433994, 2445980; 434002, 2445963; 434016, 2445942; 434022, 2445924; 434035, 2445898; 434077, 2445846; 434186, 2445754; 434202, 2445733; 434205, 2445721; 434204, 2445697; 434190, 2445688; 434158, 2445694; 434142, 2445707; 434130, 2445726; 434108, 2445744; 434086, 2445750; 434053, 2445750; 434008, 2445764; 433994, 2445763; 433947, 2445788; 433945, 2445790; 433946, 2445837; 433944, 2445864; 433927, 2445891; 433905, 2445911; 433891, 2445905; 433882, 2445891; 433879, 2445879; 433845, 2445926; 433743, 2446143; 433882, 2446368; 434094, 2446596; 434249, 2446723; 434580, 2447160; 434858, 2447393; 435197, 2447292; return to starting point.

(B) NOTE: Map 98 follows:



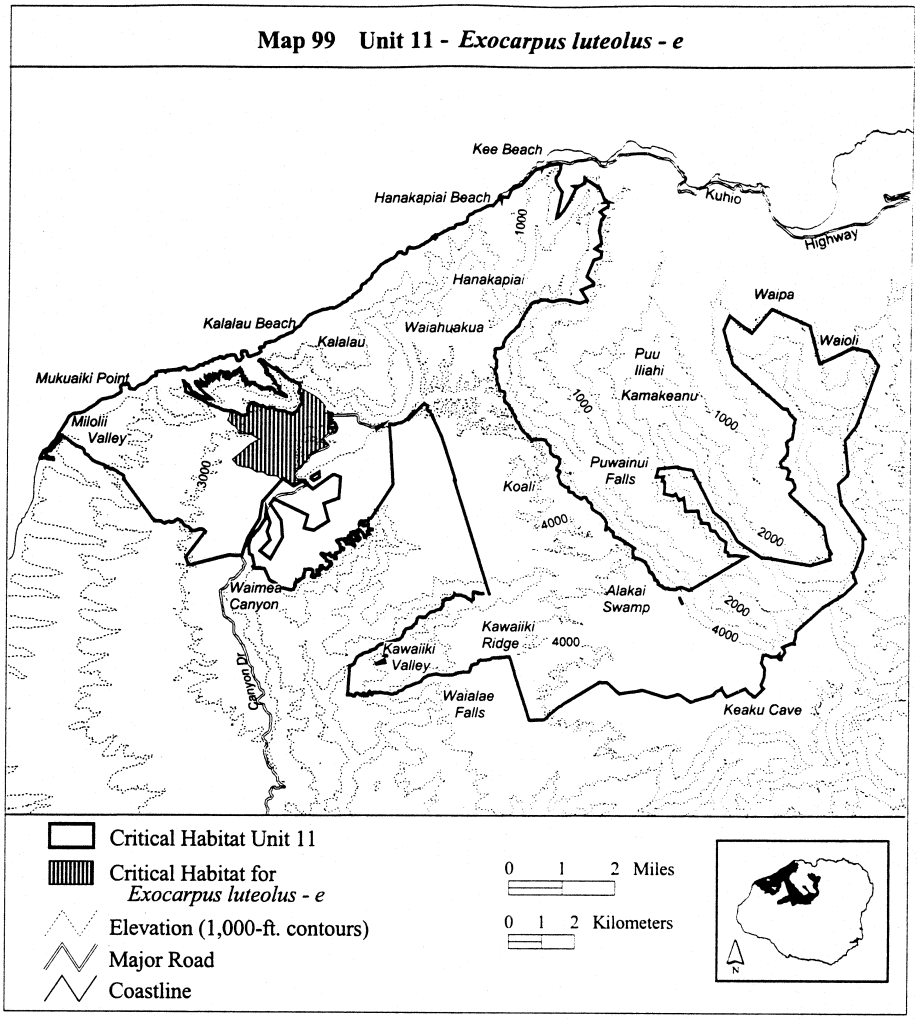
(cxcii) Kauai 11—*Exocarpos luteolus*—e (523 ha; 1,290 ac)

(A) Unit consists of the following 153 boundary points: Start at 431279, 2448913; 431273, 2448922; 431027, 2449068; 431020, 2449089; 431006, 2449097; 430984, 2449094; 430970, 2449080; 430815, 2449080; 430799, 2449081; 430797, 2449080; 430686, 2449080; 430677, 2449084; 430643, 2449106; 430629, 2449119; 430619, 2449138; 430616, 2449156; 430623, 2449173; 430623, 2449194; 430616, 2449214; 430604, 2449229; 430559, 2449254; 430545, 2449277; 430533, 2449310; 430527, 2449321; 430485, 2449333; 430474, 2449342; 430463, 2449355; 430451, 2449363; 430430, 2449364; 430437, 2449371; 430418, 2449395; 430369, 2449433; 430355, 2449451; 430349, 2449466; 430335, 2449474; 430318, 2449477; 430307, 2449482; 430312, 2449517; 430313, 2449532; 430320, 2449553; 430331, 2449565; 430346, 2449596; 430354, 2449622; 430355, 2449641; 430348, 2449666; 430376, 2449750; 430384, 2449766; 430406, 2449796; 430471, 2449787; 430527, 2449754; 430583, 2449736; 430635, 2449693; 430696, 2449656; 430720, 2449646; 430819, 2449646; 430899,

2449674; 430918, 2449717; 430904, 2449834; 430927, 2449905; 430955, 2449985; 430993, 2450032; 431068, 2450041; 431153, 2450008; 431238, 2449970; 431285, 2449942; 431360, 2449956; 431449, 2449886; 431497, 2449867; 431605, 2449895; 431657, 2449890; 431699, 2449876; 431765, 2449810; 431864, 2449801; 431981, 2449792; 432047, 2449787; 432113, 2449740; 432217, 2449712; 432259, 2449679; 432344, 2449744; 432419, 2449806; 432471, 2449904; 432504, 2449961; 432579, 2450036; 432551, 2450083; 432523, 2450130; 432523, 2450182; 432565, 2450262; 432523, 2450304; 432475, 2450313; 432452, 2450337; 432461, 2450375; 432480, 2450426; 432490, 2450478; 432501, 2450529; 432504, 2450523; 432515, 2450503; 432523, 2450483; 432671, 2450388; 432937, 2450257; 433110, 2450122; 433260, 2449930; 433339, 2449809; 433405, 2449720; 433407, 2449708; 433399, 2449709; 433419, 2449599; 433426, 2449556; 433437, 2449592; 433549, 2449510; 433671, 2449267; 433615, 2449141; 433358, 2449090; 433236, 2448950; 433199, 2448903; 433176, 2448898; 433386, 2448749; 433344, 2448697; 433119, 2448609; 432890, 2448469; 432746, 2448300; 432657, 2448221; 432521, 2448030; 432395, 2447960; 432395, 2447894; 432372, 2447829; 432381, 2447775; 432386, 2447745; 432456, 2447707; 432610, 2447684; 432685, 2447670; 432661, 2447623; 432720, 2447605; 432719, 2447599; 432672, 2447598; 432609, 2447647; 432507, 2447594; 432195, 2447587; 432136, 2447629; 432001, 2447726; 431937, 2447655; 431895, 2447735; 431816, 2447810; 431535, 2447815; 431395, 2447918; 431213, 2447932; 430998, 2448049; 430820, 2448072; 430610, 2448119; 430460, 2448306; 430741, 2448535; 430998, 2448759; 431263, 2448926; 431275, 2448914; return to starting point.

(B) Excluding 1 area bounded by the following 10 points (3 ha, 8 ac): Start at 433368, 2449292; 433367, 2449352; 433448, 2449426; 433546, 2449412; 433567, 2449398; 433589, 2449323; 433612, 2449262; 433588, 2449244; 433567, 2449260; 433369, 2449255; return to starting point.

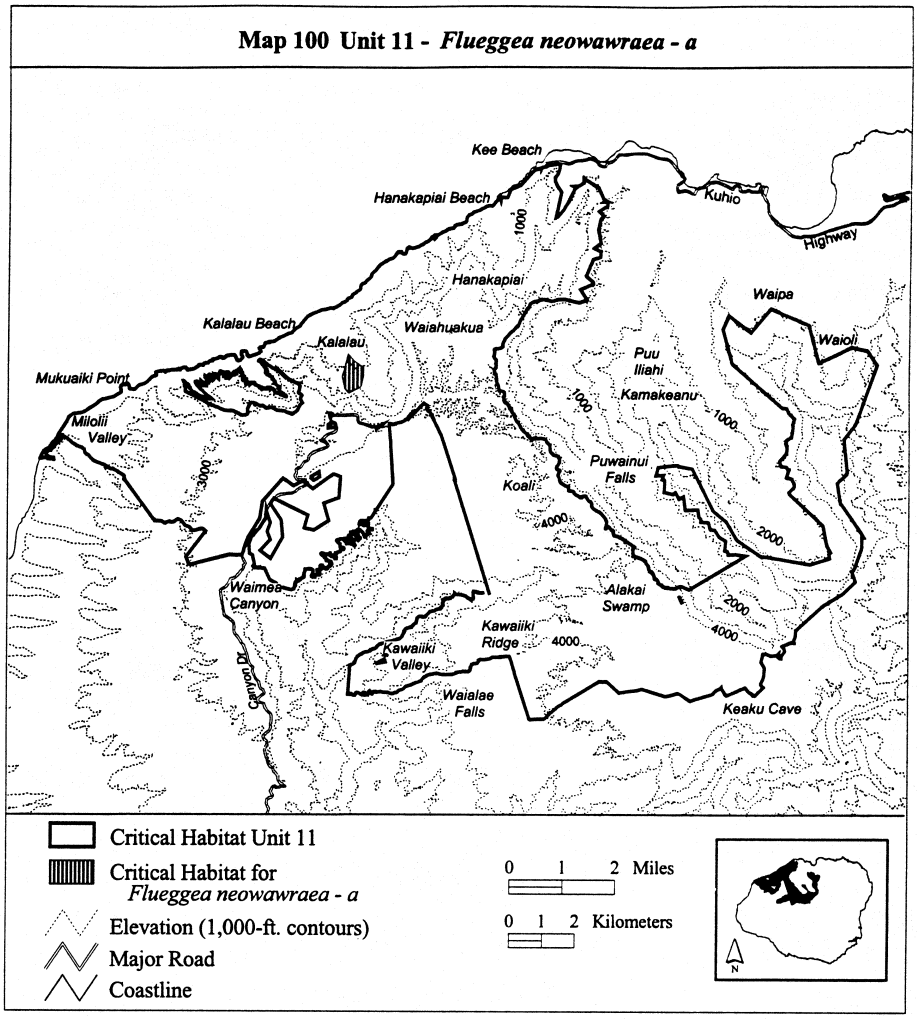
(C) NOTE: Map 99 follows:



(cxciii) Kauai 11—*Flueggea neowawraea*—a (51 ha; 126 ac)

(A) Unit consists of the following 12 boundary points: Start at 434000, 2450312; 433949, 2450368; 433864, 2450473; 433785, 2450832; 433850, 2451030; 433910, 2451245; 433941, 2451386; 433969, 2451525; 434153, 2451307; 434439, 2451106; 434442, 2450846; 434368, 2450518; return to starting point.

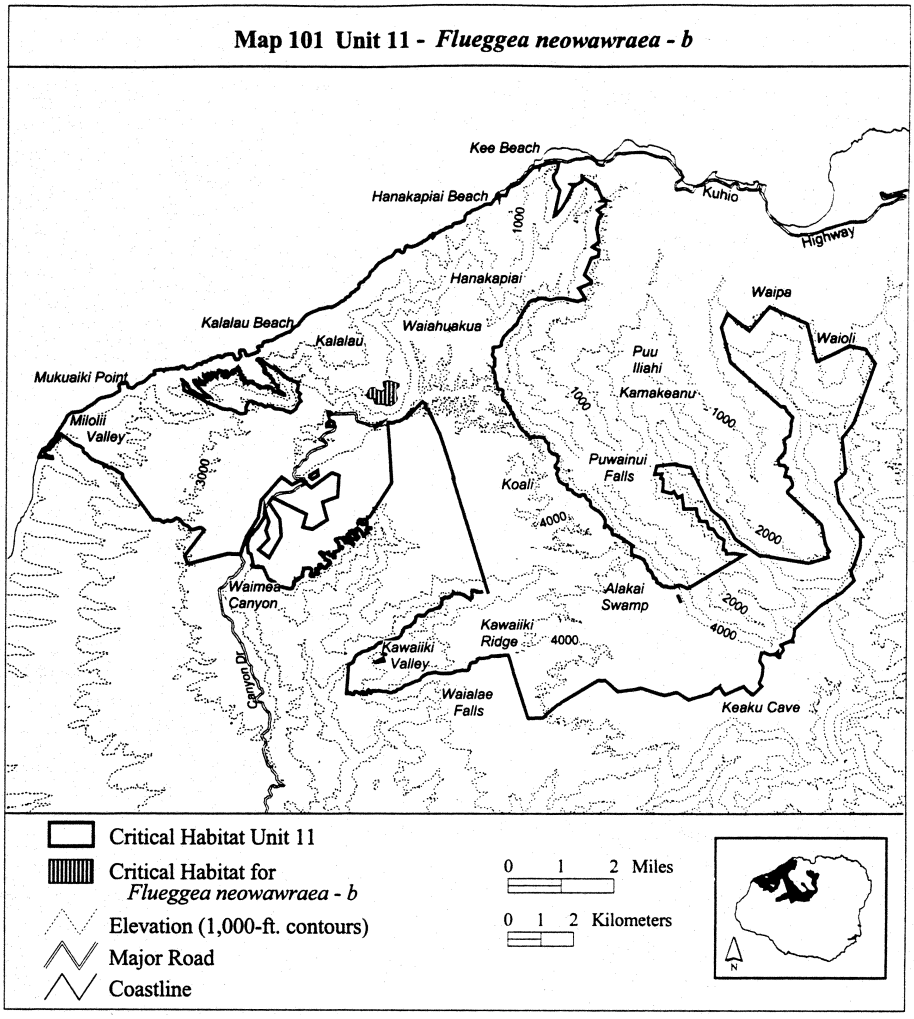
(B) NOTE: Map 100 follows:



(cxciv) Kauai 11—*Flueggea neowawraea*—b (47 ha; 117 ac)

(A) Unit consists of the following 28 boundary points: Start at 435053, 2450333; 435166, 2450421; 435094, 2450487; 435075, 2450618; 435179, 2450654; 435308, 2450654; 435574, 2450555; 435574, 2450470; 435476, 2450413; 435470, 2450325; 435489, 2450207; 435514, 2450108; 435498, 2450032; 435434, 2449958; 435330, 2449897; 435215, 2449903; 435042, 2449944; 434910, 2449936; 434836, 2449952; 434773, 2450128; 434628, 2450122; 434573, 2450194; 434633, 2450366; 434705, 2450440; 434776, 2450462; 434839, 2450454; 434883, 2450386; 434935, 2450358; return to starting point.

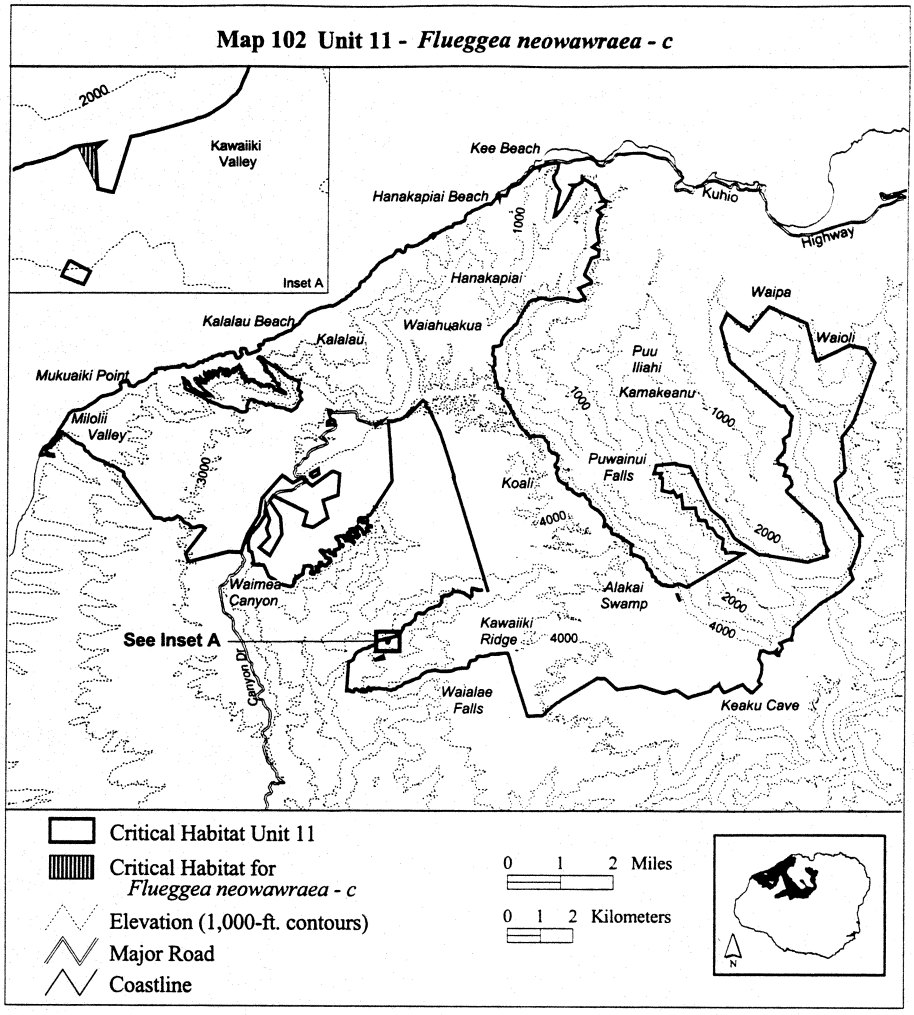
(B) NOTE: Map 101 follows:



(cxcv) Kauai 11—*Flueggea neowawraea*—c (152 ha; 376 ac)

(A) Unit consists of the following 8 boundary points: Start at 435236, 2442644; 435172, 2442772; 435184, 2442774; 435201, 2442777; 435219, 2442778; 435237, 2442782; 435251, 2442783; 435228, 2442762; return to starting point.

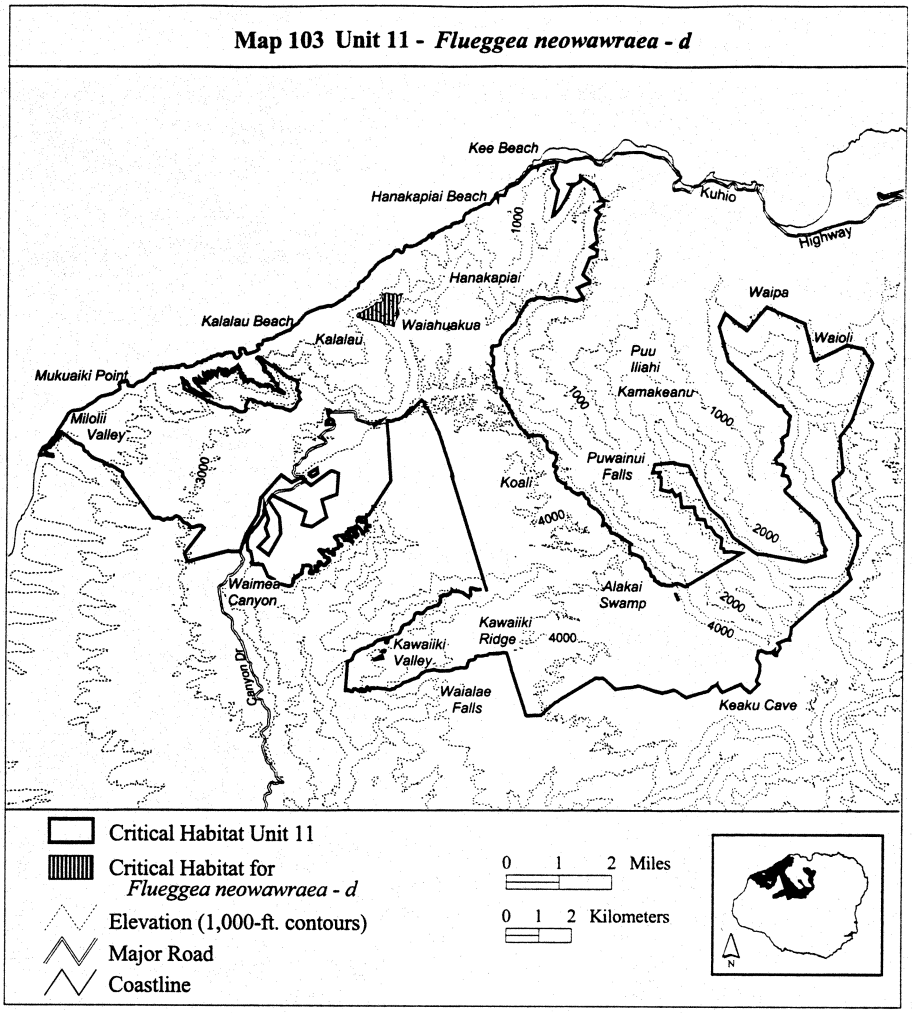
(B) NOTE: Map 102 follows:



(cxcvi) Kauai 11—*Flueggea neowawraea*—d (77 ha; 191 ac)

(A) Unit consists of the following 51 boundary points: Start at 435601, 2453022; 435552, 2452987; 435543, 2452967; 435543, 2452858; 435585, 2452742; 435585, 2452645; 435523, 2452533; 435465, 2452417; 435436, 2452291; 435369, 2452311; 435179, 2452369; 435037, 2452423; 434866, 2452465; 434660, 2452501; 434508, 2452517; 434392, 2452562; 434308, 2452585; 434282, 2452639; 434331, 2452707; 434382, 2452717; 434437, 2452733; 434476, 2452758; 434508, 2452794; 434534, 2452807; 434647, 2452852; 434698, 2452881; 434724, 2452926; 434798, 2452942; 434853, 2453003; 434901, 2453042; 434934, 2453038; 434966, 2453025; 434995, 2453025; 435062, 2453058; 435072, 2453103; 435066, 2453164; 435043, 2453238; 435069, 2453273; 435104, 2453293; 435143, 2453296; 435156, 2453306; 435169, 2453344; 435278, 2453315; 435401, 2453280; 435417, 2453296; 435459, 2453315; 435488, 2453286; 435511, 2453247; 435556, 2453251; 435610, 2453302; 435675, 2453302; return to starting point.

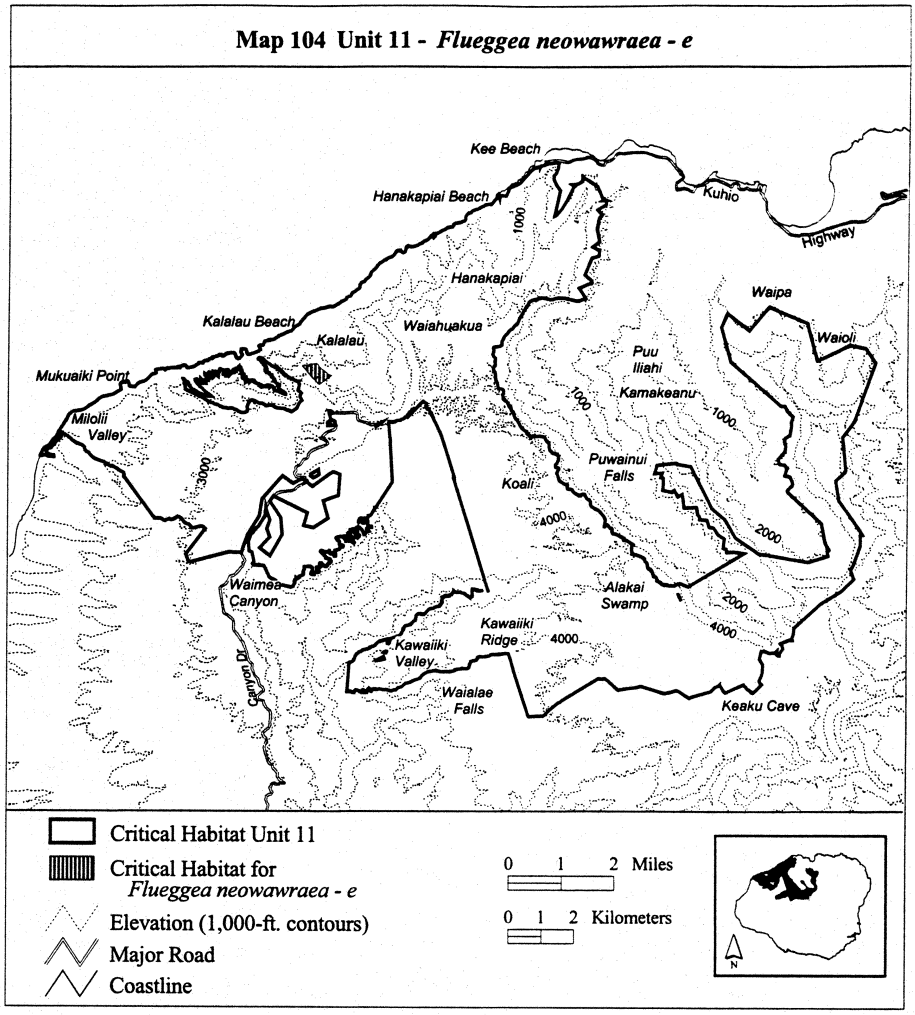
(B) NOTE: Map 103 follows:



(cxcvii) Kauai 11—*Flueggea neowawraea*—e (27 ha; 67 ac)

(A) Unit consists of the following 14 boundary points: Start at 432615, 2451107; 432699, 2451108; 433006, 2451176; 433021, 2451179; 433036, 2451174; 433144, 2451038; 433233, 2450957; 433419, 2450821; 433475, 2450808; 433290, 2450648; 433095, 2450524; 432852, 2450782; 432650, 2451016; 432594, 2451102; return to starting point.

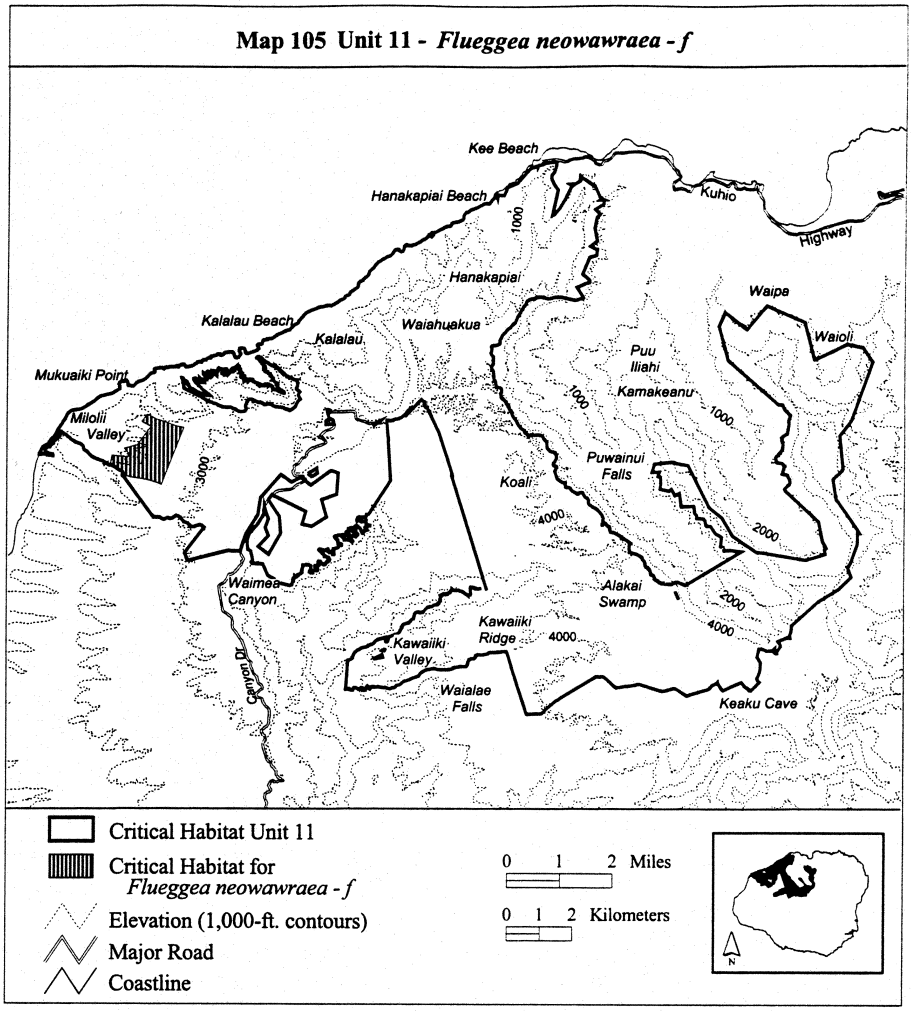
(B) NOTE: Map 104 follows:



(cxcviii) Kauai 11—*Flueggea neowawraea*—f (240 ha; 594 ac)

(A) Unit consists of the following 27 boundary points: Start at 426767, 2448021; 426831, 2448310; 427314, 2448265; 427337, 2448374; 427206, 2448518; 427613, 2448631; 428020, 2449196; 427749, 2449350; 427898, 2449558; 427966, 2449562; 428160, 2449427; 428391, 2449359; 428802, 2449205; 429028, 2449155; 428345, 2447429; 428165, 2447501; 427884, 2447569; 427464, 2447641; 427418, 2447641; 427233, 2447691; 427161, 2447827; 427130, 2447833; 427124, 2447837; 427084, 2447847; 427065, 2447855; 426993, 2447931; 426885, 2447998; return to starting point.

(B) NOTE: Map 105 follows:



(cxcix) Kauai 11–*Geranium kauaiense*–b

(A) See paragraph (a)(1)(cxxx)(A) of this section for the textual description of this unit.

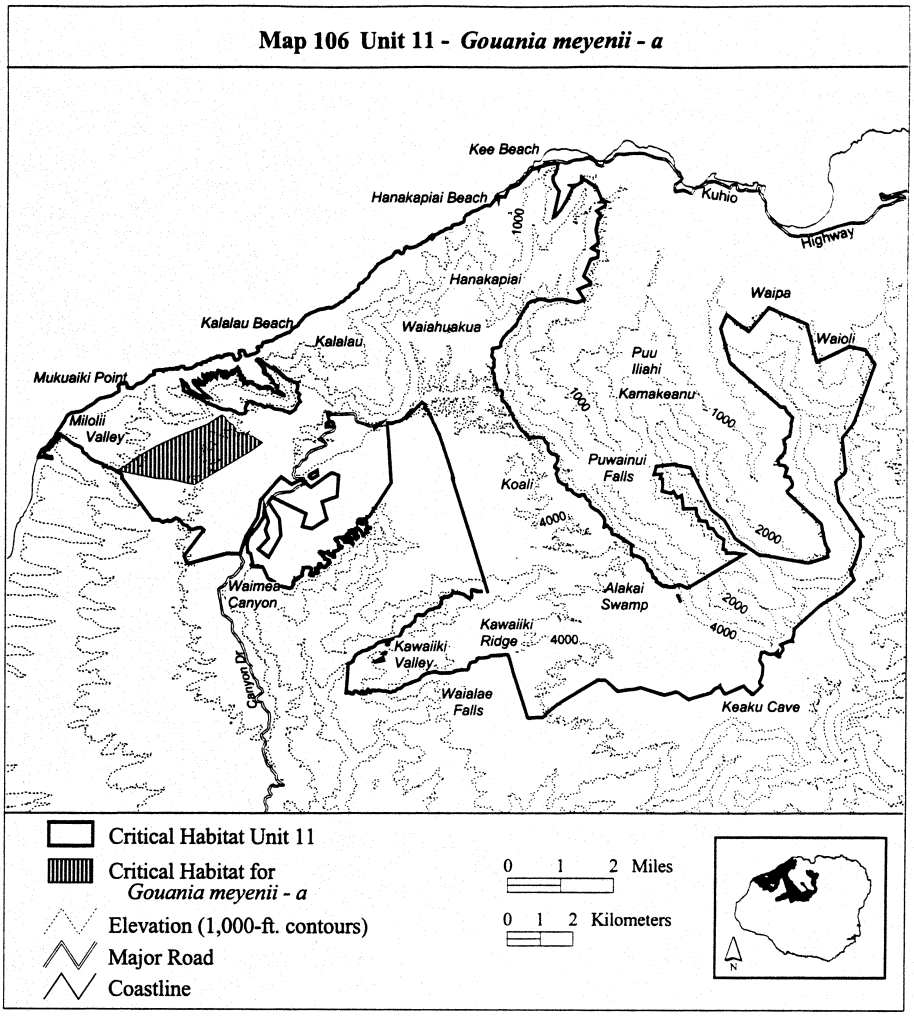
(B) See paragraph (a)(1)(cxxx)(B) of this section for the map of this unit.

(cc) Kauai 11—*Gouania meyenii*—a (443 ha; 1,094 ac)

(A) Unit consists of the following 61 boundary points: Start at 429367, 2447493; 428683, 2447645; 428241, 2447686; 427018, 2447921; 427281, 2448080; 427605, 2448322; 428213, 2448667; 428883, 2448977; 429740, 2449322; 430202, 2449633; 430314, 2449534; 430313, 2449532; 430312, 2449517; 430307, 2449482; 430318, 2449477; 430335, 2449474; 430349, 2449466; 430355, 2449451; 430369, 2449433; 430418, 2449395; 430437, 2449371; 430430, 2449364; 430451, 2449363; 430463, 2449355; 430474, 2449342; 430485, 2449333; 430527, 2449321; 430533, 2449310; 430545, 2449277; 430559, 2449254; 430604, 2449229; 430616, 2449214; 430623, 2449194; 430623, 2449173; 430616, 2449156; 430619, 2449138; 430629, 2449119; 430643, 2449106; 430677, 2449084; 430699, 2449074; 430717, 2449071; 430748, 2449070; 430773, 2449073;

430799, 2449081; 430825, 2449080; 430875, 2449032; 430881, 2449027; 430905, 2449022; 430921, 2449029; 430944, 2449045; 430955, 2449058; 431025, 2449016; 431024, 2449005; 431035, 2448975; 431050, 2448960; 431066, 2448956; 431086, 2448957; 431093, 2448962; 431099, 2448970; 431432, 2448770; 431052, 2448487; return to starting point.

(B) NOTE: Map 106 follows:

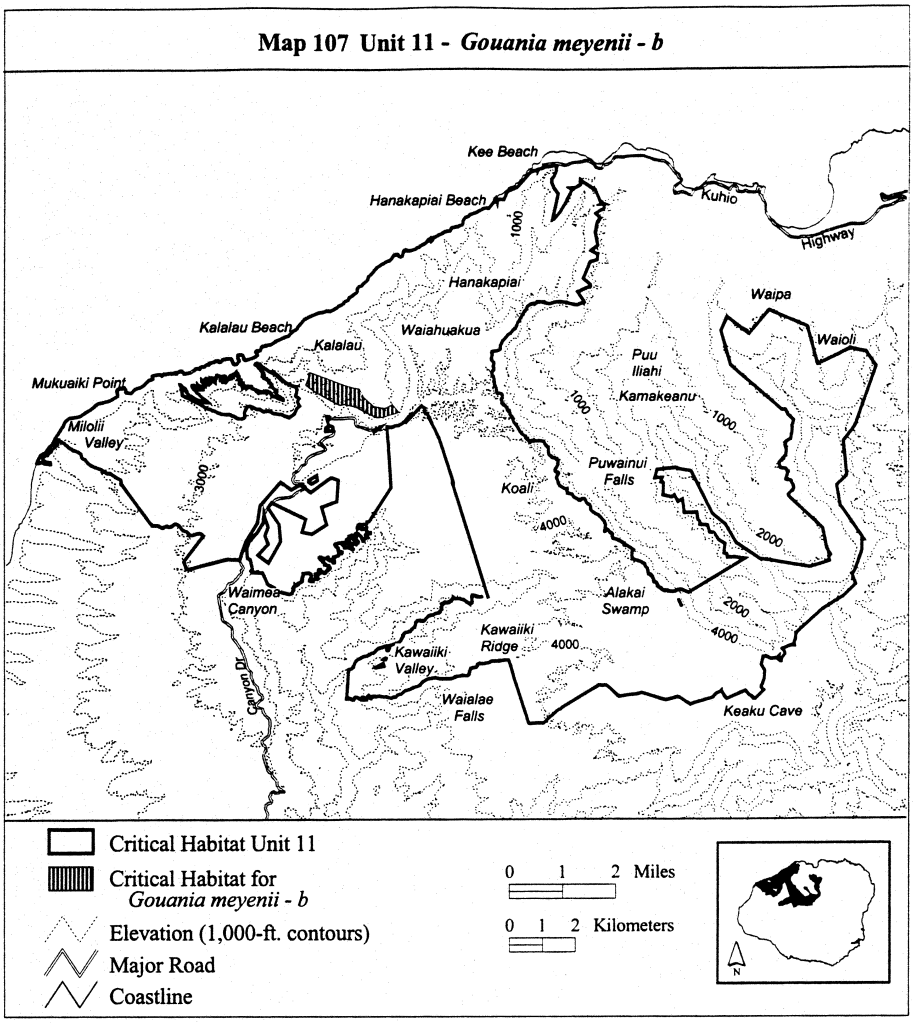


(cci) Kauai 11—*Gouania meyenii*—b (128 ha; 316 ac)

(A) Unit consists of the following 20 boundary points: Start at 432908, 2451056; 433375, 2450880; 433953, 2450654; 434234, 2450563; 434395, 2450548; 434531, 2450292; 434832, 2450011; 435169, 2449930; 435405, 2450056; 435596, 2449830; 435124, 2449679; 434943, 2449669; 434611, 2449820; 434330, 2449971; 434234, 2450006; 433943, 2450071; 433807, 2450051; 433641, 2450127;

433053, 2450458; 432767, 2450674; return to starting point.

(B) NOTE: Map 107 follows:

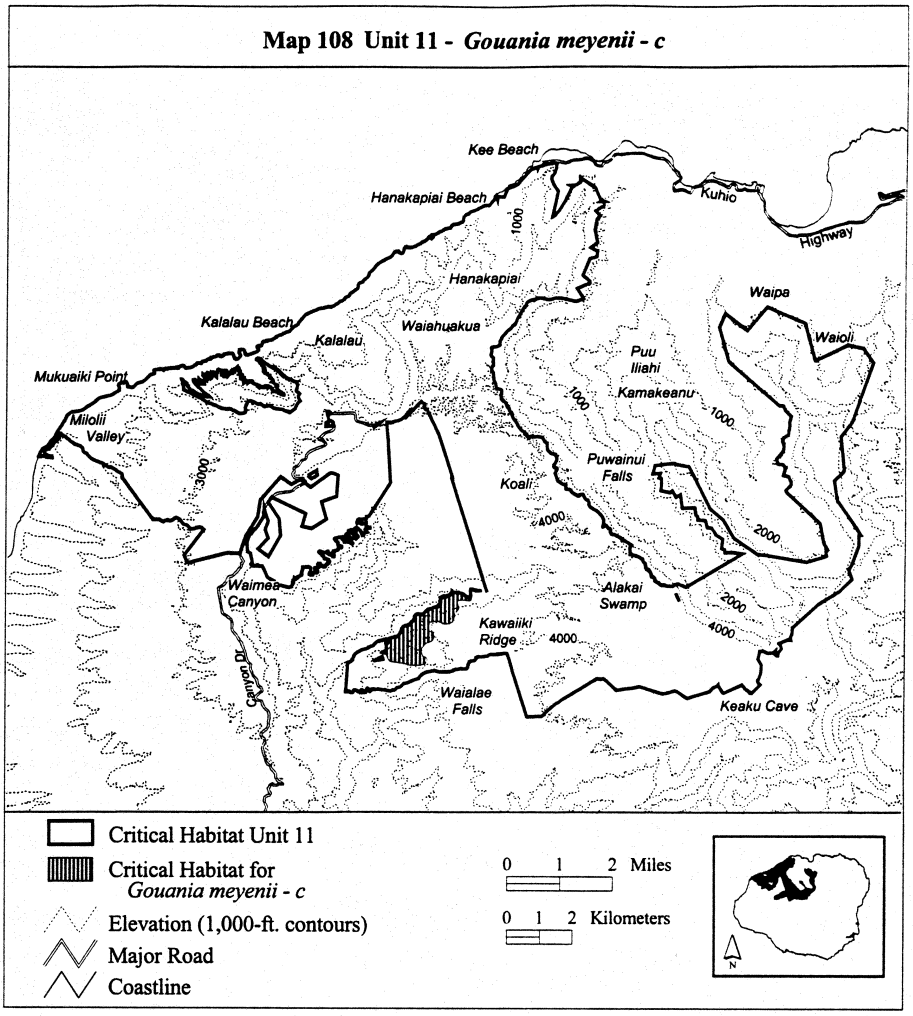


(ccii) Kauai 11—*Gouania meyenii*—c (215 ha; 532 ac)

(A) Unit consists of the following 246 boundary points: Start at 435336, 2442801; 435344, 2442802; 435367, 2442807; 435391, 2442814; 435415, 2442819; 435435, 2442826; 435454, 2442831; 435476, 2442838; 435496, 2442844; 435516, 2442850; 435530, 2442853; 435534, 2442855; 435543, 2442858; 435556, 2442862; 435571, 2442867; 435585, 2442876; 435598, 2442885; 435608, 2442891; 435619, 2442899; 435627, 2442904; 435642, 2442920; 435658, 2442932; 435668, 2442948; 435673, 2442959; 435681, 2442977; 435688, 2442995; 435693, 2443006; 435698, 2443024; 435704, 2443036; 435708, 2443047; 435715, 2443064; 435722, 2443078; 435725, 2443086; 435729, 2443093; 435735, 2443103; 435738,

2443112; 435743, 2443127; 435749, 2443138; 435753, 2443149; 435757, 2443155; 435766, 2443169; 435778, 2443179; 435790, 2443186; 435804, 2443188; 435821, 2443194; 435842, 2443199; 435861, 2443202; 435874, 2443204; 435889, 2443208; 435904, 2443211; 435933, 2443223; 435942, 2443232; 435949, 2443246; 435958, 2443255; 435969, 2443263; 435979, 2443271; 435993, 2443281; 436010, 2443297; 436032, 2443316; 436048, 2443332; 436064, 2443343; 436080, 2443358; 436089, 2443375; 436095, 2443390; 436100, 2443403; 436107, 2443421; 436113, 2443456; 436118, 2443477; 436123, 2443502; 436134, 2443520; 436146, 2443534; 436160, 2443543; 436175, 2443554; 436190, 2443560; 436213, 2443563; 436227, 2443563; 436240, 2443562; 436254, 2443557; 436265, 2443552; 436274, 2443547; 436287, 2443540; 436300, 2443537; 436315, 2443532; 436328, 2443529; 436337, 2443528; 436348, 2443531; 436357, 2443536; 436369, 2443546; 436380, 2443558; 436392, 2443572; 436403, 2443585; 436421, 2443611; 436438, 2443631; 436460, 2443655; 436478, 2443676; 436497, 2443688; 436518, 2443696; 436534, 2443700; 436558, 2443707; 436576, 2443711; 436597, 2443714; 436611, 2443716; 436630, 2443718; 436644, 2443720; 436655, 2443724; 436666, 2443731; 436678, 2443742; 436697, 2443756; 436708, 2443763; 436726, 2443769; 436745, 2443772; 436758, 2443775; 436771, 2443776; 436788, 2443776; 436799, 2443778; 436808, 2443781; 436818, 2443785; 436823, 2443786; 436829, 2443790; 436837, 2443797; 436841, 2443801; 436845, 2443807; 436852, 2443819; 436861, 2443831; 436870, 2443847; 436882, 2443863; 436890, 2443877; 436900, 2443900; 436911, 2443923; 436914, 2443936; 436914, 2443948; 436913, 2443962; 436910, 2443981; 436908, 2443995; 436908, 2444013; 436911, 2444027; 436918, 2444040; 436926, 2444047; 436933, 2444055; 436942, 2444065; 436951, 2444073; 436961, 2444084; 436969, 2444094; 436975, 2444098; 436983, 2444102; 436994, 2444107; 437009, 2444108; 437026, 2444105; 437049, 2444100; 437067, 2444092; 437076, 2444089; 437106, 2444090; 437119, 2444096; 437128, 2444104; 437133, 2444112; 437137, 2444122; 437144, 2444130; 437156, 2444135; 437169, 2444141; 437183, 2444150; 437191, 2444154; 437202, 2444165; 437212, 2444177; 437228, 2444198; 437239, 2444213; 437245, 2444227; 437254, 2444239; 437263, 2444246; 437278, 2444240; 437294, 2444234; 437310, 2444225; 437332, 2444217; 437351, 2444217; 437370, 2444223; 437391, 2444223; 437412, 2444226; 437428, 2444226; 437445, 2444223; 437462, 2444219; 437482, 2444211; 437497, 2444205; 437541, 2444190; 437563, 2444183; 437578, 2444179; 437593, 2444170; 437610, 2444160; 437624, 2444146; 437636, 2444132; 437651, 2444119; 437671, 2444112; 437691, 2444102; 437703, 2444093; 437722, 2444082; 437732, 2444069; 437749, 2444061; 437758, 2444058; 437768, 2444060; 437780, 2444066; 437801, 2444076; 437842, 2444038; 437854, 2443995; 437806, 2443948; 437692, 2443963; 437605, 2443975; 437466, 2443983; 437423, 2443920; 437450, 2443829; 437474, 2443766; 437454, 2443683; 437383, 2443608; 437340, 2443533; 437320, 2443410; 437265, 2443311; 437193, 2443264; 437047, 2443248; 436838, 2443339; 436581, 2443312; 436553, 2443248; 436553, 2443153; 436557, 2443035; 436660, 2443003; 436727, 2442849; 436672, 2442719; 436470, 2442644; 436351, 2442513; 436324, 2442387; 436363, 2442276; 436462, 2442225; 436506, 2442150; 436450, 2442031; 436280, 2441980; 435996, 2441980; 435723, 2442051; 435675, 2442051; 435351, 2442106; 435304, 2442181; 435245, 2442312; 435181, 2442774; 435184, 2442774; 435201, 2442777; 435219, 2442778; 435237, 2442782; 435251, 2442783; 435228, 2442762; 435237, 2442643; 435284, 2442631; return to starting point.

(B) NOTE: Map 108 follows:

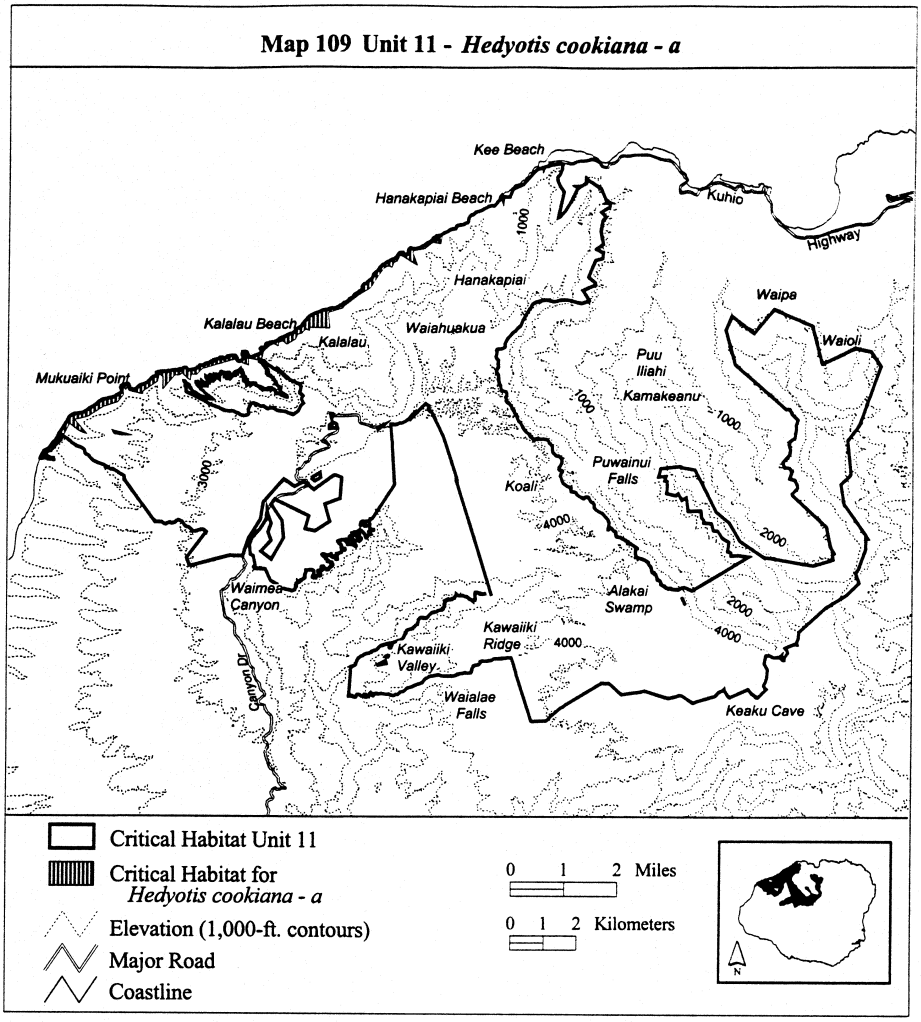


(cciii) Kauai 11—*Hedyotis cookiana*—a (771 ha; 1,905 ac)

(A) Unit consists of the following 197 boundary points: Start at 439564, 2456133; 439459, 2455948; 439445, 2455829; 439379, 2455816; 439379, 2455578; 439326, 2455446; 439326, 2455300; 439234, 2455208; 439247, 2455089; 439234, 2455036; 439459, 2454944; 439459, 2454838; 439393, 2454745; 439445, 2454666; 439379, 2454560; 439393, 2454455; 439419, 2454402; 439393, 2454296; 439287, 2454177; 439088, 2454296; 439075, 2454164; 439022, 2454138; 439154, 2454006; 439115, 2453913; 439221, 2453847; 439168, 2453741; 439181, 2453517; 439207, 2453332; 439181, 2453279; 439075, 2453345; 439022, 2453451; 438810, 2453530; 438652, 2453477; 438533, 2453649; 438519, 2453808; 438506, 2453860; 438400, 2453860; 438400, 2453913; 438347, 2453953; 438387, 2454045; 438281, 2454072; 438321, 2454204; 438228, 2454217; 438374, 2454323; 438427, 2454455; 438334, 2454468; 438281, 2454482; 438268, 2454574; 438109, 2454535; 438136, 2454653; 438109, 2454772; 438017, 2454746; 437964, 2454812; 437964, 2454931; 437884, 2454931; 437884, 2455090; 437937, 2455129; 438017, 2455142; 437924, 2455195; 437858, 2455208; 437818,

2455354; 437739, 2455354; 437765, 2455169; 437752, 2455010; 437739, 2454944; 437646, 2454931; 437607, 2454878; 437527, 2454839; 437593, 2454733; 437514, 2454707; 437421, 2454733; 437421, 2454680; 437342, 2454680; 437316, 2454601; 437236, 2454707; 437197, 2454693; 437144, 2454839; 437130, 2454799; 437117, 2454614; 437144, 2454561; 437197, 2454469; 437157, 2454416; 437223, 2454284; 437091, 2454218; 437091, 2453993; 437011, 2453980; 436853, 2454112; 436800, 2454046; 436747, 2454086; 436707, 2454297; 436707, 2454363; 436562, 2454429; 436376, 2454601; 436310, 2454548; 436495, 2454350; 436482, 2454244; 436535, 2454191; 436482, 2454099; 436562, 2453954; 436694, 2453663; 436694, 2453557; 436522, 2453584; 436165, 2453637; 436138, 2453518; 435979, 2453214; 435834, 2453267; 435834, 2453425; 435808, 2453690; 435794, 2453822; 435702, 2454020; 435649, 2453861; 435636, 2453637; 435530, 2453531; 435530, 2453399; 435397, 2453412; 435080, 2453373; 435120, 2453254; 435001, 2453254; 435053, 2453108; 434908, 2453082; 434233, 2452673; 434339, 2452355; 434432, 2452250; 434604, 2452210; 434710, 2451866; 434842, 2451470; 434815, 2451020; 434802, 2450875; 434207, 2450875; 433545, 2450836; 433162, 2450968; 433029, 2451206; 433096, 2451589; 432699, 2451761; 432633, 2452197; 432778, 2452092; 432924, 2452105; 433016, 2452052; 433201, 2452052; 433532, 2451801; 433810, 2452012; 433704, 2452224; 433612, 2452514; 433519, 2452699; 433532, 2452792; 433850, 2452845; 434127, 2453135; 434432, 2453228; 434590, 2453412; 434776, 2453346; 434762, 2453637; 434802, 2453743; 435040, 2453756; 435001, 2453914; 435225, 2453928; 435186, 2454073; 435384, 2454020; 435358, 2454218; 435503, 2454324; 436019, 2454086; 436151, 2453993; 436112, 2454337; 436085, 2454482; 436032, 2454641; 436284, 2454720; 436482, 2454813; 436839, 2454627; 436853, 2454799; 436813, 2454971; 436800, 2455143; 437091, 2455235; 437263, 2455024; 437316, 2455195; 437514, 2455275; 437448, 2455354; 437660, 2455592; 437805, 2455605; 437924, 2455750; 438215, 2455895; 438281, 2455591; 438242, 2455433; 438467, 2455235; 438519, 2454944; 438705, 2454719; 438797, 2454534; 438903, 2454812; 438916, 2455076; 438837, 2455287; 438916, 2455406; 438850, 2455604; 438758, 2455671; 438731, 2455803; 438678, 2455895; 438638, 2456146; 438691, 2456199; 439022, 2456067; 439022, 2456278; return to starting point.

(B) NOTE: Map 109 follows:

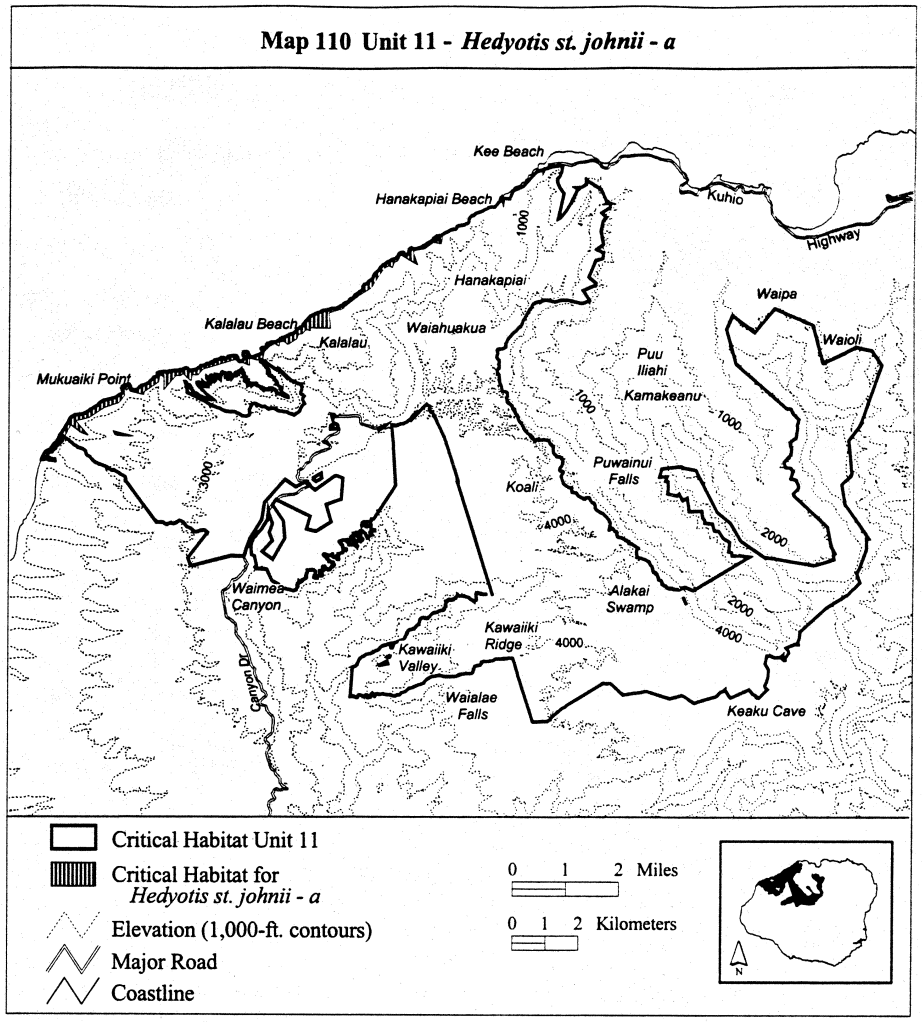


(cciv) Kauai 11—*Hedyotis st. johnii*—a (240 ha; 593 ac)

(A) Unit consists of the following 183 boundary points: coastline; 436761, 2455184; 436712, 2454892; 436479, 2454944; 436221, 2454738; 435934, 2454699; 435854, 2454648; 435988, 2454247; 435497, 2454557; 435394, 2454376; 435291, 2454325; 435239, 2454170; 435110, 2454222; 434981, 2454144; 434803, 2453887; 434586, 2453544; 434231, 2453319; 433798, 2452984; 433752, 2452923; 433308, 2452782; 433353, 2452312; 432747, 2452333; 432742, 2452243; 432641, 2452288; 432573, 2452247; 432525, 2452167; 432394, 2452127; 432333, 2452001; 432061, 2451822; 431939, 2451935; 431794, 2451884; 431798, 2451784; 431661, 2451854; 431544, 2451797; 431338, 2451616; 431318, 2451426; 431183, 2451358; 430888, 2451421; 430898, 2451203; 430666, 2451294; 430535, 2451320; 430469, 2451390; 430149, 2451281; 429503, 2451074; 429338, 2450901; 429167, 2450919; 429131, 2450729; 429064, 2450790; 428883, 2450945; 428817, 2450876; 428676, 2450881; 428314, 2450455; 428314, 2450842; 428181, 2450916; 428156, 2450755; 428141, 2450689; 427991,

2450578; 427711, 2450396; 427696, 2450306; 427356, 2450395; 427289, 2450413; 427226, 2450518; 427181, 2450422; 427120, 2450518; 427099, 2450470; 427120, 2450270; 426959, 2450063; 426506, 2449913; 426060, 2449619; 425852, 2449550; 425640, 2449518; 426014, 2449089; 425788, 2449164; 425489, 2449387; 425301, 2449004; 425272, 2449039; 425267, 2449033; 425258, 2449022; 425253, 2449013; 425252, 2449003; 425253, 2448996; 425251, 2448992; 425242, 2448981; 425239, 2448972; 425231, 2448956; 425224, 2448934; 425222, 2448911; 425223, 2448900; 425224, 2448891; 425223, 2448883; 425218, 2448877; 425212, 2448878; 425208, 2448876; 425201, 2448872; 425192, 2448867; 425181, 2448859; 425172, 2448853; 425162, 2448844; 425158, 2448833; 425157, 2448818; 425153, 2448809; 425148, 2448807; 425136, 2448801; 425124, 2448795; 425120, 2448790; 425112, 2448785; 425100, 2448774; 425094, 2448768; 425081, 2448757; 425070, 2448745; 425062, 2448734; 425053, 2448723; 425044, 2448711; 425043, 2448695; 425029, 2448684; 425024, 2448675; 425017, 2448667; 425011, 2448659; 424999, 2448650; 424991, 2448642; 424980, 2448628; 424973, 2448615; 424956, 2448592; 424936, 2448587; 424929, 2448581; 424924, 2448574; 424917, 2448569; 424910, 2448561; 424906, 2448551; 424898, 2448552; 424886, 2448554; 424877, 2448554; 424871, 2448552; 424863, 2448548; 424849, 2448543; 424840, 2448538; 424824, 2448534; 424811, 2448524; 424803, 2448521; 424795, 2448511; 424785, 2448498; 424778, 2448484; 424774, 2448461; 424778, 2448445; 424791, 2448421; 424819, 2448402; 424832, 2448389; 424848, 2448376; 424871, 2448368; 424900, 2448356; 424929, 2448346; 424953, 2448337; 424973, 2448335; 424990, 2448333; 424997, 2448333; 425003, 2448327; 425006, 2448318; 425009, 2448308; 425011, 2448298; 425013, 2448289; 425015, 2448280; 425010, 2448272; 424998, 2448277; 424991, 2448284; 424983, 2448288; 424971, 2448291; 424957, 2448291; 424948, 2448290; 424933, 2448287; 424927, 2448284; 424915, 2448289; 424892, 2448299; 424874, 2448301; 424841, 2448311; 424823, 2448330; 424803, 2448337; 424777, 2448336; 424735, 2448339; 424711, 2448334; 424677, 2448333; 424664, 2448328; 424648, 2448323; 424633, 2448323; 424603, 2448328; coastline.

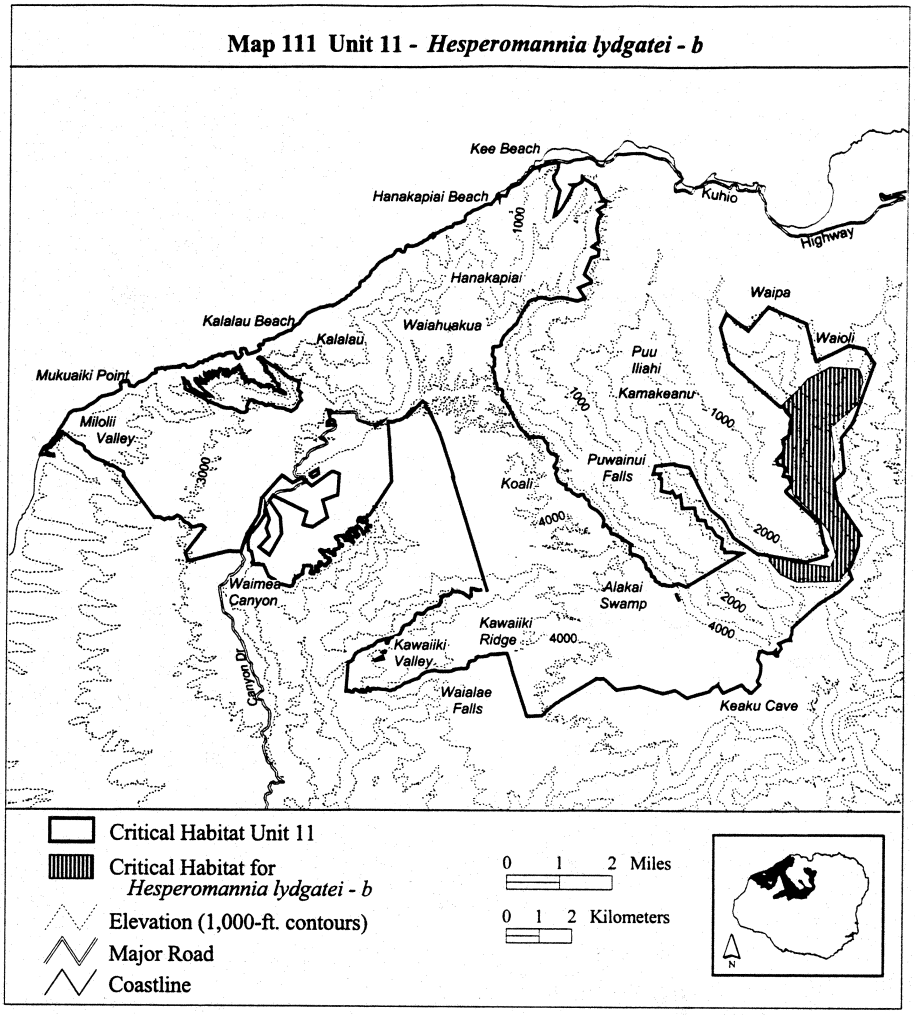
(B) NOTE: Map 110 follows:



(ccv) Kauai 11—*Hesperomannia lydgatei*—b (913 ha; 2,257 ac)

(A) Unit consists of the following 40 boundary points: Start at 449025, 2444558; 449034, 2444577; 447785, 2444536; 447265, 2444785; 446918, 2445192; 446929, 2445275; 446911, 2445345; 447532, 2445239; 447640, 2445139; 448264, 2445076; 448784, 2445014; 448951, 2445367; 448722, 2446074; 448431, 2446449; 447619, 2447218; 447515, 2447780; 447265, 2448196; 447369, 2448840; 447577, 2449152; 447500, 2449383; 447568, 2449571; 447383, 2449734; 447307, 2449963; 447288, 2449973; 447777, 2450446; 448043, 2450744; 448734, 2451117; 449607, 2451049; 449711, 2450800; 449711, 2450644; 449545, 2449954; 449353, 2449767; 448773, 2449272; 448893, 2448312; 448803, 2448103; 448983, 2446963; 449643, 2446064; 449643, 2445644; 449433, 2445045; 449043, 2444565; return to starting point.

(B) NOTE: Map 111 follows:

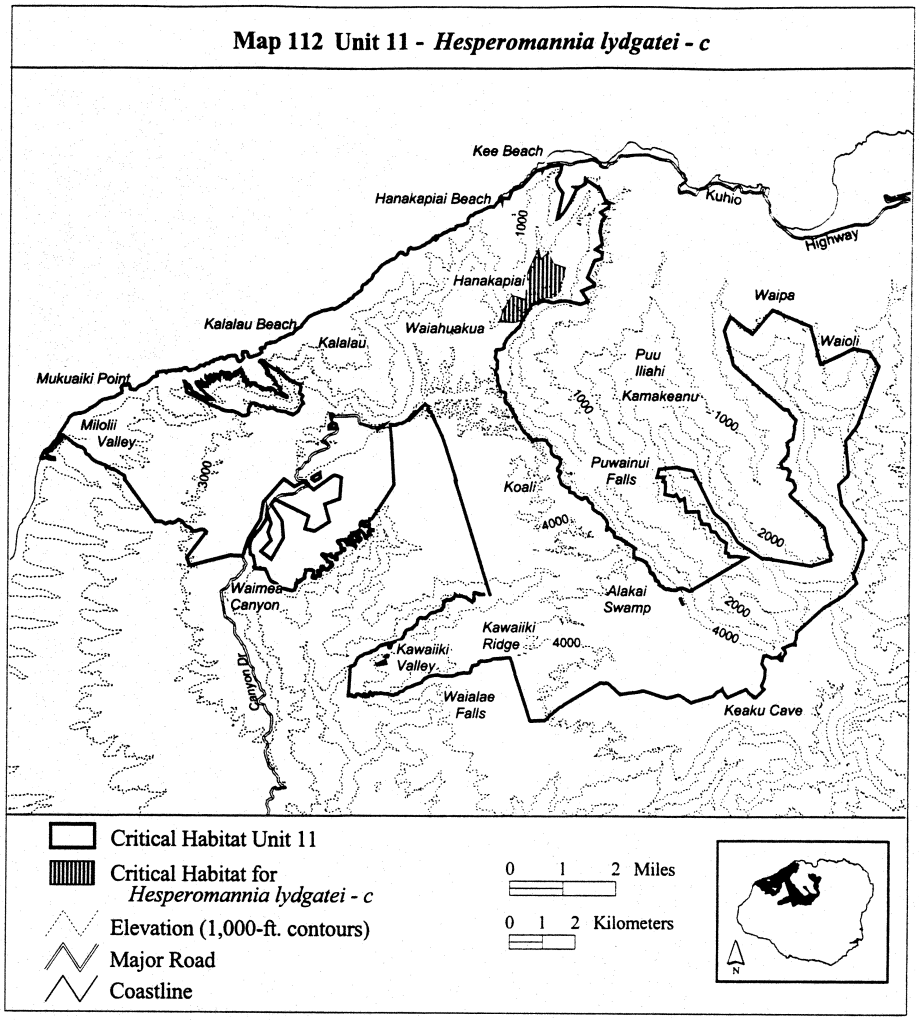


(ccvi) Kauai 11—*Hesperomannia lydgatei*—c (180 ha; 444 ac)

(A) Unit consists of the following 63 boundary points: Start at 439257, 2452630; 439170, 2452590; 439025, 2452523; 438546, 2452544; 438629, 2452877; 438900, 2453355; 439316, 2453230; 439378, 2454041; 439711, 2454768; 439733, 2454651; 439774, 2454435; 440003, 2454643; 440169, 2454310; 440536, 2454173; 440533, 2454158; 440523, 2454133; 440509, 2454110; 440485, 2453995; 440492, 2453950; 440484, 2453922; 440461, 2453865; 440450, 2453851; 440432, 2453815; 440421, 2453780; 440412, 2453745; 440410, 2453716; 440404, 2453694; 440384, 2453655; 440378, 2453623; 440380, 2453590; 440370, 2453517; 440363, 2453496; 440355, 2453461; 440350, 2453451; 440333, 2453428; 440315, 2453408; 440288, 2453388; 440275, 2453381; 440244, 2453334; 440223, 2453322; 440199, 2453305; 440147, 2453289; 440119, 2453282; 440093, 2453280; 439987, 2453284; 439962, 2453283; 439924, 2453275; 439905, 2453264; 439787, 2453162; 439724, 2453135; 439639, 2453119; 439600, 2453107; 439553, 2453082; 439503, 2453046; 439481, 2453022; 439473, 2452985; 439464, 2452963; 439414, 2452909; 439390, 2452876; 439355, 2452801; 439333,

2452769; 439311, 2452745; 439279, 2452669; return to starting point.

(B) NOTE: Map 112 follows:

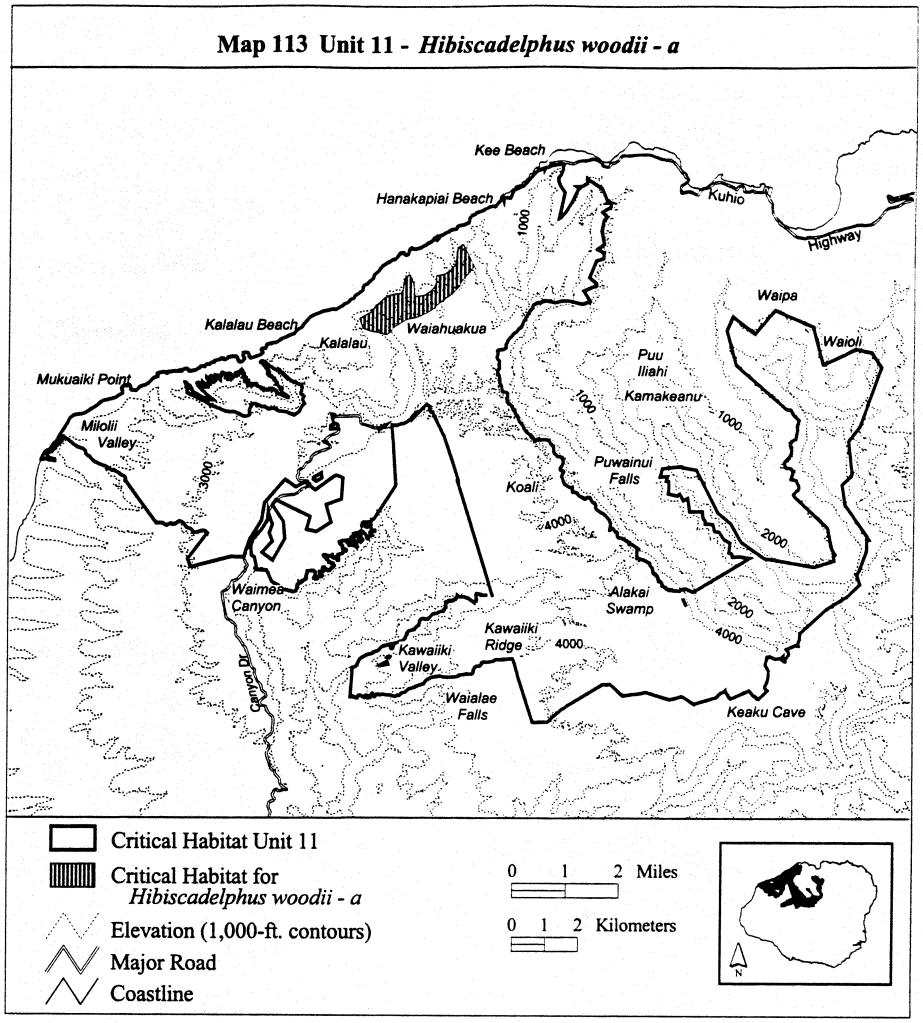


(ccvii) Kauai 11—*Hibiscadelphus woodii*—a (278 ha; 686 ac)

(A) Unit consists of the following 52 boundary points: Start at 437363, 2454888; 437482, 2454647; 437699, 2454229; 437302, 2453742; 437228, 2453583; 437134, 2453505; 437048, 2453382; 437011, 2453374; 436831, 2453251; 436638, 2453088; 436478, 2452949; 436290, 2452826; 435970, 2452683; 435913, 2452666; 435671, 2452621; 435413, 2452470; 435265, 2452364; 435195, 2452253; 435054, 2452153; 434912, 2452191; 434801, 2452221; 434628, 2452243; 434335, 2452343; 434224, 2452634; 434569, 2452839; 434769, 2453060; 434970, 2453248; 435142, 2453350; 435318, 2453395; 435486, 2453407; 435556, 2453530; 435568, 2453678; 435614, 2453870; 435741, 2453972; 435818, 2453862; 435872, 2453677; 435892, 2453485; 435900, 2453366; 435925, 2453325; 436187, 2453346; 436376,

2453473; 436503, 2453604; 436544, 2453710; 436552, 2453845; 436560, 2453947; 436650, 2453964; 436822, 2453996; 436995, 2454115; 437117, 2454254; 437167, 2454479; 437179, 2454676; 437232, 2454790; return to starting point.

(B) NOTE: Map 113 follows:

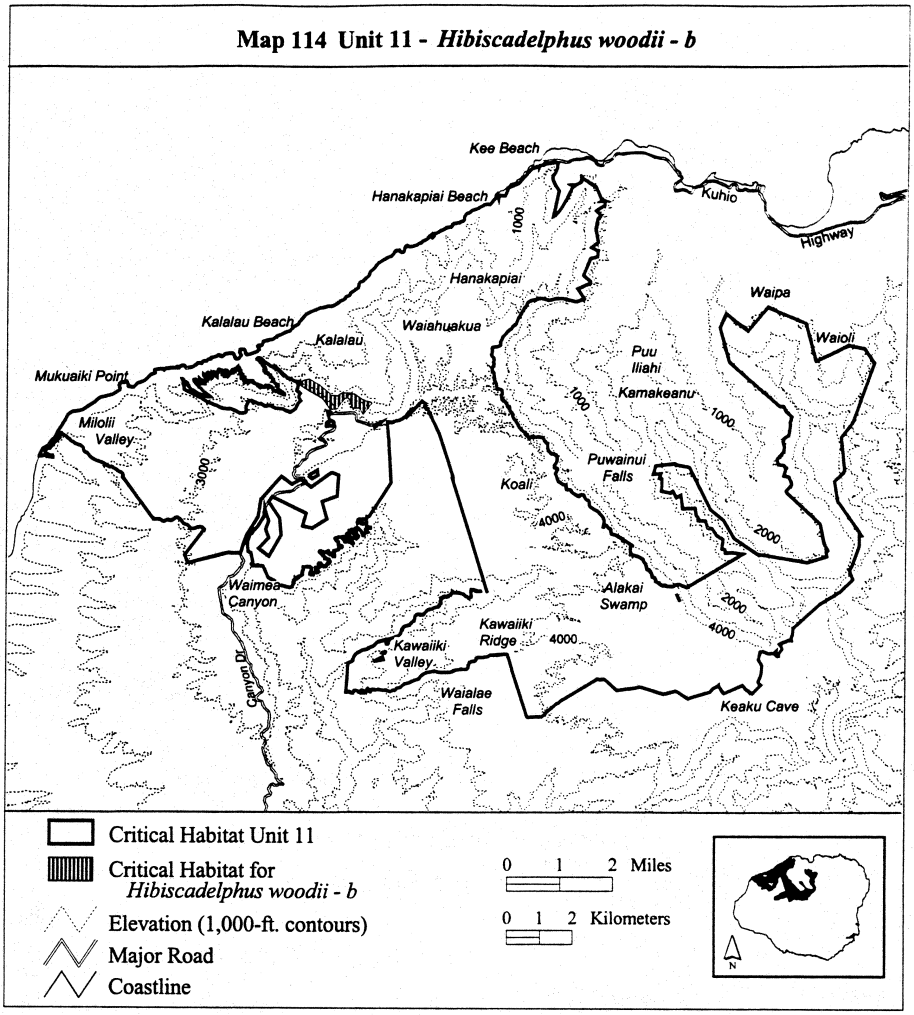


(ccviii) Kauai 11—*Hibiscadelphus woodii*—b (72 ha; 177 ac)

(A) Unit consists of the following 43 boundary points: Start at 432520, 2450579; 432692, 2450669; 432843, 2450694; 432979, 2450628; 433167, 2450501; 433306, 2450399; 433446, 2450268; 433511, 2450202; 433704, 2450174; 433839, 2450268; 434081, 2450272; 434290, 2450198; 434437, 2450087; 434577, 2450030; 434737, 2449985; 434753, 2449956; 434716, 2449895; 434642, 2449793; 434536, 2449666; 434478, 2449604; 434388, 2449772; 434360, 2449817; 434245, 2449793; 434155, 2449817; 434097, 2449952; 434069,

2450079; 434007, 2450116; 433933, 2450104; 433876, 2450039; 433806, 2449940; 433753, 2449875; 433720, 2449817; 433667, 2449777; 433573, 2449772; 433495, 2449768; 433429, 2449830; 433376, 2449928; 433323, 2449994; 433233, 2450104; 433085, 2450194; 432839, 2450334; 432704, 2450432; 432589, 2450481; return to starting point.

(B) NOTE: Map 114 follows:

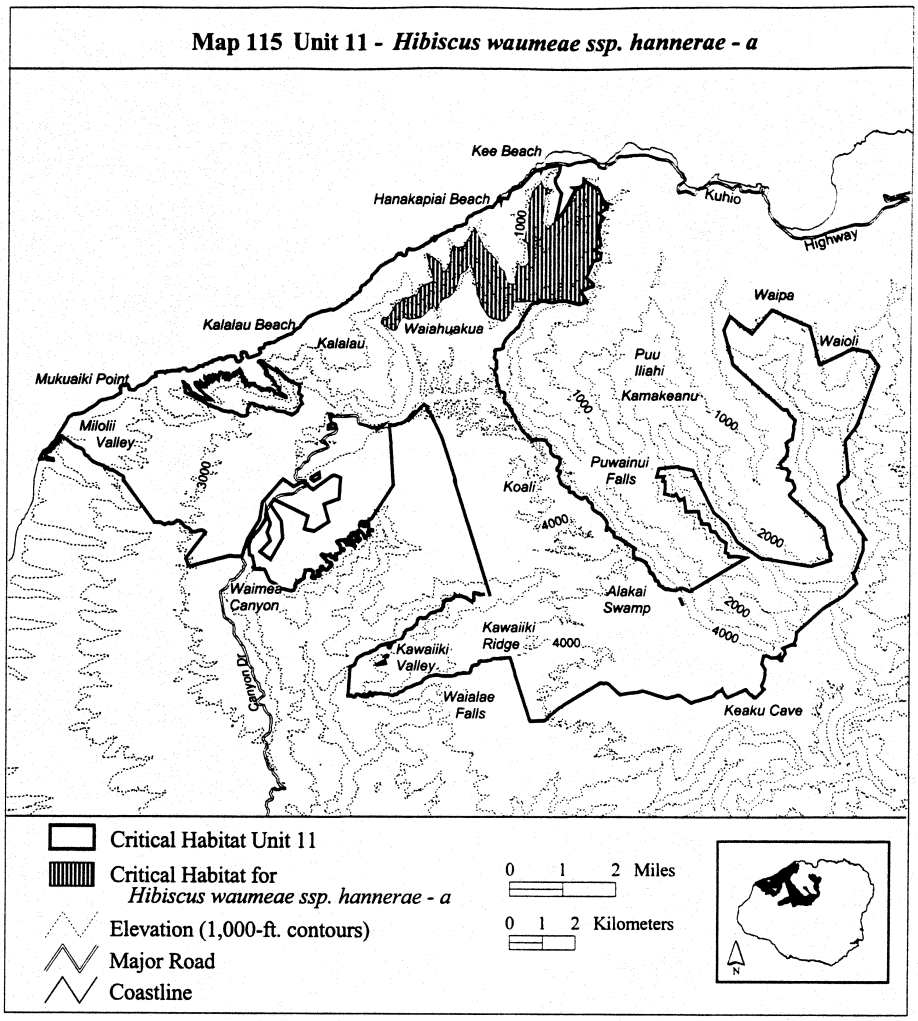


(ccix) Kauai 11—*Hibiscus waimeae ssp. hannerae*—a (1,119 ha; 2,765 ac)

(A) Unit consists of the following 180 boundary points: Start at 439800, 2453173; 439754, 2453167; 439692, 2453157; 439557, 2453163; 439532, 2453165; 439441, 2453172; 439409, 2453191; 439363, 2453165; 439230, 2453162; 439059, 2453162; 438983, 2453175; 438983, 2453064; 438942, 2452919; 438866, 2452802; 438796, 2452700; 438701, 2452574; 438505, 2452615; 438362, 2452644; 438261, 2452688; 438188, 2452770; 438014, 2453046; 437944, 2453242; 437874, 2453406; 437858, 2453641; 437801, 2453891; 437763,

2454052; 437719, 2454160; 437675, 2454356; 437584, 2454153; 437374, 2454005; 437347, 2453974; 437348, 2453973; 437291, 2453729; 437199, 2453502; 437184, 2453467; 437047, 2453328; 436790, 2453211; 436648, 2452900; 436559, 2453068; 436417, 2452923; 436281, 2452768; 436157, 2452689; 435967, 2452657; 435831, 2452635; 435770, 2452632; 435698, 2452682; 435644, 2452701; 435488, 2452477; 435444, 2452338; 435397, 2452296; 435352, 2452293; 435251, 2452328; 434963, 2452515; 434978, 2452588; 435029, 2452702; 435086, 2452679; 435131, 2452688; 435131, 2452688; 435131, 2452688; 435132, 2452688; 435132, 2452689; 435132, 2452689; 435133, 2452689; 435133, 2452689; 435134, 2452690; 435134, 2452690; 435135, 2452690; 435135, 2452690; 435135, 2452690; 435136, 2452690; 435136, 2452691; 435137, 2452691; 435137, 2452691; 435138, 2452691; 435138, 2452691; 435138, 2452691; 435139, 2452691; 435139, 2452692; 435140, 2452692; 435140, 2452692; 435141, 2452692; 435141, 2452692; 435142, 2452692; 435142, 2452692; 435143, 2452692; 435143, 2452692; 435191, 2452717; 435270, 2452863; 435321, 2452945; 435403, 2453072; 435454, 2453129; 435495, 2453141; 435542, 2453151; 435609, 2453249; 435774, 2453290; 436053, 2453389; 436152, 2453608; 436563, 2453790; 436329, 2454620; 436719, 2454372; 436832, 2454059; 436960, 2454143; 436959, 2454144; 437063, 2454388; 437095, 2454691; 437123, 2454847; 437299, 2454806; 437456, 2454831; 437810, 2455391; 438080, 2454797; 438434, 2454464; 438587, 2454169; 438692, 2454087; 438723, 2453966; 438774, 2453808; 438828, 2453723; 438942, 2453681; 439028, 2453685; 439066, 2454067; 439088, 2454131; 439085, 2454138; 439096, 2454216; 439096, 2454271; 439119, 2454321; 439151, 2454295; 439187, 2454235; 439234, 2454221; 439271, 2454221; 439370, 2454258; 439422, 2454331; 439438, 2454388; 439444, 2454416; 439440, 2454421; 439391, 2454938; 439235, 2455037; 439299, 2455455; 439412, 2455858; 439540, 2456495; 439815, 2456763; 439823, 2456771; 439894, 2456601; 440128, 2456530; 439944, 2456367; 439859, 2455603; 440015, 2455348; 440865, 2456289; 440893, 2456544; 441127, 2456650; 441142, 2456810; 441443, 2456623; 441460, 2456466; 441609, 2456381; 441609, 2456254; 441799, 2456137; 441783, 2456137; 441761, 2456132; 441835, 2456125; 441835, 2456004; 441578, 2455834; 441704, 2455698; 441624, 2455592; 441558, 2455280; 441634, 2454883; 441432, 2454722; 441629, 2454611; 441614, 2454455; 441412, 2454395; 441196, 2453892; 441412, 2453696; 441402, 2453646; 441025, 2453470; 441231, 2453168; 440989, 2453082; 440546, 2453183; 440390, 2453178; 440234, 2453133; 440153, 2453118; 439932, 2453184; 439811, 2453179; 439809, 2453180; return to starting point.

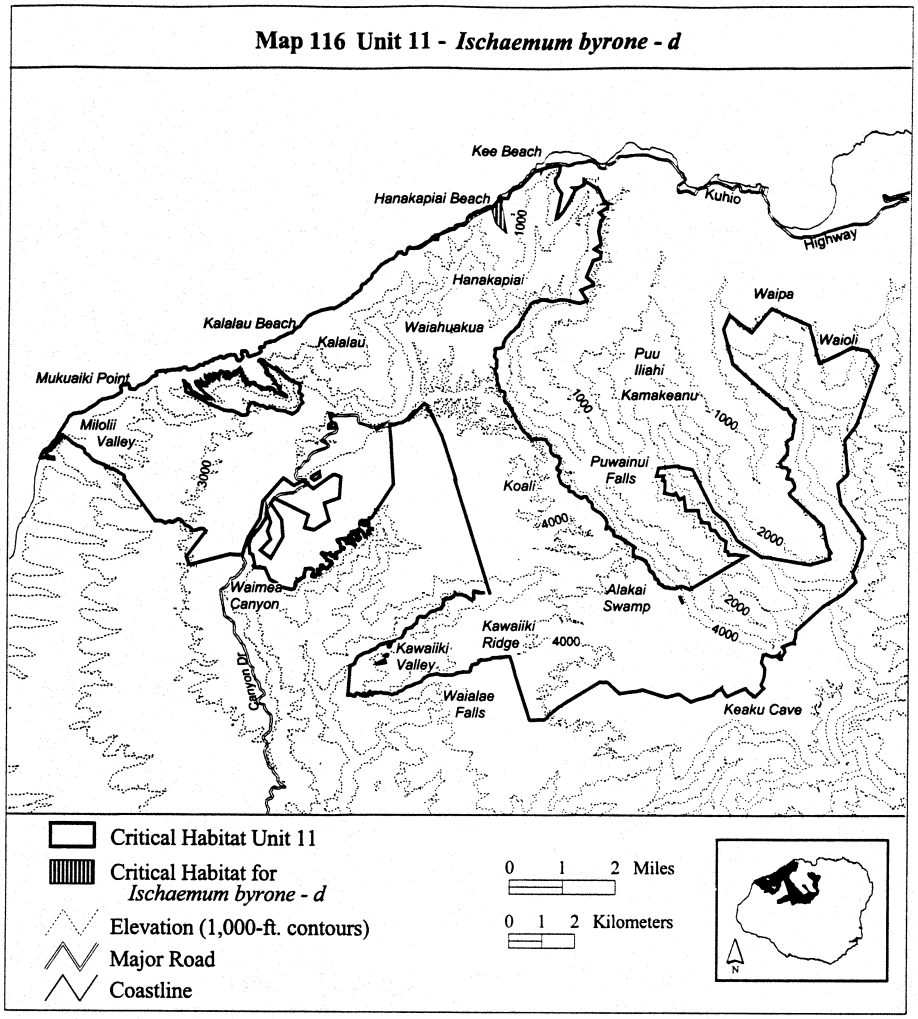
(B) NOTE: Map 115 follows:



(ccx) Kauai 11—*Ischaemum byrone*—d (45 ha; 111 ac)

(A) Unit consists of the following 16 boundary points: coastline; 438535, 2456321; 438601, 2456128; 438762, 2455202; 438425, 2455523; 438279, 2455967; 437712, 2455654; 437482, 2455417; 437305, 2455401; 437190, 2455271; 437106, 2455279; 436707, 2455118; 436684, 2454957; 436524, 2454988; 436179, 2454736; 436046, 2454695; 436030, 2454762; coastline.

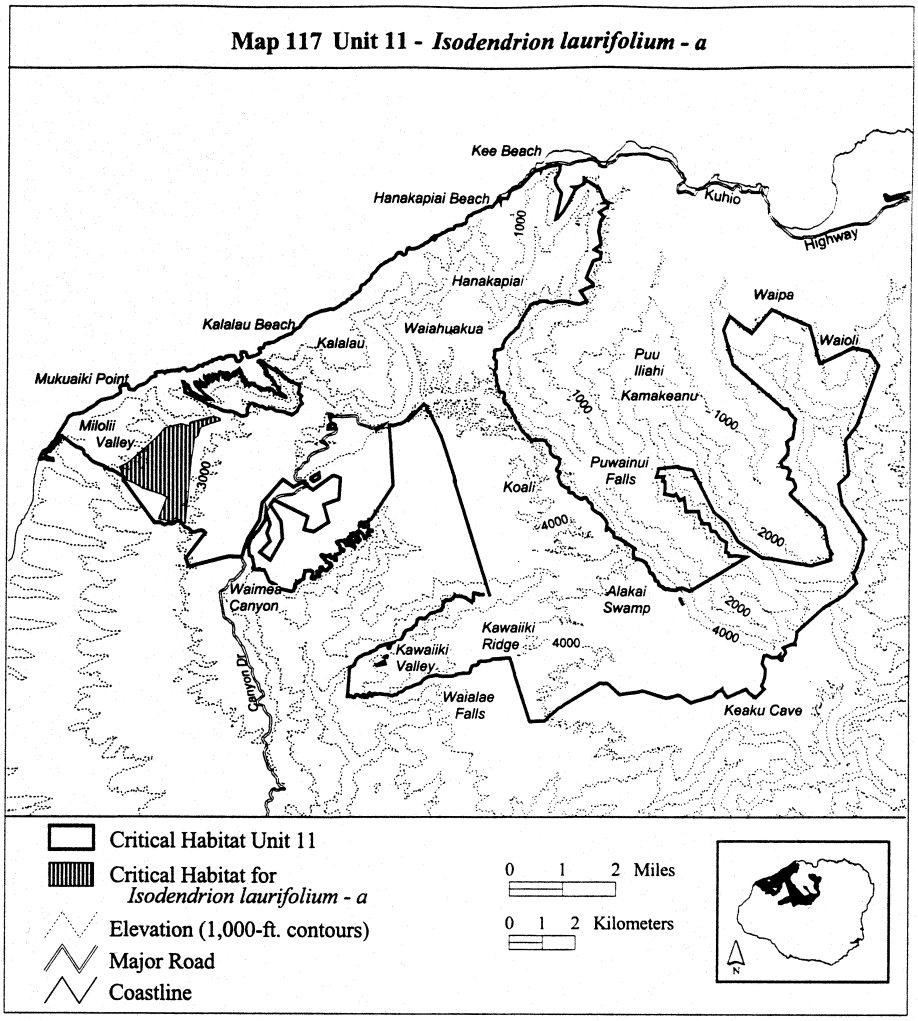
(B) NOTE: Map 116 follows:



(ccxi) Kauai 11—*Isodendrion laurifolium*—a (401 ha; 991 ac)

(A) Unit consists of the following 39 boundary points: Start at 428398, 2449289; 428405, 2449288; 428911, 2449402; 429148, 2449342; 429159, 2449457; 429516, 2449545; 429785, 2449616; 429961, 2449622; 430088, 2449567; 430093, 2449517; 429829, 2449413; 429500, 2449298; 429428, 2449040; 429329, 2448974; 429323, 2448976; 429220, 2448345; 429046, 2446402; 428972, 2446421; 428904, 2446474; 428793, 2446542; 428740, 2446564; 428655, 2446474; 428632, 2446462; 428222, 2446540; 428481, 2447196; 428330, 2447269; 427752, 2447450; 427517, 2447597; 427171, 2447746; 427175, 2447754; 427176, 2447775; 427171, 2447800; 427160, 2447815; 427131, 2447833; 427028, 2448086; 427253, 2448194; 427464, 2448370; 427811, 2448673; 428207, 2449040; return to starting point.

(B) NOTE: Map 117 follows:

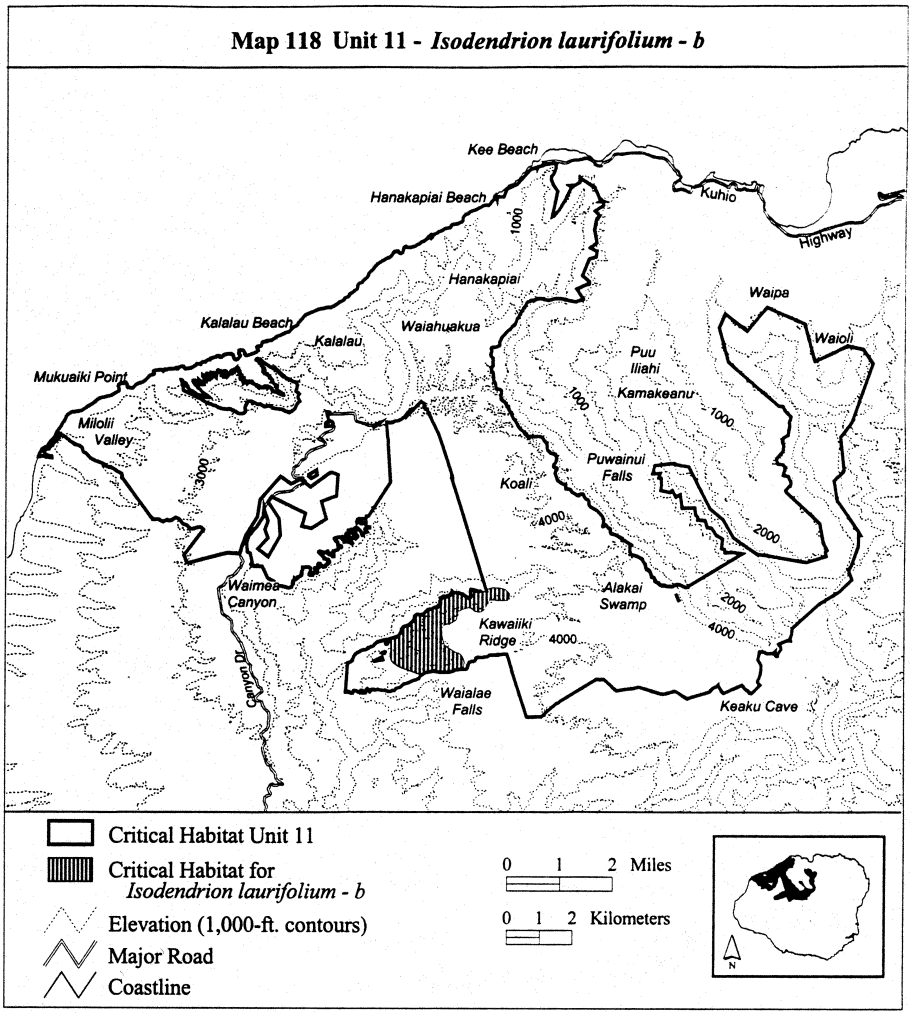


(ccxii) Kauai 11—*Isodendrion laurifolium*—b (400 ha; 988 ac)

(A) Unit consists of the following 320 boundary points: Start at 439006, 2444193; 438997, 2444039; 438903, 2443983; 438775, 2443979; 438637, 2443979; 438509, 2444013; 438402, 2443987; 438346, 2443863; 438269, 2443722; 438175, 2443641; 438098, 2443628; 437961, 2443649; 437871, 2443726; 437815, 2443769; 437772, 2443769; 437614, 2443714; 437438, 2443645; 437421, 2443559; 437412, 2443448; 437391, 2443384; 437228, 2443294; 437009, 2443230; 436941, 2443114; 436949, 2443011; 436962, 2442891; 436988, 2442758; 437031, 2442613; 437146, 2442527; 437356, 2442407; 437494, 2442356; 437569, 2442295; 437605, 2442210; 437648, 2442107; 437613, 2441906; 437601, 2441867; 437566, 2441876; 437532, 2441880; 437522, 2441879; 437495, 2441869; 437460, 2441862; 437391, 2441858; 437366, 2441852; 437346, 2441845; 437332, 2441842; 437317, 2441835; 437287, 2441816; 437274, 2441809; 437240, 2441796; 437224, 2441791; 437181, 2441781; 437150, 2441777; 437111, 2441777; 437096, 2441779; 437062, 2441776; 437008, 2441775; 436960,

2441776; 436912, 2441780; 436895, 2441784; 436825, 2441795; 436799, 2441801; 436777, 2441809; 436730, 2441820; 436695, 2441811; 436666, 2441808; 436638, 2441803; 436618, 2441796; 436593, 2441792; 436583, 2441789; 436541, 2441785; 436492, 2441773; 436453, 2441759; 436419, 2441739; 436408, 2441737; 436374, 2441718; 436362, 2441711; 436277, 2441726; 435977, 2441829; 435771, 2441906; 435621, 2441970; 435488, 2442048; 435398, 2442150; 435364, 2442279; 435368, 2442352; 435394, 2442442; 435390, 2442519; 435390, 2442630; 435386, 2442776; 435382, 2442812; 435391, 2442814; 435415, 2442819; 435435, 2442826; 435454, 2442831; 435476, 2442838; 435496, 2442844; 435516, 2442850; 435530, 2442853; 435534, 2442855; 435543, 2442858; 435556, 2442862; 435571, 2442867; 435585, 2442876; 435598, 2442885; 435608, 2442891; 435619, 2442899; 435627, 2442904; 435642, 2442920; 435658, 2442932; 435668, 2442948; 435673, 2442959; 435681, 2442977; 435688, 2442995; 435693, 2443006; 435698, 2443024; 435704, 2443036; 435708, 2443047; 435715, 2443064; 435722, 2443078; 435725, 2443086; 435729, 2443093; 435735, 2443103; 435738, 2443112; 435743, 2443127; 435749, 2443138; 435753, 2443149; 435757, 2443155; 435766, 2443169; 435778, 2443179; 435790, 2443186; 435804, 2443188; 435821, 2443194; 435842, 2443199; 435861, 2443202; 435874, 2443204; 435889, 2443208; 435904, 2443211; 435933, 2443223; 435942, 2443232; 435949, 2443246; 435958, 2443255; 435969, 2443263; 435979, 2443271; 435993, 2443281; 436010, 2443297; 436032, 2443316; 436048, 2443332; 436064, 2443343; 436080, 2443358; 436089, 2443375; 436095, 2443390; 436100, 2443403; 436107, 2443421; 436113, 2443456; 436118, 2443477; 436123, 2443502; 436134, 2443520; 436146, 2443534; 436160, 2443543; 436175, 2443554; 436190, 2443560; 436213, 2443563; 436227, 2443563; 436240, 2443562; 436254, 2443557; 436265, 2443552; 436274, 2443547; 436287, 2443540; 436300, 2443537; 436315, 2443532; 436328, 2443529; 436337, 2443528; 436348, 2443531; 436357, 2443536; 436369, 2443546; 436380, 2443558; 436392, 2443572; 436403, 2443585; 436421, 2443611; 436438, 2443631; 436460, 2443655; 436478, 2443676; 436497, 2443688; 436518, 2443696; 436534, 2443700; 436558, 2443707; 436576, 2443711; 436597, 2443714; 436611, 2443716; 436630, 2443718; 436644, 2443720; 436655, 2443724; 436666, 2443731; 436678, 2443742; 436697, 2443756; 436708, 2443763; 436726, 2443769; 436745, 2443772; 436758, 2443775; 436771, 2443776; 436788, 2443776; 436799, 2443778; 436808, 2443781; 436818, 2443785; 436823, 2443786; 436829, 2443790; 436837, 2443797; 436841, 2443801; 436845, 2443807; 436852, 2443819; 436861, 2443831; 436870, 2443847; 436882, 2443863; 436890, 2443877; 436900, 2443900; 436911, 2443923; 436914, 2443936; 436914, 2443948; 436913, 2443962; 436910, 2443981; 436908, 2443995; 436908, 2444013; 436911, 2444027; 436918, 2444040; 436926, 2444047; 436933, 2444055; 436942, 2444065; 436951, 2444073; 436961, 2444084; 436969, 2444094; 436975, 2444098; 436983, 2444102; 436994, 2444107; 437009, 2444108; 437026, 2444105; 437049, 2444100; 437067, 2444092; 437076, 2444089; 437106, 2444090; 437119, 2444096; 437128, 2444104; 437133, 2444112; 437137, 2444122; 437144, 2444130; 437156, 2444135; 437169, 2444141; 437183, 2444150; 437191, 2444154; 437202, 2444165; 437212, 2444177; 437228, 2444198; 437239, 2444213; 437245, 2444227; 437254, 2444239; 437263, 2444246; 437278, 2444240; 437294, 2444234; 437310, 2444225; 437332, 2444217; 437351, 2444217; 437370, 2444223; 437391, 2444223; 437412, 2444226; 437428, 2444226; 437445, 2444223; 437462, 2444219; 437482, 2444211; 437497, 2444205; 437541, 2444190; 437563, 2444183; 437578, 2444179; 437593, 2444170; 437610, 2444160; 437624, 2444146; 437636, 2444132; 437651, 2444119; 437671, 2444112; 437691, 2444102; 437703, 2444093; 437722, 2444082; 437732, 2444069; 437749, 2444061; 437758, 2444058; 437768, 2444060; 437780, 2444066; 437810, 2444080; 437821, 2444088; 437831, 2444100; 437833, 2444111; 437835, 2444126; 437833, 2444139; 437827, 2444163; 437822, 2444185; 437820, 2444206; 437818, 2444236; 437824, 2444265; 437828, 2444292; 437836, 2444314; 437843, 2444322; 437854, 2444327; 437871, 2444328; 437887, 2444323; 437909, 2444314; 437933, 2444302; 437960, 2444289; 437984, 2444274; 438007, 2444260; 438028, 2444258; 438048, 2444258; 438072, 2444260; 438087, 2444266; 438109, 2444271; 438133, 2444273; 438164, 2444270; 438196, 2444263; 438335, 2444214; 438294, 2444342; 438355, 2444334; 438488, 2444377; 438732, 2444360; 438787, 2444347; 438895, 2444313; return to starting point.

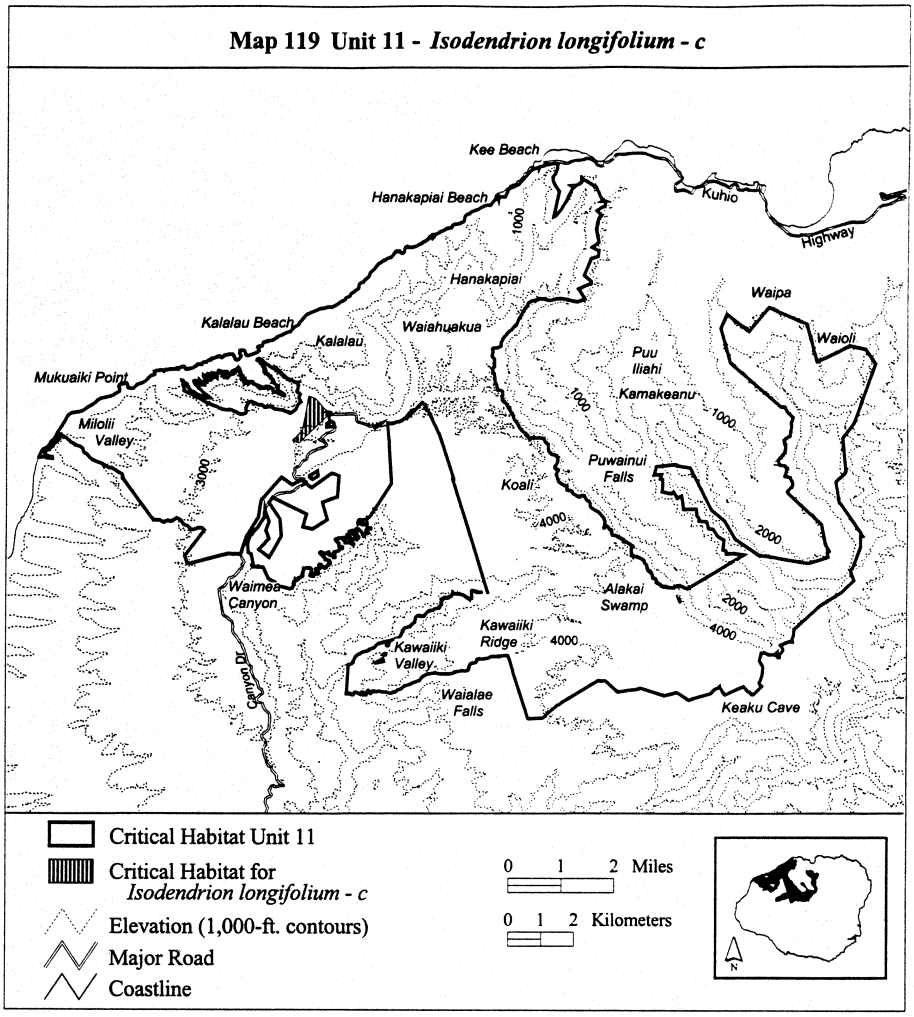
(B) NOTE: Map 118 follows:



(ccxiii) Kauai 11—*Isodendrion longifolium*—c (59 ha; 146 ac)

(A) Unit consists of the following 12 boundary points: Start at 432793, 2450043; 432799, 2450073; 432822, 2450200; 432971, 2450144; 433043, 2450118; 433310, 2449821; 433426, 2449707; 433399, 2449709; 433414, 2449628; 432530, 2448758; 432335, 2448851; 432630, 2449144; return to starting point.

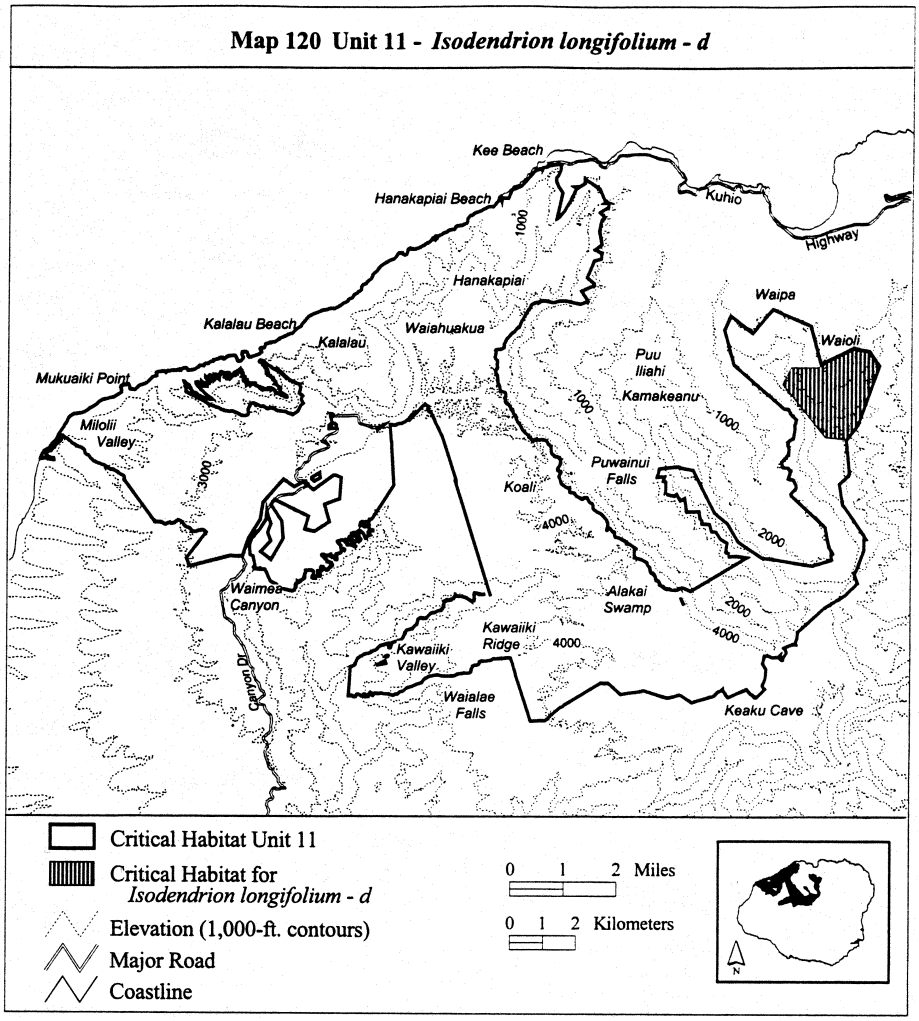
(B) NOTE: Map 119 follows:



(ccxiv) Kauai 11—*Isodendrion longifolium*—d (493 ha; 1,218 ac)

(A) Unit consists of the following 16 boundary points: Start at 449855, 2451511; 450071, 2451219; 449928, 2450811; 449449, 2449480; 449073, 2448969; 449073, 2448966; 448431, 2449017; 447240, 2450530; 447143, 2450657; 447406, 2451160; 447518, 2451166; 448229, 2451166; 448981, 2451592; 449257, 2451734; 449665, 2451685; 449738, 2451669; return to starting point.

(B) NOTE: Map 120 follows:

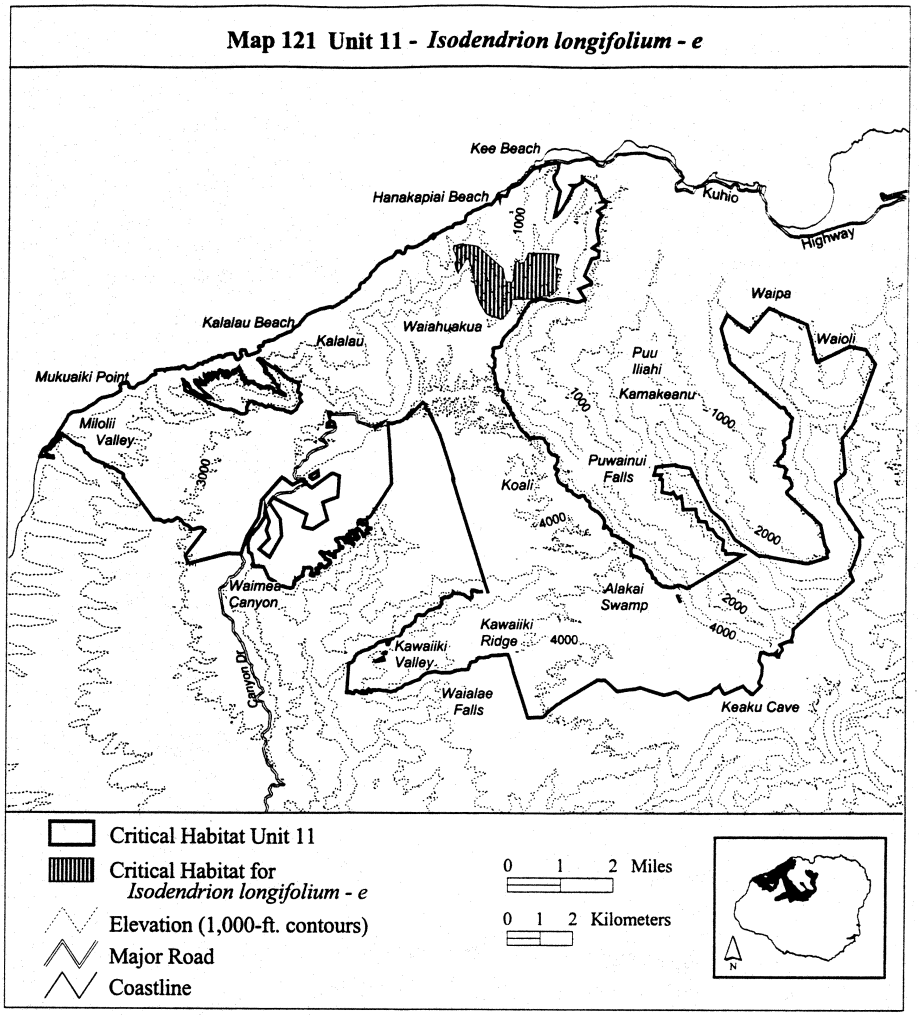


(ccxv) Kauai 11—*Isodendrion longifolium*—e (381 ha; 941 ac)

(A) Unit consists of the following 68 boundary points: Start at 439819, 2453189; 439579, 2453181; 439568, 2453181; 438996, 2453168; 438990, 2453040; 438932, 2452880; 438715, 2452573; 438651, 2452573; 438247, 2452701; 438151, 2452817; 438029, 2453034; 437888, 2453367; 437856, 2453610; 437760, 2454032; 437658, 2454372; 437626, 2454410; 437568, 2454359; 437427, 2454103; 437389, 2454054; 437334, 2453949; 437268, 2454075; 437222, 2454245; 437297, 2454346; 437277, 2454462; 437175, 2454700; 437209, 2454781; 437465, 2454839; 437933, 2454775; 438708, 2454103; 438727, 2453962; 438766, 2453795; 438830, 2453706; 439003, 2453693; 439035, 2453846; 439035, 2454026; 439080, 2454269; 439150, 2454345; 439208, 2454256; 439355, 2454288; 439445, 2454461; 439464, 2454563; 439730, 2454563; 440002, 2454563; 440423, 2454521; 440294, 2454127; 440493, 2454062; 440438, 2453967; 440361, 2453776; 440361, 2453571; 440372, 2453534; 440370, 2453517; 440363, 2453496; 440355, 2453461; 440350, 2453451; 440333, 2453428; 440315, 2453408; 440288, 2453388; 440275, 2453381; 440244, 2453334; 440223, 2453322; 440199,

2453305; 440147, 2453289; 440119, 2453282; 440093, 2453280; 439987, 2453284; 439962, 2453283; 439924, 2453275; 439905, 2453264; return to starting point.

(B) NOTE: Map 121 follows:



(ccxvi) Kauai 11–*Keysseria erici*–b

(A) See paragraph (a)(1)(cxxx)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(cxxx)(B) of this section for the map of this unit.

(ccxvii) Kauai 11–*Keysseria helenae*–b

(A) See paragraph (a)(1)(cxxx)(A) of this section for the textual description of this unit.

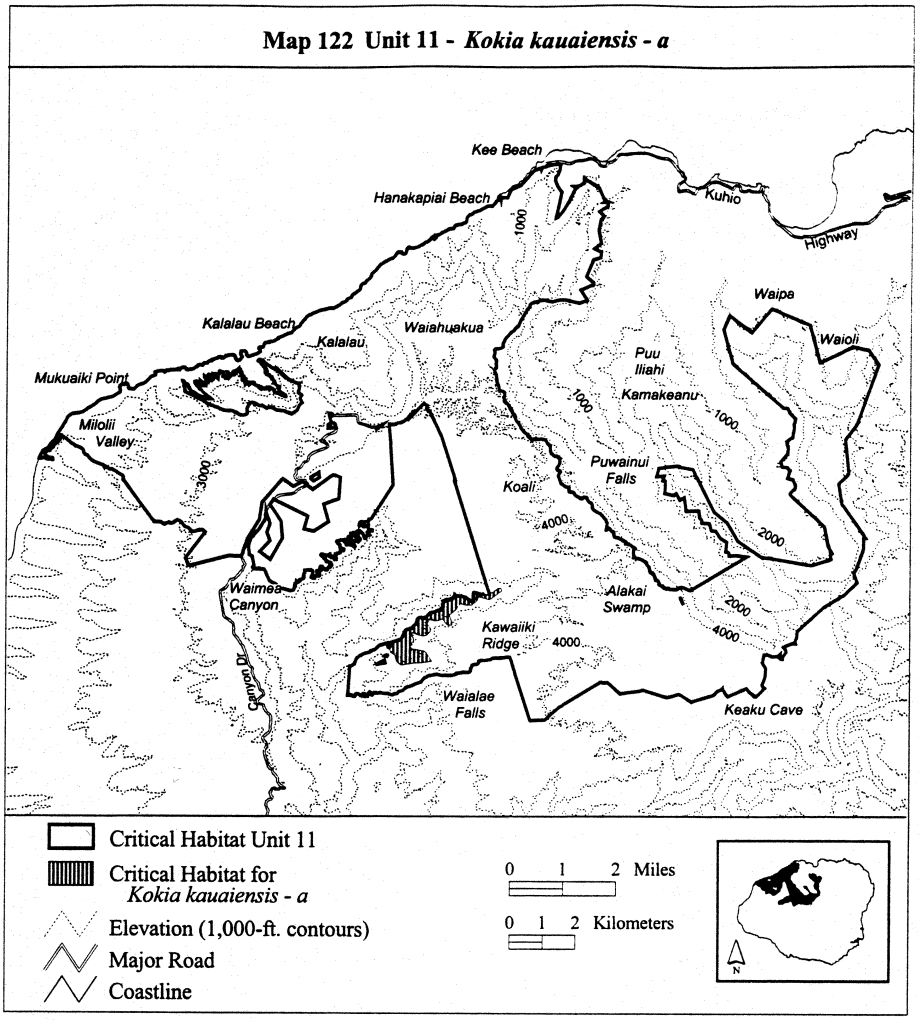
(B) See paragraph (a)(1)(cxxx)(B) of this section for the map of this unit.

(ccxviii) Kauai 11—*Kokia kauaiensis*—a (155 ha; 384 ac)

(A) Unit consists of the following 287 boundary points: Start at 435336,

2442801; 435344, 2442802; 435367, 2442807; 435391, 2442814; 435415, 2442819; 435435, 2442826; 435454, 2442831; 435476, 2442838; 435496, 2442844; 435516, 2442850; 435530, 2442853; 435534, 2442855; 435543, 2442858; 435556, 2442862; 435571, 2442867; 435585, 2442876; 435598, 2442885; 435608, 2442891; 435619, 2442899; 435627, 2442904; 435642, 2442920; 435658, 2442932; 435668, 2442948; 435673, 2442959; 435681, 2442977; 435688, 2442995; 435693, 2443006; 435698, 2443024; 435704, 2443036; 435708, 2443047; 435715, 2443064; 435722, 2443078; 435725, 2443086; 435729, 2443093; 435735, 2443103; 435738, 2443112; 435743, 2443127; 435749, 2443138; 435753, 2443149; 435757, 2443155; 435766, 2443169; 435778, 2443179; 435790, 2443186; 435804, 2443188; 435821, 2443194; 435842, 2443199; 435861, 2443202; 435874, 2443204; 435889, 2443208; 435904, 2443211; 435933, 2443223; 435942, 2443232; 435949, 2443246; 435958, 2443255; 435969, 2443263; 435979, 2443271; 435993, 2443281; 436010, 2443297; 436032, 2443316; 436048, 2443332; 436064, 2443343; 436080, 2443358; 436089, 2443375; 436095, 2443390; 436100, 2443403; 436107, 2443421; 436113, 2443456; 436118, 2443477; 436123, 2443502; 436134, 2443520; 436146, 2443534; 436160, 2443543; 436175, 2443554; 436190, 2443560; 436213, 2443563; 436227, 2443563; 436240, 2443562; 436254, 2443557; 436265, 2443552; 436274, 2443547; 436287, 2443540; 436300, 2443537; 436315, 2443532; 436328, 2443529; 436337, 2443528; 436348, 2443531; 436357, 2443536; 436369, 2443546; 436380, 2443558; 436392, 2443572; 436403, 2443585; 436421, 2443611; 436438, 2443631; 436460, 2443655; 436478, 2443676; 436497, 2443688; 436518, 2443696; 436534, 2443700; 436558, 2443707; 436576, 2443711; 436597, 2443714; 436611, 2443716; 436630, 2443718; 436644, 2443720; 436655, 2443724; 436666, 2443731; 436678, 2443742; 436697, 2443756; 436708, 2443763; 436726, 2443769; 436745, 2443772; 436758, 2443775; 436771, 2443776; 436788, 2443776; 436799, 2443778; 436808, 2443781; 436818, 2443785; 436823, 2443786; 436829, 2443790; 436837, 2443797; 436841, 2443801; 436845, 2443807; 436852, 2443819; 436861, 2443831; 436870, 2443847; 436882, 2443863; 436890, 2443877; 436900, 2443900; 436911, 2443923; 436914, 2443936; 436914, 2443948; 436913, 2443962; 436910, 2443981; 436908, 2443995; 436908, 2444013; 436911, 2444027; 436918, 2444040; 436926, 2444047; 436933, 2444055; 436942, 2444065; 436951, 2444073; 436961, 2444084; 436969, 2444094; 436975, 2444098; 436983, 2444102; 436994, 2444107; 437009, 2444108; 437026, 2444105; 437049, 2444100; 437067, 2444092; 437076, 2444089; 437106, 2444090; 437119, 2444096; 437128, 2444104; 437133, 2444112; 437137, 2444122; 437144, 2444130; 437156, 2444135; 437169, 2444141; 437183, 2444150; 437191, 2444154; 437202, 2444165; 437212, 2444177; 437228, 2444198; 437239, 2444213; 437245, 2444227; 437254, 2444239; 437263, 2444246; 437278, 2444240; 437294, 2444234; 437310, 2444225; 437332, 2444217; 437351, 2444217; 437370, 2444223; 437391, 2444223; 437412, 2444226; 437428, 2444226; 437445, 2444223; 437462, 2444219; 437482, 2444211; 437497, 2444205; 437541, 2444190; 437563, 2444183; 437578, 2444179; 437593, 2444170; 437610, 2444160; 437624, 2444146; 437636, 2444132; 437651, 2444119; 437671, 2444112; 437691, 2444102; 437703, 2444093; 437722, 2444082; 437732, 2444069; 437749, 2444061; 437758, 2444058; 437768, 2444060; 437780, 2444066; 437810, 2444080; 437821, 2444088; 437831, 2444100; 437833, 2444111; 437835, 2444126; 437833, 2444139; 437827, 2444163; 437822, 2444185; 437820, 2444206; 437818, 2444236; 437824, 2444265; 437828, 2444292; 437836, 2444314; 437843, 2444322; 437854, 2444327; 437871, 2444328; 437887, 2444323; 437909, 2444314; 437933, 2444302; 437960, 2444289; 437984, 2444274; 438007, 2444260; 438028, 2444258; 438048, 2444258; 438072, 2444260; 438087, 2444266; 438109, 2444271; 438133, 2444273; 438164, 2444270; 438196, 2444263; 438335, 2444214; 438301, 2444319; 438397, 2444313; 438592, 2444451; 438657, 2444444; 438672, 2444357; 438317, 2444096; 438078, 2444169; 437969, 2444183; 437940, 2444089; 437897, 2444038; 437759, 2443930; 437658, 2443937; 437505, 2443959; 437433, 2443973; 437310, 2443806; 437194, 2443712; 437092, 2443618; 437136, 2443502; 437179, 2443386; 437165, 2443328; 437056, 2443328; 436969, 2443401; 436933, 2443437; 436911, 2443517; 436730, 2443459; 436643, 2443452; 436513, 2443510; 436433, 2443372; 436428, 2443340; 436447, 2443339; 436521, 2443215; 436516, 2443118; 436436, 2443037; 436319, 2442983; 436198, 2443018; 436044, 2443075; 435968, 2443092; 435954, 2443025; 436027, 2442845; 435961, 2442776; 435920, 2442719; 435916, 2442648; 435965, 2442591; 436089, 2442570; 436229, 2442546; 436345, 2442534; 436417, 2442451; 436557, 2442214; 436200, 2442166; 436089, 2442159; 435837, 2442138; 435657, 2442104; 435578, 2442135; 435488, 2442216; 435441, 2442399; 435320, 2442501; 435244, 2442641; 435284, 2442631; return to starting point.

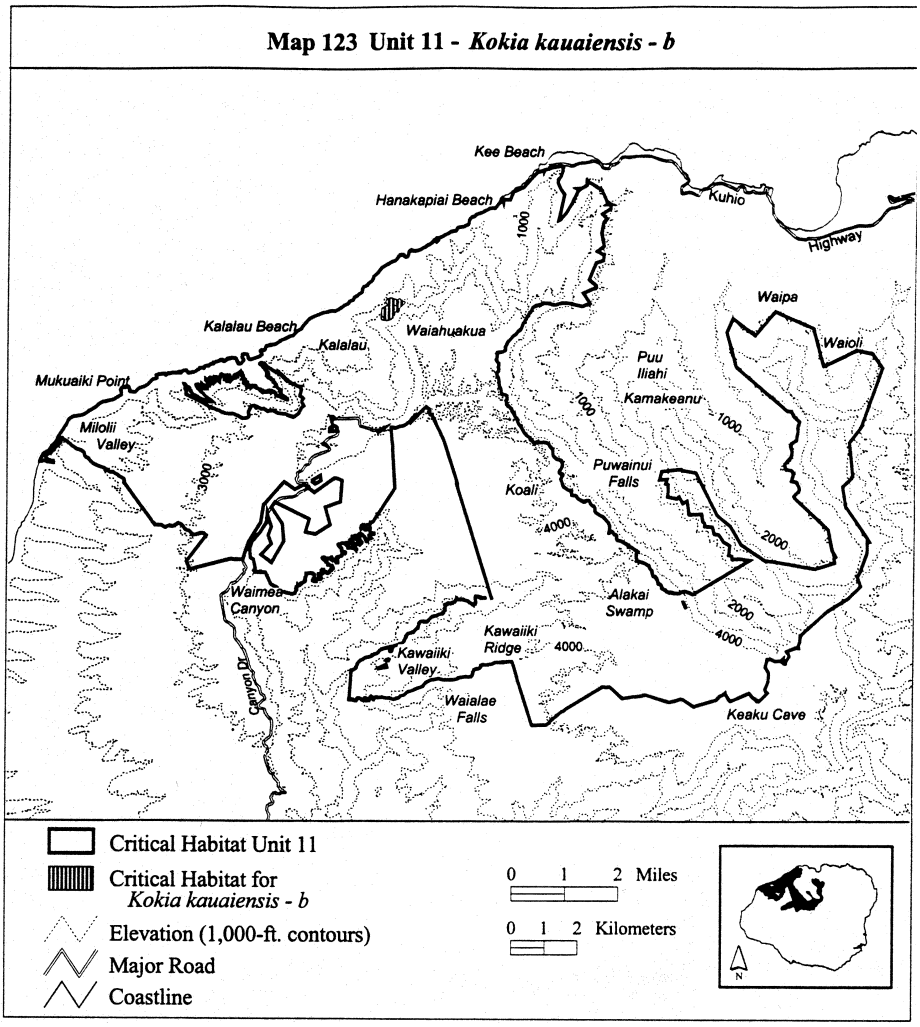
(B) NOTE: Map 122 follows:



(ccxix) Kauai 11—*Kokia kauaiensis*—b (30 ha; 74 ac)

(A) Unit consists of the following 54 boundary points: Start at 435047, 2453176; 435038, 2453207; 435043, 2453230; 435058, 2453257; 435101, 2453291; 435145, 2453300; 435165, 2453304; 435176, 2453317; 435166, 2453322; 435166, 2453344; 435180, 2453345; 435202, 2453340; 435247, 2453319; 435294, 2453296; 435330, 2453290; 435354, 2453284; 435385, 2453266; 435395, 2453260; 435412, 2453266; 435433, 2453285; 435451, 2453304; 435463, 2453300; 435533, 2453250; 435651, 2453203; 435601, 2453135; 435551, 2453094; 435476, 2453038; 435457, 2452994; 435458, 2452931; 435428, 2452886; 435384, 2452889; 435354, 2452910; 435334, 2452903; 435320, 2452860; 435308, 2452793; 435265, 2452778; 435249, 2452760; 435231, 2452714; 435212, 2452666; 435180, 2452651; 435149, 2452645; 435048, 2452639; 434944, 2452655; 434906, 2452674; 434899, 2452697; 434904, 2452924; 434927, 2453016; 434958, 2453016; 435012, 2453066; 435029, 2453085; 435052, 2453083; 435086, 2453084; 435092, 2453120; 435071, 2453148; return to starting point.

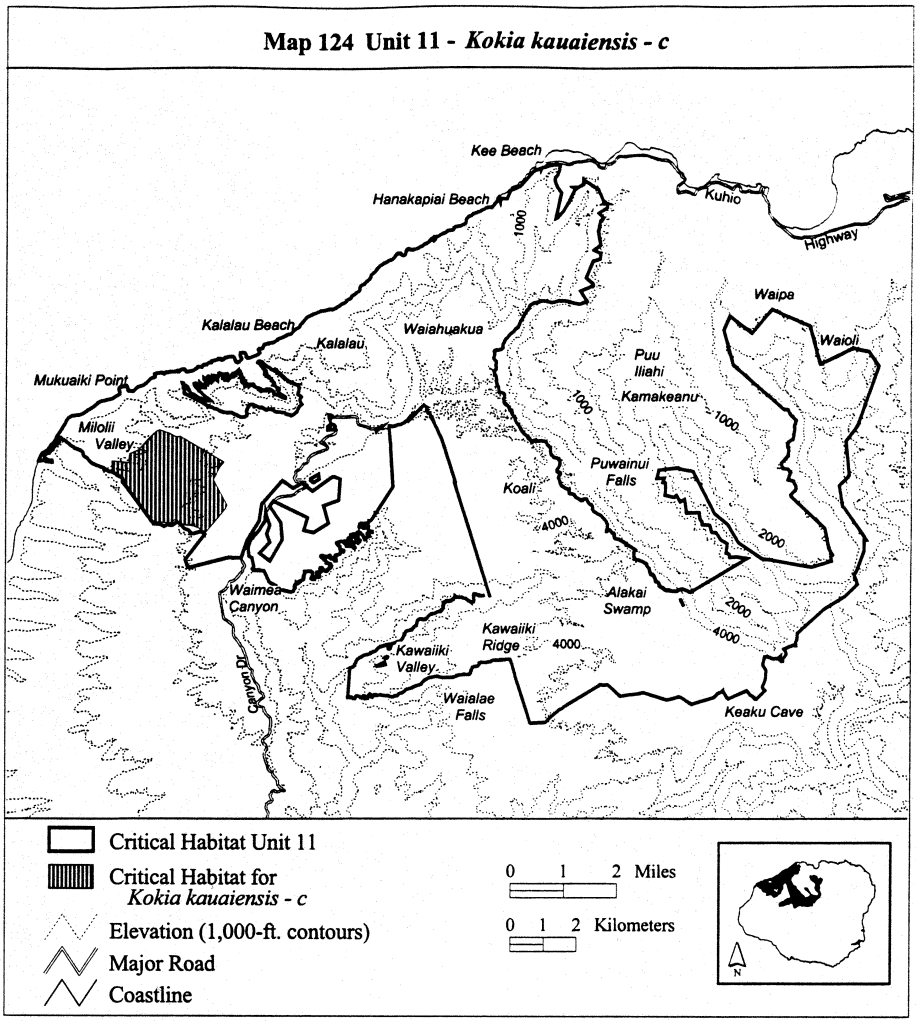
(B) NOTE: Map 123 follows:



(ccxx) Kauai 11—*Kokia kauaiensis*—c (667 ha; 1,647 ac)

(A) Unit consists of the following 43 boundary points: Start at 426834, 2447995; 426824, 2448315; 427350, 2448274; 427355, 2448413; 427360, 2448542; 427618, 2448645; 427973, 2449036; 428190, 2449221; 428282, 2449268; 428566, 2449160; 428787, 2449046; 428885, 2449062; 428912, 2449075; 430225, 2448294; 430075, 2448099; 429914, 2447762; 430322, 2447000; 430283, 2446894; 429631, 2446128; 429468, 2446319; 429267, 2446382; 429075, 2446396; 428941, 2446434; 428749, 2446569; 428619, 2446458; 428049, 2446487; 427178, 2447664; 427161, 2447669; 427157, 2447676; 427157, 2447711; 427175, 2447754; 427176, 2447775; 427171, 2447800; 427160, 2447815; 427124, 2447837; 427084, 2447847; 427039, 2447867; 426997, 2447892; 426981, 2447902; 426958, 2447923; 426944, 2447941; 426907, 2447965; 426847, 2447992; return to starting point.

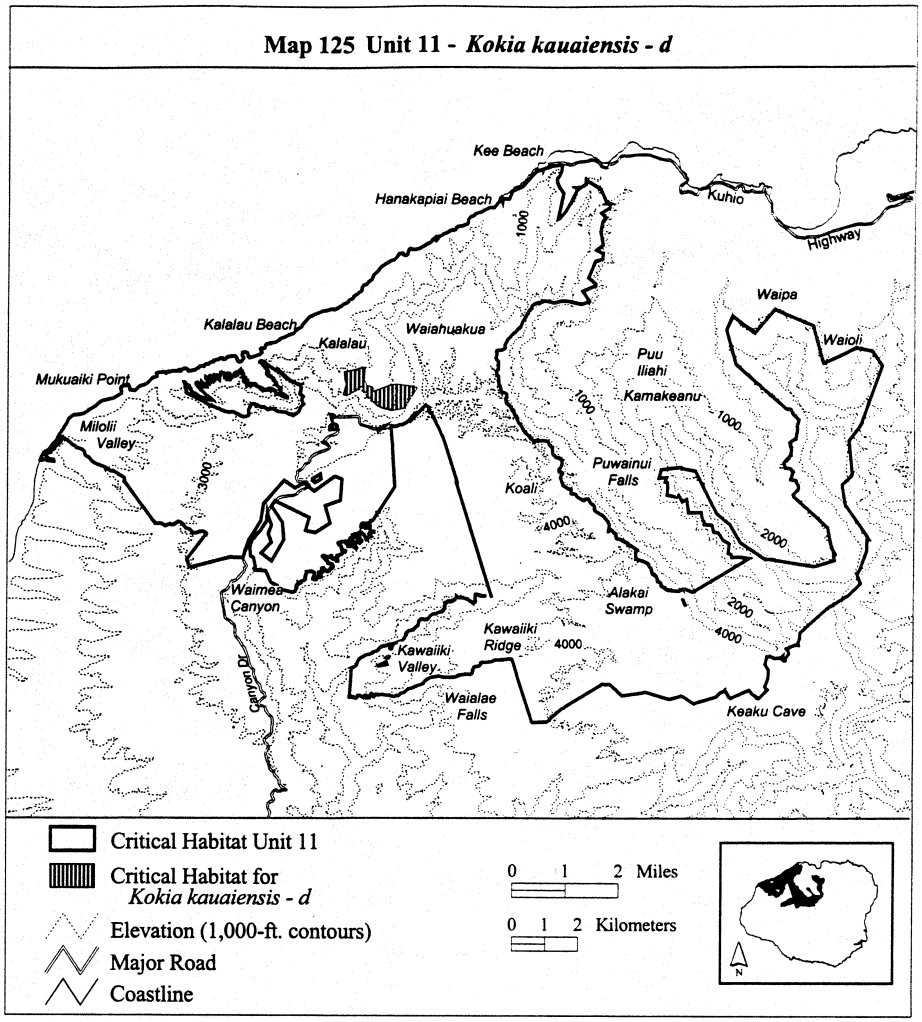
(B) NOTE: Map 124 follows:



(ccxxi) Kauai 11—*Kokia kauaiensis*—d (126 ha; 312 ac)

(A) Unit consists of the following 39 boundary points: Start at 433942, 2450326; 433919, 2450316; 433897, 2450291; 433798, 2450316; 433790, 2450354; 433815, 2450483; 433861, 2450632; 433808, 2450794; 433798, 2451025; 434439, 2451161; 434407, 2450754; 434451, 2450695; 434487, 2450604; 434546, 2450588; 434662, 2450569; 434676, 2450537; 434681, 2450418; 435237, 2450644; 435423, 2450648; 435669, 2450630; 435811, 2450601; 436011, 2450551; 436007, 2450518; 435652, 2449941; 435563, 2449909; 435229, 2449844; 434917, 2449931; 434795, 2450008; 434633, 2450148; 434626, 2450212; 434566, 2450245; 434481, 2450245; 434512, 2450334; 434526, 2450381; 434443, 2450405; 434392, 2450424; 434382, 2450448; 434359, 2450589; 434355, 2450584; return to starting point.

(B) NOTE: Map 125 follows:



(ccxxii) Kauai 11–*Labordia helleri*–d

(A) See paragraph (a)(1)(cxxx)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(cxxx)(B) of this section for the map of this unit.

(ccxxiii) Kauai 11–*Labordia helleri*–e

(A) See paragraph (a)(1)(cxxxiii)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(cxxxiii)(B) of this section for the map of this unit.

(ccxxiv) Kauai 11–*Labordia helleri*–f

(A) See paragraph (a)(1)(cxl)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(cxl)(B) of this section for the map of this unit.

(ccxxv) Kauai 11–*Labordia helleri*–g

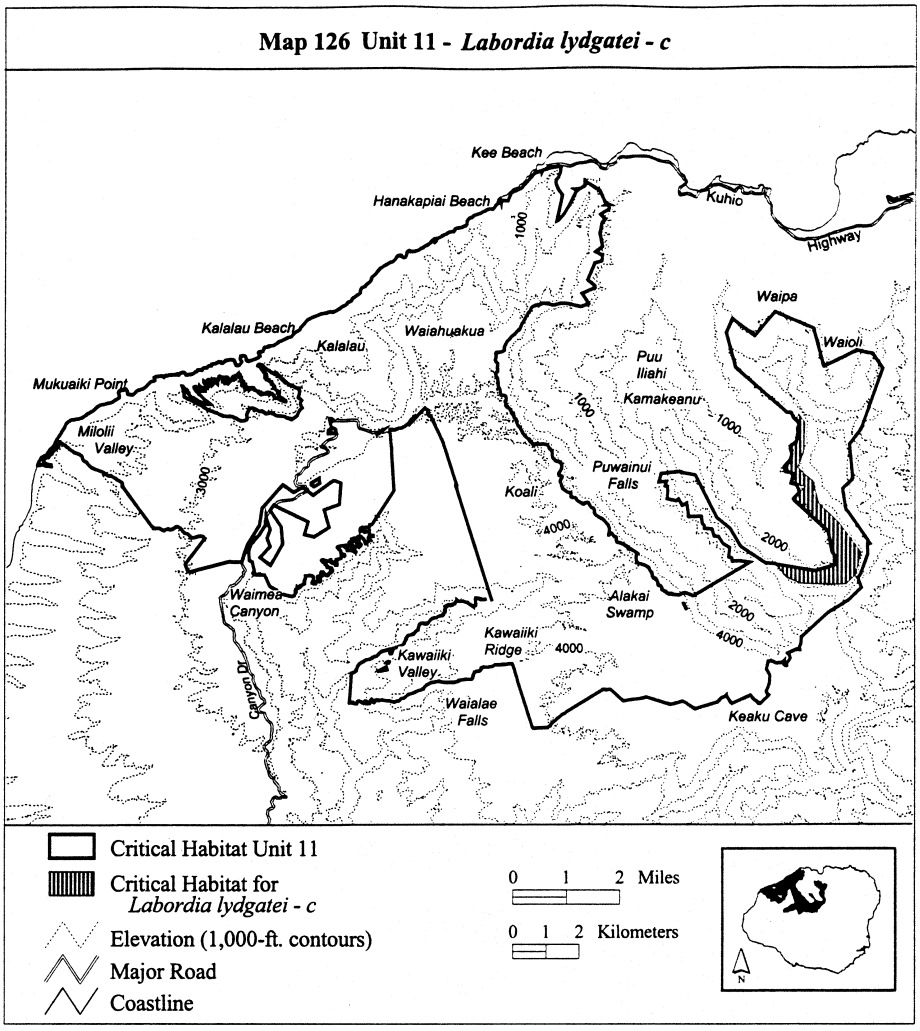
(A) See paragraph (a)(1)(cxlvi)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(cxlvi)(B) of this section for the map of this unit.

(ccxxvi) Kauai 11—*Labordia lydgatei*—c (325 ha; 803 ac)

(A) Unit consists of the following 37 boundary points: Start at 447594, 2447520; 447758, 2447683; 447472, 2447746; 447323, 2447780; 447420, 2448093; 447153, 2448108; 447107, 2448255; 447371, 2448552; 447293, 2448807; 447329, 2448906; 447468, 2449010; 447589, 2449589; 447461, 2449701; 447554, 2449852; 447733, 2449589; 447709, 2448696; 447516, 2448238; 447673, 2448097; 447975, 2447828; 448168, 2447176; 448240, 2447107; 448748, 2446621; 449448, 2445704; 449279, 2445028; 448989, 2444738; 448289, 2444739; 447637, 2444763; 447202, 2444956; 446885, 2445349; 448070, 2445147; 448658, 2445334; 448629, 2445470; 448699, 2445511; 448577, 2445718; 448450, 2446319; 447413, 2447271; 447397, 2447323; return to starting point.

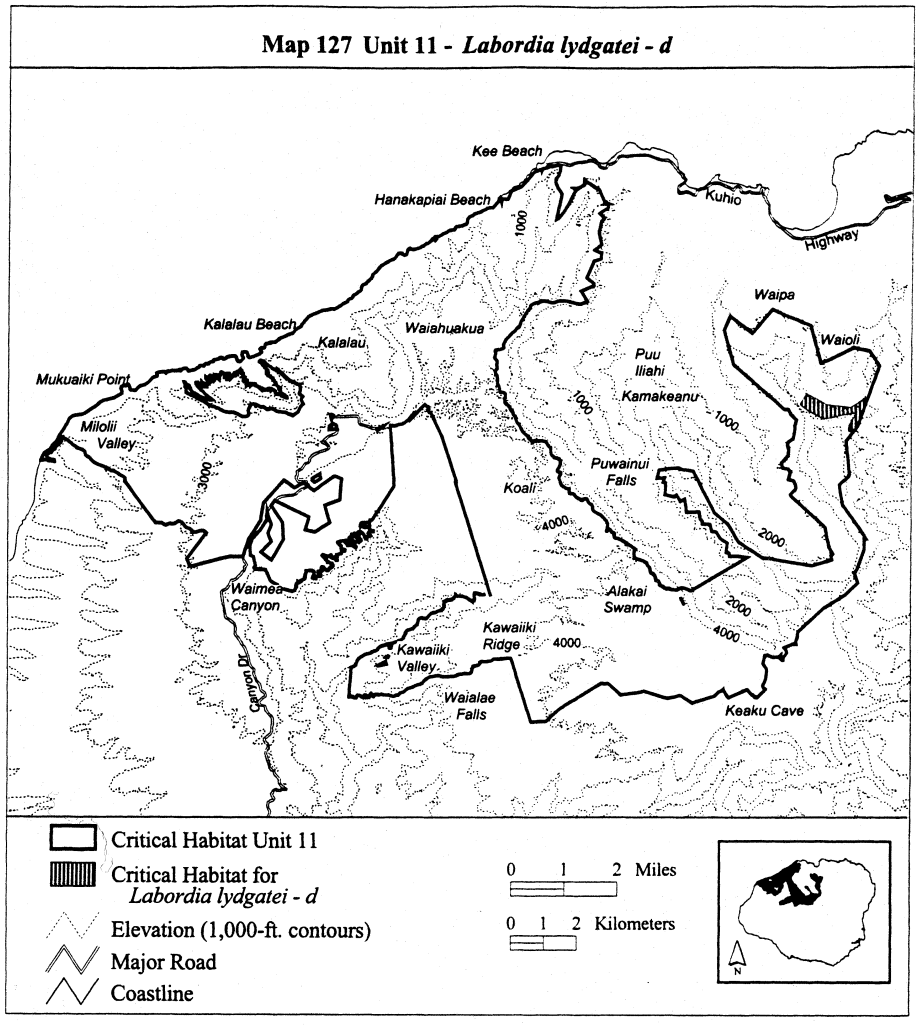
(B) NOTE: Map 126 follows:



(ccxxvii) Kauai 11—*Labordia lydgatei*—d (82 ha; 203 ac)

(A) Unit consists of the following 18 boundary points: Start at 447872, 2450364; 448482, 2450047; 449119, 2449962; 449207, 2449950; 449624, 2450214; 449665, 2450240; 449712, 2450194; 449432, 2449395; 449310, 2449234; 449214, 2449211; 449158, 2449396; 449395, 2449797; 449400, 2449806; 449060, 2449740; 448772, 2449685; 448385, 2449589; 447902, 2449855; 447675, 2450047; return to starting point.

(B) NOTE: Map 127 follows:

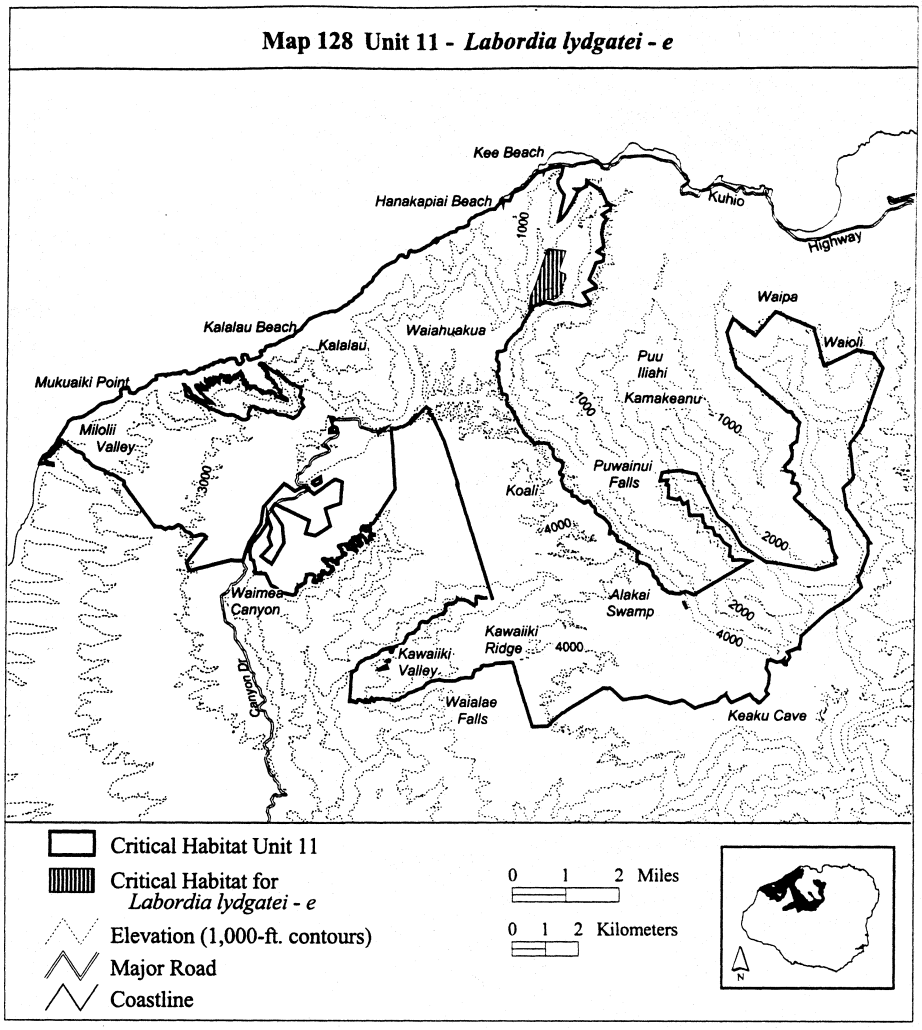


(ccxxviii) Kauai 11—*Labordia lydgatei*—e (117 ha; 290 ac)

(A) Unit consists of the following 54 boundary points: Start at 439373, 2452840; 439379, 2452900; 439425, 2453389; 439571, 2453718; 439601, 2453807; 439697, 2454089; 439714, 2454139; 439933, 2454779; 439960, 2454816; 440497, 2454749; 440294,

2454127; 440499, 2454060; 440485, 2453995; 440492, 2453950; 440484, 2453922; 440461, 2453865; 440450, 2453851; 440432, 2453815; 440421, 2453780; 440412, 2453745; 440410, 2453716; 440404, 2453694; 440384, 2453655; 440378, 2453623; 440380, 2453590; 440370, 2453517; 440363, 2453496; 440355, 2453461; 440350, 2453451; 440333, 2453428; 440315, 2453408; 440288, 2453388; 440275, 2453381; 440244, 2453334; 440223, 2453322; 440199, 2453305; 440147, 2453289; 440119, 2453282; 440093, 2453280; 439987, 2453284; 439962, 2453283; 439924, 2453275; 439905, 2453264; 439787, 2453162; 439724, 2453135; 439639, 2453119; 439600, 2453107; 439553, 2453082; 439503, 2453046; 439481, 2453022; 439473, 2452985; 439464, 2452963; 439414, 2452909; 439390, 2452876; return to starting point.

(B) NOTE: Map 128 follows:



(ccxxix) Kauai 11–*Labordia pumila*–b

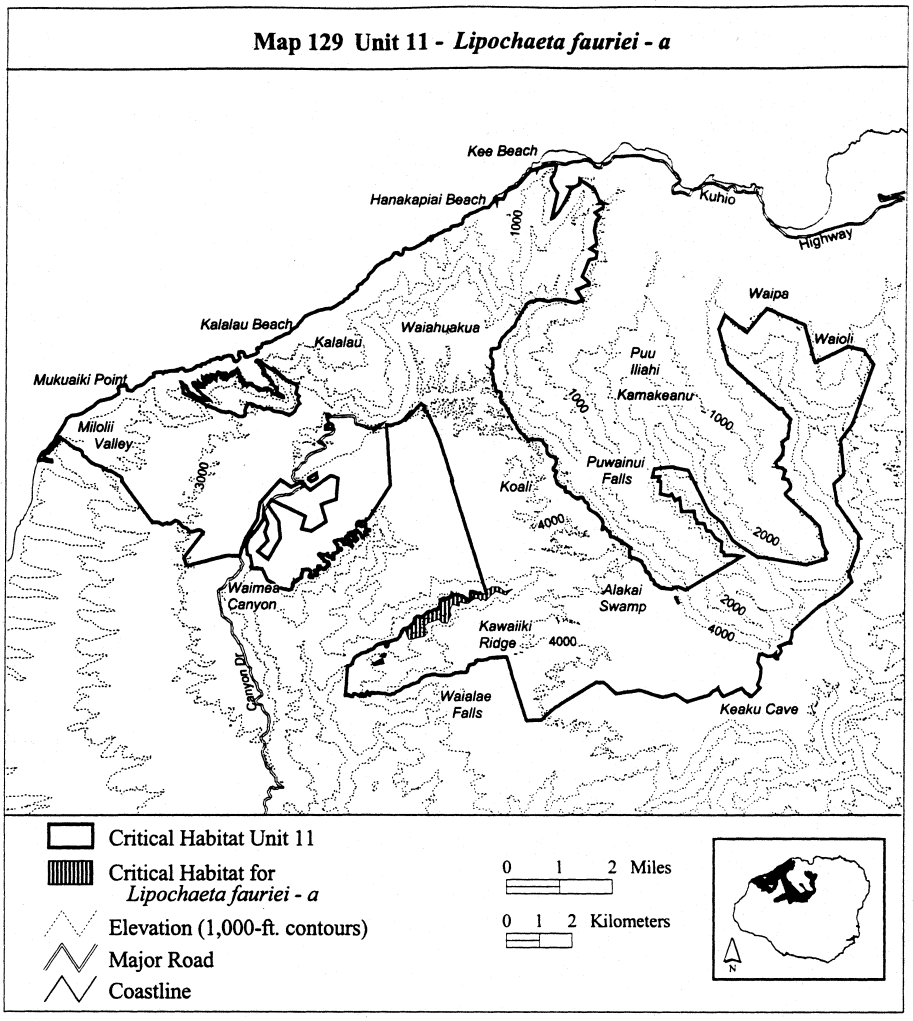
(A) See paragraph (a)(1)(cxxx)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(cxxx)(B) of this section for the map of this unit.

(ccxxx) Kauai 11—*Lipochaeta fauriei*—a (106 ha; 262 ac)

(A) Unit consists of the following 221 boundary points: Start at 438277, 2444393; 438400, 2444405; 438465, 2444470; 438698, 2444457; 438880, 2444314; 439087, 2444392; 438906, 2444224; 438607, 2444328; 438374, 2444120; 438296, 2444042; 438205, 2444094; 438153, 2444042; 438063, 2444107; 437959, 2444094; 437738, 2443939; 437492, 2444004; 437492, 2443874; 437271, 2443926; 437206, 2443731; 437245, 2443576; 437168, 2443472; 437129, 2443355; 436973, 2443368; 436869, 2443472; 436545, 2443368; 436428, 2443265; 436532, 2443070; 436454, 2442966; 436363, 2442940; 436221, 2442927; 436182, 2442914; 435948, 2442863; 435883, 2442979; 435812, 2443191; 435821, 2443194; 435842, 2443199; 435861, 2443202; 435874, 2443204; 435889, 2443208; 435904, 2443211; 435933, 2443223; 435942, 2443232; 435949, 2443246; 435958, 2443255; 435969, 2443263; 435979, 2443271; 435993, 2443281; 436010, 2443297; 436032, 2443316; 436048, 2443332; 436064, 2443343; 436080, 2443358; 436089, 2443375; 436095, 2443390; 436100, 2443403; 436107, 2443421; 436113, 2443456; 436118, 2443477; 436123, 2443502; 436134, 2443520; 436146, 2443534; 436160, 2443543; 436175, 2443554; 436190, 2443560; 436213, 2443563; 436227, 2443563; 436240, 2443562; 436254, 2443557; 436265, 2443552; 436274, 2443547; 436287, 2443540; 436300, 2443537; 436315, 2443532; 436328, 2443529; 436337, 2443528; 436348, 2443531; 436357, 2443536; 436369, 2443546; 436380, 2443558; 436392, 2443572; 436403, 2443585; 436421, 2443611; 436438, 2443631; 436460, 2443655; 436478, 2443676; 436497, 2443688; 436518, 2443696; 436534, 2443700; 436558, 2443707; 436576, 2443711; 436597, 2443714; 436611, 2443716; 436630, 2443718; 436644, 2443720; 436655, 2443724; 436666, 2443731; 436678, 2443742; 436697, 2443756; 436708, 2443763; 436726, 2443769; 436745, 2443772; 436758, 2443775; 436771, 2443776; 436788, 2443776; 436799, 2443778; 436808, 2443781; 436818, 2443785; 436823, 2443786; 436829, 2443790; 436837, 2443797; 436841, 2443801; 436845, 2443807; 436852, 2443819; 436861, 2443831; 436870, 2443847; 436882, 2443863; 436890, 2443877; 436900, 2443900; 436911, 2443923; 436914, 2443936; 436914, 2443948; 436914, 2443952; 436916, 2443955; 436913, 2443964; 436910, 2443981; 436908, 2443995; 436908, 2444013; 436911, 2444027; 436918, 2444040; 436926, 2444047; 436933, 2444055; 436942, 2444065; 436951, 2444073; 436961, 2444084; 436969, 2444094; 436975, 2444098; 436983, 2444102; 436994, 2444107; 437009, 2444108; 437026, 2444105; 437049, 2444100; 437067, 2444092; 437076, 2444089; 437106, 2444090; 437119, 2444096; 437128, 2444104; 437133, 2444112; 437137, 2444122; 437144, 2444130; 437156, 2444135; 437169, 2444141; 437183, 2444150; 437191, 2444154; 437202, 2444165; 437212, 2444177; 437228, 2444198; 437239, 2444213; 437245, 2444227; 437254, 2444239; 437263, 2444246; 437278, 2444240; 437294, 2444234; 437310, 2444225; 437332, 2444217; 437351, 2444217; 437370, 2444223; 437391, 2444223; 437412, 2444226; 437428, 2444226; 437445, 2444223; 437462, 2444219; 437482, 2444211; 437497, 2444205; 437541, 2444190; 437563, 2444183; 437578, 2444179; 437593, 2444170; 437610, 2444160; 437624, 2444146; 437636, 2444132; 437651, 2444119; 437671, 2444112; 437691, 2444102; 437703, 2444093; 437722, 2444082; 437732, 2444069; 437749, 2444061; 437758, 2444058; 437768, 2444060; 437780, 2444066; 437810, 2444080; 437821, 2444088; 437831, 2444100; 437833, 2444111; 437835, 2444126; 437833, 2444139; 437827, 2444163; 437822, 2444185; 437820, 2444206; 437818, 2444236; 437824, 2444265; 437828, 2444292; 437836, 2444314; 437843, 2444322; 437854, 2444327; 437871, 2444328; 437887, 2444323; 437909, 2444314; 437933, 2444302; 437960, 2444289; 437984, 2444274; 438007, 2444260; 438028, 2444258; 438048, 2444258; 438072, 2444260; 438087, 2444266; 438109, 2444271; 438133, 2444273; 438164, 2444270; 438196, 2444263; 438335, 2444214; return to starting point.

(B) NOTE: Map 129 follows:

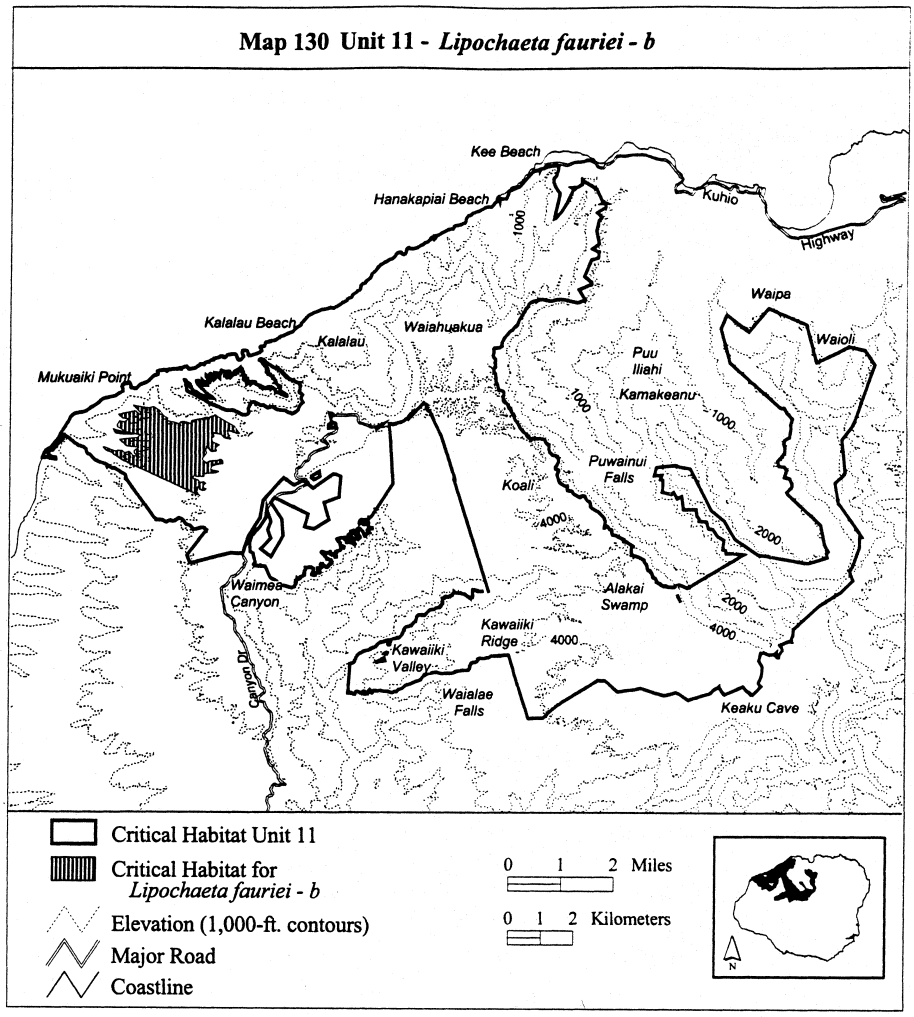


(ccxxxi) Kauai 11—*Lipochaeta fauriei—b* (545 ha; 1,347 ac)

(A) Unit consists of the following 125 boundary points: Start at 427560, 2448644; 427186, 2448690; 426974, 2448883; 427525, 2448944; 427595, 2449029; 427167, 2449118; 426897, 2449284; 426885, 2449330; 426974, 2449445; 427105, 2449399; 427240, 2449511; 427082, 2449526; 426943, 2449646; 427440, 2449757; 427583, 2449646; 427618, 2449680; 427398, 2449919; 427865, 2449846; 428011, 2449885; 428188, 2449777; 428304, 2449623; 428428, 2449542; 428420, 2449472; 428694, 2449411; 428790, 2449353; 428825, 2449426; 428917, 2449457; 429041, 2449399; 429145, 2449376; 429160, 2449464; 429287, 2449491; 429446, 2449526; 429623, 2449565; 429696, 2449549; 429769, 2449595; 429912, 2449630; 430487, 2449303; 430645, 2449087; 430564, 2449079; 430271, 2449172; 430271, 2449087; 430359, 2448921; 430174, 2448944; 430082, 2449056; 429816, 2449094; 429870, 2448987; 429781, 2448929; 429816, 2448813; 430016, 2448736; 429893, 2448636; 429939, 2448528; 429789, 2448524; 429634, 2448671; 429604, 2448543; 429650, 2448482; 429496, 2448297; 429634, 2448176; 429739, 2448229; 429966, 2448239; 430066, 2448292; 430130,

2448260; 430145, 2448155; 430019, 2448139; 429813, 2448076; 429761, 2447976; 430019, 2447912; 429913, 2447865; 429676, 2447849; 429565, 2447833; 429560, 2447786; 429555, 2447760; 429397, 2447754; 429323, 2447754; 429281, 2447807; 429223, 2447749; 429244, 2447681; 429307, 2447686; 429397, 2447639; 429418, 2447591; 429497, 2447581; 429544, 2447612; 429623, 2447549; 429555, 2447517; 429550, 2447459; 429550, 2447407; 429634, 2447375; 429587, 2447349; 429539, 2447328; 429486, 2447338; 429423, 2447380; 429386, 2447438; 429349, 2447422; 429355, 2447338; 429349, 2447307; 429381, 2447238; 429415, 2447204; 429378, 2447191; 427051, 2448261; 426945, 2448329; 426845, 2448398; 426782, 2448408; 426734, 2448482; 426608, 2448535; 426534, 2448566; 426465, 2448640; 426518, 2448645; 426603, 2448608; 426766, 2448550; 426866, 2448524; 426908, 2448556; 427040, 2448556; 427124, 2448471; 427277, 2448524; 427330, 2448445; 427356, 2448398; 427393, 2448376; 427441, 2448376; 427483, 2448366; 427552, 2448329; 427573, 2448329; 427536, 2448387; 427462, 2448424; 427425, 2448466; 427409, 2448508; 427409, 2448540; return to starting point.

(B) NOTE: Map 130 follows:

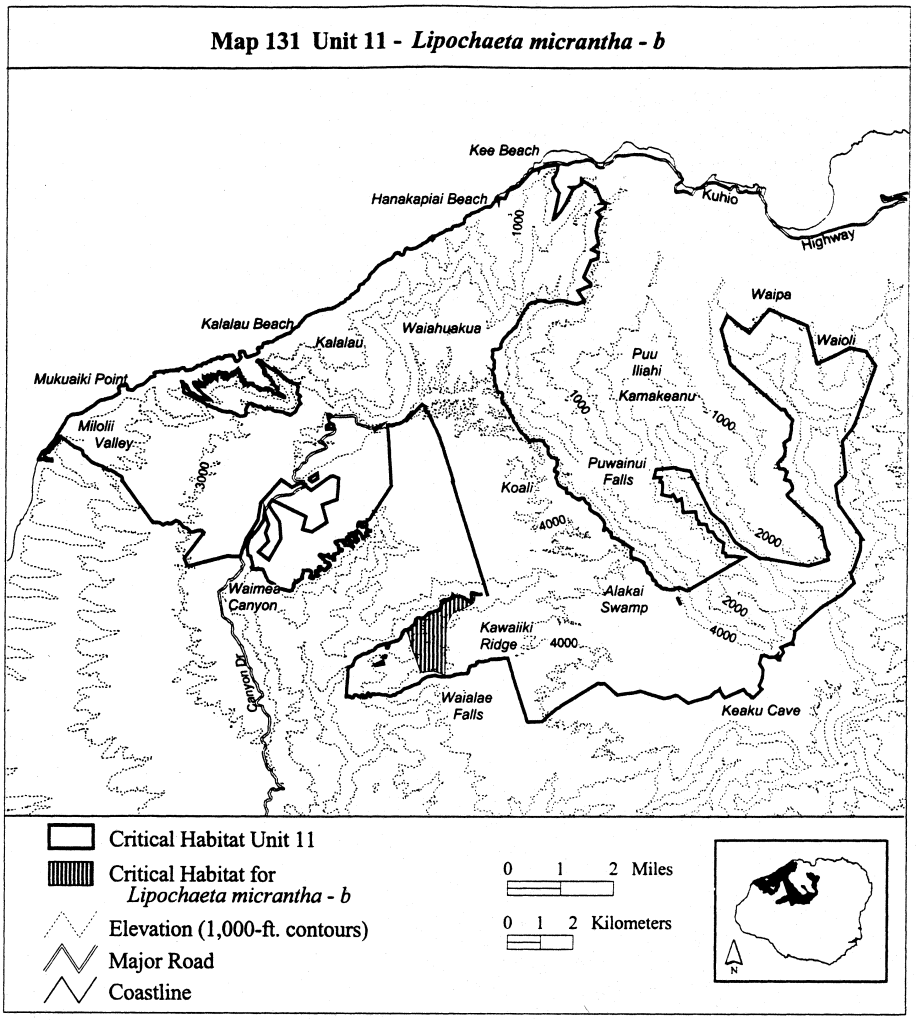


(ccxxxii) Kauai 11—*Lipochaeta micrantha*—b (212 ha; 523 ac)

(A) Unit consists of the following 161 boundary points: Start at 437819, 2444222; 437929, 2444255; 437929, 2444124; 437901, 2444021; 437814, 2443944; 437514, 2443802; 437432, 2443802; 437241, 2443671; 437055, 2443306; 437028, 2441843; 436689, 2441952; 436285, 2441925; 436029, 2442618; 435914, 2442984; 435859, 2443120; 435831, 2443197; 435842, 2443199; 435861, 2443202; 435874, 2443204; 435889, 2443208; 435904, 2443211; 435933, 2443223; 435942, 2443232; 435949, 2443246; 435958, 2443255; 435969, 2443263; 435979, 2443271; 435993, 2443281; 436010, 2443297; 436032, 2443316; 436048, 2443332; 436064, 2443343; 436080, 2443358; 436089, 2443375; 436095, 2443390; 436100, 2443403; 436107, 2443421; 436113, 2443456; 436118, 2443477; 436123, 2443502; 436134, 2443520; 436146, 2443534; 436160, 2443543; 436175, 2443554; 436190, 2443560; 436213, 2443563; 436227, 2443563; 436240, 2443562; 436254, 2443557; 436265, 2443552; 436274, 2443547; 436287, 2443540; 436300, 2443537; 436315, 2443532; 436328, 2443529; 436337,

2443528; 436348, 2443531; 436357, 2443536; 436369, 2443546; 436380, 2443558; 436392, 2443572; 436403, 2443585; 436421, 2443611; 436438, 2443631; 436460, 2443655; 436478, 2443676; 436497, 2443688; 436518, 2443696; 436534, 2443700; 436558, 2443707; 436576, 2443711; 436597, 2443714; 436611, 2443716; 436630, 2443718; 436644, 2443720; 436655, 2443724; 436666, 2443731; 436678, 2443742; 436697, 2443756; 436708, 2443763; 436726, 2443769; 436745, 2443772; 436758, 2443775; 436771, 2443776; 436788, 2443776; 436799, 2443778; 436808, 2443781; 436818, 2443785; 436823, 2443786; 436829, 2443790; 436837, 2443797; 436841, 2443801; 436845, 2443807; 436852, 2443819; 436861, 2443831; 436870, 2443847; 436882, 2443863; 436890, 2443877; 436900, 2443900; 436909, 2443918; 436968, 2443955; 437037, 2444102; 437049, 2444100; 437067, 2444092; 437076, 2444089; 437106, 2444090; 437119, 2444096; 437128, 2444104; 437133, 2444112; 437137, 2444122; 437144, 2444130; 437156, 2444135; 437169, 2444141; 437183, 2444150; 437191, 2444154; 437202, 2444165; 437212, 2444177; 437228, 2444198; 437239, 2444213; 437245, 2444227; 437254, 2444239; 437263, 2444246; 437278, 2444240; 437294, 2444234; 437310, 2444225; 437332, 2444217; 437351, 2444217; 437370, 2444223; 437391, 2444223; 437412, 2444226; 437428, 2444226; 437445, 2444223; 437462, 2444219; 437482, 2444211; 437497, 2444205; 437541, 2444190; 437563, 2444183; 437578, 2444179; 437593, 2444170; 437610, 2444160; 437624, 2444146; 437636, 2444132; 437651, 2444119; 437671, 2444112; 437691, 2444102; 437703, 2444093; 437722, 2444082; 437732, 2444069; 437749, 2444061; 437758, 2444058; 437768, 2444060; 437780, 2444066; 437810, 2444080; 437821, 2444088; 437831, 2444100; 437833, 2444111; 437835, 2444126; 437833, 2444139; 437827, 2444163; 437822, 2444185; 437820, 2444206; return to starting point.

(B) NOTE: Map 131 follows:

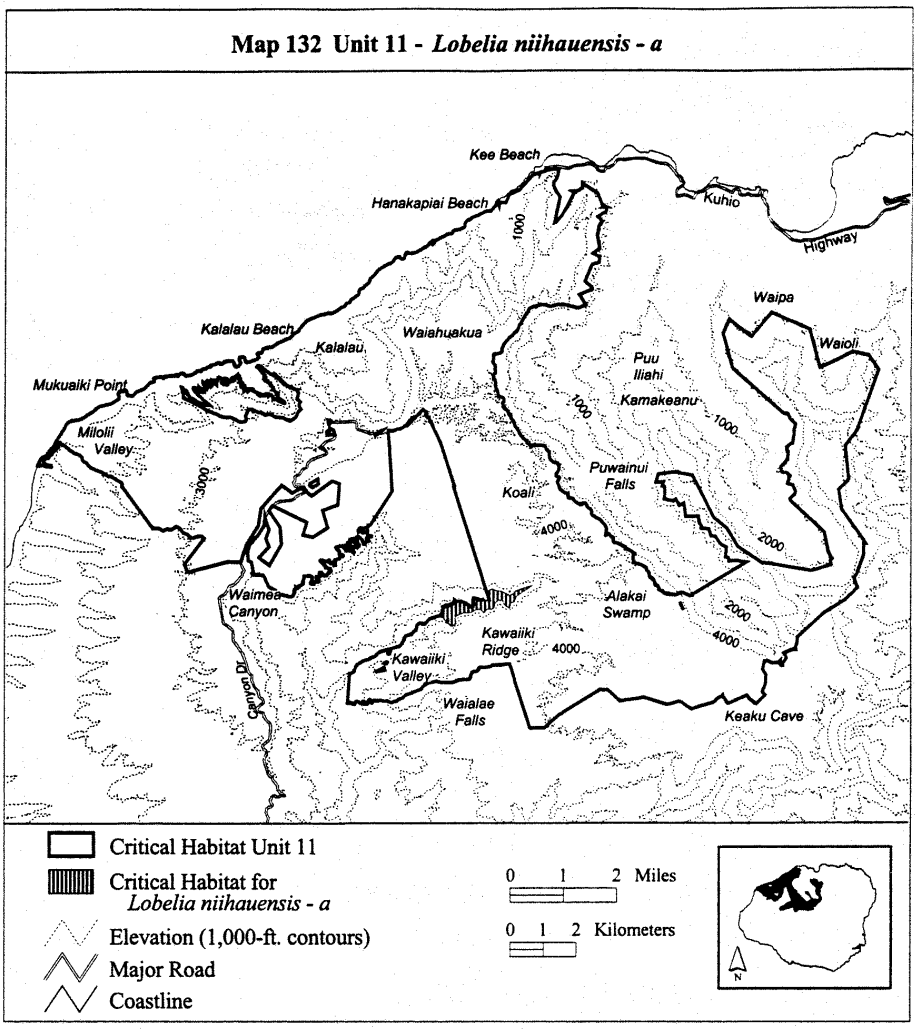


(ccxxxiii) Kauai 11—*Lobelia niihauensis*—a (89 ha; 220 ac)

(A) Unit consists of the following 143 boundary points: Start at 438259, 2444449; 438306, 2444552; 438419, 2444604; 438532, 2444542; 438686, 2444532; 438810, 2444470; 438933, 2444398; 439036, 2444449; 439108, 2444521; 439344, 2444614; 439611, 2444696; 439313, 2444501; 439149, 2444388; 439077, 2444223; 438974, 2444162; 438943, 2444018; 438769, 2444131; 438707, 2444254; 438584, 2444254; 438481, 2444152; 438460, 2444028; 438378, 2443977; 438255, 2443977; 438152, 2443864; 438059, 2443987; 437905, 2443957; 437782, 2443885; 437535, 2443874; 437361, 2443813; 437268, 2443741; 437299, 2443546; 437179, 2443460; 436834, 2443794; 436837, 2443797; 436841, 2443801; 436845, 2443807; 436852, 2443819; 436861, 2443831; 436870, 2443847; 436882, 2443863; 436890, 2443877; 436900, 2443900; 436911, 2443923; 436914, 2443936; 436914, 2443948; 436913, 2443962; 436910, 2443981; 436908, 2443995; 436908, 2444013; 436911, 2444027; 436918, 2444040; 436926, 2444047; 436933, 2444055; 436942, 2444065; 436951, 2444073; 436961,

2444084; 436969, 2444094; 436975, 2444098; 436983, 2444102; 436994, 2444107; 437009, 2444108; 437026, 2444105; 437049, 2444100; 437067, 2444092; 437076, 2444089; 437106, 2444090; 437119, 2444096; 437128, 2444104; 437133, 2444112; 437137, 2444122; 437144, 2444130; 437156, 2444135; 437169, 2444141; 437183, 2444150; 437191, 2444154; 437202, 2444165; 437212, 2444177; 437228, 2444198; 437239, 2444213; 437245, 2444227; 437254, 2444239; 437263, 2444246; 437278, 2444240; 437294, 2444234; 437310, 2444225; 437332, 2444217; 437351, 2444217; 437370, 2444223; 437391, 2444223; 437412, 2444226; 437428, 2444226; 437445, 2444223; 437462, 2444219; 437482, 2444211; 437497, 2444205; 437541, 2444190; 437563, 2444183; 437578, 2444179; 437593, 2444170; 437610, 2444160; 437624, 2444146; 437636, 2444132; 437651, 2444119; 437671, 2444112; 437691, 2444102; 437703, 2444093; 437722, 2444082; 437732, 2444069; 437749, 2444061; 437758, 2444058; 437768, 2444060; 437780, 2444066; 437810, 2444080; 437821, 2444088; 437831, 2444100; 437833, 2444111; 437835, 2444126; 437833, 2444139; 437827, 2444163; 437822, 2444185; 437820, 2444206; 437818, 2444236; 437824, 2444265; 437828, 2444292; 437836, 2444314; 437843, 2444322; 437854, 2444327; 437871, 2444328; 437887, 2444323; 437909, 2444314; 437933, 2444302; 437960, 2444289; 437984, 2444274; 438007, 2444260; 438028, 2444258; 438048, 2444258; 438072, 2444260; 438087, 2444266; 438109, 2444271; 438133, 2444273; 438164, 2444270; 438196, 2444263; 438335, 2444214; return to starting point.

(B) NOTE: Map 132 follows:

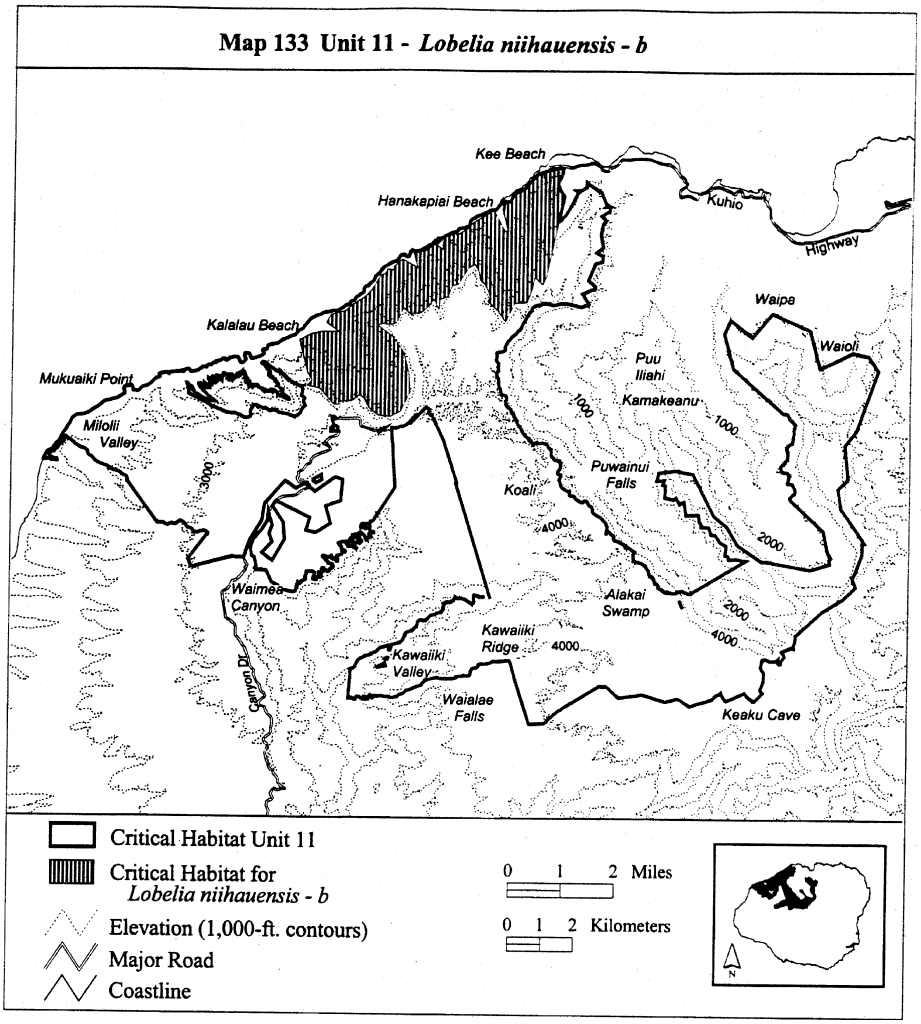


(ccxxxiv) Kauai 11—*Lobelia niihauensis*—b (2,001 ha; 4,945 ac)

(A) Unit consists of the following 117 boundary points: Start at 432783, 2450812; 432645, 2451038; 432384, 2452020; 432426, 2452045; 432733, 2452216; 433075, 2452284; 433587, 2452284; 433211, 2452557; 433337, 2452799; 433777, 2452923; 433907, 2453037; 433997, 2453103; 434388, 2453374; 434591, 2453578; 434851, 2454007; 434988, 2454058; 435043, 2454198; 435247, 2454164; 435227, 2454251; 435315, 2454323; 435507, 2454503; 435959, 2454232; 435835, 2454695; 436208, 2454763; 436490, 2454954; 436731, 2454808; 436705, 2455135; 437089, 2455293; 437180, 2455248; 437507, 2455462; 437653, 2455627; 438253, 2455970; 438308, 2455956; 438616, 2455368; 438704, 2455385; 438649, 2455642; 438547, 2456015; 438604, 2456274; 438785, 2456263; 438898, 2456511; 439191, 2456650; 439587, 2457085; 439610, 2457109; 439815, 2457168; 439822, 2457153; 439835, 2457174; 439931, 2457201; 439939, 2457196; 439951, 2457207; 440098, 2457249; 440099, 2457249; 440144, 2457261; 440144, 2457262; 440197, 2457277; 440250, 2457274; 440289,

2457294; 440298, 2457298; 440390, 2457272; 440371, 2457184; 440366, 2457125; 440313, 2456964; 440227, 2456872; 440225, 2456766; 440259, 2456708; 440304, 2456601; 440437, 2456434; 439892, 2453948; 439806, 2453749; 439595, 2453953; 439565, 2453982; 439486, 2453621; 439327, 2453203; 439067, 2453192; 438952, 2453169; 438672, 2452605; 438425, 2452972; 438107, 2453238; 438208, 2453351; 438166, 2453511; 438016, 2453768; 437892, 2453870; 437851, 2454115; 437722, 2454364; 437530, 2454243; 437406, 2454051; 437236, 2453746; 437038, 2453682; 436908, 2453374; 436671, 2453283; 436628, 2452965; 436479, 2453283; 436174, 2452934; 436013, 2452829; 435877, 2452897; 435808, 2452795; 435552, 2453013; 435360, 2452572; 435224, 2452516; 435055, 2452516; 434958, 2452552; 434761, 2452505; 435236, 2452144; 435569, 2451669; 435740, 2451054; 435774, 2450474; 435501, 2449893; 435193, 2449723; 434817, 2449757; 434510, 2449996; 434373, 2450269; 434241, 2450382; 433992, 2450213; 433632, 2450160; 433584, 2450069; 433449, 2450088; 433020, 2450563; 432625, 2450654; return to starting point.

(B) NOTE: Map 133 follows:



(ccxxxv) Kauai 11–*Lysimachia daphnoides*–b

(A) See paragraph (a)(1)(cxxx)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(cxxx)(B) of this section for the map of this unit.

(ccxxxvi) Kauai 11–*Lysimachia iniki*–c

(A) See paragraph (a)(1)(cxli)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(cxli)(B) of this section for the map of this unit.

(ccxxxvii) Kauai 11–*Lysimachia pendens*–c

(A) See paragraph (a)(1)(cxli)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(cxli)(B) of this section for the map of this unit.

(ccxxxviii) Kauai 11–*Lysimachia scopulensis*–a

(A) See paragraph (a)(1)(cxxxvi)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(cxxxvi)(B) of this section for the map of this unit.

(ccxxxix) Kauai 11–*Lysimachia venosa*–c

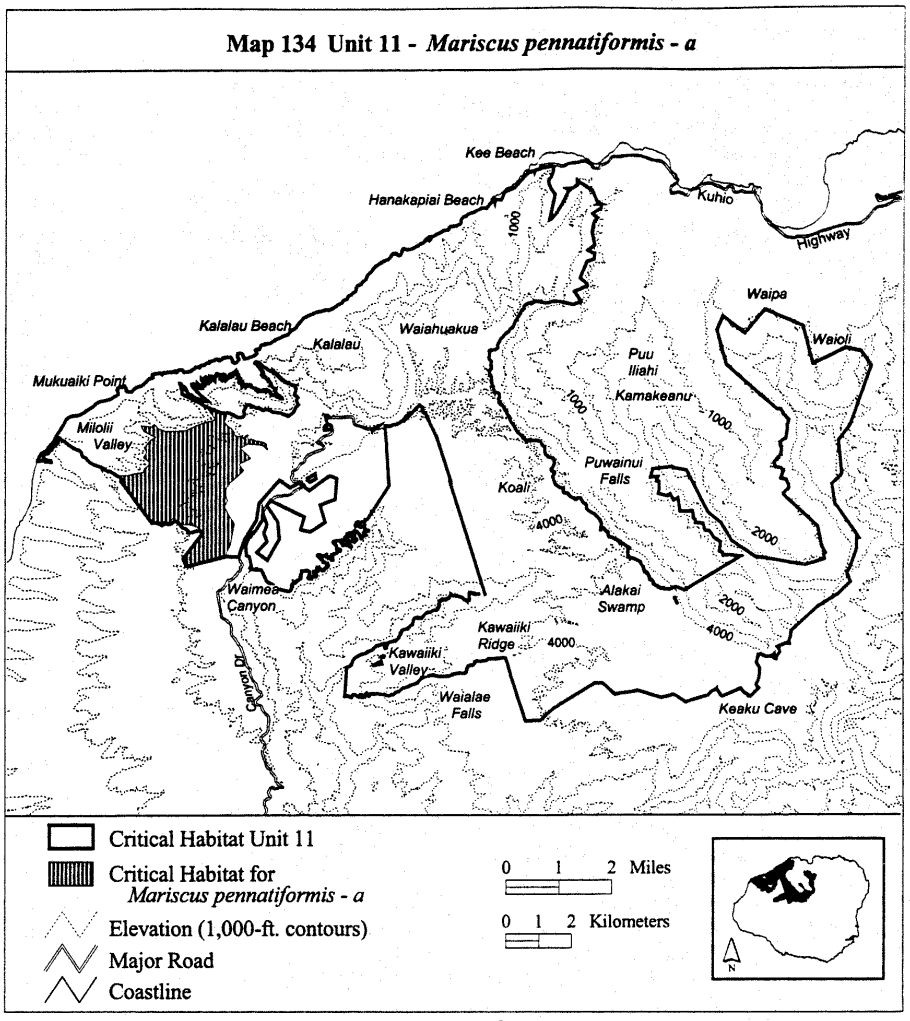
(A) See paragraph (a)(1)(cxli)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(cxli)(B) of this section for the map of this unit.

(ccxl) Kauai 11—*Mariscus pennatiformis*—a (1,003 ha; 2,479 ac)

(A) Unit consists of the following 166 boundary points: Start at 427069, 2447857; 427386, 2447885; 427526, 2447931; 427834, 2447978; 427862, 2448071; 428021, 2448192; 427974, 2448332; 427853, 2448416; 427937, 2448603; 427862, 2448724; 428021, 2448910; 428207, 2449050; 427853, 2449237; 427778, 2449386; 428095, 2449358; 428179, 2449442; 428300, 2449311; 428534, 2449218; 428860, 2449237; 429131, 2449246; 429532, 2449432; 429765, 2449516; 429970, 2449563; 430036, 2449609; 429812, 2449908; 430269, 2449740; 430316, 2449740; 430365, 2449716; 430348, 2449666; 430355, 2449641; 430354, 2449622; 430346, 2449596; 430331, 2449565; 430320, 2449553; 430313, 2449532; 430312, 2449517; 430307, 2449482; 430318, 2449477; 430335, 2449474; 430349, 2449466; 430355, 2449451; 430369, 2449433; 430418, 2449395; 430437, 2449371; 430430, 2449364; 430451, 2449363; 430463, 2449355; 430474, 2449342; 430485, 2449333; 430527, 2449321; 430533, 2449310; 430545, 2449277; 430559, 2449254; 430604, 2449229; 430616, 2449214; 430623, 2449194; 430623, 2449173; 430616, 2449156; 430619, 2449138; 430629, 2449119; 430643, 2449106; 430677, 2449084; 430699, 2449074; 430717, 2449071; 430748, 2449070; 430773, 2449073; 430799, 2449081; 430825, 2449080; 430875, 2449032; 430881, 2449027; 430905, 2449022; 430921, 2449029; 430944, 2449045; 430958, 2449061; 430967, 2449077; 430984, 2449094; 431006, 2449097; 431020, 2449089; 431028, 2449064; 431024, 2449005; 431035, 2448975; 431050, 2448960; 431066, 2448956; 431086, 2448957; 431093, 2448962; 431116, 2448991; 431124, 2448994; 431134, 2448988; 431138, 2448981; 431147, 2448955; 431158, 2448950; 431170, 2448954; 431195, 2448966; 431208, 2448969; 431223, 2448964; 431228, 2448960; 431275, 2448914; 431290, 2448911; 431310, 2448912; 431339, 2448927; 431358, 2448923; 431376, 2448914; 431407, 2448903; 431463, 2448902; 431473, 2448899; 431479, 2448891; 431501, 2448872; 431538, 2448867; 431545, 2448867; 431567, 2448859; 431580, 2448844; 431596, 2448824; 431611, 2448789; 431609, 2448764; 431601, 2448750; 431600, 2448733; 431627, 2448682; 431633, 2448663; 431482, 2448789; 431043, 2448845; 430810, 2448705; 431043, 2448490; 431118, 2448378; 430764, 2448220; 430903, 2448015; 430680, 2447800; 430512, 2447661; 430362, 2447493; 430353, 2447260; 430418, 2447101; 430325, 2446914; 430456, 2446653; 430624, 2446420; 430540, 2446010; 430484, 2445730; 430381, 2445543; 430396, 2445420; 429224, 2445116; 429062, 2445354; 429654, 2446125; 429591, 2446167; 429485, 2446305; 429263, 2446389; 429094, 2446389; 428972, 2446421; 428904, 2446474; 428793, 2446542; 428740, 2446564; 428655, 2446474; 428602, 2446447; 428476, 2446463; 428396, 2446447; 428285, 2446458; 428116, 2446474; 428047, 2446484; 427185, 2447661; 427161, 2447669; 427157, 2447676; 427157, 2447711; 427175, 2447754; 427176, 2447775; 427171, 2447800; 427160, 2447815; 427124, 2447837; 427084, 2447847; 427070, 2447853; return to starting point.

(B) NOTE: Map 134 follows:



(ccxli) Kauai 11–*Melicope degeneri*–b

(A) See paragraph (a)(1)(cxxx)(A) of this section for the textual description of this unit.

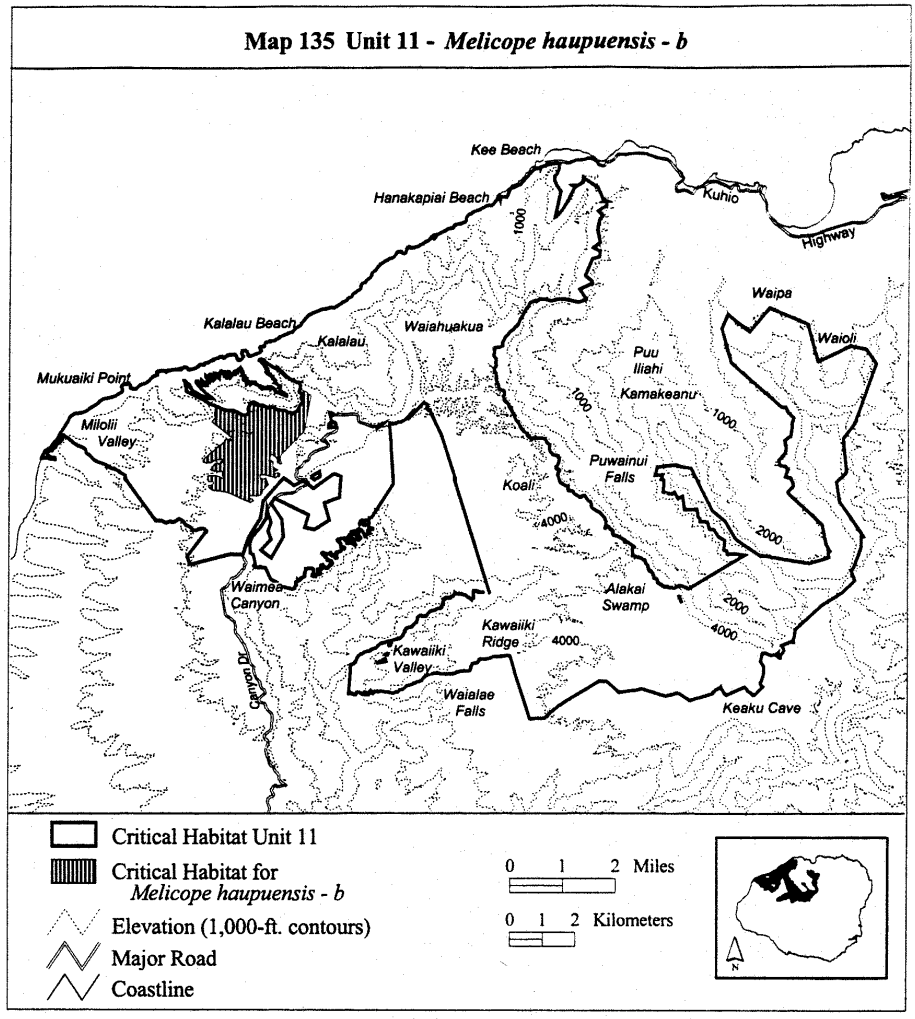
(B) See paragraph (a)(1)(cxxx)(B) of this section for the map of this unit.

(ccxlii) Kauai 11—*Melicope haupuensis*—b (574 ha; 1,418 ac)

(A) Unit consists of the following 198 boundary points: Start at 431912, 2448420; 431913, 2448409; 431890, 2448340; 431898, 2448263; 431898, 2448254; 431900, 2448247; 431922, 2448193; 431934, 2448181; 431929, 2448176; 431931, 2448173; 431918, 2448148; 431909, 2448152; 431904, 2448146; 431867, 2448164; 431806, 2448187; 431806, 2448233; 431806, 2448249; 431788, 2448341; 431653, 2448421; 431645, 2448424; 431625, 2448424; 431570, 2448341; 431570, 2448273; 431668, 2448210; 431668, 2448205; 431682, 2448198; 431669, 2448173; 431667, 2448147; 431676, 2448133; 431662, 2448106; 431657, 2448061; 431812, 2447974; 431789, 2447963; 431806, 2447957; 431745, 2447927; 431713, 2447927; 431682, 2447912; 431713, 2447862; 431862, 2447874; 431900, 2447812; 431862,

2447756; 431800, 2447769; 431750, 2447725; 431607, 2447769; 431427, 2447825; 431371, 2447818; 431271, 2447819; 431284, 2447719; 431408, 2447694; 431452, 2447725; 431526, 2447520; 431396, 2447383; 431340, 2447315; 431327, 2447259; 431290, 2447215; 431197, 2447172; 430948, 2447197; 430948, 2447135; 431060, 2447066; 431085, 2447029; 431035, 2447023; 431016, 2446985; 430736, 2447091; 430493, 2447209; 430388, 2447253; 430325, 2447290; 430027, 2447346; 429877, 2447340; 429722, 2447421; 429697, 2447495; 429821, 2447520; 429859, 2447576; 429834, 2447620; 429772, 2447626; 429728, 2447607; 429678, 2447645; 429660, 2447676; 429691, 2447725; 429672, 2447775; 429716, 2447806; 429741, 2447788; 429797, 2447806; 429965, 2447794; 430039, 2447769; 430126, 2447725; 430176, 2447719; 430176, 2447750; 430120, 2447788; 430120, 2447931; 430008, 2447931; 429865, 2447956; 429803, 2447962; 429790, 2448012; 429853, 2448080; 429896, 2448155; 429958, 2448179; 430052, 2448148; 430139, 2448211; 430139, 2448298; 430033, 2448304; 429865, 2448242; 429778, 2448186; 429548, 2448204; 429548, 2448279; 429653, 2448385; 429716, 2448422; 429772, 2448497; 429877, 2448559; 430014, 2448702; 430108, 2448758; 430151, 2448795; 430195, 2448888; 430257, 2448913; 430338, 2448876; 430400, 2448882; 430425, 2448913; 430420, 2448957; 429806, 2449454; 429896, 2449552; 429879, 2449729; 429905, 2449923; 429915, 2449923; 429944, 2449910; 429968, 2449904; 430016, 2449884; 430068, 2449856; 430172, 2449815; 430207, 2449804; 430261, 2449795; 430317, 2449781; 430340, 2449778; 430365, 2449787; 430392, 2449798; 430408, 2449802; 430410, 2449802; 430406, 2449796; 430471, 2449787; 430527, 2449754; 430583, 2449736; 430635, 2449693; 430696, 2449656; 430720, 2449646; 430819, 2449646; 430899, 2449674; 430918, 2449717; 430904, 2449834; 430927, 2449905; 430955, 2449985; 430993, 2450032; 431068, 2450041; 431153, 2450008; 431238, 2449970; 431285, 2449942; 431360, 2449956; 431449, 2449886; 431497, 2449867; 431605, 2449895; 431657, 2449890; 431699, 2449876; 431765, 2449810; 431864, 2449801; 431981, 2449792; 432047, 2449787; 432113, 2449740; 432217, 2449712; 432259, 2449679; 432344, 2449744; 432419, 2449806; 432471, 2449904; 432504, 2449961; 432579, 2450036; 432551, 2450083; 432523, 2450130; 432523, 2450182; 432565, 2450262; 432523, 2450304; 432475, 2450313; 432452, 2450337; 432461, 2450375; 432480, 2450426; 432490, 2450478; 432501, 2450529; 432504, 2450523; 432515, 2450503; 432528, 2450468; 432550, 2450412; 432573, 2450385; 432591, 2450373; 432650, 2450343; 432692, 2450330; 432709, 2450317; 432733, 2450275; 432745, 2450272; 432752, 2450270; 432768, 2450266; 432797, 2450260; 432826, 2450224; 432630, 2449144; return to starting point.

(B) NOTE: Map 135 follows:

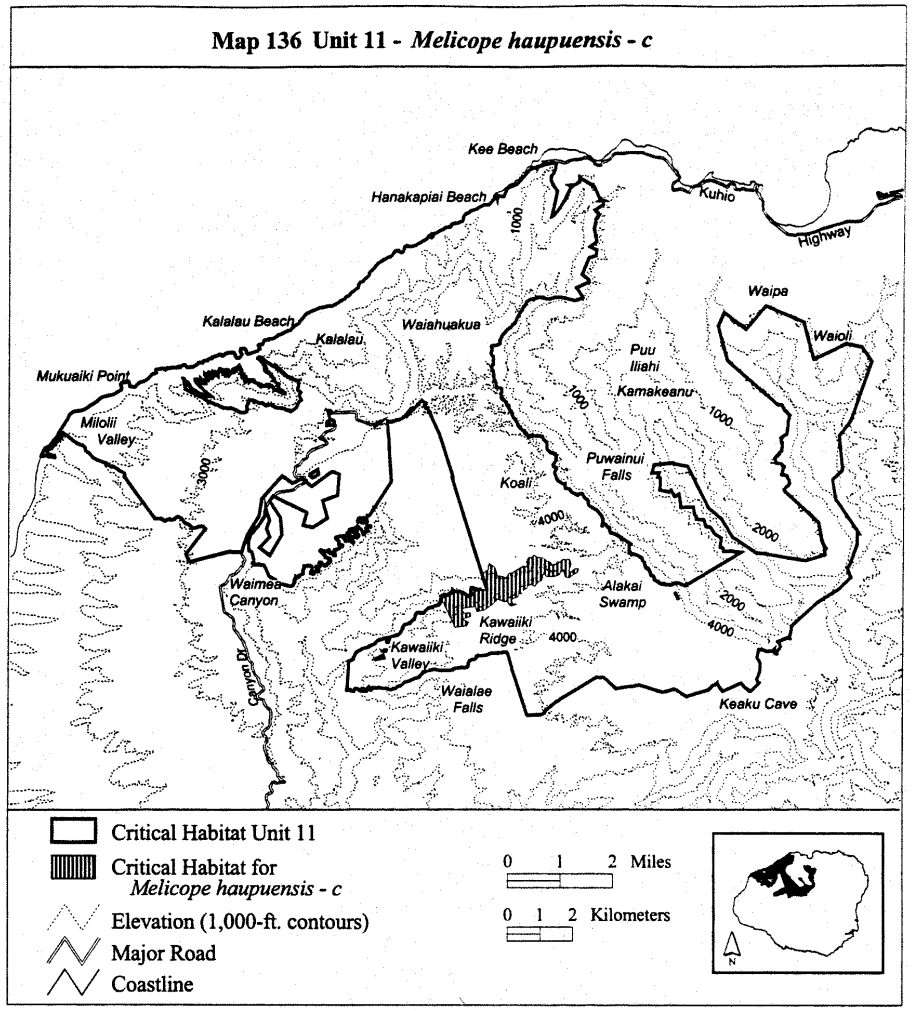


(ccxliii) Kauai 11—*Melicope haupuensis*—c (290 ha; 716 ac)

(A) Unit consists of the following 184 boundary points: Start at 438165, 2444743; 438359, 2444869; 438336, 2444973; 438382, 2445065; 438532, 2444973; 438590, 2444869; 438634, 2444680; 438740, 2444673; 438913, 2444615; 438993, 2444767; 439086, 2444765; 439144, 2444811; 439421, 2444984; 439559, 2444972; 439524, 2445099; 439594, 2445249; 439686, 2445238; 439755, 2445318; 439836, 2445261; 439940, 2445249; 440032, 2445238; 440067, 2445203; 440101, 2445203; 440136, 2445145; 440263, 2445099; 440286, 2445007; 440344, 2445030; 440424, 2445041; 440459, 2445111; 440540, 2445099; 440586, 2445099; 440586, 2445157; 440644, 2445203; 440713, 2445180; 440840, 2445191; 440886, 2445099; 440886, 2444984; 440828, 2444891; 440840, 2444765; 440932, 2444834; 441013, 2444903; 441117, 2444903; 441105, 2444799; 440955, 2444707; 440851, 2444638; 440713, 2444649; 440655, 2444857; 440551, 2444788; 440551, 2444718; 440378, 2444661; 440147, 2444661; 440044, 2444788; 440044, 2444730; 439997, 2444696; 440032, 2444615; 439997,

2444534; 439905, 2444511; 439790, 2444361; 439663, 2444430; 439559, 2444361; 439547, 2444292; 439467, 2444280; 439386, 2444131; 439294, 2444142; 439271, 2444038; 439086, 2443981; 439074, 2443935; 439109, 2443831; 439224, 2443831; 439109, 2443762; 439040, 2443762; 438924, 2443912; 438855, 2443877; 438659, 2443969; 438486, 2443808; 438255, 2443635; 438001, 2443600; 437978, 2443727; 437863, 2443727; 437678, 2443716; 437551, 2443670; 437632, 2443531; 437805, 2443543; 437817, 2443450; 437551, 2443358; 437759, 2443266; 437701, 2443150; 437332, 2443104; 436908, 2444000; 436908, 2444013; 436911, 2444027; 436918, 2444040; 436926, 2444047; 436933, 2444055; 436942, 2444065; 436951, 2444073; 436961, 2444084; 436969, 2444094; 436975, 2444098; 436983, 2444102; 436994, 2444107; 437009, 2444108; 437026, 2444105; 437049, 2444100; 437067, 2444092; 437076, 2444089; 437106, 2444090; 437119, 2444096; 437128, 2444104; 437133, 2444112; 437137, 2444122; 437144, 2444130; 437156, 2444135; 437169, 2444141; 437183, 2444150; 437191, 2444154; 437202, 2444165; 437212, 2444177; 437228, 2444198; 437239, 2444213; 437245, 2444227; 437254, 2444239; 437263, 2444246; 437278, 2444240; 437294, 2444234; 437310, 2444225; 437332, 2444217; 437351, 2444217; 437370, 2444223; 437391, 2444223; 437412, 2444226; 437428, 2444226; 437445, 2444223; 437462, 2444219; 437482, 2444211; 437497, 2444205; 437541, 2444190; 437563, 2444183; 437578, 2444179; 437593, 2444170; 437610, 2444160; 437624, 2444146; 437636, 2444132; 437651, 2444119; 437671, 2444112; 437691, 2444102; 437703, 2444093; 437722, 2444082; 437732, 2444069; 437749, 2444061; 437758, 2444058; 437768, 2444060; 437780, 2444066; 437810, 2444080; 437821, 2444088; 437831, 2444100; 437833, 2444111; 437835, 2444126; 437833, 2444139; 437827, 2444163; 437822, 2444185; 437820, 2444206; 437818, 2444236; 437824, 2444265; 437828, 2444292; 437836, 2444314; 437843, 2444322; 437854, 2444327; 437871, 2444328; 437887, 2444323; 437909, 2444314; 437933, 2444302; 437960, 2444289; 437984, 2444274; 438007, 2444260; 438028, 2444258; 438048, 2444258; 438072, 2444260; 438087, 2444266; 438109, 2444271; 438133, 2444273; 438164, 2444270; 438196, 2444263; 438335, 2444214; return to starting point.

(B) NOTE: Map 136 follows:

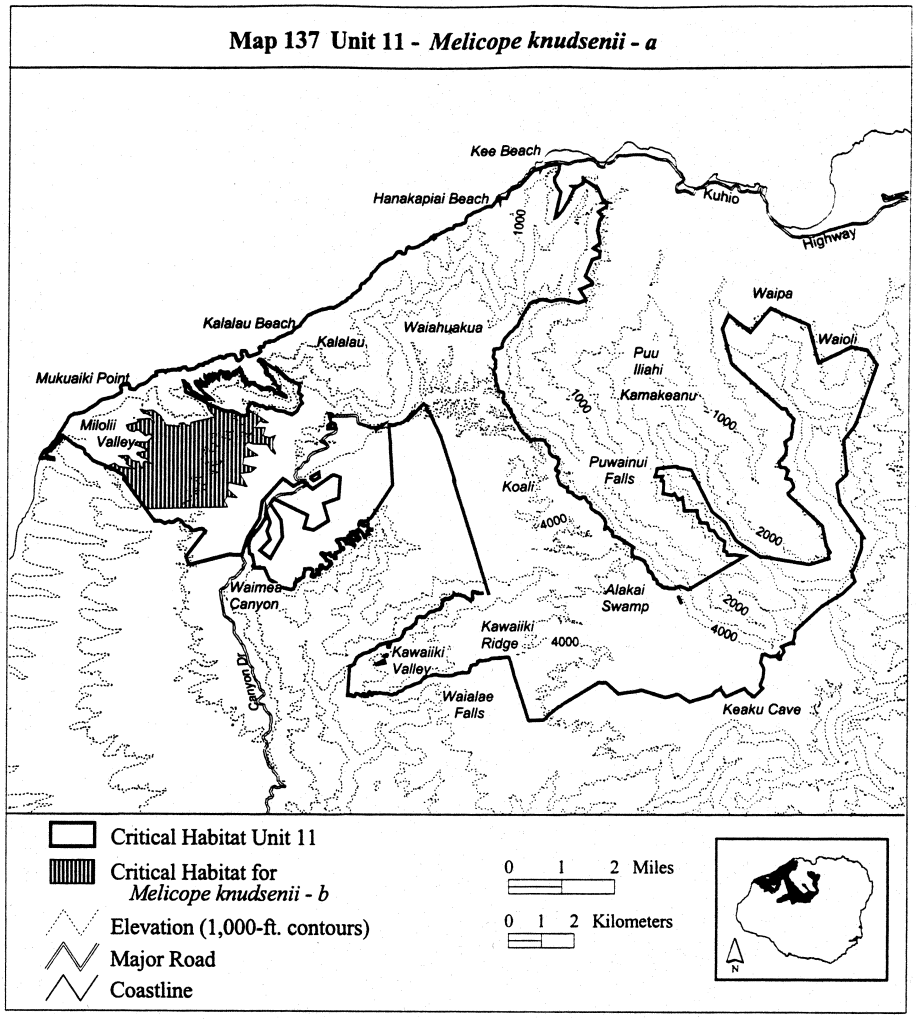


(ccxliv) Kauai 11—*Melicope knudsenii*—a (966 ha; 2,388 ac)

(A) Unit consists of the following 146 boundary points: Start at 431708, 2448615; 431773, 2448514; 431767, 2448519; 431773, 2448510; 431773, 2448476; 431619, 2448589; 431507, 2448763; 431066, 2448773; 430954, 2448845; 430861, 2448773; 430913, 2448650; 431230, 2448425; 430810, 2448364; 430759, 2448149; 431199, 2448046; 431036, 2447923; 430687, 2447883; 430923, 2447483; 430339, 2447606; 430319, 2447401; 430605, 2447145; 430308, 2447176; 430237, 2447043; 430329, 2446859; 427820, 2446794; 427748, 2446893; 427778, 2446910; 427739, 2446905; 427185, 2447661; 427161, 2447669; 427157, 2447676; 427157, 2447711; 427175, 2447754; 427176, 2447775; 427171, 2447800; 427160, 2447815; 427124, 2447837; 427084, 2447847; 427039, 2447867; 426997, 2447892; 426981, 2447902; 426958, 2447923; 426944, 2447941; 426907, 2447965; 426847, 2447992; 426819, 2447998; 426798, 2448010; 426758, 2448005; 426737, 2448009; 426722, 2448015; 426635, 2448077; 426856, 2448180; 427000, 2448088; 427461, 2448016; 427235, 2448159; 427184,

2448333; 427000, 2448395; 427287, 2448415; 427389, 2448282; 427604, 2448221; 427686, 2448036; 427778, 2448067; 427737, 2448159; 427788, 2448241; 427963, 2448180; 427829, 2448333; 427707, 2448354; 427543, 2448487; 427881, 2448569; 427748, 2448661; 427512, 2448743; 427287, 2448774; 427287, 2448815; 427870, 2448845; 428045, 2449030; 427942, 2449081; 427809, 2449019; 427604, 2449193; 427502, 2449193; 427471, 2449152; 427276, 2449183; 427215, 2449347; 427635, 2449459; 427553, 2449521; 427932, 2449552; 428065, 2449429; 427993, 2449644; 427727, 2449726; 427635, 2449838; 427819, 2449787; 428014, 2449818; 428270, 2449644; 428424, 2449357; 428823, 2449316; 428833, 2449398; 428966, 2449439; 429038, 2449357; 429171, 2449326; 429182, 2449429; 429940, 2449613; 429735, 2449817; 429642, 2450043; 429648, 2450043; 429717, 2449996; 429751, 2449978; 429791, 2449963; 429830, 2449956; 429860, 2449947; 429944, 2449910; 429968, 2449904; 430016, 2449884; 430068, 2449856; 430172, 2449815; 430207, 2449804; 430261, 2449795; 430317, 2449781; 430340, 2449778; 430365, 2449787; 430392, 2449798; 430408, 2449802; 430410, 2449802; 430406, 2449796; 430471, 2449787; 430527, 2449754; 430583, 2449736; 430635, 2449693; 430696, 2449656; 430720, 2449646; 430819, 2449646; 430899, 2449674; 430918, 2449717; 430904, 2449834; 430913, 2449863; 431548, 2449428; 431415, 2449428; 431292, 2449490; 431138, 2449285; 431445, 2449275; 431384, 2449039; 431589, 2448957; 431763, 2449039; 431681, 2448855; 431681, 2448656; 431678, 2448658; 431680, 2448656; 431681, 2448656; return to starting point.

(B) NOTE: Map 137 follows:



(ccxlv) Kauai 11—*Melicope knudsenii*—b (374 ha; 922 ac)

(A) Unit consists of the following 305 boundary points: Start at 435336, 2442801; 435344, 2442802; 435367, 2442807; 435391, 2442814; 435415, 2442819; 435435, 2442826; 435454, 2442831; 435476, 2442838; 435496, 2442844; 435516, 2442850; 435530, 2442853; 435534, 2442855; 435543, 2442858; 435556, 2442862; 435571, 2442867; 435585, 2442876; 435598, 2442885; 435608, 2442891; 435619, 2442899; 435627, 2442904; 435642, 2442920; 435658, 2442932; 435668, 2442948; 435673, 2442959; 435681, 2442977; 435688, 2442995; 435693, 2443006; 435698, 2443024; 435704, 2443036; 435708, 2443047; 435715, 2443064; 435722, 2443078; 435725, 2443086; 435729, 2443093; 435735, 2443103; 435738, 2443112; 435743, 2443127; 435749, 2443138; 435753, 2443149; 435757, 2443155; 435766, 2443169; 435778, 2443179; 435790, 2443186; 435804, 2443188; 435821, 2443194; 435842, 2443199; 435861, 2443202; 435874, 2443204; 435889, 2443208; 435904, 2443211; 435933, 2443223; 435942, 2443232; 435949, 2443246; 435958, 2443255; 435969, 2443263; 435979,

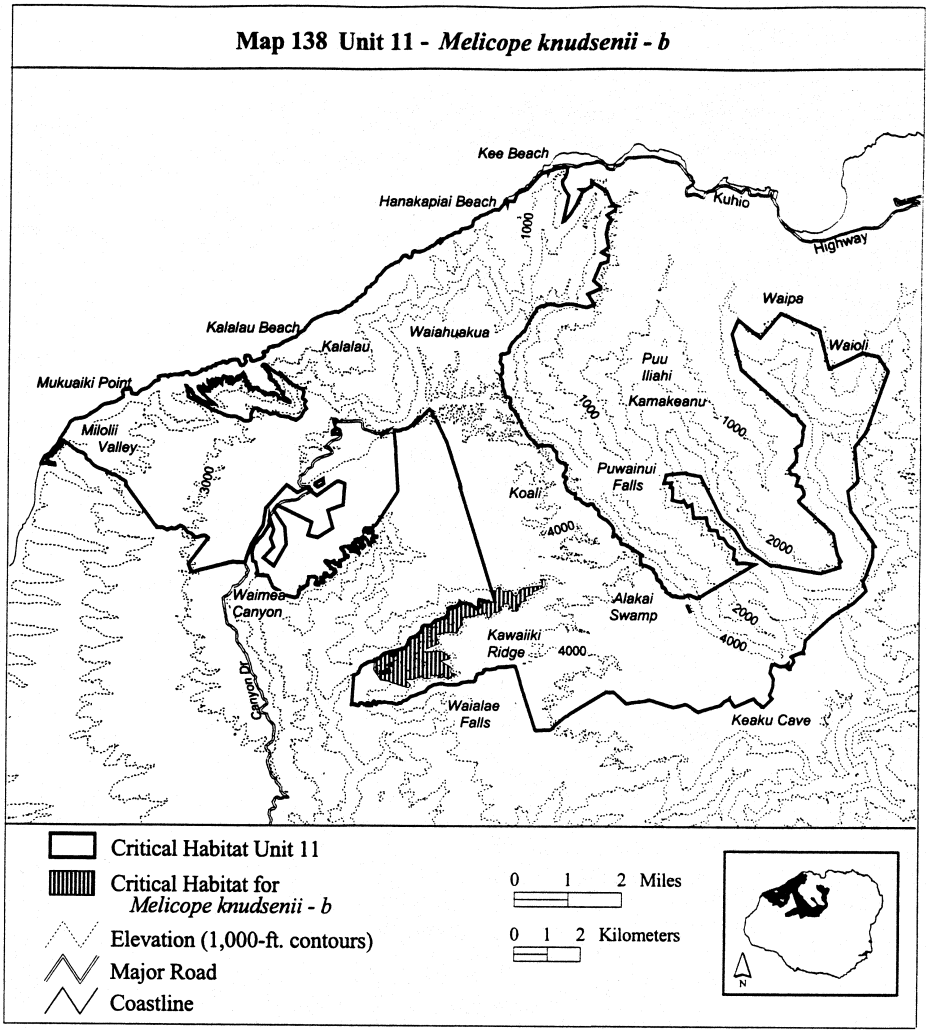
2443271; 435993, 2443281; 436010, 2443297; 436032, 2443316; 436048, 2443332; 436064, 2443343; 436080, 2443358; 436089, 2443375; 436095, 2443390; 436100, 2443403; 436107, 2443421; 436113, 2443456; 436118, 2443477; 436123, 2443502; 436134, 2443520; 436146, 2443534; 436160, 2443543; 436175, 2443554; 436190, 2443560; 436213, 2443563; 436227, 2443563; 436240, 2443562; 436254, 2443557; 436265, 2443552; 436274, 2443547; 436287, 2443540; 436300, 2443537; 436315, 2443532; 436328, 2443529; 436337, 2443528; 436348, 2443531; 436357, 2443536; 436369, 2443546; 436380, 2443558; 436392, 2443572; 436403, 2443585; 436421, 2443611; 436438, 2443631; 436460, 2443655; 436478, 2443676; 436497, 2443688; 436518, 2443696; 436534, 2443700; 436558, 2443707; 436576, 2443711; 436597, 2443714; 436611, 2443716; 436630, 2443718; 436644, 2443720; 436655, 2443724; 436666, 2443731; 436678, 2443742; 436697, 2443756; 436708, 2443763; 436726, 2443769; 436745, 2443772; 436758, 2443775; 436771, 2443776; 436788, 2443776; 436799, 2443778; 436808, 2443781; 436818, 2443785; 436823, 2443786; 436829, 2443790; 436837, 2443797; 436841, 2443801; 436845, 2443807; 436852, 2443819; 436861, 2443831; 436870, 2443847; 436882, 2443863; 436890, 2443877; 436900, 2443900; 436911, 2443923; 436914, 2443936; 436914, 2443948; 436913, 2443962; 436910, 2443981; 436908, 2443994; 436945, 2444067; 436951, 2444073; 436961, 2444084; 436969, 2444094; 436975, 2444098; 436983, 2444102; 436994, 2444107; 437009, 2444108; 437026, 2444105; 437049, 2444100; 437067, 2444092; 437076, 2444089; 437106, 2444090; 437118, 2444096; 437169, 2444079; 437282, 2444210; 437602, 2444165; 437610, 2444160; 437624, 2444146; 437636, 2444132; 437651, 2444119; 437671, 2444112; 437691, 2444102; 437703, 2444093; 437722, 2444082; 437732, 2444069; 437749, 2444061; 437758, 2444058; 437768, 2444060; 437780, 2444066; 437810, 2444080; 437821, 2444088; 437831, 2444100; 437833, 2444111; 437835, 2444126; 437833, 2444139; 437827, 2444163; 437822, 2444185; 437820, 2444206; 437818, 2444236; 437824, 2444265; 437828, 2444292; 437836, 2444314; 437843, 2444322; 437854, 2444327; 437871, 2444328; 437887, 2444323; 437909, 2444314; 437933, 2444302; 437960, 2444289; 437984, 2444274; 438007, 2444260; 438028, 2444258; 438048, 2444258; 438072, 2444260; 438087, 2444266; 438109, 2444271; 438133, 2444273; 438164, 2444270; 438196, 2444263; 438335, 2444214; 438237, 2444518; 438277, 2444604; 438343, 2444567; 438362, 2444642; 438465, 2444708; 438550, 2444576; 438803, 2444586; 438897, 2444426; 439001, 2444463; 439038, 2444614; 439282, 2444689; 439733, 2444745; 439696, 2444914; 439789, 2444951; 439818, 2444801; 439799, 2444707; 439423, 2444538; 439433, 2444482; 439226, 2444407; 439273, 2444294; 439104, 2444248; 439066, 2444135; 439019, 2444210; 439010, 2444003; 438878, 2443975; 438832, 2444088; 438747, 2444060; 438719, 2444201; 438597, 2444201; 438493, 2444097; 438503, 2444013; 438362, 2443929; 438277, 2443947; 438174, 2443797; 438080, 2443797; 438052, 2443929; 437695, 2443844; 437348, 2443788; 437319, 2443656; 437357, 2443572; 437263, 2443516; 437188, 2443328; 436916, 2443356; 436549, 2443281; 436634, 2442999; 436277, 2442859; 436221, 2442755; 436709, 2442793; 436991, 2442586; 436944, 2442549; 436690, 2442502; 437019, 2442304; 436981, 2442154; 437188, 2442088; 436981, 2442032; 436981, 2441966; 436812, 2441995; 436746, 2442117; 436681, 2441995; 436624, 2442051; 436390, 2442070; 436380, 2441957; 436211, 2441957; 436098, 2442042; 435864, 2441929; 435619, 2441938; 435798, 2441769; 435723, 2441685; 435178, 2441863; 435122, 2441882; 434877, 2441920; 434784, 2442061; 434661, 2442239; 434702, 2442503; 434713, 2442515; 434725, 2442524; 434735, 2442532; 434755, 2442542; 434775, 2442551; 434800, 2442556; 434822, 2442562; 434842, 2442574; 434862, 2442596; 434883, 2442613; 434896, 2442626; 434916, 2442647; 434934, 2442668; 434949, 2442681; 434972, 2442699; 434986, 2442705; 434997, 2442708; 435006, 2442713; 435012, 2442717; 435026, 2442719; 435039, 2442722; 435061, 2442727; 435081, 2442733; 435100, 2442739; 435119, 2442747; 435135, 2442754; 435150, 2442764; 435164, 2442771; 435184, 2442774; 435201, 2442777; 435219, 2442778; 435237, 2442782; 435251, 2442783; 435228, 2442762; 435237, 2442643; 435284, 2442631; return to starting point.

(B) Excluding 2 areas:

(*1*) Bounded by the following 3 points (1 ha, 3 ac): Start at 435132, 2442248; 435160, 2442164; 434848, 2442098; return to starting point; and

(*2*) Bounded by the following 4 points (0 ha, 1 ac): Start at 435151, 2442425; 435215, 2442393; 435195, 2442353; 435128, 2442379; return to starting point.

(C) NOTE: Map 138 follows:

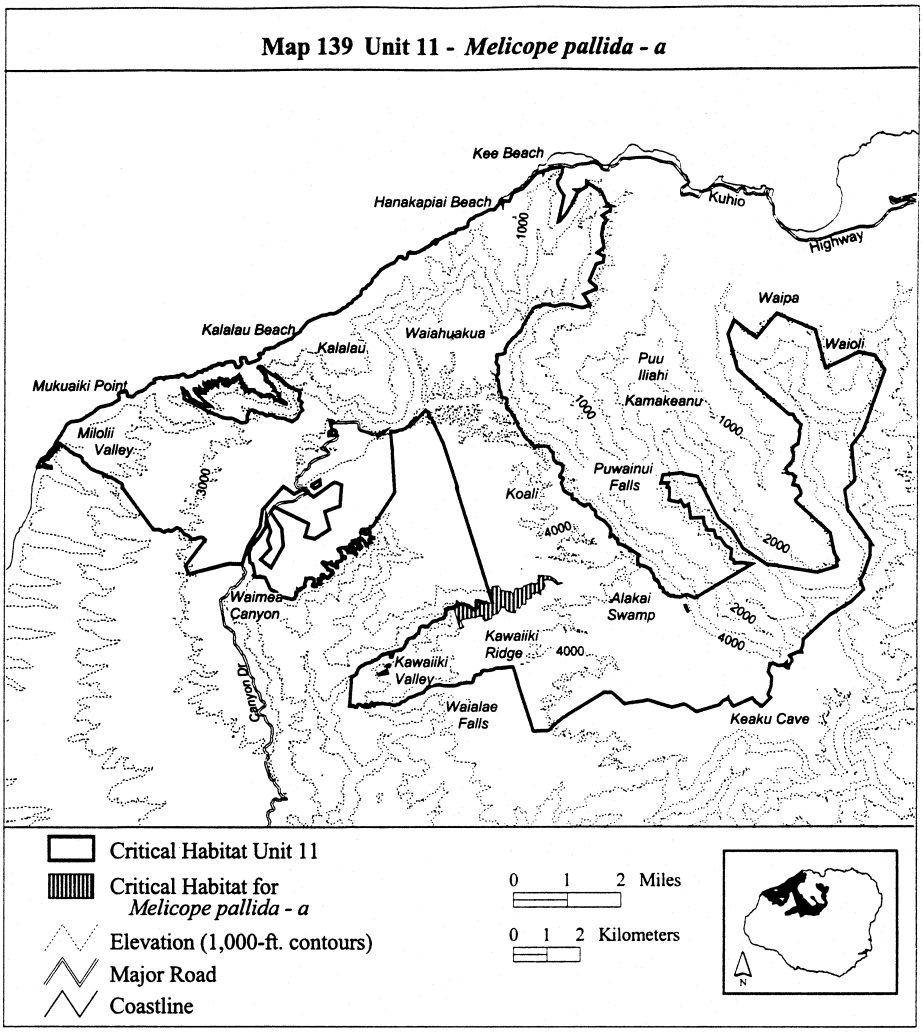


(ccxlvi) Kauai 11—*Melicope pallida*—a (143 ha, 353 ac)

(A) Unit consists of the following 124 boundary points: Start at 438204, 2444622; 438280, 2444652; 438296, 2444737; 438496, 2444768; 438565, 2444637; 438888, 2444575; 438934, 2444498; 438996, 2444683; 439180, 2444675; 439288, 2444760; 439465, 2444837; 439527, 2444829; 439673, 2444821; 439696, 2445067; 440050, 2445044; 440219, 2444944; 440280, 2444844; 440419, 2444844; 440265, 2444783; 440142, 2444906; 439957, 2444952; 439834, 2444913; 439896, 2444760; 439850, 2444644; 439780, 2444637; 439773, 2444483; 439665, 2444560; 439488, 2444521; 439504, 2444445; 439457, 2444368; 439319, 2444360; 439334, 2444283; 439319, 2444199; 439211, 2444214; 439150, 2444076; 439050, 2444122; 439011, 2443953; 438765, 2444014; 438696, 2444099; 438596, 2444129; 438496, 2443945; 438296, 2443883; 438296, 2443791; 438080, 2443699; 438011, 2443868; 437404, 2443753; 437365, 2443676; 437457, 2443530; 437342, 2443476; 437133, 2444113; 437137, 2444122; 437144, 2444130; 437156, 2444135; 437169, 2444141; 437183, 2444150; 437191,

2444154; 437202, 2444165; 437212, 2444177; 437228, 2444198; 437239, 2444213; 437245, 2444227; 437254, 2444239; 437263, 2444246; 437278, 2444240; 437294, 2444234; 437310, 2444225; 437332, 2444217; 437351, 2444217; 437370, 2444223; 437391, 2444223; 437412, 2444226; 437428, 2444226; 437445, 2444223; 437462, 2444219; 437482, 2444211; 437497, 2444205; 437541, 2444190; 437563, 2444183; 437578, 2444179; 437593, 2444170; 437610, 2444160; 437624, 2444146; 437636, 2444132; 437651, 2444119; 437671, 2444112; 437691, 2444102; 437703, 2444093; 437722, 2444082; 437732, 2444069; 437749, 2444061; 437758, 2444058; 437768, 2444060; 437780, 2444066; 437810, 2444080; 437821, 2444088; 437831, 2444100; 437833, 2444111; 437835, 2444126; 437833, 2444139; 437827, 2444163; 437822, 2444185; 437820, 2444206; 437818, 2444236; 437824, 2444265; 437828, 2444292; 437836, 2444314; 437843, 2444322; 437854, 2444327; 437871, 2444328; 437887, 2444323; 437909, 2444314; 437933, 2444302; 437960, 2444289; 437984, 2444274; 438007, 2444260; 438028, 2444258; 438048, 2444258; 438072, 2444260; 438087, 2444266; 438109, 2444271; 438133, 2444273; 438164, 2444270; 438196, 2444263; 438335, 2444214; return to starting point.

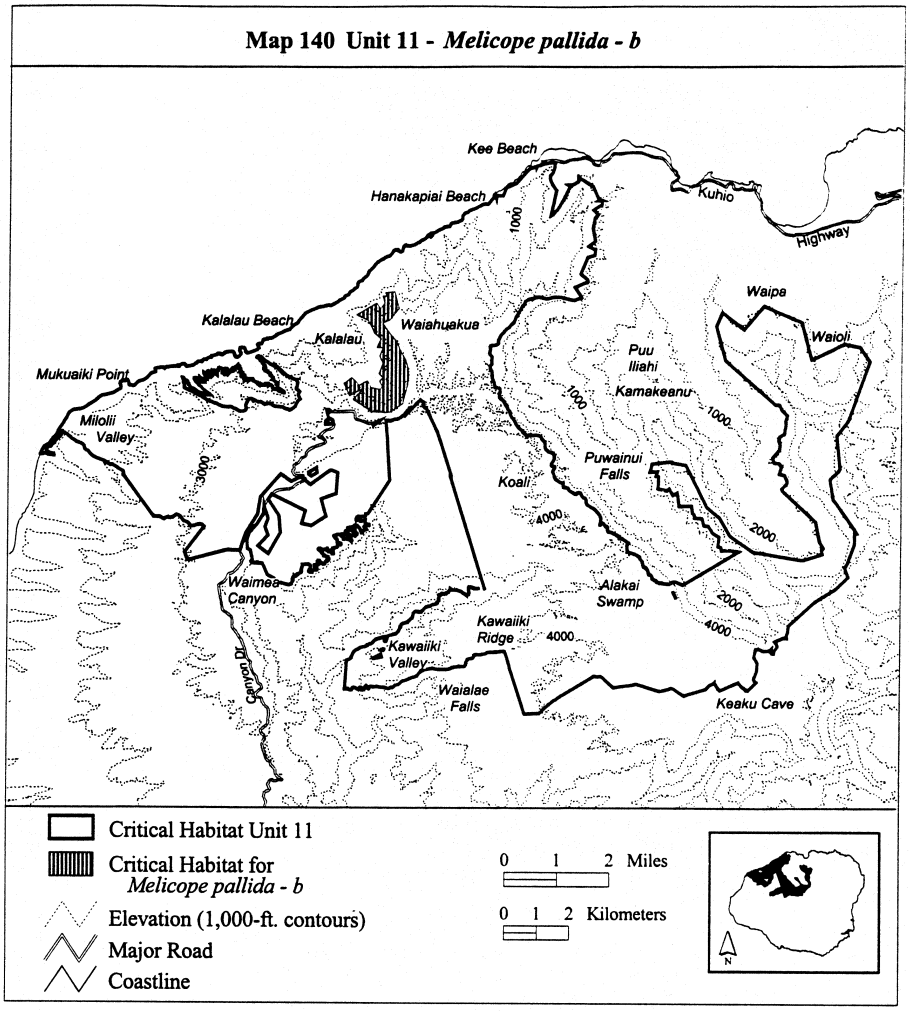
(B) NOTE: Map 139 follows:



(ccxlvii) Kauai 11—*Melicope pallida*—b (310 ha; 765 ac)

(A) Unit consists of the following 47 boundary points: Start at 433925, 2450539; 433966, 2450539; 434164, 2450698; 434310, 2450565; 434385, 2450461; 434654, 2450605; 434760, 2450393; 435051, 2450327; 435117, 2450433; 435011, 2450592; 435131, 2450697; 434998, 2450816; 435131, 2451147; 435011, 2451359; 435131, 2451610; 435063, 2451636; 434945, 2451623; 435064, 2451901; 434850, 2452083; 434786, 2452232; 434648, 2452469; 434310, 2452642; 434932, 2452999; 435038, 2452813; 435170, 2452999; 435117, 2453223; 435236, 2453223; 435183, 2453329; 435475, 2453355; 435607, 2452840; 435316, 2452470; 435104, 2452390; 435316, 2452086; 435541, 2451835; 435660, 2451544; 435806, 2451279; 435898, 2450975; 435912, 2450671; 435845, 2450287; 435740, 2449890; 435316, 2449626; 434786, 2449653; 434588, 2449785; 434217, 2450036; 434486, 2450322; 434391, 2450299; 434111, 2450143; return to starting point.

(B) NOTE: Map 140 follows:



(ccxlviii) Kauai 11–*Melicope paniculata*–b

(A) See paragraph (a)(1)(cxl)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(cxl)(B) of this section for the map of this unit.

(ccxlix) Kauai 11–*Melicope puberula*–c

(A) See paragraph (a)(1)(cxxx)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(cxxx)(B) of this section for the map of this unit.

(ccl) Kauai 11–*Melicope puberula*–d

(A) See paragraph (a)(1)(cxl)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(cxl)(B) of this section for the map of this unit.

(ccli) Kauai 11—*Munroidendron racemosum*—c (1,950 ha; 4,819 ac)

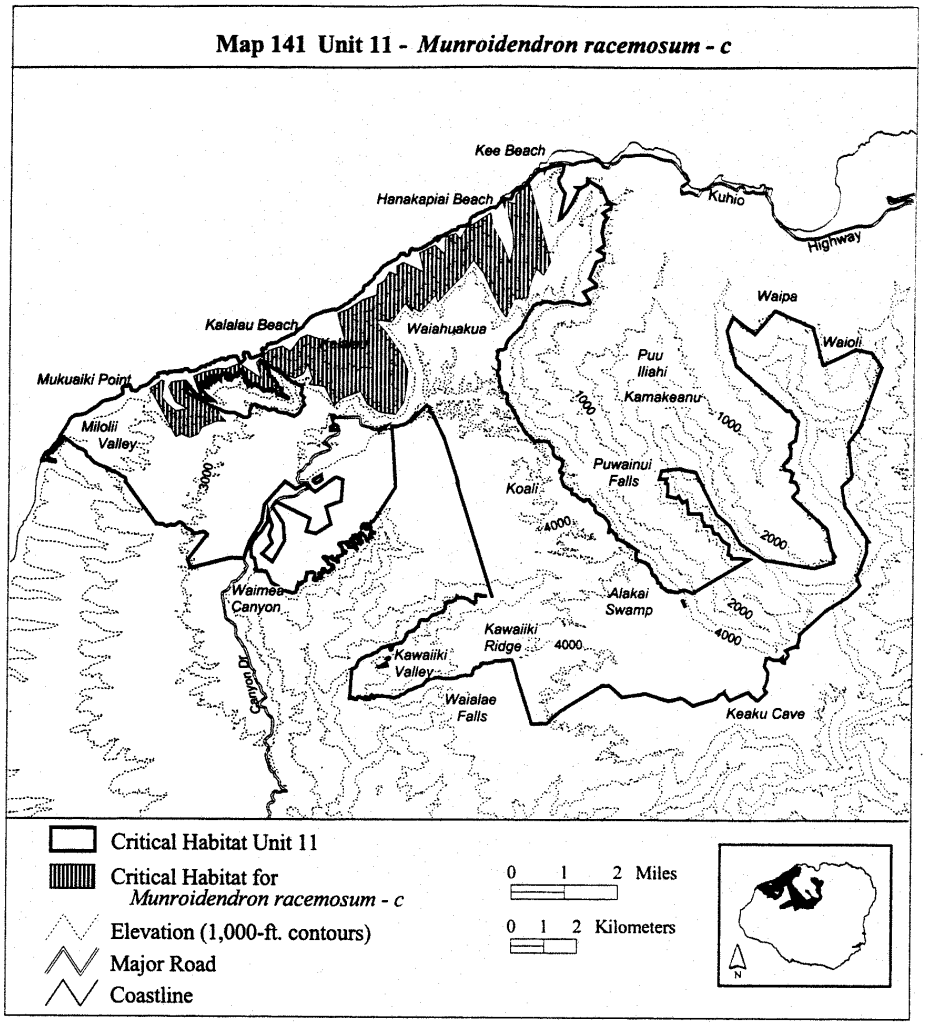
(A) Unit consists of the following 761 boundary points: Start at 439647, 2455689; 440015, 2454370; 439805, 2453982; 439692, 2454086; 439594, 2454176; 439465, 2453901; 439303, 2453287; 438947, 2453255;

438672, 2452689; 438477, 2452980; 438186, 2453562; 437975, 2454047; 437668, 2454436; 437376, 2453983; 437020, 2453611; 436583, 2453158; 436535, 2453369; 436065, 2452851; 435839, 2452981; 435822, 2452868; 435612, 2453110; 435207, 2452544; 434851, 2452609; 434738, 2452561; 435013, 2452253; 435466, 2451639; 435709, 2451072; 435677, 2450587; 435580, 2450086; 435337, 2449746; 434851, 2449811; 434462, 2450070; 434268, 2450442; 433702, 2450232; 433459, 2450006; 433167, 2450588; 432698, 2450653; 432811, 2450814; 432649, 2451267; 432536, 2450960; 432277, 2450831; 431872, 2451009; 431914, 2450942; 431912, 2450944; 431844, 2451002; 431798, 2451034; 431748, 2451072; 431700, 2451088; 431641, 2451117; 431591, 2451154; 431525, 2451187; 431489, 2451219; 431446, 2451247; 431433, 2451261; 431373, 2451329; 431370, 2451323; 431360, 2451314; 431351, 2451321; 431337, 2451323; 431318, 2451324; 431304, 2451317; 431293, 2451316; 431287, 2451322; 431281, 2451336; 431277, 2451355; 431264, 2451350; 431245, 2451336; 431233, 2451323; 431242, 2451310; 431267, 2451297; 431294, 2451278; 431312, 2451246; 431348, 2451203; 431384, 2451176; 431402, 2451170; 431407, 2451149; 431415, 2451137; 431428, 2451129; 431432, 2451109; 431442, 2451094; 431457, 2451086; 431456, 2451081; 431450, 2451067; 431455, 2451053; 431467, 2451047; 431486, 2451047; 431488, 2451038; 431482, 2451029; 431481, 2451010; 431487, 2450998; 431505, 2450987; 431504, 2450980; 431486, 2450974; 431476, 2450971; 431456, 2450971; 431449, 2450963; 431452, 2450955; 431457, 2450948; 431476, 2450934; 431497, 2450922; 431502, 2450903; 431509, 2450895; 431530, 2450888; 431555, 2450880; 431580, 2450878; 431577, 2450867; 431580, 2450848; 431591, 2450839; 431606, 2450830; 431626, 2450824; 431655, 2450815; 431653, 2450800; 431650, 2450792; 431645, 2450777; 431653, 2450764; 431671, 2450767; 431665, 2450749; 431661, 2450738; 431675, 2450731; 431689, 2450726; 431698, 2450722; 431699, 2450717; 431702, 2450701; 431710, 2450693; 431720, 2450686; 431733, 2450677; 431733, 2450656; 431729, 2450645; 431735, 2450642; 431736, 2450636; 431739, 2450626; 431752, 2450619; 431763, 2450615; 431769, 2450597; 431786, 2450573; 431798, 2450561; 431822, 2450550; 431829, 2450545; 431845, 2450528; 431860, 2450521; 431873, 2450519; 431885, 2450510; 431899, 2450498; 431900, 2450492; 431891, 2450486; 431874, 2450483; 431852, 2450481; 431839, 2450475; 431835, 2450472; 431841, 2450451; 431856, 2450433; 431874, 2450409; 431900, 2450378; 431933, 2450350; 431949, 2450336; 431983, 2450316; 432009, 2450298; 432026, 2450277; 432049, 2450261; 432065, 2450255; 432065, 2450248; 432065, 2450233; 432072, 2450223; 432081, 2450211; 432076, 2450207; 432058, 2450218; 432042, 2450225; 432024, 2450234; 432006, 2450246; 431989, 2450255; 431968, 2450265; 431949, 2450270; 431917, 2450271; 431900, 2450287; 431882, 2450301; 431864, 2450315; 431840, 2450325; 431808, 2450327; 431770, 2450328; 431762, 2450341; 431752, 2450353; 431730, 2450369; 431726, 2450392; 431720, 2450403; 431709, 2450416; 431692, 2450418; 431691, 2450429; 431687, 2450439; 431677, 2450453; 431664, 2450465; 431652, 2450468; 431635, 2450468; 431615, 2450468; 431608, 2450462; 431598, 2450460; 431597, 2450472; 431596, 2450476; 431591, 2450488; 431585, 2450499; 431576, 2450494; 431566, 2450502; 431549, 2450505; 431537, 2450505; 431516, 2450496; 431511, 2450486; 431505, 2450470; 431499, 2450454; 431488, 2450449; 431479, 2450454; 431467, 2450462; 431459, 2450467; 431443, 2450470; 431425, 2450469; 431409, 2450466; 431404, 2450459; 431392, 2450462; 431381, 2450464; 431372, 2450459; 431358, 2450458; 431339, 2450460; 431334, 2450462; 431330, 2450466; 431328, 2450478; 431323, 2450490; 431313, 2450497; 431303, 2450494; 431299, 2450488; 431292, 2450476; 431283, 2450480; 431281, 2450486; 431278, 2450497; 431272, 2450502; 431263, 2450505; 431263, 2450516; 431258, 2450530; 431249, 2450545; 431236, 2450549; 431227, 2450551; 431213, 2450554; 431196, 2450558; 431191, 2450563; 431179, 2450576; 431171, 2450582; 431158, 2450585; 431136, 2450584; 431126, 2450573; 431121, 2450586; 431132, 2450596; 431132, 2450623; 431128, 2450641; 431112, 2450648; 431084, 2450652; 431076, 2450639; 431065, 2450624; 431055, 2450628; 431045, 2450645; 431044, 2450656; 431030, 2450661; 431019, 2450646; 431008, 2450631; 430998, 2450615; 430991, 2450601; 430983, 2450597; 430978, 2450604; 430969, 2450622; 430960, 2450622; 430950, 2450609; 430946, 2450604; 430939, 2450609; 430936, 2450617; 430933, 2450631; 430930, 2450644; 430926, 2450657; 430918, 2450664; 430904, 2450664; 430898, 2450659; 430896, 2450648; 430901, 2450638; 430911, 2450630; 430909, 2450620; 430897, 2450617; 430887, 2450619; 430874, 2450620; 430871, 2450614; 430867, 2450602; 430860, 2450586; 430854, 2450591; 430851, 2450600; 430852, 2450614; 430852, 2450631; 430843, 2450645; 430853, 2450656; 430857, 2450667; 430863, 2450680; 430865, 2450697; 430856, 2450711; 430838, 2450715; 430828, 2450715; 430840, 2450723; 430852, 2450728; 430864, 2450742; 430864, 2450756; 430851, 2450759;

430839, 2450752; 430832, 2450747; 430819, 2450748; 430806, 2450738; 430791, 2450737; 430800, 2450754; 430803, 2450759; 430806, 2450776; 430805, 2450791; 430807, 2450800; 430811, 2450812; 430813, 2450819; 430811, 2450834; 430803, 2450837; 430787, 2450832; 430777, 2450824; 430764, 2450815; 430744, 2450805; 430746, 2450813; 430749, 2450824; 430754, 2450841; 430757, 2450850; 430757, 2450862; 430750, 2450872; 430741, 2450873; 430718, 2450870; 430730, 2450885; 430735, 2450896; 430743, 2450916; 430747, 2450940; 430748, 2450959; 430737, 2450969; 430723, 2450972; 430712, 2450965; 430705, 2450955; 430694, 2450953; 430694, 2450967; 430697, 2450980; 430703, 2450995; 430704, 2451010; 430706, 2451037; 430692, 2451040; 430682, 2451033; 430675, 2451043; 430673, 2451050; 430677, 2451062; 430666, 2451065; 430658, 2451067; 430649, 2451073; 430636, 2451076; 430631, 2451072; 430626, 2451059; 430626, 2451041; 430622, 2451022; 430623, 2451005; 430620, 2451000; 430611, 2451001; 430605, 2451008; 430598, 2451020; 430588, 2451025; 430581, 2451020; 430574, 2451012; 430572, 2451002; 430569, 2450983; 430570, 2450961; 430550, 2450974; 430535, 2450983; 430523, 2450988; 430518, 2450991; 430503, 2450993; 430491, 2450990; 430485, 2450984; 430482, 2450977; 430485, 2450962; 430490, 2450949; 430500, 2450934; 430502, 2450920; 430503, 2450902; 430495, 2450892; 430483, 2450890; 430474, 2450882; 430466, 2450887; 430449, 2450901; 430433, 2450901; 430426, 2450896; 430422, 2450890; 430416, 2450880; 430407, 2450876; 430398, 2450872; 430393, 2450868; 430390, 2450853; 430391, 2450836; 430385, 2450826; 430380, 2450816; 430372, 2450803; 430368, 2450818; 430364, 2450833; 430362, 2450842; 430355, 2450855; 430348, 2450863; 430335, 2450873; 430331, 2450883; 430328, 2450897; 430326, 2450922; 430319, 2450953; 430305, 2450972; 430295, 2450980; 430285, 2450982; 430281, 2450979; 430276, 2450975; 430272, 2450958; 430273, 2450938; 430261, 2450933; 430250, 2450924; 430246, 2450905; 430251, 2450875; 430256, 2450842; 430268, 2450786; 430261, 2450779; 430252, 2450779; 430249, 2450795; 430246, 2450807; 430242, 2450821; 430234, 2450838; 430217, 2450857; 430209, 2450860; 430204, 2450855; 430197, 2450844; 430193, 2450832; 430172, 2450844; 430173, 2450865; 430175, 2450880; 430183, 2450896; 430192, 2450910; 430197, 2450925; 430197, 2450937; 430194, 2450949; 430187, 2450962; 430177, 2450971; 430166, 2450974; 430154, 2450976; 430132, 2450976; 430116, 2450985; 430107, 2450980; 430091, 2450975; 430078, 2450990; 430069, 2450993; 430061, 2450978; 430054, 2450938; 430051, 2450920; 430030, 2450915; 430016, 2450914; 430010, 2450909; 430009, 2450885; 430018, 2450854; 430024, 2450828; 430018, 2450825; 430011, 2450820; 430009, 2450808; 430013, 2450787; 430022, 2450756; 430002, 2450778; 429994, 2450795; 429984, 2450820; 429965, 2450849; 429939, 2450888; 429927, 2450906; 429914, 2450914; 429910, 2450911; 429907, 2450899; 429909, 2450889; 429915, 2450875; 429923, 2450865; 429926, 2450848; 429926, 2450827; 429923, 2450820; 429918, 2450819; 429909, 2450824; 429905, 2450835; 429897, 2450849; 429889, 2450860; 429879, 2450871; 429869, 2450875; 429863, 2450868; 429863, 2450852; 429861, 2450836; 429866, 2450814; 429870, 2450799; 429879, 2450785; 429885, 2450774; 429883, 2450763; 429879, 2450756; 429874, 2450750; 429875, 2450744; 429873, 2450736; 429866, 2450746; 429861, 2450753; 429854, 2450754; 429848, 2450756; 429843, 2450769; 429841, 2450785; 429827, 2450802; 429816, 2450819; 429797, 2450845; 429773, 2450868; 429738, 2450896; 429724, 2450899; 429720, 2450887; 429726, 2450875; 429733, 2450856; 429739, 2450832; 429742, 2450813; 429746, 2450791; 429752, 2450769; 429754, 2450756; 429748, 2450755; 429737, 2450753; 429731, 2450750; 429731, 2450739; 429734, 2450732; 429745, 2450721; 429750, 2450701; 429741, 2450701; 429728, 2450698; 429722, 2450692; 429718, 2450681; 429709, 2450676; 429702, 2450682; 429696, 2450693; 429691, 2450714; 429680, 2450743; 429664, 2450781; 429652, 2450802; 429639, 2450818; 429619, 2450828; 429603, 2450830; 429601, 2450825; 429604, 2450812; 429619, 2450793; 429637, 2450771; 429654, 2450750; 429664, 2450735; 429667, 2450717; 429663, 2450706; 429661, 2450673; 429666, 2450641; 429663, 2450621; 429654, 2450603; 429645, 2450601; 429634, 2450610; 429619, 2450622; 429602, 2450633; 429558, 2450656; 429505, 2450692; 429490, 2450702; 429483, 2450698; 429478, 2450692; 429480, 2450680; 429489, 2450657; 429496, 2450634; 429503, 2450613; 429524, 2450599; 429556, 2450569; 429569, 2450555; 429569, 2450546; 429560, 2450541; 429535, 2450540; 429510, 2450541; 429489, 2450546; 429478, 2450553; 429468, 2450566; 429461, 2450574; 429450, 2450580; 429440, 2450580; 429434, 2450588; 429432, 2450595; 429422, 2450604; 429410, 2450609; 429389, 2450622; 429387, 2450629; 429384, 2450638; 429377, 2450656; 429371, 2450661; 429365, 2450670; 429363, 2450681; 429359, 2450689; 429352, 2450687; 429345, 2450685; 429330, 2450677; 429319, 2450668; 429311, 2450657; 429310, 2450642; 429317, 2450633; 429334, 2450615; 429346, 2450600;

429359, 2450581; 429365, 2450564; 429372, 2450543; 429389, 2450532; 429400, 2450531; 429410, 2450517; 429420, 2450504; 429431, 2450485; 429450, 2450463; 429462, 2450449; 429482, 2450434; 429500, 2450421; 429523, 2450406; 429541, 2450384; 429554, 2450363; 429577, 2450344; 429599, 2450324; 429622, 2450305; 429645, 2450292; 429669, 2450271; 429686, 2450258; 429712, 2450243; 429745, 2450217; 429770, 2450202; 429788, 2450184; 429802, 2450172; 429815, 2450154; 429808, 2450151; 429791, 2450150; 429770, 2450151; 429738, 2450152; 429713, 2450155; 429686, 2450161; 429656, 2450168; 429622, 2450179; 429571, 2450198; 429538, 2450212; 429503, 2450229; 429460, 2450248; 429433, 2450259; 429404, 2450268; 429391, 2450277; 429371, 2450289; 429356, 2450303; 429342, 2450315; 429321, 2450332; 429294, 2450343; 429269, 2450357; 429244, 2450363; 429212, 2450380; 429205, 2450394; 429200, 2450405; 429193, 2450416; 429174, 2450426; 429162, 2450435; 429161, 2450444; 429158, 2450455; 429152, 2450468; 429143, 2450481; 429128, 2450496; 429115, 2450512; 429114, 2450524; 429113, 2450540; 429110, 2450557; 429103, 2450577; 429091, 2450594; 429077, 2450605; 429060, 2450608; 429041, 2450610; 429026, 2450609; 429013, 2450623; 429009, 2450638; 429000, 2450655; 428990, 2450676; 428979, 2450690; 428972, 2450701; 428962, 2450707; 428952, 2450706; 428952, 2450704; 428964, 2450654; 428990, 2450584; 429000, 2450551; 429015, 2450477; 429016, 2450451; 429013, 2450421; 429012, 2450380; 429036, 2450360; 429089, 2450331; 429147, 2450304; 429258, 2450260; 429576, 2450092; 429717, 2449996; 429751, 2449978; 429791, 2449963; 429830, 2449956; 429860, 2449947; 429888, 2449935; 430027, 2449699; 430188, 2449521; 429929, 2449537; 429476, 2449343; 429363, 2449149; 429104, 2449036; 428845, 2449149; 428683, 2449052; 427889, 2450524; 428068, 2450621; 428213, 2450767; 428310, 2450751; 428246, 2450265; 428408, 2450055; 428683, 2449845; 429007, 2449909; 428650, 2450120; 428440, 2450557; 428537, 2450718; 428958, 2450783; 429427, 2450265; 429201, 2450880; 429492, 2451025; 429946, 2451122; 430188, 2451106; 430593, 2451284; 431257, 2450831; 431095, 2451316; 431484, 2451672; 431888, 2451818; 432115, 2451640; 432244, 2451801; 432423, 2452044; 432633, 2452141; 433604, 2451866; 433766, 2452011; 433556, 2452804; 433863, 2452933; 434301, 2453208; 434721, 2453369; 434754, 2453676; 434964, 2453790; 435126, 2454064; 435353, 2453984; 435337, 2454242; 435531, 2454355; 436162, 2454064; 436017, 2454630; 436502, 2454873; 436794, 2454598; 436810, 2455115; 437117, 2455228; 437263, 2455082; 437441, 2455390; 437733, 2455567; 438186, 2455874; 438267, 2455454; 438526, 2454985; 438769, 2454354; 438882, 2454807; 438866, 2455244; 438720, 2455745; 438688, 2456181; 438931, 2456133; 438931, 2456391; 439352, 2456747; return to starting point.

(B) NOTE: Map 141 follows:

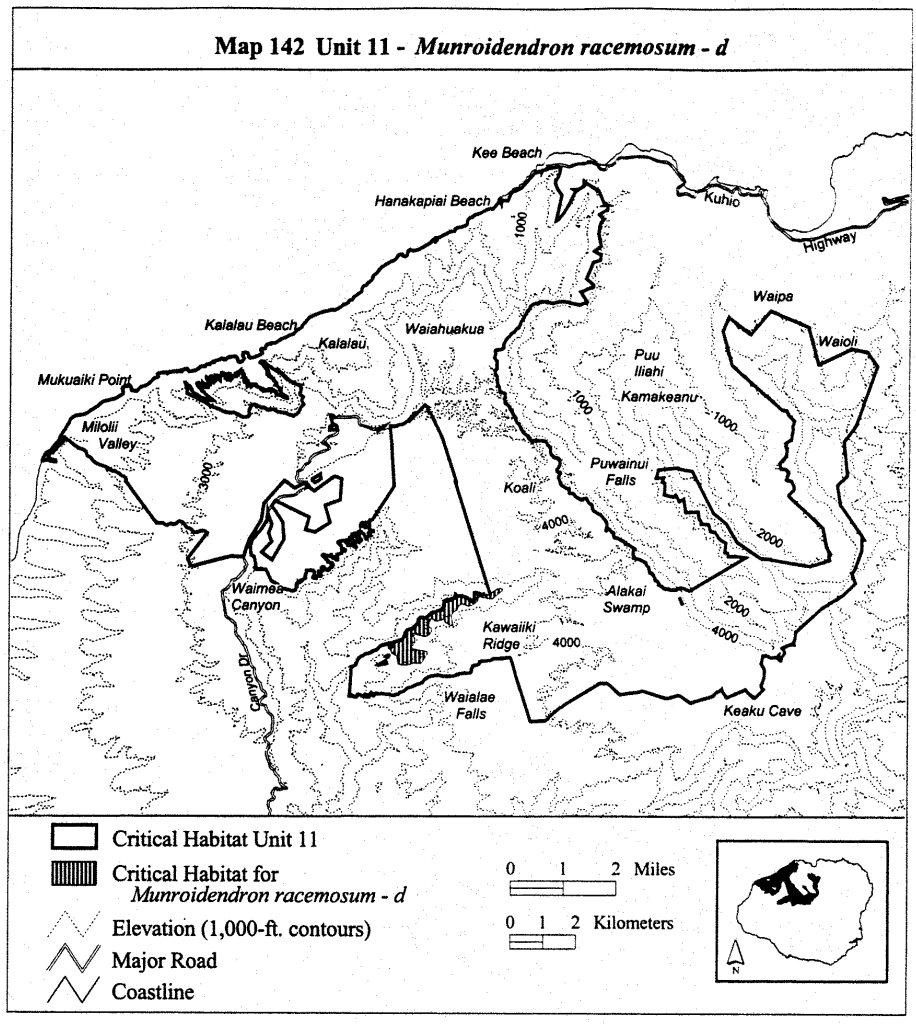


(cclii) Kauai 11—*Munroidendron racemosum*—d (153 ha; 379 ac)

(A) Unit consists of the following 285 boundary points: Start at 435336, 2442801; 435344, 2442802; 435367, 2442807; 435391, 2442814; 435415, 2442819; 435435, 2442826; 435454, 2442831; 435476, 2442838; 435496, 2442844; 435516, 2442850; 435530, 2442853; 435534, 2442855; 435543, 2442858; 435556, 2442862; 435571, 2442867; 435585, 2442876; 435598, 2442885; 435608, 2442891; 435619, 2442899; 435627, 2442904; 435642, 2442920; 435658, 2442932; 435668, 2442948; 435673, 2442959; 435681, 2442977; 435688, 2442995; 435693, 2443006; 435698, 2443024; 435704, 2443036; 435708, 2443047; 435715, 2443064; 435722, 2443078; 435725, 2443086; 435729, 2443093; 435735, 2443103; 435738, 2443112; 435743, 2443127; 435749, 2443138; 435753, 2443149; 435757, 2443155; 435766, 2443169; 435778, 2443179; 435790, 2443186; 435804, 2443188; 435821, 2443194; 435842, 2443199; 435861, 2443202; 435874, 2443204; 435889, 2443208; 435904, 2443211; 435933, 2443223; 435942, 2443232; 435949, 2443246; 435958, 2443255; 435969, 2443263; 435979,

2443271; 435993, 2443281; 436010, 2443297; 436032, 2443316; 436048, 2443332; 436064, 2443343; 436080, 2443358; 436089, 2443375; 436095, 2443390; 436100, 2443403; 436107, 2443421; 436113, 2443456; 436118, 2443477; 436123, 2443502; 436134, 2443520; 436146, 2443534; 436160, 2443543; 436175, 2443554; 436190, 2443560; 436213, 2443563; 436227, 2443563; 436240, 2443562; 436254, 2443557; 436265, 2443552; 436274, 2443547; 436287, 2443540; 436300, 2443537; 436315, 2443532; 436328, 2443529; 436337, 2443528; 436348, 2443531; 436357, 2443536; 436369, 2443546; 436380, 2443558; 436392, 2443572; 436403, 2443585; 436421, 2443611; 436438, 2443631; 436460, 2443655; 436478, 2443676; 436497, 2443688; 436518, 2443696; 436534, 2443700; 436558, 2443707; 436576, 2443711; 436597, 2443714; 436611, 2443716; 436630, 2443718; 436644, 2443720; 436655, 2443724; 436666, 2443731; 436678, 2443742; 436697, 2443756; 436708, 2443763; 436726, 2443769; 436745, 2443772; 436758, 2443775; 436771, 2443776; 436788, 2443776; 436799, 2443778; 436808, 2443781; 436818, 2443785; 436823, 2443786; 436829, 2443790; 436837, 2443797; 436841, 2443801; 436845, 2443807; 436852, 2443819; 436861, 2443831; 436870, 2443847; 436882, 2443863; 436890, 2443877; 436900, 2443900; 436911, 2443923; 436914, 2443936; 436914, 2443948; 436913, 2443962; 436910, 2443981; 436908, 2443995; 436908, 2444013; 436911, 2444027; 436918, 2444040; 436926, 2444047; 436933, 2444055; 436942, 2444065; 436951, 2444073; 436961, 2444084; 436969, 2444094; 436975, 2444098; 436983, 2444102; 436994, 2444107; 437009, 2444108; 437026, 2444105; 437049, 2444100; 437067, 2444092; 437076, 2444089; 437106, 2444090; 437119, 2444096; 437128, 2444104; 437133, 2444112; 437137, 2444122; 437144, 2444130; 437156, 2444135; 437169, 2444141; 437183, 2444150; 437191, 2444154; 437202, 2444165; 437212, 2444177; 437228, 2444198; 437239, 2444213; 437245, 2444227; 437254, 2444239; 437263, 2444246; 437278, 2444240; 437294, 2444234; 437310, 2444225; 437332, 2444217; 437351, 2444217; 437370, 2444223; 437391, 2444223; 437412, 2444226; 437428, 2444226; 437445, 2444223; 437462, 2444219; 437482, 2444211; 437497, 2444205; 437541, 2444190; 437563, 2444183; 437578, 2444179; 437593, 2444170; 437610, 2444160; 437624, 2444146; 437636, 2444132; 437651, 2444119; 437671, 2444112; 437691, 2444102; 437703, 2444093; 437722, 2444082; 437732, 2444069; 437749, 2444061; 437758, 2444058; 437768, 2444060; 437780, 2444066; 437810, 2444080; 437821, 2444088; 437831, 2444100; 437833, 2444111; 437835, 2444126; 437833, 2444139; 437827, 2444163; 437822, 2444185; 437820, 2444206; 437818, 2444236; 437824, 2444265; 437828, 2444292; 437836, 2444314; 437843, 2444322; 437854, 2444327; 437871, 2444328; 437887, 2444323; 437909, 2444314; 437933, 2444302; 437960, 2444289; 437984, 2444274; 438007, 2444260; 438028, 2444258; 438048, 2444258; 438072, 2444260; 438087, 2444266; 438109, 2444271; 438133, 2444273; 438164, 2444270; 438196, 2444263; 438335, 2444214; 438303, 2444314; 438357, 2444311; 438545, 2444430; 438620, 2444455; 438689, 2444411; 438677, 2444367; 438369, 2444110; 438043, 2444185; 437955, 2444185; 437924, 2444047; 437774, 2443928; 437661, 2443897; 437460, 2443978; 437341, 2443897; 437303, 2443797; 437203, 2443715; 437140, 2443634; 437121, 2443571; 437184, 2443308; 437096, 2443314; 436921, 2443427; 436914, 2443515; 436801, 2443471; 436670, 2443446; 436507, 2443533; 436469, 2443421; 436431, 2443295; 436507, 2443232; 436519, 2443113; 436463, 2443038; 436312, 2442963; 435955, 2443082; 435942, 2443026; 436030, 2442844; 435904, 2442731; 435930, 2442618; 436099, 2442574; 436369, 2442530; 436413, 2442455; 436212, 2442160; 435973, 2442179; 435785, 2442110; 435641, 2442110; 435509, 2442141; 435453, 2442361; 435447, 2442399; 435309, 2442486; 435169, 2442771; 435184, 2442774; 435201, 2442777; 435219, 2442778; 435237, 2442782; 435251, 2442783; 435228, 2442762; 435237, 2442643; 435284, 2442631; return to starting point.

(B) NOTE: Map 142 follows:



(ccliii) Kauai 11–*Myrsine knudsenii*–a

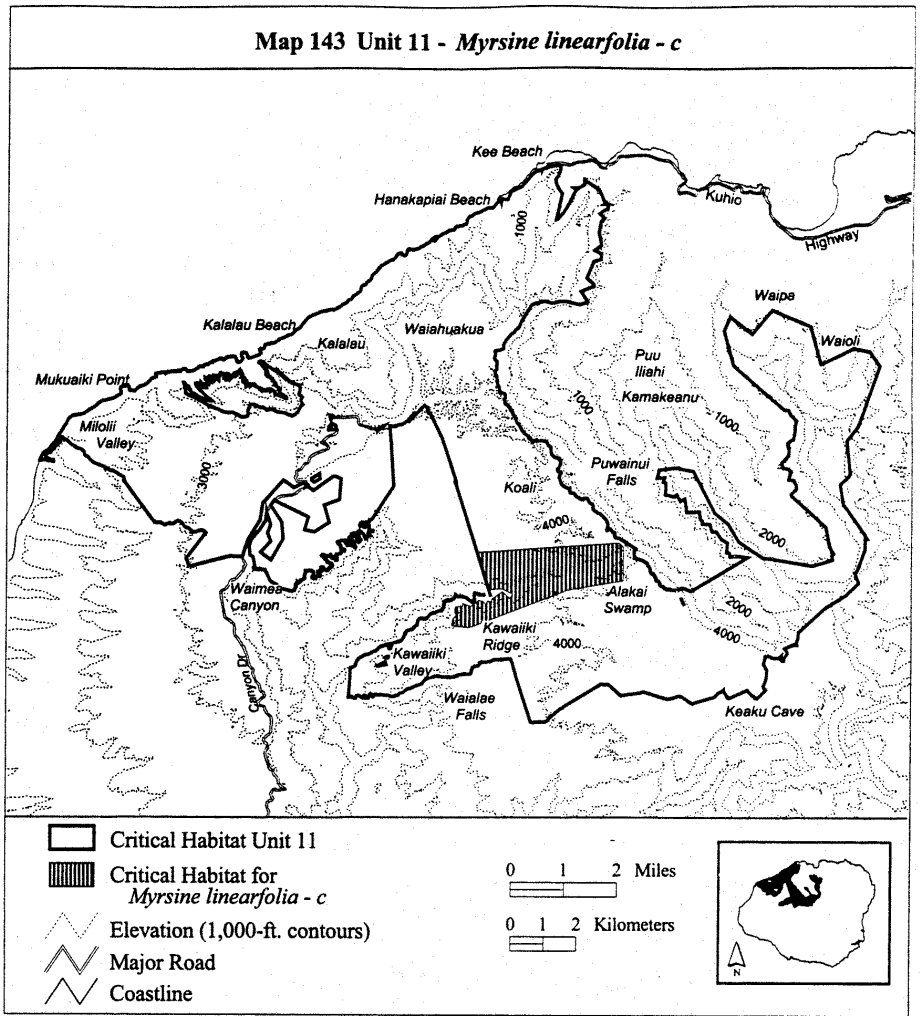
(A) See paragraph (a)(1)(cxlvi)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(cxlvi)(B) of this section for the map of this unit.

(ccliv) Kauai 11—*Myrsine linearifolia*—c (684 ha; 1,691 ac)

(A) Unit consists of the following 28 boundary points: Start at 442333, 2445731; 442333, 2444698; 440696, 2444413; 437673, 2443278; 437145, 2443341; 437172, 2443520; 437271, 2443636; 437235, 2443770; 437262, 2443895; 437467, 2443931; 437476, 2444011; 437718, 2443913; 437915, 2444047; 437977, 2444118; 438031, 2444065; 438076, 2444083; 438174, 2443957; 438237, 2444083; 438353, 2444038; 438362, 2444127; 438675, 2444351; 438907, 2444154; 438997, 2444297; 438675, 2444449; 438344, 2444431; 438272, 2444411; 437909, 2445539; 442203, 2445834; return to starting point.

(B) NOTE: Map 143 follows:

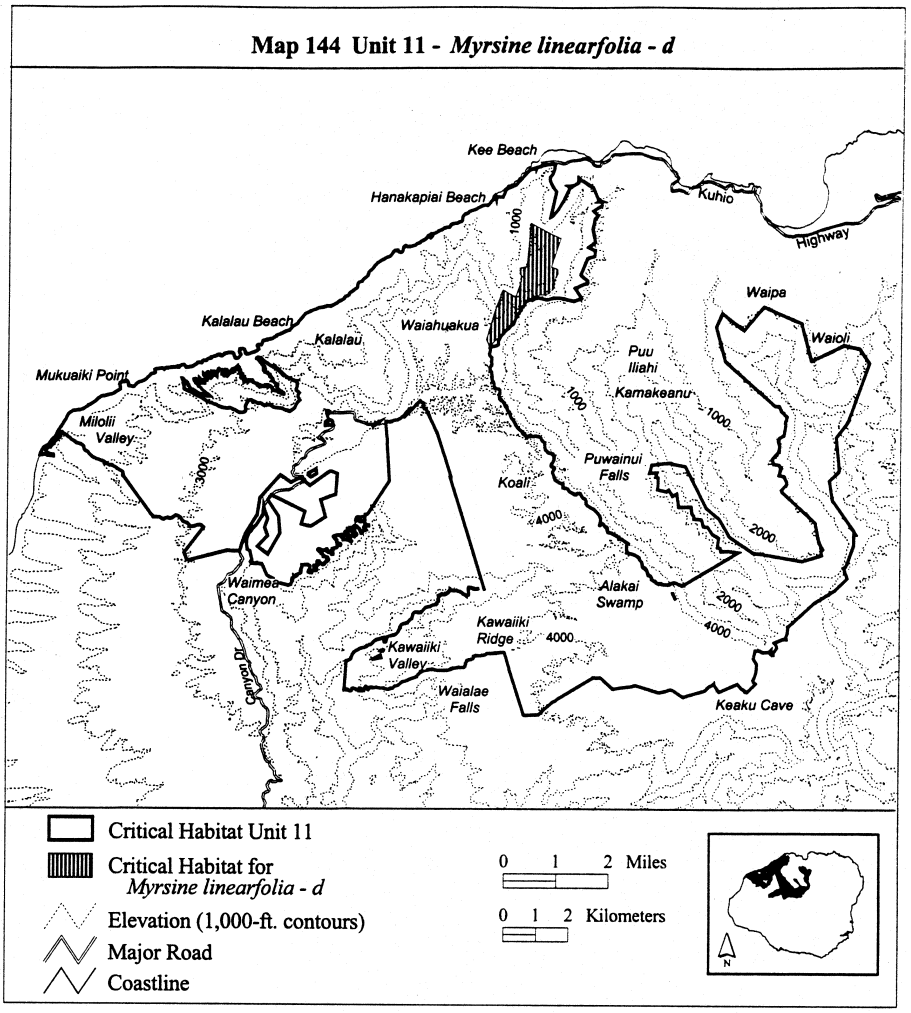


(cclv) Kauai 11—*Myrsine linearifolia*—d (286 ha; 707 ac)

(A) Unit consists of the following 63 boundary points: Start at 439347, 2452789; 439324, 2452794; 439098, 2452402; 438924, 2452225; 438478, 2451772; 438422, 2451715; 438396, 2451689; 438313, 2451903; 438586, 2452835; 438813, 2453426; 439200, 2453198; 439382, 2453721; 439337, 2454084; 439541, 2454152; 439654, 2455463; 439655, 2455470; 440286, 2455134; 440577, 2454992; 440294, 2454127; 440499, 2454060; 440485, 2453995; 440492, 2453950; 440484, 2453922; 440461, 2453865; 440450, 2453851; 440432, 2453815; 440421, 2453780; 440412, 2453745; 440410, 2453716; 440404, 2453694; 440384, 2453655; 440378, 2453623; 440380, 2453590; 440370, 2453517; 440363, 2453496; 440355, 2453461; 440350, 2453451; 440333, 2453428; 440315, 2453408; 440288, 2453388; 440275, 2453381; 440244, 2453334; 440223, 2453322; 440199, 2453305; 440147, 2453289; 440119, 2453282; 440093, 2453280; 439987, 2453284; 439962, 2453283; 439924, 2453275; 439905, 2453264; 439787, 2453162; 439724, 2453135; 439639, 2453119; 439600, 2453107; 439553,

2453082; 439503, 2453046; 439481, 2453022; 439473, 2452985; 439464, 2452963; 439414, 2452909; 439390, 2452876; 439355, 2452801; return to starting point.

(B) NOTE: Map 144 follows:



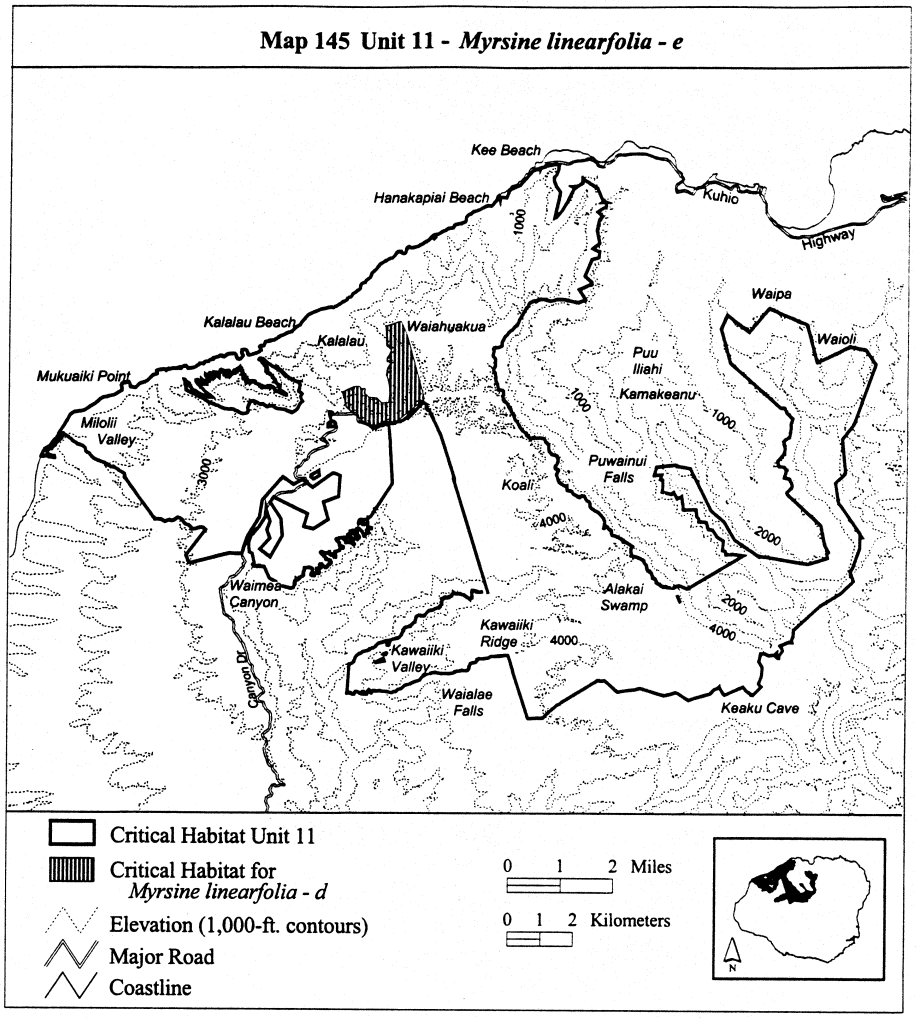
(cclvi) Kauai 11—*Myrsine linearifolia*—e (346 ha; 854 ac)

(A) Unit consists of the following 37 boundary points: Start at 435236, 2449351; 435214, 2449343; 434747, 2449168; 434654, 2449245; 433915, 2449865; 433804, 2450325; 434145, 2450488; 434338, 2450503; 434390, 2450429; 434502, 2450436; 434502, 2450273; 434628, 2450169; 434865, 2450147; 435006, 2450006; 435214, 2450013; 435244, 2450221; 435251, 2450473; 435185, 2450740; 435133, 2450859; 435177, 2451044; 435274, 2451237; 435162, 2451259; 435162, 2451370; 435244, 2451497; 435296, 2451623; 435140, 2451756; 435140, 2451934; 435128, 2452353; 435588, 2452504; 435771, 2452090; 436320,

2450124; 435496, 2449449; 435298, 2449375; 435292, 2449379; 435269, 2449384; 435247, 2449385; 435234, 2449384; return to starting point.

(B) Excluding 1 area bounded by the following 11 points (<1 ha, 1 ac): Start at 434908, 2449290; 434890, 2449251; 434848, 2449239; 434839, 2449258; 434834, 2449277; 434833, 2449281; 434881, 2449297; 435011, 2449352; 435005, 2449310; 434948, 2449300; 434908, 2449290; return to starting point.

(C) NOTE: Map 145 follows:

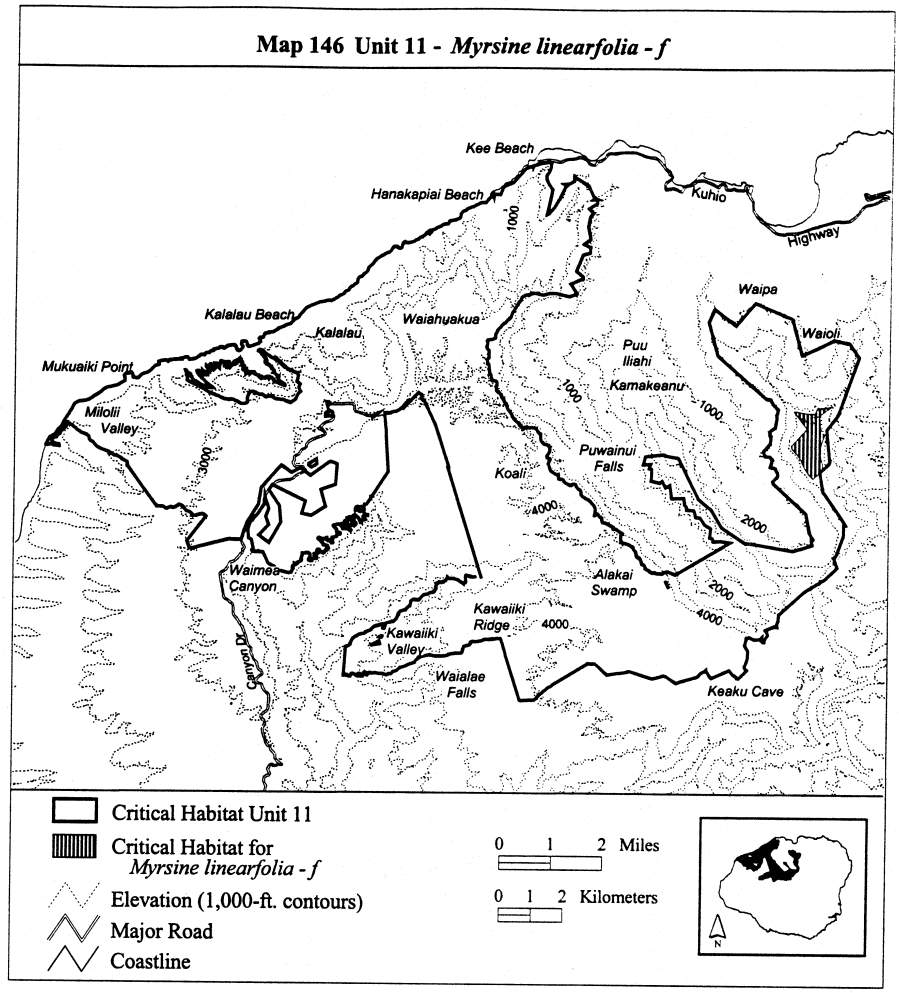


(cclvii) Kauai 11—*Myrsine linearifolia*—f (135 ha; 334 ac)

(A) Unit consists of the following 30 boundary points: Start at 448856, 2449342; 448879, 2449102; 448899, 2448999; 449002, 2448742; 448894, 2448428; 448894, 2448078; 448920, 2447996; 448961, 2447831; 448961, 2447718; 448964, 2447690; 448881, 2447609; 448665, 2447400; 448662, 2447404; 448498, 2447589; 448384, 2447738; 448322,

2447877; 448286, 2448006; 448147, 2448186; 447988, 2448356; 447981, 2448434; 448470, 2448968; 448049, 2449503; 448160, 2449510; 448320, 2449476; 448515, 2449449; 448732, 2449449; 448783, 2449616; 448980, 2449613; 449250, 2449685; 448853, 2449375; return to starting point.

(B) NOTE: Map 146 follows:



(cclviii) Kauai 11–*Myrsine mezii*–b

(A) See paragraph (a)(1)(cxxx)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(cxxx)(B) of this section for the map of this unit.

(cclix) Kauai 11–*Myrsine mezii*–c

(A) See paragraph (a)(1)(cxlvi)(A) of this section for the textual description of this unit.

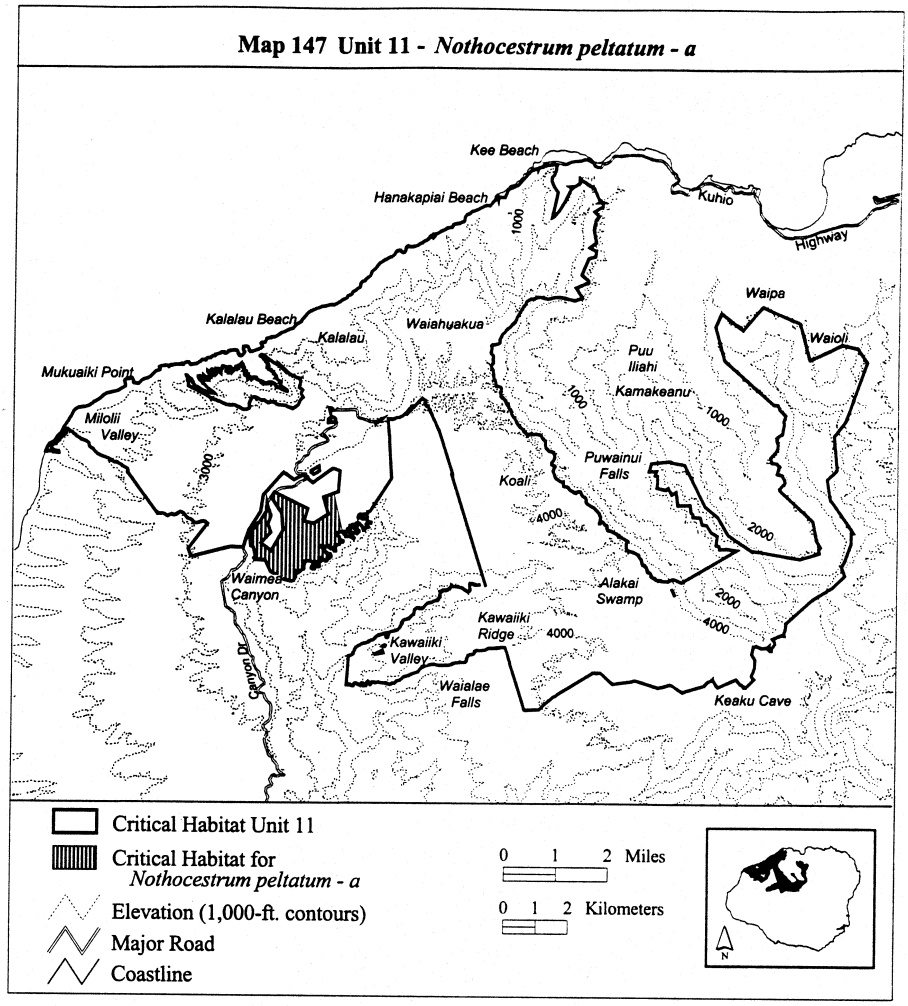
(B) See paragraph (a)(1)(cxlvi)(B) of this section for the map of this unit.

(cclx) Kauai 11—*Nothocestrum peltatum*—a (427 ha; 1,056 ac)

(A) Unit consists of the following 418 boundary points: Start at 433577, 2447086; 433840, 2445888; 433837, 2445891; 433826, 2445896; 433791, 2445897; 433775, 2445901; 433758, 2445896; 433730, 2445871; 433708, 2445866; 433689, 2445873; 433675, 2445873; 433653, 2445857; 433650, 2445838; 433656, 2445820; 433690, 2445778; 433718, 2445762; 433735, 2445756; 433750, 2445748; 433756, 2445723; 433755, 2445706; 433759, 2445665; 433764, 2445656; 433781, 2445647; 433824, 2445642; 433851, 2445636; 433868, 2445628; 433879, 2445615; 433881, 2445595; 433867, 2445582; 433854, 2445582; 433827, 2445587; 433805, 2445594; 433787, 2445596; 433772, 2445590; 433763, 2445575; 433770, 2445538; 433773, 2445524; 433772, 2445519; 433762, 2445509; 433749, 2445500; 433732, 2445496; 433717, 2445497; 433708, 2445498; 433696, 2445499; 433686, 2445494; 433668, 2445480; 433655, 2445475; 433647, 2445474; 433635, 2445470; 433628, 2445467; 433621, 2445463; 433616, 2445456; 433609, 2445448; 433604, 2445445; 433598, 2445437; 433595, 2445433; 433595, 2445428; 433599, 2445420; 433611, 2445391; 433614, 2445376; 433620, 2445365; 433629, 2445356; 433637, 2445346; 433639, 2445336; 433641, 2445327; 433641, 2445319; 433637, 2445311; 433625, 2445307; 433619, 2445305; 433611, 2445307; 433604, 2445309; 433600, 2445313; 433591, 2445329; 433586, 2445341; 433582, 2445346; 433577, 2445353; 433573, 2445358; 433568, 2445366; 433567, 2445374; 433565, 2445381; 433564, 2445388; 433563, 2445395; 433562, 2445398; 433561, 2445399; 433556, 2445403; 433548, 2445403; 433527, 2445398; 433494, 2445388; 433477, 2445386; 433469, 2445388; 433463, 2445394; 433459, 2445402; 433456, 2445410; 433455, 2445416; 433452, 2445424; 433452, 2445436; 433451, 2445445; 433450, 2445450; 433449, 2445457; 433448, 2445461; 433446, 2445465; 433442, 2445467; 433438, 2445470; 433431, 2445468; 433426, 2445464; 433420, 2445459; 433413, 2445452; 433405, 2445444; 433396, 2445440; 433373, 2445432; 433344, 2445421; 433332, 2445422; 433317, 2445424; 433307, 2445428; 433288, 2445435; 433272, 2445440; 433260, 2445444; 433247, 2445450; 433242, 2445455; 433237, 2445459; 433233, 2445462; 433226, 2445466; 433221, 2445464; 433201, 2445464; 433193, 2445466; 433187, 2445464; 433181, 2445460; 433179, 2445455; 433179, 2445445; 433180, 2445437; 433192, 2445424; 433199, 2445416; 433225, 2445390; 433249, 2445376; 433262, 2445366; 433268, 2445357; 433274, 2445351; 433279, 2445342; 433287, 2445336; 433298, 2445333; 433312, 2445324; 433316, 2445313; 433323, 2445297; 433334, 2445273; 433342, 2445263; 433353, 2445252; 433362, 2445247; 433375, 2445242; 433386, 2445238; 433401, 2445232; 433411, 2445227; 433422, 2445223; 433432, 2445221; 433450, 2445220; 433460, 2445216; 433471, 2445210; 433482, 2445197; 433506, 2445166; 433514, 2445158; 433515, 2445153; 433512, 2445142; 433510, 2445136; 433508, 2445133; 433505, 2445128; 433500, 2445122; 433495, 2445122; 433487, 2445127; 433480, 2445134; 433474, 2445142; 433469, 2445149; 433467, 2445153; 433464, 2445154; 433457, 2445154; 433455, 2445147; 433452, 2445137; 433446, 2445124; 433444, 2445112; 433441, 2445104; 433438, 2445101; 433432, 2445099; 433423, 2445093; 433413, 2445082; 433395, 2445069; 433387, 2445061; 433382, 2445052; 433380, 2445044; 433380, 2445034; 433381, 2445023; 433380, 2445014; 433379, 2445000; 433377, 2444996; 433370, 2444993; 433363, 2444994; 433357, 2444996; 433351, 2444997; 433345, 2444992; 433337, 2444989; 433330, 2444988; 433322, 2444991; 433307, 2444999; 433290, 2445012; 433274, 2445023; 433259, 2445036; 433236, 2445061; 433216, 2445082; 433207, 2445091; 433201, 2445098; 433195, 2445100; 433189, 2445105; 433182, 2445104; 433177, 2445100; 433173, 2445094; 433172, 2445090; 433168, 2445082; 433164, 2445076; 433159, 2445071; 433154, 2445066; 433147, 2445060; 433142, 2445051; 433139, 2445045; 433140, 2445035; 433142, 2445021; 433156, 2444993; 433163, 2444982; 433166, 2444972; 433166, 2444968; 433160, 2444959; 433153, 2444957; 433144, 2444955; 433138, 2444957; 433130, 2444960; 433105, 2444969; 433093, 2444973; 433082, 2444973; 433074, 2444972; 433066, 2444967; 433062, 2444959; 433058, 2444952; 433059, 2444943; 433060, 2444935; 433064, 2444920; 433069, 2444904; 433075, 2444892; 433078, 2444882; 433084, 2444873; 433092, 2444865; 433104, 2444854; 433113, 2444850; 433129, 2444843; 433138, 2444838; 433143, 2444831; 433144, 2444823; 433144, 2444816; 433143, 2444809; 433135, 2444804; 433124, 2444798; 433119, 2444799; 433108, 2444802; 433094, 2444809; 433077, 2444818; 433063, 2444822; 433054, 2444823; 433052, 2444823; 433047, 2444824; 433039, 2444823; 433028, 2444822; 433019, 2444816; 433011, 2444803; 433002, 2444794; 432993, 2444790; 432986, 2444785; 432986, 2444775; 432988, 2444765; 432993, 2444751; 432985, 2444746; 432976, 2444744; 432960, 2444745; 432951, 2444751; 432948, 2444755; 432944, 2444759; 432939, 2444764; 432936, 2444764; 432925, 2444762; 432914, 2444760; 432908, 2444760; 432899, 2444762; 432891, 2444767; 432887, 2444774; 432887, 2444783; 432892, 2444797; 432903,

2444816; 432916, 2444838; 432921, 2444848; 432923, 2444864; 432929, 2444881; 432933, 2444897; 432934, 2444908; 432933, 2444926; 432933, 2444939; 432932, 2444945; 432930, 2444950; 432927, 2444958; 432921, 2444964; 432915, 2444967; 432907, 2444971; 432897, 2444974; 432883, 2444981; 432878, 2444986; 432872, 2444994; 432865, 2444999; 432855, 2445005; 432846, 2445005; 432838, 2445004; 432830, 2445001; 432821, 2444996; 432812, 2444993; 432801, 2444987; 432788, 2444983; 432772, 2444979; 432761, 2444976; 432744, 2444977; 432730, 2444975; 432714, 2444977; 432710, 2444979; 432706, 2444980; 432698, 2444983; 432692, 2444979; 432689, 2444973; 432688, 2444963; 432681, 2444920; 432680, 2444909; 432670, 2444895; 432664, 2444887; 432659, 2444878; 432657, 2444870; 432657, 2444858; 432655, 2444834; 432653, 2444828; 432648, 2444816; 432642, 2444806; 432640, 2444794; 432644, 2444781; 432650, 2444769; 432655, 2444759; 432657, 2444744; 432652, 2444736; 432645, 2444730; 432634, 2444723; 432606, 2444708; 432584, 2444702; 432554, 2444687; 432542, 2444682; 432534, 2444675; 432528, 2444668; 432520, 2444659; 432513, 2444645; 432507, 2444636; 432500, 2444628; 432490, 2444621; 432480, 2444618; 432473, 2444616; 432465, 2444617; 432453, 2444622; 432444, 2444625; 432437, 2444621; 432427, 2444610; 432417, 2444591; 432405, 2444574; 432401, 2444563; 432401, 2444556; 432401, 2444546; 432400, 2444539; 432399, 2444527; 432393, 2444513; 432387, 2444505; 432387, 2444498; 432388, 2444489; 432389, 2444479; 432386, 2444468; 432379, 2444452; 432369, 2444432; 432357, 2444408; 432350, 2444397; 432346, 2444391; 432343, 2444389; 432340, 2444387; 432336, 2444386; 432313, 2444377; 432297, 2444371; 432275, 2444356; 431885, 2444462; 431820, 2444555; 431615, 2444657; 431445, 2445015; 431137, 2445031; 431104, 2445078; 431153, 2445133; 431083, 2445402; 430991, 2445457; 430977, 2445767; 431060, 2445963; 431278, 2446215; 431483, 2446536; 431491, 2446759; 431622, 2446390; 431522, 2446121; 431622, 2445871; 431312, 2445542; 431632, 2445303; 432001, 2445941; 431961, 2446460; 431624, 2446959; 431732, 2447115; 432759, 2446609; 432659, 2446240; 432948, 2446150; 433397, 2446440; 433257, 2446958; return to starting point.

(B) NOTE: Map 147 follows:



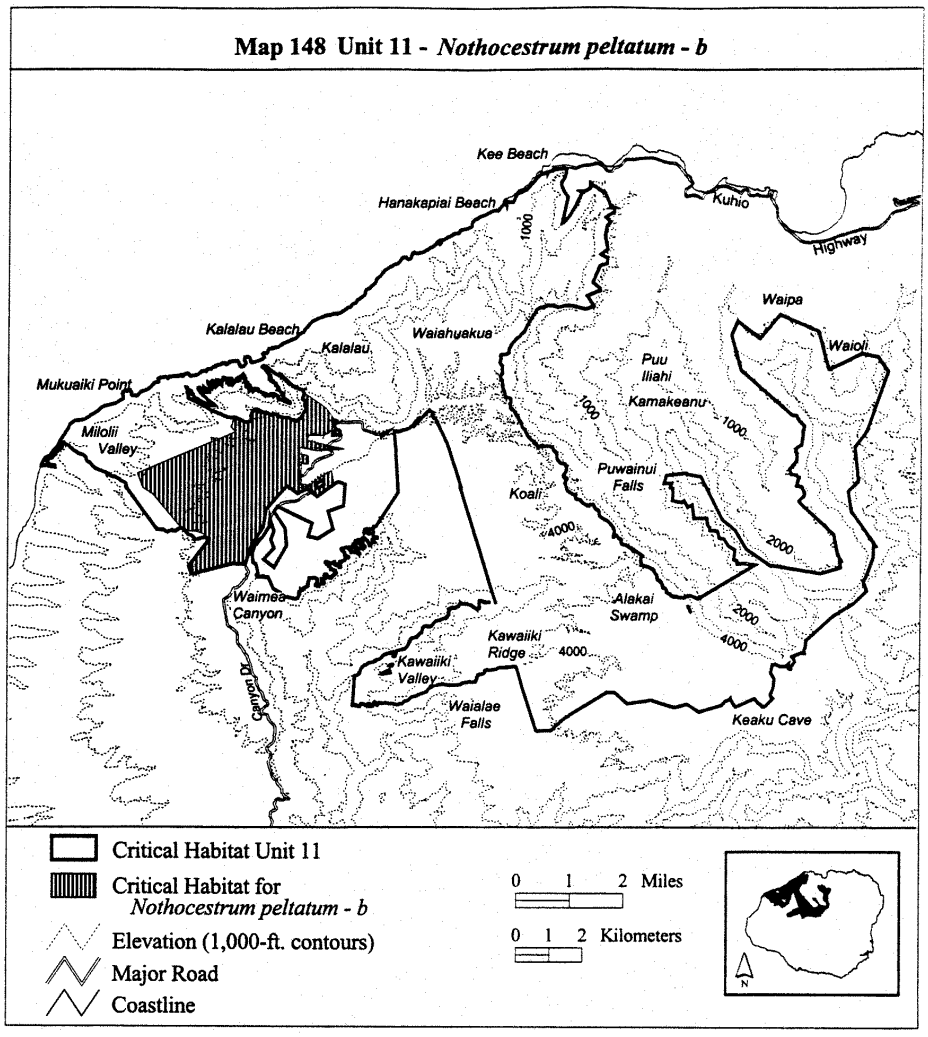
(cclxi) Kauai 11—*Nothocestrum peltatum*—b (1,464 ha; 3,617 ac)

(A) Unit consists of the following 125 boundary points: Start at 433416, 2449553; 433413, 2449527; 433251, 2449306; 433081, 2449255; 432650, 2449255; 432630, 2449144; 432587, 2449098; 433711, 2448846; 432893, 2448778; 432382, 2448880; 432382, 2448693; 432638, 2448625; 432638, 2448387; 432433, 2448387; 432416, 2447995; 432432, 2447806; 432433, 2447791; 432672, 2447739; 432961, 2447978; 433336, 2448182; 433424, 2447780; 432918, 2447407; 432609, 2447647; 432320, 2447497; 432136, 2447629; 432001, 2447726; 431369, 2447027; 431298, 2446522; 430955, 2445963; 430827, 2445619; 430759, 2445406; 430405, 2445422; 429257, 2445126; 429144, 2445121; 429062, 2445354; 429654, 2446125; 429591, 2446167; 429485, 2446305; 429263, 2446389; 429094, 2446389; 428972, 2446421; 428912, 2446468; 428912, 2446468; 428911, 2446468; 428904, 2446474; 428793, 2446542; 428773, 2446550; 428747, 2446566; 427960, 2447503; 427660, 2447675; 427505, 2448103; 429733, 2449052; 429708, 2449170; 429968, 2449152; 430437, 2449352; 430418, 2449395; 430369, 2449433; 430355, 2449451; 430349, 2449466; 430335, 2449474; 430318,

2449477; 430307, 2449482; 430312, 2449517; 430313, 2449532; 430320, 2449553; 430331, 2449565; 430346, 2449596; 430354, 2449622; 430355, 2449641; 430348, 2449666; 430376, 2449750; 430384, 2449766; 430406, 2449796; 430471, 2449787; 430527, 2449754; 430583, 2449736; 430635, 2449693; 430696, 2449656; 430720, 2449646; 430819, 2449646; 430899, 2449674; 430918, 2449717; 430904, 2449834; 430927, 2449905; 430955, 2449985; 430993, 2450032; 431068, 2450041; 431153, 2450008; 431238, 2449970; 431285, 2449942; 431360, 2449956; 431449, 2449886; 431497, 2449867; 431605, 2449895; 431657, 2449890; 431699, 2449876; 431765, 2449810; 431864, 2449801; 431981, 2449792; 432047, 2449787; 432113, 2449740; 432217, 2449712; 432259, 2449679; 432344, 2449744; 432419, 2449806; 432471, 2449904; 432504, 2449961; 432579, 2450036; 432551, 2450083; 432523, 2450130; 432523, 2450182; 432565, 2450262; 432523, 2450304; 432475, 2450313; 432452, 2450337; 432461, 2450375; 432480, 2450426; 432490, 2450478; 432501, 2450529; 432504, 2450525; 432504, 2450527; 433152, 2450085; 433399, 2449754; 433399, 2449709; 433419, 2449599; return to starting point.

(B) Excluding 1 area bounded by the following 4 points (3 ha, 8 ac): Start at 433109, 2447775; 432932, 2447668; 432827, 2447751; 433094, 2447922; return to starting point.

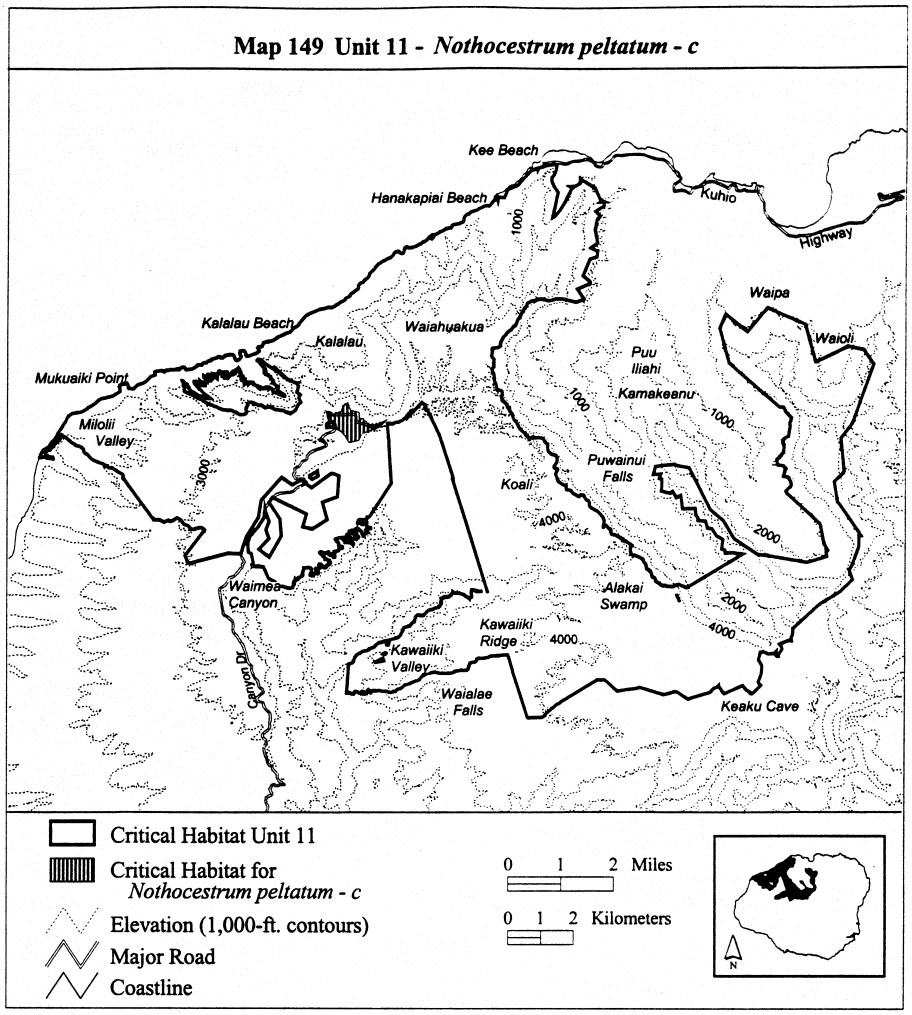
(C) NOTE: Map 148 follows:



(cclxii) Kauai 11—*Nothocestrum peltatum*—c (80 ha; 198 ac)

(A) Unit consists of the following 36 boundary points: Start at 433467, 2449537; 433459, 2449601; 433480, 2449629; 433550, 2449670; 433792, 2449721; 433887, 2449924; 434015, 2449995; 434094, 2449780; 434354, 2449721; 434409, 2449470; 434457, 2449541; 434688, 2449346; 434987, 2449346; 434991, 2449346; 434991, 2449344; 434988, 2449343; 434881, 2449297; 434833, 2449281; 434834, 2449277; 434839, 2449258; 434842, 2449253; 434844, 2449248; 434839, 2449242; 434833, 2449239; 434684, 2449151; 434469, 2449071; 434362, 2448856; 434336, 2448850; 434055, 2448781; 433923, 2449012; 433812, 2449135; 433688, 2449191; 433660, 2449263; 433664, 2449351; 433588, 2449442; 433509, 2449482; return to starting point.

(B) NOTE: Map 149 follows:

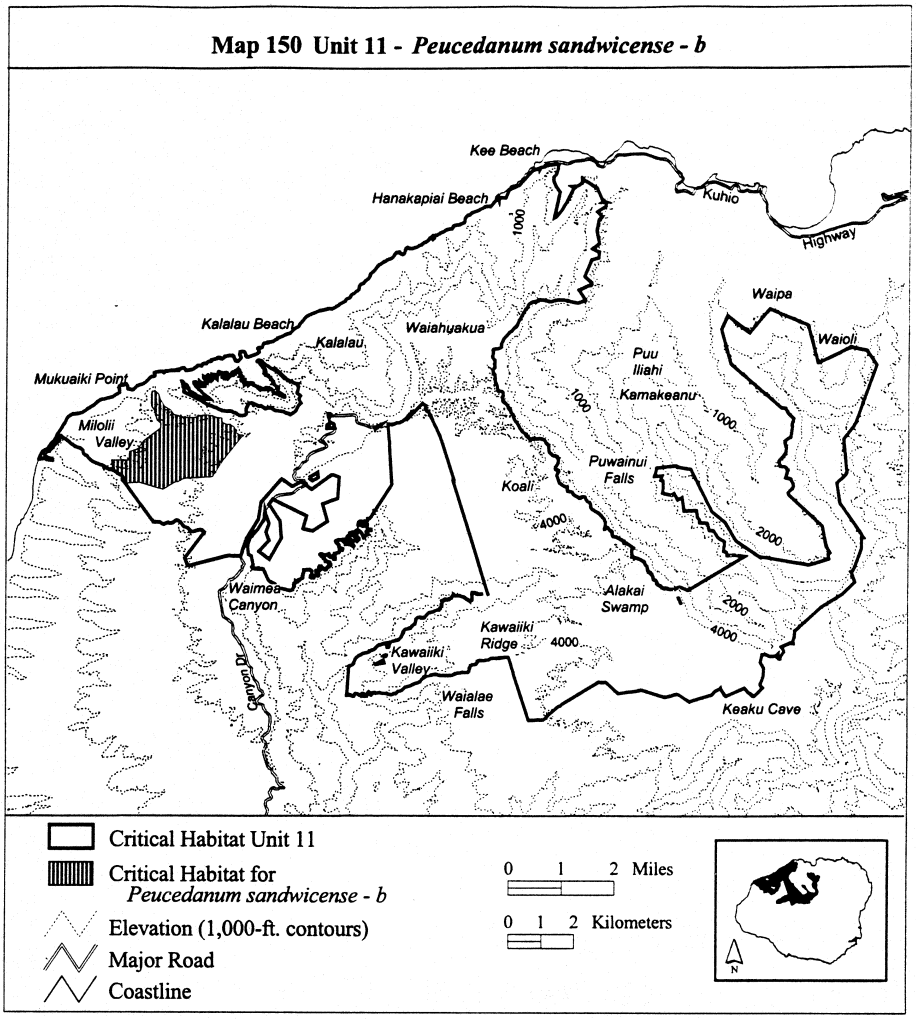


(cclxiii) Kauai 11—*Peucedanum sandwicense*—b (579 ha; 1,430 ac)

(A) Unit consists of the following 91 boundary points: Start at 426832, 2447995; 426843, 2448011; 426810, 2448288; 427346, 2448293; 427357, 2448542; 427623, 2448630; 427799, 2448868; 428291, 2449244; 428313, 2449309; 428313, 2449411; 428205, 2449507; 428142, 2449672; 428131, 2449814; 428029, 2449922; 428017, 2449990; 428017, 2450120; 428017, 2450279; 428034, 2450399; 428142, 2450404; 428245, 2450302; 428302, 2450155; 428364, 2450024; 428409, 2449944; 428523, 2449882; 428637, 2449819; 428705, 2449689; 428847, 2449649; 429000, 2449604; 429194, 2449587; 429341, 2449592; 429501, 2449649; 429677, 2449672; 429876, 2449649; 430006, 2449598; 430009, 2449587; 430011, 2449592; 430066, 2449586; 430177, 2449564; 430182, 2449481; 430221, 2449420; 430359, 2449371; 430420, 2449392; 430437, 2449371; 430430, 2449364; 430451, 2449363; 430463, 2449355; 430474, 2449342; 430485, 2449333; 430527, 2449321; 430531, 2449315; 430531, 2449310; 430534, 2449307; 430545, 2449277; 430559, 2449254; 430604, 2449229; 430616,

2449214; 430623, 2449194; 430623, 2449173; 430616, 2449156; 430619, 2449138; 430629, 2449119; 430643, 2449106; 430666, 2449092; 430680, 2449072; 430824, 2449050; 430232, 2448299; 429895, 2447790; 429381, 2447752; 429032, 2447740; 428839, 2447641; 428767, 2447635; 428380, 2447414; 427650, 2447613; 427235, 2447592; 427185, 2447661; 427161, 2447669; 427157, 2447676; 427157, 2447711; 427175, 2447754; 427176, 2447775; 427171, 2447800; 427160, 2447815; 427124, 2447837; 427084, 2447847; 427039, 2447867; 426997, 2447892; 426981, 2447902; 426958, 2447923; 426944, 2447941; 426907, 2447965; 426847, 2447992; return to starting point.

(B) NOTE: Map 150 follows:

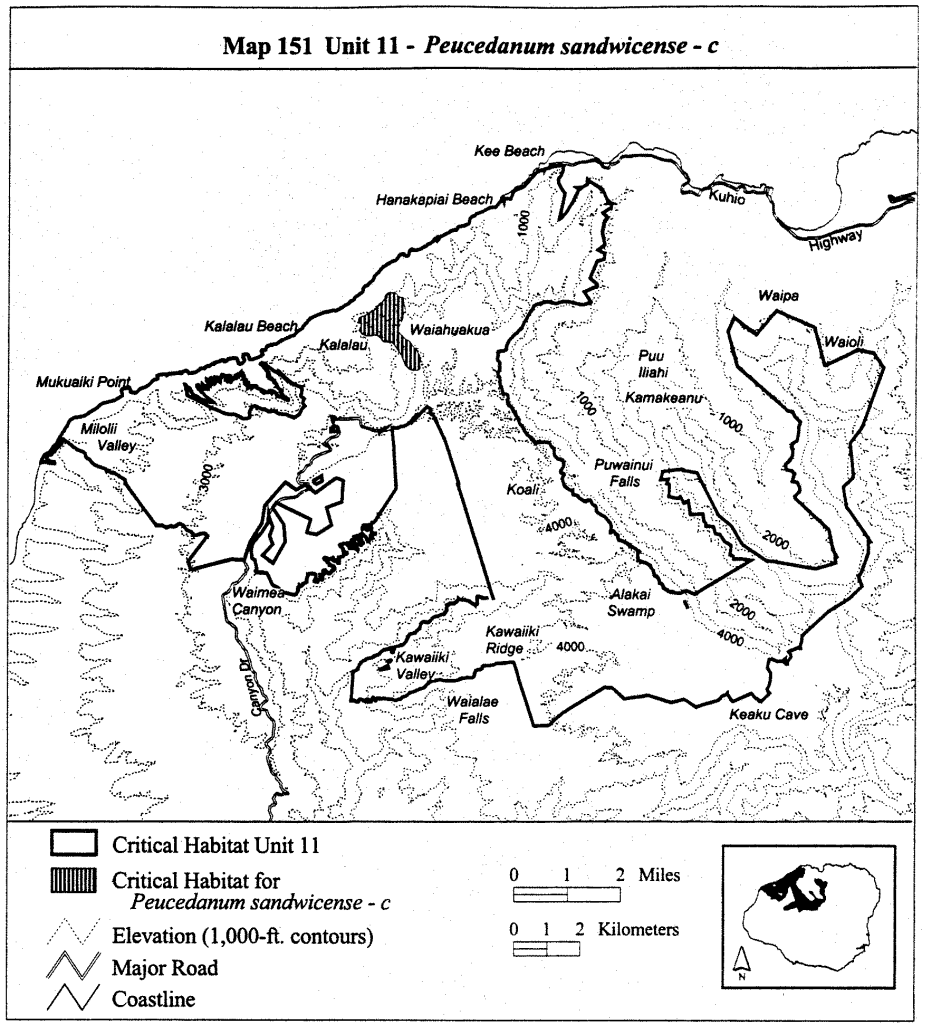


(cclxiv) Kauai 11—*Peucedanum sandwicense*—c (181 ha; 447 ac)

(A) Unit consists of the following 48 boundary points: Start at 435634, 2452896; 435550, 2452817; 435535, 2452664;

435497, 2452553; 435413, 2452410; 435407, 2452304; 435487, 2452193; 435630, 2452061; 435773, 2451976; 435831, 2451875; 435969, 2451706; 436054, 2451547; 436080, 2451431; 436043, 2451304; 436064, 2451177; 435995, 2451108; 435757, 2451140; 435619, 2451272; 435503, 2451574; 435376, 2451759; 435270, 2451902; 435206, 2451981; 434989, 2451976; 434904, 2452029; 434851, 2452114; 434745, 2452198; 434544, 2452161; 434438, 2452167; 434295, 2452225; 434226, 2452320; 434258, 2452437; 434306, 2452516; 434216, 2452564; 434189, 2452680; 434269, 2452749; 434385, 2452775; 434512, 2452849; 434629, 2452913; 434714, 2452971; 434804, 2453108; 434909, 2453188; 434989, 2453272; 435010, 2453389; 435090, 2453452; 435301, 2453468; 435423, 2453341; 435552, 2453315; 435559, 2453209; return to starting point.

(B) NOTE: Map 151 follows:

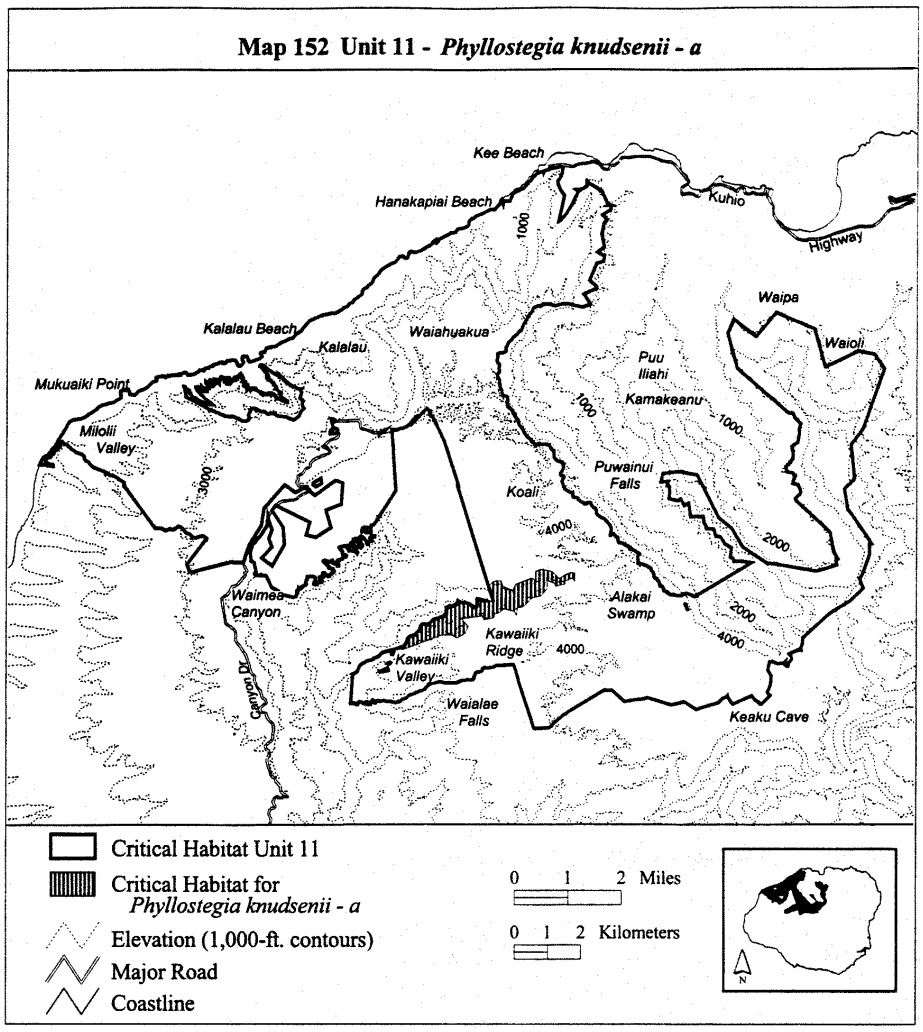


(cclxv) Kauai 11—*Phyllostegia knudsenii*—a (297 ha, 735 ac)

(A) Unit consists of the following 265 boundary points: Start at 438184,

2444684; 438270, 2444792; 438407, 2444861; 438555, 2444861; 438624, 2444693; 438899, 2444575; 438978, 2444733; 439185, 2444831; 439490, 2444929; 439598, 2444880; 439598, 2445136; 439795, 2445214; 440110, 2445136; 440316, 2444919; 440503, 2445047; 440661, 2445106; 440788, 2445096; 440759, 2444831; 440720, 2444949; 440474, 2444850; 440493, 2444762; 440188, 2444693; 440188, 2444791; 439933, 2444880; 439962, 2444723; 439933, 2444605; 439775, 2444418; 439490, 2444349; 439362, 2444202; 439195, 2444064; 439037, 2444054; 439027, 2443818; 438949, 2443946; 438634, 2444025; 438516, 2443897; 438358, 2443858; 438348, 2443749; 438034, 2443681; 437984, 2443808; 437384, 2443720; 437571, 2443494; 437473, 2443268; 437227, 2443140; 437069, 2443228; 436774, 2443228; 435545, 2442770; 435532, 2442855; 435534, 2442855; 435543, 2442858; 435556, 2442862; 435571, 2442867; 435585, 2442876; 435598, 2442885; 435608, 2442891; 435619, 2442899; 435627, 2442904; 435642, 2442920; 435658, 2442932; 435668, 2442948; 435673, 2442959; 435681, 2442977; 435688, 2442995; 435693, 2443006; 435698, 2443024; 435704, 2443036; 435708, 2443047; 435715, 2443064; 435722, 2443078; 435725, 2443086; 435729, 2443093; 435735, 2443103; 435738, 2443112; 435743, 2443127; 435749, 2443138; 435753, 2443149; 435757, 2443155; 435766, 2443169; 435778, 2443179; 435790, 2443186; 435804, 2443188; 435821, 2443194; 435842, 2443199; 435861, 2443202; 435874, 2443204; 435889, 2443208; 435904, 2443211; 435933, 2443223; 435942, 2443232; 435949, 2443246; 435958, 2443255; 435969, 2443263; 435979, 2443271; 435993, 2443281; 436010, 2443297; 436032, 2443316; 436048, 2443332; 436064, 2443343; 436080, 2443358; 436089, 2443375; 436095, 2443390; 436100, 2443403; 436107, 2443421; 436113, 2443456; 436118, 2443477; 436123, 2443502; 436134, 2443520; 436146, 2443534; 436160, 2443543; 436175, 2443554; 436190, 2443560; 436213, 2443563; 436227, 2443563; 436240, 2443562; 436254, 2443557; 436265, 2443552; 436274, 2443547; 436287, 2443540; 436300, 2443537; 436315, 2443532; 436328, 2443529; 436337, 2443528; 436348, 2443531; 436357, 2443536; 436369, 2443546; 436380, 2443558; 436392, 2443572; 436403, 2443585; 436421, 2443611; 436438, 2443631; 436460, 2443655; 436478, 2443676; 436497, 2443688; 436518, 2443696; 436534, 2443700; 436558, 2443707; 436576, 2443711; 436597, 2443714; 436611, 2443716; 436630, 2443718; 436644, 2443720; 436655, 2443724; 436666, 2443731; 436678, 2443742; 436697, 2443756; 436708, 2443763; 436726, 2443769; 436745, 2443772; 436758, 2443775; 436771, 2443776; 436788, 2443776; 436799, 2443778; 436808, 2443781; 436818, 2443785; 436823, 2443786; 436829, 2443790; 436837, 2443797; 436841, 2443801; 436845, 2443807; 436852, 2443819; 436861, 2443831; 436870, 2443847; 436882, 2443863; 436890, 2443877; 436900, 2443900; 436911, 2443923; 436914, 2443936; 436914, 2443948; 436913, 2443962; 436910, 2443981; 436908, 2443995; 436908, 2444013; 436911, 2444027; 436918, 2444040; 436926, 2444047; 436933, 2444055; 436942, 2444065; 436951, 2444073; 436961, 2444084; 436969, 2444094; 436975, 2444098; 436983, 2444102; 436994, 2444107; 437009, 2444108; 437026, 2444105; 437049, 2444100; 437067, 2444092; 437076, 2444089; 437106, 2444090; 437119, 2444096; 437128, 2444104; 437133, 2444112; 437137, 2444122; 437144, 2444130; 437156, 2444135; 437169, 2444141; 437183, 2444150; 437191, 2444154; 437202, 2444165; 437212, 2444177; 437228, 2444198; 437239, 2444213; 437245, 2444227; 437254, 2444239; 437263, 2444246; 437278, 2444240; 437294, 2444234; 437310, 2444225; 437332, 2444217; 437351, 2444217; 437370, 2444223; 437391, 2444223; 437412, 2444226; 437428, 2444226; 437445, 2444223; 437462, 2444219; 437482, 2444211; 437497, 2444205; 437541, 2444190; 437563, 2444183; 437578, 2444179; 437593, 2444170; 437610, 2444160; 437624, 2444146; 437636, 2444132; 437651, 2444119; 437671, 2444112; 437691, 2444102; 437703, 2444093; 437722, 2444082; 437732, 2444069; 437749, 2444061; 437758, 2444058; 437768, 2444060; 437780, 2444066; 437810, 2444080; 437821, 2444088; 437831, 2444100; 437833, 2444111; 437835, 2444126; 437833, 2444139; 437827, 2444163; 437822, 2444185; 437820, 2444206; 437818, 2444236; 437824, 2444265; 437828, 2444292; 437836, 2444314; 437843, 2444322; 437854, 2444327; 437871, 2444328; 437887, 2444323; 437909, 2444314; 437933, 2444302; 437960, 2444289; 437984, 2444274; 438007, 2444260; 438028, 2444258; 438048, 2444258; 438072, 2444260; 438087, 2444266; 438109, 2444271; 438133, 2444273; 438164, 2444270; 438196, 2444263; 438335, 2444214; return to starting point.

(B) NOTE: Map 152 follows:



(cclxvi) Kauai 11–*Phyllostegia renovans*–c

(A) See paragraph (a)(1)(cxxx)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(cxxx)(B) of this section for the map of this unit.

(cclxvii) Kauai 11–*Phyllostegia renovans*–d

(A) See paragraph (a)(1)(cxl)(A) of this section for the textual description of this unit.

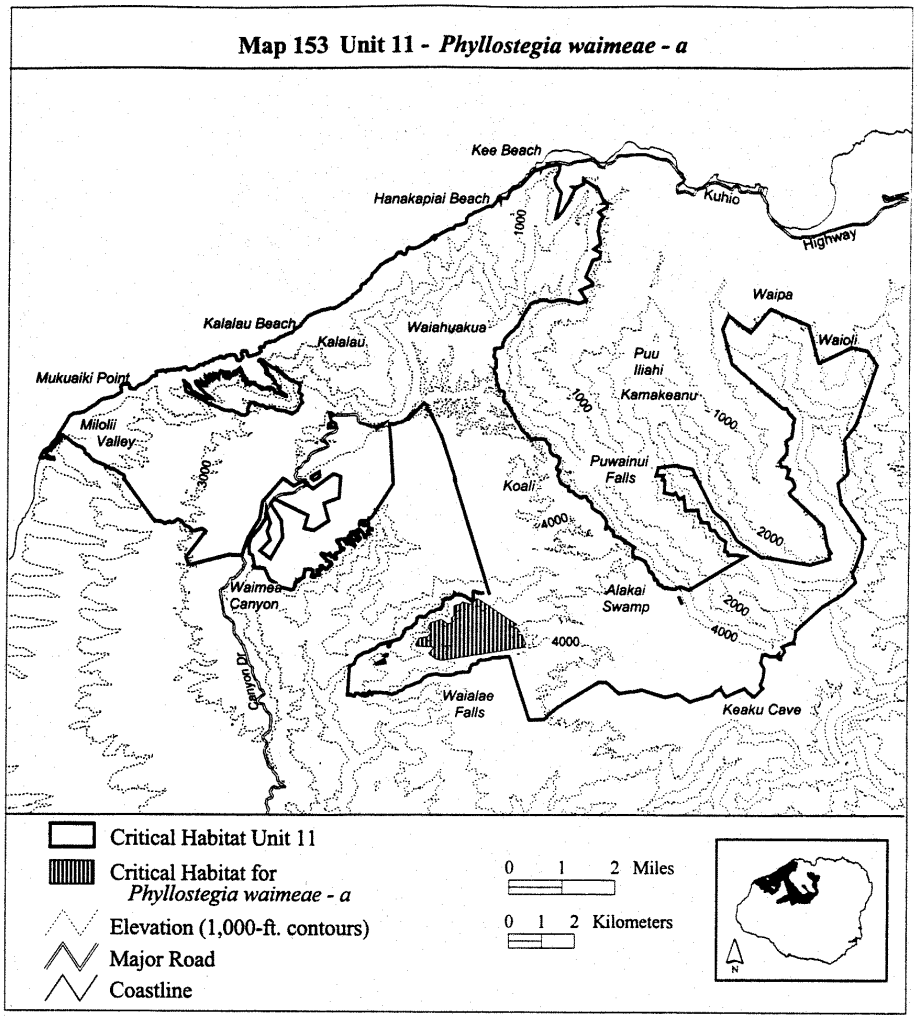
(B) See paragraph (a)(1)(cxl)(B) of this section for the map of this unit.

(cclxviii) Kauai 11—*Phyllostegia waimeae*—a (364 ha; 901 ac)

(A) Unit consists of the following 30 boundary points: Start at 437962, 2444106; 439160, 2443328; 439020, 2443250; 439191, 2443203; 439238, 2443125; 439168, 2443024; 439316, 2443017; 439440, 2442729; 439378, 2442635; 436857, 2442223; 436732, 2442270; 436483, 2442441; 436654, 2442636; 436102, 2442659; 436086, 2442721; 436188, 2442916; 436452, 2442939; 436553, 2443095;

436444, 2443235; 436522, 2443367; 436857, 2443468; 437067, 2443336; 437176, 2443359; 437160, 2443499; 437246, 2443585; 437246, 2443733; 437246, 2443888; 437479, 2443943; 437487, 2444013; 437760, 2443935; return to starting point.

(B) NOTE: Map 153 follows:

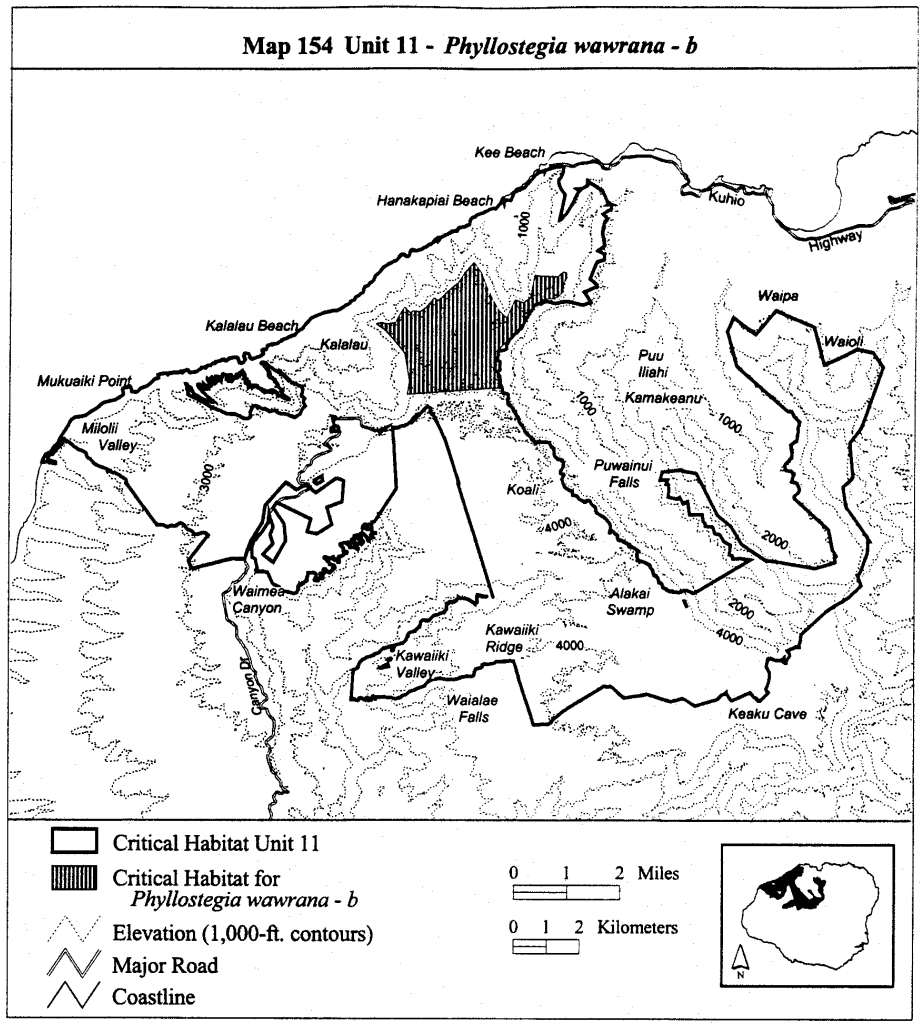


(cclxix) Kauai 11—*Phyllostegia wawrana*—b (1,037 ha; 2,562 ac)

(A) Unit consists of the following 94 boundary points: Start at 439347, 2452789; 439324, 2452794; 439098, 2452402; 438924, 2452225; 438478, 2451772; 438422, 2451715; 438390, 2451682; 438377, 2451065; 438401, 2450962; 438479, 2450630; 438493, 2450567; 438089, 2450541; 438089, 2450541; 435680, 2450387; 435730, 2450798; 435638, 2451327; 435579, 2451630; 435259, 2452025; 435007, 2452319; 434729, 2452520; 434889, 2452579; 435015, 2452520; 435301, 2452562; 435394, 2452747; 435579, 2453033; 435772, 2452831; 435822, 2452915; 436041, 2452881; 436234, 2453024; 436487, 2453309; 436579,

2453217; 436697, 2453301; 436915, 2453528; 437235, 2453788; 437412, 2454065; 437681, 2454384; 437891, 2454115; 438067, 2453662; 438261, 2453250; 438446, 2452906; 438681, 2452687; 438942, 2453241; 439186, 2453157; 439387, 2453291; 439530, 2453988; 439594, 2453984; 439867, 2453963; 440228, 2453946; 440337, 2454039; 440401, 2454092; 440499, 2454060; 440485, 2453995; 440492, 2453950; 440484, 2453922; 440461, 2453865; 440450, 2453851; 440432, 2453815; 440421, 2453780; 440412, 2453745; 440410, 2453716; 440404, 2453694; 440384, 2453655; 440378, 2453623; 440380, 2453590; 440370, 2453517; 440363, 2453496; 440355, 2453461; 440350, 2453451; 440333, 2453428; 440315, 2453408; 440288, 2453388; 440275, 2453381; 440244, 2453334; 440223, 2453322; 440199, 2453305; 440147, 2453289; 440119, 2453282; 440093, 2453280; 439987, 2453284; 439962, 2453283; 439924, 2453275; 439905, 2453264; 439787, 2453162; 439724, 2453135; 439639, 2453119; 439600, 2453107; 439553, 2453082; 439503, 2453046; 439481, 2453022; 439473, 2452985; 439464, 2452963; 439414, 2452909; 439390, 2452876; 439355, 2452801; return to starting point.

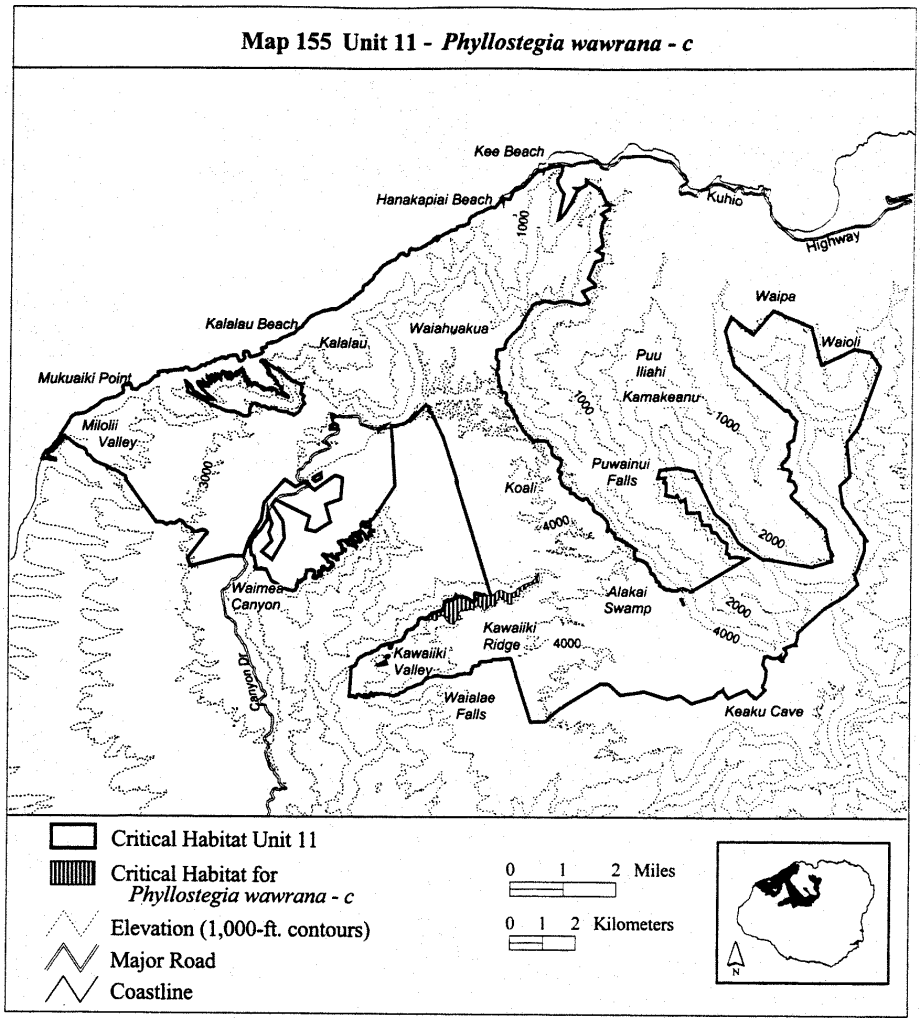
(B) NOTE: Map 154 follows:



(cclxx) Kauai 11—*Phyllostegia wawrana*—c (108 ha; 268 ac)

(A) Unit consists of the following 254 boundary points: Start at 436283, 2443540; 436283, 2443542; 436287, 2443540; 436300, 2443537; 436315, 2443532; 436328, 2443529; 436337, 2443528; 436348, 2443531; 436357, 2443536; 436369, 2443546; 436380, 2443558; 436392, 2443572; 436403, 2443585; 436421, 2443611; 436438, 2443631; 436460, 2443655; 436478, 2443676; 436497, 2443688; 436518, 2443696; 436534, 2443700; 436558, 2443707; 436576, 2443711; 436597, 2443714; 436611, 2443716; 436630, 2443718; 436644, 2443720; 436655, 2443724; 436666, 2443731; 436678, 2443742; 436697, 2443756; 436708, 2443763; 436726, 2443769; 436745, 2443772; 436758, 2443775; 436771, 2443776; 436788, 2443776; 436799, 2443778; 436808, 2443781; 436818, 2443785; 436823, 2443786; 436829, 2443790; 436837, 2443797; 436841, 2443801; 436845, 2443807; 436852, 2443819; 436861, 2443831; 436870, 2443847; 436882, 2443863; 436890, 2443877; 436900, 2443900; 436911, 2443923; 436914, 2443936; 436914, 2443948; 436913, 2443962; 436910, 2443981; 436908, 2443995; 436908, 2444013; 436911, 2444027; 436918, 2444040; 436926, 2444047; 436933, 2444055; 436942, 2444065; 436951, 2444073; 436961, 2444084; 436969, 2444094; 436975, 2444098; 436983, 2444102; 436994, 2444107; 437009, 2444108; 437026, 2444105; 437049, 2444100; 437067, 2444092; 437076, 2444089; 437106, 2444090; 437119, 2444096; 437128, 2444104; 437133, 2444112; 437137, 2444122; 437144, 2444130; 437156, 2444135; 437169, 2444141; 437183, 2444150; 437191, 2444154; 437202, 2444165; 437212, 2444177; 437228, 2444198; 437239, 2444213; 437245, 2444227; 437254, 2444239; 437263, 2444246; 437278, 2444240; 437294, 2444234; 437310, 2444225; 437332, 2444217; 437351, 2444217; 437370, 2444223; 437391, 2444223; 437412, 2444226; 437428, 2444226; 437445, 2444223; 437462, 2444219; 437482, 2444211; 437497, 2444205; 437541, 2444190; 437563, 2444183; 437578, 2444179; 437593, 2444170; 437610, 2444160; 437624, 2444146; 437636, 2444132; 437651, 2444119; 437671, 2444112; 437691, 2444102; 437703, 2444093; 437722, 2444082; 437732, 2444069; 437749, 2444061; 437758, 2444058; 437768, 2444060; 437780, 2444066; 437810, 2444080; 437821, 2444088; 437831, 2444100; 437833, 2444111; 437835, 2444126; 437833, 2444139; 437827, 2444163; 437822, 2444185; 437820, 2444206; 437818, 2444236; 437824, 2444265; 437828, 2444292; 437836, 2444314; 437843, 2444322; 437854, 2444327; 437871, 2444328; 437887, 2444323; 437909, 2444314; 437933, 2444302; 437960, 2444289; 437984, 2444274; 438007, 2444260; 438028, 2444258; 438048, 2444258; 438072, 2444260; 438087, 2444266; 438109, 2444271; 438133, 2444273; 438164, 2444270; 438196, 2444263; 438335, 2444214; 438331, 2444225; 438331, 2444225; 438361, 2444238; 438459, 2444323; 438527, 2444400; 438642, 2444421; 438749, 2444353; 438817, 2444310; 438876, 2444310; 438957, 2444306; 439085, 2444387; 439102, 2444455; 439230, 2444515; 439302, 2444566; 439379, 2444595; 439562, 2444668; 439660, 2444766; 439694, 2444817; 439715, 2444893; 439770, 2444944; 439770, 2444872; 439787, 2444795; 439787, 2444706; 439779, 2444668; 439707, 2444651; 439447, 2444532; 439400, 2444506; 439396, 2444438; 439336, 2444455; 439285, 2444370; 439242, 2444408; 439187, 2444357; 439208, 2444306; 439217, 2444276; 439187, 2444263; 439132, 2444221; 439093, 2444246; 439072, 2444238; 439051, 2444204; 439055, 2444187; 439025, 2444191; 438995, 2444204; 438949, 2444195; 438949, 2444144; 438966, 2444093; 438974, 2443991; 438906, 2443970; 438846, 2444012; 438812, 2444072; 438757, 2444076; 438655, 2444170; 438604, 2444200; 438553, 2444178; 438519, 2444115; 438472, 2444072; 438480, 2443983; 438412, 2443927; 438370, 2443923; 438272, 2443949; 438229, 2443855; 438191, 2443851; 438174, 2443808; 438118, 2443800; 438054, 2443864; 438059, 2443932; 437991, 2443893; 437974, 2443898; 437927, 2443928; 437871, 2443910; 437782, 2443813; 437744, 2443830; 437688, 2443842; 437637, 2443825; 437586, 2443787; 437497, 2443796; 437467, 2443774; 437412, 2443770; 437343, 2443719; 437343, 2443659; 437382, 2443625; 437416, 2443523; 437373, 2443510; 437305, 2443523; 437254, 2443481; 437207, 2443366; 437143, 2443374; 437071, 2443387; 437028, 2443434; 436922, 2443549; 436871, 2443647; 436815, 2443634; 436786, 2443613; 436709, 2443621; 436692, 2443553; 436692, 2443515; 436637, 2443468; 436594, 2443485; 436547, 2443515; 436496, 2443515; 436445, 2443485; 436390, 2443485; 436309, 2443477; 436279, 2443506; return to starting point.

(B) NOTE: Map 155 follows:



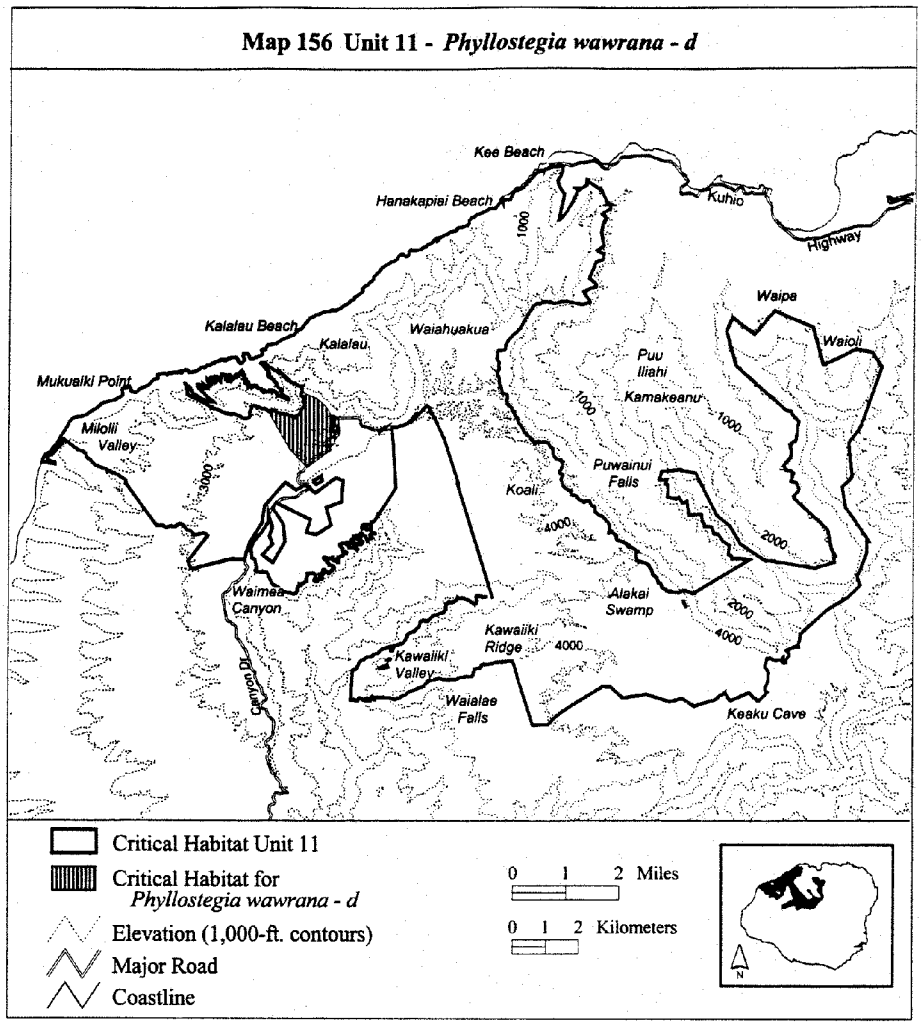
(cclxxi) Kauai 11—*Phyllostegia wawrana*—d (251 ha; 619 ac)

(A) Unit consists of the following 46 boundary points: Start at 433484, 2449698; 433602, 2449656; 433646, 2449236; 433339, 2448655; 432657, 2448174; 432163, 2448681; 432122, 2448722; 431444, 2449890; 431449, 2449886; 431497, 2449867; 431510, 2449870; 431519, 2449867; 431617, 2449892; 431723, 2449853; 431765, 2449810; 431860, 2449801; 432043, 2449733; 432311, 2449650; 432411, 2449775; 432545, 2449959; 432548, 2450005; 432579, 2450036; 432552, 2450080; 432553, 2450092; 432527, 2450190; 432565, 2450262; 432523, 2450304; 432495, 2450310; 432495, 2450310; 432489, 2450474; 432490, 2450478; 432500, 2450525; 432509, 2450514; 432509, 2450514; 432595, 2450402; 432946, 2450251; 433218, 2450018; 433402, 2449727; 433458, 2449707; 433436, 2449707; 433399, 2449709; 433419, 2449599; 433426, 2449556; 433440, 2449604; 433457, 2449622; 433480, 2449629; return to starting point.

(B) Excluding 1 area bounded by the following 10 points (3 ha, 8 ac): Start at 433368, 2449292; 433367, 2449352; 433448, 2449426; 433546, 2449412; 433567, 2449398; 433589, 2449323; 433612, 2449262; 433588,

2449244; 433567, 2449260; 433369, 2449255; return to starting point.

(C) NOTE: Map 156 follows:



(cclxxii) Kauai 11–*Pittosporum napaliense*–b

(A) See paragraph (a)(1)(cxxxiii)(A) of this section for the textual description of this unit.

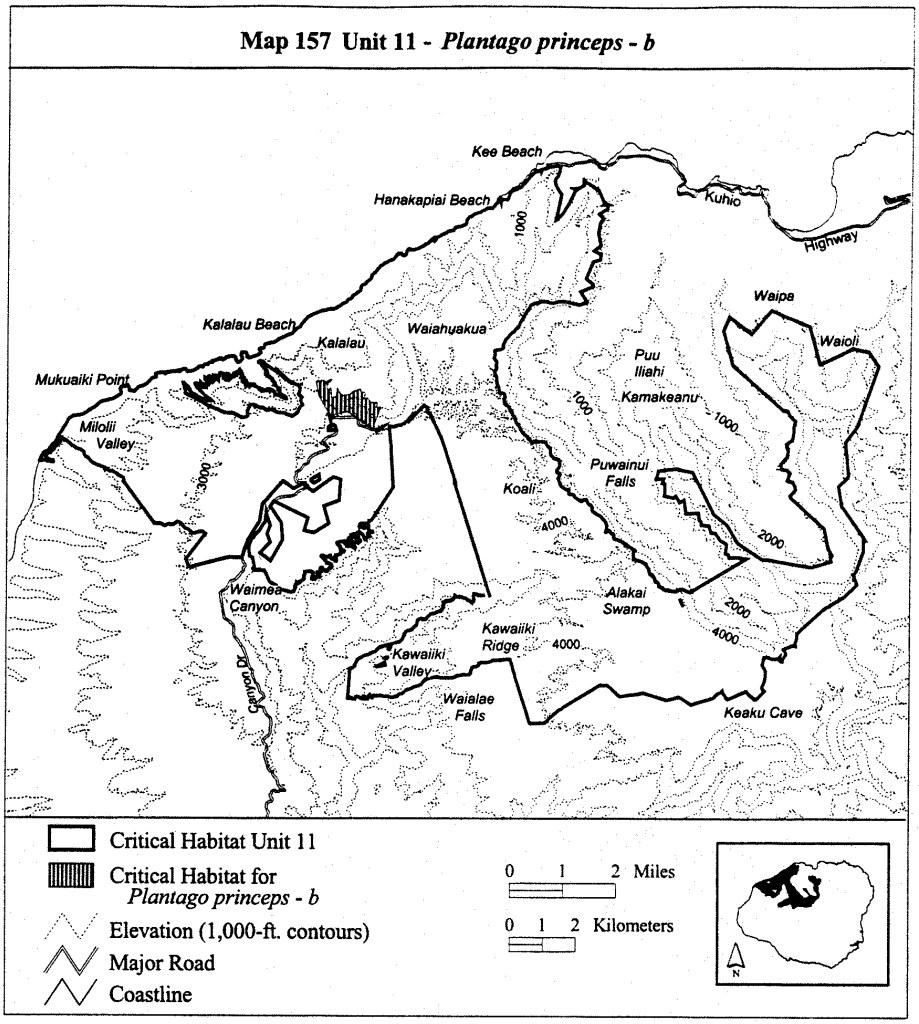
(B) See paragraph (a)(1)(cxxxiii)(B) of this section for the map of this unit.

(cclxxiii) Kauai 11—*Plantago princeps*—b (126 ha; 312 ac)

(A) Unit consists of the following 29 boundary points: Start at 433417, 2449712; 433064, 2450297; 432997, 2450736; 433229, 2450755; 433295, 2450698; 433400, 2450797; 433470, 2450783; 433314, 2450641; 433343, 2450467; 433433, 2450528; 433461, 2450230; 433598, 2450268; 433631, 2450528; 433787, 2450301; 434024, 2450348; 434104, 2450433; 434336, 2450509; 434374, 2450391;

434454, 2450424; 434502, 2450339; 434426, 2450225; 434563, 2450244; 434648, 2450102; 434847, 2450097; 434833, 2449960; 434956, 2449946; 434719, 2449299; 433953, 2449833; 433457, 2449709; return to starting point.

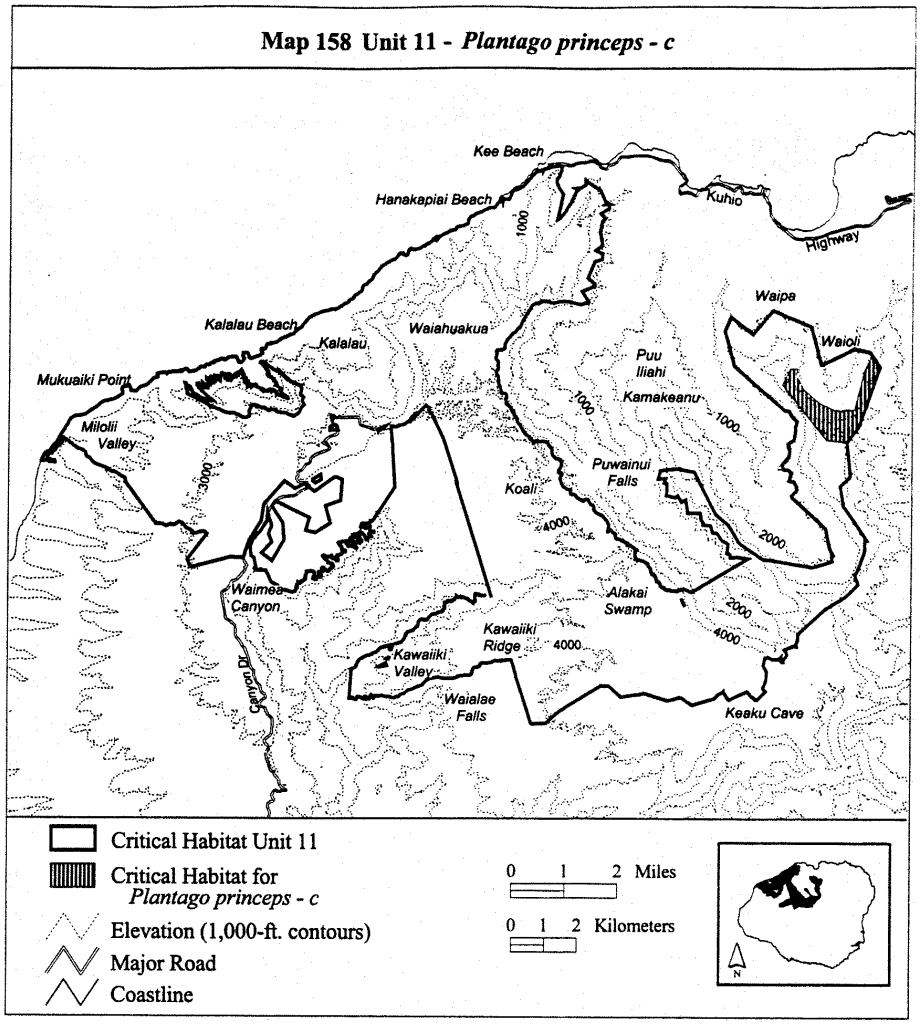
(B) NOTE: Map 157 follows:



(cclxxiv) Kauai 11—*Plantago princeps*—c (244 ha; 603 ac)

(A) Unit consists of the following 17 boundary points: Start at 448456, 2448986; 447125, 2450677; 447365, 2451166; 447582, 2451166; 447538, 2450979; 447777, 2450536; 448254, 2450127; 448731, 2449889; 449310, 2449923; 449617, 2451148; 449833, 2451517; 450063, 2451208; 449872, 2450704; 449708, 2450232; 449423, 2449382; 449245, 2449149; 449068, 2448933; return to starting point.

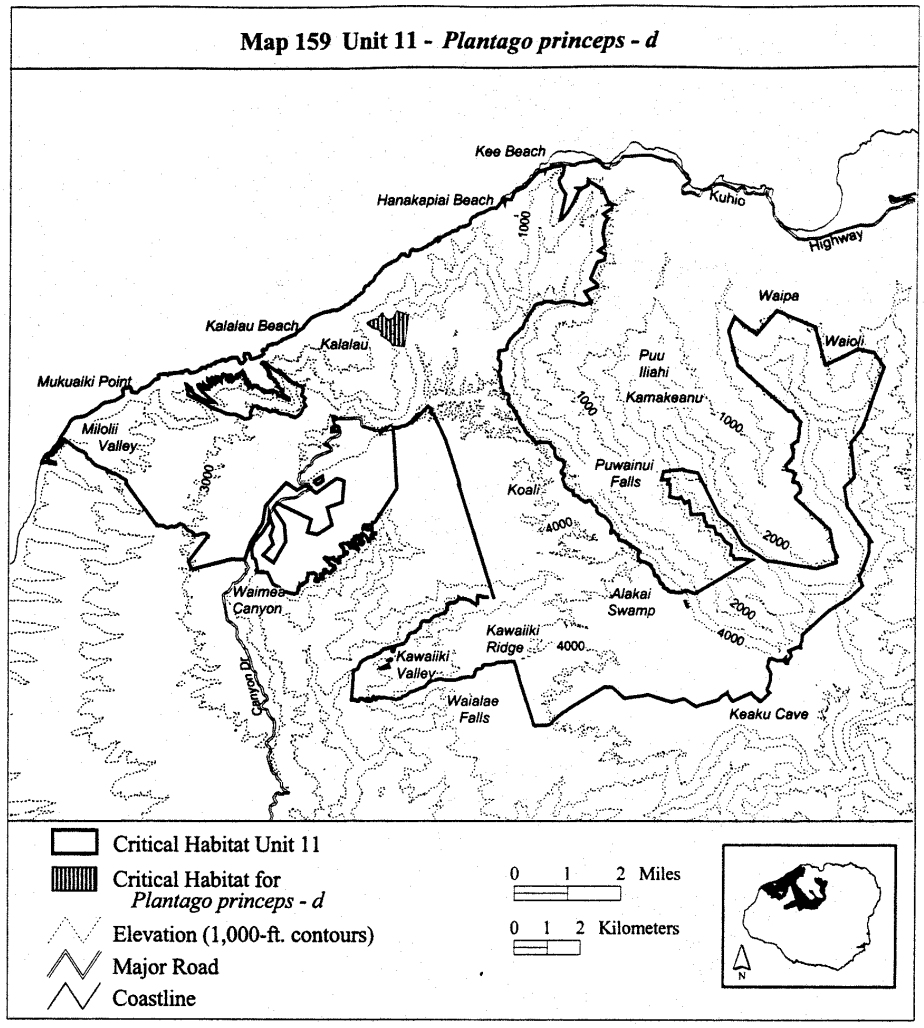
(B) NOTE: Map 158 follows:



(cclxxv) Kauai 11—*Plantago princeps*—d (77 ha; 189 ac)

(A) Unit consists of the following 17 boundary points: Start at 434421, 2452541; 434634, 2452659; 434776, 2452663; 434894, 2452862; 434993, 2452692; 435074, 2452644; 435221, 2452678; 435334, 2452914; 435626, 2452805; 435684, 2452743; 435571, 2451808; 435202, 2451855; 435126, 2452002; 434852, 2452163; 434885, 2452271; 434757, 2452352; 434587, 2452394; return to starting point.

(B) NOTE: Map 159 follows:



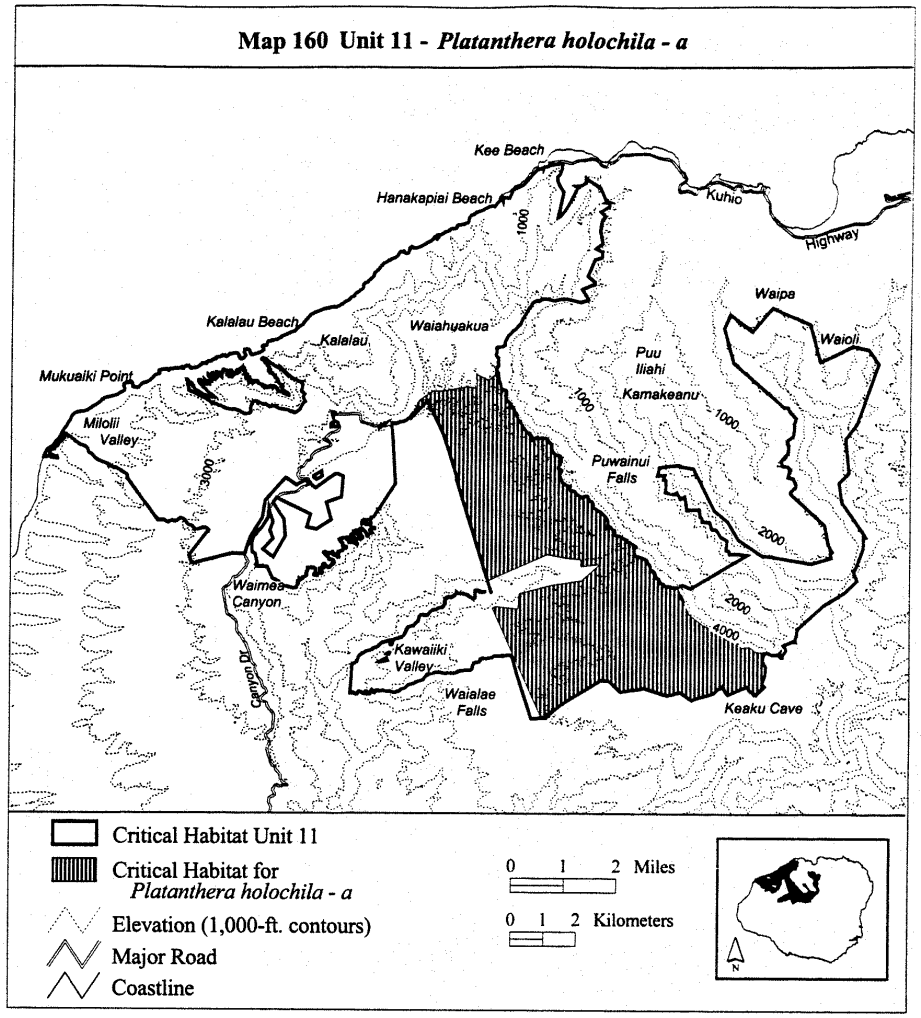
(cclxxvi) Kauai 11—*Platanthera holochila*—a (4,149 ha; 10,253 ac)

(A) Unit consists of the following 419 boundary points: Start at 443067, 2445215; 443066, 2445209; 443066, 2445190; 443083, 2445171; 443103, 2445152; 443122, 2445132; 443135, 2445115; 443140, 2445105; 443144, 2445096; 443150, 2445078; 443152, 2445059; 443153, 2445040; 443153, 2445020; 443156, 2445003; 443158, 2444995; 443163, 2444984; 443175, 2444965; 443177, 2444962; 443193, 2444946; 443196, 2444944; 443215, 2444938; 443234, 2444932; 443240, 2444927; 443252, 2444914; 443260, 2444907; 443271, 2444898; 443281, 2444890; 443290, 2444876; 443294, 2444870; 443301, 2444851; 443307, 2444833; 443309, 2444829; 443313, 2444815; 443320, 2444796; 443327, 2444778; 443333, 2444758; 443341, 2444740; 443346, 2444728; 443352, 2444721; 443366, 2444706; 443373, 2444702; 443385, 2444699; 443403, 2444695; 443423, 2444686; 443435, 2444664; 443440, 2444655; 443443, 2444647; 443444, 2444627; 443447, 2444608; 443452, 2444591; 443459, 2444579; 443464, 2444570; 443478, 2444555; 443483, 2444551; 443497, 2444548; 443516, 2444546; 443534, 2444543; 443553, 2444537; 443557, 2444532; 443571, 2444521; 443579,

2444514; 443598, 2444493; 443610, 2444483; 443617, 2444477; 443628, 2444469; 443647, 2444460; 443666, 2444456; 443677, 2444459; 443685, 2444463; 443703, 2444469; 443722, 2444464; 443732, 2444458; 443740, 2444454; 443760, 2444446; 443769, 2444440; 443987, 2444415; 444047, 2444337; 444117, 2444107; 444210, 2443933; 444299, 2443729; 444347, 2443603; 444425, 2443555; 444600, 2443428; 444759, 2443295; 445253, 2443054; 445513, 2442838; 445854, 2442734; 445951, 2442593; 446214, 2442612; 446381, 2442489; 446652, 2442437; 446591, 2442195; 446694, 2442007; 446686, 2441764; 446640, 2441627; 446587, 2441543; 446587, 2441501; 446641, 2441436; 446560, 2441376; 446348, 2441177; 446122, 2441415; 445543, 2441183; 445413, 2441371; 445395, 2441421; 445382, 2441433; 445261, 2441357; 445124, 2441205; 444465, 2441003; 444154, 2441263; 443699, 2441176; 442976, 2441356; 442310, 2441249; 441883, 2441603; 441623, 2441574; 440236, 2440690; 440188, 2440625; 439852, 2440461; 438358, 2443756; 438446, 2443829; 439134, 2443741; 439178, 2444225; 440174, 2444473; 441068, 2444619; 441639, 2445117; 441039, 2445044; 441039, 2445264; 440672, 2445293; 440013, 2445410; 438234, 2444610; 438008, 2445343; 436790, 2449091; 436517, 2449722; 436337, 2450061; 436433, 2450077; 436359, 2450114; 435843, 2449559; 435838, 2449570; 436073, 2450082; 436483, 2450345; 436849, 2450360; 437537, 2450491; 437845, 2450462; 437816, 2450886; 438167, 2450681; 438372, 2450842; 438403, 2451013; 438416, 2451091; 438463, 2451098; 438455, 2451089; 438434, 2451069; 438425, 2451047; 438435, 2450985; 438427, 2450964; 438472, 2450910; 438501, 2450796; 438488, 2450686; 438554, 2450559; 438581, 2450423; 438621, 2450415; 438690, 2450392; 438715, 2450373; 438731, 2450342; 438736, 2450325; 438737, 2450311; 438732, 2450286; 438717, 2450241; 438713, 2450206; 438716, 2450162; 438730, 2450109; 438744, 2450081; 438765, 2450051; 438791, 2450036; 438816, 2450028; 438831, 2450010; 438850, 2449982; 438884, 2449918; 438894, 2449879; 438904, 2449863; 438919, 2449853; 438944, 2449813; 438965, 2449767; 438974, 2449738; 438999, 2449702; 439016, 2449687; 439025, 2449671; 439037, 2449642; 439044, 2449631; 439065, 2449586; 439076, 2449548; 439102, 2449480; 439114, 2449463; 439146, 2449435; 439167, 2449414; 439200, 2449362; 439220, 2449318; 439230, 2449287; 439244, 2449261; 439260, 2449242; 439277, 2449220; 439307, 2449169; 439330, 2449145; 439361, 2449126; 439382, 2449107; 439399, 2449097; 439421, 2449088; 439433, 2449078; 439437, 2449066; 439437, 2449023; 439451, 2449000; 439508, 2448984; 439516, 2448971; 439526, 2448944; 439539, 2448922; 439553, 2448909; 439578, 2448906; 439611, 2448928; 439633, 2448940; 439656, 2448949; 439678, 2448950; 439697, 2448941; 439733, 2448930; 439761, 2448926; 439788, 2448929; 439830, 2448945; 439853, 2448941; 439875, 2448932; 439900, 2448928; 439922, 2448928; 439941, 2448924; 439961, 2448915; 439982, 2448899; 440000, 2448878; 440036, 2448815; 440073, 2448762; 440089, 2448747; 440112, 2448732; 440121, 2448718; 440125, 2448690; 440124, 2448663; 440120, 2448633; 440125, 2448578; 440136, 2448537; 440157, 2448511; 440179, 2448496; 440190, 2448485; 440198, 2448467; 440218, 2448446; 440237, 2448434; 440254, 2448428; 440307, 2448418; 440331, 2448411; 440350, 2448395; 440375, 2448361; 440391, 2448353; 440402, 2448352; 440411, 2448336; 440416, 2448314; 440415, 2448290; 440421, 2448239; 440413, 2448216; 440401, 2448191; 440384, 2448138; 440374, 2448123; 440341, 2448084; 440331, 2448061; 440325, 2448033; 440329, 2448016; 440343, 2448005; 440409, 2447991; 440426, 2447974; 440435, 2447959; 440436, 2447941; 440395, 2447896; 440384, 2447871; 440378, 2447845; 440377, 2447819; 440383, 2447794; 440413, 2447711; 440451, 2447620; 440468, 2447593; 440487, 2447571; 440540, 2447539; 440579, 2447511; 440599, 2447501; 440674, 2447485; 440693, 2447475; 440703, 2447461; 440703, 2447452; 440695, 2447430; 440693, 2447407; 440699, 2447389; 440710, 2447368; 440722, 2447354; 440740, 2447346; 440800, 2447339; 440842, 2447328; 440858, 2447311; 440865, 2447286; 440873, 2447265; 440888, 2447250; 440941, 2447230; 440969, 2447210; 441039, 2447168; 441058, 2447153; 441083, 2447147; 441095, 2447154; 441113, 2447170; 441133, 2447183; 441148, 2447188; 441172, 2447190; 441201, 2447195; 441219, 2447195; 441231, 2447186; 441240, 2447171; 441268, 2447104; 441283, 2447083; 441317, 2447043; 441363, 2447030; 441373, 2447026; 441398, 2446997; 441399, 2446995; 441403, 2446972; 441402, 2446899; 441405, 2446869; 441434, 2446820; 441455, 2446804; 441476, 2446797; 441521, 2446777; 441532, 2446763; 441549, 2446752; 441584, 2446741; 441620, 2446723; 441648, 2446705; 441674, 2446682; 441829, 2446505; 441829, 2446501; 441836, 2446475; 441847, 2446451; 441864, 2446424; 441868, 2446401; 441856, 2446328; 441855, 2446295; 441848, 2446265; 441834, 2446230; 441838, 2446221; 441852, 2446219; 441879, 2446263; 441897, 2446273; 441929, 2446268; 441943, 2446256; 441963, 2446219; 441982, 2446194; 442005, 2446171; 442019, 2446165; 442039, 2446165; 442059,

2446159; 442071, 2446146; 442073, 2446121; 442067, 2446082; 442072, 2446052; 442082, 2446029; 442100, 2446007; 442175, 2445995; 442202, 2445986; 442261, 2445949; 442273, 2445945; 442301, 2445924; 442317, 2445917; 442372, 2445885; 442381, 2445882; 442428, 2445851; 442430, 2445827; 442435, 2445813; 442444, 2445807; 442467, 2445799; 442492, 2445803; 442501, 2445803; 442711, 2445664; 442713, 2445661; 442710, 2445647; 442674, 2445604; 442668, 2445590; 442666, 2445576; 442668, 2445560; 442673, 2445515; 442668, 2445494; 442667, 2445490; 442671, 2445471; 442675, 2445453; 442682, 2445433; 442689, 2445419; 442694, 2445414; 442709, 2445399; 442727, 2445386; 442743, 2445378; 442747, 2445377; 442765, 2445370; 442785, 2445364; 442798, 2445359; 442804, 2445357; 442821, 2445353; 442842, 2445347; 442858, 2445342; 442862, 2445341; 442877, 2445336; 442898, 2445330; 442915, 2445323; 442934, 2445314; 442952, 2445303; 442956, 2445301; 442972, 2445292; 442981, 2445284; 442990, 2445276; 443006, 2445268; 443009, 2445266; 443029, 2445263; 443047, 2445260; 443065, 2445247; 443068, 2445227; return to starting point.

(B) NOTE: Map 160 follows:



(cclxxvii) Kauai 11–*Platydesma rostrata*–f

(A) See paragraph (a)(1)(cxxx)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(cxxx)(B) of this section for the map of this unit.

(cclxxviii) Kauai 11–*Platydesma rostrata*–g

(A) See paragraph (a)(1)(cxxxiii)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(cxxxiii)(B) of this section for the map of this unit.

(cclxxix) Kauai 11–*Platydesma rostrata*–h

(A) See paragraph (a)(1)(cxl)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(cxl)(B) of this section for the map of this unit.

(cclxxx) Kauai 11–*Platydesma rostrata*–i

(A) See paragraph (a)(1)(cxli)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(cxli)(B) of this section for the map of this unit.

(cclxxxi) Kauai 11–*Platydesma rostrata*–j

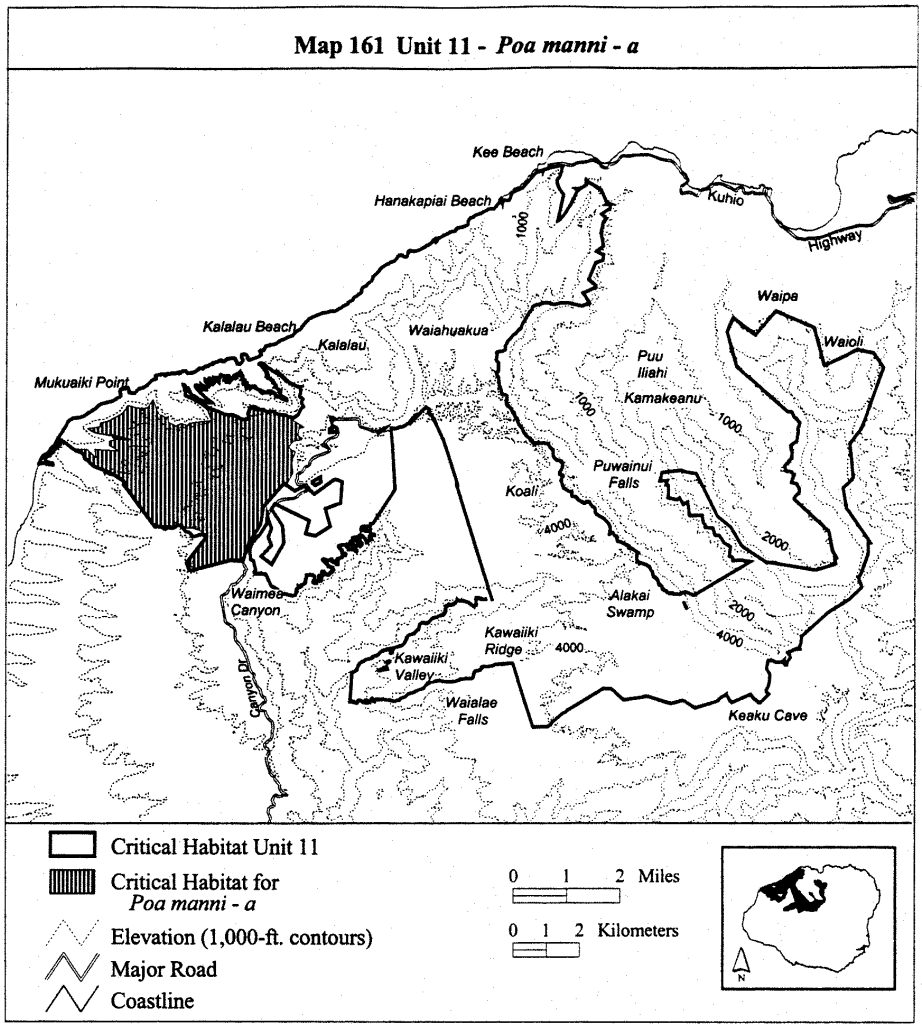
(A) See paragraph (a)(1)(cxlvi)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(cxlvi)(B) of this section for the map of this unit.

(cclxxxii) Kauai 11—*Poa mannii*—a (1,871 ha; 4,624 ac)

(A) Unit consists of the following 174 boundary points: Start at 425642, 2448753; 426032, 2448753; 426313, 2448497; 426288, 2448753; 426735, 2448715; 427004, 2448702; 426723, 2448868; 426723, 2448996; 427068, 2449085; 426697, 2449175; 426288, 2449252; 426070, 2449379; 426428, 2449430; 426428, 2449545; 426697, 2449609; 427068, 2449801; 427196, 2449942; 427273, 2450069; 427708, 2449967; 427887, 2449993; 428040, 2450235; 428168, 2449878; 428232, 2449788; 428488, 2449673; 428488, 2449571; 428718, 2449443; 428910, 2449533; 429089, 2449443; 429115, 2449532; 429549, 2449584; 429805, 2449609; 429677, 2449941; 429283, 2450247; 429576, 2450092; 429717, 2449996; 429751, 2449978; 429791, 2449963; 429830, 2449956; 429860, 2449947; 429944, 2449910; 429968, 2449904; 430016, 2449884; 430068, 2449856; 430172, 2449815; 430207, 2449804; 430261, 2449795; 430317, 2449781; 430340, 2449778; 430365, 2449787; 430392, 2449798; 430408, 2449802; 430410, 2449802; 430406, 2449796; 430471, 2449787; 430527, 2449754; 430583, 2449736; 430635, 2449693; 430696, 2449656; 430720, 2449646; 430819, 2449646; 430899, 2449674; 430918, 2449717; 430904, 2449834; 430927, 2449905; 430955, 2449985; 430993, 2450032; 431068, 2450041; 431153, 2450008; 431238, 2449970; 431285, 2449942; 431360, 2449956; 431449, 2449886; 431497, 2449867; 431605, 2449895; 431657, 2449890; 431699, 2449876; 431765, 2449810; 431864, 2449801; 431981, 2449792; 431993, 2449791; 432594, 2449404; 432440, 2449378; 432415, 2449161; 432550, 2449064; 432514, 2449029; 432286, 2448988; 432120, 2448816; 432217, 2448734; 432331, 2448670; 432248, 2448433; 432235, 2448305; 432261, 2448075; 432248, 2447985; 432082, 2447678; 432073, 2447674; 432001, 2447726; 431869, 2447580; 431749, 2447525; 431686, 2447378; 431369, 2447027; 431298, 2446522; 430955, 2445963; 430837, 2445645; 430679, 2445410; 430405, 2445422; 429367, 2445154; 429077, 2445312; 429062, 2445354; 429654, 2446125; 429591, 2446167; 429485, 2446305; 429263, 2446389; 429094, 2446389; 428972, 2446421; 428904, 2446474; 428793, 2446542; 428740, 2446564; 428655, 2446474; 428602, 2446447; 428476, 2446463; 428396, 2446447; 428285, 2446458; 428116, 2446474; 428047, 2446484; 427185, 2447661; 427161, 2447669; 427157, 2447676; 427157, 2447711; 427175, 2447754; 427176, 2447775; 427171, 2447800; 427160, 2447815; 427124, 2447837; 427084, 2447847; 427039, 2447867; 426997, 2447892; 426981, 2447902; 426958, 2447923; 426944, 2447941; 426907, 2447965; 426847, 2447992; 426819, 2447998; 426798, 2448010; 426758, 2448005; 426737, 2448009; 426722, 2448015; 426613, 2448093; 426561, 2448116; 426517, 2448133; 426478, 2448151; 426432, 2448166; 426398, 2448180; 426338, 2448196; 426281, 2448222; 426223, 2448260; 426138, 2448319; 426097, 2448378; 426063, 2448412; 426051, 2448421; 426007, 2448440; 425989, 2448455; 425969, 2448492; 425954, 2448543; 425949, 2448584; 425923, 2448613; 425884, 2448631; 425855, 2448652; 425837, 2448658; 425792, 2448676; 425765, 2448685; 425735, 2448700; 425708, 2448709; 425675, 2448727; 425654, 2448744; return to starting point.

(B) NOTE: Map 161 follows:

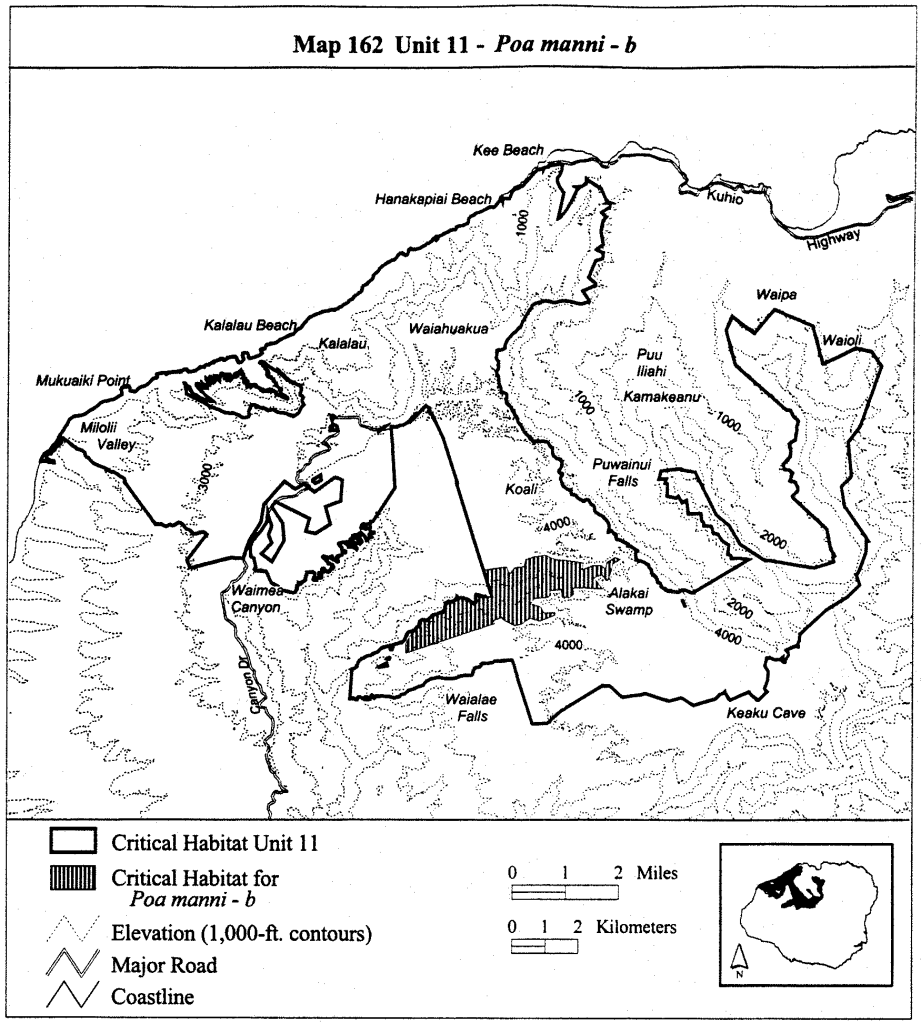


(cclxxxiii) Kauai 11—*Poa mannii*—b (677 ha; 1,673 ac)

(A) Unit consists of the following 234 boundary points: Start at 438751, 2445160; 438842, 2444944; 439024, 2445148; 439285, 2445160; 439353, 2445398; 439637, 2445466; 439933, 2445511; 440148, 2445421; 440273, 2445375; 440512, 2445375; 441091, 2445284; 441046, 2445068; 441387, 2445216; 441625, 2445204; 441750, 2445102; 441807, 2445307; 441909, 2445363; 442045, 2445454; 442204, 2445397; 441966, 2445250; 441943, 2445068; 441841, 2444784; 441784, 2444750; 441648, 2444921; 441409, 2444841; 441659, 2444489; 441148, 2444523; 440784, 2444523; 440796, 2444330; 440682, 2444240; 440444, 2444251; 440421, 2444478; 440216, 2444455; 440069, 2444455; 440092, 2444296; 439989, 2444240; 439603, 2444206; 439478, 2444047; 439808, 2443945; 439910, 2443763; 440239, 2443785; 440239, 2443695; 440035, 2443627; 439773, 2443513; 439467, 2443615; 439217, 2443422; 439012, 2443388; 438638, 2443581; 438638, 2443638; 438376, 2443536; 438399, 2443445; 435707, 2442537; 435707, 2442855; 435926, 2443221; 435933, 2443223; 435942,

2443232; 435949, 2443246; 435958, 2443255; 435969, 2443263; 435979, 2443271; 435993, 2443281; 436010, 2443297; 436032, 2443316; 436048, 2443332; 436064, 2443343; 436080, 2443358; 436089, 2443375; 436095, 2443390; 436100, 2443403; 436107, 2443421; 436113, 2443456; 436118, 2443477; 436123, 2443502; 436134, 2443520; 436146, 2443534; 436160, 2443543; 436175, 2443554; 436190, 2443560; 436213, 2443563; 436227, 2443563; 436240, 2443562; 436254, 2443557; 436265, 2443552; 436274, 2443547; 436287, 2443540; 436300, 2443537; 436315, 2443532; 436328, 2443529; 436337, 2443528; 436348, 2443531; 436357, 2443536; 436369, 2443546; 436380, 2443558; 436392, 2443572; 436403, 2443585; 436421, 2443611; 436438, 2443631; 436460, 2443655; 436478, 2443676; 436497, 2443688; 436518, 2443696; 436534, 2443700; 436558, 2443707; 436576, 2443711; 436597, 2443714; 436611, 2443716; 436630, 2443718; 436644, 2443720; 436655, 2443724; 436666, 2443731; 436678, 2443742; 436697, 2443756; 436708, 2443763; 436726, 2443769; 436745, 2443772; 436758, 2443775; 436771, 2443776; 436788, 2443776; 436799, 2443778; 436808, 2443781; 436818, 2443785; 436823, 2443786; 436829, 2443790; 436837, 2443797; 436841, 2443801; 436845, 2443807; 436852, 2443819; 436861, 2443831; 436870, 2443847; 436882, 2443863; 436890, 2443877; 436900, 2443900; 436911, 2443923; 436914, 2443936; 436914, 2443948; 436913, 2443962; 436910, 2443981; 436908, 2443995; 436908, 2444013; 436911, 2444027; 436918, 2444040; 436926, 2444047; 436933, 2444055; 436942, 2444065; 436951, 2444073; 436961, 2444084; 436969, 2444094; 436975, 2444098; 436983, 2444102; 436994, 2444107; 437009, 2444108; 437026, 2444105; 437049, 2444100; 437067, 2444092; 437076, 2444089; 437106, 2444090; 437119, 2444096; 437128, 2444104; 437133, 2444112; 437137, 2444122; 437144, 2444130; 437156, 2444135; 437169, 2444141; 437183, 2444150; 437191, 2444154; 437202, 2444165; 437212, 2444177; 437228, 2444198; 437239, 2444213; 437245, 2444227; 437254, 2444239; 437263, 2444246; 437278, 2444240; 437294, 2444234; 437310, 2444225; 437332, 2444217; 437351, 2444217; 437370, 2444223; 437391, 2444223; 437412, 2444226; 437428, 2444226; 437445, 2444223; 437462, 2444219; 437482, 2444211; 437497, 2444205; 437541, 2444190; 437563, 2444183; 437578, 2444179; 437593, 2444170; 437610, 2444160; 437624, 2444146; 437636, 2444132; 437651, 2444119; 437671, 2444112; 437691, 2444102; 437703, 2444093; 437722, 2444082; 437732, 2444069; 437749, 2444061; 437758, 2444058; 437768, 2444060; 437780, 2444066; 437810, 2444080; 437821, 2444088; 437831, 2444100; 437833, 2444111; 437835, 2444126; 437833, 2444139; 437827, 2444163; 437822, 2444185; 437820, 2444206; 437818, 2444236; 437824, 2444265; 437828, 2444292; 437836, 2444314; 437843, 2444322; 437854, 2444327; 437871, 2444328; 437887, 2444323; 437909, 2444314; 437933, 2444302; 437960, 2444289; 437984, 2444274; 438007, 2444260; 438028, 2444258; 438048, 2444258; 438072, 2444260; 438087, 2444266; 438109, 2444271; 438133, 2444273; 438164, 2444270; 438196, 2444263; 438335, 2444214; 438062, 2445062; return to starting point.

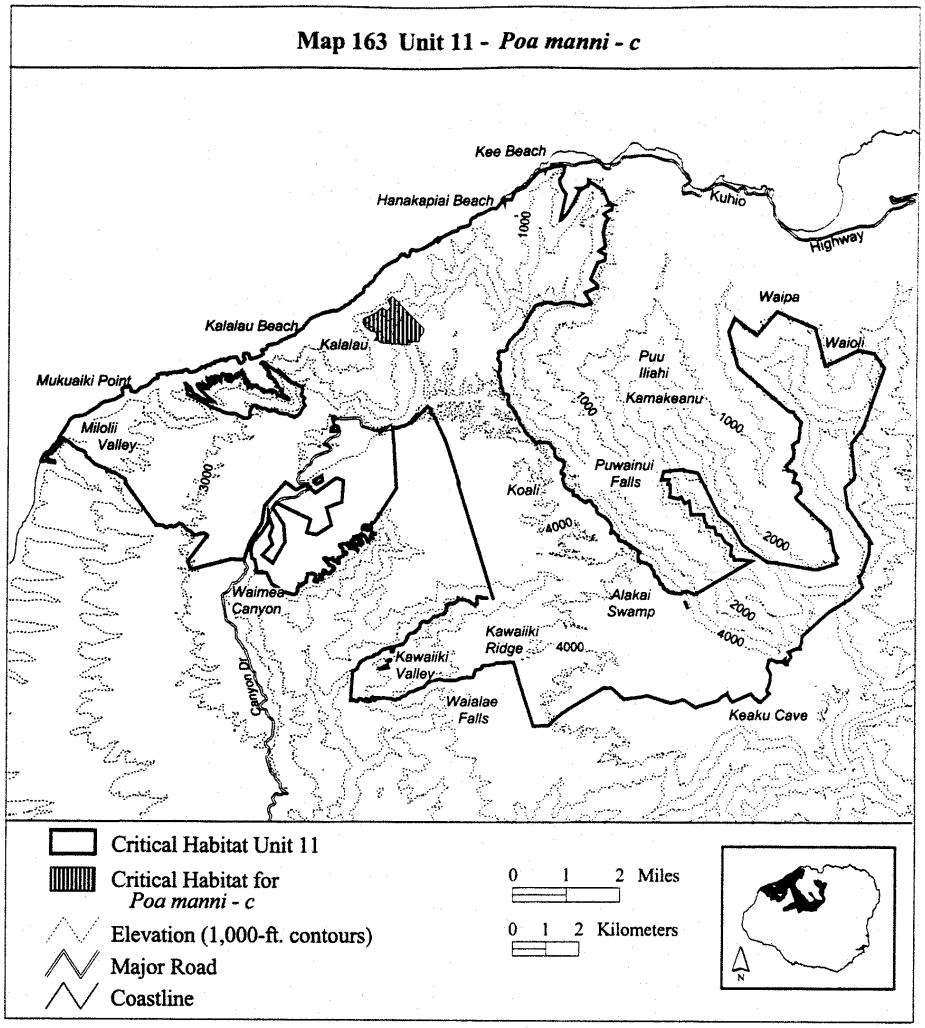
(B) NOTE: Map 162 follows:



(cclxxxiv) Kauai 11—*Poa mannii*—c (155 ha; 382 ac)

(A) Unit consists of the following 25 boundary points: Start at 435195, 2453363; 436166, 2452375; 436126, 2452230; 436044, 2452097; 436021, 2451986; 435829, 2451986; 435788, 2451934; 435672, 2452056; 435753, 2451876; 434846, 2451952; 434765, 2452045; 434660, 2452010; 434742, 2452144; 434695, 2452271; 434556, 2452306; 434463, 2452370; 434381, 2452440; 434329, 2452515; 434317, 2452661; 434474, 2452748; 434701, 2452846; 434893, 2453015; 435044, 2452916; 435155, 2453055; 435062, 2453241; return to starting point.

(B) NOTE: Map 163 follows:

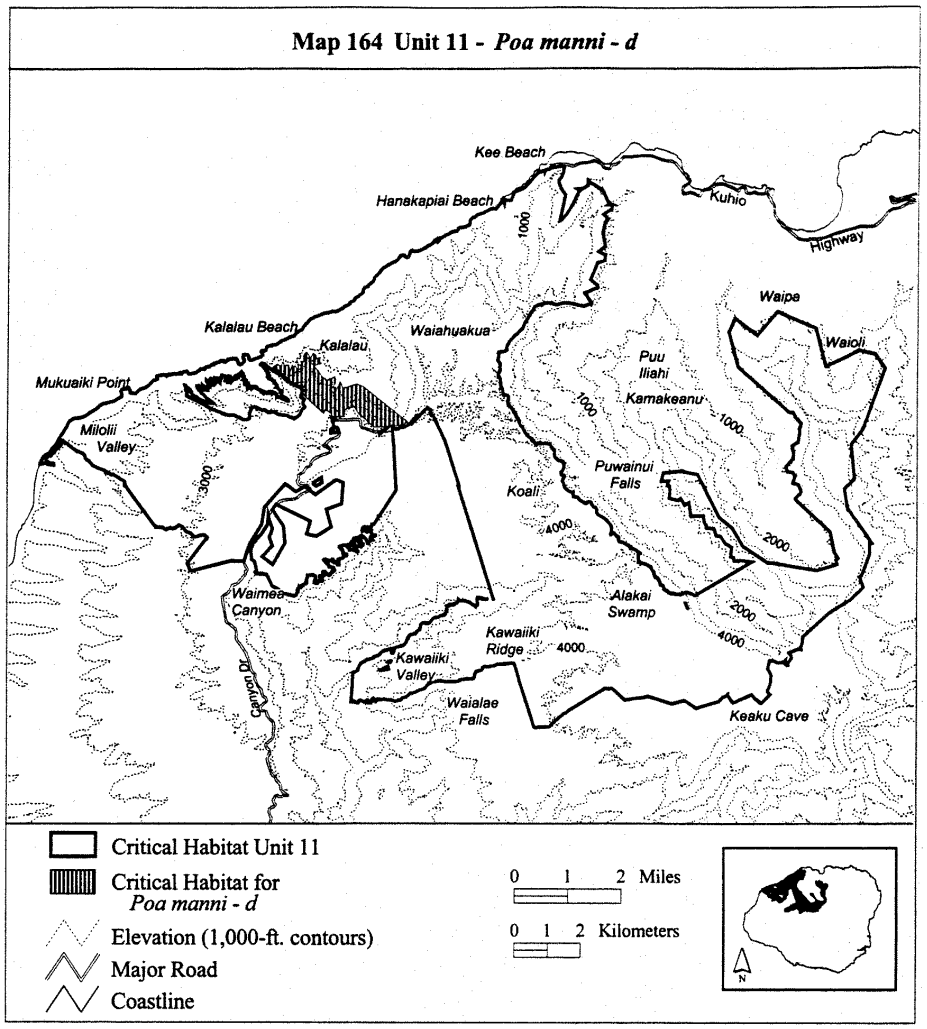


(cclxxxv) Kauai 11—*Poa mannii*—d (307 ha; 758 ac)

(A) Unit consists of the following 77 boundary points: Start at 433153, 2449843; 432813, 2450152; 432485, 2450450; 432490, 2450478; 432501, 2450529; 432494, 2450543; 432477, 2450580; 432468, 2450593; 432464, 2450611; 432465, 2450623; 432450, 2450624; 432408, 2450635; 432380, 2450644; 432335, 2450666; 432281, 2450696; 432235, 2450718; 432200, 2450735; 432172, 2450746; 432145, 2450759; 431625, 2451231; 431758, 2451328; 431849, 2451245; 431911, 2451384; 431960, 2451272; 432072, 2451300; 432121, 2451098; 432191, 2451293; 432246, 2451224; 432267, 2451286; 432386, 2451112; 432365, 2451307; 432477, 2451286; 432456, 2451398; 432532, 2451384; 432553, 2451481; 432539, 2451572; 432630, 2451691; 432742, 2451495; 432825, 2451642; 432909, 2451579; 432902, 2451481; 433035, 2451523; 433000, 2451405; 433063, 2451335; 432902, 2451300; 432867, 2451237; 433000, 2451098; 433084, 2450965; 433181, 2450896; 433244, 2450833; 433481, 2450937; 433516, 2450868; 433516, 2450756; 433411, 2450624; 433509, 2450638; 433509,

2450491; 433642, 2450798; 433718, 2450603; 433893, 2450638; 434102, 2450721; 434172, 2450728; 434256, 2450679; 434339, 2450672; 435693, 2449591; 435532, 2449494; 435330, 2449466; 435107, 2449452; 434681, 2449431; 434430, 2449661; 434207, 2449836; 434046, 2450073; 433795, 2449947; 433774, 2449752; 433565, 2449738; 433404, 2449759; 433321, 2449885; 433195, 2449955; return to starting point.

(B) NOTE: Map 164 follows:

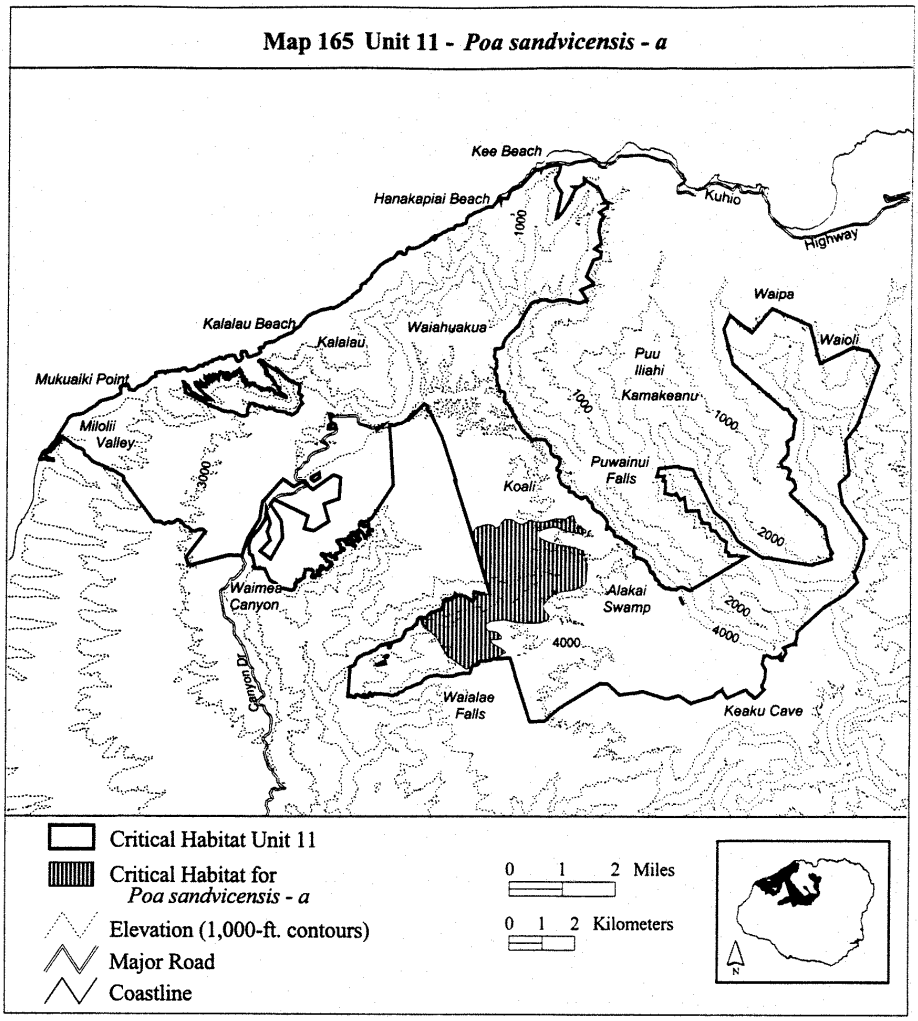


(cclxxxvi) Kauai 11—*Poa sandvicensis*—a (1,111 ha; 2,745 ac)

(A) Unit consists of the following 244 boundary points: Start at 438161, 2444755; 437857, 2445701; 437748, 2446041; 437745, 2446059; 437889, 2446251; 438216, 2446357; 438389, 2446328; 438476, 2446232; 438601, 2446290; 438649, 2446405; 438755, 2446501; 438966, 2446501; 439168, 2446386; 439294, 2446357; 439544, 2446472; 439717, 2446433; 439938, 2446424; 440169, 2446491; 440304, 2446539; 440592, 2446529; 440736,

2446616; 440823, 2446635; 440890, 2446472; 440948, 2446375; 441227, 2446173; 441179, 2446097; 441102, 2446058; 440861, 2446106; 440669, 2446145; 440438, 2446231; 440275, 2446279; 440053, 2446251; 439851, 2446174; 439774, 2446049; 439842, 2445943; 440111, 2445828; 440582, 2445702; 440890, 2445654; 441169, 2445568; 441169, 2445462; 441246, 2445185; 441265, 2445173; 441265, 2445020; 441246, 2444808; 441246, 2444654; 441188, 2444529; 440861, 2444395; 440506, 2444328; 440227, 2444251; 440034, 2444030; 439928, 2443895; 439996, 2443760; 440121, 2443607; 440073, 2443482; 439851, 2443395; 439534, 2443376; 439101, 2443414; 438774, 2443482; 438351, 2443443; 438226, 2443367; 438206, 2443261; 438264, 2443155; 438437, 2443136; 438562, 2443107; 438668, 2443001; 438659, 2442905; 438476, 2442895; 438341, 2442886; 438389, 2442780; 438697, 2442616; 438813, 2442520; 438543, 2442357; 438226, 2442261; 438088, 2442240; 438065, 2442246; 438049, 2442246; 438030, 2442243; 438012, 2442229; 438000, 2442216; 437999, 2442211; 437937, 2442174; 437860, 2442155; 437754, 2442068; 437629, 2442001; 437283, 2442222; 437004, 2442443; 436687, 2442963; 436235, 2443367; 436198, 2443561; 436213, 2443563; 436227, 2443563; 436240, 2443562; 436254, 2443557; 436265, 2443552; 436274, 2443547; 436287, 2443540; 436300, 2443537; 436315, 2443532; 436328, 2443529; 436337, 2443528; 436348, 2443531; 436357, 2443536; 436369, 2443546; 436380, 2443558; 436392, 2443572; 436403, 2443585; 436421, 2443611; 436438, 2443631; 436460, 2443655; 436478, 2443676; 436497, 2443688; 436518, 2443696; 436534, 2443700; 436558, 2443707; 436576, 2443711; 436597, 2443714; 436611, 2443716; 436630, 2443718; 436644, 2443720; 436655, 2443724; 436666, 2443731; 436678, 2443742; 436697, 2443756; 436708, 2443763; 436726, 2443769; 436745, 2443772; 436758, 2443775; 436771, 2443776; 436788, 2443776; 436799, 2443778; 436808, 2443781; 436818, 2443785; 436823, 2443786; 436829, 2443790; 436837, 2443797; 436841, 2443801; 436845, 2443807; 436852, 2443819; 436861, 2443831; 436870, 2443847; 436882, 2443863; 436890, 2443877; 436900, 2443900; 436911, 2443923; 436914, 2443936; 436914, 2443948; 436913, 2443962; 436910, 2443981; 436908, 2443995; 436908, 2444013; 436911, 2444027; 436918, 2444040; 436926, 2444047; 436933, 2444055; 436942, 2444065; 436951, 2444073; 436961, 2444084; 436969, 2444094; 436975, 2444098; 436983, 2444102; 436994, 2444107; 437009, 2444108; 437026, 2444105; 437049, 2444100; 437067, 2444092; 437076, 2444089; 437106, 2444090; 437119, 2444096; 437128, 2444104; 437133, 2444112; 437137, 2444122; 437144, 2444130; 437156, 2444135; 437169, 2444141; 437183, 2444150; 437191, 2444154; 437202, 2444165; 437212, 2444177; 437228, 2444198; 437239, 2444213; 437245, 2444227; 437254, 2444239; 437263, 2444246; 437278, 2444240; 437294, 2444234; 437310, 2444225; 437332, 2444217; 437351, 2444217; 437370, 2444223; 437391, 2444223; 437412, 2444226; 437428, 2444226; 437445, 2444223; 437462, 2444219; 437482, 2444211; 437497, 2444205; 437541, 2444190; 437563, 2444183; 437578, 2444179; 437593, 2444170; 437610, 2444160; 437624, 2444146; 437636, 2444132; 437651, 2444119; 437671, 2444112; 437691, 2444102; 437703, 2444093; 437722, 2444082; 437732, 2444069; 437749, 2444061; 437758, 2444058; 437768, 2444060; 437780, 2444066; 437810, 2444080; 437821, 2444088; 437831, 2444100; 437833, 2444111; 437835, 2444126; 437833, 2444139; 437827, 2444163; 437822, 2444185; 437820, 2444206; 437818, 2444236; 437824, 2444265; 437828, 2444292; 437836, 2444314; 437843, 2444322; 437854, 2444327; 437871, 2444328; 437887, 2444323; 437909, 2444314; 437933, 2444302; 437960, 2444289; 437984, 2444274; 438007, 2444260; 438028, 2444258; 438048, 2444258; 438072, 2444260; 438087, 2444266; 438109, 2444271; 438133, 2444273; 438164, 2444270; 438196, 2444263; 438335, 2444214; return to starting point.

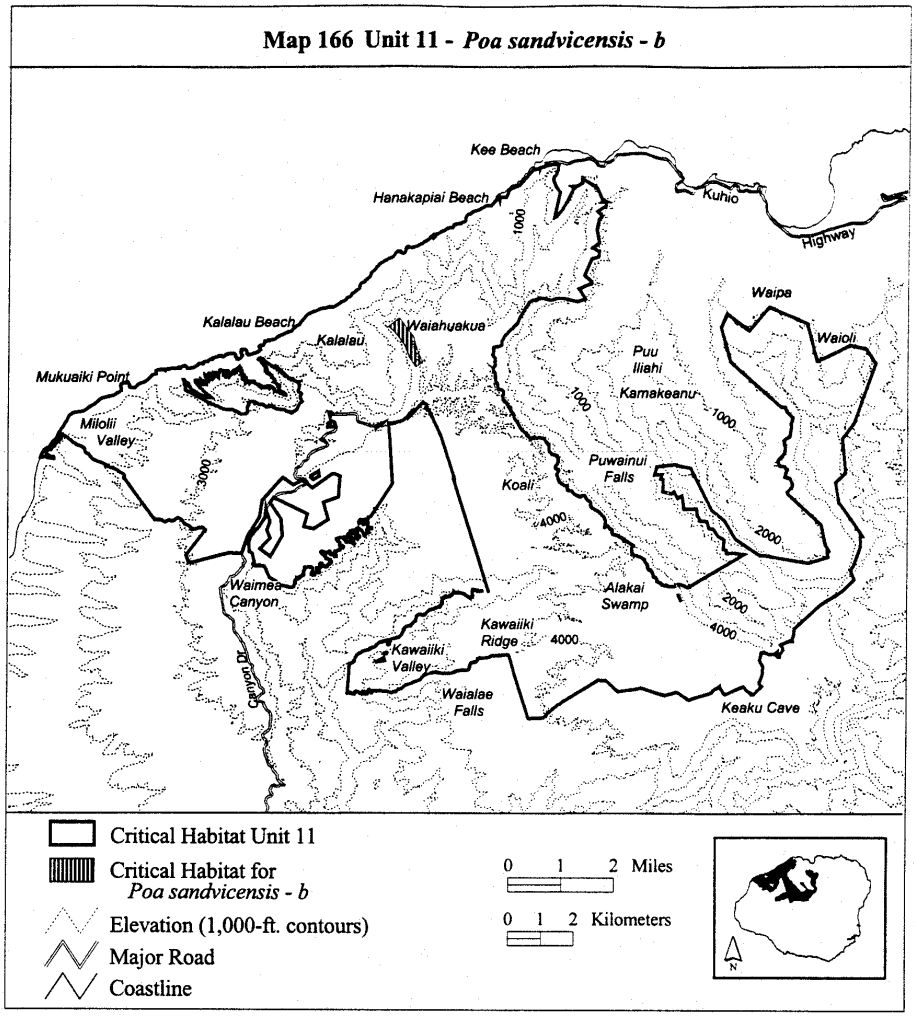
(B) NOTE: Map 165 follows:



(cclxxxvii) Kauai 11—*Poa sandvicensis*—b (52 ha; 129 ac)

(A) Unit consists of the following 10 boundary points: Start at 436055, 2451082; 435856, 2451368; 435690, 2451778; 435398, 2452143; 435211, 2452317; 435557, 2452588; 435790, 2452218; 435961, 2452034; 436121, 2451531; 436275, 2451227; return to starting point.

(B) NOTE: Map 166 follows:



(cclxxxviii) Kauai 11—*Poa siphonoglossa*—a (1,621 ha; 4,006 ac)

(A) Unit consists of the following 227 boundary points: Start at 435318, 2449361; 435292, 2449379; 435269, 2449384; 435247, 2449385; 435234, 2449384; 435236, 2449347; 435272, 2448835; 434926, 2448514; 433562, 2447841; 433527, 2447856; 433396, 2447759; 433345, 2447734; 433014, 2447717; 433109, 2447775; 433094, 2447922; 432827, 2447751; 432878, 2447710; 432213, 2447675; 432081, 2447668; 432001, 2447726; 431942, 2447661; 431912, 2447659; 431752, 2448070; 431709, 2447946; 431586, 2447682; 431454, 2447418; 431304, 2447145; 431119, 2446952; 430635, 2447101; 430494, 2447093; 430327, 2446996; 430019, 2446697; 429904, 2446433; 429975, 2446274; 430168, 2446168; 430432, 2446063; 430573, 2445940; 430564, 2445728; 430432, 2445675; 430115, 2445737; 429790, 2445931; 429684, 2446063; 429618, 2446078; 429654, 2446125; 429591, 2446167; 429485, 2446305; 429263, 2446389; 429094, 2446389; 428972, 2446421; 428904, 2446474; 428793, 2446542; 428740, 2446564; 428655, 2446474; 428602, 2446447; 428476, 2446463; 428396, 2446447; 428285, 2446458; 428116, 2446474; 428047, 2446484; 427185, 2447661; 427161,

2447669; 427157, 2447676; 427157, 2447711; 427175, 2447754; 427176, 2447775; 427171, 2447800; 427160, 2447815; 427130, 2447833; 427219, 2448070; 427360, 2448281; 427360, 2448404; 427360, 2448527; 427457, 2448571; 427800, 2448633; 427967, 2448650; 427932, 2448712; 428038, 2448765; 428135, 2448800; 428126, 2448862; 428038, 2448932; 428038, 2448985; 428205, 2449073; 428363, 2449038; 428399, 2449011; 428504, 2448958; 428592, 2448967; 428601, 2448932; 428645, 2448932; 428733, 2449046; 428821, 2449073; 428989, 2449055; 429112, 2449117; 429182, 2449169; 429323, 2449161; 429350, 2449178; 429314, 2449284; 429350, 2449310; 429675, 2449345; 429790, 2449398; 429878, 2449425; 430080, 2449345; 430212, 2449328; 430354, 2449452; 430355, 2449451; 430369, 2449433; 430418, 2449395; 430437, 2449371; 430430, 2449364; 430451, 2449363; 430463, 2449355; 430474, 2449342; 430485, 2449333; 430527, 2449321; 430533, 2449310; 430545, 2449277; 430559, 2449254; 430604, 2449229; 430616, 2449214; 430623, 2449194; 430623, 2449173; 430616, 2449156; 430619, 2449138; 430629, 2449119; 430643, 2449106; 430677, 2449084; 430699, 2449074; 430717, 2449071; 430748, 2449070; 430773, 2449073; 430799, 2449081; 430825, 2449080; 430875, 2449032; 430881, 2449027; 430905, 2449022; 430921, 2449029; 430944, 2449045; 430958, 2449061; 430967, 2449077; 430984, 2449094; 431006, 2449097; 431020, 2449089; 431028, 2449064; 431024, 2449005; 431035, 2448975; 431050, 2448960; 431066, 2448956; 431086, 2448957; 431093, 2448962; 431116, 2448991; 431124, 2448994; 431134, 2448988; 431138, 2448981; 431147, 2448955; 431158, 2448950; 431170, 2448954; 431195, 2448966; 431208, 2448969; 431223, 2448964; 431228, 2448960; 431275, 2448914; 431290, 2448911; 431310, 2448912; 431339, 2448927; 431358, 2448923; 431376, 2448914; 431407, 2448903; 431463, 2448902; 431473, 2448899; 431479, 2448891; 431501, 2448872; 431538, 2448867; 431545, 2448867; 431567, 2448859; 431580, 2448844; 431596, 2448824; 431611, 2448789; 431609, 2448764; 431601, 2448750; 431600, 2448733; 431627, 2448682; 431636, 2448653; 431677, 2448576; 431702, 2448563; 431763, 2448526; 431788, 2448486; 431824, 2448430; 431830, 2448417; 431840, 2448395; 431847, 2448368; 432630, 2449144; 432749, 2449800; 433222, 2450264; 433345, 2450115; 433481, 2450031; 433526, 2449921; 433637, 2449927; 433624, 2450096; 434143, 2450303; 434279, 2450225; 434207, 2450160; 434331, 2450037; 434460, 2449992; 434590, 2449927; 434558, 2449797; 434635, 2449823; 434713, 2449765; 434707, 2449674; 434772, 2449609; 434849, 2449694; 435011, 2449713; 435148, 2449616; 435414, 2449661; 435666, 2449525; 435669, 2449472; 435664, 2449469; 435598, 2449429; 435576, 2449421; 435549, 2449426; 435517, 2449423; 435501, 2449420; 435469, 2449405; 435418, 2449387; 435390, 2449374; 435390, 2449374; 435368, 2449361; 435334, 2449356; 435319, 2449360; return to starting point.

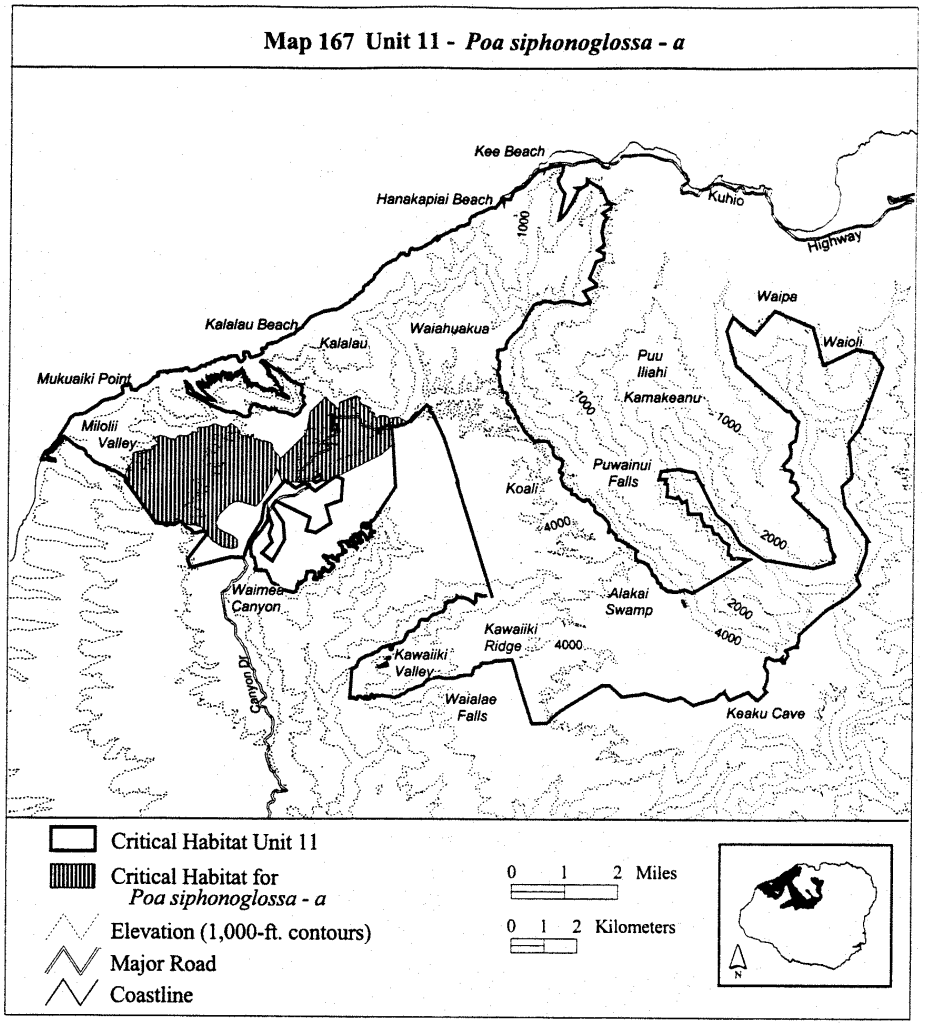
(B) Excluding 3 areas:

(*1*) Bounded by the following 10 points (3 ha, 8 ac): Start at 433368, 2449292; 433367, 2449352; 433448, 2449426; 433546, 2449412; 433567, 2449398; 433589, 2449323; 433612, 2449262; 433588, 2449244; 433567, 2449260; 433369, 2449255; return to starting point; and

(*2*) Bounded by the following 9 points (1 ha, 2 ac): Start at 433484, 2449703; 433480, 2449629; 433457, 2449622; 433440, 2449604; 433426, 2449556; 433419, 2449599; 433399, 2449709; 433436, 2449707; 433460, 2449707; return to starting point; and

(*3*) Bounded by the following 11 points (1 ha, 1 ac): Start at 434908, 2449290; 434890, 2449251; 434848, 2449239; 434839, 2449258; 434834, 2449277; 434833, 2449281; 434881, 2449297; 435011, 2449352; 435005, 2449310; 434948, 2449300; 434908, 2449290; return to starting point.

(C) NOTE: Map 167 follows:



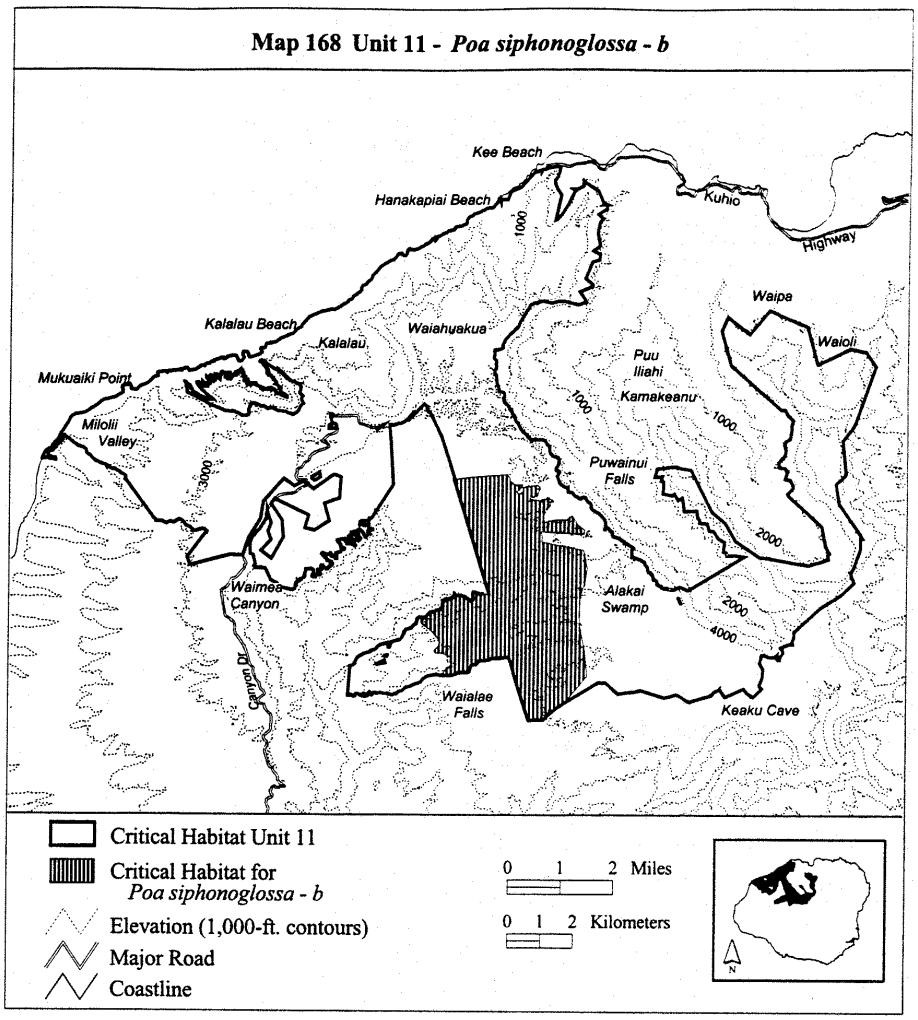
(cclxxxix) Kauai 11—*Poa siphonoglossa*—b (2,190 ha; 5,411 ac)

(A) Unit consists of the following 372 boundary points: Start at 439906, 2445836; 441198, 2445593; 441314, 2445048; 441237, 2444601; 441237, 2444504; 441186, 2444474; 441100, 2444115; 441081, 2443396; 441256, 2442501; 441334, 2441762; 440770, 2441101; 440528, 2440844; 440464, 2440832; 440113, 2440527; 440014, 2440441; 440002, 2440430; 439931, 2440426; 439832, 2440430; 439556, 2440414; 439491, 2440617; 439088, 2441871; 438934, 2442351; 438866, 2442347; 438838, 2442340; 438821, 2442339; 438757, 2442331; 438721, 2442329; 438704, 2442326; 438694, 2442327; 438679, 2442324; 438656, 2442321; 438626, 2442315; 438609, 2442314; 438561, 2442316; 438536, 2442314; 438535, 2442314; 438523, 2442310; 438517, 2442310; 438496, 2442310; 438460, 2442320; 438453, 2442321; 438436, 2442321; 438433, 2442319; 438418, 2442311; 438392, 2442294; 438376, 2442278; 438373, 2442277; 438355, 2442265; 438305, 2442256; 438254, 2442248; 438238, 2442248; 438219, 2442244; 438157, 2442234; 438130, 2442234; 438114, 2442232; 438098,

2442237; 438095, 2442238; 438065, 2442246; 438049, 2442246; 438030, 2442243; 438012, 2442229; 438000, 2442216; 437998, 2442205; 437998, 2442202; 437996, 2442188; 437984, 2442167; 437973, 2442147; 437954, 2442136; 437939, 2442128; 437926, 2442125; 437912, 2442123; 437873, 2442121; 437839, 2442110; 437826, 2442106; 437806, 2442092; 437799, 2442084; 437791, 2442074; 437777, 2442052; 437766, 2442017; 437758, 2441998; 437754, 2441991; 437751, 2441981; 437745, 2441950; 437740, 2441938; 437736, 2441928; 437717, 2441899; 437711, 2441887; 437705, 2441878; 437689, 2441877; 437674, 2441875; 437647, 2441866; 437635, 2441866; 437617, 2441866; 437602, 2441867; 437566, 2441876; 437532, 2441880; 437522, 2441879; 437495, 2441869; 437460, 2441862; 437432, 2441860; 437391, 2441858; 437366, 2441852; 437346, 2441845; 437332, 2441842; 437317, 2441835; 437287, 2441816; 437274, 2441809; 437240, 2441796; 437224, 2441791; 437181, 2441781; 437150, 2441777; 437111, 2441777; 437096, 2441779; 437062, 2441776; 437008, 2441775; 436960, 2441776; 436912, 2441780; 436895, 2441784; 436825, 2441795; 436815, 2441798; 436852, 2441813; 436924, 2441863; 436993, 2441942; 437047, 2442023; 437118, 2442056; 437171, 2442113; 437171, 2442160; 437157, 2442174; 437141, 2442230; 437152, 2442320; 437149, 2442340; 436951, 2442456; 436868, 2442470; 436852, 2442472; 436744, 2442467; 436670, 2442497; 436670, 2442552; 436772, 2442671; 436792, 2442676; 436802, 2442716; 436797, 2442862; 436782, 2442872; 436607, 2443105; 436238, 2443377; 436257, 2443513; 436291, 2443539; 436300, 2443537; 436315, 2443532; 436328, 2443529; 436337, 2443528; 436348, 2443531; 436357, 2443536; 436369, 2443546; 436380, 2443558; 436392, 2443572; 436403, 2443585; 436421, 2443611; 436438, 2443631; 436460, 2443655; 436478, 2443676; 436497, 2443688; 436518, 2443696; 436534, 2443700; 436558, 2443707; 436576, 2443711; 436597, 2443714; 436611, 2443716; 436630, 2443718; 436644, 2443720; 436655, 2443724; 436666, 2443731; 436678, 2443742; 436697, 2443756; 436708, 2443763; 436726, 2443769; 436745, 2443772; 436758, 2443775; 436768, 2443775; 436771, 2443776; 436788, 2443776; 436799, 2443778; 436808, 2443781; 436818, 2443785; 436823, 2443786; 436829, 2443790; 436837, 2443797; 436841, 2443801; 436845, 2443807; 436852, 2443819; 436861, 2443831; 436870, 2443847; 436882, 2443863; 436890, 2443877; 436900, 2443900; 436911, 2443923; 436914, 2443936; 436914, 2443948; 436913, 2443962; 436910, 2443981; 436908, 2443995; 436908, 2444013; 436908, 2444013; 436911, 2444027; 436918, 2444040; 436926, 2444047; 436933, 2444055; 436942, 2444065; 436943, 2444066; 436951, 2444073; 436961, 2444084; 436969, 2444094; 436975, 2444098; 436983, 2444102; 436994, 2444107; 437009, 2444108; 437026, 2444105; 437049, 2444100; 437067, 2444092; 437076, 2444089; 437106, 2444090; 437119, 2444096; 437128, 2444104; 437133, 2444112; 437137, 2444122; 437144, 2444130; 437156, 2444135; 437169, 2444141; 437183, 2444150; 437191, 2444154; 437202, 2444165; 437212, 2444177; 437228, 2444198; 437239, 2444213; 437239, 2444213; 437245, 2444227; 437254, 2444239; 437263, 2444246; 437278, 2444240; 437294, 2444234; 437310, 2444225; 437332, 2444217; 437351, 2444217; 437370, 2444223; 437391, 2444223; 437412, 2444226; 437428, 2444226; 437445, 2444223; 437462, 2444219; 437482, 2444211; 437497, 2444205; 437541, 2444190; 437563, 2444183; 437578, 2444179; 437592, 2444171; 437593, 2444170; 437610, 2444160; 437624, 2444146; 437636, 2444132; 437651, 2444119; 437671, 2444112; 437691, 2444102; 437703, 2444093; 437722, 2444082; 437732, 2444069; 437749, 2444061; 437758, 2444058; 437768, 2444060; 437780, 2444066; 437810, 2444080; 437821, 2444088; 437831, 2444100; 437833, 2444111; 437835, 2444126; 437833, 2444139; 437827, 2444163; 437822, 2444185; 437820, 2444206; 437819, 2444215; 437818, 2444236; 437824, 2444265; 437828, 2444292; 437836, 2444314; 437843, 2444322; 437854, 2444327; 437871, 2444328; 437887, 2444323; 437909, 2444314; 437933, 2444302; 437960, 2444289; 437963, 2444287; 437984, 2444274; 438007, 2444260; 438028, 2444258; 438048, 2444258; 438072, 2444260; 438087, 2444266; 438109, 2444271; 438133, 2444273; 438164, 2444270; 438196, 2444263; 438335, 2444214; 438318, 2444268; 438317, 2444269; 438316, 2444271; 438316, 2444271; 438316, 2444271; 437232, 2447645; 437248, 2447657; 437230, 2447713; 437833, 2447791; 438864, 2447868; 438891, 2447799; 438900, 2447794; 438924, 2447717; 438940, 2447677; 439038, 2447573; 439215, 2447563; 439278, 2447580; 439290, 2447559; 439330, 2447557; 439285, 2447522; 439249, 2447443; 439141, 2447346; 439178, 2447298; 439205, 2447282; 439258, 2447293; 439325, 2447367; 439345, 2447472; 439510, 2447528; 439527, 2447477; 439609, 2447524; 439777, 2447545; 439837, 2447502; 439853, 2447479; 439856, 2447479; 439797, 2447304; 439773, 2447296; 439791, 2447275; 439776, 2447216; 439557, 2447183; 439528, 2447125; 439795, 2447081; 439817, 2447082; 439817, 2447077; 439856, 2447071; 439910, 2447092; 439910, 2447123; 440014, 2447134; 440072, 2447154; 440108, 2447168; 440110,

2447167; 440144, 2447179; 440141, 2447143; 440146, 2447140; 440234, 2447108; 440263, 2447052; 440170, 2447045; 440174, 2446941; 440148, 2446878; 440115, 2446879; 440108, 2446857; 439975, 2446650; 439979, 2446414; 440303, 2446507; 440653, 2446507; 440848, 2446623; 441003, 2446351; 441217, 2446195; 441178, 2446059; 439894, 2446138; 439903, 2446071; 439927, 2445971; return to starting point.

(B) NOTE: Map 168 follows:



(ccxc) Kauai 11–*Psychotria grandiflora*–b

(A) See paragraph (a)(1)(cxxx)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(cxxx)(B) of this section for the map of this unit.

(ccxci) Kauai 11–*Psychotria grandiflora*–c

(A) See paragraph (a)(1)(cxlvi)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(cxlvi)(B) of this section for the map of this unit.

(ccxcii) Kauai 11–*Psychotria hobdyi*–b

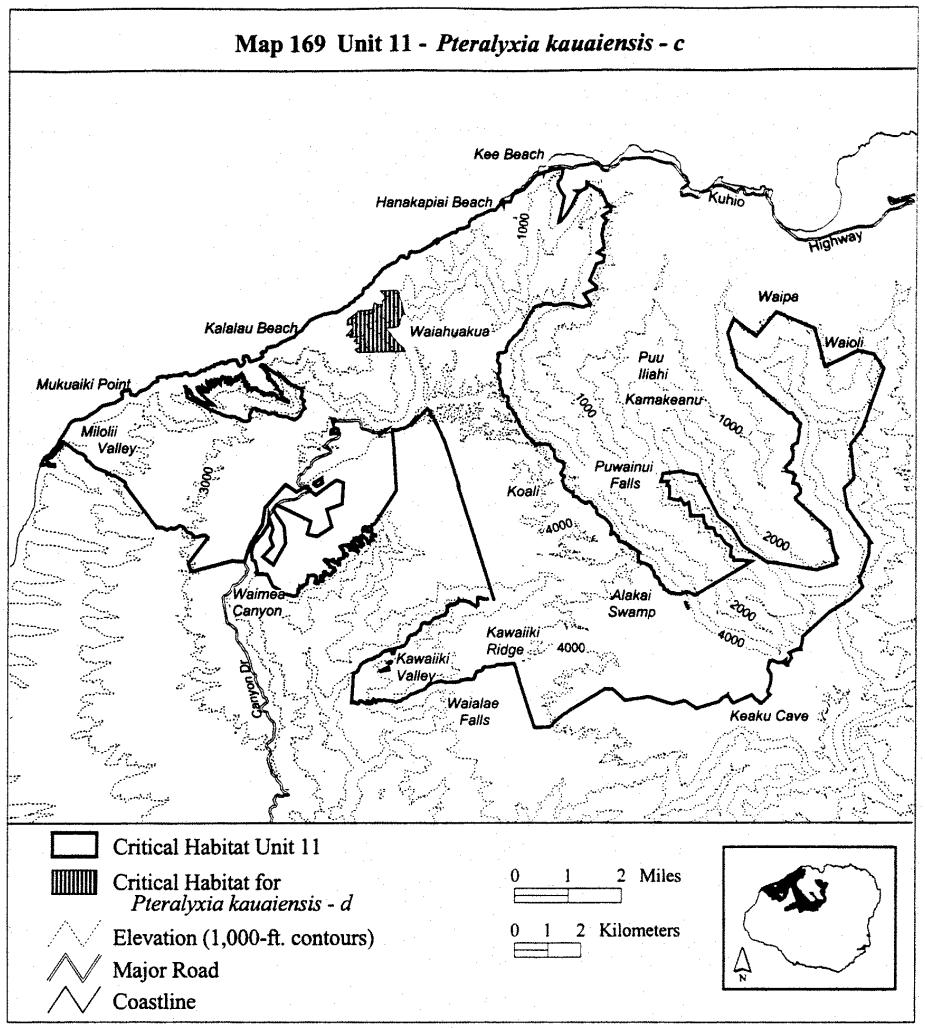
(A) See paragraph (a)(1)(cxxxiii)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(cxxxiii)(B) of this section for the map of this unit.

(ccxciii) Kauai 11—*Pteralyxia kauaiensis*—c (209 ha; 516 ac)

(A) Unit consists of the following 44 boundary points: Start at 435602, 2452865; 435551, 2452875; 435510, 2452794; 435460, 2452713; 435460, 2452612; 435409, 2452500; 435288, 2452470; 435024, 2452460; 435176, 2452288; 435217, 2452207; 435277, 2452126; 435419, 2451974; 435551, 2451852; 435592, 2451741; 434183, 2451701; 434102, 2451792; 434264, 2451873; 434213, 2451893; 434254, 2451984; 434112, 2451984; 434163, 2452065; 434051, 2452045; 434173, 2452187; 433940, 2452157; 433940, 2452248; 433828, 2452207; 433940, 2452339; 434041, 2452481; 433960, 2452582; 433838, 2452531; 433858, 2452693; 434051, 2452845; 434193, 2452966; 434517, 2452997; 434629, 2453017; 434669, 2453219; 434781, 2453169; 434933, 2453169; 434912, 2453280; 434983, 2453320; 434994, 2453452; 434872, 2453584; 435186, 2453594; 435379, 2453594; return to starting point.

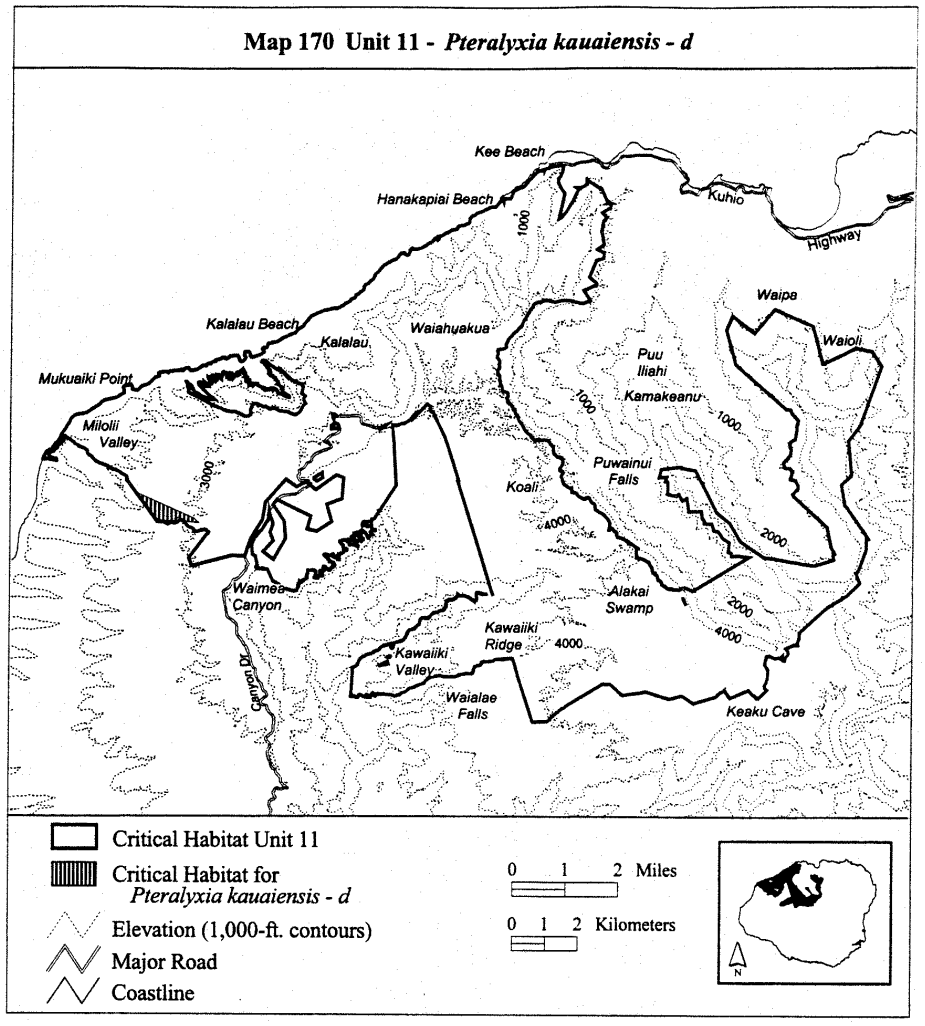
(B) NOTE: Map 169 follows:



(ccxciv) Kauai 11—*Pteralyxia kauaiensis*—d (57 ha; 141 ac)

(A) Unit consists of the following 15 boundary points: Start at 427428, 2447329; 429224, 2446536; 429347, 2446394; 428978, 2446451; 428955, 2446435; 428904, 2446474; 428793, 2446542; 428740, 2446564; 428655, 2446474; 428602, 2446447; 428476, 2446463; 428396, 2446447; 428285, 2446458; 428116, 2446474; 428047, 2446484; return to starting point.

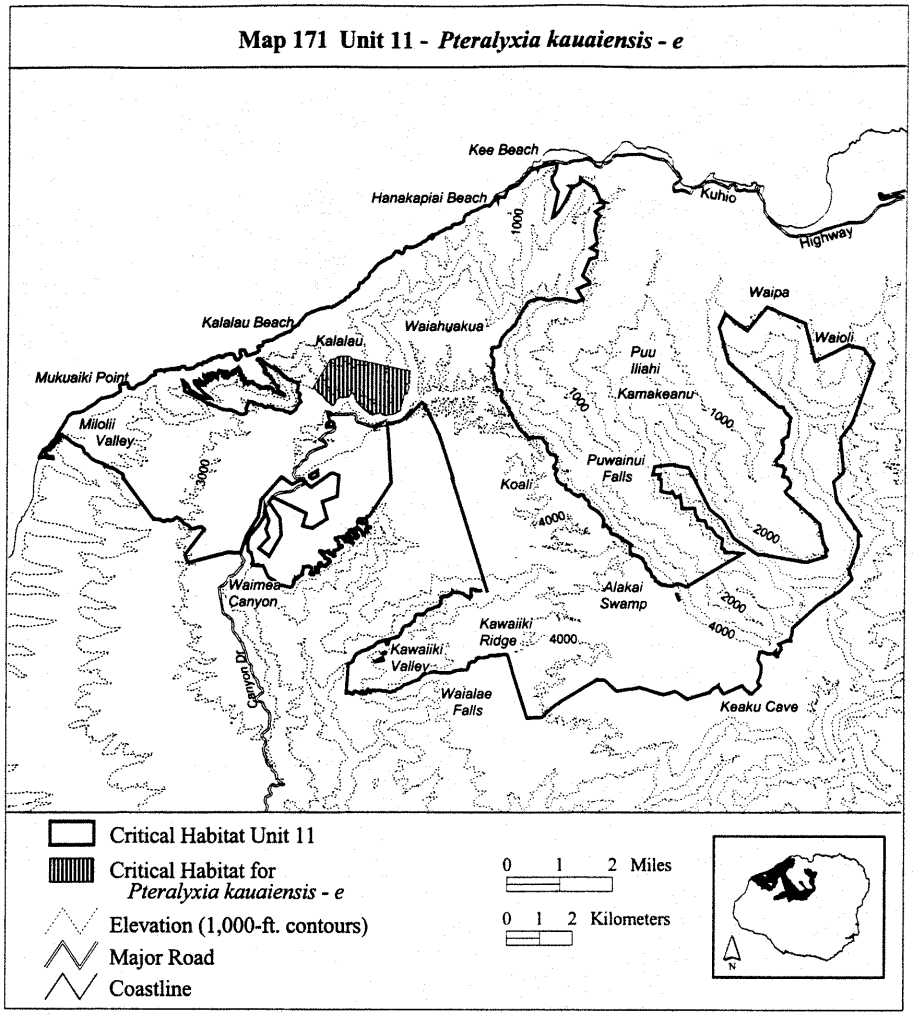
(B) NOTE: Map 170 follows:



(ccxcv) Kauai 11—*Pteralyxia kauaiensis*—e (353 ha; 872 ac)

(A) Unit consists of the following 42 boundary points: Start at 434264, 2451326; 435936, 2450971; 435875, 2450799; 435916, 2450657; 435835, 2450586; 435906, 2450505; 435855, 2450364; 435855, 2450293; 435733, 2450252; 435723, 2450121; 435693, 2450040; 435642, 2449908; 435642, 2449766; 435531, 2449706; 435389, 2449645; 435156, 2449635; 435105, 2449625; 435024, 2449716; 434913, 2449685; 434771, 2449635; 434659, 2449716; 434507, 2449817; 434355, 2449969; 434213, 2450182; 434274, 2450222; 434142, 2450324; 434031, 2450172; 433737, 2450162; 433676, 2450091; 433615, 2449969; 433554, 2449909; 433483, 2449970; 433362, 2450071; 433190, 2450273; 433088, 2450334; 432967, 2450466; 433473, 2451326; 433615, 2451337; 433717, 2451418; 433869, 2451428; 434061, 2451428; 434163, 2451346; return to starting point.

(B) NOTE: Map 171 follows:



(ccxcvi) Kauai 11—*Pteralyxia kauaiensis*—f (589 ha; 1,453 ac)

(A) Unit consists of the following 463 boundary points: Start at 435336, 2442801; 435344, 2442802; 435367, 2442807; 435391, 2442814; 435415, 2442819; 435435, 2442826; 435454, 2442831; 435476, 2442838; 435496, 2442844; 435516, 2442850; 435530, 2442853; 435534, 2442855; 435543, 2442858; 435556, 2442862; 435571, 2442867; 435585, 2442876; 435598, 2442885; 435608, 2442891; 435619, 2442899; 435627, 2442904; 435642, 2442920; 435658, 2442932; 435668, 2442948; 435673, 2442959; 435681, 2442977; 435688, 2442995; 435693, 2443006; 435698, 2443024; 435704, 2443036; 435708, 2443047; 435715, 2443064; 435722, 2443078; 435725, 2443086; 435729, 2443093; 435735, 2443103; 435738, 2443112; 435743, 2443127; 435749, 2443138; 435753, 2443149; 435757, 2443155; 435766, 2443169; 435778, 2443179; 435790, 2443186; 435804, 2443188; 435821, 2443194; 435842, 2443199; 435861, 2443202; 435874, 2443204; 435889, 2443208; 435904, 2443211; 435933, 2443223; 435942, 2443232; 435949, 2443246; 435958, 2443255; 435969, 2443263; 435979, 2443271; 435993, 2443281; 436010, 2443297; 436032, 2443316; 436048, 2443332; 436064,

2443343; 436080, 2443358; 436089, 2443375; 436095, 2443390; 436100, 2443403; 436107, 2443421; 436113, 2443456; 436118, 2443477; 436123, 2443502; 436134, 2443520; 436146, 2443534; 436160, 2443543; 436175, 2443554; 436190, 2443560; 436213, 2443563; 436227, 2443563; 436240, 2443562; 436254, 2443557; 436265, 2443552; 436274, 2443547; 436287, 2443540; 436300, 2443537; 436315, 2443532; 436328, 2443529; 436337, 2443528; 436348, 2443531; 436357, 2443536; 436369, 2443546; 436380, 2443558; 436392, 2443572; 436403, 2443585; 436421, 2443611; 436438, 2443631; 436460, 2443655; 436478, 2443676; 436497, 2443688; 436518, 2443696; 436534, 2443700; 436558, 2443707; 436576, 2443711; 436597, 2443714; 436611, 2443716; 436630, 2443718; 436644, 2443720; 436655, 2443724; 436666, 2443731; 436678, 2443742; 436697, 2443756; 436708, 2443763; 436726, 2443769; 436745, 2443772; 436758, 2443775; 436771, 2443776; 436788, 2443776; 436799, 2443778; 436808, 2443781; 436818, 2443785; 436823, 2443786; 436829, 2443790; 436837, 2443797; 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438990, 2444644; 439218, 2444741; 439455, 2444846; 439639, 2444846; 439700, 2445074; 440094, 2445038; 440454, 2444793; 440243, 2444784; 440183, 2444848; 440016, 2444942; 439849, 2444916; 439919, 2444749; 439753, 2444513; 439490, 2444373; 439314, 2444215; 439139, 2444101; 439060, 2444127; 438999, 2443970; 438806, 2444022; 438648, 2444101; 438595, 2444128; 438499, 2443952; 438315, 2443882; 438315, 2443821; 438070, 2443733; 438017, 2443874; 437815, 2443821; 437579, 2443786; 437386, 2443742; 437482, 2443567; 437263, 2443506; 437254, 2443400; 437342, 2443339; 437193, 2443278; 437070, 2443278; 436939, 2443295; 436667, 2443252; 436667, 2443155; 436632, 2443068; 436702, 2442980; 436474, 2442822; 436614, 2442840; 436816, 2442857; 436798, 2442752; 436939, 2442682; 437061, 2442734; 437140, 2442620; 436947, 2442480; 437053, 2442305; 437132, 2442174; 437281, 2442174; 437289, 2442068; 437070, 2442033; 437061, 2441893; 436772, 2441937; 436755, 2442033; 436667, 2441955; 436606, 2441998; 436457, 2441981; 436413, 2441902; 436246, 2441893; 436097, 2441972; 435878, 2441884; 435939, 2441735; 435817, 2441639; 435703, 2441622; 435703, 2441455; 435343, 2441455; 435291, 2441324; 435124, 2441245; 435166, 2441229; 435127, 2441232; 435053, 2441251; 435010, 2441263; 434950, 2441241; 434901, 2441226; 434881, 2441230; 434867, 2441252; 434859, 2441262; 434851, 2441266; 434843, 2441266; 434811, 2441263; 434806, 2441260; 434794, 2441245; 434787, 2441223; 434779, 2441196; 434754, 2441166; 434742, 2441170; 434733, 2441191; 434717, 2441232; 434699, 2441277; 434696, 2441283; 434689, 2441286; 434676, 2441286; 434669, 2441281; 434661, 2441273; 434653, 2441254; 434641, 2441213; 434631, 2441186; 434629, 2441175; 434626, 2441167; 434615, 2441161; 434592, 2441168; 434580, 2441170; 434570, 2441168; 434563, 2441163; 434556, 2441145; 434551, 2441140; 434542, 2441137; 434538, 2441144; 434535, 2441154; 434536, 2441173; 434530, 2441201; 434523, 2441222; 434520, 2441227; 434516, 2441230; 434508, 2441229; 434501,

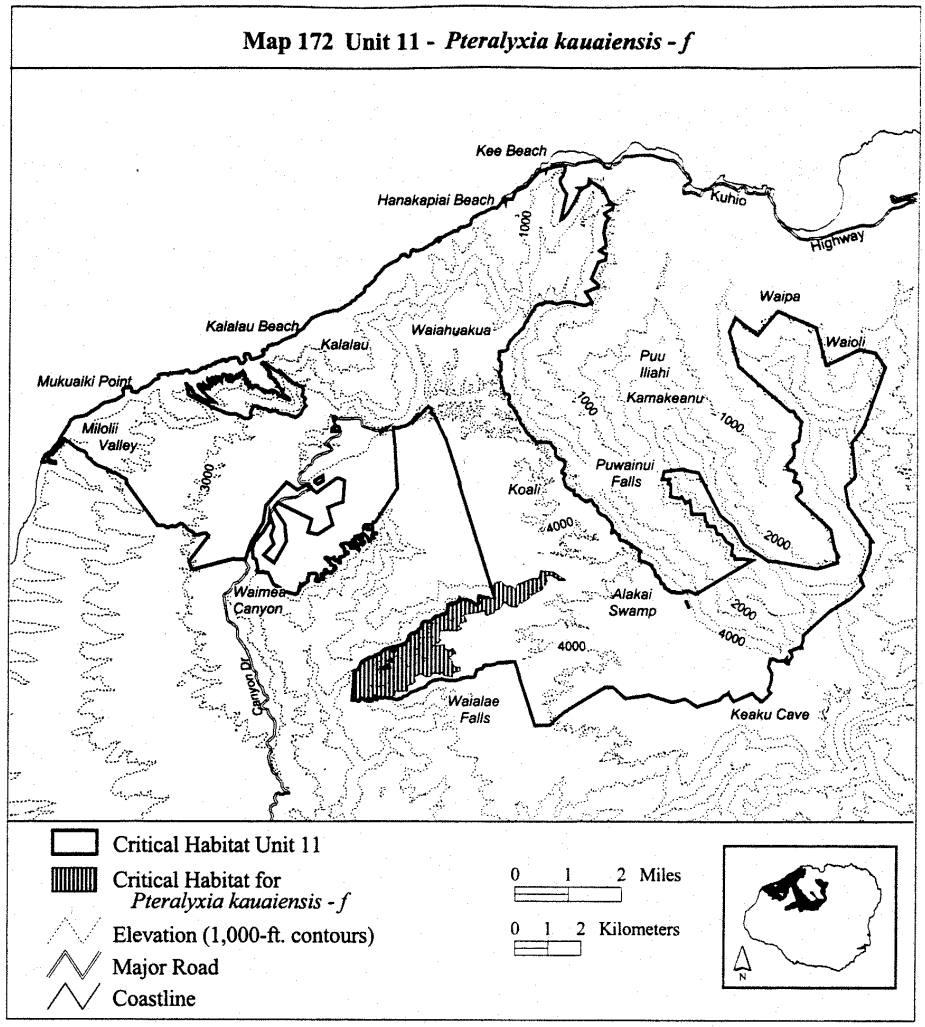
2441223; 434489, 2441216; 434475, 2441203; 434448, 2441190; 434424, 2441176; 434397, 2441178; 434359, 2441197; 434333, 2441217; 434325, 2441222; 434308, 2441229; 434293, 2441229; 434280, 2441225; 434259, 2441212; 434253, 2441203; 434240, 2441177; 434228, 2441152; 434223, 2441147; 434216, 2441143; 434190, 2441144; 434174, 2441147; 434155, 2441156; 434145, 2441157; 434130, 2441163; 434110, 2441175; 434097, 2441181; 434079, 2441193; 434069, 2441192; 434062, 2441188; 434026, 2441177; 434018, 2441178; 434073, 2442051; 434078, 2442055; 434086, 2442062; 434103, 2442070; 434112, 2442076; 434126, 2442080; 434139, 2442083; 434144, 2442086; 434153, 2442092; 434175, 2442105; 434192, 2442116; 434203, 2442127; 434215, 2442141; 434220, 2442151; 434229, 2442173; 434247, 2442208; 434253, 2442234; 434261, 2442257; 434269, 2442282; 434282, 2442299; 434295, 2442316; 434308, 2442329; 434330, 2442350; 434344, 2442361; 434355, 2442368; 434370, 2442378; 434395, 2442387; 434416, 2442397; 434439, 2442410; 434458, 2442423; 434486, 2442437; 434504, 2442450; 434522, 2442454; 434537, 2442457; 434563, 2442460; 434590, 2442462; 434610, 2442464; 434628, 2442472; 434643, 2442483; 434664, 2442490; 434680, 2442493; 434700, 2442502; 434713, 2442515; 434725, 2442524; 434735, 2442532; 434755, 2442542; 434775, 2442551; 434800, 2442556; 434822, 2442562; 434842, 2442574; 434862, 2442596; 434883, 2442613; 434896, 2442626; 434916, 2442647; 434934, 2442668; 434949, 2442681; 434972, 2442699; 434986, 2442705; 434997, 2442708; 435006, 2442713; 435012, 2442717; 435026, 2442719; 435039, 2442722; 435061, 2442727; 435081, 2442733; 435100, 2442739; 435119, 2442747; 435135, 2442754; 435150, 2442764; 435164, 2442771; 435184, 2442774; 435201, 2442777; 435219, 2442778; 435237, 2442782; 435251, 2442783; 435228, 2442762; 435237, 2442643; 435284, 2442631; return to starting point.

(B) Excluding 2 areas:

(*1*) Bounded by the following 3 points (1 ha; 3 ac): Start at 435132, 2442248; 435160, 2442164; 434848, 2442098; return to starting point; and

(*2*) Bounded by the following 4 points (0 ha; 1 ac): Start at 435151, 2442425; 435215, 2442393; 435195, 2442353; 435128, 2442379; return to starting point.

(C) NOTE: Map 172 follows:

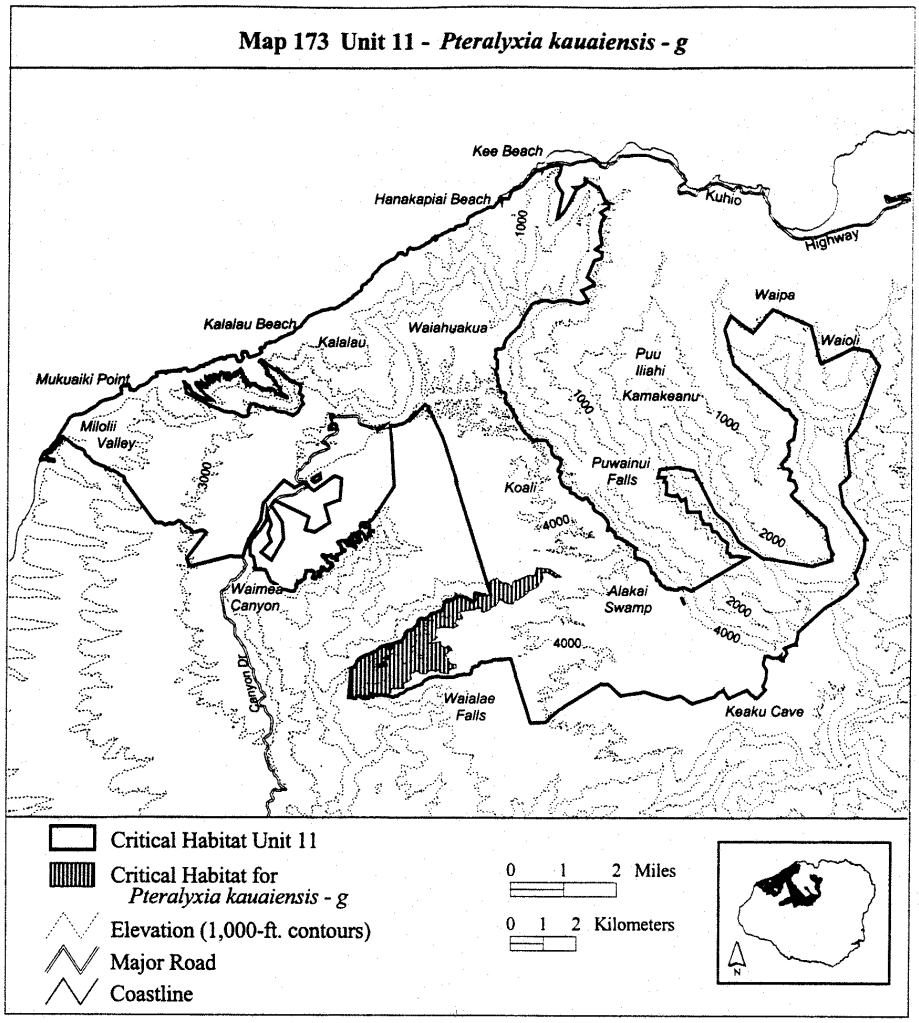


(ccxcvii) Kauai 11—*Pteralyxia kauaiensis*—g (445 ha; 1,100 ac)

(A) Unit consists of the following 136 boundary points: Start at 426830, 2448935; 426830, 2448946; 426865, 2448996; 426916, 2449001; 426976, 2448996; 427021, 2449001; 427096, 2449031; 427131, 2449051; 427237, 2449021; 427372, 2449006; 427513, 2449041; 427578, 2449031; 427638, 2449051; 427679, 2449061; 427814, 2449036; 427884, 2449056; 427894, 2449132; 427844, 2449202; 427799, 2449282; 427623, 2449312; 427463, 2449317; 427307, 2449292; 427227, 2449302; 427131, 2449342; 427041, 2449398; 427081, 2449468; 427257, 2449498; 427407, 2449548; 427583, 2449668; 427679, 2449709; 427759, 2449663; 427834, 2449663; 427935, 2449678; 428040, 2449588; 428145, 2449377; 428271, 2449272; 428396, 2449237; 428452, 2449197; 428422, 2449177; 428301, 2449147; 428321, 2449086; 428376, 2449051; 428376, 2449016; 428452, 2448961; 428462, 2448896; 428442, 2448800; 428321, 2448775; 428266, 2448795; 428241, 2448785; 428216, 2448730; 428271, 2448660; 428306, 2448600; 428306, 2448582; 429490, 2448299; 429651, 2448166; 429727,

2448242; 429983, 2448223; 430125, 2448308; 430134, 2448147; 429859, 2448138; 429765, 2447986; 430030, 2447910; 429594, 2447854; 429547, 2447759; 429272, 2447797; 429224, 2447749; 429243, 2447664; 429338, 2447711; 429471, 2447598; 429565, 2447598; 429622, 2447560; 429565, 2447503; 429565, 2447427; 429651, 2447380; 429537, 2447323; 429480, 2447323; 429347, 2447446; 429347, 2447304; 427881, 2447774; 427879, 2447772; 427930, 2447722; 427914, 2447661; 427814, 2447666; 427598, 2447732; 427553, 2447727; 427523, 2447732; 427458, 2447772; 427387, 2447757; 427282, 2447842; 427247, 2447872; 427111, 2447887; 427056, 2447862; 427016, 2447912; 426931, 2447952; 426835, 2448008; 426750, 2448043; 426599, 2448113; 426589, 2448188; 426127, 2448336; 426097, 2448378; 426063, 2448412; 426051, 2448421; 426007, 2448440; 425989, 2448455; 425969, 2448492; 425954, 2448543; 425949, 2448584; 425923, 2448613; 425884, 2448631; 425855, 2448652; 425837, 2448658; 425792, 2448676; 425765, 2448685; 425735, 2448700; 425708, 2448709; 425675, 2448727; 425654, 2448744; 425621, 2448768; 425591, 2448786; 425552, 2448813; 425528, 2448834; 425487, 2448867; 425460, 2448891; 425421, 2448924; 425388, 2448948; 425334, 2448975; 425329, 2448978; 425337, 2449010; 425479, 2449057; 425479, 2449181; 425602, 2449067; 425764, 2448953; 425830, 2448991; 425934, 2449001; 426001, 2448953; 426399, 2449038; return to starting point.

(B) NOTE: Map 173 follows:

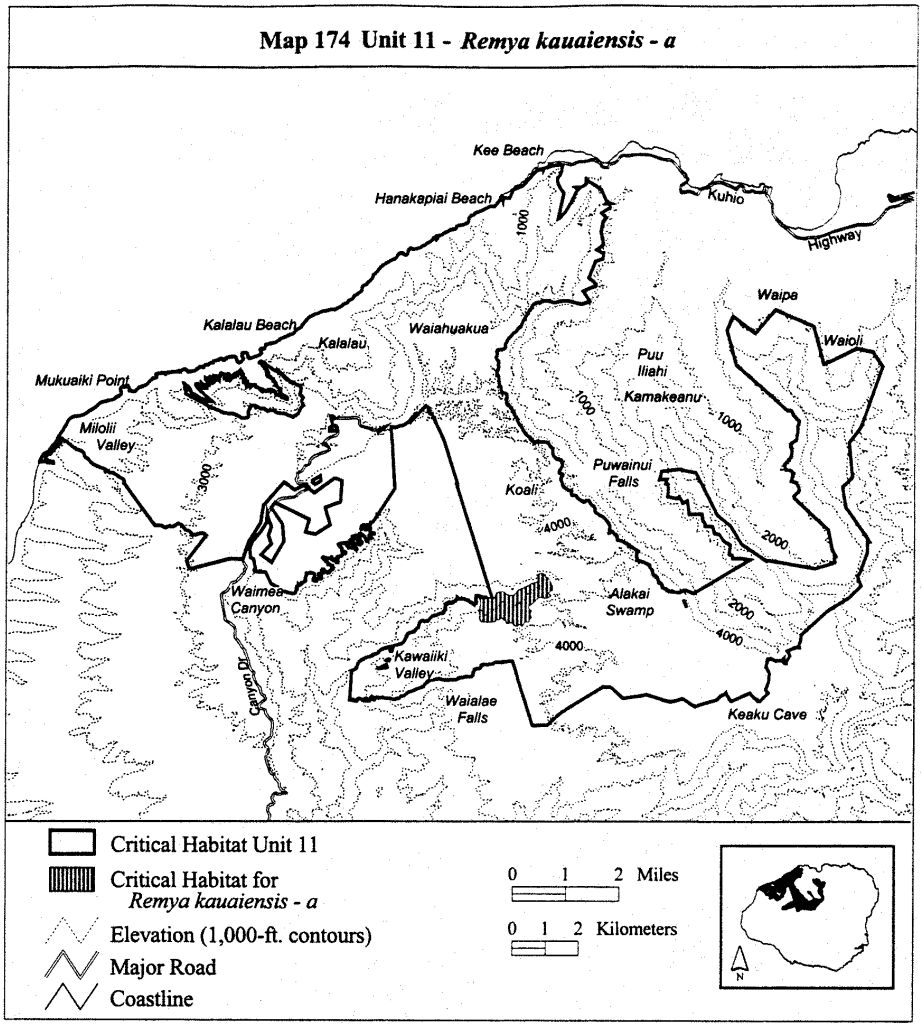


(ccxcviii) Kauai 11—*Remya kauaiensis*—a (172 ha; 426 ac)

(A) Unit consists of the following 107 boundary points: Start at 437937, 2443749; 437924, 2443901; 437955, 2444013; 437973, 2444102; 437928, 2444227; 437902, 2444298; 437907, 2444314; 437909, 2444314; 437933, 2444302; 437960, 2444289; 437984, 2444274; 438007, 2444260; 438028, 2444258; 438048, 2444258; 438072, 2444260; 438087, 2444266; 438109, 2444271; 438133, 2444273; 438164, 2444270; 438196, 2444263; 438335, 2444214; 438310, 2444290; 438384, 2444240; 438455, 2444396; 438625, 2444450; 438696, 2444419; 438799, 2444334; 438946, 2444334; 439013, 2444356; 439080, 2444450; 439129, 2444494; 439250, 2444539; 439326, 2444579; 439402, 2444619; 439540, 2444686; 439678, 2444726; 439710, 2444829; 439705, 2444936; 439759, 2444985; 439857, 2445003; 439897, 2444931; 439919, 2444896; 440004, 2444860; 440058, 2444753; 440107, 2444668; 440138, 2444623; 440143, 2444574; 440143, 2444539; 440143, 2444476; 440071, 2444445; 440018, 2444405; 440018, 2444374; 440067, 2444351; 440080, 2444302; 440058, 2444275; 439928,

2444231; 439830, 2444271; 439750, 2444267; 439678, 2444222; 439607, 2444137; 439495, 2444057; 439428, 2444008; 439415, 2443959; 439464, 2443887; 439500, 2443878; 439518, 2443861; 439486, 2443843; 439486, 2443812; 439477, 2443771; 439464, 2443770; 439500, 2443655; 439473, 2443620; 439446, 2443588; 439446, 2443539; 439428, 2443513; 439312, 2443513; 439294, 2443508; 439268, 2443450; 439241, 2443401; 439210, 2443392; 439187, 2443441; 439125, 2443441; 439067, 2443397; 439035, 2443392; 438955, 2443455; 438946, 2443486; 438919, 2443508; 438852, 2443499; 438803, 2443468; 438754, 2443481; 438750, 2443504; 438745, 2443544; 438719, 2443575; 438669, 2443575; 438669, 2443624; 438620, 2443647; 438585, 2443638; 438544, 2443602; 438473, 2443598; 438442, 2443593; 438415, 2443535; 438308, 2443513; 438085, 2443522; 438009, 2443526; 437955, 2443571; 437933, 2443665; 437940, 2443749; return to starting point.

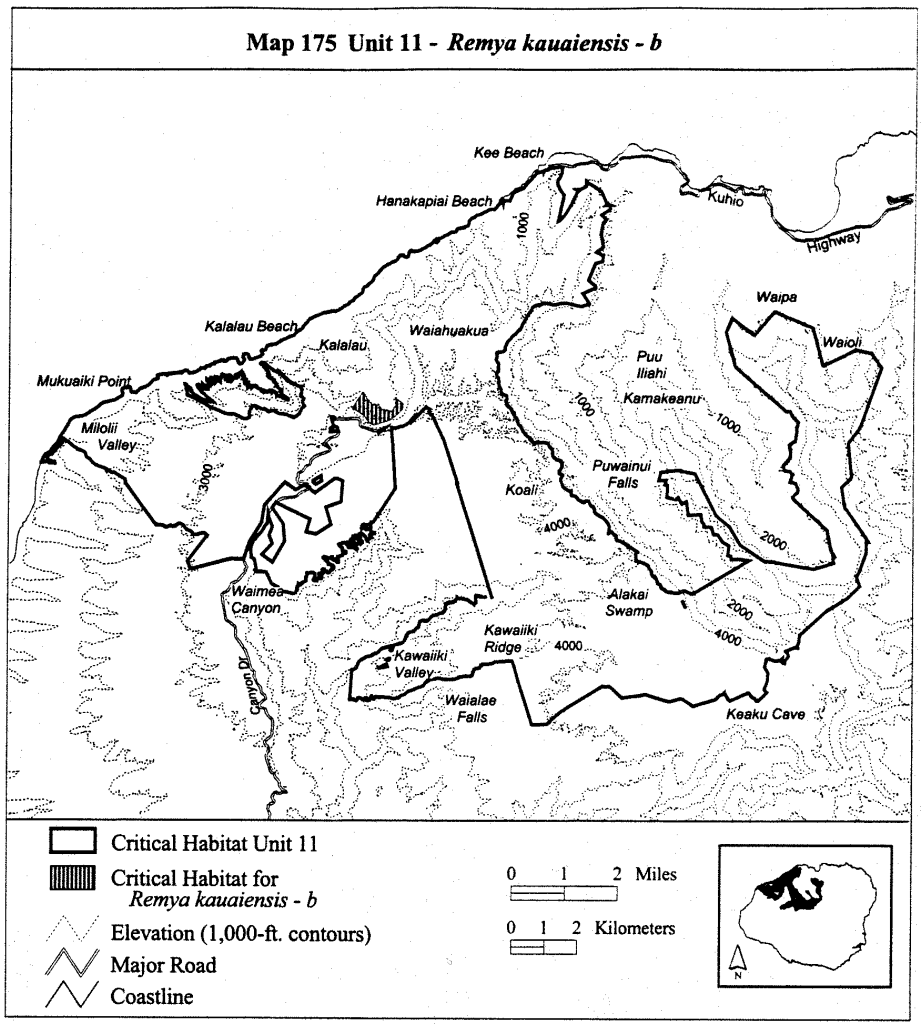
(B) NOTE: Map 174 follows:



(ccxcix) Kauai 11—*Remya kauaiensis*—b (66 ha; 163 ac)

(A) Unit consists of the following 19 boundary points: Start at 434356, 2450470; 434503, 2450255; 434622, 2450093; 434841, 2450072; 434941, 2449932; 435078, 2449914; 435232, 2449871; 435368, 2450079; 435350, 2450294; 435580, 2450125; 435569, 2449953; 435472, 2449863; 435368, 2449752; 435167, 2449623; 434776, 2449484; 434694, 2449462; 434539, 2449541; 434381, 2449771; 434044, 2449989; return to starting point.

(B) NOTE: Map 175 follows:

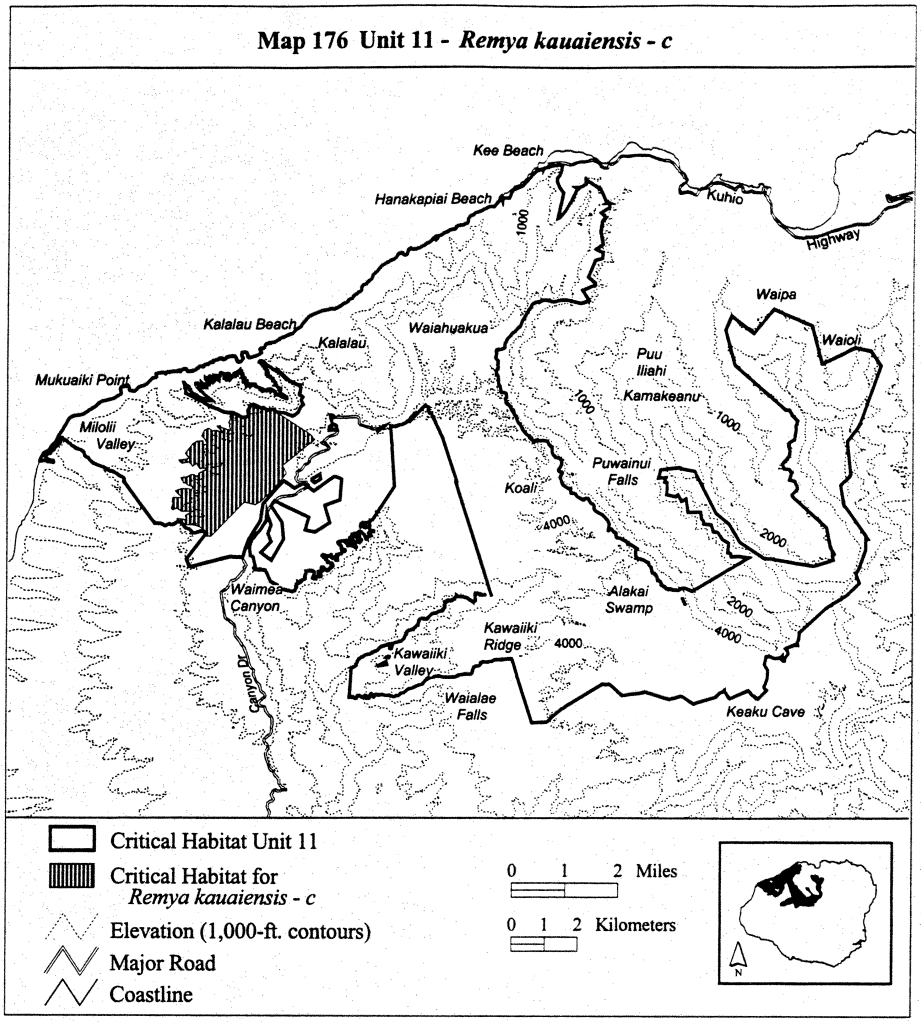


(ccc) Kauai 11—*Remya kauaiensis*—c (886 ha; 2,190 ac)

(A) Unit consists of the following 119 boundary points: Start at 431977, 2448160; 432081, 2447933; 431820, 2447620; 431629, 2447412; 431298, 2447081; 431124, 2446995; 430828, 2447064; 430817, 2447078; 429798, 2446041; 429595, 2446048; 429654,

2446125; 429591, 2446167; 429485, 2446305; 429263, 2446389; 429094, 2446389; 428972, 2446421; 428904, 2446474; 428793, 2446542; 428774, 2446550; 428762, 2446580; 428765, 2446584; 429064, 2446531; 429021, 2446658; 429244, 2446797; 428914, 2446797; 428765, 2446882; 428648, 2446839; 428595, 2446892; 428659, 2447052; 428627, 2447073; 428648, 2447201; 428936, 2447211; 428808, 2447318; 428723, 2447414; 428904, 2447477; 429117, 2447477; 429202, 2447435; 429244, 2447541; 429085, 2447595; 429021, 2447658; 428968, 2447658; 428883, 2447797; 429085, 2447829; 429191, 2447914; 429266, 2447914; 429393, 2447839; 429425, 2447946; 429649, 2448063; 429628, 2448105; 429457, 2448095; 429340, 2448244; 429234, 2448158; 429138, 2448286; 428915, 2448244; 428829, 2448339; 429064, 2448361; 429149, 2448424; 429074, 2448478; 429032, 2448552; 429244, 2448829; 429362, 2448914; 429543, 2448924; 429564, 2448807; 429681, 2448818; 429649, 2448882; 429617, 2448967; 429511, 2449084; 429596, 2449254; 429734, 2449318; 429819, 2449233; 429958, 2449244; 430160, 2449169; 429968, 2449371; 430064, 2449382; 430075, 2449339; 430181, 2449307; 430362, 2449254; 430330, 2449414; 430330, 2449415; 430366, 2449436; 430355, 2449451; 430349, 2449466; 430335, 2449474; 430320, 2449476; 430320, 2449477; 430394, 2449658; 430350, 2449658; 430348, 2449666; 430376, 2449750; 430384, 2449766; 430406, 2449796; 430471, 2449787; 430527, 2449754; 430583, 2449736; 430635, 2449693; 430696, 2449656; 430720, 2449646; 430819, 2449646; 430899, 2449674; 430918, 2449717; 430904, 2449834; 430927, 2449905; 430955, 2449985; 430993, 2450032; 431068, 2450041; 431153, 2450008; 431238, 2449970; 431285, 2449942; 431360, 2449956; 431449, 2449886; 431497, 2449867; 431605, 2449895; 431632, 2449893; 432647, 2449237; 432672, 2449222; 432832, 2449094; 432927, 2448966; 432512, 2448626; 431953, 2448167; return to starting point.

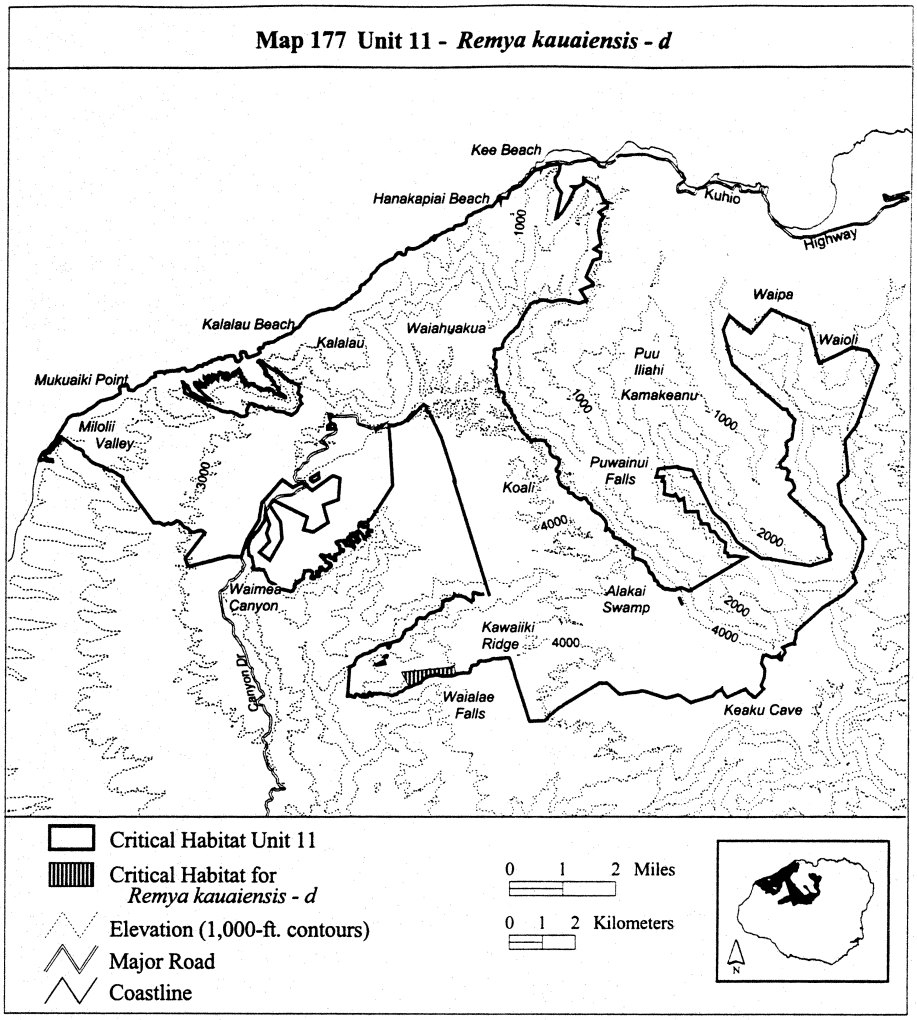
(B) NOTE: Map 176 follows:



(ccci) Kauai 11—*Remya kauaiensis*—d (47 ha; 115 ac)

(A) Unit consists of the following 51 boundary points: Start at 435663, 2441899; 437117, 2442058; 437240, 2442106; 437316, 2441834; 437287, 2441816; 437274, 2441809; 437240, 2441796; 437224, 2441791; 437181, 2441781; 437150, 2441777; 437111, 2441777; 437096, 2441779; 437062, 2441776; 437008, 2441775; 436960, 2441776; 436912, 2441780; 436895, 2441784; 436825, 2441795; 436799, 2441801; 436777, 2441809; 436730, 2441820; 436695, 2441811; 436666, 2441808; 436638, 2441803; 436618, 2441796; 436593, 2441792; 436583, 2441789; 436541, 2441785; 436492, 2441773; 436453, 2441759; 436419, 2441739; 436408, 2441737; 436374, 2441718; 436357, 2441708; 436342, 2441700; 436319, 2441681; 436285, 2441639; 436272, 2441618; 436247, 2441590; 436228, 2441575; 436203, 2441564; 436181, 2441558; 436167, 2441552; 436155, 2441546; 436121, 2441536; 436070, 2441515; 436039, 2441504; 436027, 2441501; 435983, 2441481; 435950, 2441467; 435894, 2441450; return to starting point.

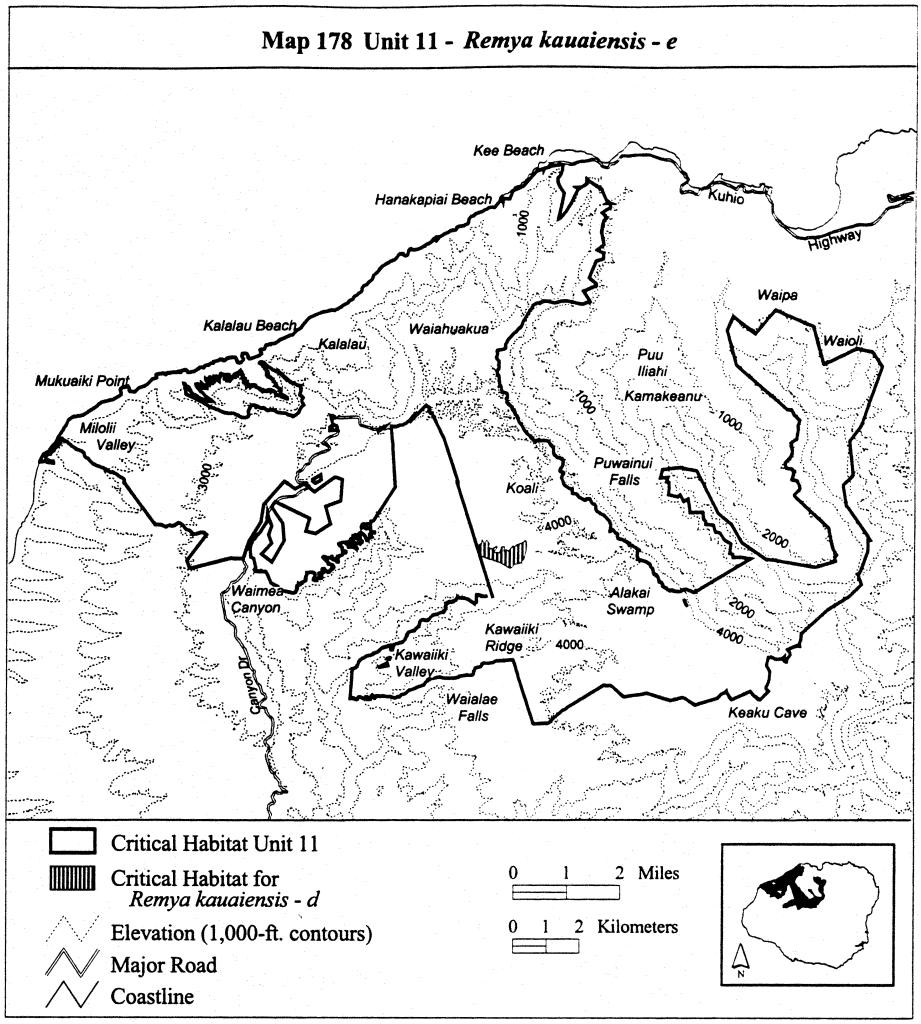
(B) NOTE: Map 177 follows:



(cccii) Kauai 11—*Remya kauaiensis*—e (66 ha, 163 ac)

(A) Unit consists of the following 48 boundary points: Start at 437855, 2445706; 437877, 2445731; 437906, 2445821; 437983, 2445872; 437996, 2445968; 438025, 2445891; 438060, 2445843; 438124, 2445965; 438197, 2445865; 438213, 2445843; 438178, 2445750; 438293, 2445689; 438341, 2445734; 438438, 2445779; 438450, 2445747; 438393, 2445660; 438341, 2445593; 438505, 2445580; 438572, 2445708; 438575, 2445763; 438658, 2445766; 438646, 2445664; 438646, 2445616; 438713, 2445667; 438777, 2445628; 438918, 2445792; 438953, 2445744; 439030, 2445811; 439251, 2445897; 439289, 2445958; 439318, 2445919; 439328, 2445836; 439318, 2445679; 439286, 2445555; 439257, 2445401; 439187, 2445295; 439136, 2445260; 438969, 2445228; 438905, 2445151; 438851, 2445110; 438831, 2445107; 438700, 2445203; 438559, 2445267; 438470, 2445308; 438361, 2445331; 438303, 2445382; 438236, 2445382; 437929, 2445478; return to starting point.

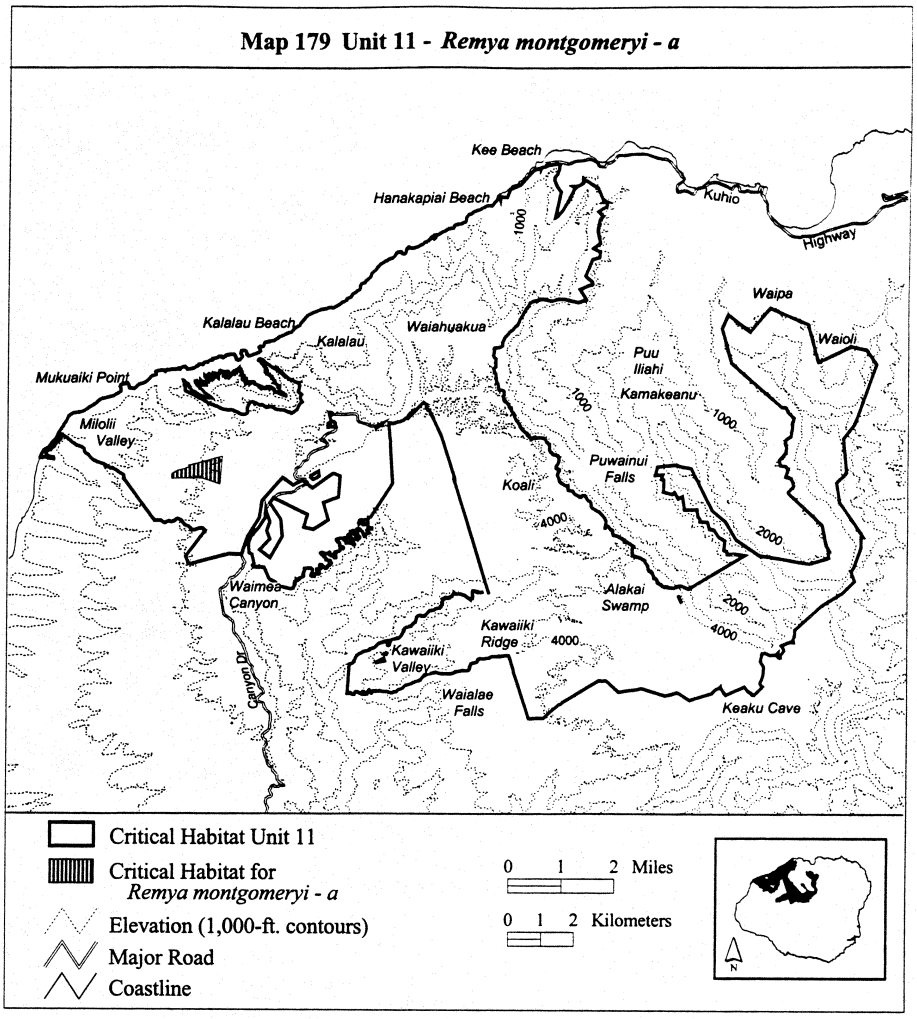
(B) NOTE: Map 178 follows:



(ccciii) Kauai 11—*Remya montgomeryi*—a (69 ha; 171 ac)

(A) Unit consists of the following 12 boundary points: Start at 428611, 2447702; 428616, 2447840; 428804, 2447934; 428942, 2447978; 429058, 2448006; 429174, 2448056; 429113, 2448100; 429373, 2448149; 430157, 2448370; 430091, 2447531; 429544, 2447708; 428821, 2447708; return to starting point.

(B) NOTE: Map 179 follows:

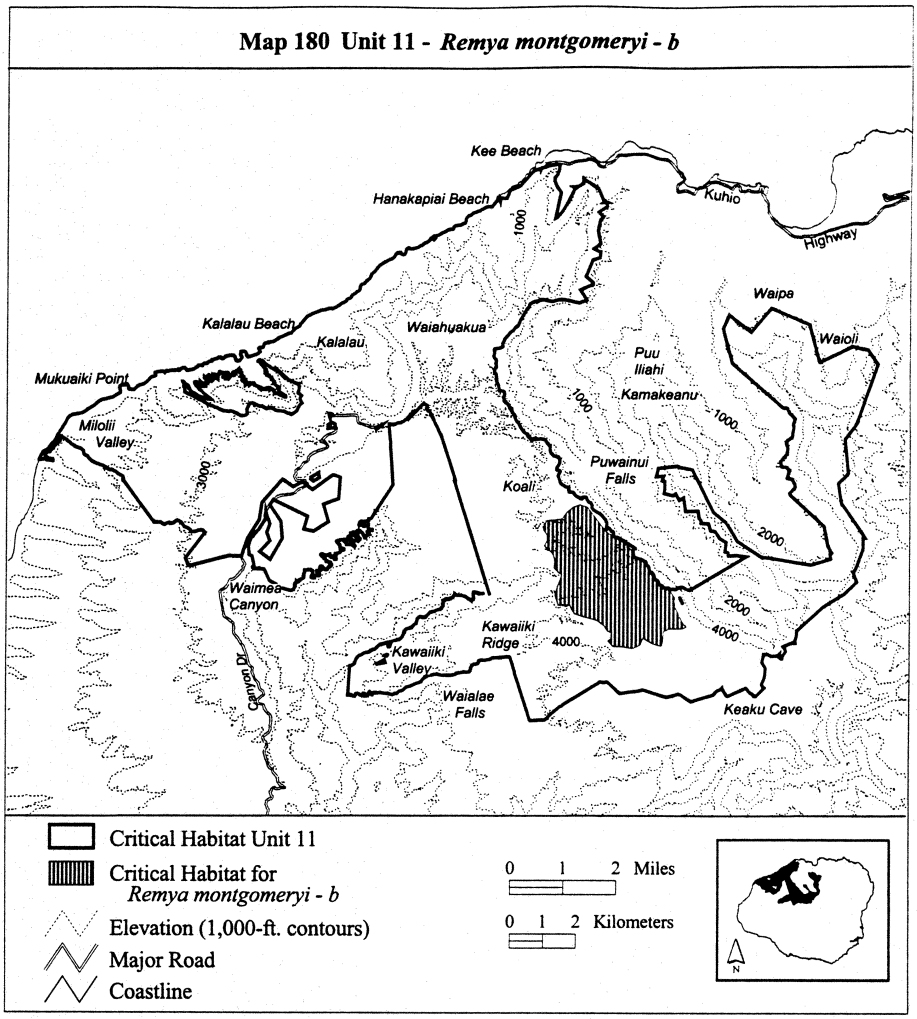


(ccciv) Kauai 11—*Remya montgomeryi*—b (1,010 ha; 2,496 ac)

(A) Unit consists of the following 245 boundary points: Start at 442448, 2445805; 442665, 2445511; 442672, 2445510; 442668, 2445494; 442667, 2445490; 442671, 2445471; 442675, 2445453; 442682, 2445433; 442689, 2445419; 442694, 2445414; 442709, 2445399; 442727, 2445386; 442743, 2445378; 442747, 2445377; 442765, 2445370; 442785, 2445364; 442798, 2445359; 442804, 2445357; 442821, 2445353; 442842, 2445347; 442858, 2445342; 442862, 2445341; 442877, 2445336; 442898, 2445330; 442915, 2445323; 442934, 2445314; 442952, 2445303; 442956, 2445301; 442972, 2445292; 442981, 2445284; 442990, 2445276; 443009, 2445266; 443029, 2445263; 443047, 2445260; 443065, 2445247; 443068, 2445227; 443066, 2445209; 443066, 2445190; 443083, 2445171; 443103, 2445152; 443122, 2445132; 443135, 2445115; 443140, 2445105; 443144, 2445096; 443150, 2445078; 443152, 2445059; 443153, 2445040; 443153, 2445020; 443156, 2445003; 443158, 2444995; 443163, 2444984; 443175, 2444965; 443177, 2444962; 443193, 2444946; 443196, 2444944; 443215, 2444938; 443234, 2444932; 443240, 2444927; 443252, 2444914; 443260, 2444907; 443271,

2444898; 443281, 2444890; 443290, 2444876; 443294, 2444870; 443301, 2444851; 443307, 2444833; 443309, 2444829; 443313, 2444815; 443320, 2444796; 443327, 2444778; 443333, 2444758; 443341, 2444740; 443346, 2444728; 443352, 2444721; 443366, 2444706; 443373, 2444702; 443385, 2444699; 443403, 2444695; 443423, 2444686; 443435, 2444664; 443440, 2444655; 443443, 2444647; 443444, 2444627; 443447, 2444608; 443452, 2444591; 443459, 2444579; 443464, 2444570; 443478, 2444555; 443483, 2444551; 443497, 2444548; 443516, 2444546; 443534, 2444543; 443553, 2444537; 443557, 2444532; 443571, 2444521; 443579, 2444514; 443598, 2444493; 443610, 2444483; 443617, 2444477; 443628, 2444469; 443647, 2444460; 443666, 2444456; 443677, 2444459; 443685, 2444463; 443703, 2444469; 443722, 2444464; 443732, 2444458; 443740, 2444454; 443760, 2444446; 443769, 2444440; 443778, 2444434; 443793, 2444421; 443804, 2444409; 443811, 2444401; 443815, 2444392; 443818, 2444383; 443824, 2444364; 443829, 2444347; 443835, 2444332; 443836, 2444327; 443846, 2444307; 443853, 2444296; 443857, 2444289; 443865, 2444271; 443871, 2444260; 443875, 2444247; 443889, 2444232; 443902, 2444214; 443910, 2444204; 443915, 2444196; 443929, 2444175; 443934, 2444158; 443936, 2444133; 443931, 2444120; 443927, 2444113; 443925, 2444103; 443924, 2444082; 443925, 2444064; 443926, 2444045; 443928, 2444028; 443931, 2444009; 443935, 2443990; 443936, 2443970; 443934, 2443951; 443934, 2443934; 443935, 2443915; 443939, 2443896; 443945, 2443877; 443955, 2443857; 443963, 2443839; 443965, 2443836; 443972, 2443821; 443984, 2443805; 443987, 2443801; 444000, 2443783; 444003, 2443777; 444005, 2443764; 444012, 2443746; 444022, 2443733; 444025, 2443727; 444035, 2443709; 444041, 2443694; 444041, 2443690; 444048, 2443672; 444055, 2443652; 444056, 2443633; 444051, 2443614; 444051, 2443596; 444058, 2443577; 444080, 2443566; 444096, 2443558; 444114, 2443539; 444125, 2443521; 444133, 2443503; 444134, 2443498; 444139, 2443484; 444146, 2443464; 444153, 2443447; 444164, 2443427; 444171, 2443417; 444180, 2443407; 444191, 2443390; 444202, 2443371; 444210, 2443360; 444215, 2443352; 444228, 2443337; 444232, 2443334; 444246, 2443322; 444259, 2443315; 444267, 2443312; 444285, 2443303; 444288, 2443300; 444287, 2443267; 444175, 2443218; 443802, 2443211; 443603, 2443118; 443591, 2442857; 443541, 2442683; 443305, 2442739; 442975, 2442920; 442895, 2442714; 442665, 2442609; 442310, 2442665; 442080, 2442671; 441918, 2442827; 441999, 2442901; 442024, 2443094; 441887, 2443131; 441788, 2443305; 441583, 2443454; 441135, 2443585; 440886, 2443666; 440799, 2443803; 440762, 2443921; 440538, 2443927; 440402, 2443914; 440314, 2444219; 440370, 2444480; 440445, 2444666; 440501, 2444859; 440420, 2444909; 440259, 2445052; 440296, 2445238; 440265, 2445387; 440190, 2445530; 440035, 2445648; 439973, 2445735; 440047, 2445872; 440047, 2446052; 439948, 2446195; 440022, 2446469; 440513, 2446543; 440625, 2446717; 440843, 2446885; 441042, 2446972; 441274, 2446893; 441832, 2446159; 442113, 2445986; 442326, 2445854; 442415, 2445847; 442422, 2445840; 442430, 2445830; 442430, 2445827; 442435, 2445813; 442444, 2445807; return to starting point.

(B) NOTE: Map 180 follows:

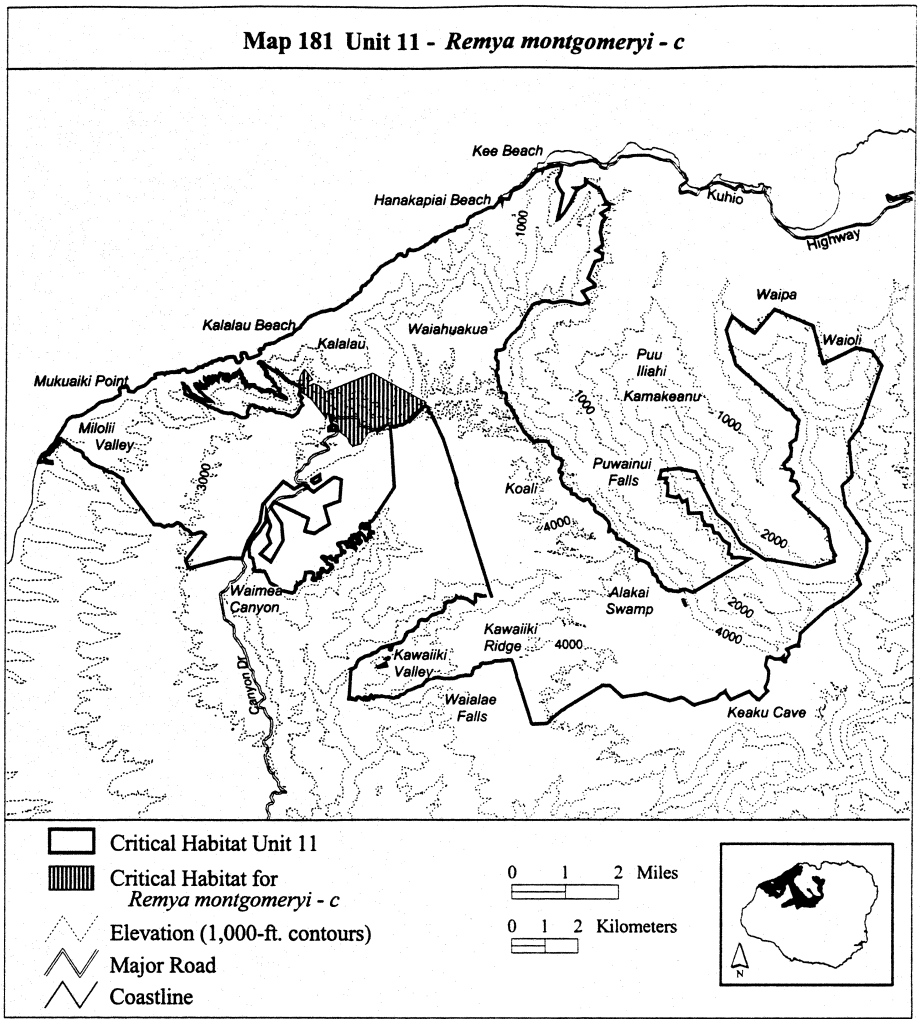


(cccv) Kauai 11—*Remya montgomeryi*—c (435 ha; 1,076 ac)

(A) Unit consists of the following 73 boundary points: Start at 434088, 2448772; 434057, 2448814; 433978, 2448898; 433944, 2448994; 433902, 2449074; 433692, 2449220; 433659, 2449275; 433659, 2449342; 433625, 2449489; 433500, 2449564; 433462, 2449619; 433461, 2449623; 433480, 2449629; 433484, 2449703; 433460, 2449707; 433444, 2449707; 433441, 2449723; 433318, 2449783; 433292, 2449640; 432855, 2450187; 432823, 2450206; 432826, 2450224; 432797, 2450260; 432768, 2450266; 432752, 2450270; 432745, 2450272; 432733, 2450275; 432709, 2450317; 432692, 2450330; 432650, 2450343; 432591, 2450373; 432573, 2450385; 432550, 2450412; 432528, 2450468; 432515, 2450503; 432494, 2450543; 432477, 2450580; 432468, 2450593; 432464, 2450611; 432465, 2450623; 432450, 2450624; 432445, 2450625; 432435, 2450666; 432502, 2450935; 432628, 2451128; 432889, 2450808; 432771, 2450766; 432737, 2450598; 432897, 2450691; 433099, 2450615; 433217, 2450489; 433248, 2450427; 434703, 2451005; 436330, 2450099; 436237, 2450032; 436212, 2450009; 436203, 2450009; 436111, 2449924; 436109, 2449918; 435562, 2449429; 435168,

2449400; 435010, 2449343; 435011, 2449352; 434884, 2449298; 434872, 2449294; 434833, 2449281; 434833, 2449280; 434814, 2449273; 434573, 2449187; 434342, 2448860; 434340, 2448859; 434109, 2448774; 434091, 2448768; return to starting point.

(B) NOTE: Map 181 follows:

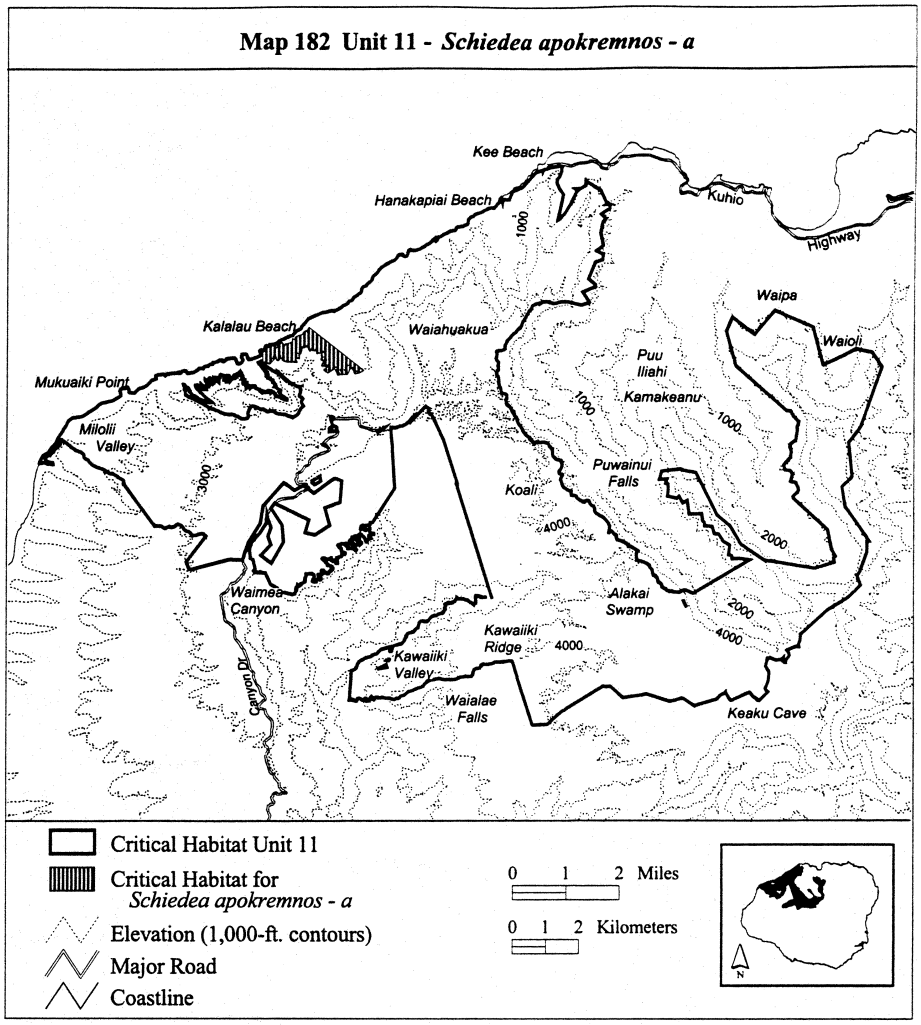


(cccvi) Kauai 11—*Schiedea apokremnos*—a (170 ha; 420 ac)

(A) Unit consists of the following 121 boundary points: Start at 432745, 2452425; 434404, 2451114; 434287, 2451030; 434135, 2451007; 434062, 2451170; 433978, 2451164; 433917, 2450991; 433698, 2450985; 433608, 2450963; 433524, 2451170; 433328, 2451041; 433188, 2451120; 433322, 2451237; 433132, 2451249; 433143, 2451316; 433210, 2451411; 433126, 2451411; 433098, 2451450; 433132, 2451512; 433109, 2451568; 433126, 2451663; 432980, 2451618; 432969, 2451714; 432919, 2451708; 432812, 2451742; 432773, 2451669; 432689, 2451842; 432621, 2451820; 432571, 2451803; 432537, 2451730; 432504,

2451635; 432453, 2451590; 432453, 2451467; 432347, 2451490; 432347, 2451450; 432392, 2451355; 432319, 2451350; 432201, 2451372; 432139, 2451366; 432016, 2451383; 431932, 2451439; 431893, 2451507; 431831, 2451411; 431775, 2451411; 431736, 2451507; 431657, 2451423; 431618, 2451367; 431579, 2451299; 431511, 2451311; 431416, 2451367; 431378, 2451323; 431373, 2451329; 431370, 2451323; 431360, 2451314; 431351, 2451321; 431337, 2451323; 431318, 2451324; 431304, 2451317; 431293, 2451316; 431287, 2451322; 431281, 2451336; 431277, 2451355; 431264, 2451350; 431245, 2451336; 431233, 2451323; 431242, 2451310; 431267, 2451297; 431294, 2451278; 431312, 2451246; 431348, 2451203; 431384, 2451176; 431402, 2451170; 431407, 2451149; 431415, 2451137; 431428, 2451129; 431432, 2451109; 431442, 2451094; 431457, 2451086; 431456, 2451081; 431450, 2451067; 431455, 2451053; 431467, 2451047; 431486, 2451047; 431488, 2451038; 431482, 2451029; 431481, 2451010; 431487, 2450998; 431504, 2450987; 431499, 2450978; 431486, 2450974; 431476, 2450971; 431456, 2450971; 431455, 2450971; 431158, 2451367; 431349, 2451456; 431321, 2451557; 431287, 2451714; 431371, 2451669; 431438, 2451820; 431461, 2451787; 431567, 2451848; 431685, 2451893; 431769, 2451798; 431808, 2451826; 431775, 2451882; 431853, 2451910; 431937, 2451966; 432016, 2451865; 432027, 2451915; 432083, 2451927; 432150, 2451938; 432223, 2451988; 432251, 2452067; 432319, 2452039; 432319, 2452111; 432448, 2452184; 432532, 2452201; 432593, 2452291; 432672, 2452313; 432706, 2452246; 432700, 2452369; return to starting point.

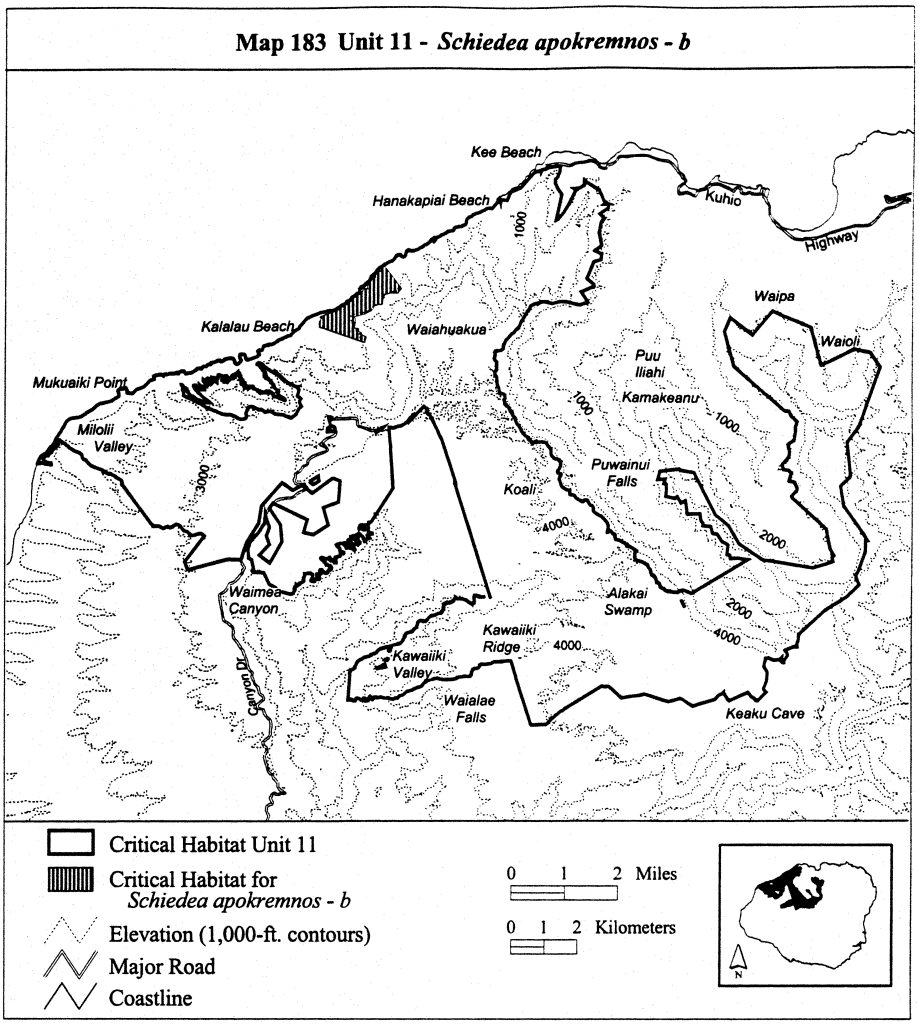
(B) NOTE: Map 182 follows:



(cccvii) Kauai 11—*Schiedea apokremnos*—b (187 ha; 463 ac)

(A) Unit consists of the following 49 boundary points: Start at 435094, 2454278; 435593, 2453600; 435509, 2453505; 435509, 2453460; 435374, 2453455; 435279, 2453455; 435184, 2453449; 435077, 2453393; 435083, 2453309; 435038, 2453287; 435015, 2453130; 434982, 2453113; 434892, 2453113; 434774, 2453068; 434713, 2452945; 434601, 2452884; 434483, 2452816; 434180, 2452744; 434203, 2452592; 434169, 2452385; 434309, 2452374; 434309, 2452307; 434388, 2452245; 434371, 2452195; 434533, 2452116; 434488, 2451948; 433115, 2452430; 433092, 2452565; 433171, 2452677; 433132, 2452722; 433311, 2452806; 433704, 2452951; 433743, 2452957; 433788, 2453029; 433995, 2453164; 434085, 2453242; 434186, 2453332; 434354, 2453438; 434421, 2453516; 434427, 2453617; 434561, 2453584; 434567, 2453712; 434657, 2453819; 434780, 2453964; 434802, 2453948; 434802, 2454032; 434903, 2454149; 434971, 2454132; 434993, 2454233; return to starting point.

(B) NOTE: Map 183 follows:

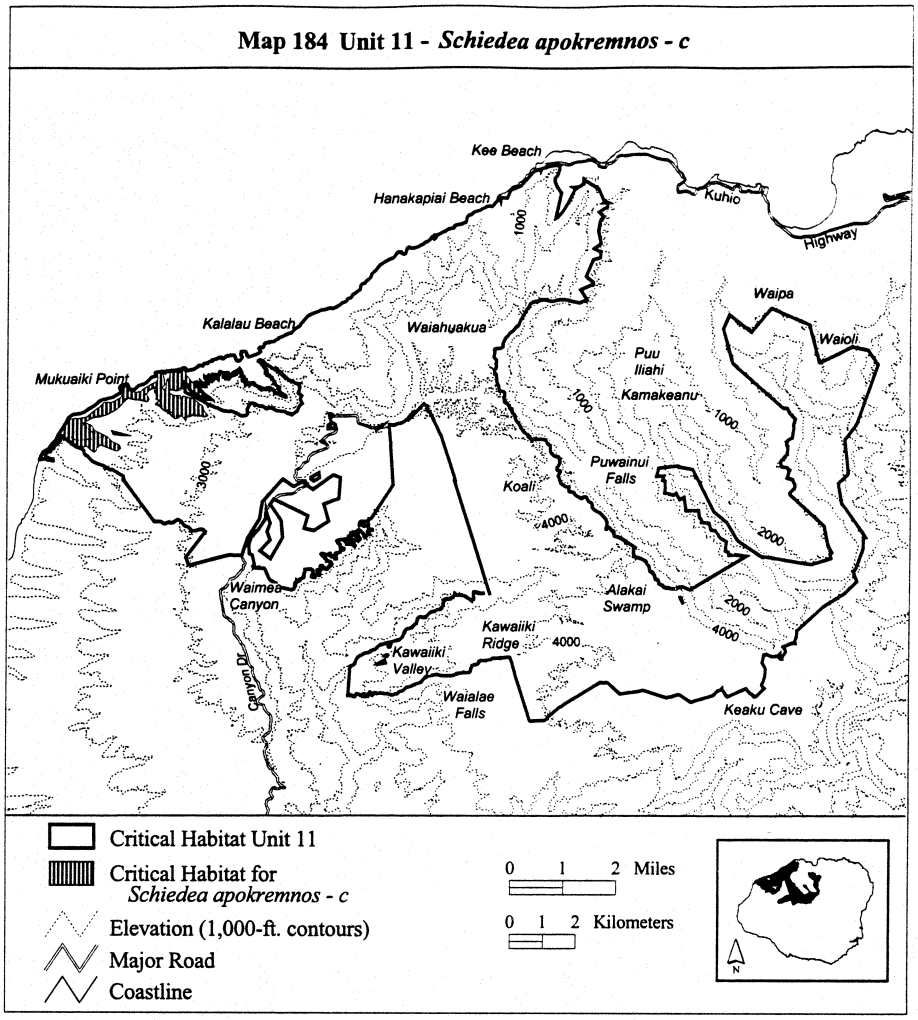


(cccviii) Kauai 11—*Schiedea apokremnos*—c (295 ha; 730 ac)

(A) Unit consists of the following 184 boundary points: coastline; 425961, 2449457; 425945, 2449431; 426025, 2449417; 426119, 2449388; 426206, 2449330; 426264, 2449199; 426496, 2449105; 426662, 2449004; 426800, 2448866; 427032, 2448743; 427068, 2448642; 426966, 2448569; 426829, 2448606; 426503, 2448743; 426445, 2448765; 426401, 2448707; 426336, 2448693; 426336, 2448642; 426322, 2448577; 426264, 2448540; 426170, 2448591; 426025, 2448729; 425974, 2448707; 425858, 2448700; 425786, 2448707; 425692, 2448779; 425525, 2448852; 425484, 2448870; 425466, 2448885; 425424, 2448946; 425344, 2449011; 425235, 2449076; 425217, 2449149; 425395, 2449439; 425453, 2449540; 425525, 2449547; 425721, 2449569; 425736, 2449562; 425833, 2449576; 426041, 2449624; 426274, 2449816; 426427, 2449928; 426555, 2450065; 426804, 2450065; 427045, 2450185; 427133, 2450313; 427085, 2450490; 427141, 2450530; 427165, 2450466; 427197, 2450546; 427245, 2450554; 427302, 2450425; 427534, 2450353; 427639, 2450393; 427671, 2450369; 427711, 2450441; 428008, 2450618; 428136, 2450682; 428184, 2450794; 428152, 2450947; 428257,

2450955; 428329, 2450987; 428353, 2450850; 428385, 2450730; 428385, 2450586; 428329, 2450514; 428377, 2450433; 428425, 2450506; 428425, 2450618; 428481, 2450770; 428538, 2450778; 428538, 2450858; 428570, 2450979; 428650, 2451011; 428714, 2450987; 428794, 2450987; 428834, 2450923; 428899, 2451059; 428955, 2451067; 429035, 2450987; 429051, 2450882; 429099, 2450834; 429139, 2450810; 429629, 2450177; 429625, 2450178; 429610, 2450183; 429571, 2450198; 429538, 2450212; 429503, 2450229; 429460, 2450248; 429433, 2450259; 429404, 2450268; 429391, 2450277; 429371, 2450289; 429356, 2450303; 429342, 2450315; 429321, 2450332; 429294, 2450343; 429269, 2450357; 429244, 2450363; 429232, 2450370; 429208, 2450389; 429205, 2450394; 429200, 2450405; 429193, 2450416; 429174, 2450426; 429162, 2450435; 429162, 2450436; 429161, 2450444; 429158, 2450455; 429152, 2450468; 429143, 2450481; 429132, 2450492; 429114, 2450527; 429113, 2450540; 429110, 2450557; 429103, 2450577; 429091, 2450594; 429077, 2450605; 429069, 2450606; 429067, 2450610; 429011, 2450630; 429009, 2450638; 429000, 2450655; 428990, 2450676; 428979, 2450690; 428972, 2450701; 428962, 2450707; 428952, 2450706; 428952, 2450704; 428964, 2450654; 428975, 2450624; 428947, 2450498; 428899, 2450449; 428770, 2450409; 428554, 2450449; 428546, 2450353; 428698, 2450273; 428875, 2450273; 428867, 2450169; 428955, 2450265; 429083, 2450233; 429268, 2450161; 429436, 2450048; 429541, 2449952; 429589, 2449800; 429717, 2449663; 429637, 2449615; 429461, 2449647; 429292, 2449648; 429260, 2449680; 429196, 2449631; 429075, 2449607; 429035, 2449487; 428907, 2449664; 428810, 2449583; 428714, 2449559; 428626, 2449632; 428546, 2449728; 428473, 2449760; 428289, 2449872; 428249, 2449944; 428104, 2449992; 428233, 2450113; 428120, 2450145; 428136, 2450265; 428104, 2450329; 428088, 2450361; 428088, 2450498; 427936, 2450425; 427855, 2450305; 427936, 2450145; 427879, 2450081; 427639, 2450113; 427462, 2450137; 427285, 2450177; 427165, 2450057; 427053, 2449952; 426940, 2449832; 426643, 2449672; 426435, 2449624; 426242, 2449584; 426170, 2449559; 425969, 2449455; coastline.

(B) NOTE: Map 184 follows:



(cccix) Kauai 11–*Schiedea attenuata*–a

(A) See paragraph (a)(1)(cxxxvi)(A) of this section for the textual description of this unit.

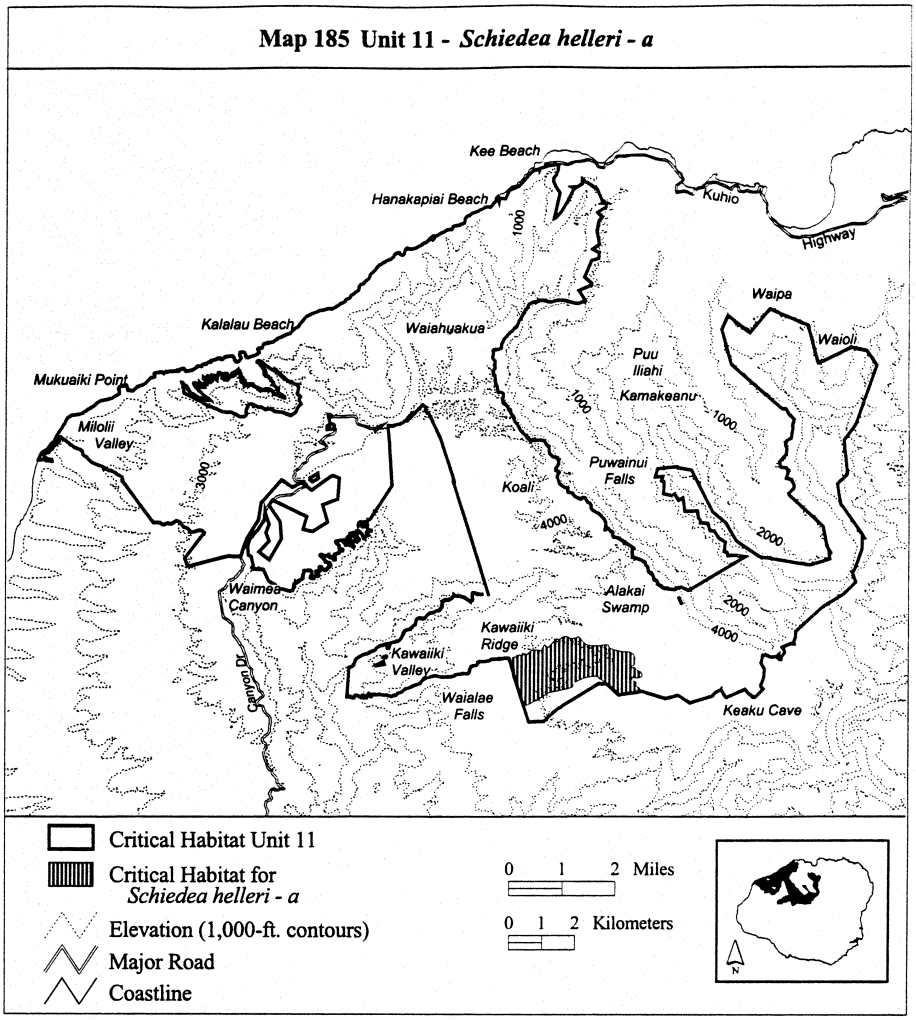
(B) See paragraph (a)(1)(cxxxvi)(B) of this section for the map of this unit.

(cccx) Kauai 11—*Schiedea helleri*—a (485 ha; 1,198 ac)

(A) Unit consists of the following 100 boundary points: Start at 439125, 2441965; 439082, 2442134; 439060, 2442238; 439038, 2442310; 439065, 2442364; 439202, 2442397; 439262, 2442430; 439514, 2442474; 439586, 2442550; 439651, 2442589; 439788, 2442589; 439876, 2442567; 439925, 2442561; 439969, 2442649; 440018, 2442737; 440035, 2442747; 440073, 2442698; 440073, 2442665; 440150, 2442682; 440248, 2442791; 440363, 2442906; 440407, 2442917; 440468, 2442895; 440577, 2442983; 440654, 2443005; 440774, 2442966; 440769, 2442939; 440862, 2442939; 440988, 2442955; 441059, 2442994; 441141, 2442906; 441207, 2442829; 441306, 2442758; 441415, 2442720; 441651, 2442720; 441810, 2442742; 441908, 2442758; 441968, 2442736; 441996, 2442659; 442111, 2442621; 442341, 442555; 442434, 2442539; 442598, 2442544; 442659, 2442522; 442659, 2442513; 442735,

2442462; 442779, 2442358; 442757, 2442249; 442757, 2442216; 442763, 2442183; 442752, 2442134; 442697, 442117; 442675, 2442073; 442708, 2442051; 442768, 2442068; 442796, 2442040; 442850, 2441964; 442933, 2441947; 442987, 2441865; 442987, 2441794; 442954, 2441761; 442883, 2441745; 442779, 441750; 442719, 2441772; 442681, 2441756; 442681, 2441717; 442730, 2441663; 442812, 2441624; 442823, 2441586; 442812, 2441526; 442856, 2441482; 442916, 2441455; 442954, 2441378; 442982, 441350; 442631, 2441285; 442287, 2441225; 441900, 2441576; 441842, 2441576; 441832, 2441635; 441804, 2441674; 441733, 2441718; 441667, 2441761; 441651, 2441800; 441519, 2441794; 441251, 441745; 440977, 2441625; 440917, 2441537; 440884, 2441477; 440725, 2441411; 440511, 2441367; 440265, 2441329; 440194, 2441307; 440018, 2441214; 439892, 2441132; 439761, 2441044; 439553, 440946; 439492, 2440924; 439405, 2440902; 439076, 2441910; 439120, 2441932; return to starting point.

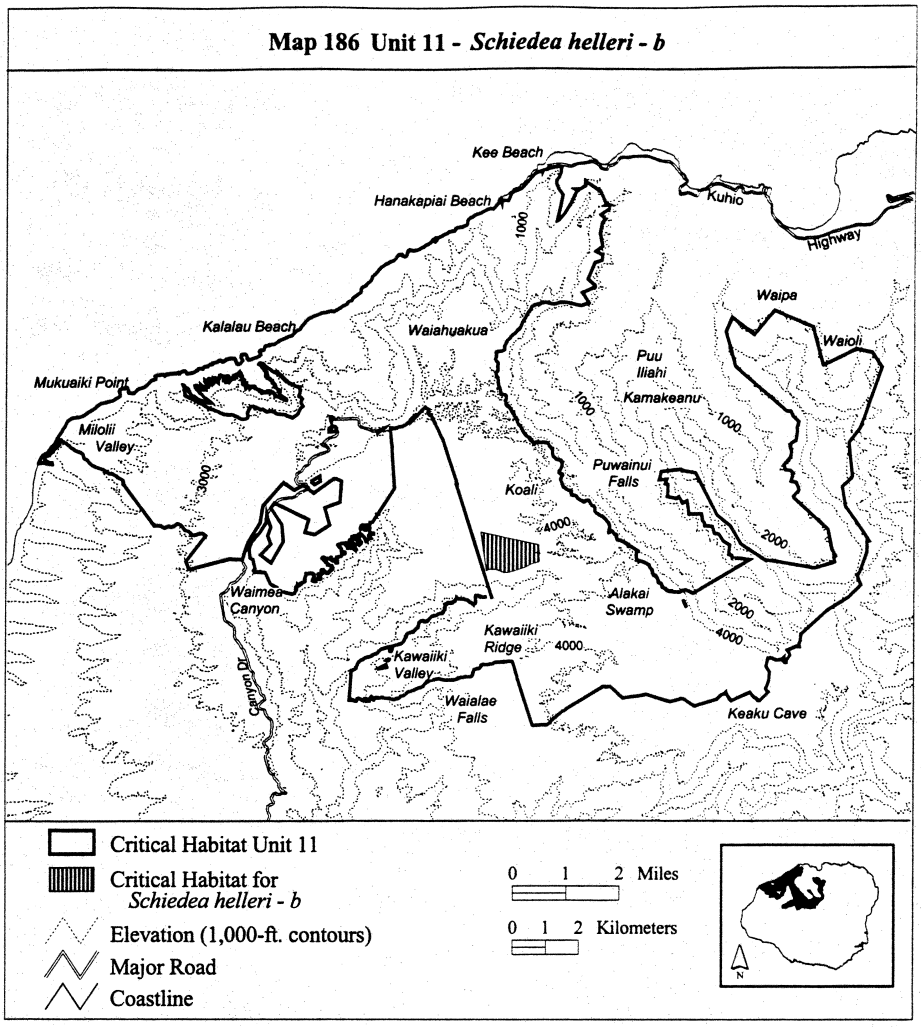
(B) NOTE: Map 185 follows:



(cccxi) Kauai 11—*Schiedea helleri*—b (154 ha; 381 ac)

(A) Unit consists of the following 13 boundary points: Start at 437970, 2446232; 439724, 2445859; 439747, 2445326; 439471, 2445259; 439401, 2445208; 439351, 2445174; 438983, 2445051; 438803, 2445014; 438673, 2445016; 438448, 2445099; 438225, 2445106; 438147, 2445051; 438140, 2445049; return to starting point.

(B) NOTE: Map 186 follows:

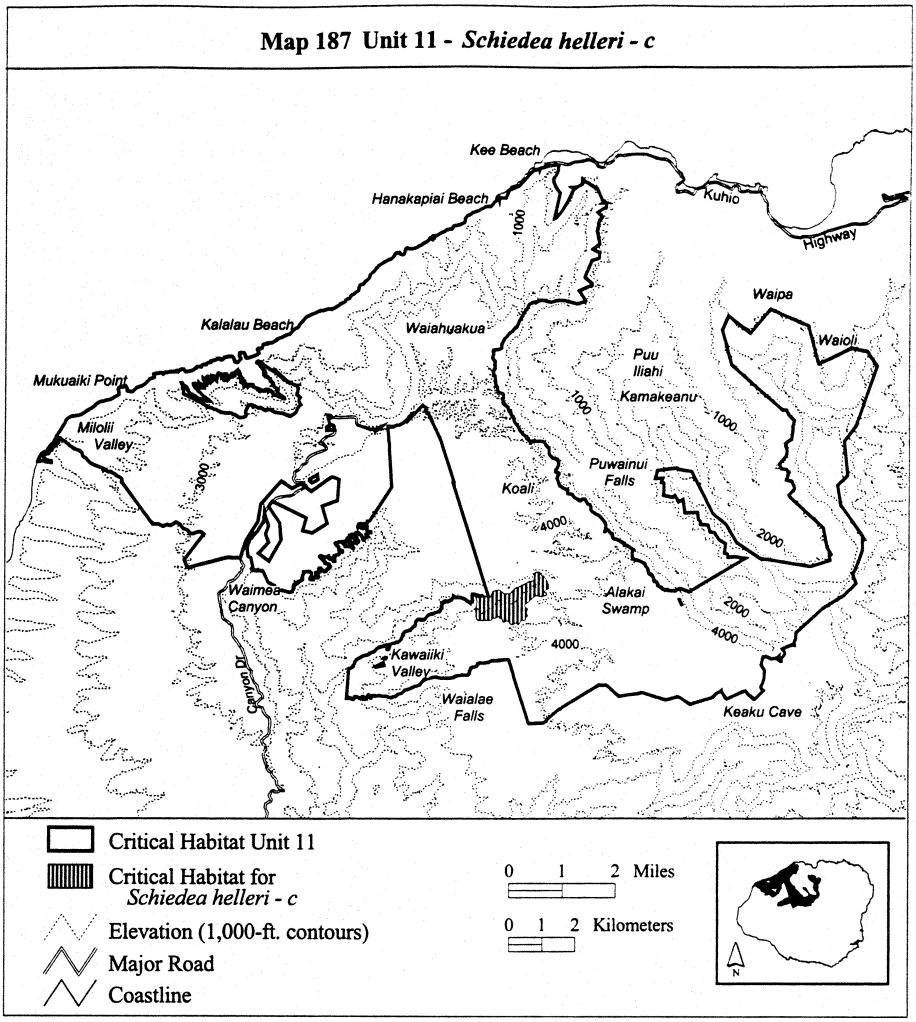


(cccxii) Kauai 11—*Schiedea helleri*—c (172 ha; 426 ac)

(A) Unit consists of the following 97 boundary points: Start at 437937, 2443749; 437924, 2443901; 437955, 2444013; 437973, 2444102; 437928, 2444227; 437902, 2444298; 437911, 2444303; 438000, 2444267; 438085, 2444267; 438156, 2444280; 438326, 2444213; 438348, 2444222; 438384, 2444240; 438455, 2444396; 438625, 2444450; 438696,

2444419; 438799, 2444334; 438946, 2444334; 439013, 2444356; 439080, 2444450; 439129, 2444494; 439250, 2444539; 439326, 2444579; 439402, 2444619; 439540, 2444686; 439678, 2444726; 439710, 2444829; 439705, 2444936; 439759, 2444985; 439857, 2445003; 439897, 2444931; 439919, 2444896; 440004, 2444860; 440058, 2444753; 440107, 2444668; 440138, 2444623; 440143, 2444574; 440143, 2444539; 440143, 2444476; 440071, 2444445; 440018, 2444405; 440018, 2444374; 440067, 2444351; 440080, 2444302; 440058, 2444275; 439928, 2444231; 439830, 2444271; 439750, 2444267; 439678, 2444222; 439607, 2444137; 439495, 2444057; 439428, 2444008; 439415, 2443959; 439464, 2443887; 439500, 2443878; 439518, 2443861; 439486, 2443843; 439486, 2443812; 439477, 2443771; 439464, 2443770; 439500, 2443655; 439473, 2443620; 439446, 2443588; 439446, 2443539; 439428, 2443513; 439312, 2443513; 439294, 2443508; 439268, 2443450; 439241, 2443401; 439210, 2443392; 439187, 2443441; 439125, 2443441; 439067, 2443397; 439035, 2443392; 438955, 2443455; 438946, 2443486; 438919, 2443508; 438852, 2443499; 438803, 2443468; 438754, 2443481; 438750, 2443504; 438745, 2443544; 438719, 2443575; 438669, 2443575; 438669, 2443624; 438620, 2443647; 438585, 2443638; 438544, 2443602; 438473, 2443598; 438442, 2443593; 438415, 2443535; 438308, 2443513; 438085, 2443522; 438009, 2443526; 437955, 2443571; 437933, 2443665; 437940, 2443749; return to starting point.

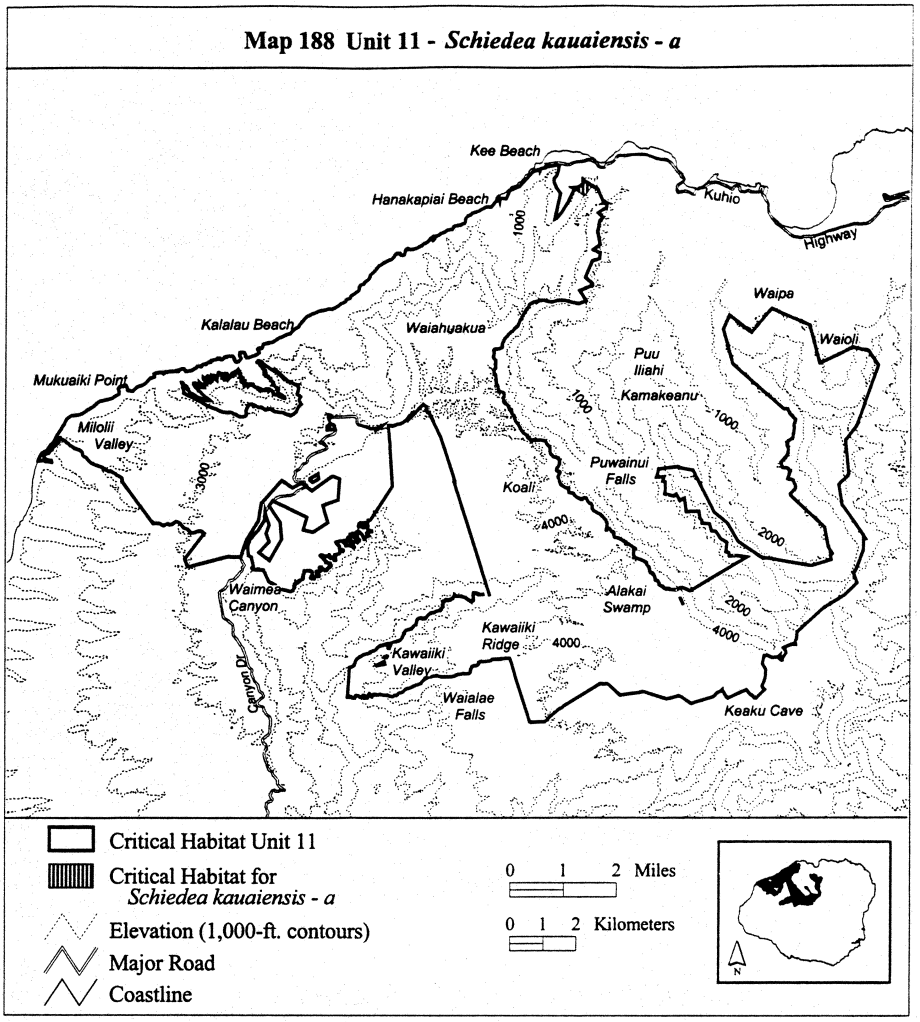
(B) NOTE: Map 187 follows:



(cccxiii) Kauai 11—*Schiedea kauaiensis*—a (12 ha; 29 ac)

(A) Unit consists of the following 7 boundary points: Start at 441158, 2456345; 440802, 2456603; 441024, 2456625; 441109, 2456674; 441096, 2456831; 441096, 2456842; 441384, 2456663; return to starting point.

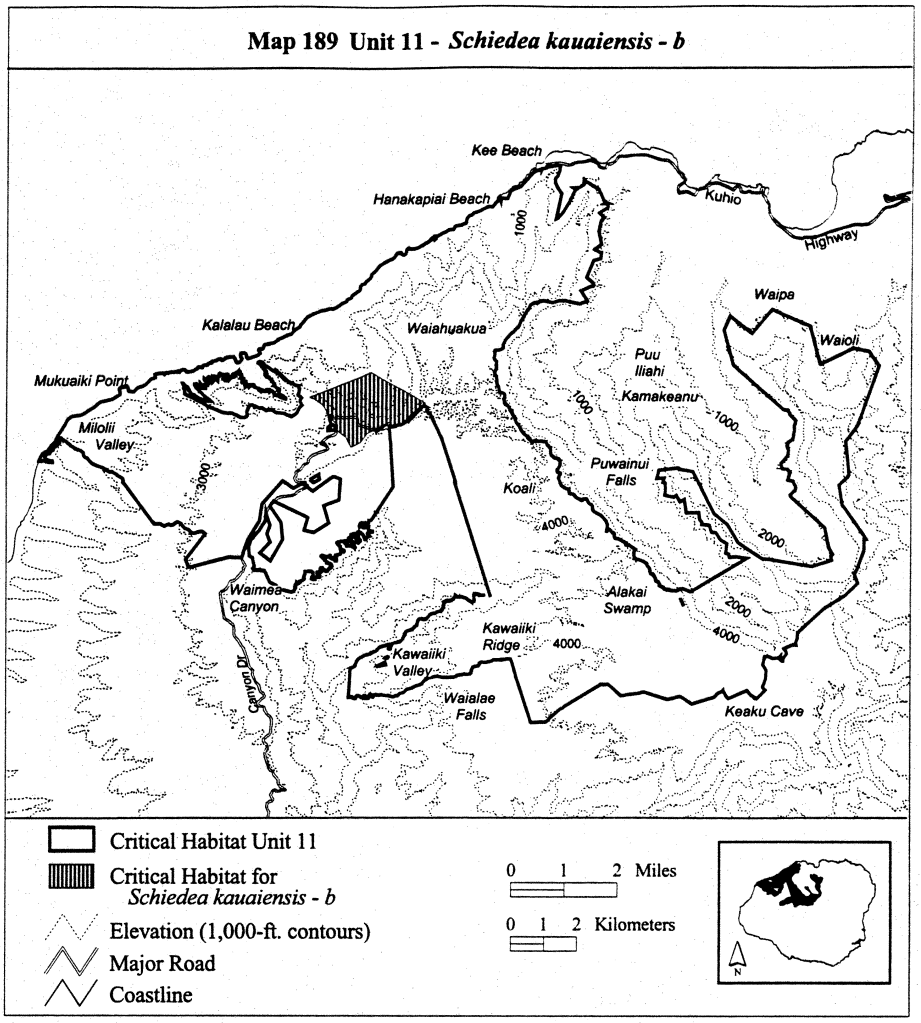
(B) NOTE: Map 188 follows:



(cccxiv) Kauai 11—*Schiedea kauaiensis*—b (394 ha; 974 ac)

(A) Unit consists of the following 47 boundary points: Start at 434833, 2449278; 434824, 2449275; 434569, 2449182; 434357, 2448899; 434343, 2448881; 434145, 2448778; 434076, 2448743; 434061, 2448769; 433970, 2448925; 433903, 2449067; 433746, 2449177; 433650, 2449258; 433659, 2449418; 433575, 2449511; 433473, 2449595; 433461, 2449623; 433480, 2449629; 433484, 2449703; 433460, 2449707; 433443, 2449707; 433442, 2449724; 433348, 2449773; 433304, 2449883; 433184, 2450065; 433006, 2450176; 432940, 2450230; 432816, 2450278; 433712, 2450629; 434347, 2450868; 434676, 2451014; 434924, 2450872; 435714, 2450443; 436323, 2450091; 436203, 2450009; 436203, 2450009; 436201, 2450007; 436194, 2450002; 435573, 2449422; 435549, 2449426; 435517, 2449423; 435501, 2449420; 435498, 2449418; 435177, 2449404; 435010, 2449343; 435011, 2449352; 434881, 2449297; 434833, 2449281; return to starting point.

(B) NOTE: Map 189 follows:

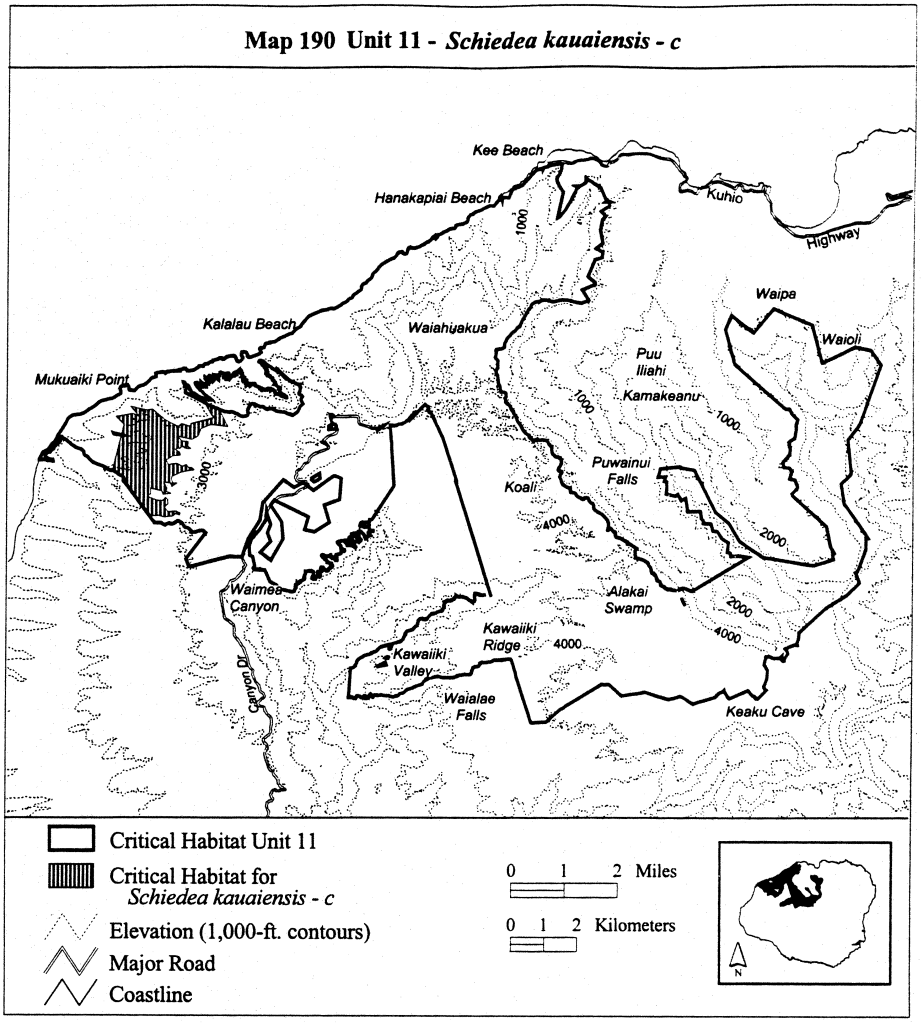


(cccxv) Kauai 11—*Schiedea kauaiensis*—c (510 ha; 1,260 ac)

(A) Unit consists of the following 110 boundary points: Start at 426811, 2448002; 427169, 2449411; 426941, 2449644; 427428, 2449744; 427602, 2449670; 427375, 2449950; 427862, 2449850; 428025, 2449872; 428417, 2449538; 428792, 2449348; 428919, 2449417; 429157, 2449343; 429189, 2449432; 429866, 2449617; 429586, 2450082; 429598, 2450077; 429717, 2449996; 429751, 2449978; 429791, 2449963; 429830, 2449956; 429860, 2449947; 429944, 2449910; 429968, 2449904; 430016, 2449884; 430027, 2449878; 430300, 2449348; 429803, 2449411; 429501, 2449279; 429411, 2449047; 429231, 2448941; 428781, 2449052; 428877, 2448948; 428940, 2448908; 429100, 2448884; 429100, 2448820; 429084, 2448749; 429180, 2448669; 429044, 2448677; 428925, 2448749; 428861, 2448677; 428805, 2448685; 428717, 2448637; 428837, 2448565; 428877, 2448470; 428725, 2448462; 428653, 2448462; 428454, 2448318; 428502, 2448174; 428597, 2448198; 428789, 2448214; 428932, 2448119; 429060, 2448182; 429124, 2448087; 429204, 2448095; 429292, 2448023; 429156,

2448007; 428901, 2447951; 428725, 2447863; 428613, 2447816; 428597, 2447736; 428661, 2447616; 428773, 2447616; 428621, 2447520; 428581, 2447624; 428374, 2447648; 428478, 2447465; 428446, 2447369; 428589, 2447313; 428350, 2447281; 428310, 2447393; 427967, 2447465; 427975, 2447369; 427967, 2447289; 427895, 2447289; 427951, 2447186; 428198, 2447098; 428358, 2447098; 428438, 2447193; 428510, 2447122; 428494, 2447098; 428510, 2446994; 428398, 2446906; 428502, 2446755; 428733, 2446787; 428877, 2446723; 428861, 2446667; 428741, 2446707; 428653, 2446635; 428382, 2446595; 428246, 2446651; 427959, 2446635; 427952, 2446615; 427185, 2447661; 427161, 2447669; 427157, 2447676; 427157, 2447711; 427175, 2447754; 427176, 2447775; 427171, 2447800; 427160, 2447815; 427124, 2447837; 427084, 2447847; 427039, 2447867; 426997, 2447892; 426981, 2447902; 426958, 2447923; 426944, 2447941; 426907, 2447965; 426847, 2447992; 426819, 2447998; return to starting point.

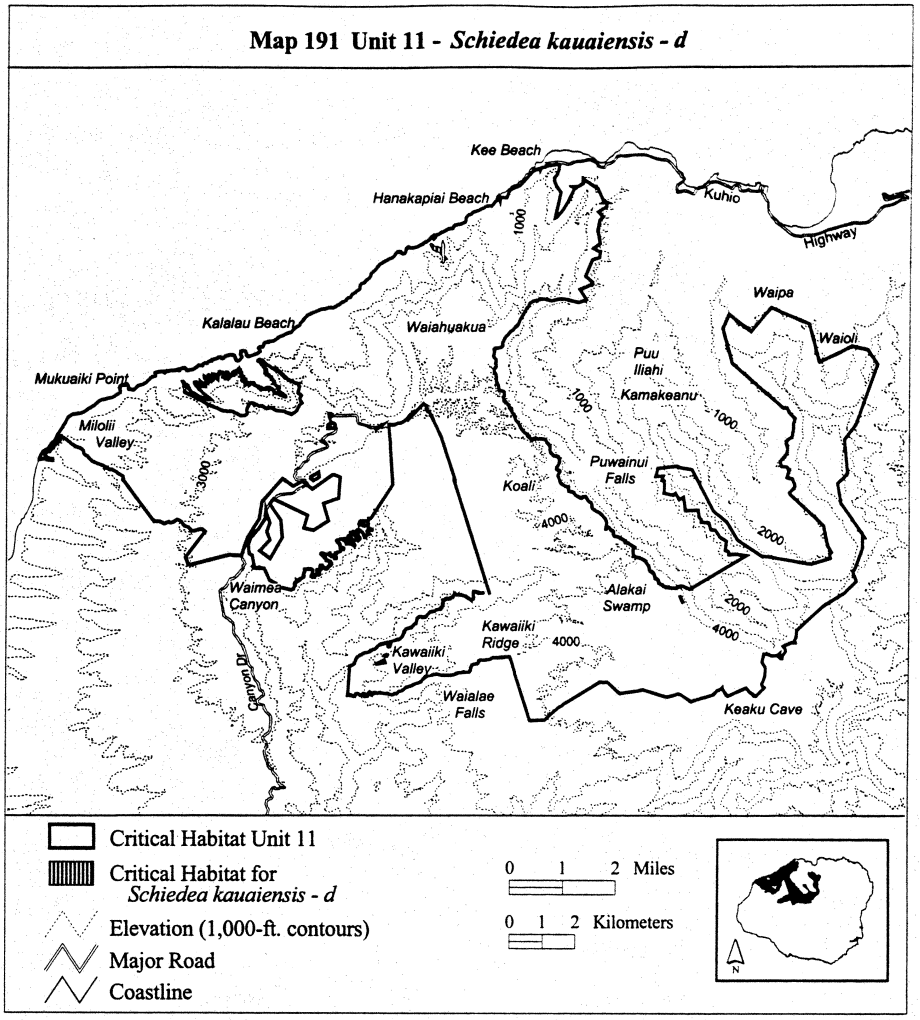
(B) NOTE: Map 190 follows:



(cccxvi) Kauai 11—*Schiedea kauaiensis*—d (11 ha; 28 ac)

(A) Unit consists of the following 39 boundary points: Start at 436481, 2454892; 436554, 2454840; 436578, 2454805; 436650, 2454788; 436692, 2454795; 436761, 2454736; 436782, 2454761; 436806, 2454757; 436823, 2454836; 436816, 2454895; 436834, 2454968; 436858, 2454971; 436858, 2454912; 436906, 2454847; 436899, 2454633; 436896, 2454554; 436889, 2454509; 436927, 2454474; 437006, 2454412; 437006, 2454395; 436920, 2454384; 436896, 2454298; 436875, 2454271; 436854, 2454271; 436840, 2454322; 436834, 2454426; 436834, 2454485; 436809, 2454523; 436764, 2454567; 436733, 2454616; 436685, 2454619; 436654, 2454619; 436619, 2454650; 436581, 2454681; 436530, 2454688; 436505, 2454737; 436485, 2454781; 436457, 2454833; 436457, 2454861; return to starting point.

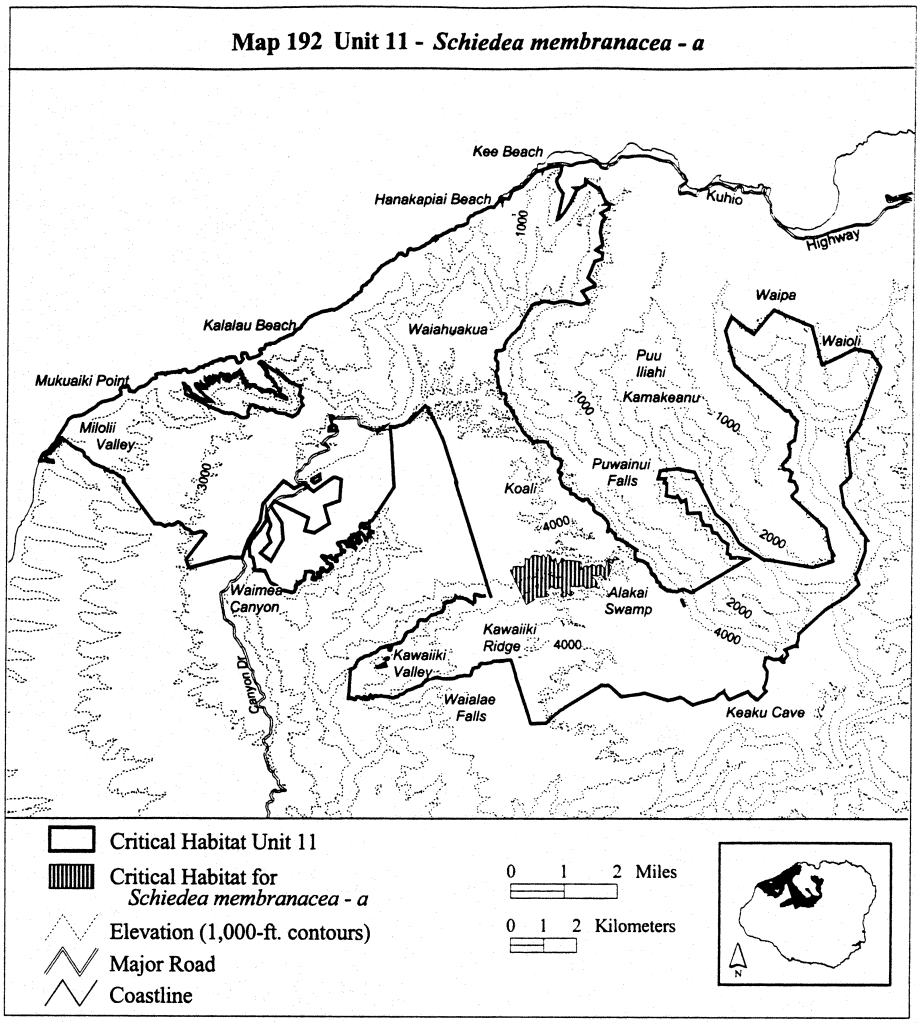
(B) NOTE: Map 191 follows:



(cccxvii) Kauai 11—*Schiedea membranacea*—a (251 ha; 620 ac)

(A) Unit consists of the following 85 boundary points: Start at 439181, 2445148; 439301, 2445148; 439351, 2445232; 439351, 2445395; 439471, 2445366; 439563, 2445479; 439711, 2445479; 439817, 2445437; 439895, 2445501; 439951, 2445409; 440008, 2445430; 440022, 2445515; 440128, 2445458; 440149, 2445310; 440269, 2445402; 440312, 2445218; 440404, 2445267; 440439, 2445409; 440517, 2445373; 440545, 2445317; 440623, 2445352; 441025, 2445302; 441054, 2445211; 441018, 2445055; 441145, 2445161; 441216, 2445175; 441280, 2445140; 441372, 2445225; 441527, 2445133; 441527, 2445196; 441647, 2445210; 441746, 2445083; 441796, 2445203; 441788, 2445309; 441894, 2445387; 441979, 2445345; 442057, 2445465; 442198, 2445373; 442057, 2445359; 441993, 2445246; 441894, 2445295; 441866, 2445253; 441951, 2445182; 441951, 2445104; 441880, 2444878; 441803, 2444780; 441739, 2444787; 441640, 2444914; 441548, 2444857; 441400, 2444893; 441357, 2444857; 441485, 2444751; 441612, 2444547; 441591, 2444490; 441442, 2444554; 441343, 2444504; 441188, 2444490; 441117, 2444582; 440969, 2444533; 440714, 2444554; 440714, 2444434; 440835, 2444363; 440736, 2444264; 440594, 2444377; 440594, 2444250; 440432, 2444243; 440432, 2444321; 440531, 2444392; 440446, 2444406; 440446, 2444519; 440283, 2444483; 440142, 2444554; 440057, 2444420; 439980, 2444378; 440078, 2444300; 440022, 2444243; 439874, 2444229; 439704, 2444236; 439640, 2444145; 439492, 2444074; 439400, 2444003; 438884, 2445049; 438983, 2445042; 438983, 2445141; 439139, 2445169; return to starting point.

(B) NOTE: Map 192 follows:

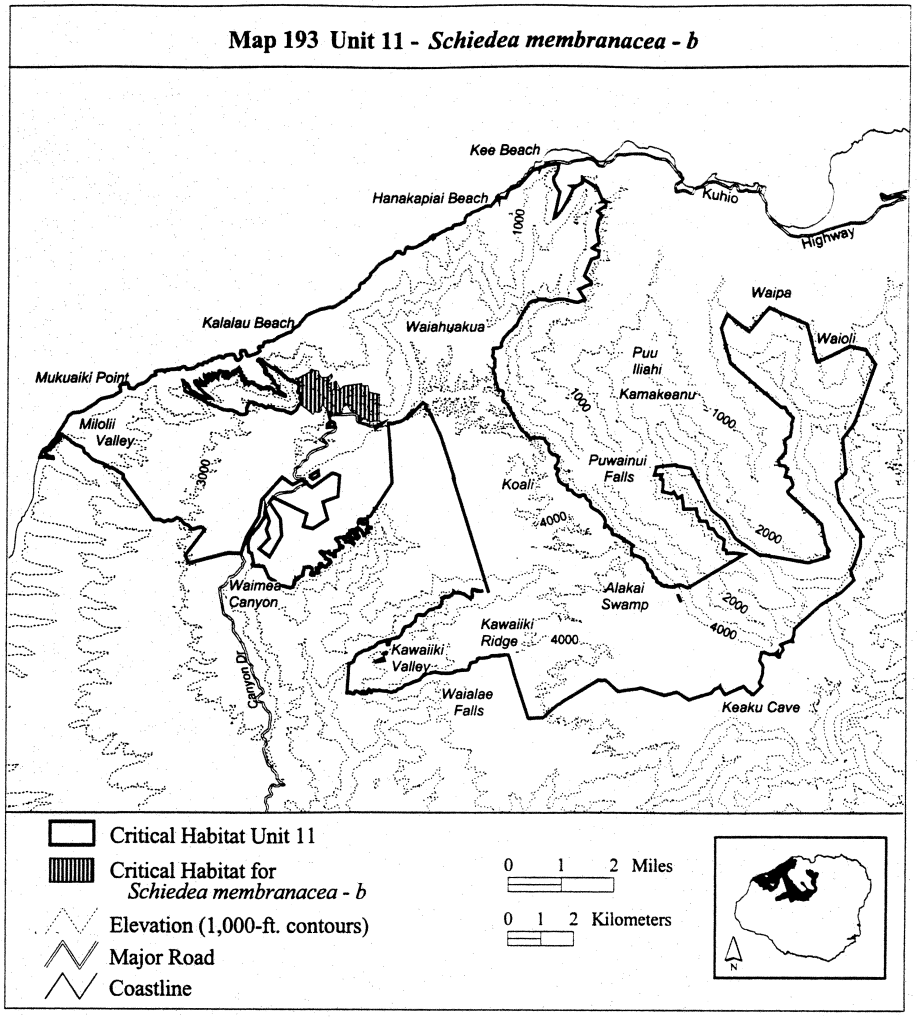


(cccxviii) Kauai 11—*Schiedea membranacea*—b (234 ha; 579 ac)

(A) Unit consists of the following 73 boundary points: Start at 432751, 2449809; 432525, 2449982; 432579, 2450036; 432551, 2450083; 432523, 2450130; 432523, 2450182; 432565, 2450262; 432523, 2450304; 432475, 2450313; 432452, 2450337; 432461, 2450375; 432480, 2450426; 432490, 2450478; 432501, 2450529; 432494, 2450543; 432477, 2450580; 432468, 2450593; 432464, 2450611; 432465, 2450623; 432450, 2450624; 432408, 2450635; 432380, 2450644; 432335, 2450666; 432306, 2450682; 432952, 2451018; 433092, 2450986; 433100, 2450920; 433191, 2450796; 433323, 2450788; 433380, 2450813; 433471, 2450895; 433528, 2450805; 433397, 2450640; 433372, 2450550; 433495, 2450640; 433479, 2450443; 433495, 2450369; 433569, 2450435; 433561, 2450632; 433635, 2450681; 433685, 2450566; 433750, 2450410; 433849, 2450517; 434162, 2450566; 434401, 2450615; 434425, 2450525; 434606, 2450525; 434639, 2450327; 434952, 2450270; 434952, 2449497; 434968, 2449447; 434812, 2449447; 434688, 2449421; 434573, 2449489; 434461, 2449513; 434354,

2449390; 434322, 2449449; 434310, 2449628; 434251, 2449664; 434076, 2449767; 433964, 2449950; 433873, 2449910; 433808, 2449826; 433817, 2449668; 433535, 2449656; 433372, 2449777; 433285, 2449871; 433199, 2449958; 433166, 2449867; 433183, 2449769; 433094, 2449708; 432985, 2449744; 432952, 2449654; return to starting point.

(B) NOTE: Map 193 follows:

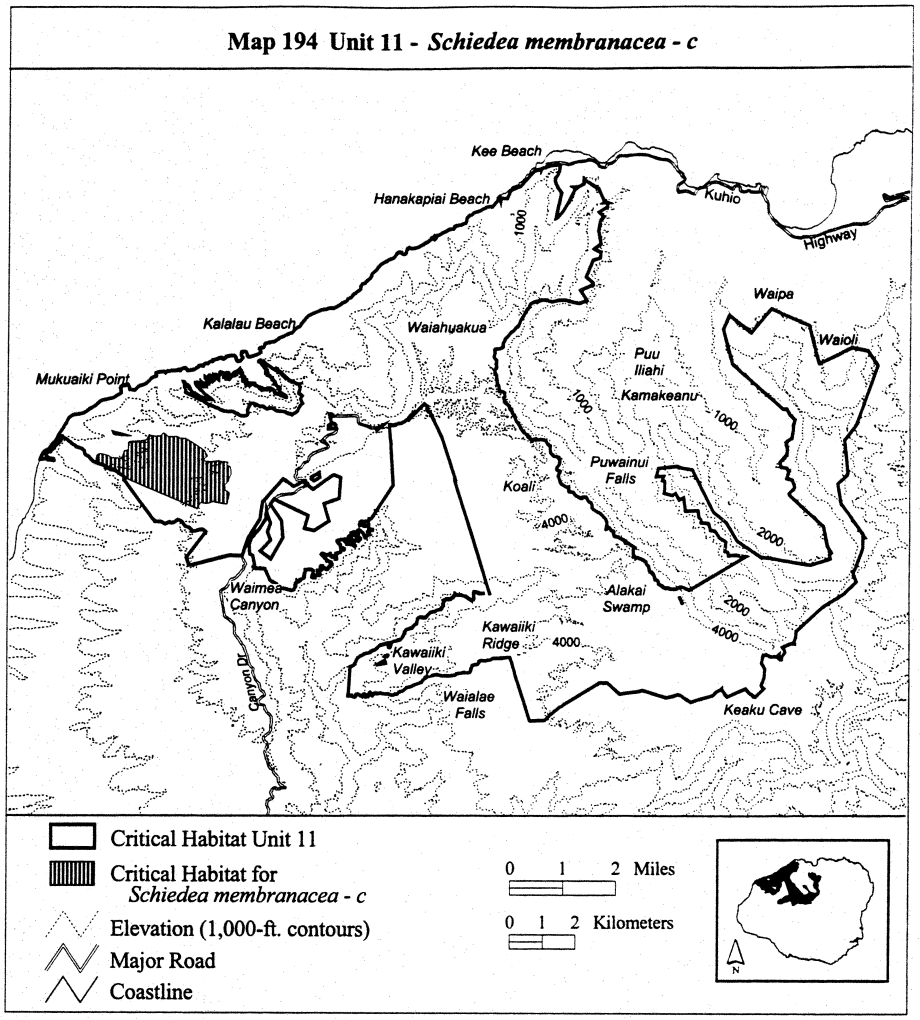


(cccxix) Kauai 11—*Schiedea membranacea*—c (527 ha; 1,303 ac)

(A) Unit consists of the following 95 boundary points: Start at 429500, 2447004; 429408, 2446809; 427175, 2447761; 427176, 2447775; 427171, 2447800; 427160, 2447815; 427124, 2447837; 427084, 2447847; 427039, 2447867; 427014, 2447882; 427019, 2447905; 426996, 2447928; 426906, 2448039; 426874, 2448050; 426752, 2448039; 426667, 2448060; 426648, 2448068; 426613, 2448093; 426561, 2448116; 426560, 2448116; 426491, 2448177; 426375, 2448225; 426316, 2448252; 426316, 2448342; 426321, 2448427; 426380,

2448475; 426438, 2448496; 426550, 2448475; 426699, 2448421; 426784, 2448374; 427049, 2448347; 427102, 2448379; 427166, 2448575; 427170, 2448577; 427171, 2448582; 427181, 2448581; 427241, 2448602; 427288, 2448618; 427294, 2448767; 427288, 2448830; 427368, 2448873; 427655, 2448889; 427830, 2448915; 427873, 2448968; 427899, 2449027; 427979, 2449048; 428059, 2449037; 428106, 2449027; 428282, 2449032; 428335, 2449117; 428377, 2449133; 428415, 2449101; 428478, 2449037; 428537, 2449006; 428670, 2449006; 428755, 2449021; 428824, 2448995; 428845, 2448968; 428999, 2448968; 429063, 2448942; 429350, 2448766; 429514, 2448660; 429642, 2448549; 429690, 2448432; 429658, 2448384; 429589, 2448336; 429605, 2448283; 429769, 2448246; 429844, 2448257; 430024, 2448283; 430088, 2448283; 430120, 2448235; 430152, 2448235; 430184, 2448257; 430322, 2448225; 430295, 2448166; 430290, 2448140; 430391, 2448092; 430412, 2447906; 430412, 2447848; 430348, 2447747; 430322, 2447657; 430258, 2447588; 430232, 2447529; 430237, 2447396; 430354, 2447317; 430348, 2447221; 430295, 2446966; 430242, 2446961; 430093, 2446998; 429977, 2447014; 429881, 2447041; 429764, 2446993; 429647, 2446982; 429514, 2447003; return to starting point.

(B) NOTE: Map 194 follows:

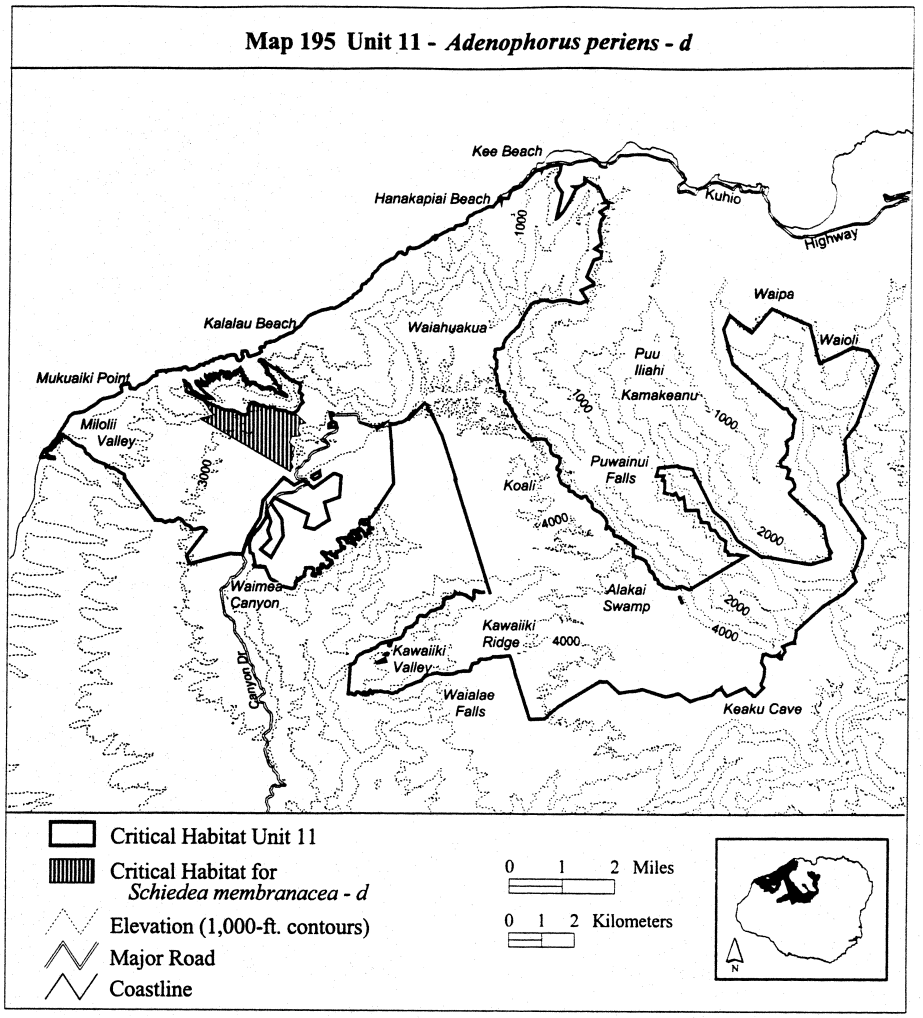


(cccxx) Kauai 11—*Schiedea membranacea*—d (327 ha; 809 ac)

(A) Unit consists of the following 78 boundary points: Start at 430406, 2449796; 430471, 2449787; 430527, 2449754; 430583, 2449736; 430635, 2449693; 430696, 2449656; 430720, 2449646; 430819, 2449646; 430899, 2449674; 430918, 2449717; 430904, 2449834; 430927, 2449905; 430955, 2449985; 430993, 2450032; 431068, 2450041; 431153, 2450008; 431238, 2449970; 431285, 2449942; 431360, 2449956; 431449, 2449886; 431497, 2449867; 431605, 2449895; 431657, 2449890; 431699, 2449876; 431765, 2449810; 431864, 2449801; 431981, 2449792; 432047, 2449787; 432113, 2449740; 432217, 2449712; 432259, 2449679; 432313, 2449721; 432664, 2449391; 432475, 2449358; 432426, 2449177; 432475, 2449062; 432514, 2449029; 432472, 2448986; 432450, 2448988; 432236, 2448980; 432162, 2448799; 432230, 2448747; 432226, 2448740; 432334, 2448663; 432269, 2448470; 432310, 2448387; 432261, 2448338; 432261, 2448264; 432220, 2448239; 432228, 2448165; 432286, 2448050; 432228, 2447976; 432212, 2447910; 429447, 2449531; 429866, 2449654; 429710,

2449811; 429644, 2449942; 429480, 2450139; 429489, 2450138; 429576, 2450092; 429717, 2449996; 429751, 2449978; 429791, 2449963; 429830, 2449956; 429860, 2449947; 429944, 2449910; 429968, 2449904; 430016, 2449884; 430068, 2449856; 430172, 2449815; 430207, 2449804; 430261, 2449795; 430317, 2449781; 430340, 2449778; 430365, 2449787; 430392, 2449798; 430408, 2449802; 430410, 2449802; return to starting point.

(B) NOTE: Map 195 follows:

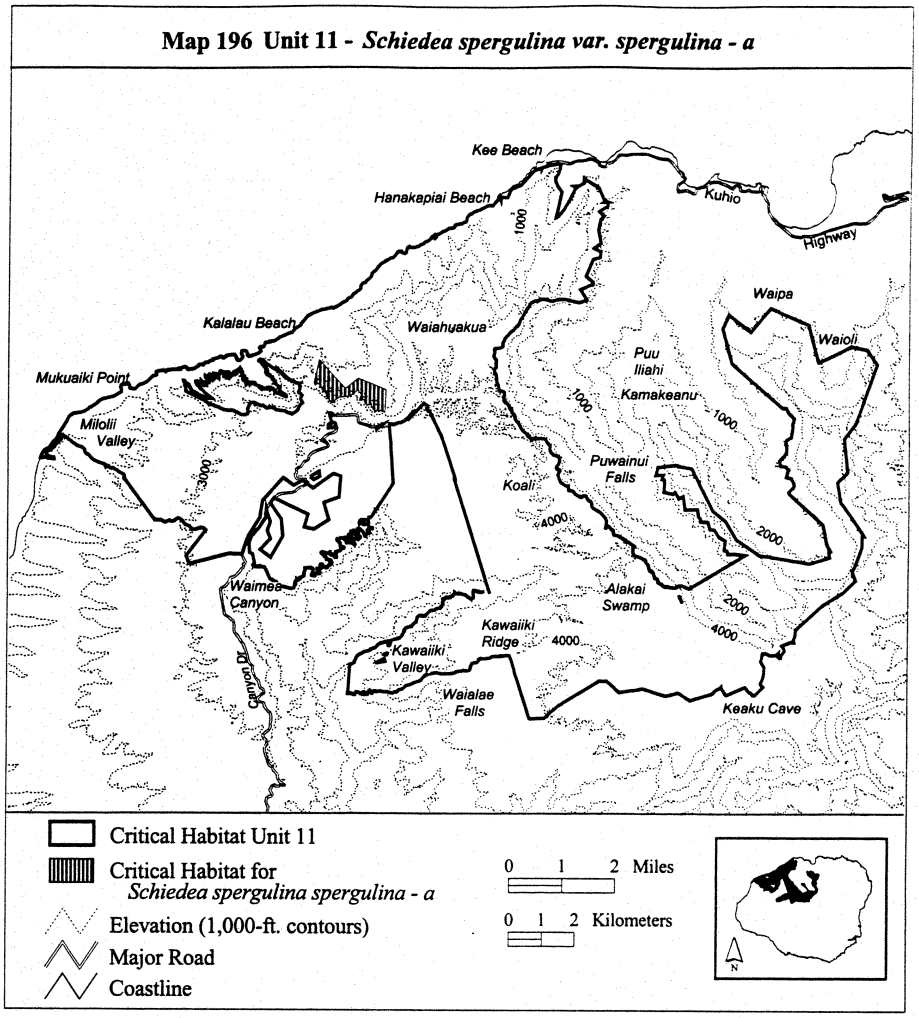


(cccxxi) Kauai 11—*Schiedea spergulina* var. *spergulina*—a (131 ha; 323 ac)

(A) Unit consists of the following 48 boundary points: Start at 432924, 2450644; 433080, 2451343; 433887, 2450474; 434285, 2450789; 435124, 2450447; 435088, 2449734; 434974, 2449796; 434896, 2449749; 434891, 2449796; 434850, 2449796; 434777, 2449718; 434777, 2449827; 434731, 2449827; 434725, 2449889; 434663, 2449889; 434684, 2449998; 434534, 2449951; 434534, 2450013; 434524, 2450039; 434482, 2450018; 434472,

2450096; 434441, 2450132; 434368, 2450101; 434317, 2450106; 434379, 2450323; 434291, 2450354; 434296, 2450396; 434260, 2450432; 434027, 2450241; 433706, 2450194; 433556, 2450112; 433571, 2450029; 433494, 2450050; 433411, 2450070; 433302, 2450251; 433338, 2450303; 433276, 2450298; 433266, 2450344; 433312, 2450365; 433307, 2450391; 433178, 2450355; 433240, 2450463; 433162, 2450448; 433183, 2450500; 433080, 2450489; 433111, 2450593; 433028, 2450629; 432955, 2450557; return to starting point.

(B) NOTE: Map 196 follows:



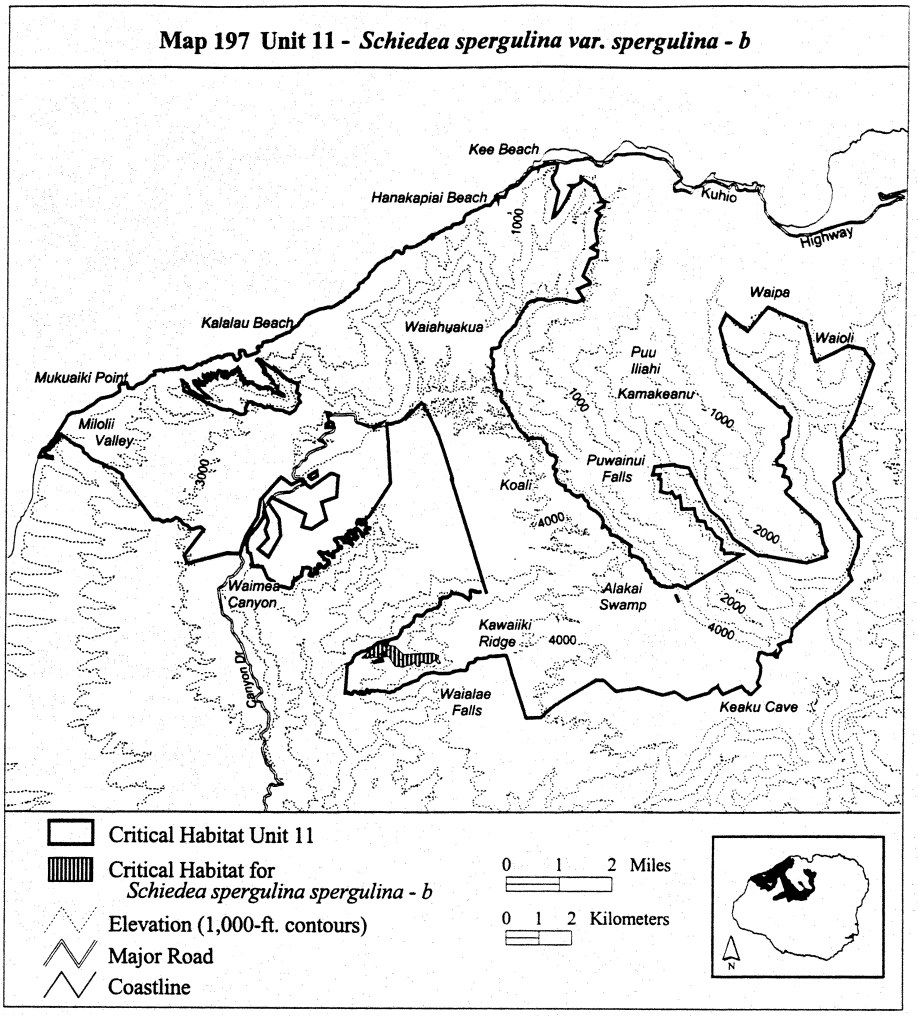
(cccxxii) Kauai 11—*Schiedea spergulina* var. *spergulina*—b (78 ha; 191 ac)

(A) Unit consists of the following 27 boundary points: Start at 435290, 2442650; 435520, 2442618; 435796, 2442364; 436701, 2442400; 436882, 2442335; 436853,

2442241; 436940, 2442103; 436868, 2442082; 436752, 2442198; 436636, 2442089; 436506, 2442082; 436332, 2442154; 436303, 2441988; 436223, 2441988; 436179, 2442031; 436122, 2442125; 436064, 2442053; 435911, 2442024; 435781, 2441966; 435658, 2441995; 435542, 2441995; 435346, 2442306; 434520, 2442249; 435006, 2442690; 435235, 2442658; 435237, 2442643; 435284, 2442631; return to starting point.

(B) Excluding 1 area bounded by the following 4 points (0 ha, 1 ac): Start at 435151, 2442425; 435215, 2442393; 435195, 2442353; 435128, 2442379; return to starting point.

(C) NOTE: Map 197 follows:



(cccxxiii) Kauai 11—*Schiedea stellarioides*—a (1,260 ha; 3,112 ac)

(A) Unit consists of the following 568 boundary points: Start at 435336, 2442801; 435344, 2442802; 435367, 2442807; 435391, 2442814; 435415, 2442819; 435435, 2442826; 435454, 2442831; 435476, 2442838; 435496, 2442844; 435516, 2442850; 435530,

2442853; 435534, 2442855; 435543, 2442858; 435556, 2442862; 435571, 2442867; 435585, 2442876; 435598, 2442885; 435608, 2442891; 435619, 2442899; 435627, 2442904; 435642, 2442920; 435658, 2442932; 435668, 2442948; 435673, 2442959; 435681, 2442977; 435688, 2442995; 435693, 2443006; 435698, 2443024; 435704, 2443036; 435708, 2443047; 435715, 2443064; 435722, 2443078; 435725, 2443086; 435729, 2443093; 435735, 2443103; 435738, 2443112; 435743, 2443127; 435749, 2443138; 435753, 2443149; 435757, 2443155; 435766, 2443169; 435778, 2443179; 435790, 2443186; 435804, 2443188; 435821, 2443194; 435842, 2443199; 435861, 2443202; 435874, 2443204; 435889, 2443208; 435904, 2443211; 435933, 2443223; 435942, 2443232; 435949, 2443246; 435958, 2443255; 435969, 2443263; 435979, 2443271; 435993, 2443281; 436010, 2443297; 436032, 2443316; 436048, 2443332; 436064, 2443343; 436080, 2443358; 436089, 2443375; 436095, 2443390; 436100, 2443403; 436107, 2443421; 436113, 2443456; 436118, 2443477; 436123, 2443502; 436134, 2443520; 436146, 2443534; 436160, 2443543; 436175, 2443554; 436190, 2443560; 436213, 2443563; 436227, 2443563; 436240, 2443562; 436254, 2443557; 436265, 2443552; 436274, 2443547; 436287, 2443540; 436300, 2443537; 436315, 2443532; 436328, 2443529; 436337, 2443528; 436348, 2443531; 436357, 2443536; 436369, 2443546; 436380, 2443558; 436392, 2443572; 436403, 2443585; 436421, 2443611; 436438, 2443631; 436460, 2443655; 436478, 2443676; 436497, 2443688; 436518, 2443696; 436534, 2443700; 436558, 2443707; 436576, 2443711; 436597, 2443714; 436611, 2443716; 436630, 2443718; 436644, 2443720; 436655, 2443724; 436666, 2443731; 436678, 2443742; 436697, 2443756; 436708, 2443763; 436726, 2443769; 436745, 2443772; 436758, 2443775; 436771, 2443776; 436788, 2443776; 436799, 2443778; 436808, 2443781; 436818, 2443785; 436823, 2443786; 436829, 2443790; 436837, 2443797; 436841, 2443801; 436845, 2443807; 436852, 2443819; 436861, 2443831; 436870, 2443847; 436882, 2443863; 436890, 2443877; 436900, 2443900; 436911, 2443923; 436914, 2443936; 436914, 2443948; 436913, 2443962; 436910, 2443981; 436908, 2443995; 436908, 2444013; 436911, 2444027; 436918, 2444040; 436926, 2444047; 436933, 2444055; 436942, 2444065; 436951, 2444073; 436961, 2444084; 436969, 2444094; 436975, 2444098; 436983, 2444102; 436994, 2444107; 437009, 2444108; 437026, 2444105; 437049, 2444100; 437067, 2444092; 437076, 2444089; 437106, 2444090; 437119, 2444096; 437128, 2444104; 437133, 2444112; 437137, 2444122; 437144, 2444130; 437156, 2444135; 437169, 2444141; 437183, 2444150; 437191, 2444154; 437202, 2444165; 437212, 2444177; 437228, 2444198; 437239, 2444213; 437245, 2444227; 437254, 2444239; 437263, 2444246; 437278, 2444240; 437294, 2444234; 437310, 2444225; 437332, 2444217; 437351, 2444217; 437370, 2444223; 437391, 2444223; 437412, 2444226; 437428, 2444226; 437445, 2444223; 437462, 2444219; 437482, 2444211; 437497, 2444205; 437541, 2444190; 437563, 2444183; 437578, 2444179; 437593, 2444170; 437610, 2444160; 437624, 2444146; 437636, 2444132; 437651, 2444119; 437671, 2444112; 437691, 2444102; 437703, 2444093; 437722, 2444082; 437732, 2444069; 437749, 2444061; 437758, 2444058; 437768, 2444060; 437780, 2444066; 437810, 2444080; 437821, 2444088; 437831, 2444100; 437833, 2444111; 437835, 2444126; 437833, 2444139; 437827, 2444163; 437822, 2444185; 437820, 2444206; 437818, 2444236; 437824, 2444265; 437828, 2444292; 437836, 2444314; 437843, 2444322; 437854, 2444327; 437871, 2444328; 437887, 2444323; 437909, 2444314; 437933, 2444302; 437960, 2444289; 437984, 2444274; 438007, 2444260; 438028, 2444258; 438048, 2444258; 438072, 2444260; 438087, 2444266; 438109, 2444271; 438133, 2444273; 438164, 2444270; 438196, 2444263; 438335, 2444214; 438315, 2444274; 438323, 2444270; 438355, 2444421; 438442, 2444561; 438420, 2444670; 438420, 2444745; 438528, 2444864; 438680, 2444972; 438907, 2445004; 438907, 2445080; 438993, 2445145; 439156, 2445145; 439296, 2445177; 439339, 2445253; 439545, 2445491; 439783, 2445458; 440107, 2445318; 440150, 2445285; 440334, 2445307; 440410, 2445263; 440431, 2445231; 440594, 2445253; 440691, 2445339; 440756, 2445371; 440907, 2445317; 441048, 2445252; 441113, 2445242; 441221, 2445274; 441361, 2445306; 441513, 2445339; 441707, 2445328; 441848, 2445198; 442075, 2445112; 442053, 2445025; 441988, 2444906; 441891, 2444852; 441740, 2444744; 441664, 2444701; 441697, 2444582; 441740, 2444463; 441675, 2444420; 441513, 2444420; 441069, 2444453; 440626, 2444442; 440626, 2444356; 440723, 2444291; 440896, 2444193; 440886, 2444183; 440723, 2444204; 440410, 2444280; 440237, 2444258; 440161, 2444248; 440075, 2444183; 440075, 2444064; 440183, 2443988; 440280, 2443988; 440323, 2443902; 440356, 2443826; 440453, 2443772; 440486, 2443696; 440464, 2443653; 440291, 2443567; 440096, 2443577; 439934, 2443459; 439718, 2443415; 439523, 2443340; 439274, 2443340; 438961, 2443405; 438745, 2443480; 438582, 2443524; 438377, 2443491; 438269, 2443372; 438334, 2443189; 438485, 2443070; 438615, 2443081; 438669, 2443048; 438669,

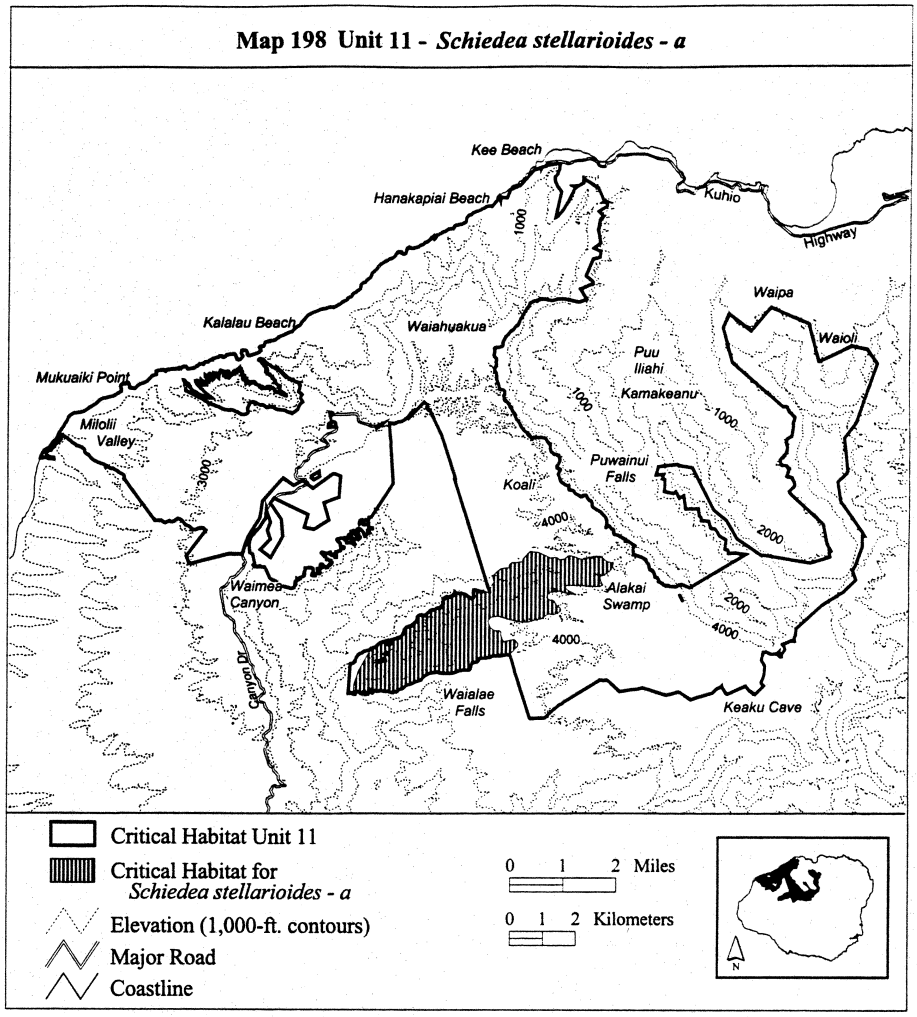
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(B) Excluding 2 areas:

(*1*) Bounded by the following 3 points (1 ha; 3 ac): Start at 435132, 2442248; 435160, 2442164; 434848, 2442098; return to starting point; and

(*2*) Bounded by the following 4 points (0 ha; 1 ac): Start at 435151, 2442425; 435215, 2442393; 435195, 2442353; 435128, 2442379; return to starting point.

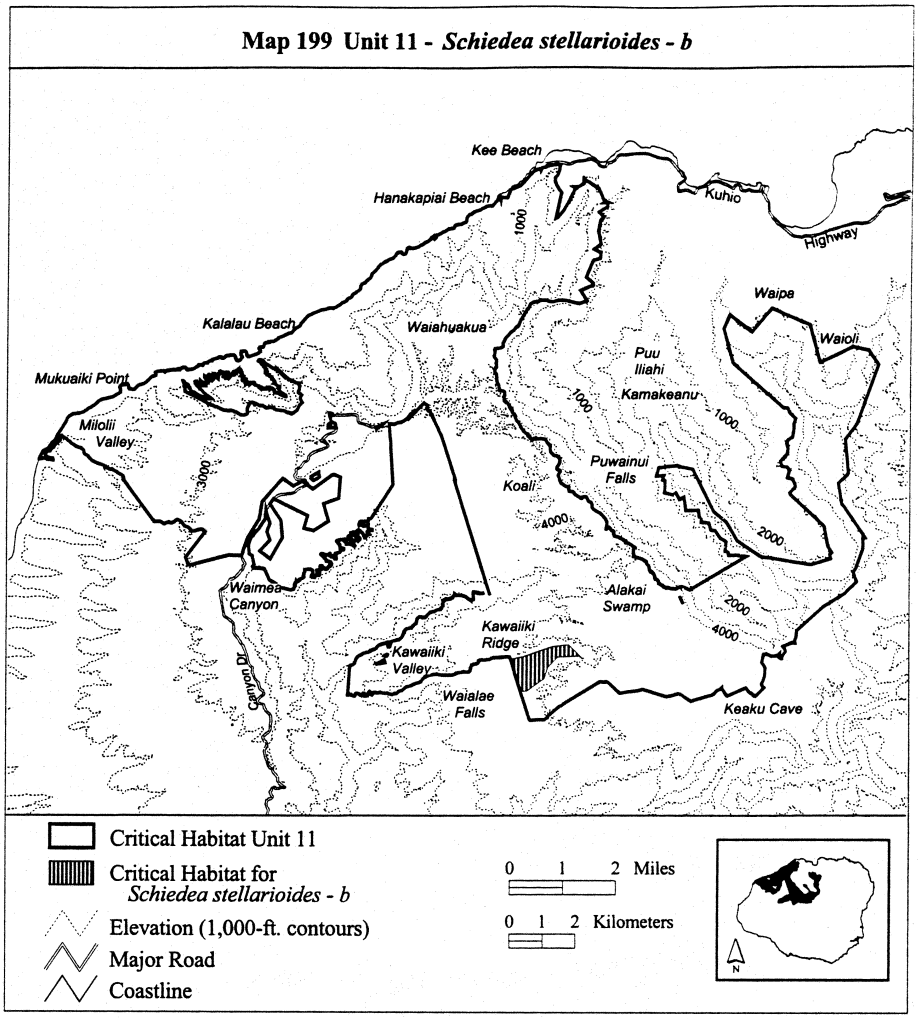
(C) NOTE: Map 198 follows:



(cccxxiv) Kauai 11—*Schiedea stellarioides*—b (129 ha; 320 ac)

(A) Unit consists of the following 10 boundary points: Start at 438960, 2442270; 439367, 2442351; 440212, 2442656; 440725, 2442711; 441086, 2442365; 440393, 2442323; 440088, 2442032; 439991, 2441672; 439455, 2441287; 439273, 2441296; return to starting point.

(B) NOTE: Map 199 follows:



(cccxxv) Kauai 11—*Solanum sandwicense*—a (2,398 ha; 5,924 ac)

(A) Unit consists of the following 544 boundary points: Start at 430406, 2449796; 430471, 2449787; 430527, 2449754; 430583, 2449736; 430635, 2449693; 430696, 2449656; 430720, 2449646; 430819, 2449646; 430899, 2449674; 430918, 2449717; 430904, 2449834; 430927, 2449905; 430955, 2449985; 430993, 2450032; 431068, 2450041; 431153, 2450008; 431238, 2449970; 431285, 2449942; 431360, 2449956; 431449, 2449886; 431497, 2449867; 431605, 2449895; 431657, 2449890; 431699, 2449876; 431765, 2449810; 431864, 2449801; 431981, 2449792; 432047, 2449787; 432113, 2449740; 432217, 2449712; 432259, 2449679; 432344, 2449744; 432419, 2449806; 432471, 2449904; 432504, 2449961; 432579, 2450036; 432551, 2450083; 432523, 2450130; 432523, 2450182; 432565, 2450262; 432523, 2450304; 432475, 2450313; 432452, 2450337; 432461, 2450375; 432480, 2450426; 432490, 2450478; 432501, 2450529; 432504, 2450523; 432515, 2450503; 432524, 2450478; 433149, 2450124; 433338, 2449790; 434410, 2449639; 434833, 2449278; 434834, 2449277; 434839, 2449258; 434848, 2449239; 434872, 2449246; 435266, 2448909; 435282, 2448685; 435360,

2447538; 434700, 2446542; 434681, 2446520; 434675, 2446517; 434664, 2446523; 434636, 2446529; 434623, 2446526; 434620, 2446512; 434628, 2446479; 434625, 2446467; 434618, 2446459; 434582, 2446443; 434558, 2446439; 434533, 2446441; 434514, 2446449; 434500, 2446448; 434471, 2446422; 434457, 2446416; 434447, 2446420; 434434, 2446428; 434423, 2446441; 434416, 2446441; 434403, 2446435; 434400, 2446429; 434386, 2446417; 434371, 2446414; 434363, 2446417; 434355, 2446417; 434351, 2446414; 434333, 2446375; 434335, 2446361; 434340, 2446352; 434353, 2446346; 434368, 2446352; 434403, 2446359; 434411, 2446354; 434417, 2446344; 434421, 2446327; 434434, 2446306; 434469, 2446291; 434479, 2446288; 434499, 2446297; 434514, 2446317; 434528, 2446325; 434559, 2446322; 434568, 2446320; 434585, 2446324; 434595, 2446329; 434614, 2446349; 434620, 2446349; 434621, 2446342; 434611, 2446321; 434609, 2446262; 434614, 2446240; 434625, 2446221; 434647, 2446210; 434667, 2446205; 434694, 2446206; 434724, 2446208; 434733, 2446205; 434736, 2446194; 434735, 2446180; 434730, 2446170; 434717, 2446164; 434599, 2446152; 434582, 2446145; 434576, 2446128; 434582, 2446114; 434603, 2446087; 434642, 2446062; 434647, 2446055; 434645, 2446046; 434604, 2446029; 434573, 2446022; 434556, 2446012; 434535, 2445977; 434525, 2445949; 434504, 2445939; 434494, 2445951; 434477, 2446004; 434469, 2446036; 434437, 2446093; 434413, 2446116; 434381, 2446163; 434367, 2446175; 434336, 2446186; 434315, 2446192; 434302, 2446189; 434283, 2446179; 434270, 2446164; 434263, 2446144; 434271, 2446125; 434305, 2446079; 434308, 2446060; 434307, 2446049; 434301, 2446035; 434289, 2446026; 434273, 2446018; 434244, 2446023; 434235, 2446033; 434230, 2446049; 434232, 2446066; 434225, 2446086; 434215, 2446102; 434204, 2446112; 434185, 2446122; 434162, 2446123; 434150, 2446121; 434115, 2446106; 434097, 2446102; 434080, 2446091; 434072, 2446078; 434077, 2446064; 434091, 2446053; 434110, 2446044; 434160, 2446032; 434179, 2446026; 434195, 2446010; 434209, 2445991; 434227, 2445977; 434247, 2445969; 434271, 2445965; 434324, 2445970; 434336, 2445961; 434340, 2445952; 434341, 2445940; 434355, 2445930; 434361, 2445922; 434358, 2445902; 434337, 2445880; 434326, 2445859; 434311, 2445845; 434298, 2445842; 434283, 2445847; 434262, 2445859; 434230, 2445868; 434184, 2445859; 434167, 2445860; 434147, 2445871; 434110, 2445908; 434089, 2445947; 434074, 2445985; 434062, 2445995; 434039, 2446003; 434031, 2446004; 434014, 2445998; 434001, 2445989; 433994, 2445980; 434002, 2445963; 434016, 2445942; 434022, 2445924; 434035, 2445898; 434077, 2445846; 434186, 2445754; 434202, 2445733; 434205, 2445721; 434204, 2445697; 434190, 2445688; 434158, 2445694; 434142, 2445707; 434130, 2445726; 434108, 2445744; 434086, 2445750; 434053, 2445750; 434008, 2445764; 433990, 2445763; 433971, 2445751; 433955, 2445752; 433944, 2445759; 433946, 2445837; 433944, 2445864; 433927, 2445891; 433905, 2445911; 433891, 2445905; 433882, 2445891; 433875, 2445862; 433870, 2445857; 433859, 2445859; 433850, 2445878; 433837, 2445891; 433826, 2445896; 433791, 2445897; 433775, 2445901; 433758, 2445896; 433730, 2445871; 433708, 2445866; 433689, 2445873; 433675, 2445873; 433653, 2445857; 433650, 2445838; 433656, 2445820; 433690, 2445778; 433718, 2445762; 433735, 2445756; 433750, 2445748; 433756, 2445723; 433755, 2445706; 433759, 2445665; 433764, 2445656; 433781, 2445647; 433824, 2445642; 433851, 2445636; 433868, 2445628; 433879, 2445615; 433881, 2445595; 433867, 2445582; 433854, 2445582; 433827, 2445587; 433805, 2445594; 433787, 2445596; 433772, 2445590; 433763, 2445575; 433770, 2445538; 433773, 2445524; 433772, 2445519; 433762, 2445509; 433749, 2445500; 433732, 2445496; 433717, 2445497; 433708, 2445498; 433696, 2445499; 433686, 2445494; 433668, 2445480; 433655, 2445475; 433647, 2445474; 433635, 2445470; 433628, 2445467; 433621, 2445463; 433616, 2445456; 433609, 2445448; 433604, 2445445; 433598, 2445437; 433595, 2445433; 433595, 2445428; 433599, 2445420; 433611, 2445391; 433614, 2445376; 433620, 2445365; 433629, 2445356; 433637, 2445346; 433639, 2445336; 433641, 2445327; 433641, 2445319; 433637, 2445311; 433625, 2445307; 433619, 2445305; 433611, 2445307; 433604, 2445309; 433600, 2445313; 433591, 2445329; 433586, 2445341; 433582, 2445346; 433577, 2445353; 433573, 2445358; 433568, 2445366; 433567, 2445374; 433565, 2445381; 433564, 2445388; 433563, 2445395; 433562, 2445398; 433561, 2445399; 433556, 2445403; 433548, 2445403; 433527, 2445398; 433494, 2445388; 433477, 2445386; 433469, 2445388; 433463, 2445394; 433459, 2445402; 433456, 2445410; 433455, 2445416; 433452, 2445424; 433452, 2445436; 433451, 2445445; 433450, 2445450; 433449, 2445457; 433448, 2445461; 433446, 2445465; 433442, 2445467; 433438, 2445470; 433431, 2445468; 433426, 2445464; 433420, 2445459; 433413, 2445452; 433405, 2445444; 433396, 2445440; 433373, 2445432; 433344, 2445421; 433332, 2445422; 433317, 2445424; 433307, 2445428; 433288, 2445435; 433272, 2445440; 433260, 2445444; 433247, 2445450; 433242,

2445455; 433237, 2445459; 433233, 2445462; 433226, 2445466; 433221, 2445464; 433201, 2445464; 433193, 2445466; 433187, 2445464; 433181, 2445460; 433179, 2445455; 433179, 2445445; 433180, 2445437; 433192, 2445424; 433199, 2445416; 433225, 2445390; 433249, 2445376; 433262, 2445366; 433268, 2445357; 433274, 2445351; 433279, 2445342; 433287, 2445336; 433298, 2445333; 433312, 2445324; 433316, 2445313; 433323, 2445297; 433334, 2445273; 433342, 2445263; 433353, 2445252; 433362, 2445247; 433375, 2445242; 433386, 2445238; 433401, 2445232; 433411, 2445227; 433422, 2445223; 433432, 2445221; 433450, 2445220; 433460, 2445216; 433471, 2445210; 433482, 2445197; 433506, 2445166; 433514, 2445158; 433515, 2445153; 433512, 2445142; 433510, 2445136; 433508, 2445133; 433505, 2445128; 433500, 2445122; 433495, 2445122; 433487, 2445127; 433480, 2445134; 433474, 2445142; 433469, 2445149; 433467, 2445153; 433464, 2445154; 433457, 2445154; 433455, 2445147; 433452, 2445137; 433446, 2445124; 433444, 2445112; 433441, 2445104; 433438, 2445101; 433432, 2445099; 433423, 2445093; 433413, 2445082; 433395, 2445069; 433387, 2445061; 433382, 2445052; 433380, 2445044; 433380, 2445034; 433381, 2445023; 433380, 2445014; 433379, 2445001; 433251, 2445044; 433236, 2445061; 433216, 2445082; 433207, 2445091; 433201, 2445098; 433195, 2445100; 433189, 2445105; 433182, 2445104; 433177, 2445100; 433173, 2445094; 433172, 2445090; 433168, 2445082; 433164, 2445076; 433162, 2445074; 432855, 2445176; 431152, 2445138; 431083, 2445402; 430991, 2445457; 430977, 2445767; 431060, 2445963; 431278, 2446215; 431483, 2446536; 431491, 2446759; 431622, 2446390; 431522, 2446121; 431622, 2445871; 431312, 2445542; 431632, 2445303; 432001, 2445941; 431961, 2446460; 431624, 2446959; 431732, 2447115; 432759, 2446609; 432659, 2446240; 432948, 2446150; 433397, 2446440; 433257, 2446958; 433706, 2447138; 433746, 2447766; 433527, 2447856; 432918, 2447407; 432609, 2447647; 432320, 2447497; 432136, 2447629; 432001, 2447726; 431369, 2447027; 431298, 2446522; 430955, 2445963; 430827, 2445619; 430759, 2445406; 430512, 2445417; 430457, 2445529; 429615, 2446073; 429654, 2446125; 429591, 2446167; 429485, 2446305; 429263, 2446389; 429094, 2446389; 428972, 2446421; 428904, 2446474; 428793, 2446542; 428740, 2446564; 428655, 2446474; 428602, 2446447; 428476, 2446463; 428396, 2446447; 428285, 2446458; 428116, 2446474; 428047, 2446484; 427911, 2446671; 428135, 2446700; 428430, 2446668; 428652, 2446679; 428420, 2446795; 428346, 2446995; 428166, 2447059; 427892, 2447133; 427744, 2447249; 427839, 2447460; 428092, 2447502; 428314, 2447470; 428282, 2447639; 428504, 2447839; 428726, 2447966; 429032, 2448061; 428768, 2448156; 428504, 2448156; 428356, 2448261; 428430, 2448388; 428705, 2448546; 428494, 2448705; 428821, 2448757; 428842, 2448873; 428662, 2448989; 428705, 2449084; 428810, 2449127; 429074, 2449042; 429401, 2449063; 429433, 2449264; 429665, 2449464; 429887, 2449517; 430161, 2449559; 430108, 2449664; 429910, 2449925; 429944, 2449910; 429968, 2449904; 430016, 2449884; 430068, 2449856; 430172, 2449815; 430207, 2449804; 430261, 2449795; 430317, 2449781; 430340, 2449778; 430365, 2449787; 430392, 2449798; 430408, 2449802; 430410, 2449802; return to starting point.

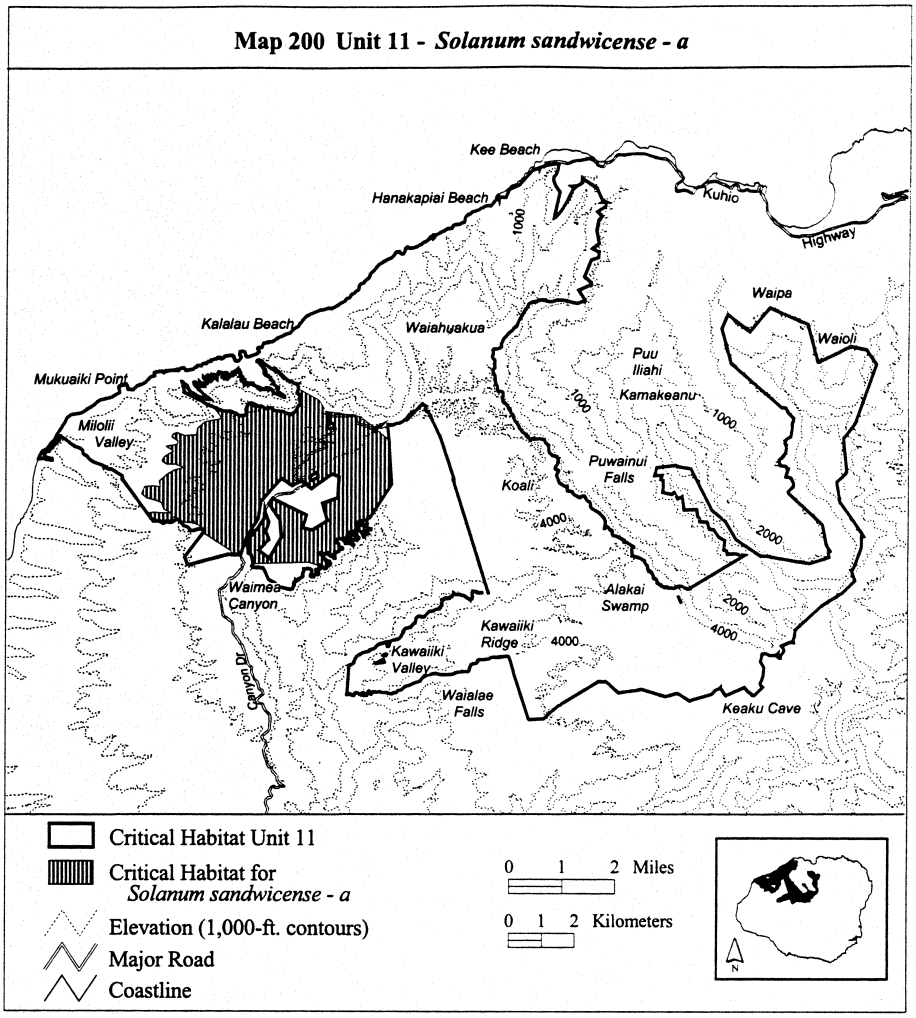
(B) Excluding 3 areas:

(*1*) Bounded by the following 10 points (3 ha; 8 ac): Start at 433368, 2449292; 433367, 2449352; 433448, 2449426; 433546, 2449412; 433567, 2449398; 433589, 2449323; 433612, 2449262; 433588, 2449244; 433567, 2449260; 433369, 2449255; return to starting point;

(*2*) Bounded by the following 4 points (3 ha; 8 ac): Start at 433109, 2447775; 432932, 2447668; 432827, 2447751; 433094, 2447922; return to starting point; and

(*3*) Bounded by the following 9 points (1 ha; 2ac): Start at 433484, 2449703; 433480, 2449629; 433457, 2449622; 433440, 2449604; 433426, 2449556; 433419, 2449599; 433399, 2449709; 433436, 2449707; 433460, 2449707; return to starting point.

(C) NOTE: Map 200 follows:

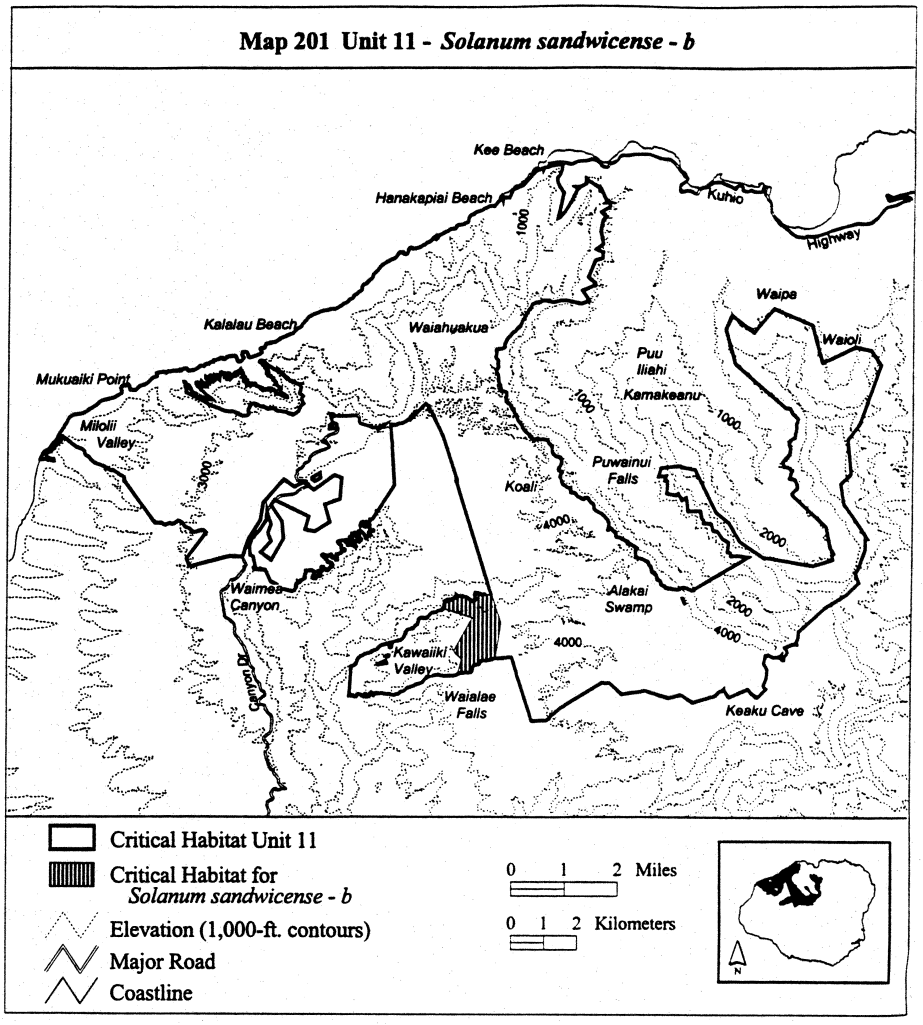


(cccxxvi) Kauai 11—*Solanum sandwicense*—b (249 ha; 614 ac)

(A) Unit consists of the following 173 boundary points: Start at 437312, 2441832; 437426, 2442297; 437228, 2442475; 437193, 2442545; 437746, 2443542; 436864, 2443836; 436870, 2443847; 436882, 2443863; 436890, 2443877; 436900, 2443900; 436911, 2443923; 436914, 2443936; 436914, 2443948; 436913, 2443962; 436910, 2443981; 436908, 2443995; 436908, 2444013; 436911, 2444027; 436918, 2444040; 436926, 2444047; 436933, 2444055; 436942, 2444065; 436951, 2444073; 436961, 2444084; 436969, 2444094; 436975, 2444098; 436983, 2444102; 436994, 2444107; 437009, 2444108; 437026, 2444105; 437049, 2444100; 437067, 2444092; 437076, 2444089; 437106, 2444090; 437119, 2444096; 437128, 2444104; 437133, 2444112; 437137, 2444122; 437144, 2444130; 437156, 2444135; 437169, 2444141; 437183, 2444150; 437191, 2444154; 437202, 2444165; 437212, 2444177; 437228, 2444198; 437239, 2444213; 437245, 2444227; 437254, 2444239; 437263, 2444246; 437278, 2444240; 437294, 2444234; 437310, 2444225; 437332, 2444217; 437351, 2444217; 437370,

2444223; 437391, 2444223; 437412, 2444226; 437428, 2444226; 437445, 2444223; 437462, 2444219; 437482, 2444211; 437497, 2444205; 437541, 2444190; 437563, 2444183; 437578, 2444179; 437593, 2444170; 437610, 2444160; 437624, 2444146; 437636, 2444132; 437651, 2444119; 437671, 2444112; 437691, 2444102; 437703, 2444093; 437722, 2444082; 437732, 2444069; 437749, 2444061; 437758, 2444058; 437768, 2444060; 437780, 2444066; 437810, 2444080; 437821, 2444088; 437831, 2444100; 437833, 2444111; 437835, 2444126; 437833, 2444139; 437827, 2444163; 437822, 2444185; 437820, 2444206; 437818, 2444236; 437824, 2444265; 437828, 2444292; 437836, 2444314; 437843, 2444322; 437854, 2444327; 437871, 2444328; 437887, 2444323; 437909, 2444314; 437933, 2444302; 437960, 2444289; 437984, 2444274; 438007, 2444260; 438028, 2444258; 438048, 2444258; 438072, 2444260; 438087, 2444266; 438109, 2444271; 438133, 2444273; 438164, 2444270; 438196, 2444263; 438335, 2444214; 438611, 2443392; 438453, 2442321; 438453, 2442321; 438436, 2442321; 438433, 2442319; 438418, 2442311; 438392, 2442294; 438376, 2442278; 438355, 2442265; 438305, 2442256; 438254, 2442248; 438238, 2442248; 438219, 2442244; 438157, 2442234; 438130, 2442234; 438114, 2442232; 438098, 2442237; 438065, 2442246; 438049, 2442246; 438030, 2442243; 438012, 2442229; 438000, 2442216; 437998, 2442205; 437996, 2442188; 437984, 2442167; 437973, 2442147; 437954, 2442136; 437939, 2442128; 437926, 2442125; 437912, 2442123; 437873, 2442121; 437839, 2442110; 437826, 2442106; 437806, 2442092; 437791, 2442074; 437777, 2442052; 437766, 2442017; 437758, 2441998; 437754, 2441991; 437751, 2441981; 437745, 2441950; 437740, 2441938; 437736, 2441928; 437717, 2441899; 437711, 2441887; 437705, 2441878; 437689, 2441877; 437674, 2441875; 437647, 2441866; 437635, 2441866; 437617, 2441866; 437602, 2441867; 437566, 2441876; 437532, 2441880; 437522, 2441879; 437495, 2441869; 437460, 2441862; 437391, 2441858; 437366, 2441852; 437346, 2441845; 437332, 2441842; 437317, 2441835; return to starting point.

(B) NOTE: Map 201 follows:

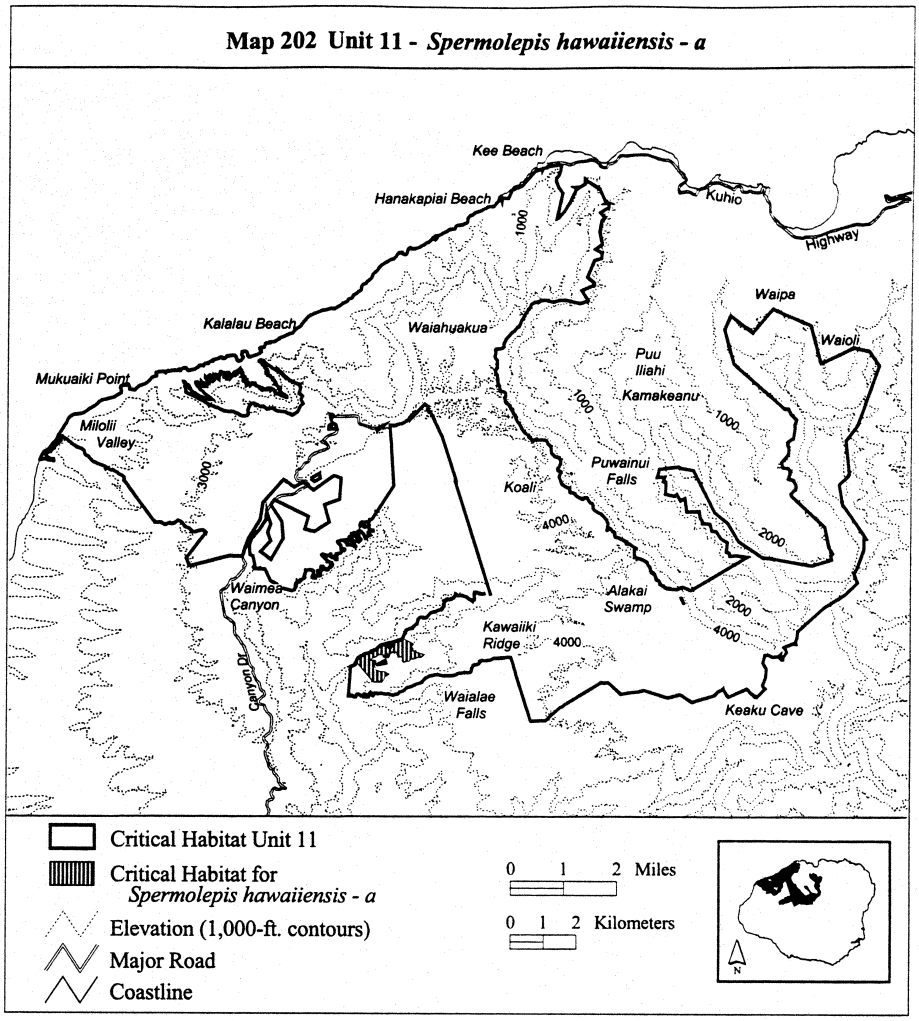


(cccxxvii) Kauai 11—*Spermolepis hawaiiensis*—a (96 ha; 237 ac)

(A) Unit consists of the following 121 boundary points: Start at 435336, 2442801; 435344, 2442802; 435367, 2442807; 435391, 2442814; 435415, 2442819; 435435, 2442826; 435454, 2442831; 435476, 2442838; 435496, 2442844; 435516, 2442850; 435530, 2442853; 435534, 2442855; 435543, 2442858; 435556, 2442862; 435571, 2442867; 435585, 2442876; 435598, 2442885; 435608, 2442891; 435619, 2442899; 435627, 2442904; 435642, 2442920; 435649, 2442926; 435987, 2442743; 435923, 2442638; 435980, 2442622; 435964, 2442531; 436062, 2442540; 436086, 2442482; 436308, 2442425; 436218, 2442327; 436136, 2442343; 436029, 2442277; 435923, 2442286; 435849, 2442204; 435783, 2442236; 435710, 2442171; 435669, 2442196; 435636, 2442343; 435513, 2442376; 435472, 2442490; 435374, 2442490; 435204, 2442398; 435151, 2442425; 435134, 2442390; 434956, 2442417; 434669, 2442261; 434841, 2442245; 434816, 2442146; 434775, 2442089; 434833, 2442040; 434833, 2441958; 434947, 2441917; 435144, 2441909; 435234, 2441810; 435136, 2441761; 435054,

2441589; 434767, 2441581; 434245, 2442204; 434247, 2442208; 434253, 2442234; 434261, 2442257; 434269, 2442282; 434282, 2442299; 434295, 2442316; 434308, 2442329; 434330, 2442350; 434344, 2442361; 434355, 2442368; 434370, 2442378; 434395, 2442387; 434416, 2442397; 434439, 2442410; 434458, 2442423; 434486, 2442437; 434504, 2442450; 434522, 2442454; 434537, 2442457; 434563, 2442460; 434590, 2442462; 434610, 2442464; 434628, 2442472; 434643, 2442483; 434664, 2442490; 434680, 2442493; 434700, 2442502; 434713, 2442515; 434725, 2442524; 434735, 2442532; 434755, 2442542; 434775, 2442551; 434800, 2442556; 434822, 2442562; 434842, 2442574; 434862, 2442596; 434883, 2442613; 434896, 2442626; 434916, 2442647; 434934, 2442668; 434949, 2442681; 434972, 2442699; 434986, 2442705; 434997, 2442708; 435006, 2442713; 435012, 2442717; 435026, 2442719; 435039, 2442722; 435061, 2442727; 435081, 2442733; 435100, 2442739; 435119, 2442747; 435135, 2442754; 435150, 2442764; 435164, 2442771; 435184, 2442774; 435201, 2442777; 435219, 2442778; 435237, 2442782; 435251, 2442783; 435228, 2442762; 435237, 2442643; 435284, 2442631; return to starting point.

(B) NOTE: Map 202 follows:

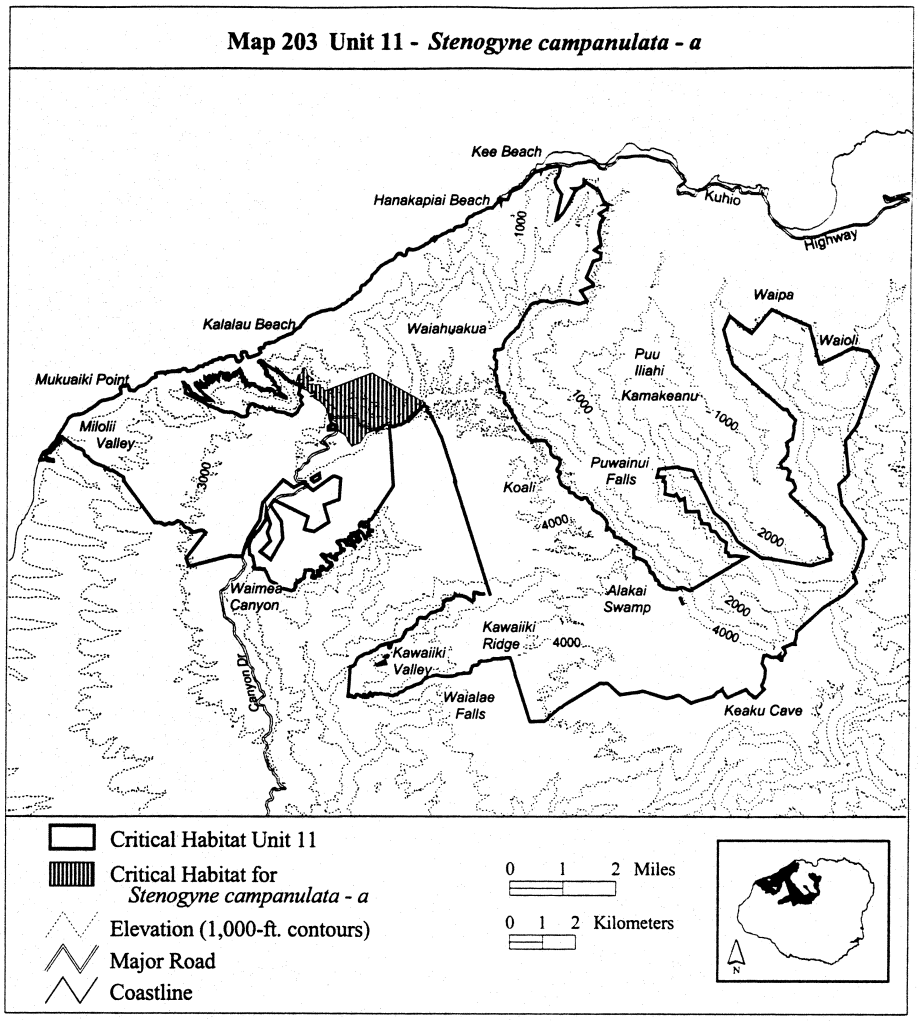


(cccxxviii) Kauai 11—*Stenogyne campanulata*—a (425 ha; 1,050 ac)

(A) Unit consists of the following 144 boundary points: Start at 434899, 2449305; 434804, 2449290; 434736, 2449221; 434553, 2449155; 434346, 2448873; 434346, 2448873; 434133, 2448777; 434083, 2448755; 434075, 2448771; 434056, 2448804; 434012, 2448851; 433982, 2448889; 433967, 2448914; 433940, 2448999; 433923, 2449035; 433901, 2449073; 433878, 2449095; 433816, 2449138; 433722, 2449193; 433702, 2449209; 433670, 2449240; 433661, 2449253; 433655, 2449281; 433657, 2449308; 433655, 2449364; 433644, 2449421; 433637, 2449443; 433599, 2449496; 433583, 2449511; 433542, 2449535; 433502, 2449553; 433474, 2449581; 433459, 2449611; 433455, 2449620; 433457, 2449622; 433480, 2449629; 433484, 2449703; 433460, 2449707; 433445, 2449707; 433447, 2449716; 433452, 2449730; 433426, 2449734; 433382, 2449748; 433360, 2449764; 433333, 2449796; 433315, 2449831; 433305, 2449855; 433306, 2449889; 433274, 2449927; 433264, 2449953; 433222, 2450001; 433205, 2450039; 433187, 2450056; 433159, 2450071; 433150, 2450078; 433137,

2450097; 433123, 2450113; 433092, 2450137; 433056, 2450156; 433000, 2450177; 432990, 2450185; 432989, 2450202; 432984, 2450211; 432948, 2450219; 432933, 2450232; 432915, 2450267; 432908, 2450277; 432893, 2450280; 432816, 2450278; 432928, 2450321; 432968, 2450336; 432937, 2450390; 432818, 2450351; 432724, 2450450; 432672, 2450465; 432566, 2450524; 432499, 2450674; 432388, 2450682; 432448, 2450923; 432499, 2450934; 432562, 2451021; 432566, 2451116; 432649, 2451139; 432688, 2451076; 432704, 2451001; 432732, 2450923; 432850, 2450832; 432925, 2450788; 432893, 2450753; 432811, 2450745; 432740, 2450749; 432767, 2450651; 432822, 2450635; 432909, 2450674; 432953, 2450599; 432980, 2450635; 433130, 2450635; 433130, 2450532; 433201, 2450548; 433225, 2450473; 433286, 2450459; 434695, 2451004; 436326, 2450090; 436322, 2450080; 436296, 2450046; 436244, 2450016; 436213, 2450009; 436203, 2450009; 436111, 2449924; 436104, 2449902; 436086, 2449869; 436075, 2449855; 436058, 2449842; 436017, 2449817; 436001, 2449805; 435988, 2449789; 435981, 2449774; 435967, 2449754; 435899, 2449684; 435876, 2449668; 435842, 2449638; 435825, 2449617; 435797, 2449573; 435765, 2449537; 435716, 2449506; 435664, 2449469; 435598, 2449429; 435576, 2449421; 435549, 2449426; 435517, 2449423; 435501, 2449420; 435469, 2449405; 435418, 2449387; 435390, 2449374; 435368, 2449361; 435334, 2449356; 435319, 2449360; 435292, 2449379; 435269, 2449384; 435247, 2449385; 435234, 2449384; 435201, 2449386; 435171, 2449398; 435011, 2449352; return to starting point.

(B) NOTE: Map 203 follows:



(cccxxix) Kauai 11–*Stenogyne kealiae*–b

(A) See paragraph (a)(1)(cxxxvi)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(cxxxvi)(B) of this section for the map of this unit.

(cccxxx) Kauai 11–*Stenogyne kealiae*–c

(A) See paragraph (a)(1)(cxl)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(cxl)(B) of this section for the map of this unit.

(cccxxxi) Kauai 11–*Stenogyne kealiae*–d

(A) See paragraph (a)(1)(cxlvi)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(cxlvi)(B) of this section for the map of this unit.

(cccxxxii) Kauai 11–*Tetraplasandra bisattenuata*–c

(A) See paragraph (a)(1)(cxxxiii)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(cxxxiii)(B) of this section for the map of this unit.

(cccxxxiii) Kauai 11–*Tetraplasandra bisattenuata*–d

(A) See paragraph (a)(1)(cxl)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(cxl)(B) of this section for the map of this unit.

(cccxxxiv) Kauai 11–*Tetraplasandra flynnii*–c

(A) See paragraph (a)(1)(cxxx)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(cxxx)(B) of this section for the map of this unit.

(cccxxxv) Kauai 11–*Tetraplasandra flynnii*–d

(A) See paragraph (a)(1)(cxl)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(cxl)(B) of this section for the map of this unit.

(cccxxxvi) Kauai 11–*Tetraplasandra flynnii*–e

(A) See paragraph (a)(1)(cxlvi)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(cxlvi)(B) of this section for the map of this unit.

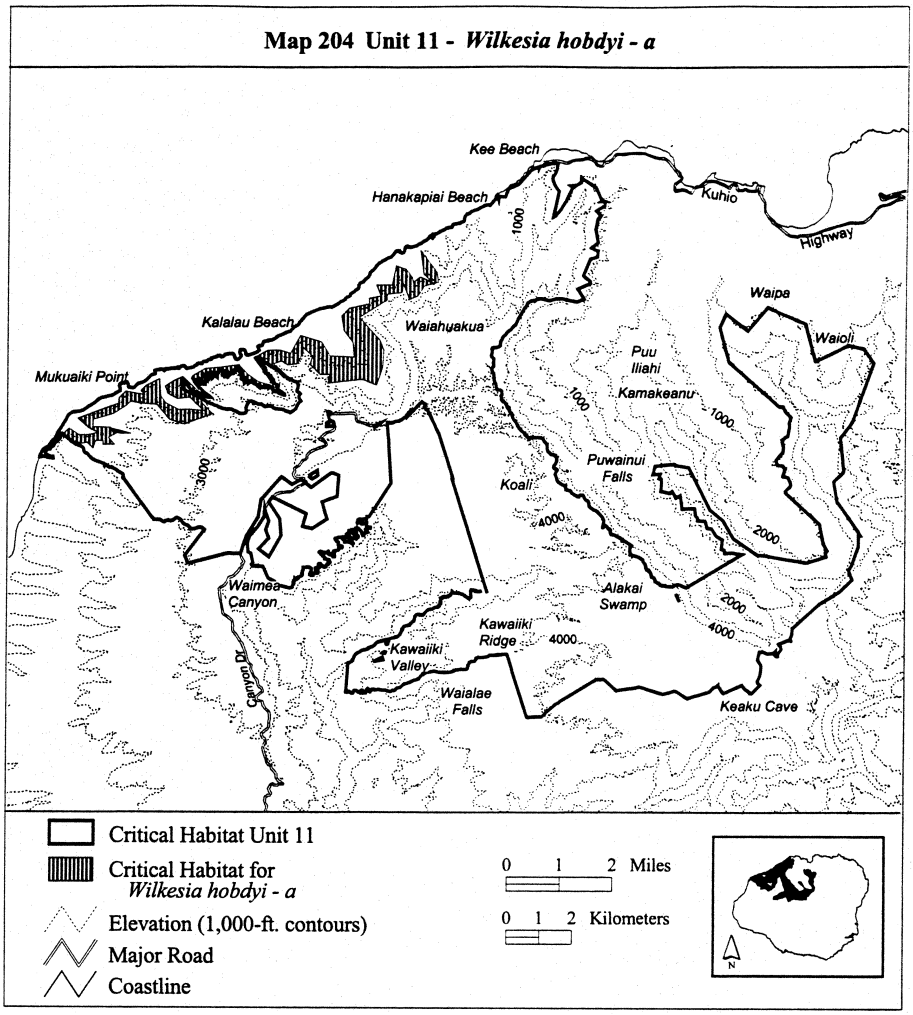
(cccxxxvii) Kauai 11—*Wilkesia hobdyi*—a (775 ha; 1,914 ac)

(A) Unit consists of the following 767 boundary points: Start at 429512, 2450126; 429503, 2450126; 429579, 2449948; 429883, 2449645; 429022, 2449316; 428566, 2449468; 428186, 2449923; 427856, 2449949; 427679, 2449974; 427375, 2450025; 427248, 2449898; 426868, 2449645; 426235, 2449468; 426235, 2449240; 426463, 2449240; 426767, 2449215; 426944, 2449037; 426716, 2448911; 426893, 2448708; 426539, 2448708; 426539, 2448809; 426311, 2448809; 426235, 2448581; 426057, 2448759; 425880, 2448733; 425529, 2448833; 425528, 2448834; 425487, 2448867; 425460, 2448891; 425421, 2448924; 425388, 2448948; 425362, 2448961; 425329, 2449019; 425500, 2449189; 425804, 2448987; 426108, 2448987; 426387, 2449063; 426083, 2449215; 425778, 2449493; 426589, 2449797; 427020, 2449949; 427020, 2450126; 427121, 2450227; 427223, 2450328; 427806, 2450227; 427704, 2450354; 427831, 2450506; 428262, 2450708; 428287, 2450176; 428464, 2449974; 428844, 2449771; 429199, 2449771; 429605, 2449746; 429427, 2449923; 429174, 2450151; 428819, 2450100; 428515, 2450278; 428439, 2450480; 428692, 2450657; 428971, 2450784; 429529, 2450252; 429224, 2450733; 429275, 2450809; 429655, 2451037; 430137, 2451088; 430694, 2451163; 430947, 2450860; 431277, 2450632; 431758, 2450480; 431480, 2450885; 431125, 2451366; 431581, 2451594; 431936, 2451594; 432265, 2451492; 432569, 2452049; 433203, 2451846; 433456, 2451416; 434191, 2451390; 434165, 2451821; 433887, 2452200; 433811, 2452631; 434039, 2452884; 434647, 2453010; 434647, 2453187; 435001, 2453263; 434875, 2453592; 435356, 2453592; 435407, 2453845; 435483, 2454174; 435787, 2454073; 435964, 2453820; 435990, 2453668; 436218, 2453845; 436572, 2453668; 436319, 2453946; 436294, 2454098; 436218, 2454629; 436724, 2453971; 436750, 2453667; 436344, 2453566; 436142, 2453263; 435888, 2453162; 435686, 2453643; 435660, 2453364; 435204, 2453314; 435204, 2453136; 434368, 2452605; 434672, 2452251; 434976, 2451922; 435103, 2451593; 435077, 2451061; 434900, 2450529; 434469, 2450707; 434013, 2450656; 433405, 2450580; 433456, 2450859; 433177, 2450859; 432848, 2451163; 432924, 2451416; 432645, 2451669; 432620, 2451492; 432468, 2451188; 432189, 2451138; 431986, 2451264; 431682, 2451163; 431710, 2451085; 431700, 2451088; 431641, 2451117; 431591, 2451154; 431525, 2451187; 431489, 2451219; 431446, 2451247; 431433, 2451261; 431373, 2451329; 431370, 2451323; 431360, 2451314; 431351, 2451321; 431337, 2451323; 431318, 2451324; 431304, 2451317; 431293, 2451316; 431287, 2451322; 431281, 2451336; 431277, 2451355; 431264, 2451350; 431245, 2451336; 431233, 2451323; 431242, 2451310; 431267, 2451297; 431294, 2451278; 431312, 2451246; 431348, 2451203; 431384, 2451176; 431402, 2451170; 431407, 2451149; 431415, 2451137; 431428, 2451129; 431432, 2451109; 431442, 2451094; 431457, 2451086; 431456, 2451081; 431450, 2451067; 431455, 2451053; 431467, 2451047; 431486, 2451047; 431488, 2451038; 431482, 2451029; 431481, 2451010; 431487, 2450998; 431505, 2450987; 431504, 2450980; 431486, 2450974; 431476, 2450971; 431456, 2450971; 431449, 2450963; 431452, 2450955; 431457, 2450948; 431476, 2450934; 431497, 2450922; 431502, 2450903; 431509, 2450895; 431530, 2450888; 431555, 2450880; 431580, 2450878; 431577, 2450867; 431580, 2450848; 431591, 2450839; 431606, 2450830; 431626, 2450824; 431655, 2450815; 431653, 2450800; 431650, 2450792; 431645, 2450777; 431653, 2450764; 431671, 2450767; 431665, 2450749; 431661, 2450738; 431675, 2450731; 431689, 2450726; 431698, 2450722; 431699, 2450717; 431702, 2450701; 431710, 2450693; 431720, 2450686; 431733, 2450677; 431733, 2450656; 431729, 2450645; 431735, 2450642; 431736, 2450636; 431739, 2450626; 431752, 2450619; 431763, 2450615; 431769, 2450597; 431786, 2450573; 431798, 2450561; 431822,

2450550; 431829, 2450545; 431845, 2450528; 431860, 2450521; 431873, 2450519; 431885, 2450510; 431899, 2450498; 431900, 2450492; 431891, 2450486; 431874, 2450483; 431852, 2450481; 431839, 2450475; 431835, 2450472; 431841, 2450451; 431856, 2450433; 431874, 2450409; 431900, 2450378; 431933, 2450350; 431949, 2450336; 431983, 2450316; 432009, 2450298; 432026, 2450277; 432049, 2450261; 432065, 2450255; 432065, 2450248; 432065, 2450233; 432072, 2450223; 432081, 2450211; 432076, 2450207; 432058, 2450218; 432042, 2450225; 432024, 2450234; 432006, 2450246; 431989, 2450255; 431968, 2450265; 431949, 2450270; 431917, 2450271; 431900, 2450287; 431882, 2450301; 431864, 2450315; 431840, 2450325; 431808, 2450327; 431770, 2450328; 431762, 2450341; 431752, 2450353; 431730, 2450369; 431726, 2450392; 431720, 2450403; 431709, 2450416; 431692, 2450418; 431691, 2450429; 431687, 2450439; 431677, 2450453; 431664, 2450465; 431652, 2450468; 431635, 2450468; 431615, 2450468; 431608, 2450462; 431598, 2450460; 431597, 2450472; 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(B) NOTE: Map 204 follows:

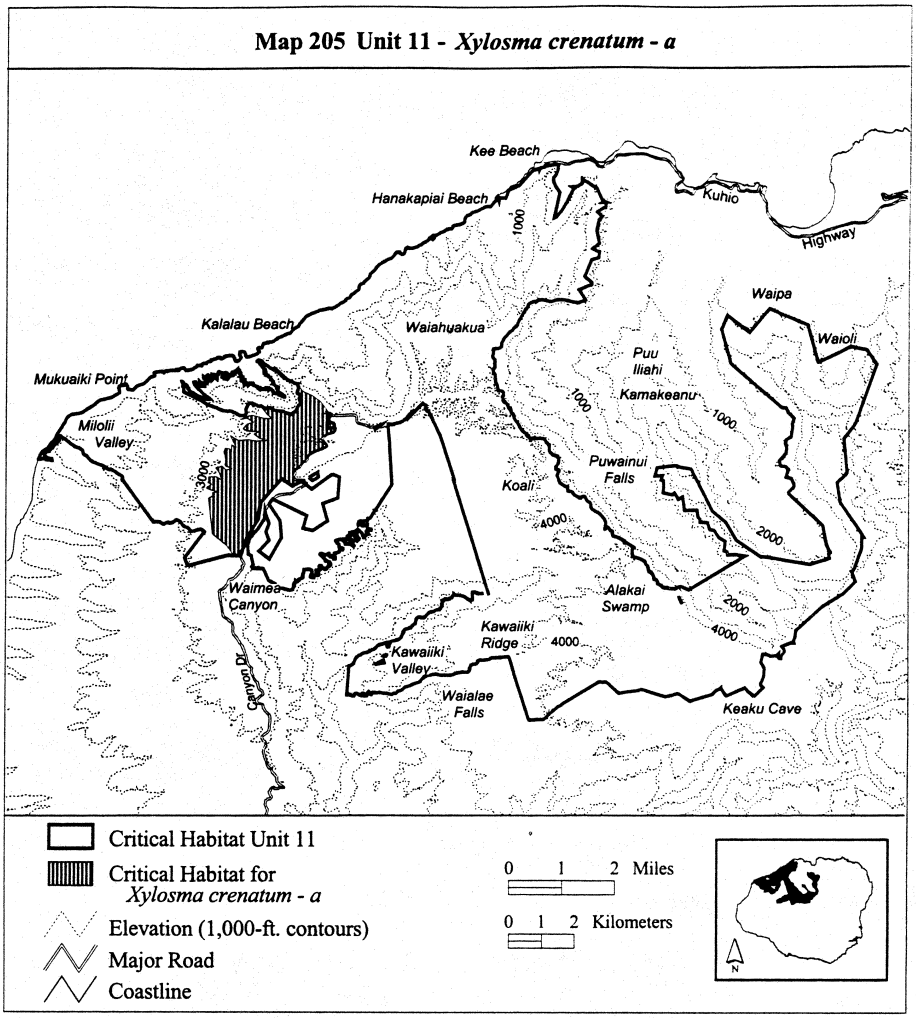


(cccxxxviii) Kauai 11—*Xylosma crenatum*—a (840 ha; 2,076 ac)

(A) Unit consists of the following 122 boundary points: Start at 432382, 2447776; 432423, 2447705; 432682, 2447686; 432655, 2447631; 432639, 2447624; 432609, 2447647; 432320, 2447497; 432136, 2447629; 432001, 2447726; 431389, 2447049; 431307, 2447021; 431213, 2446424; 431051, 2446119; 430955, 2445963; 430925, 2445882; 430674, 2445410; 430555, 2445415; 430312, 2445743; 429891, 2446070; 429781, 2447125; 429904, 2447201; 429895, 2447305; 430027, 2447324; 429696, 2447438; 429866, 2447552; 429639, 2447675; 429667, 2447779; 429989, 2447789; 430170, 2447694; 430113, 2447893; 429989, 2448054; 430189, 2448101; 430302, 2447988; 430473, 2448035; 430283, 2448130; 430293, 2448329; 430245, 2448528; 430283, 2448642; 430407, 2448632; 430464, 2448490; 430473, 2448755; 430615, 2448689; 430520, 2448859; 430445, 2449030; 430691, 2448878; 430976, 2448916; 431222, 2448869; 431488, 2448883; 431563, 2448888; 431326, 2448954; 431156, 2449077; 431298, 2449163; 430928, 2449182; 430824, 2449248; 430947, 2449381; 431127, 2449447; 430938, 2449579; 430795, 2449542; 431023, 2449655; 431080, 2449665; 431469,

2449560; 431696, 2449560; 431563, 2449674; 431391, 2449886; 431473, 2449876; 431497, 2449867; 431513, 2449871; 431548, 2449867; 431590, 2449891; 431605, 2449895; 431657, 2449890; 431678, 2449883; 431707, 2449868; 431765, 2449810; 431835, 2449804; 432251, 2449685; 432259, 2449679; 432263, 2449682; 432287, 2449675; 432405, 2449773; 432584, 2450032; 432523, 2450178; 432523, 2450182; 432565, 2450262; 432523, 2450304; 432475, 2450313; 432459, 2450330; 432457, 2450334; 432476, 2450414; 432480, 2450426; 432486, 2450458; 432504, 2450523; 432510, 2450542; 432633, 2450391; 432930, 2450259; 433160, 2450085; 433400, 2449772; 433437, 2449726; 433436, 2449707; 433399, 2449709; 433419, 2449599; 433426, 2449556; 433430, 2449518; 433525, 2449415; 433448, 2449426; 433367, 2449352; 433368, 2449292; 433369, 2449255; 433567, 2449260; 433588, 2449244; 433599, 2449252; 433608, 2449246; 433610, 2449137; 433383, 2449073; 433181, 2448930; 433395, 2448719; 433088, 2448562; 432861, 2448469; 432612, 2448172; 432493, 2448031; 432404, 2447993; 432356, 2447820; return to starting point.

(B) NOTE: Map 205 follows:



(cccxxxix) Kauai 11—*Zanthoxylum hawaiiense*—a (523 ha; 1,292 ac)

(A) Unit consists of the following 402 boundary points: Start at 435336, 2442801; 435344, 2442802; 435367, 2442807; 435391, 2442814; 435415, 2442819; 435435, 2442826; 435454, 2442831; 435476, 2442838; 435496, 2442844; 435516, 2442850; 435530, 2442853; 435534, 2442855; 435543, 2442858; 435556, 2442862; 435571, 2442867; 435585, 2442876; 435598, 2442885; 435608, 2442891; 435619, 2442899; 435627, 2442904; 435642, 2442920; 435658, 2442932; 435668, 2442948; 435673, 2442959; 435681, 2442977; 435688, 2442995; 435693, 2443006; 435698, 2443024; 435704, 2443036; 435708, 2443047; 435715, 2443064; 435722, 2443078; 435725, 2443086; 435729, 2443093; 435735, 2443103; 435738, 2443112; 435743, 2443127; 435749, 2443138; 435753, 2443149; 435757, 2443155; 435766, 2443169; 435778, 2443179; 435790, 2443186; 435804, 2443188; 435821, 2443194; 435842, 2443199; 435861, 2443202; 435874, 2443204; 435889, 2443208; 435904, 2443211; 435933, 2443223; 435942, 2443232; 435949, 2443246; 435958, 2443255; 435969, 2443263; 435979, 2443271; 435993, 2443281; 436010, 2443297; 436032, 2443316; 436048, 2443332; 436064, 2443343; 436080, 2443358; 436089, 2443375; 436095, 2443390; 436100, 2443403; 436107, 2443421; 436113, 2443456; 436118, 2443477; 436123, 2443502; 436134, 2443520; 436146, 2443534; 436160, 2443543; 436175, 2443554; 436190, 2443560; 436213, 2443563; 436227, 2443563; 436240, 2443562; 436254, 2443557; 436265, 2443552; 436274, 2443547; 436287, 2443540; 436300, 2443537; 436315, 2443532; 436328, 2443529; 436337, 2443528; 436348, 2443531; 436357, 2443536; 436369, 2443546; 436380, 2443558; 436392, 2443572; 436403, 2443585; 436421, 2443611; 436438, 2443631; 436460, 2443655; 436478, 2443676; 436497, 2443688; 436518, 2443696; 436534, 2443700; 436558, 2443707; 436576, 2443711; 436597, 2443714; 436611, 2443716; 436630, 2443718; 436644, 2443720; 436655, 2443724; 436666, 2443731; 436678, 2443742; 436697, 2443756; 436708, 2443763; 436726, 2443769; 436745, 2443772; 436758, 2443775; 436771, 2443776; 436788, 2443776; 436799, 2443778; 436808, 2443781; 436818, 2443785; 436823, 2443786; 436829, 2443790; 436837, 2443797; 436841, 2443801; 436845, 2443807; 436852, 2443819; 436861, 2443831; 436870, 2443847; 436882, 2443863; 436890, 2443877; 436900, 2443900; 436911, 2443923; 436914, 2443936; 436914, 2443948; 436913, 2443962; 436910, 2443981; 436908, 2443995; 436908, 2444013; 436911, 2444027; 436918, 2444040; 436926, 2444047; 436933, 2444055; 436942, 2444065; 436951, 2444073; 436961, 2444084; 436969, 2444094; 436975, 2444098; 436983, 2444102; 436994, 2444107; 437009, 2444108; 437026, 2444105; 437049, 2444100; 437067, 2444092; 437076, 2444089; 437106, 2444090; 437119, 2444096; 437128, 2444104; 437133, 2444112; 437137, 2444122; 437144, 2444130; 437156, 2444135; 437169, 2444141; 437183, 2444150; 437191, 2444154; 437202, 2444165; 437212, 2444177; 437228, 2444198; 437239, 2444213; 437245, 2444227; 437254, 2444239; 437263, 2444246; 437278, 2444240; 437294, 2444234; 437310, 2444225; 437332, 2444217; 437351, 2444217; 437370, 2444223; 437391, 2444223; 437412, 2444226; 437428, 2444226; 437445, 2444223; 437462, 2444219; 437482, 2444211; 437497, 2444205; 437541, 2444190; 437563, 2444183; 437578, 2444179; 437593, 2444170; 437610, 2444160; 437624, 2444146; 437636, 2444132; 437651, 2444119; 437671, 2444112; 437691, 2444102; 437703, 2444093; 437722, 2444082; 437732, 2444069; 437749, 2444061; 437758, 2444058; 437768, 2444060; 437780, 2444066; 437810, 2444080; 437821, 2444088; 437831, 2444100; 437833, 2444111; 437835, 2444126; 437833, 2444139; 437827, 2444163; 437822, 2444185; 437820, 2444206; 437818, 2444236; 437824, 2444265; 437828, 2444292; 437836, 2444314; 437843, 2444322; 437854, 2444327; 437871, 2444328; 437887, 2444323; 437909, 2444314; 437933, 2444302; 437960, 2444289; 437984, 2444274; 438007, 2444260; 438028, 2444258; 438048, 2444258; 438072, 2444260; 438087, 2444266; 438109, 2444271; 438133, 2444273; 438164, 2444270; 438196, 2444263; 438254, 2444242; 438334, 2444171; 438431, 2444207; 438595, 2444371; 438699, 2444353; 438820, 2444201; 438893, 2444079; 438881, 2443982; 438802, 2443915; 438583, 2443715; 438431, 2443605; 438273, 2443538; 438151, 2443532; 438005, 2443636; 437956, 2443684; 437622, 2443660; 437451, 2443545; 437391, 2443459; 437245, 2443374; 436959, 2443186; 436843, 2443009; 436867, 2442809; 437019, 2442657; 437026, 2442577; 437019, 2442456; 437135, 2442310; 437281, 2442225; 437403, 2442176; 437476, 2442073; 437415, 2441987; 437202, 2441921; 436946, 2441921; 436734, 2441951; 436606, 2441945; 436490, 2441854; 436405, 2441817; 436289, 2441817; 436125, 2441866; 436052, 2441866; 435997, 2441817; 435924, 2441726; 435784, 2441677; 435699, 2441617; 435693, 2441531; 435699, 2441465; 435657, 2441428; 435547, 2441428; 435401, 2441495; 435310, 2441489; 435298, 2441329; 435258, 2441222; 435245, 2441229; 435201, 2441226; 435127, 2441232; 435053, 2441251; 435010, 2441263; 434950, 2441241; 434901,

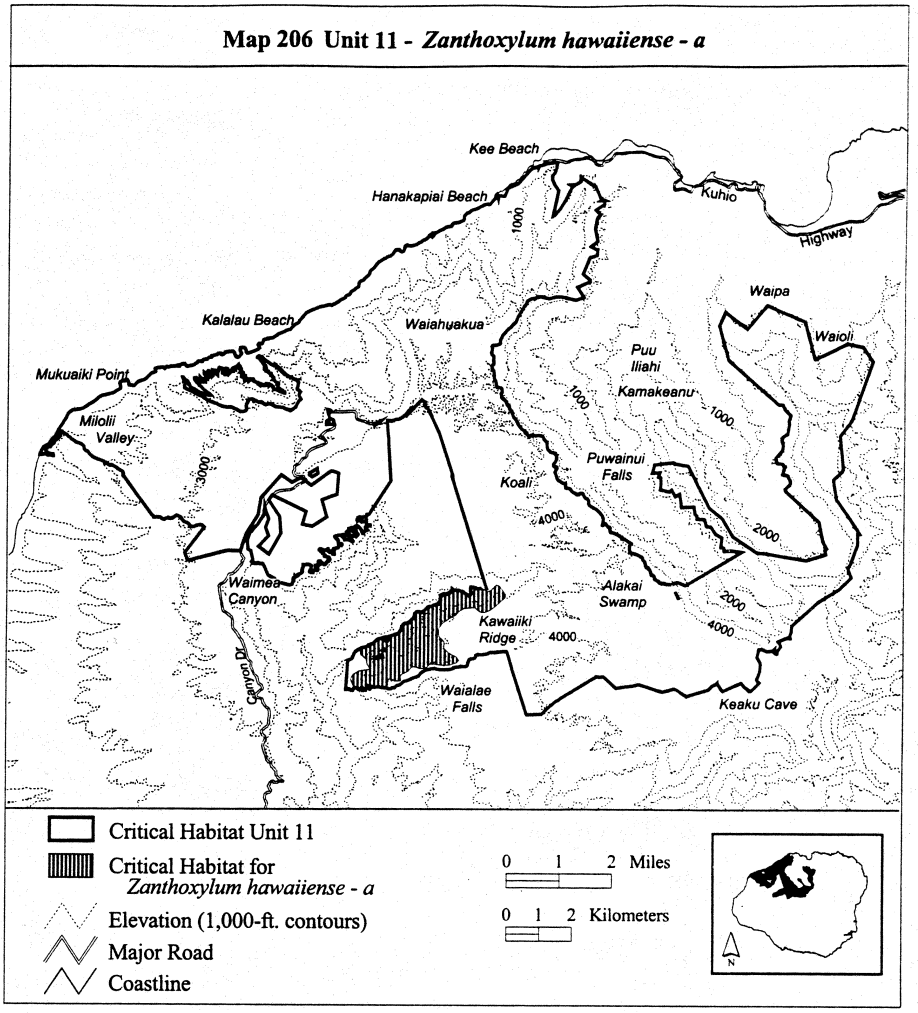
2441226; 434881, 2441230; 434867, 2441252; 434859, 2441262; 434851, 2441266; 434843, 2441266; 434811, 2441263; 434806, 2441260; 434794, 2441245; 434787, 2441223; 434779, 2441196; 434754, 2441166; 434742, 2441170; 434733, 2441191; 434717, 2441232; 434699, 2441277; 434696, 2441283; 434689, 2441286; 434676, 2441286; 434669, 2441281; 434661, 2441273; 434653, 2441254; 434641, 2441213; 434631, 2441186; 434629, 2441175; 434626, 2441167; 434615, 2441161; 434592, 2441168; 434580, 2441170; 434570, 2441168; 434563, 2441163; 434556, 2441145; 434551, 2441140; 434542, 2441137; 434538, 2441144; 434535, 2441154; 434536, 2441173; 434530, 2441201; 434523, 2441222; 434520, 2441227; 434516, 2441230; 434508, 2441229; 434501, 2441223; 434489, 2441216; 434475, 2441203; 434448, 2441190; 434424, 2441176; 434397, 2441178; 434359, 2441197; 434333, 2441217; 434325, 2441222; 434308, 2441229; 434293, 2441229; 434290, 2441228; 434233, 2441313; 434184, 2441410; 434172, 2441489; 434227, 2441617; 434409, 2441732; 434726, 2441787; 434750, 2441817; 434720, 2441872; 434671, 2441933; 434641, 2442103; 434574, 2442152; 434495, 2442219; 434476, 2442219; 434459, 2442342; 434477, 2442433; 434486, 2442437; 434504, 2442450; 434522, 2442454; 434537, 2442457; 434563, 2442460; 434590, 2442462; 434610, 2442464; 434628, 2442472; 434643, 2442483; 434664, 2442490; 434680, 2442493; 434700, 2442502; 434713, 2442515; 434725, 2442524; 434735, 2442532; 434755, 2442542; 434775, 2442551; 434800, 2442556; 434822, 2442562; 434842, 2442574; 434862, 2442596; 434883, 2442613; 434896, 2442626; 434916, 2442647; 434934, 2442668; 434949, 2442681; 434972, 2442699; 434986, 2442705; 434997, 2442708; 435006, 2442713; 435012, 2442717; 435026, 2442719; 435039, 2442722; 435061, 2442727; 435081, 2442733; 435100, 2442739; 435119, 2442747; 435135, 2442754; 435150, 2442764; 435164, 2442771; 435184, 2442774; 435201, 2442777; 435219, 2442778; 435237, 2442782; 435251, 2442783; 435228, 2442762; 435237, 2442643; 435284, 2442631; return to starting point.

(B) Excluding 2 areas:

(*1*) Bounded by the following 3 points (1 ha, 3 ac): Start at 435132, 2442248; 435160, 2442164; 434848, 2442098; return to starting point; and

(*2*) Bounded by the following 4 points (0 ha, 1 ac): Start at 435151, 2442425; 435215, 2442393; 435195, 2442353; 435128, 2442379; return to starting point.

(C) NOTE: Map 206 follows:

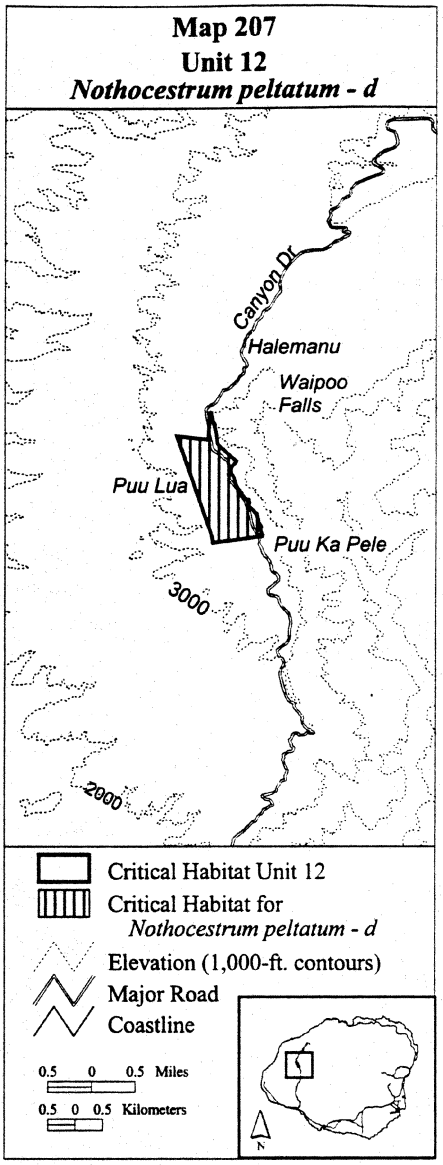


(cccxl) Kauai 12—*Nothocestrum peltatum*—d (162 ha; 400 ac)

(A) Unit consists of the following 65 boundary points: Start at 431190, 2442015; 430254, 2441884; 430238, 2442005; 429593, 2443842; 430155, 2443777; 430205, 2444275; 430214, 2444280; 430308, 2443912; 430339, 2443693; 430676, 2443374; 430654, 2443340; 430640, 2443324; 430608, 2443294; 430597, 2443274; 430587, 2443203; 430586, 2443158; 430592, 2443144; 430612, 2443121; 430634, 2443085; 430661, 2443014; 430671, 2442975; 430675, 2442949; 430682, 2442928; 430690, 2442911; 430702, 2442896; 430742, 2442852; 430777, 2442811; 430786, 2442795; 430789, 2442762; 430795, 2442751; 430844, 2442701; 430857, 2442692; 430896, 2442674; 430907, 2442665; 430914, 2442656; 430921, 2442640; 430921, 2442620; 430918, 2442601; 430912, 2442582; 430914, 2442564; 430919, 2442555; 430931, 2442541; 430947, 2442529; 430975, 2442502; 431001, 2442469; 431018, 2442445; 431030, 2442435; 431051, 2442425; 431058, 2442415; 431061, 2442389; 431068, 2442359; 431085, 2442326; 431091, 2442304; 431090, 2442285; 431094, 2442268; 431108, 2442231; 431119, 2442215; 431132, 2442205; 431142, 2442193; 431142, 2442168; 431126,

2442140; 431123, 2442121; 431130, 2442104; 431167, 2442034; 431188, 2442016; return to starting point.

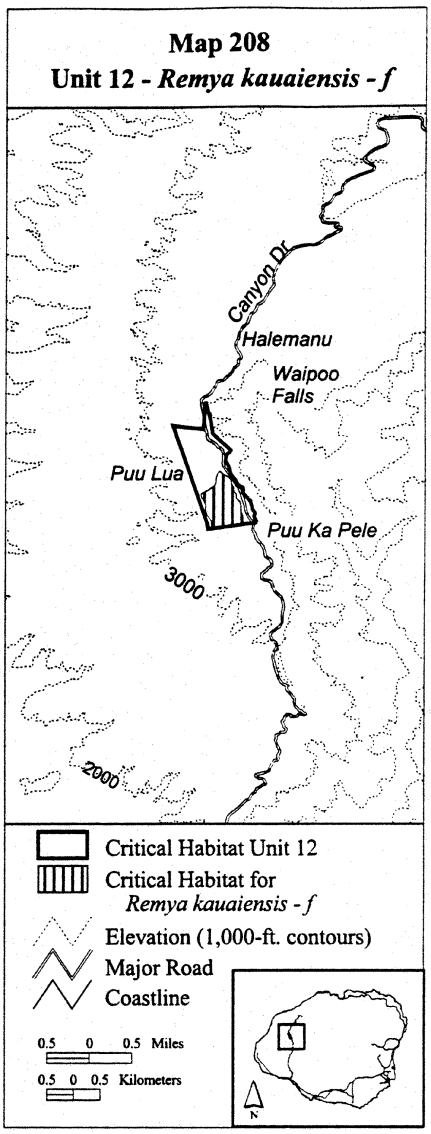
(B) NOTE: Map 207 follows:



(cccxli) Kauai 12—*Remya kauaiensis*—f (52 ha; 128 ac)

(A) Unit consists of the following 42 boundary points: Start at 430320, 2441937; 430316, 2441992; 430320, 2442046; 430290, 2442087; 430221, 2442167; 430221, 2442192; 430203, 2442243; 430214, 2442345; 430181, 2442389; 430163, 2442448; 430130, 2442480; 430119, 2442542; 430148, 2442568; 430258, 2442619; 430334, 2442666; 430382, 2442714; 430407, 2442779; 430407, 2442841; 430422, 2442911; 430458, 2442951; 430465, 2442976; 430502, 2442954; 430542, 2442911; 430608, 2442896; 430659, 2442845; 430684, 2442801; 430684, 2442754; 430695, 2442721; 430728, 2442684; 430739, 2442593; 430779, 2442550; 430783, 2442477; 430812, 2442440; 430859, 2442400; 430877, 2442313; 430881, 2442218; 430907, 2442138; 430921, 2442006; 430888, 2441992; 430699, 2441963; 430582, 2441941; 430356, 2441922; return to starting point.

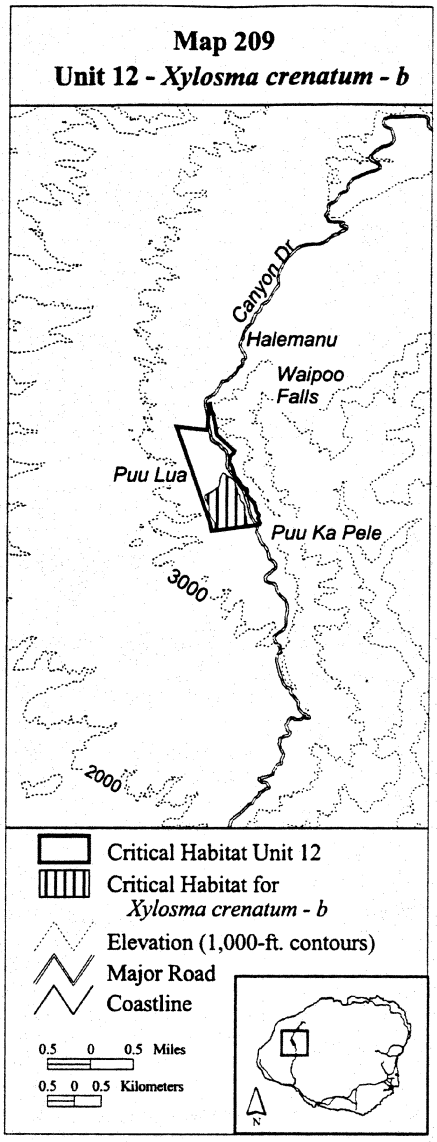
(B) NOTE: Map 208 follows:



(cccxlii) Kauai 12—*Xylosma crenatum*—b (52 ha; 128 ac)

(A) Unit consists of the following 42 boundary points: Start at 430320, 2441937; 430316, 2441992; 430320, 2442046; 430290, 2442087; 430221, 2442167; 430221, 2442192; 430203, 2442243; 430214, 2442345; 430181, 2442389; 430163, 2442448; 430130, 2442480; 430119, 2442542; 430148, 2442568; 430258, 2442619; 430334, 2442666; 430382, 2442714; 430407, 2442779; 430407, 2442841; 430422, 2442911; 430458, 2442951; 430465, 2442976; 430502, 2442954; 430542, 2442911; 430608, 2442896; 430659, 2442845; 430684, 2442801; 430684, 2442754; 430695, 2442721; 430728, 2442684; 430739, 2442593; 430779, 2442550; 430783, 2442477; 430812, 2442440; 430859, 2442400; 430877, 2442313; 430881, 2442218; 430907, 2442138; 430921, 2442006; 430888, 2441992; 430699, 2441963; 430582, 2441941; 430356, 2441922; return to starting point.

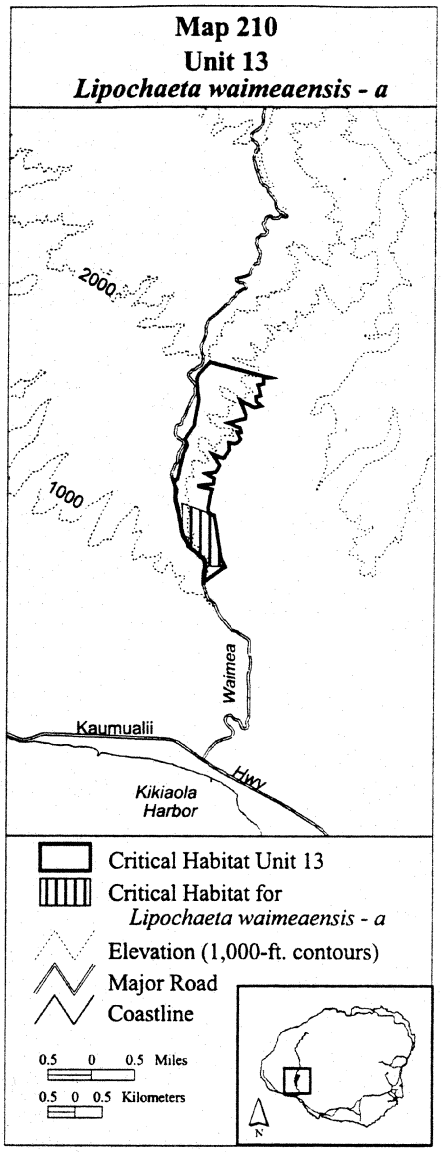
(B) NOTE: Map 209 follows:



(cccxliii) Kauai 13—*Lipochaeta waimeaensis*—a (56 ha; 139 ac)

(A) Unit consists of the following 18 boundary points: Start at 430198, 2432906; 430189, 2433035; 430229, 2433022; 430792, 2432814; 430834, 2432547; 430921, 2432026; 430997, 2431853; 430996, 2431853; 430633, 2431864; 430621, 2431947; 430622, 2431957; 430619, 2431960; 430615, 2431990; 430308, 2432247; 430317, 2432397; 430247, 2432440; 430207, 2432544; 430198, 2432716; return to starting point.

(B) NOTE: Map 210 follows:

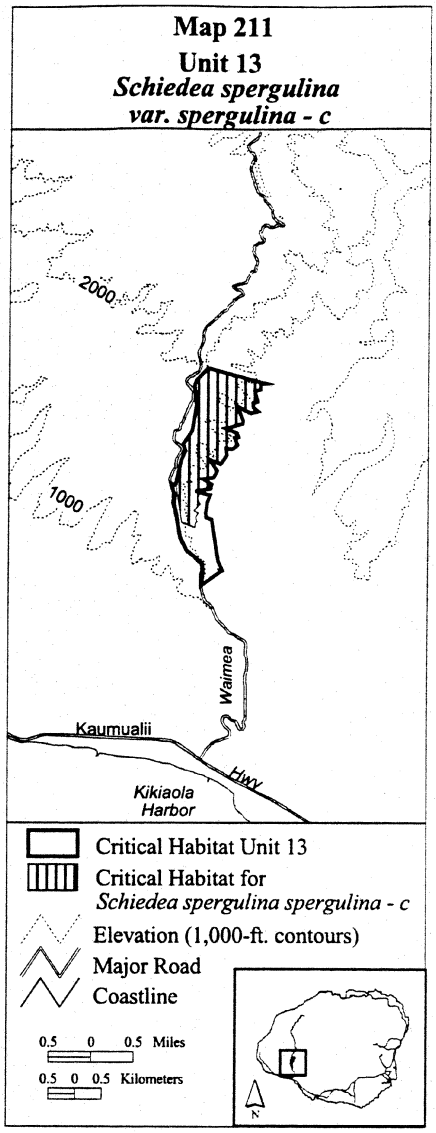


(cccxliv) Kauai 13—*Schiedea spergulina* var. *spergulina*—c (221 ha; 545 ac)

(A) Unit consists of the following 59 boundary points: Start at 430475, 2432656; 430222, 2432760; 430103, 2433479; 430210, 2433949; 430290, 2434118; 430239,

2434242; 430239, 2434243; 430259, 2434273; 430414, 2434498; 430435, 2434630; 430495, 2434992; 430479, 2435099; 430454, 2435369; 430488, 2435448; 430698, 2435675; 430703, 2435680; 431807, 2435389; 431700, 2435381; 431700, 2435274; 431600, 2435251; 431654, 2435052; 431562, 2435029; 431562, 2434945; 431661, 2434861; 431661, 2434861; 431524, 2434832; 431520, 2434828; 431263, 2434968; 431370, 2434692; 431363, 2434623; 431049, 2434539; 431256, 2434455; 431294, 2434371; 431217, 2434363; 431267, 2434228; 431236, 2434191; 431179, 2434149; 431057, 2434164; 431072, 2434034; 430969, 2433883; 430955, 2433867; 430955, 2433866; 430750, 2433950; 430892, 2433741; 430865, 2433686; 430819, 2433613; 430635, 2433582; 430789, 2433483; 430785, 2433441; 430774, 2433398; 430505, 2433360; 430544, 2433268; 430513, 2433223; 430567, 2433100; 430459, 2432985; 430536, 2432939; 430482, 2432847; 430521, 2432771; 430490, 2432756; return to starting point.

(B) NOTE: Map 211 follows:

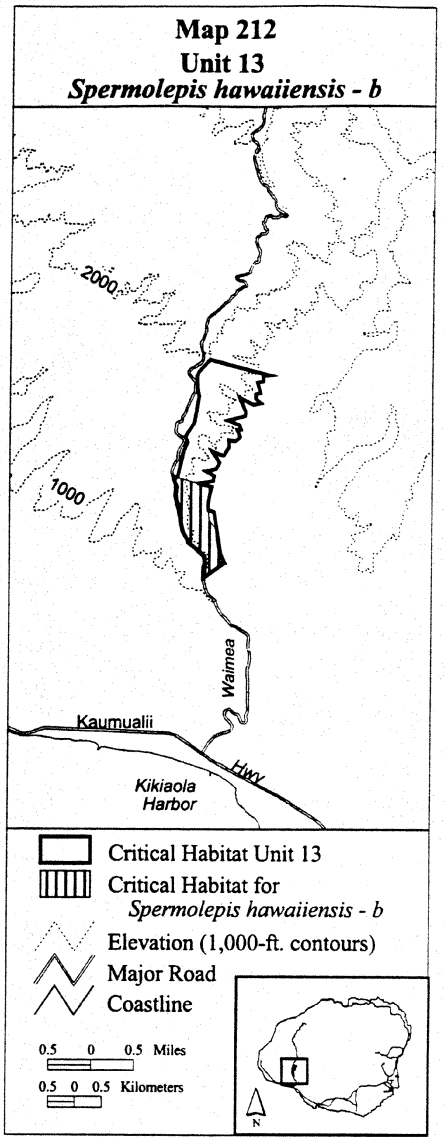


(cccxlv) Kauai 13—*Spermolepis hawaiiensis*—b (87 ha; 215 ac)

(A) Unit consists of the following 29 boundary points: Start at 430602, 2431571; 430633, 2431875; 430620, 2431939; 430622, 2431957; 430615, 2431963; 430605, 2432015; 430417, 2432156; 430304, 2432274; 430205, 2432470; 430137, 2432799; 430123, 2432906; 430115, 2432961; 430081, 2433067; 430077, 2433154; 430099, 2433286; 430054, 2433369; 430032, 2433480; 430032, 2433480;

430747, 2433285; 430743, 2433270; 430745, 2433254; 430708, 2433142; 430680, 2432935; 430698, 2432672; 430820, 2432494; 430839, 2432344; 430858, 2432156; 430952, 2431931; 430980, 2431846; return to starting point.

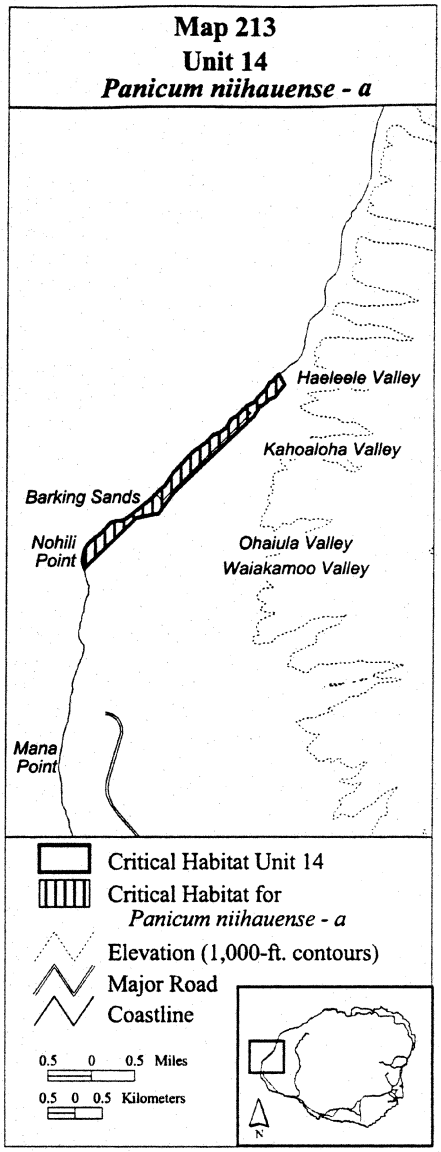
(B) NOTE: Map 212 follows:



(cccxlvi) Kauai 14—*Panicum niihauense*—a (120 ha; 297 ac)

(A) Unit consists of the following 17 boundary points: coastline; 420498, 2440857; 420095, 2440787; 419127, 2439857; 422725, 2443464; 422749, 2443432; 422830, 2443273; 422794, 2443226; 422660, 2443057; 422609, 2443018; 422557, 2443003; 422396, 2442865; 422383, 2442876; 422340, 2442802; 422337, 2442797; 422267, 2442675; 422055, 2442471; 420764, 2441227; coastline.

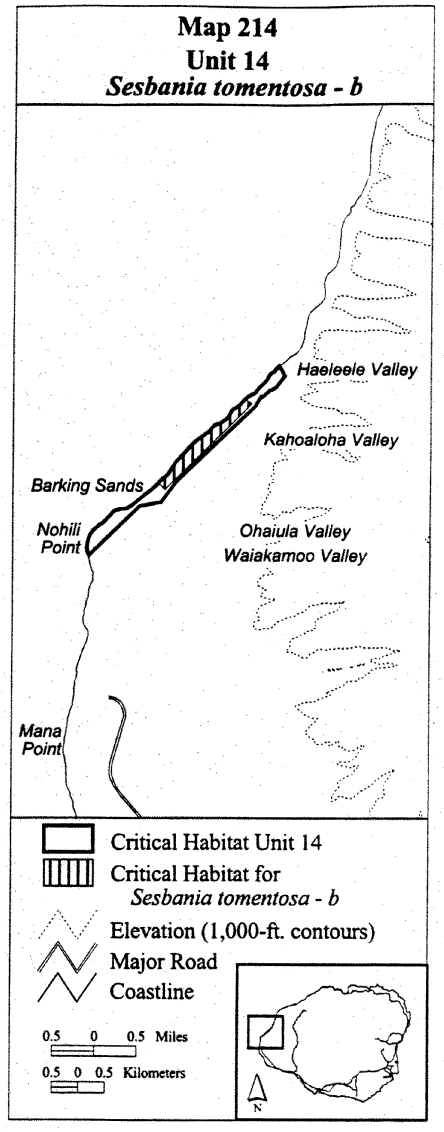
(B) NOTE: Map 213 follows:



(cccxlvii) Kauai 14—*Sesbania tomentosa*—b (44 ha; 110 ac)

(A) Unit consists of the following 7 boundary points: coastline; 422206, 2442741; 421987, 2442507; 420735, 2441277; 420643, 2441178; 420572, 2441093; 420438, 2441235; 422071, 2442818; coastline.

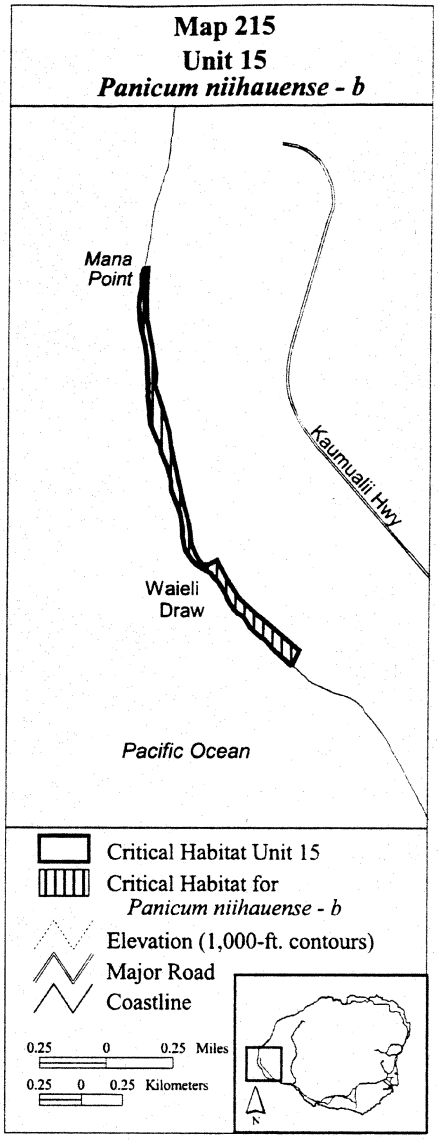
(B) NOTE: Map 214 follows:



(cccxlviii) Kauai 15—*Panicum niihauense*—b (16 ha; 39 ac)

(A) Unit consists of the following 24 boundary points: coastline; 418718, 2436405; 418711, 2436261; 418713, 2436100; 418746, 2435916; 418771, 2435768; 418763, 2435699; 418816, 2435550; 418853, 2435417; 418863, 2435329; 418904, 2435147; 418938, 2434999; 418971, 2434874; 418992, 2434737; 419022, 2434668; 419057, 2434621; 419092, 2434621; 419145, 2434647; 419209, 2434531; 419280, 2434420; 419395, 2434316; 419428, 2434292; 419645, 2434109; 419600, 2434015; 418693, 2436403 coastline.

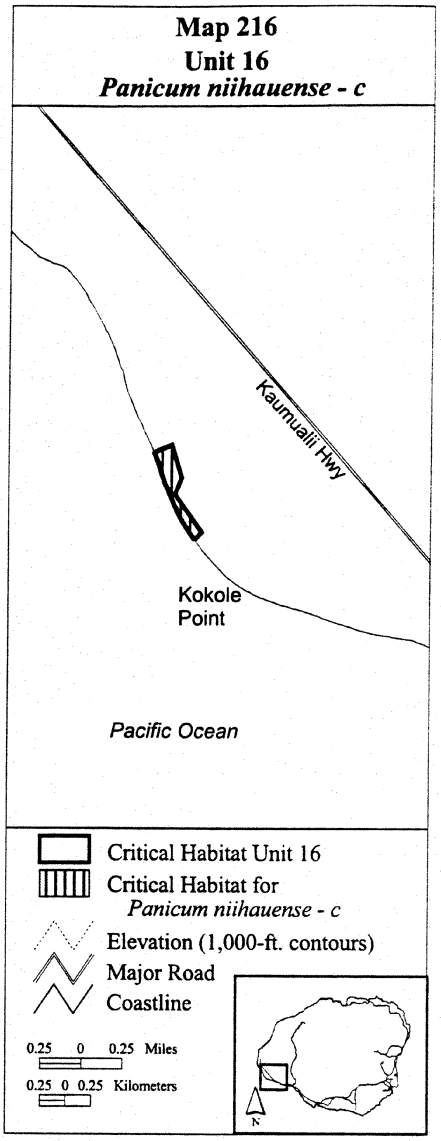
(B) NOTE: Map 215 follows:



(cccxlix) Kauai 16—*Panicum niihauense*—c (11 ha; 28 ac)

(A) Unit consists of the following 8 boundary points: coastline; 421032, 2432070; 421129, 2431750; 421067, 2431592; 421328, 2431221; 421301, 2431191; 421254, 2431147; 420862, 2431988; 420900, 2432013; coastline.

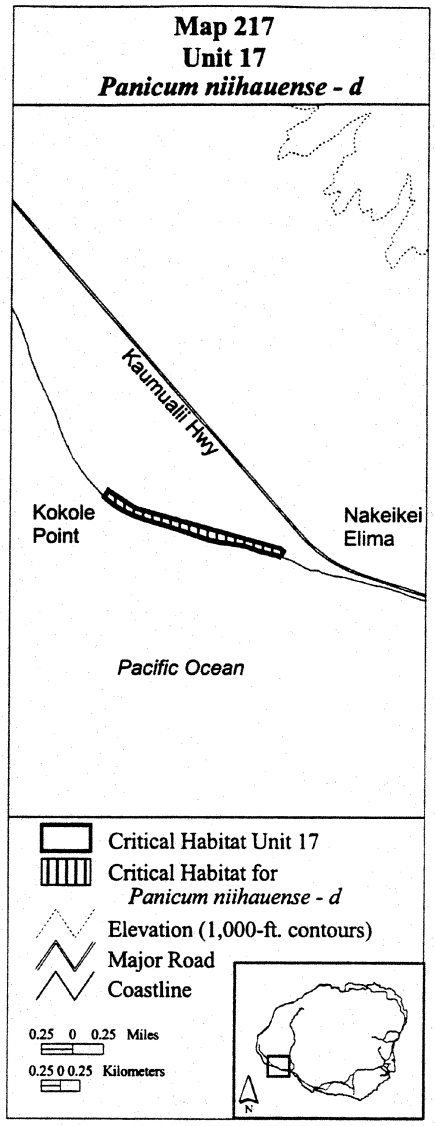
(B) NOTE: Map 216 follows:



(cccl) Kauai 17—*Panicum niihauense*—d (28 ha; 68 ac)

(A) Unit consists of the following 5 boundary points: coastline; 423847, 2430037; 423765, 2429965; 422210, 2430021; 421524, 2430758; 421555, 2430809; coastline.

(B) NOTE: Map 217 follows:



(cccli) Kauai 18—*Chamaesyce remyi* var. *kauaiensis*–f

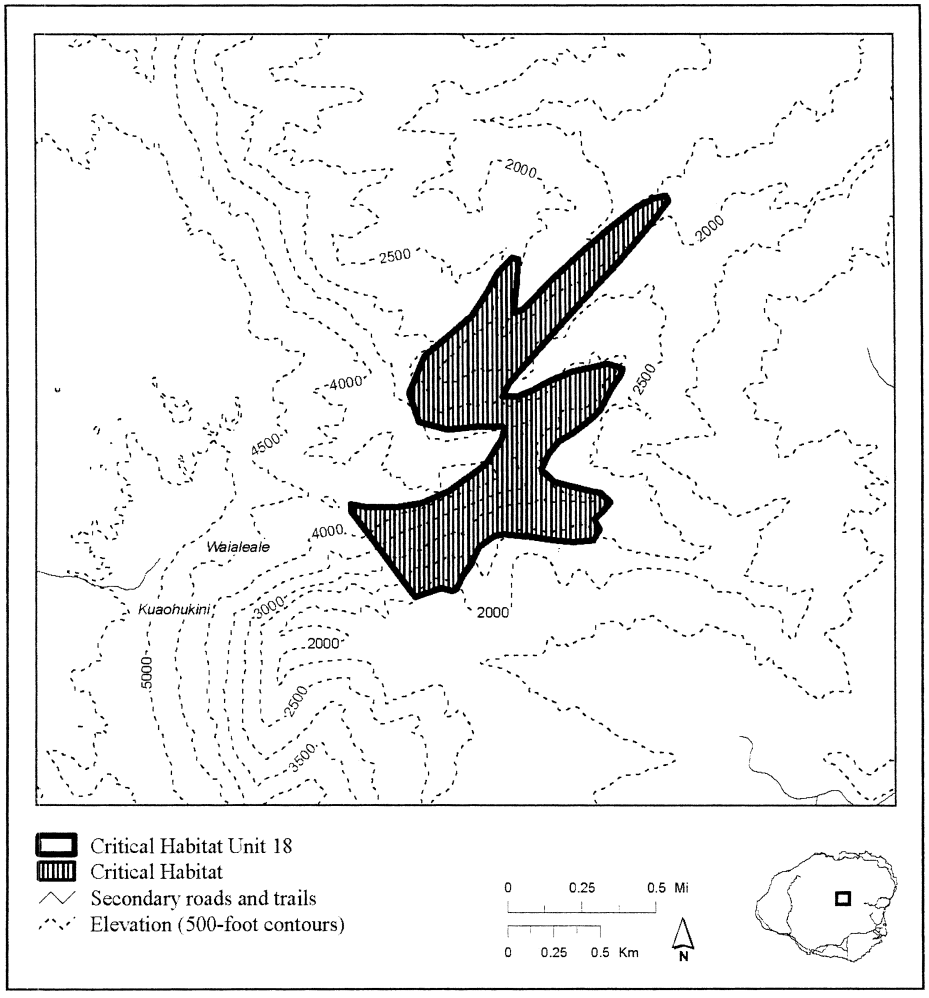
(A) This is a unit of the Wet Cliff ecosystem and consists of 296 ac (120 ha). This unit includes lands bounded by the following UTM Zone 4, NAD83 coordinates (E, N): 450192, 2441100; 450045, 2441036; 449907, 2441014; 449732, 2441017; 449661, 2441029; 449662, 2441006; 449663, 2440988; 450391, 2441245; 449861, 2440726; 450358, 2441446; 449987, 2440561; 449861, 2440726; 450478, 2441377; 450009, 2440531; 450480, 2441446; 450309, 2440710; 450188, 2441428; 450030, 2441469; 449977, 2441622; 450043, 2441776; 450987, 2441509; 450061, 2441818; 451012, 2441536; 450204, 2441935; 450313, 2442034; 450493, 2441438; 450738, 2441687; 450390, 2442146; 450854, 2441404; 450786, 2441366; 450732, 2441298; 450694, 2441214; 450762, 2441153; 450892, 2441119; 450971, 2441101; 451006, 2441096; 451065, 2441045; 451024, 2440992; 450235, 2440578; 451009, 2440898; 450036, 2440543; 450976, 2440839; 450923, 2441455; 450866, 2440829; 450759, 2440839; 450630, 2440857; 450492, 2440870; 450439, 2440863; 450352, 2440802; 450263, 2440642; 450209, 2440565; 450148, 2440581; 450981, 2440954; 450959, 2441758; 450649, 2441819; 450519, 2441677; 450483, 2441603; 450567, 2441606; 450649, 2441639; 450942, 2442140; 450855, 2441735; 450807, 2441995; 451040, 2441587; 451048, 2441778; 451104, 2441763; 451135, 2441750; 451127, 2441727; 451071, 2441643; 450459, 2442263; 451207, 2442613; 450538, 2442344; 450573, 2442334; 450550, 2442082; 450540, 2442051; 450598, 2442069; 450759, 2442234; 450927, 2442387; 451072, 2442509; 451307, 2442664; 451370, 2442679; 451385, 2442651; 451299, 2442539; 451115, 2442323; 450942, 2442140. This unit is also critical habitat for Kauai 18–*Chamaesyce remyi* var. *remyi*–k, Kauai 18–*Cyanea dolichopoda*–d, Kauai 18–*Cyrtandra oenobarba*–f, Kauai 18–*Cyrtandra paliku*–d, Kauai 18–*Dubautia plantaginea* ssp. *magnifolia*–d, Kauai 18–*Lysimachia iniki*–d, Kauai 18–*Lysimachia pendens*–d, Kauai 18–*Lysimachia venosa*–d, and Kauai 18–*Platydesma rostrata*–k (see paragraphs (a)(1)(ccclii), (a)(1)(ccliii), (a)(1)(ccliv), (a)(1)(ccclv), (a)(1)(ccclvi), (a)(1)(ccclvii), (a)(1)(ccclviii), (a)(1)(ccclix), and (a)(1)(ccclx), respectively, of this section).

(B) Note: Map 217a follows:

Map 217a

Kauai 18–*Chamaesyce remyi* var. *kauaiensis*–f, Kauai 18–*Chamaesyce remyi* var. *remyi*–k, Kauai 18–*Cyanea dolichopoda*–d, Kauai 18–*Cyrtandra oenobarba*–f, Kauai 18–*Cyrtandra paliku*–d, Kauai 18–*Dubautia plantaginea* ssp. *magnifolia*–d, Kauai 18–*Lysimachia iniki*–d, Kauai 18–*Lysimachia pendens*–d, Kauai 18–*Lysimachia venosa*–d, Kauai 18–*Platydesma rostrata*–k

Wet Cliff



(ccclii) Kauai 18–*Chamaesyce remyi* var. *remyi*–k

(A) See paragraph (a)(1)(cccli)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(cccli)(B) of this section for the map of this unit.

(ccliii) Kauai 18–*Cyanea dolichopoda*–d

(A) See paragraph (a)(1)(cccli)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(cccli)(B) of this section for the map of this unit.

(ccliv)Kauai 18–*Cyrtandra oenobarba*–f

(A) See paragraph (a)(1)(cccli)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(cccli)(B) of this section for the map of this unit.

(ccclv) Kauai 18–*Cyrtandra paliku*–d

(A) See paragraph (a)(1)(cccli)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(cccli)(B) of this section for the map of this unit.

(ccclvi) Kauai 18–*Dubautia plantaginea* ssp. *magnifolia*–d

(A) See paragraph (a)(1)(cccli)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(cccli)(B) of this section for the map of this unit.

(ccclvii) Kauai 18–*Lysimachia iniki*–d

(A) See paragraph (a)(1)(cccli)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(cccli)(B) of this section for the map of this unit.

(ccclviii) Kauai 18–*Lysimachia pendens*–d

(A) See paragraph (a)(1)(cccli)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(cccli)(B) of this section for the map of this unit.

(ccclix) Kauai 18–*Lysimachia venosa*–d

(A) See paragraph (a)(1)(cccli)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(cccli)(B) of this section for the map of this unit.

(ccclx) Kauai 18–*Platydesma rostrata*–k

(A) See paragraph (a)(1)(cccli)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(cccli)(B) of this section for the map of this unit.

(ccclxi) Kauai 19–*Chamaesyce remyi* var. *kauaiensis*–g

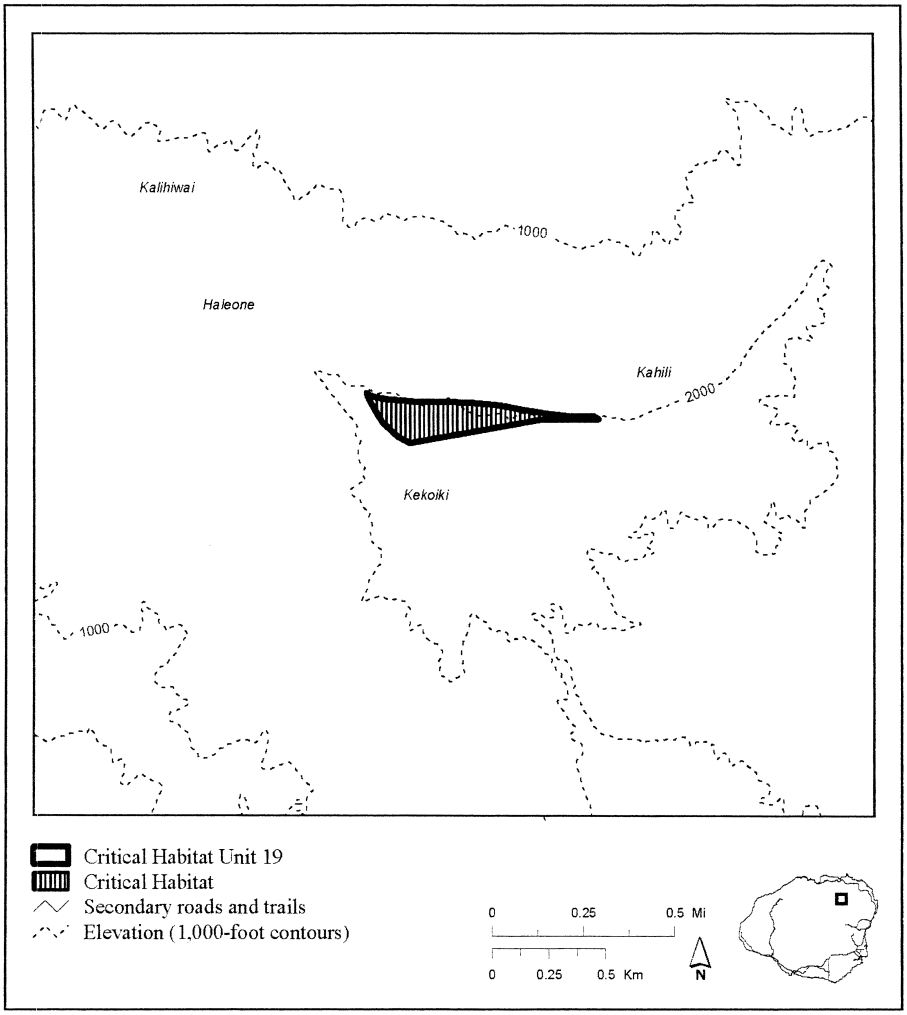
(A) This is a unit of the Wet Cliff ecosystem and consists of 23 ac (9 ha). This unit includes land bounded by the following UTM Zone 4, NAD83 coordinates (E, N): 457006, 2449562; 456297, 2449627; 456152, 2449645; 456213, 2449635; 456892, 2449577; 456297, 2449627; 456355, 2449622; 456429, 2449624; 456528, 2449621; 456587, 2449619; 456683, 2449611; 457144, 2449549; 456823, 2449588; 456116, 2449661; 457123, 2449562; 456901, 2449549; 456313, 2449442; 456256, 2449472; 456187, 2449533; 456154, 2449589; 456126, 2449635; 456742, 2449603. This unit is also critical habitat for Kauai 19–*Chamaesyce remyi* var. *remyi*–l, Kauai 19–*Cyanea dolichopoda*–e, Kauai 19–*Cyrtandra oenobarba*–g, Kauai 19–*Cyrtandra paliku*–e, Kauai 19–*Dubautia plantaginea* ssp. *magnifolia*–e, Kauai 19–*Lysimachia iniki*–e, Kauai 19–*Lysimachia pendens*–e, Kauai 19–*Lysimachia venosa*–e, and Kauai 19–*Platydesma rostrata*–l (see paragraphs (a)(1)(ccclxii), (a)(1)(ccclxiii), (a)(1)(ccclxiv), (a)(1)(ccclxv), (a)(1)(ccclxvi), (a)(1)(ccclxvii), (a)(1)(ccclxviii), (a)(1)(ccclxix), and (a)(1)(ccclxx), respectively, of this section).

(B) Note: Map 217b follows:

Map 217b

Kauai 19–*Chamaesyce remyi* var. *kauaiensis*–g, Kauai 19–*Chamaesyce remyi* var. *remyi*–l, Kauai 19–*Cyanea dolichopoda*–e, Kauai 19–*Cyrtandra oenobarba*–g, Kauai 19–*Cyrtandra paliku*–e, Kauai 19–*Dubautia plantaginea* ssp. *magnifolia*–e, Kauai 19–*Lysimachia iniki*–e, Kauai 19–*Lysimachia pendens*–e, Kauai 19–*Lysimachia venosa*–e, Kauai 19–*Platydesma rostrata*–l

Wet Cliff



(ccclxii) Kauai 19–*Chamaesyce remyi* var. *remyi*–l

(A) See paragraph (a)(1)(ccclxi)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(ccclxi)(B) of this section for the map of this unit.

(ccclxiii) Kauai 19–*Cyanea dolichopoda*–e

(A) See paragraph (a)(1)(ccclxi)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(ccclxi)(B) of this section for the map of this unit.

(ccclxiv) Kauai 19–*Cyrtandra oenobarba*–g

(A) See paragraph (a)(1)(ccclxi)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(ccclxi)(B) of this section for the map of this unit.

(ccclxv) Kauai 19–*Cyrtandra paliku*–e

(A) See paragraph (a)(1)(ccclxi)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(ccclxi)(B) of this section for the map of this unit.

(ccclxvi) Kauai 19–*Dubautia plantaginea* ssp. *magnifolia*–e

(A) See paragraph (a)(1)(ccclxi)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(ccclxi)(B) of this section for the map of this unit.

(ccclxvii) Kauai 19–*Lysimachia iniki*–e

(A) See paragraph (a)(1)(ccclxi)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(ccclxi)(B) of this section for the map of this unit.

(ccclxviii) Kauai 19–*Lysimachia pendens*–e

(A) See paragraph (a)(1)(ccclxi)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(ccclxi)(B) of this section for the map of this unit.

(ccclxix) Kauai 19–*Lysimachia venosa*–e

(A) See paragraph (a)(1)(ccclxi)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(ccclxi)(B) of this section for the map of this unit.

(ccclxx) Kauai 19–*Platydesma rostrata*–l

(A) See paragraph (a)(1)(ccclxi)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(ccclxi)(B) of this section for the map of this unit.

(ccclxxi) Kauai 20–*Chamaesyce remyi* var. *kauaiensis*–h

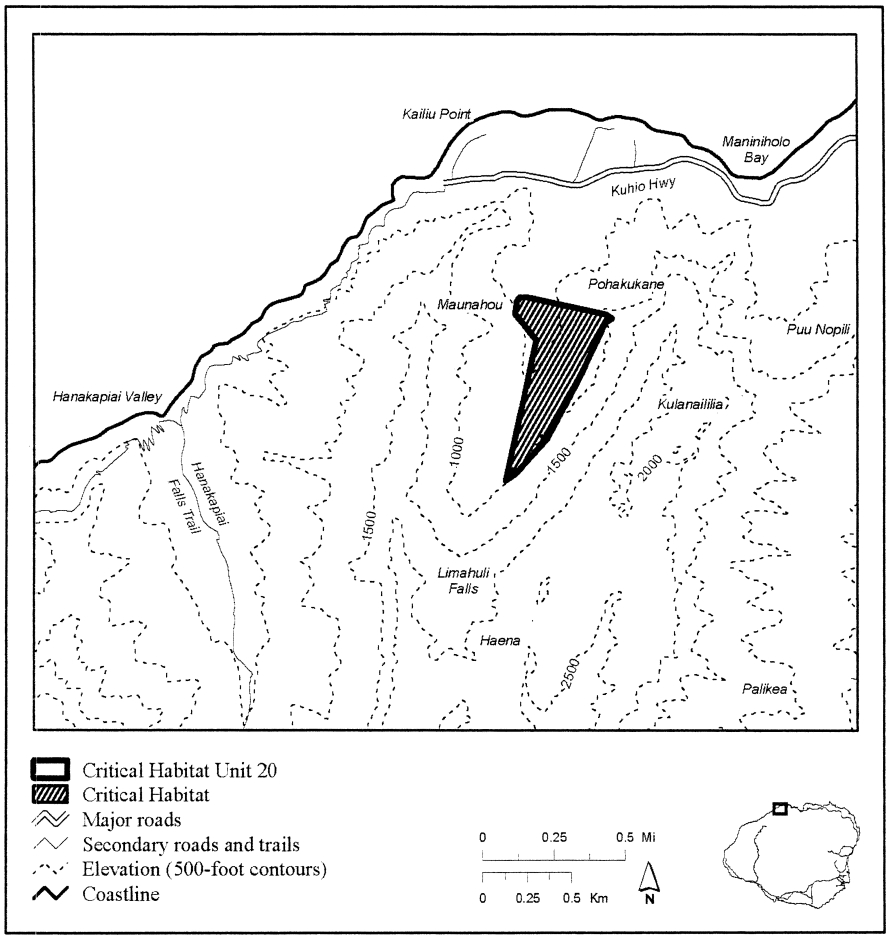
(A) This is a unit of the Lowland Wet ecosystem and consists of 65 ac (26 ha). This unit includes land bounded by the following UTM Zone 4, NAD83 coordinates (E, N): 440498, 2455883; 440674, 2456209; 440674, 2456209; 440829, 2456531; 440867, 2456555; 440834, 2456579; 440382, 2456676; 440343, 2456672; 440329, 2456652; 440319, 2456582; 440437, 2456434; 440265, 2455650; 440318, 2455684; 440318, 2455684. This unit is also critical habitat for Kauai 20–*Chamaesyce remyi* var. *remyi*–m, Kauai 20–*Charpentiera densiflora*–e, Kauai 20–*Cyanea eleeleensis*–c, Kauai 20–*Cyanea kolekoleensis*–c, Kauai 20–*Cyanea kuhihewa*–c, Kauai 20–*Cyrtandra oenobarba*–h, Kauai 20–*Dubautia imbricata* ssp. *imbricata*–c, Kauai 20–*Labordia helleri*–h, Kauai 20–*Melicope paniculata*–c, Kauai 20–*Melicope puberula*–e, Kauai 20–*Phyllostegia renovans*–e, Kauai 20–*Platydesma rostrata*–m, Kauai 20–*Stenogyne kealiae*–e, Kauai 20–*Tetraplasandra bisattenuata*–e, and Kauai 20–*Tetraplasandra flynnii*–f, (see paragraphs (a)(1)(ccclxxii), (a)(1)(ccclxxiii), (a)(1)(ccclxxiv), (a)(1)(ccclxxv), (a)(1)(ccclxxvi), (a)(1)(ccclxxvii), (a)(1)(ccclxxviii), (a)(1)(ccclxxix), (a)(1)(ccclxxx), (a)(1)(ccclxxxi), (a)(1)(ccclxxxii), (a)(1)(ccclxxxiii), (a)(1)(ccclxxxiv), (a)(1)(ccclxxxv), and (a)(1)(ccclxxxvi), respectively, of this section).

(B) Note: Map 217c follows:

Map 217c

Kauai 20–*Chamaesyce remyi* var. *kauaiensis*–h, Kauai 20–*Chamaesyce remyi* var. *remyi*–m, Kauai 20–*Charpentiera densiflora*–e, Kauai 20–*Cyanea eleeleensis*–c, Kauai 20–*Cyanea kolekoleensis*–c, Kauai 20–*Cyanea kuhihewa*–c, Kauai 20–*Cyrtandra oenobarba*–h, Kauai 20–*Dubautia imbricata* ssp. *imbricata*–c, Kauai 20–*Labordia helleri*–h, Kauai 20–*Melicope paniculata*–c, Kauai 20–*Melicope puberula*–e, Kauai 20–*Phyllostegia renovans*–e, Kauai 20–*Platydesma rostrata*–m, Kauai 20–*Stenogyne kealiae*–e, Kauai 20–*Tetraplasandra bisattenuata*–e, Kauai 20–*Tetraplasandra flynnii*–f

Lowland Wet



(ccclxxii) Kauai 20–*Chamaesyce remyi* var. *remyi*–m

(A) See paragraph (a)(1)(ccclxxi)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(ccclxxi)(B) of this section for the map of this unit.

(ccclxxiii) Kauai 20–*Charpentiera densiflora*–e

(A) See paragraph (a)(1)(ccclxxi)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(ccclxxi)(B) of this section for the map of this unit.

(ccclxxiv) Kauai 20–*Cyanea eleeleensis*–c

(A) See paragraph (a)(1)(ccclxxi)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(ccclxxi)(B) of this section for the map of this unit.

(ccclxxv) Kauai 20–*Cyanea kolekoleensis*–c

(A) See paragraph (a)(1)(ccclxxi)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(ccclxxi)(B) of this section for the map of this unit.

(ccclxxvi) Kauai 20–*Cyanea kuhihewa*–c

(A) See paragraph (a)(1)(ccclxxi)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(ccclxxi)(B) of this section for the map of this unit.

(ccclxxvii) Kauai 20–*Cyrtandra oenobarba*–h

(A) See paragraph (a)(1)(ccclxxi)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(ccclxxi)(B) of this section for the map of this unit.

(ccclxxviii) Kauai 20–*Dubautia imbricata* ssp. *imbricata*–c

(A) See paragraph (a)(1)(ccclxxi)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(ccclxxi)(B) of this section for the map of this unit.

(ccclxxix) Kauai 20–*Labordia helleri*–h

(A) See paragraph (a)(1)(ccclxxi)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(ccclxxi)(B) of this section for the map of this unit.

(ccclxxx) Kauai 20–*Melicope paniculata*–c

(A) See paragraph (a)(1)(ccclxxi)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(ccclxxi)(B) of this section for the map of this unit.

(ccclxxxi) Kauai 20–*Melicope puberula*–e

(A) See paragraph (a)(1)(ccclxxi)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(ccclxxi)(B) of this section for the map of this unit.

(ccclxxxii) Kauai 20–*Phyllostegia renovans*–e

(A) See paragraph (a)(1)(ccclxxi)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(ccclxxi)(B) of this section for the map of this unit.

(ccclxxxiii) Kauai 20–*Platydesma rostrata*–m

(A) See paragraph (a)(1)(ccclxxi)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(ccclxxi)(B) of this section for the map of this unit.

(ccclxxxiv) Kauai 20–*Stenogyne kealiae*–e

(A) See paragraph (a)(1)(ccclxxi)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(ccclxxi)(B) of this section for the map of this unit.

(ccclxxxv) Kauai 20–*Tetraplasandra bisattenuata*–e

(A) See paragraph (a)(1)(ccclxxi)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(ccclxxi)(B) of this section for the map of this unit.

(ccclxxxvi) Kauai 20–*Tetraplasandra flynnii*–f

(A) See paragraph (a)(1)(ccclxxi)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(ccclxxi)(B) of this section for the map of this unit.

(ccclxxxvii) Kauai 21–*Chamaesyce remyi* var. *remyi*–n

(A) This is a unit of the Montane Mesic ecosystem and consists of 8 ac (3 ha). This unit includes land bounded by the following UTM Zone 4, NAD83 coordinates (E, N): 431626, 2445435; 432001, 2445941; 431736, 2445617; 432001, 2445941; 431645, 2445326. This unit is also critical habitat for Kauai 21–*Diellia mannii*–b, Kauai 21–*Labordia helleri*–i, Kauai 21–*Myrsine knudsenii*–b, Kauai 21–*Myrsine mezii*–d, Kauai 21–*Platydesma rostrata*–n, Kauai 21–*Psychotria grandiflora*–d, Kauai 21–*Stenogyne kealiae*–f, and Kauai 21–*Tetraplasandra flynnii*–g (see paragraphs (a)(1)(ccclxxxviii), (a)(1)(ccclxxxix), (a)(1)(cccxc), (a)(1)(cccxci), (a)(1)(cccxcii),

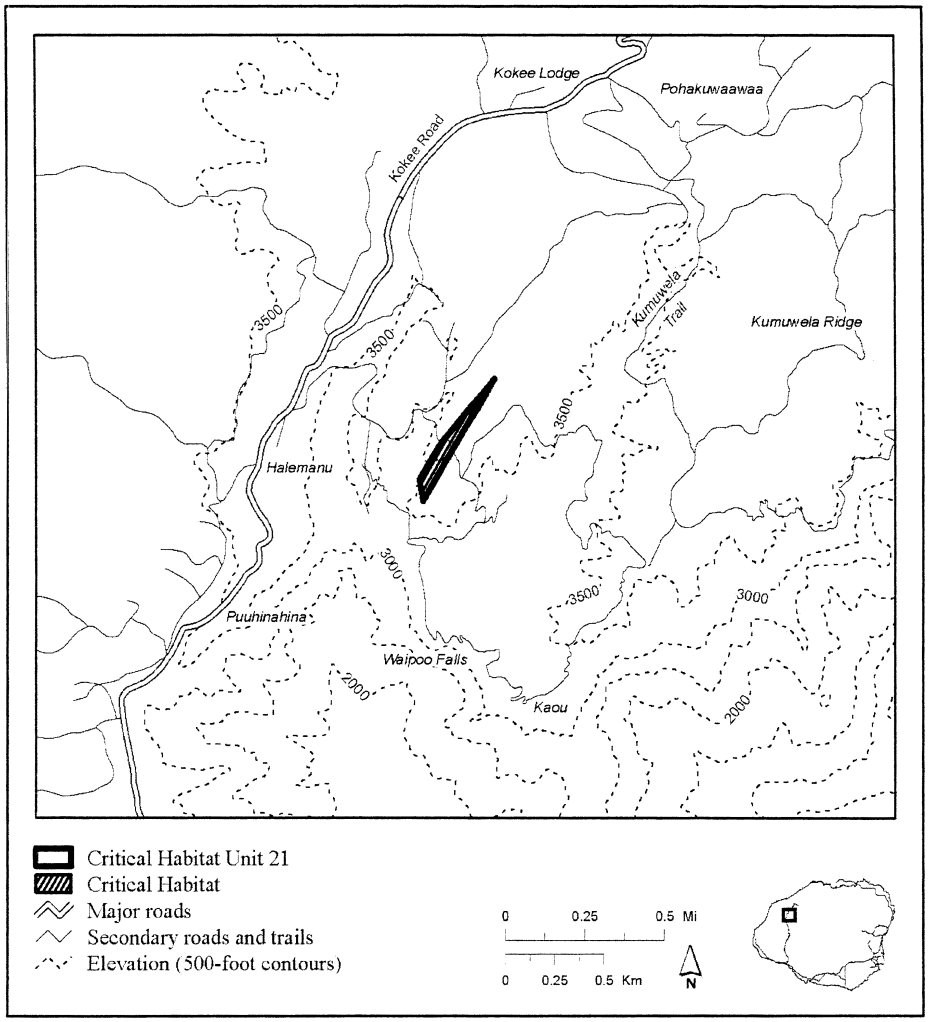
(a)(1)(cccxciii), (a)(1)(cccxciv), and (a)(1)(cccxcv), respectively, of this section).

(B) Note: Map 217d follows:

Map 217d

Kauai 21–*Chamaesyce remyi* var. *remyi*–n, Kauai 21–*Diellia mannii*–b, Kauai 21–*Labordia helleri*–i, Kauai 21 –*Myrsine knudsenii*–b, Kauai 21–*Myrsine mezii*–d, Kauai 21–*Platydesma rostrata*–n, Kauai 21–*Psychotria grandiflora*–d, Kauai 21–*Stenogyne kealiae*–f, Kauai 21–*Tetraplasandra flynnii*–g

Montane Mesic



(ccclxxxviii) Kauai 21–*Diellia mannii*–b

(A) See paragraph (a)(1)(ccclxxxvii)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(ccclxxxvii)(B) of this section for the map of this unit.

(ccclxxxix) Kauai 21–*Labordia helleri*–i

(A) See paragraph (a)(1)(ccclxxxvii)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(ccclxxxvii)(B) of this section for the map of this unit.

(cccxc) Kauai 21–*Myrsine knudsenii*–b

(A) See paragraph (a)(1)(ccclxxxvii)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(ccclxxxvii)(B) of this section for the map of this unit.

(cccxci) Kauai 21–*Myrsine mezii*–d

(A) See paragraph (a)(1)(ccclxxxvii)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(ccclxxxvii)(B) of this section for the map of this unit.

(cccxcii) Kauai 21–*Platydesma rostrata*–o

(A) See paragraph (a)(1)(ccclxxxvii)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(ccclxxxvii)(B) of this section for the map of this unit.

(cccxciii) Kauai 21–*Psychotria grandiflora*–d

(A) See paragraph (a)(1)(ccclxxxvii)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(ccclxxxvii)(B) of this section for the map of this unit.

(cccxciv) Kauai 21–*Stenogyne kealiae*–f

(A) See paragraph (a)(1)(ccclxxxvii)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(ccclxxxvii)(B) of this section for the map of this unit.

(cccxcv) Kauai 21–*Tetraplasandra flynnii*–g

(A) See paragraph (a)(1)(ccclxxxvii)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(ccclxxxvii)(B) of this section for the map of this unit.

(cccxcvi) Kauai 22–*Chamaesyce remyi* var. *remyi*–o

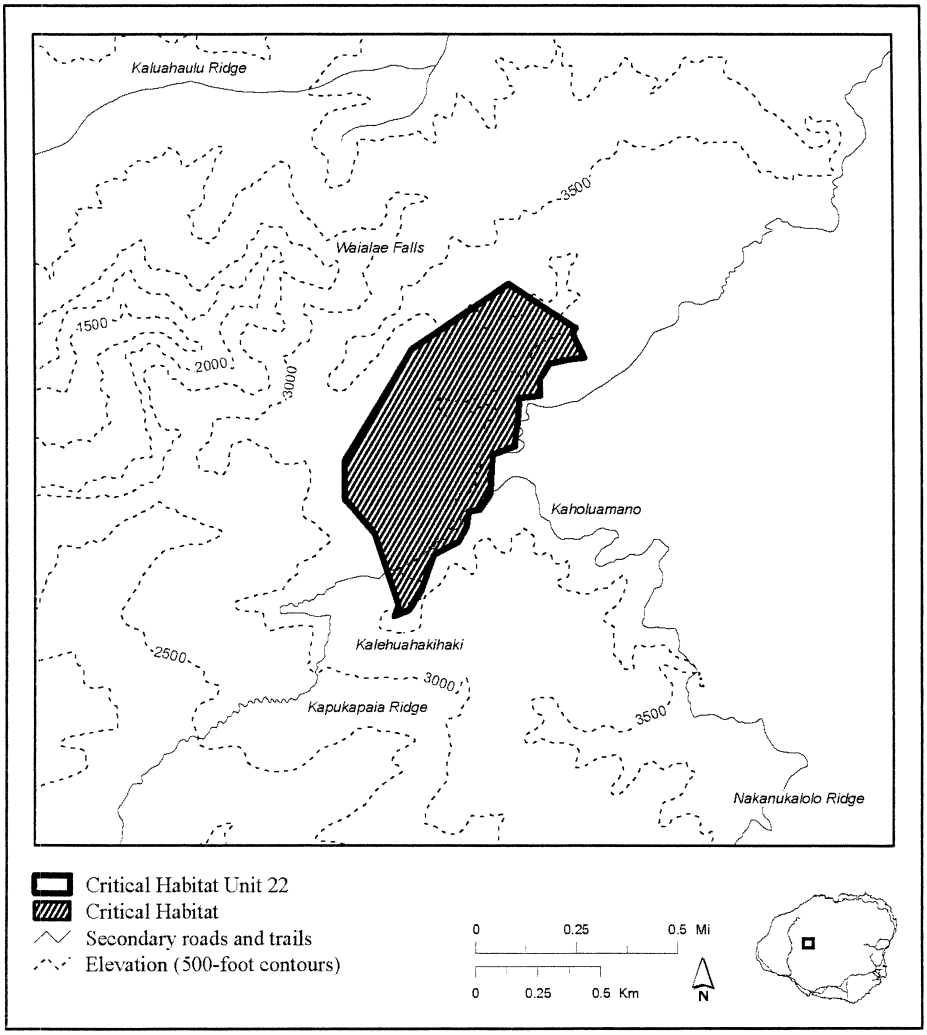
(A) This is a unit of the Montane Mesic ecosystem and consists of 139 ac (56 ha). This unit includes land bounded by the following UTM Zone 4, NAD83 coordinates (E, N): 438012, 2440389; 437687, 2439960; 438227, 2440730; 438149, 2440714; 438111, 2440652; 438112, 2440588; 438028, 2440577; 438243, 2440830; 438014, 2440437; 438253, 2440854; 437922, 2440355; 437912, 2440201; 437870, 2440140; 437827, 2440132; 437817, 2440071; 437785, 2440013; 438023, 2440484; 437335, 2440180; 437586, 2439743; 437636, 2439819; 437586, 2439743; 437529, 2439721; 438287, 2440738; 437450, 2440047; 437335, 2440329; 437336, 2440335; 437602, 2440771; 437987, 2441027; 438159, 2440914; 438249, 2440857; 437545, 2439761. This unit is also critical habitat for Kauai 22–*Diellia mannii*–c, Kauai 22–*Labordia helleri*–j, Kauai 22–*Myrsine knudsenii*–c, Kauai 22–*Myrsine mezii*–e, Kauai 22–*Platydesma rostrata*–o, Kauai 22–*Psychotria grandiflora*–e, Kauai 22–*Stenogyne kealiae*–g, and Kauai 22–*Tetraplasandra flynnii*–h (see paragraphs (a)(1)(cccxcvii), (a)(1)(cccxcviii), (a)(1)(cccxcix), (a)(1)(cd), (a)(1)(cdi), (a)(1)(cdii), (a)(1)(cdiii), and (a)(1)(cdiv), respectively, of this section).

(B) Note: Map 217e follows:

Map 217e

Kauai 22–*Chamaesyce remyi* var. *remyi*–o, Kauai 22–*Diellia mannii*–c, Kauai 22–*Labordia helleri*–j, Kauai 22–*Myrsine knudsenii*–c, Kauai 22–*Myrsine mezii*–e, Kauai 22–*Platydesma rostrata*–o, Kauai 22–*Psychotria grandiflora*–e, Kauai 22–*Stenogyne kealiae*–g, Kauai 22–*Tetraplasandra flynnii*–h

Montane Mesic



(cccxcvii) Kauai 22–*Diellia mannii*–c

(A) See paragraph (a)(1)(cccxcvi)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(cccxcvi)(B) of this section for the map of this unit.

(cccxcviii) Kauai 22–*Labordia helleri*–j

(A) See paragraph (a)(1)(cccxcvi)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(cccxcvi)(B) of this section for the map of this unit.

(cccxcix) Kauai 22–*Myrsine knudsenii*–c

(A) See paragraph (a)(1)(cccxcvi)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(cccxcvi)(B) of this section for the map of this unit.

(cd) Kauai 22–*Myrsine mezii*–e

(A) See paragraph (a)(1)(cccxcvi)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(cccxcvi)(B) of this section for the map of this unit.

(cdi) Kauai 22–*Platydesma rostrata*–o

(A) See paragraph (a)(1)(cccxcvi)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(cccxcvi)(B) of this section for the map of this unit.

(cdii) Kauai 22–*Psychotria grandiflora*–e

(A) See paragraph (a)(1)(cccxcvi)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(cccxcvi)(B) of this section for the map of this unit.

(cdiii) Kauai 22–*Stenogyne kealiae*–g

(A) See paragraph (a)(1)(cccxcvi)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(cccxcvi)(B) of this section for the map of this unit.

(cdiv) Kauai 22–*Tetraplasandra flynnii*–h

(A) See paragraph (a)(1)(cccxcvi)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(cccxcvi)(B) of this section for the map of this unit.

(cdv) Kauai 23–*Astelia waialealae*–c

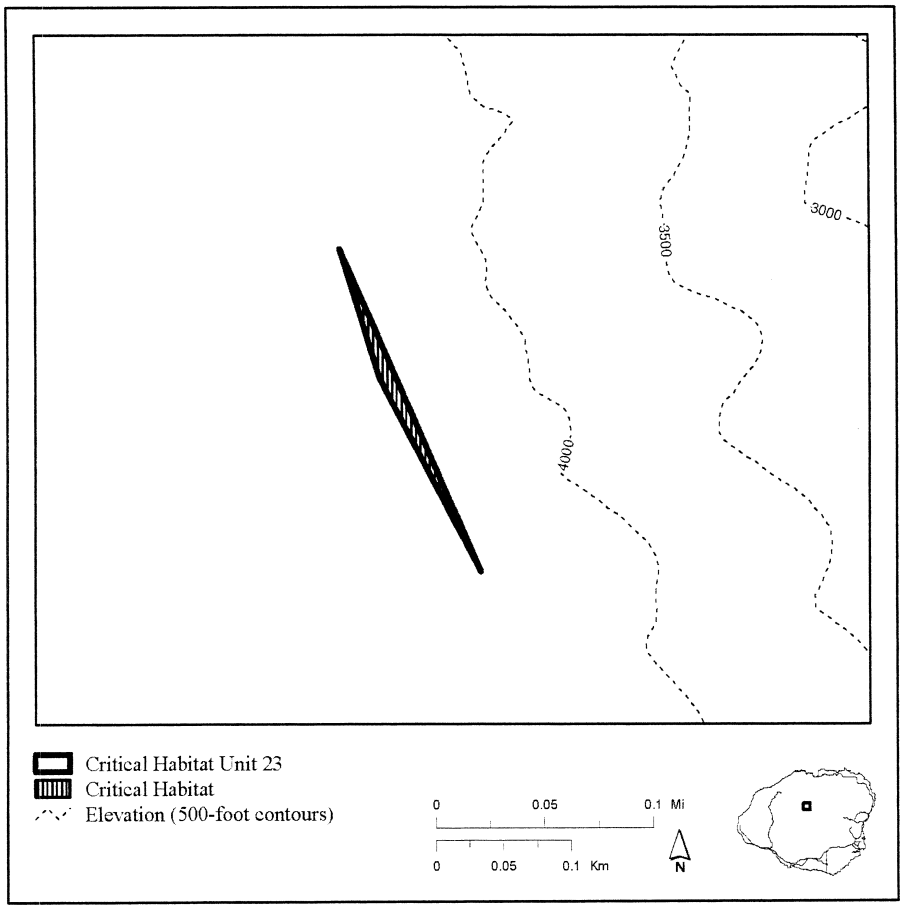
(A) This is a unit of the Montane Wet ecosystem and consists of 0.4 ac (0.2 ha). This unit includes land bounded by the following UTM Zone 4, NAD83 coordinates (E, N): 444193, 2443965; 444088, 2444202; 444117, 2444107; 444088, 2444202. This unit is also critical habitat for Kauai 23–*Chamaesyce remyi* var. *remyi*–p, Kauai 23–*Dryopteris crinalis* var. *podosorus*–c, Kauai 23–*Dubautia kalalauensis*–c, Kauai 23–*Dubautia waialealae*–c, Kauai 23–*Geranium kauaiense*–c, Kauai 23–*Keysseria erici*–c, Kauai 23–*Keysseria helenae*–c, Kauai 23–*Labordia helleri*–k, Kauai 23–*Labordia pumila*–c, Kauai 23–*Lysimachia daphnoides*–c, Kauai 23–*Melicope degeneri*–c, Kauai 23–*Melicope puberula*–f, Kauai 23–*Myrsine mezii*–f, Kauai 23–*Phyllostegia renovans*–f, Kauai 23–*Platydesma rostrata*–p, Kauai 23–*Psychotria grandiflora*–f, and Kauai 23–*Tetraplasandra flynnii*–i (see paragraphs (a)(1)(cdvi), (a)(1)(cdvii), (a)(1)(cdviii), (a)(1)(cdix), (a)(1)(cdx), (a)(1)(cdxi), (a)(1)(cdxii), (a)(1)(cdxiii), (a)(1)(cdxiv), (a)(1)(cdxv), (a)(1)(cdxvi), (a)(1)(cdxvii), (a)(1)(cdxviii), (a)(1)(cdxix), (a)(1)(cdxx), (a)(1)(cdxxi), and (a)(1)(cdxxii), respectively, of this section).

(B) Note: Map 217f follows:

Map 217f

Kauai 23–*Astelia waialealae*–c, Kauai 23–*Chamaesyce remyi* var. *remyi*–p, Kauai 23–*Dryopteris crinalis* var. *podosorus*–c, Kauai 23–*Dubautia kalalauensis*–c, Kauai 23–*Dubautia waialealae*–c, Kauai 23–*Geranium kauaiense*–c, Kauai 23–*Keysseria erici*–c, Kauai 23–*Keysseria helenae*–c, Kauai 23–*Labordia helleri*–k, Kauai 23–*Labordia pumila*–c, Kauai 23–*Lysimachia daphnoides*–c, Kauai 23–*Melicope degeneri*–c, Kauai 23–*Melicope puberula*–f, Kauai 23–*Myrsine mezii*–f, Kauai 23–*Phyllostegia renovans*–f, Kauai 23–*Platydesma rostrata*–p, Kauai 23–*Psychotria grandiflora*–f, Kauai 23–*Tetraplasandra flynnii*–i

Montane Wet



(cdvi) Kauai 23–*Chamaesyce remyi* var. *remyi*–p

(A) See paragraph (a)(1)(cdv)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(cdv)(B) of this section for the map of this unit.

(cdvii) Kauai 23–*Dryopteris crinalis* var. *podosorus*–c

(A) See paragraph (a)(1)(cdv)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(cdv)(B) of this section for the map of this unit.

(cdviii) Kauai 23–*Dubautia kalalauensis*–c

(A) See paragraph (a)(1)(cdv)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(cdv)(B) of this section for the map of this unit.

(cdix) Kauai 23–*Dubautia waialealae*–c

(A) See paragraph (a)(1)(cdv)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(cdv)(B) of this section for the map of this unit.

(cdx) Kauai 23–*Geranium kauaiense*–c

(A) See paragraph (a)(1)(cdv)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(cdv)(B) of this section for the map of this unit.

(cdxi) Kauai 23–*Keysseria erici*–c

(A) See paragraph (a)(1)(cdv)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(cdv)(B) of this section for the map of this unit.

(cdxii) Kauai 23–*Keysseria helenae*–c

(A) See paragraph (a)(1)(cdv)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(cdv)(B) of this section for the map of this unit.

(cdxiii) Kauai 23–*Labordia helleri*–k

(A) See paragraph (a)(1)(cdv)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(cdv)(B) of this section for the map of this unit.

(cdxiv) Kauai 23–*Labordia pumila*–c

(A) See paragraph (a)(1)(cdv)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(cdv)(B) of this section for the map of this unit.

(cdxv) Kauai 23–*Lysimachia daphnoides*–c

(A) See paragraph (a)(1)(cdv)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(cdv)(B) of this section for the map of this unit.

(cdxvi) Kauai 23–*Melicope degeneri*–c

(A) See paragraph (a)(1)(cdv)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(cdv)(B) of this section for the map of this unit.

(cdxvii) Kauai 23–*Melicope puberula*–f

(A) See paragraph (a)(1)(cdv)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(cdv)(B) of this section for the map of this unit.

(cdxviii) Kauai 23–*Myrsine mezii*–f

(A) See paragraph (a)(1)(cdv)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(cdv)(B) of this section for the map of this unit.

(cdxix) Kauai 23–*Phyllostegia renovans*–f

(A) See paragraph (a)(1)(cdv)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(cdv)(B) of this section for the map of this unit.

(cdxx) Kauai 23–*Platydesma rostrata*–p

(A) See paragraph (a)(1)(cdv)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(cdv)(B) of this section for the map of this unit.

(cdxxi) Kauai 23–*Psychotria grandiflora*–f

(A) See paragraph (a)(1)(cdv)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(cdv)(B) of this section for the map of this unit.

(cdxxii) Kauai 23–*Tetraplasandra flynnii*–i

(A) See paragraph (a)(1)(cdv)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(cdv)(B) of this section for the map of this unit.

(cdxxiii) Kauai 24–*Astelia waialealae*–d

(A) This is a unit of the Montane Wet ecosystem and consists of 0.04 ac (0.01 ha). This unit includes land bounded by the following UTM Zone 4, NAD83 coordinates (E, N): 445955, 2442594; 445955, 2442594; 445951, 2442593; 445907, 2442657. This unit is also critical habitat for Kauai 24–*Chamaesyce remyi* var. *remyi*–q, Kauai 24–*Dryopteris crinalis* var. *podosorus*–d, Kauai 24–*Dubautia kalalauensis*–d, Kauai 24–*Dubautia waialealae*–d, Kauai 24–*Geranium kauaiense*–d, Kauai 24–*Keysseria erici*–d,

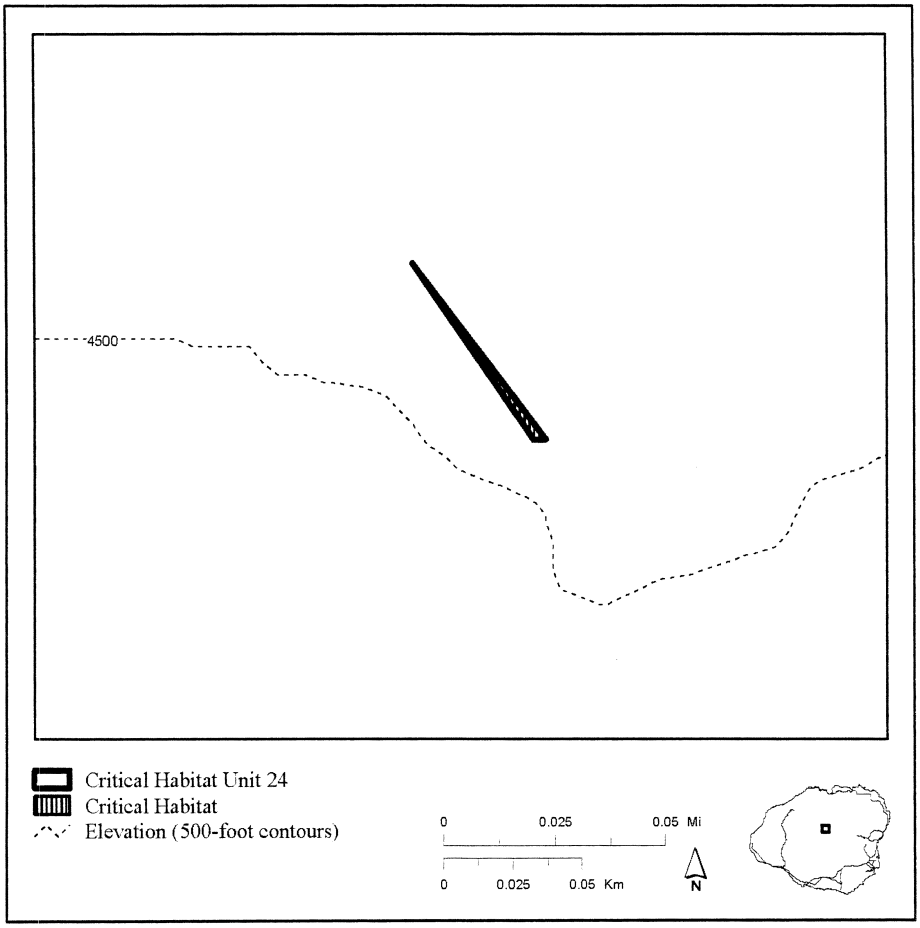
Kauai 24–*Keysseria helenae*–d, Kauai 24–*Labordia helleri*–l, Kauai 24–*Labordia pumila*–d, Kauai 24–*Lysimachia daphnoides*–d, Kauai 24–*Melicope degeneri*–d, Kauai 24–*Melicope puberula*–g, Kauai 24–*Myrsine mezii*–g, Kauai 24–*Phyllostegia renovans*–g, Kauai 24–*Platydesma rostrata*–q, Kauai 24–*Psychotria grandiflora*–g, and Kauai 24–*Tetraplasandra flynnii*–j (see paragraphs (a)(1)(cdxxiv), (a)(1)(cdxxv), (a)(1)(cdxxvi), (a)(1)(cdxxvii), (a)(1)(cdxxviii), (a)(1)(cdxxix), (a)(1)(cdxxx), (a)(1)(cdxxxi), (a)(1)(cdxxxii), (a)(1)(cdxxxiii), (a)(1)(cdxxxiv), (a)(1)(cdxxxv), (a)(1)(cdxxxvi), (a)(1)(cdxxxvii), (a)(1)(cdxxxviii), (a)(1)(cdxxxix), and (a)(1)(cdxl), respectively, of this section).

(B) Note: Map 217g follows:

Map 217g

Kauai 24–*Astelia waialealae*–d, Kauai 24–*Chamaesyce remyi* var. *remyi*–q, Kauai 24–*Dryopteris crinalis* var. *podosorus*–d, Kauai 24–*Dubautia kalalauensis*–d, Kauai 24–*Dubautia waialealae*–d, Kauai 24–*Geranium kauaiense*–d, Kauai 24–*Keysseria erici*–d, Kauai 24–*Keysseria helenae*–d, Kauai 24–*Labordia helleri*–l, Kauai 24–*Labordia pumila*–d, Kauai 24–*Lysimachia daphnoides*–d, Kauai 24–*Melicope degeneri*–d, Kauai 24–*Melicope puberula*–g, Kauai 24–*Myrsine mezii*–g, Kauai 24–*Phyllostegia renovans*–g, Kauai 24–*Platydesma rostrata*–q, Kauai 24–*Psychotria grandiflora*–g, Kauai 24–*Tetraplasandra flynnii*–j

Montane Wet



(cdxxiv) Kauai 24–*Chamaesyce remyi* var. *remyi*–q

(A) See paragraph (a)(1)(cdxxiii)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(cdxxiii)(B) of this section for the map of this unit.

(cdxxv) Kauai 24–*Dryopteris crinalis* var. *podosorus*–d

(A) See paragraph (a)(1)(cdxxiii)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(cdxxiii)(B) of this section for the map of this unit.

(cdxxvi) Kauai 24–*Dubautia kalalauensis*–d

(A) See paragraph (a)(1)(cdxxiii)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(cdxxiii)(B) of this section for the map of this unit.

(cdxxvii) Kauai 24–*Dubautia waialealae*–d

(A) See paragraph (a)(1)(cdxxiii)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(cdxxiii)(B) of this section for the map of this unit.

(cdxxviii) Kauai 24–*Geranium kauaiense*–e

(A) See paragraph (a)(1)(cdxxiii)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(cdxxiii)(B) of this section for the map of this unit.

(cdxxix) Kauai 24–*Keysseria erici*–d

(A) See paragraph (a)(1)(cdxxiii)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(cdxxiii)(B) of this section for the map of this unit.

(cdxxx) Kauai 24–*Keysseria helenae*–d

(A) See paragraph (a)(1)(cdxxiii)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(cdxxiii)(B) of this section for the map of this unit.

(cdxxxi) Kauai 24–*Labordia helleri*–l

(A) See paragraph (a)(1)(cdxxiii)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(cdxxiii)(B) of this section for the map of this unit.

(cdxxxii) Kauai 24–*Labordia pumila*–d

(A) See paragraph (a)(1)(cdxxiii)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(cdxxiii)(B) of this section for the map of this unit.

(cdxxxiii) Kauai 24–*Lysimachia daphnoides*–d

(A) See paragraph (a)(1)(cdxxiii)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(cdxxiii)(B) of this section for the map of this unit.

(cdxxxiv) Kauai 24–*Melicope degeneri*–d

(A) See paragraph (a)(1)(cdxxiii)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(cdxxiii)(B) of this section for the map of this unit.

(cdxxxv) Kauai 24–*Melicope puberula*–g

(A) See paragraph (a)(1)(cdxxiii)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(cdxxiii)(B) of this section for the map of this unit.

(cdxxxvi) Kauai 24–*Myrsine mezii*–g

(A) See paragraph (a)(1)(cdxxiii)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(cdxxiii)(B) of this section for the map of this unit.

(cdxxxvii) Kauai 24–*Phyllostegia renovans*–g

(A) See paragraph (a)(1)(cdxxiii)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(cdxxiii)(B) of this section for the map of this unit.

(cdxxxviii) Kauai 24–*Platydesma rostrata*–q

(A) See paragraph (a)(1)(cdxxiii)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(cdxxiii)(B) of this section for the map of this unit.

(cdxxxix) Kauai 24–*Psychotria grandiflora*–g

(A) See paragraph (a)(1)(cdxxiii)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(cdxxiii)(B) of this section for the map of this unit.

(cdxl) Kauai 24–*Tetraplasandra flynnii*–j

(A) See paragraph (a)(1)(cdxxiii)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(cdxxiii)(B) of this section for the map of this unit.

(cdxli) Kauai 25–*Astelia waialealae*–e

(A) This is a unit of the Montane Wet ecosystem and consists of 64 ac (26 ha). This unit includes land bounded by the following UTM Zone 4, NAD83 coordinates (E, N): 448428, 2442750; 448440, 2442604; 448443, 2442627; 448443, 2442636; 448447, 2442663; 448447, 2442675; 448447, 2442688; 448443, 2442699; 448437, 2442711; 448438, 2442565; 448428, 2442738; 448464,

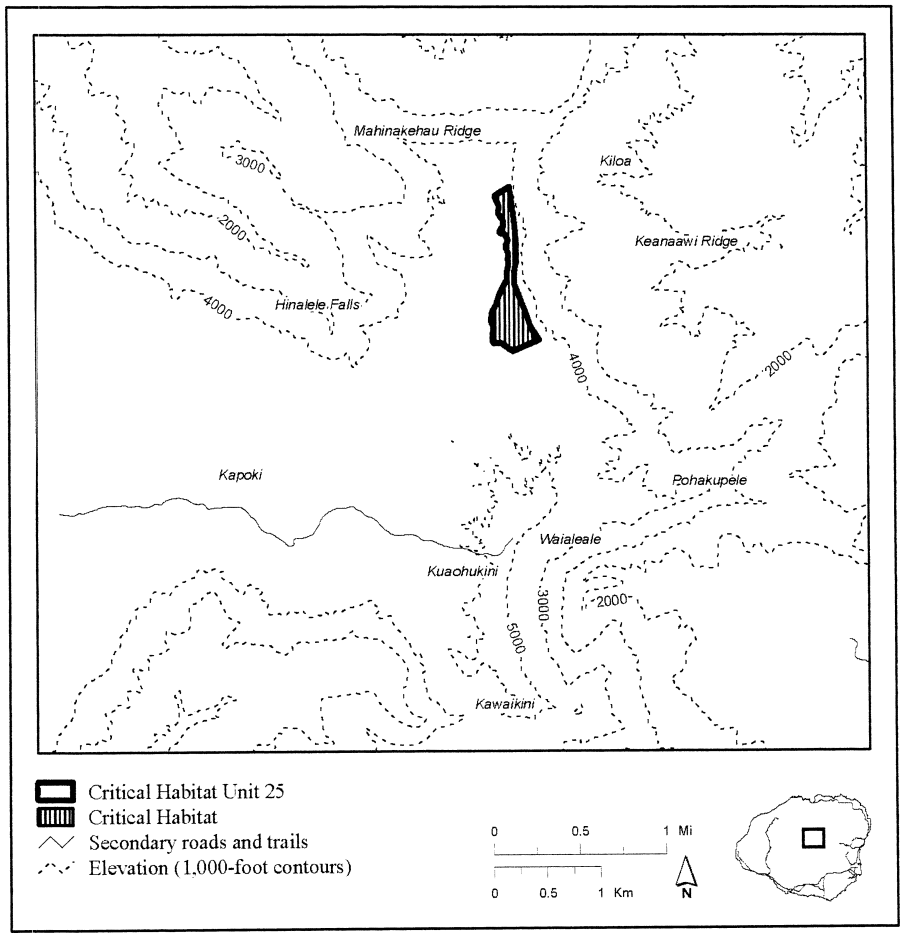
2442531; 448431, 2442766; 448432, 2442775; 448435, 2442791; 448437, 2442805; 448442, 2442821; 448462, 2442858; 448432, 2442727; 448536, 2442523; 448481, 2442894; 448637, 2442455; 448634, 2442459; 448623, 2442466; 448615, 2442472; 448602, 2442477; 448587, 2442486; 448449, 2442536; 448550, 2442513; 448441, 2442549; 448530, 2442527; 448515, 2442533; 448505, 2442534; 448488, 2442531; 448474, 2442530; 448455, 2442534; 448880, 2442563; 448566, 2442503; 448512, 2443792; 448522, 2443706; 448507, 2443727; 448504, 2443735; 448502, 2443743; 448504, 2443752; 448509, 2443760; 448513, 2443769; 448669, 2443477; 448512, 2443783; 448552, 2443643; 448500, 2443823; 448473, 2443878; 448470, 2443888; 448479, 2443895; 448609, 2443974; 448614, 2443950; 448634, 2443800; 448469, 2442871; 448513, 2443779; 448518, 2443559; 448588, 2443466; 448591, 2443484; 448589, 2443493; 448582, 2443508; 448577, 2443516; 448569, 2443527; 448560, 2443535; 448553, 2443539; 448538, 2443682; 448518, 2443552; 448546, 2443665; 448523, 2443570; 448527, 2443576; 448533, 2443587; 448544, 2443601; 448549, 2443613; 448551, 2443621; 448552, 2443630; 448674, 2443301; 448528, 2443546; 448579, 2443112; 448587, 2443214; 448586, 2443203; 448582, 2443190; 448582, 2443172; 448582, 2443162; 448583, 2443151; 448585, 2443140; 448657, 2443629; 448585, 2443122; 448592, 2443254; 448562, 2443086; 448545, 2443051; 448529, 2443019; 448507, 2442976; 448498, 2442952; 448490, 2442930; 448486, 2442910; 448585, 2443461; 448586, 2443129; 448584, 2443388; 448651, 2443187; 448653, 2443075; 448696, 2442955; 448765, 2442787; 448805, 2442677; 448861, 2442593; 448880, 2442563; 448578, 2443441; 448589, 2443224; 448576, 2443405; 448591, 2443241; 448590, 2443369; 448595, 2443352; 448593, 2443325; 448590, 2443306; 448591, 2443291; 448592, 2443277; 448592, 2443261; 448477, 2442887; 448572, 2443417. This unit is also critical habitat for Kauai 25–*Chamaesyce remyi* var. *remyi*–r, Kauai 25–*Dryopteris crinalis* var. *podosorus*–e, Kauai 25–*Dubautia kalalauensis*–e, Kauai 25–*Dubautia waialealae*–e, Kauai 25–*Geranium kauaiense*–e, Kauai 25–*Keysseria erici*–e, Kauai 25–*Keysseria helenae*–e, Kauai 25–*Labordia helleri*–m, Kauai 25–*Labordia pumila*–e, Kauai 25–*Lysimachia daphnoides*–e, Kauai 25–*Melicope degeneri*–e, Kauai 25–*Melicope puberula*–h, Kauai 25–*Myrsine mezii*–h, Kauai 25–*Phyllostegia renovans*–h, Kauai 25–*Platydesma rostrata*–r, Kauai 25–*Psychotria grandiflora*–h, and Kauai 25–*Tetraplasandra flynnii*–k (see paragraphs (a)(1)(cdxlii), (a)(1)(cdxliii), (a)(1)(cdxliv), (a)(1)(cdxlv), (a)(1)(cdxlvi), (a)(1)(cdxlvii), (a)(1)(cdxlviii), (a)(1)(cdxlix), (a)(1)(cdl), (a)(1)(cdli), (a)(1)(cdlii), (a)(1)(cdliii), (a)(1)(cdliv), (a)(1)(cdlv), (a)(1)(cdlvi), (a)(1)(cdlvii), and (a)(1)(cdlviii), respectively, of this section).

(B) Note: Map 217h follows:

Map 217h

Kauai 25–*Astelia waialealae*–e, Kauai 25–*Chamaesyce remyi* var. *remyi*–r, Kauai 25–*Dryopteris crinalis* var. *podosorus*–e, Kauai 25–*Dubautia kalalauensis*–e, Kauai 25–*Dubautia waialealae*–e, Kauai 25–*Geranium kauaiense*–e, Kauai 25–*Keysseria erici*–e, Kauai 25–*Keysseria helenae*–e, Kauai 25–*Labordia helleri*–m, Kauai 25–*Labordia pumila*–e, Kauai 25–*Lysimachia daphnoides*–e, Kauai 25–*Melicope degeneri*–e, Kauai 25–*Melicope puberula*–h, Kauai 25–*Myrsine mezii*–h, Kauai 18–*Phyllostegia renovans*–h, Kauai 25–*Platydesma rostrata*–r, Kauai 25–*Psychotria grandiflora*–h, Kauai 25–*Tetraplasandra flynnii*–k

Montane Wet



(cdxlii) Kauai 25–*Chamaesyce remyi* var. *remyi*–r

(A) See paragraph (a)(1)(cdxli)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(cdxli)(B) of this section for the map of this unit.

(cdxliii) Kauai 25–*Dryopteris crinalis* var. *podosorus*–e

(A) See paragraph (a)(1)(cdxli)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(cdxli)(B) of this section for the map of this unit.

(cdxliv) Kauai 25–*Dubautia kalalauensis*–d

(A) See paragraph (a)(1)(cdxli)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(cdxli)(B) of this section for the map of this unit.

(cdxlv) Kauai 25–*Dubautia waialealae*–e

(A) See paragraph (a)(1)(cdxli)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(cdxli)(B) of this section for the map of this unit.

(cdxlvi) Kauai 25–*Geranium kauaiense*–f

(A) See paragraph (a)(1)(cdxli)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(cdxli)(B) of this section for the map of this unit.

(cdxlvii) Kauai 25–*Keysseria erici*–e

(A) See paragraph (a)(1)(cdxli)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(cdxli)(B) of this section for the map of this unit.

(cdxlviii) Kauai 25–*Keysseria helenae*–e

(A) See paragraph (a)(1)(cdxli)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(cdxli)(B) of this section for the map of this unit.

(cdxlix) Kauai 25–*Labordia helleri*–m

(A) See paragraph (a)(1)(cdxli)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(cdxli)(B) of this section for the map of this unit.

(cdl) Kauai 25–*Labordia pumila*–e

(A) See paragraph (a)(1)(cdxli)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(cdxli)(B) of this section for the map of this unit.

(cdli) Kauai 25–*Lysimachia daphnoides*–e

(A) See paragraph (a)(1)(cdxli)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(cdxli)(B) of this section for the map of this unit.

(cdlii) Kauai 25–*Melicope degeneri*–e

(A) See paragraph (a)(1)(cdxli)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(cdxli)(B) of this section for the map of this unit.

(cdliii) Kauai 25–*Melicope puberula*–h

(A) See paragraph (a)(1)(cdxli)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(cdxli)(B) of this section for the map of this unit.

(cdliv) Kauai 25–*Myrsine mezii*–h

(A) See paragraph (a)(1)(cdxli)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(cdxli)(B) of this section for the map of this unit.

(cdlv) Kauai 25–*Phyllostegia renovans*–h

(A) See paragraph (a)(1)(cdxli)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(cdxli)(B) of this section for the map of this unit.

(cdlvi) Kauai 25–*Platydesma rostrata*–r

(A) See paragraph (a)(1)(cdxli)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(cdxli)(B) of this section for the map of this unit.

(cdlvii) Kauai 25–*Psychotria grandiflora*–h

(A) See paragraph (a)(1)(cdxli)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(cdxli)(B) of this section for the map of this unit.

(cdlviii) Kauai 25–*Tetraplasandra flynnii*–k

(A) See paragraph (a)(1)(cdxli)(A) of this section for the textual description of this unit.

(B) See paragraph (a)(1)(cdxli)(B) of this section for the map of this unit.

(cdlix) TABLE OF PROTECTED SPECIES WITHIN EACH CRITICAL HABITAT UNIT FOR KAUAI

Unit name	Species occupied	Species unoccupied
Kauai 1—*Ischaemum byrone*—a	*Ischaemum byrone*	
Kauai 2—*Ischaemum byrone*—b		*Ischaemum byrone*

(cdlix) TABLE OF PROTECTED SPECIES WITHIN EACH CRITICAL HABITAT UNIT FOR KAUAI—Continued

Unit name	Species occupied	Species unoccupied
Kauai 3—*Ischaemum byrone*—c	*Ischaemum byrone.*	
Kauai 4—*Adenophorus periens*—a	*Adenophorus periens*	
Kauai 4—*Chamaesyce remyi* var. *kauaiensis*—a	.....	*Chamaesyce remyi* var. *kauaiensis*
Kauai 4—*Chamaesyce remyi* var. *remyi*—a	.....	*Chamaesyce remyi* var. *remyi*
Kauai 4—*Cyanea asarifolia*—a	*Cyanea asarifolis*	
Kauai 4—*Cyanea dolichopoda*—a	.....	*Cyanea dolichopoda*
Kauai 4—*Cyanea recta*—a	*Cyanea recta*	
Kauai 4—*Cyanea recta*—b	*Cyanea recta*	
Kauai 4—*Cyanea remyi*—a	*Cyanea remyi*	
Kauai 4—*Cyrtandra cyaneoides*—a	*Cyrtandra cyaneoides*	
Kauai 4—*Cyrtandra limahuliensis*—a	*Cyrtandra limahuliensis*	
Kauai 4—*Cyrtandra limahuliensis*—b	*Cyrtandra limahuliensis*	
Kauai 4—*Cyrtandra oenobarba*–a	.....	Cyrtandra oenobarba
Kauai 4—*Cyrtandra paliku*–a	*Cyrtandra paliku*	Cyrtandra paliku
Kauai 4—*Dubautia plantaginea* ssp. *magnifolia*–a	.....	*Dubautia plantaginea* ssp. *magnifolia*
Kauai 4—*Hibiscus clayi*—a	.....	*Hibiscus clayi*
Kauai 4—*Hibiscus clayi*—b	.....	*Hibiscus clayi*
Kauai 4—*Hibiscus clayi*—c	.....	*Hibiscus clayi*
Kauai 4—*Hibiscus clayi*—d	.....	*Hibiscus clayi*
Kauai 4—*Hibiscus clayi*—e	.....	*Hibiscus clayi*
Kauai 4—*Labordia lydgatei*—a	*Labordia lydgatei*	
Kauai 4—*Lysimachia iniki*–a	.....	Lysimachia iniki
Kauai 4—*Lysimachia pendens*–a	.....	Lysimachia pendens
Kauai 4—*Lysimachia venosa*–a	.....	*Lysimachia venosa*
Kauai 4—*Phyllostegia wawrana*—a	*Phyllostegia wawrana*	
Kauai 4—*Platydesma rostrata*–a	.....	Platydesma rostrata
Kauai 5—*Hibiscus clayi*—f	*Hibiscus clayi*	
Kauai 5—*Munroidendron racemosum*—a	*Munroidendron racemosum*	
Kauai 6—*Brighamia insignis*—a	*Brighamia insignis*	
Kauai 7—*Brighamia insignis*—b	*Brighamia insignis*	
Kauai 7—*Canavalia napaliensis*–a	.....	Canavalia napaliensis
Kauai 7—*Chamaesyce eleanoriae*–a	.....	Chamaesyce eleanoriae
Kauai 7—*Chamaesyce remyi* var. *remyi*–b	*Chamaesyce remyi* var. *remyi*	*Chamaesyce remyi* var. *remyi*
Kauai 7—*Charpentiera densiflora*–a	.....	Charpentiera densiflora
Kauai 7—*Delissea rhytidosperma*—a	*Delissea rhytidosperma*	
Kauai 7—*Doryopteris angelica*–a	.....	Doryopteris angelica
Kauai 7—*Dubautia kenwoodii*–a	.....	*Dubautia kenwoodii*
Kauai 7—*Isodendrion longifolium*—a	*Isodendrion longifolium*	
Kauai 7—*Labordia helleri*–a	.....	Labordia helleri
Kauai 7—*Lipochaeta micrantha*—a	*Lipochaeta micrantha*	
Kauai 7—*Melicope haupuensis*—a	.....	*Melicope haupuensis*
Kauai 7—*Munroidendron racemosum*—b	*Munroidendron racemosum*	
Kauai 7—*Myrsine linearifolia*—a	.....	*Myrsine linearifolia*
Kauai 7—*Peucedanum sandwicense*—a	*Peucedanum sandwicense*	
Kauai 7—*Pittosporum napaliense*–a	.....	Pittosporum napaliense
Kauai 7—*Platydesma rostrata*–b	.....	Platydesma rostrata
Kauai 7—*Psychotria hobdyi*–a	.....	Psychotria hobdyi
Kauai 7—*Pteralyxia kauaiensis*—a	*Pteralyxia kauaiensis*	
Kauai 7—*Schiedea nuttallii*—a	*Schiedea nuttallii*	
Kauai 7—*Tetraplasandra bisattenuata*–a	*Tetraplasandra bisattenuata*	Tetraplasandra bisattenuata
Kauai 8—*Sesbania tomentosa*—a	.....	*Sesbania tomentosa*
Kauai 9—*Schiedea spergulina* var. *leiopoda*—a	*Schiedea spergulina* var. *leiopoda*	
Kauai 10—*Adenophorus periens*—b	*Adenophorus periens*	
Kauai 10—*Astelia waialealae*–a	*Astelia waialealae*	Astelia waialealae
Kauai 10—*Bonamia menziesii*—a	*Bonamia menziesii*	
Kauai 10—*Chamaesyce remyi* var. *kauaiensis*–b	.....	*Chamaesyce remyi* var. *kauaiensis*
Kauai 10—*Chamaesyce remyi* var. *kauaiensis*–c	*Chamaesyce remyi* var. *kauaiensis*	*Chamaesyce remyi* var. *kauaiensis*
Kauai 10—*Chamaesyce remyi* var. *remyi*–c	*Chamaesyce remyi* var. *remyi*	*Chamaesyce remyi* var. *remyi*
Kauai 10—*Chamaesyce remyi* var. *remyi*–d	*Chamaesyce remyi* var. *remyi*	*Chamaesyce remyi* var. *remyi*
Kauai 10—*Chamaesyce remyi* var. *remyi*–e	.....	*Chamaesyce remyi* var. *remyi*
Kauai 10—*Charpentiera densiflora*–b	.....	Charpentiera densiflora
Kauai 10—*Cyanea asarifolia*—b	*Cyanea asarifolia*	
Kauai 10—*Cyanea dolichopoda*–b	.....	*Cyanea dolichopoda*
Kauai 10—*Cyanea eleeleensis*–a	.....	*Cyanea eleeleensis*
Kauai 10—*Cyanea kolekoleensis*–a	.....	*Cyanea kolekoleensis*
Kauai 10—*Cyanea kuhihewa*–a	.....	*Cyanea kuhihewa*
Kauai 10—*Cyanea remyi*—b	*Cyanea remyi*	

(cdlix) TABLE OF PROTECTED SPECIES WITHIN EACH CRITICAL HABITAT UNIT FOR KAUAI—Continued

Unit name	Species occupied	Species unoccupied
Kauai 10—*Cyanea undulata*—a	*Cyanea undulata*	
Kauai 10—*Cyrtandra limahuliensis*—c	*Cyrtandra limahuliensis*	
Kauai 10—*Cyrtandra oenobarba*–b	*Cyrtandra oenobarba*	Cyrtandra oenobarba
Kauai 10—*Cyrtandra oenobarba*–c	*Cyrtandra oenobarba*	Cyrtandra oenobarba
Kauai 10—*Cyrtandra paliku*–b	.....	Cyrtandra paliku
Kauai 10—*Dryopteris crinalis* var. *podosorus*–a	*Dryopteris crinalis* var. *podosorus*	*Dryopteris crinalis* var. *podosorus*
Kauai 10—*Dubautia imbricata* ssp. *imbricata*–a	*Dubautia imbricata* ssp. *imbricata*	*Dubautia imbricata* ssp. *imbricata*
Kauai 10—*Dubautia kalalauensis*–a	.....	Dubautia kalalauensis
Kauai 10—*Dubautia pauciflorula*—a	*Dubautia pauciflorula*	
Kauai 10—*Dubautia plantaginea* ssp. *magnifolia*–b	*Dubautia plantaginea* ssp. *magnifolia*	*Dubautia plantaginea* ssp. *magnifolia*
Kauai 10—*Dubautia waialealae*–a	*Dubautia waialealae*	Dubautia waialealae
Kauai 10—*Exocarpos luteolus*—a	*Exocarpos luteolus*	
Kauai 10—*Geranium kauaiense*–a	*Geranium kauaiense*	Geranium kauaiense
Kauai 10—*Hesperomannia lydgatei*—a	*Hesperomannia lydgatei*	
Kauai 10—*Isodendrion longifolium*—b	*Isodendrion longifolium*	
Kauai 10—*Keysseria erici*–a	*Keysseria erici*	Keysseria erici
Kauai 10—*Keysseria helenae*–a	*Keysseria helenae*	Keysseria helenae
Kauai 10—*Labordia helleri*–b	*Labordia helleri*	Labordia helleri
Kauai 10—*Labordia helleri*–c	.....	Labordia helleri
Kauai 10—*Labordia lydgatei*—b	*Labordia lydgatei*	
Kauai 10—*Labordia pumila*–a	*Labordia pumila*	Labordia pumila
Kauai 10—*Labordia tinifolia* var. *wahiawaensis*—a	*Labordia tinifolia* var. *wahiawaensis.*	
Kauai 10—*Lysimachia daphnoides*–a	*Lysimachia daphnoides*	Lysimachia daphnoides
Kauai 10—*Lysimachia filifolia*—a	*Lysimachia filifolia*	
Kauai 10—*Lysimachia iniki*–b	*Lysimachia iniki*	Lysimachia iniki
Kauai 10—*Lysimachia pendens*–b	*Lysimachia pendens*	Lysimachia pendens
Kauai 10—*Lysimachia venosa*–b	.....	*Lysimachia venosa*
Kauai 10—*Melicope degeneri*–a	*Melicope paniculata*	Melicope paniculata
Kauai 10—*Melicope paniculata*–a	*Melicope paniculata*	Melicope paniculata
Kauai 10—*Melicope puberula*–a	*Melicope puberula*	Melicope puberula
Kauai 10—*Melicope puberula*–b	.....	Melicope puberula
Kauai 10—*Myrsine linearifolia*—b	*Myrsine linearifolia*	
Kauai 10—*Myrsine mezii*–a	*Myrsine mezii*	Myrsine mezii
Kauai 10—*Phlegmariurus nutans*—a	.....	*Phlegmariurus nutans*
Kauai 10—*Phyllostegia renovans*–a	*Phyllostegia renovans*	Phyllostegia renovans
Kauai 10—*Phyllostegia renovans*–b	*Phyllostegia renovans*	Phyllostegia renovans
Kauai 10—*Plantago princeps*—a	*Plantago princeps*	
Kauai 10—*Platydesma rostrata*–c	*Platydesma rostrata*	Platydesma rostrata
Kauai 10—*Platydesma rostrata*–d	*Platydesma rostrata*	Platydesma rostrata
Kauai 10—*Platydesma rostrata*–e	*Platydesma rostrata*	Platydesma rostrata
Kauai 10—*Psychotria grandiflora*–a	.....	Psychotria grandiflora
Kauai 10—*Pteralyxia kauaiensis*—b	*Pteralyxia kauaiensis*	
Kauai 10—*Stenogyne kealiae*–a	.....	Stenogyne kealiae
Kauai 10—*Tetraplasandra bisattenuata*–b	*Tetraplasandra bisattenuata*	Tetraplasandra bisattenuata
Kauai 10—*Tetraplasandra flynnii*–a	.....	*Tetraplasandra flynnii*
Kauai 10—*Tetraplasandra flynnii*–b	.....	*Tetraplasandra flynnii*
Kauai 10—*Viola helenae*—a	*Viola helenae*	
Kauai 10—*Viola kauaiensis* var. *wahiawaensis*—a	*Viola kauaiensis* var. *wahiawaensis.*	
Kauai 11—*Adenophorus periens*—c	*Adenophorus periens*	
Kauai 11—*Adenophorus periens*—d	*Adenophorus periens*	
Kauai 11—*Alectryon macrococcus*—a	*Alectryon macrococcus*	
Kauai 11—*Alectryon macrococcus*—b	*Alectryon macrococcus*	
Kauai 11—*Alsinidendron lychnoides*—a	*Alsinidendron lychnoides*	
Kauai 11—*Alsinidendron lychnoides*—b	11—*Alsinidendron lychnoides*—a	
Kauai 11—*Alsinidendron lychnoides*—c	.....	*Alsinidendron lychnoides*
Kauai 11—*Alsinidendron viscosum*—a	*Alsinidendron viscosum*	
Kauai 11—*Alsinidendron viscosum*—b	*Alsinidendron viscosum*	
Kauai 11—*Alsinidendron viscosum*—c	*Alsinidendron viscosum*	
Kauai 11—*Alsinidendron viscosum*—d	*Alsinidendron viscosum*	
Kauai 11—*Astelia waialealae*–b	*Astelia waialealae*	Astelia waialealae
Kauai 11—*Bonamia menziesii*—b	*Bonamia menziesii*	
Kauai 11—*Brighamia insignis*—c	*Brighamia insignis*	
Kauai 11—*Canavalia napaliensis*–b	*Canavalia napaliensis*	Canavalia napaliensis
Kauai 11—*Centaurium sebaeoides*—a	*Centaurium sebaeoides*	
Kauai 11—*Chamaesyce eleanoriae*–b	*Chamaesyce eleanoriae*	Chamaesyce eleanoriae
Kauai 11—*Chamaesyce eleanoriae*–c	*Chamaesyce eleanoriae*	Chamaesyce eleanoriae

(cdlix) TABLE OF PROTECTED SPECIES WITHIN EACH CRITICAL HABITAT UNIT FOR KAUAI—Continued

Unit name	Species occupied	Species unoccupied
Kauai 11—*Chamaesyce halemanui*—a		*Chamaesyce halemanui*
Kauai 11—*Chamaesyce halemanui*—b	*Chamaesyce halemanui*	
Kauai 11—*Chamaesyce halemanui*—c	*Chamaesyce halemanui*	
Kauai 11—*Chamaesyce remyi* var. *kauaiensis*–d	*Chamaesyce remyi* var. *kauaiensis*	*Chamaesyce remyi* var. *kauaiensis*
Kauai 11—*Chamaesyce remyi* var. *kauaiensis*–e		*Chamaesyce remyi* var. *kauaiensis*
Kauai 11—*Chamaesyce remyi* var. *remyi*–f	*Chamaesyce remyi* var. *remyi*	*Chamaesyce remyi* var. *remyi*
Kauai 11—*Chamaesyce remyi* var. *remyi*–g	*Chamaesyce remyi* var. *remyi*	*Chamaesyce remyi* var. *remyi*
Kauai 11—*Chamaesyce remyi* var. *remyi*–h	*Chamaesyce remyi* var. *remyi*	*Chamaesyce remyi* var. *remyi*
Kauai 11—*Chamaesyce remyi* var. *remyi*–i	*Chamaesyce remyi* var. *remyi*	*Chamaesyce remyi* var. *remyi*
Kauai 11—*Chamaesyce remyi* var. *remyi*–j	*Chamaesyce remyi* var. *remyi*	*Chamaesyce remyi* var. *remyi*
Kauai 11—*Charpentiera densiflora*–c	*Charpentiera densiflora*	Charpentiera densiflora
Kauai 11—*Charpentiera densiflora*–d	*Charpentiera densiflora*	Charpentiera densiflora
Kauai 11—*Ctenitis squamigera*—a		*Ctenitis squamigera*
Kauai 11—*Cyanea dolichopoda*–c		*Cyanea dolichopoda*
Kauai 11—*Cyanea eleeleensis*–b		*Cyanea eleeleensis*
Kauai 11—*Cyanea kolekoleensis*–b		*Cyanea kolekoleensis*
Kauai 11—*Cyanea kuhihewa*–b		*Cyanea kuhihewa*
Kauai 11—*Cyanea recta*—c	*Cyanea recta*	
Kauai 11—*Cyanea recta*—d		*Cyanea recta*
Kauai 11—*Cyanea remyi*—c	*Cyanea remyi*	
Kauai 11—*Cyanea remyi*—d	*Cyanea remyi*	
Kauai 11—*Cyperus trachysanthos*—a	*Cyperus trachysanthos*	
Kauai 11—*Cyrtandra cyaneoides*—b	*Cyrtandra cyaneoides*	
Kauai 11—*Cyrtandra cyaneoides*—c	*Cyrtandra cyaneoides*	
Kauai 11—*Cyrtandra limahuliensis*—d	*Cyrtandra limahuliensis*	
Kauai 11—*Cyrtandra limahuliensis*—e	*Cyrtandra limahuliensis*	
Kauai 11—*Cyrtandra oenobarba*–d	*Cyrtandra oenobarba*	Cyrtandra oenobarba
Kauai 11—*Cyrtandra oenobarba*–e		Cyrtandra oenobarba
Kauai 11—*Cyrtandra paliku*–c		Cyrtandra paliku
Kauai 11—*Delissea rhytidosperma*—b	*Delissea rhytidosperma*	
Kauai 11—*Delissea rhytidosperma*—c		*Delissea rhytidosperma*
Kauai 11—*Delissea rivularis*—a	*Delissea rivularis*	
Kauai 11—*Delissea undulata*—a		*Delissea undulata*
Kauai 11—*Delissea undulata*—b	*Delissea undulata*	
Kauai 11—*Diellia erecta*—a		*Diellia erecta*
Kauai 11—*Diellia mannii*–a	*Diellia mannii*	Diellia mannii
Kauai 11—*Diellia pallida*—a	*Diellia pallida*	
Kauai 11—*Diellia pallida*—b	*Diellia pallida*	
Kauai 11—*Diplazium molokaiense*—a		*Diplazium molokaiense*
Kauai 11—*Doryopteris angelica*–b	*Doryopteris angelica*	Doryopteris angelica
Kauai 11—*Dryopteris crinalis* var. *podosorus*–b	*Dryopteris crinalis* var. *podosorus*	*Dryopteris crinalis* var. *podosorus*
Kauai 11—*Dubautia imbricata* ssp. *imbricata*–b		*Dubautia imbricata* ssp. *imbricata*
Kauai 11—*Dubautia kalalauensis*–b	*Dubautia kalalauensis*	Dubautia kalalauensis
Kauai 11—*Dubautia kenwoodii*–b		*Dubautia kenwoodii*
Kauai 11—*Dubautia latifolia*—1		*Dubautia latifolia*
Kauai 11—*Dubautia latifolia*—b	*Dubautia latifolia*	
Kauai 11—*Dubautia latifolia*—c	*Dubautia latifolia*	
Kauai 11—*Dubautia plantaginea* ssp. *magnifolia*–c		*Dubautia plantaginea* ssp. *magnifolia*
Kauai 11—*Dubautia waialealae*–b	*Dubautia waialealae*	Dubautia waialealae
Kauai 11—*Euphorbia haeleeleana*—a	*Euphorbia haeleeleana*	
Kauai 11—*Euphorbia haeleeleana*—b	*Euphorbia haeleeleana*	
Kauai 11—*Euphorbia haeleeleana*—c	*Euphorbia haeleeleana*	
Kauai 11—*Exocarpos luteolus*—b	*Exocarpos luteolus*	
Kauai 11—*Exocarpos luteolus*—c	*Exocarpos luteolus*	
Kauai 11—*Exocarpos luteolus*—d	*Exocarpos luteolus*	
Kauai 11—*Exocarpos luteolus*—e	*Exocarpos luteolus*	
Kauai 11—*Flueggea neowawraea*—a		*Flueggea neowawraea*
Kauai 11—*Flueggea neowawraea*—b	*Flueggea neowawraea*	
Kauai 11—*Flueggea neowawraea*—c	*Flueggea neowawraea*	
Kauai 11—*Flueggea neowawraea*—d	*Flueggea neowawraea*	
Kauai 11—*Flueggea neowawraea*—e	*Flueggea neowawraea*	
Kauai 11—*Flueggea neowawraea*—f	*Flueggea neowawraea*	
Kauai 11—*Geranium kauaiense*–b	*Geranium kauaiense*	Geranium kauaiense
Kauai 11—*Gouania meyenii*—a		*Gouania meyenii*
Kauai 11—*Gouania meyenii*—b	*Gouania meyenii*	
Kauai 11—*Gouania meyenii*—c		*Gouania meyenii*
Kauai 11—*Hedyotis cookiana*—a	*Hedyotis cookiana*	

(cdlix) TABLE OF PROTECTED SPECIES WITHIN EACH CRITICAL HABITAT UNIT FOR KAUAI—Continued

Unit name	Species occupied	Species unoccupied
Kauai 11—*Heduptos st.-johnii*—a	*Heduptos st.-johnii*	
Kauai 11—*Hesperomannia lydgatei*—b	*Hesperomannia lydgatei*	
Kauai 11—*Hesperomannia lydgatei*—e	*Hesperomannia lydgatei*	
Kauai 11—*Hibiscadelphus woodii*—a	*Hibiscadelphus woodii*	
Kauai 11—*Hibiscadelphus woodii*—b	*Hibiscadelphus woodii*	
Kauai 11—*Hibiscus waimeae* ssp. *hannerae*—a	*Hibiscus waimeae* ssp. *hannerae*	
Kauai 11—*Ischaemum byrone*—d		*Ischaemum byrone*
Kauai 11—*Isodendrion laurifolium*—a	*Isodendrion laurifolium*	
Kauai 11—*Isodendrion laurifolium*—b	*Isodendrion laurifolium*	
Kauai 11—*Isodendrion longifolium*—c	*Isodendrion longifolium*	
Kauai 11—*Isodendrion longifolium*—d	*Isodendrion longifolium*	
Kauai 11—*Isodendrion longifolium*—e	*Isodendrion longifolium*	
Kauai 11—*Keysseria erici*–b	*Keysseria erici*	Keysseria erici
Kauai 11—*Keysseria helenae*–b	*Keysseria helenae*	Keysseria helenae
Kauai 11—*Kokia kauaiensis*—a	*Kokia kauaiensis*	
Kauai 11—*Kokia kauaiensis*—b	*Kokia kauaiensis*	
Kauai 11—*Kokia kauaiensis*—c	*Kokia kauaiensis*	
Kauai 11—*Kokia kauaiensis*—d	*Kokia kauaiensis*	
Kauai 11—*Labordia helleri*–d	*Labordia helleri*	Labordia helleri
Kauai 11—*Labordia helleri*–e	*Labordia helleri*	Labordia helleri
Kauai 11—*Labordia helleri*–f	*Labordia helleri*	Labordia helleri
Kauai 11—*Labordia helleri*–g	*Labordia helleri*	Labordia helleri
Kauai 11—*Labordia lydgatei*—c	*Labordia lydgatei*	
Kauai 11—*Labordia lydgatei*—d	*Labordia lydgatei*	
Kauai 11—*Labordia lydgatei*—e	*Labordia lydgatei*	
Kauai 11—*Labordia pumila*–b	*Labordia pumila*	Labordia pumila
Kauai 11—*Lipochaeta fauriei*—a		*Lipochaeta fauriei*
Kauai 11—*Lipochaeta fauriei*—b	*Lipochaeta fauriei*	
Kauai 11—*Lipochaeta micrantha*—b	*Lipochaeta micrantha*	
Kauai 11—*Lobelia niihauensis*—a		*Lobelia niihauensis*
Kauai 11—*Lobelia niihauensis*—b	*Lobelia niihauensis*	
Kauai 11—*Lysimachia daphnoides*–b	*Lysimachia daphnoides*	Lysimachia daphnoides
Kauai 11—*Lysimachia iniki*–c		Lysimachia iniki
Kauai 11—*Lysimachia pendens*–c		Lysimachia pendens
Kauai 11—*Lysimachia scopulensis*–a	*Lysimachia scopulensis*	Lysimachia scopulensis
Kauai 11—*Lysimachia venosa*–c		*Lysimachia venosa*
Kauai 11—*Mariscus pennatiformis*—a		*Mariscus pennatiformis*
Kauai 11—*Melicope degeneri*–b	*Melicope degeneri*	Melicope degeneri
Kauai 11—*Melicope haupuensis*—b	*Melicope haupuensis*	
Kauai 11—*Melicope haupuensis*—c	*Melicope haupuensis*	
Kauai 11—*Melicope knudsenii*—a	*Melicope knudsenii*	
Kauai 11—*Melicope knudsenii*—b	*Melicope knudsenii*	
Kauai 11—*Melicope pallida*—a	*Melicope pallida*	
Kauai 11—*Melicope pallida*—b	*Melicope pallida*	
Kauai 11—*Melicope paniculata*–b	*Melicope paniculata*	Melicope paniculata
Kauai 11—*Melicope puberula*–c	*Melicope puberula*	Melicope puberula
Kauai 11—*Melicope puberula*–d	*Melicope puberula*	Melicope puberula
Kauai 11—*Munroidendron racemosum*—c	*Munroidendron racemosum*	
Kauai 11—*Munroidendron racemosum*—d	*Munroidendron racemosum*	
Kauai 11—*Myrsine knudsenii*–a	*Myrsine knudsenii*	Myrsine knudsenii
Kauai 11—*Myrsine linearifolia*—c	*Myrsine linearifolia*	
Kauai 11—*Myrsine linearifolia*—d	*Myrsine linearifolia*	
Kauai 11—*Myrsine linearifolia*—e	*Myrsine linearifolia*	
Kauai 11—*Myrsine linearifolia*—f	*Myrsine linearifolia*	
Kauai 11—*Myrsine mezii*–b	*Myrsine mezii*	Myrsine mezii
Kauai 11—*Myrsine mezii*–c		Myrsine mezii
Kauai 11—*Nothocestrum peltatum*—a		*Nothocestrum peltatum*
Kauai 11—*Nothocestrum peltatum*—b	*Nothocestrum peltatum*	
Kauai 11—*Nothocestrum peltatum*—c	*Nothocestrum peltatum*	
Kauai 11—*Peucedanum sandwicense*—b	*Peucedanum sandwicense*	
Kauai 11—*Peucedanum sandwicense*—c	*Peucedanum sandwicense*	
Kauai 11—*Phyllostegia knudsenii*—a	*Phyllostegia knudsenii*	
Kauai 11—*Phyllostegia renovans*–c	*Phyllostegia renovans*	Phyllostegia renovans
Kauai 11—*Phyllostegia renovans*–d	*Phyllostegia renovans*	Phyllostegia renovans
Kauai 11—*Phyllostegia waimeae*—a	*Phyllostegia waimeae*	
Kauai 11—*Phyllostegia wawrana*—b	*Phyllostegia wawrana*	
Kauai 11—*Phyllostegia wawrana*—c	*Phyllostegia wawrana*	
Kauai 11—*Phyllostegia wawrana*—d	*Phyllostegia wawrana*	
Kauai 11—*Pittosporum napaliense*–b	*Pittosporum napaliense*	Pittosporum napaliense
Kauai 11—*Plantago princeps*—b	*Plantago princeps*	
Kauai 11—*Plantago princeps*—c		*Plantago princeps*

(cdlix) TABLE OF PROTECTED SPECIES WITHIN EACH CRITICAL HABITAT UNIT FOR KAUAI—Continued

Unit name	Species occupied	Species unoccupied
Kauai 11—*Plantago princeps*—d	*Plantago princeps*	
Kauai 11—*Platanthera holochila*—a	*Platanthera holochila*	
Kauai 11—*Platydesma rostrata*–f	*Platydesma rostrata*	Platydesma rostrata
Kauai 11—*Platydesma rostrata*–g	*Platydesma rostrata*	Platydesma rostrata
Kauai 11—*Platydesma rostrata*–h	*Platydesma rostrata*	Platydesma rostrata
Kauai 11—*Platydesma rostrata*–i		Platydesma rostrata
Kauai 11—*Platydesma rostrata*–j	*Platydesma rostrata*	Platydesma rostrata
Kauai 11—*Poa mannii*—a		*Poa mannii*
Kauai 11—*Poa mannii*—b	*Poa mannii*	
Kauai 11—*Poa mannii*—c		*Poa mannii*
Kauai 11—*Poa mannii*—d	*Poa mannii*	
Kauai 11—*Poa sandvicensis*—a	*Poa sandvicensis*	
Kauai 11—*Poa sandvicensis*—b	*Poa sandvicensis*	
Kauai 11—*Poa siphonoglossa*—a	*Poa siphonoglossa*	
Kauai 11—*Poa siphonoglossa*—b	*Poa siphonoglossa*	
Kauai 11—*Psychotria grandiflora*–b	*Psychotria grandiflora*	Psychotria grandiflora
Kauai 11—*Psychotria grandiflora*–c	*Psychotria grandiflora*	Psychotria grandiflora
Kauai 11—*Psychotria hobdyi*–b	*Psychotria hobdyi*	Psychotria hobdyi
Kauai 11—*Pteralyxia kauaiensis*—c	*Pteralyxia kauaiensis*	
Kauai 11—*Pteralyxia kauaiensis*—d	*Pteralyxia kauaiensis*	
Kauai 11—*Pteralyxia kauaiensis*—e	*Pteralyxia kauaiensis*	
Kauai 11—*Pteralyxia kauaiensis*—f	*Pteralyxia kauaiensis*	
Kauai 11—*Pteralyxia kauaiensis*—g	*Pteralyxia kauaiensis*	
Kauai 11—*Remya kauaiensis*—a	*Remya kauaiensis*	
Kauai 11—*Remya kauaiensis*—b	*Remya kauaiensis*	
Kauai 11—*Remya kauaiensis*—c	*Remya kauaiensis*	
Kauai 11—*Remya kauaiensis*—d	*Remya kauaiensis*	
Kauai 11—*Remya kauaiensis*—e	*Remya kauaiensis*	
Kauai 11—*Remya montgomeryi*—a		*Remya montgomeryi*
Kauai 11—*Remya montgomeryi*—b	*Remya montgomeryi*	
Kauai 11—*Remya montgomeryi*—c	*Remya montgomeryi*	
Kauai 11—*Schiedea apokremnos*—a	*Schiedea apokremnos*	
Kauai 11—*Schiedea apokremnos*—b	*Schiedea apokremnos*	
Kauai 11—*Schiedea apokremnos*—c	*Schiedea apokremnos*	
Kauai 11—*Schiedea attenuata*–a	*Schiedea attenuata*	Schiedea attenuata
Kauai 11—*Schiedea helleri*—a		*Schiedea helleri*
Kauai 11—*Schiedea helleri*—b	*Schiedea helleri*	
Kauai 11—*Schiedea helleri*—c	*Schiedea helleri*	
Kauai 11—*Schiedea kauaiensis*—a		*Schiedea kauaiensis*
Kauai 11—*Schiedea kauaiensis*—c	*Schiedea kauaiensis*	
Kauai 11—*Schiedea kauaiensis*—c	*Schiedea kauaiensis*	
Kauai 11—*Schiedea kauaiensis*—d		*Schiedea kauaiensis*
Kauai 11—*Schiedea membranacea*—a	*Schiedea membranacea*	
Kauai 11—*Schiedea membranacea*—b	*Schiedea membranacea*	
Kauai 11—*Schiedea membranacea*—c	*Schiedea membranacea*	
Kauai 11—*Schiedea membranacea*—d	*Schiedea membranacea*	
Kauai 11—*Schiedea spergulina* var. *spergulina*—a	*Schiedea spergulina* var. *spergulina.*	
Kauai 11—*Schiedea spergulina* var. *spergulina*—b	*Schiedea spergulina* var. *spergulina.*	
Kauai 11—*Schiedea stellarioides*—a	*Schiedea stellarioides*	
Kauai 11—*Schiedea stellarioides*—b		*Schiedea stellarioides*
Kauai 11—*Solanum sandwicense*—a	*Solanum sandwicense*	
Kauai 11—*Solanum sandwicense*—b		*Solanum sandwicense*
Kauai 11—*Spermolepis hawaiiensis*—a	*Spermolepis hawaiiensis*	
Kauai 11—*Stenogyne campanulata*—a	*Stenogyne campanulata*	
Kauai 11—*Stenogyne kealiae*–b	*Stenogyne kealiae*	Stenogyne kealiae
Kauai 11—*Stenogyne kealiae*–c	*Stenogyne kealiae*	Stenogyne kealiae
Kauai 11—*Stenogyne kealiae*–d	*Stenogyne kealiae*	Stenogyne kealiae
Kauai 11—*Tetraplasandra bisattenuata*–c		Tetraplasandra bisattenuata
Kauai 11—*Tetraplasandra bisattenuata*–d		Tetraplasandra bisattenuata
Kauai 11—*Tetraplasandra flynnii*–c	*Tetraplasandra flynnii*	Tetraplasandra flynnii
Kauai 11—*Tetraplasandra flynnii*–d		Tetraplasandra flynnii
Kauai 11—*Tetraplasandra flynnii*–e	*Tetraplasandra flynnii*	*Tetraplasandra flynnii*
Kauai 11—*Wilkesia hobdyi*—a	*Wilkesia hobdyi*	
Kauai 11—*Xylosma crenatum*—a	*Xylosma crenatum*	
Kauai 11—*Zanthoxylum hawaiiense*—a	*Zanthoxylum hawaiiense*	
Kauai 12—*Nothocestrum peltatum*—d	*Nothocestrum peltatum*	
Kauai 12—*Remya kauaiensis*—f		*Remya kauaiensis*
Kauai 12—*Xylosma crenatum*—b		*Xylosma crenatum*
Kauai 13—*Lipochaeta waimeaensis*—a	*Lipochaeta waimeaensis*	
Kauai 13—*Schiedea spergulina* var. *spergulina*—c		*Schiedea spergulina* var. *spergulina*

(cdlix) TABLE OF PROTECTED SPECIES WITHIN EACH CRITICAL HABITAT UNIT FOR KAUAI—Continued

Unit name	Species occupied	Species unoccupied
Kauai 13—*Spermolepis hawaiiensis*—b	*Spermolepis hawaiiensis*	
Kauai 14—*Panicum niihauense*—a	*Panicum niihauense*	
Kauai 14—*Sesbania tomentosa*—b	*Sesbania tomentosa*	
Kauai 15—*Panicum niihauense*—b		*Panicum niihauense*
Kauai 16—*Panicum niihauense*—c		*Panicum niihauense*
Kauai 17—*Panicum niihauense*—d		*Panicum niihauense*
Kauai 18—*Chamaesyce remyi* var. *kauaiensis*–f	*Chamaesyce remyi* var. *kauaiensis*	*Chamaesyce remyi* var. *kauaiensis*
Kauai 18—*Chamaesyce remyi* var. *remyi*–k		*Chamaesyce remyi* var. *remyi*
Kauai 18—*Cyanea dolichopoda*–d		*Cyanea dolichopoda*
Kauai 18—*Cyrtandra oenobarba*–f	*Cyrtandra oenobarba*	Cyrtandra oenobarba
Kauai 18—*Cyrtandra paliku*–d		Cyrtandra paliku
Kauai 18—*Dubautia plantaginea* ssp. *magnifolia*–d	*Dubautia plantaginea* ssp. *magnifolia*	Dubautia plantaginea ssp. *magnifolia*
Kauai 18—*Lysimachia iniki*–d	*Lysimachia iniki*	Lysimachia iniki
Kauai 18—*Lysimachia pendens*–d	*Lysimachia pendens*	Lysimachia pendens
Kauai 18—*Lysimachia venosa*–d		*Lysimachia venosa*
Kauai 18—*Platydesma rostrata*–k	*Platydesma rostrata*	Platydesma rostrata
Kauai 19—*Chamaesyce remyi* var. *kauaiensis*–g		*Chamaesyce remyi* var. *kauaiensis*
Kauai 19—*Chamaesyce remyi* var. *remyi*–l		*Chamaesyce remyi* var. *remyi*
Kauai 19—*Cyanea dolichopoda*–e		*Cyanea dolichopoda*
Kauai 19—*Cyrtandra oenobarba*–g		Cyrtandra oenobarba
Kauai 19—*Cyrtandra paliku*–e	*Cyrtandra paliku*	Cyrtandra paliku
Kauai 19—*Dubautia plantaginea* ssp. *magnifolia*–e		*Dubautia plantaginea* ssp. *magnifolia*
Kauai 19—*Lysimachia iniki*–e		Lysimachia iniki
Kauai 19—*Lysimachia pendens*–e		Lysimachia pendens
Kauai 19—*Lysimachia venosa*–e		*Lysimachia venosa*
Kauai 19—*Platydesma rostrata*–l		Platydesma rostrata
Kauai 20—*Chamaesyce remyi* var. *kauaiensis*–h		*Chamaesyce remyi* var. *kauaiensis*
Kauai 20—*Chamaesyce remyi* var. *remyi*–m	*Chamaesyce remyi* var. *remyi*	Chamaesyce remyi var. *remyi*
Kauai 20—*Charpentiera densiflora*–e	*Charpentiera densiflora*	Charpentiera densiflora
Kauai 20—*Cyanea eleeleensis*–c		*Cyanea eleeleensis*
Kauai 20—*Cyanea kolekoleensis*–c		*Cyanea kolekoleensis*
Kauai 20—*Cyanea kuhihewa*–c		*Cyanea kuhihewa*
Kauai 20—*Cyrtandra oenobarba*–h		Cyrtandra oenobarba
Kauai 20—*Dubautia imbricata* ssp. *imbricata*–c	*Dubautia imbricata* ssp. *imbricata*	Dubautia imbricata ssp. *imbricata*
Kauai 20—*Labordia helleri*–h	*Labordia helleri*	Labordia helleri
Kauai 20—*Melicope paniculata*–c		Melicope paniculata
Kauai 20—*Melicope puberula*–e		Melicope puberula
Kauai 20—*Phyllostegia renovans*–e	*Phyllostegia renovans*	Phyllostegia renovans
Kauai 20—*Platydesma rostrata*–m		Platydesma rostrata
Kauai 20—*Stenogyne kealiae*–e		Stenogyne kealiae
Kauai 20—*Tetraplasandra bisattenuata*–e		Tetraplasandra bisattenuata
Kauai 20—*Tetraplasandra flynii*–f		Tetraplasandra flynii
Kauai 21—*Chamaesyce remyi* var. *remyi*–n		Chamaesyce remyi var. *remyi*
Kauai 21—*Diellia mannii*–b	*Diellia mannii*	Diellia mannii
Kauai 21—*Labordia helleri*–i		Labordia helleri
Kauai 21—*Myrsine knudsenii*–b		Myrsine knudsenii
Kauai 21—*Myrsine mezii*–d		Myrsine mezii
Kauai 21—*Platydesma rostrata*–n		Platydesma rostrata
Kauai 21—*Psychotria grandiflora*–d		Psychotria grandiflora
Kauai 21—*Stenogyne kealiae*–f		Stenogyne kealiae
Kauai 21—*Tetraplasandra flynnii*–g		Tetraplasandra flynnii
Kauai 22—*Chamaesyce remyi* var. *remyi*–o		Chamaesyce remyi var. *remyi*
Kauai 22—*Diellia mannii*–c		Diellia mannii
Kauai 22—*Labordia helleri*–j		Labordia helleri
Kauai 22—*Myrsine knudsenii*–c		Myrsine knudsenii
Kauai 22—*Myrsine mezii*–e	*Myrsine mezii*	Myrsine mezii
Kauai 22—*Platydesma rostrata*–o		Platydesma rostrata
Kauai 22—*Psychotria grandiflora*–e		Psychotria grandiflora
Kauai 22—*Stenogyne kealiae*–g		Stenogyne kealiae
Kauai 22—*Tetraplasandra flynnii*–h		Tetraplasandra flynnii
Kauai 23—*Astelia waialealae*–c	*Astelia waialealae*	Astelia waialealae
Kauai 23—*Chamaesyce remyi* var. *remyi*–p	*Chamaesyce remyi* var. *remyi*	Chamaesyce remyi var. *remyi*
Kauai 23—*Dryopteris crinalis* var. *podosorus*–c	*Dryopteris crinalis* var. *podosorus*	Dryopteris crinalis var. *podosorus*
Kauai 23—*Dubautia kalalauensis*–c		Dubautia kalalauensis
Kauai 23—*Dubautia waialealae*–c	*Dubautia waialealae*	Dubautia waialealae

(cdlix) TABLE OF PROTECTED SPECIES WITHIN EACH CRITICAL HABITAT UNIT FOR KAUAI—Continued

Unit name	Species occupied	Species unoccupied
Kauai 23—*Geranium kauaiense*–c	*Geranium kauaiense*	Geranium kauaiense
Kauai 23—*Keysseria erici*–c	*Keysseria erici*	Keysseria erici
Kauai 23—*Keysseria helenae*–c	*Keysseria helenae*	Keysseria helenae
Kauai 23—*Labordia helleri*–k	*Labordia helleri*	Labordia helleri
Kauai 23—*Labordia pumila*–c	*Labordia pumila*	Labordia pumila
Kauai 23—*Lysimachia daphnoides*–c	*Lysimachia daphnoides*	Lysimachia daphnoides
Kauai 23—*Melicope degeneri*–c	*Melicope degeneri*	Melicope degeneri
Kauai 23—*Melicope puberula*–f	*Melicope puberula*	Melicope puberula
Kauai 23—*Myrsine mezii*–f	*Myrsine mezii*	Myrsine mezii
Kauai 23—*Phyllostegia renovans*–f	*Phyllostegia renovans*	Phyllostegia renovans
Kauai 23—*Platydesma rostrata*–p	*Platydesma rostrata*	Platydesma rostrata
Kauai 23—*Psychotria grandiflora*–f	.....	Psychotria grandiflora
Kauai 23—*Tetraplasandra flynnii*–i	.....	Tetraplasandra flynnii
Kauai 24—*Astelia waialealae*–d	*Astelia waialealae*	Astelia waialealae
Kauai 24—*Chamaesyce remyi* var. *remyi*–q	*Chamaesyce remyi* var. *remyi*	Chamaesyce remyi var. *remyi*
Kauai 24—*Dryopteris crinalis* var. *podosorus*–d	*Dryopteris crinalis* var. *podosorus*	Dryopteris crinalis var. *podosorus*
Kauai 24—*Dubautia kalalauensis*–d	.....	Dubautia kalalauensis
Kauai 24—*Dubautia waialealae*–d	*Dubautia waialealae*	Dubautia waialealae
Kauai 24—*Geranium kauaiense*–d	*Geranium kauaiense*	Geranium kauaiense
Kauai 24—*Keysseria erici*–d	*Keysseria erici*	Keysseria erici
Kauai 24—*Keysseria helenae*–d	*Keysseria helenae*	Keysseria helenae
Kauai 24—*Labordia helleri*–l	*Labordia helleri*	Labordia helleri
Kauai 24—*Labordia pumila*–d	*Labordia pumila*	Labordia pumila
Kauai 24—*Lysimachia daphnoides*–d	*Lysimachia daphnoides*	Lysimachia daphnoides
Kauai 24—*Melicope degeneri*–d	*Melicope degeneri*	Melicope degeneri
Kauai 24—*Melicope puberula*–g	*Melicope puberula*	Melicope puberula
Kauai 24—*Myrsine mezii*–g	*Myrsine mezii*	Myrsine mezii
Kauai 24—*Phyllostegia renovans*–g	*Phyllostegia renovans*	Phyllostegia renovans
Kauai 24—*Platydesma rostrata*–q	*Platydesma rostrata*	Platydesma rostrata
Kauai 24—*Psychotria grandiflora*–g	.....	Psychotria grandiflora
Kauai 24—*Tetraplasandra flynnii*–j	.....	Tetraplasandra flynnii
Kauai 25—*Astelia waialealae*–e	*Astelia waialealae*	Astelia waialealae
Kauai 25—*Chamaesyce remyi* var. *remyi*–r	*Chamaesyce remyi* var. *remyi*	Chamaesyce remyi var. *remyi*
Kauai 25—*Dryopteris crinalis* var. *podosorus*–e	*Dryopteris crinalis* var. *podosorus*	Dryopteris crinalis var. *podosorus*
Kauai 25—*Dubautia kalalauensis*–e	.....	Dubautia kalalauensis
Kauai 25—*Dubautia waialealae*–e	*Dubautia waialealae*	Dubautia waialealae
Kauai 25—*Geranium kauaiense*–e	*Geranium kauaiense*	Geranium kauaiense
Kauai 25—*Keysseria erici*–e	*Keysseria erici*	Keysseria erici
Kauai 25—*Keysseria helenae*–e	*Keysseria helenae*	Keysseria helenae
Kauai 25—*Labordia helleri*–m	*Labordia helleri*	Labordia helleri
Kauai 25—*Labordia pumila*–e	*Labordia pumila*	Labordia pumila
Kauai 25—*Lysimachia daphnoides*–e	*Lysimachia daphnoides*	Lysimachia daphnoides
Kauai 25—*Melicope degeneri*–e	*Melicope degeneri*	Melicope degeneri
Kauai 25—*Melicope puberula*–h	*Melicope puberula*	Melicope puberula
Kauai 25—*Myrsine mezii*–h	*Myrsine mezii*	Myrsine mezii
Kauai 25—*Phyllostegia renovans*–h	*Phyllostegia renovans*	Phyllostegia renovans
Kauai 25—*Platydesma rostrata*–r	*Platydesma rostrata*	Platydesma rostrata
Kauai 25—*Psychotria grandiflora*–h	.....	Psychotria grandiflora
Kauai 25—*Tetraplasandra flynnii*–k	.....	Tetraplasandra flynnii

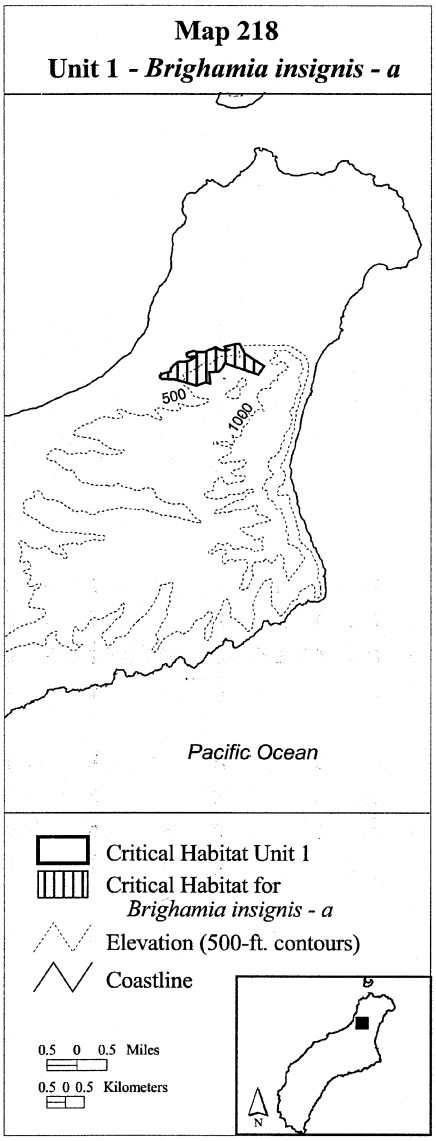
(2) *Niihau.* Critical habitat units are described below. Coordinates in UTM Zone 4 with units in meters using North American Datum of 1983 (NAD83). The following map shows the general location of the one critical habitat unit designated on the island of Niihau.

(i) Niihau 1—*Brighamia insignis*—a (144 ha; 357 ac)

(A) Unit consists of the following 52 boundary points: Start at 384729, 2427553; 384706, 2427627; 384746, 2427670; 384750, 2427684; 384766, 2427695; 384924, 2427730; 384995, 2427744; 384993, 2427821; 385066, 2427920; 385143, 2427974; 385186, 2428008; 385291, 2428014; 385421, 2428023; 385500, 2428057; 385605, 2428131; 385614, 2428162; 385546, 2428162; 385509, 2428133; 385435, 2428142; 385410, 2428184; 385415, 2428238; 385478, 2428278; 385597, 2428312; 385679, 2428287; 385801, 2428267; 385903, 2428282; 385977, 2428333; 386111, 2428376; 386173, 2428412; 386264, 2428364; 386326, 2428328; 386482, 2428317; 386530, 2428342; 386440, 2428385; 386428, 2428419; 386471,

2428436; 386539, 2428453; 386582, 2428467; 386732, 2428498; 386811, 2428496; 386814, 2428500; 386959, 2428247; 387475, 2427909; 387322, 2427686; 386416, 2427981; 386362, 2427840; 386256, 2427750; 386010, 2427731; 386042, 2427438; 385897, 2427457; 385678, 2427367; 385116, 2427542. return to starting point.

(B) NOTE: Map 218 follows:



(ii) TABLE OF PROTECTED SPECIES WITHIN EACH CRITICAL HABITAT UNIT FOR NIIHAU

Unit name	Species occupied	Species unoccupied
Niihau 1—*Brighamia insignis*—a	*Brighamia insignis*	

(b) *Plants on Kauai and Niihau; Constituent elements.*

(1) *Flowering plants.*

FAMILY AMARANATHACEAE: ***Charpentiera densiflora*** (PAPALA)

Kauai 7–*Charpentiera densiflora*–a, Kauai 10–*Charpentiera densiflora*–b, Kauai 11–*Charpentiera densiflora*–c, Kauai 11–*Charpentiera densiflora*–d, and Kauai 20–*Charpentiera densiflora*–e, identified in the legal descriptions in paragraph (a)(1) of this section, constitute critical habitat for *Charpentiera densiflora* on Kauai.

(i) In units Kauai 7–*Charpentiera densiflora*–a, and Kauai 11–*Charpentiera densiflora*–c, the primary constituent elements of critical habitat are:

(A) Elevation: Less than 3,000 ft (914 m).

(B) Annual precipitation: 50 to 75 inches (127 to 190 centimeters).

(C) Substrate: Shallow soils, little to no herbaceous layer.

(D) Canopy: *Acacia*, *Diospyros*, *Metrosideros*, *Myrsine*, *Pouteria*, *Santalum*.

(E) Subcanopy: *Dodonaea*, *Freycinetia*, *Leptecophylla*, *Melanthera*, *Osteomeles*, *Pleomele*, *Psydrax*.

(F) Understory: *Carex*, *Dicranopteris*, *Diplazium*, *Elaphoglossum*, *Peperomia*.

(ii) In units Kauai 10–*Charpentiera densiflora*–b, Kauai 11–*Charpentiera densiflora*–d, and Kauai 20–*Charpentiera densiflora*–e, the primary constituent elements of critical habitat are:

(A) Elevation: Less than 3,000 ft (914 m).

(B) Annual precipitation: Greater than 75 inches (190 centimeters).

(C) Substrate: Clays, ashbeds, deep well-drained soils, lowland bogs.

(D) Canopy: *Antidesma*, *Metrosideros*, *Myrsine*, *Pisonia*, *Psychotria*.

(E) Subcanopy: *Cibotium*, *Claoxylon*, *Kadua*, *Melicope*.

(F) Understory: *Alyxia*, *Cyrtandra*, *Dicranopteris*, *Diplazium*, *Machaerina*, *Microlepia*.

FAMILY APIACEAE: ***Peucedanum sandwicense*** (MAKOU)

Kauai 7—*Peucedanum sandwicense*—a, Kauai 11—*Peucedanum sandwicense*—b, and Kauai 11—*Peucedanum sandwicense*—c, identified in the legal descriptions in paragraph (a)(1) of this section, constitute critical habitat for *Peucedanum sandwicense* on Kauai. Within these units, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

(i) Cliff habitats in mixed shrub coastal dry cliff communities or diverse mesic forest and containing one or more of the following associated native plant species: *Acacia koa*, *Artemisia australis*, *Bidens* spp., *Brighamia insignis*, *Carex meyenii*, *Chamaesyce celastroides*, *Diospyros* spp., *Dodonaea viscosa*, *Eragrostis variabilis*, *Hibiscus kokio*, *Lobelia niihauensis*, *Metrosideros polymorpha*, *Panicum lineale*, *Psydrax odorata*, *Psychotria* spp., or *Wilkesia* spp.; and

(ii) Elevations between 119 and 1,232 m (391 and 4,041 ft).

FAMILY APIACEAE: ***Spermolepis hawaiiensis*** (NCN)

Kauai 11—*Spermolepis hawaiiensis*—a, Kauai 13—*Spermolepis hawaiiensis*—b, and Kauai 13—*Spermolepis hawaiiensis*—c, identified in the legal descriptions in paragraph (a)(1) of this section, constitute critical habitat for *Spermolepis hawaiiensis* on Kauai. Within these units, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

(i) *Metrosideros polymorpha* forests or *Dodonaea viscosa* lowland dry shrubland and containing one or more of the following associated plant species: *Bidens sandvicensis*, *Doryopteris* spp., *Eragrostis variabilis*, *Erythrina sandwicensis*, *Lipochaeta* spp., *Schiedea spergulina*, or *Sida fallax;* and

(ii) Elevations between 56 and 662 m (184 and 2,172 ft).

FAMILY APOCYNACEAE: ***Pteralyxia kauaiensis*** (KAULU)

Kauai 7—*Pteralyxia kauaiensis*—a, Kauai 10—*Pteralyxia kauaiensis*—b, Kauai 11—*Pteralyxia kauaiensis*—c, Kauai 11—*Pteralyxia kauaiensis*—d, Kauai 11—*Pteralyxia kauaiensis*—e, Kauai 11—*Pteralyxia kauaiensis*—f, and Kauai 11—*Pteralyxia kauaiensis*—g, identified in the legal descriptions in paragraph (a)(1) of this section, constitute critical habitat for *Pteralyxia kauaiensis* on Kauai. Within these units, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

(i) Diverse mesic or *Diospyros sandwicensis* mixed mesic forests with *Pisonia* spp. and containing one or more of the following associated plant species: *Acacia koa*, *Alectryon macrococcus*, *Alphitonia ponderosa*, *Antidesma platyphyllum* var. *hillebrandii*, *Bobea brevipes*, *Carex* spp., *Charpentiera elliptica*, *Claoxylon sandwicense*, *Cyanea* spp., *Dianella sandwicensis*, *Diospyros* spp., *Dodonaea viscosa*, *Diplazium sandwichianum*, *Euphorbia haeleeleana*, *Freycinetia arborea*, *Gahnia* spp., *Gardenia remyi*, *Hedyotis terminalis*, *Hibiscus kokio*, *Kokia kauaiensis*, *Leptecophylla tameiameiae*, *Metrosideros polymorpha*, *Myrsine lanaiensis*, *Neraudia* spp., *Nesoluma polynesicum*, *Nestegis sandwicensis*, *Peperomia* spp., *Pisonia sandwicensis*, *Pipturus* spp., *Pleomele aurea*, *Poa sandvicensis*, *Pouteria sandwicensis*, *Pritchardia* spp., *Psydrax odorata*, *Psychotria* spp., *Rauvolfia sandwicensis*, *Santalum freycinetianum* var. *pyrularium*, *Schiedea* spp., *Syzygium sandwicensis*, *Tetraplasandra* spp., *Xylosma hawaiiense*, or *Zanthoxylum dipetalum;* and

(ii) Elevations between 127 and 1,563 m (418 and 5,128 ft).

FAMILY ARALIACEAE: ***Munroidendron racemosum*** (NCN)

Kauai 5—*Munroidendron racemosum*—a, Kauai 7—*Munroidendron racemosum*—b, Kauai 11—*Munroidendron racemosum*—c, and Kauai 11—*Munroidendron racemosum*—d, identified in the legal descriptions in paragraph (a)(1) of this section, constitute critical habitat for *Munroidendron racemosum* on Kauai. Within these units the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

(i) Steep exposed cliffs or ridge slopes in coastal or lowland mesic forest and containing one or more of the following associated plant species: *Bobea brevipes*, *Brighamia insignis*, *Canavalia napaliensis*, *Diospyros sandwicensis*, *Diospyros hillebrandii*, *Nestegis sandwicensis*, *Pisonia sandwicensis*, *Pisonia umbellifera*, *Pleomele aurea*, *Pouteria sandwicensis*, *Psychotria* spp., *Psydrax odorata*, *Rauvolfia sandwicensis*, *Schiedea* spp., *Sida fallax*, or *Tetraplasandra* spp.; and

(ii) Elevations between 11 and 938 m (37 and 3,077 ft).

FAMILY ARALIACEAE: ***Tetraplasandra bisattenuata*** (NCN)

Kauai 7–*Tetraplasandra bisattenuata*–a, Kauai 10–*Tetraplasandra bisattenuata*–b, Kauai 11–*Tetraplasandra bisattenuata*–c, Kauai 11–*Tetraplasandra bisattenuata*–d, and Kauai 20–*Tetraplasandra bisattenuata*–e, identified in the legal descriptions in paragraph (a)(1) of this section, constitute critical habitat for *Tetraplasandra bisattenuata* on Kauai.

(i) In units Kauai 7–*Tetraplasandra bisattenuata*–a, and Kauai 11–*Tetraplasandra bisattenuata*–c, the primary constituent elements of critical habitat are:

(A) Elevation: Less than 3,000 ft (914 m).

(B) Annual precipitation: 50 to 75 inches (127 to 190 centimeters).

(C) Substrate: Shallow soils, little to no herbaceous layer.

(D) Canopy: *Acacia*, *Diospyros*, *Metrosideros*, *Myrsine*, *Pouteria*, *Santalum*.

(E) Subcanopy: *Dodonaea*, *Freycinetia*, *Leptecophylla*, *Melanthera*, *Osteomeles*, *Pleomele*, *Psydrax*.

(F) Understory: *Carex*, *Dicranopteris*, *Diplazium*, *Elaphoglossum*, *Peperomia*.

(ii) In units Kauai 10–*Tetraplasandra bisattenuata*–b, Kauai 11–*Tetraplasandra bisattenuata*–d, and Kauai 20–*Tetraplasandra bisattenuata*–e, the primary constituent elements of critical habitat are:

(A) Elevation: Less than 3,000 ft (914 m).

(B) Annual precipitation: Greater than 75 inches (190 centimeters).

(C) Substrate: Clays, ashbeds, deep well-drained soils, lowland bogs.

(D) Canopy: *Antidesma*, *Metrosideros*, *Myrsine*, *Pisonia*, *Psychotria*.

(E) Subcanopy: *Cibotium*, *Claoxylon*, *Kadua*, *Melicope*.

(F) Understory: *Alyxia*, *Cyrtandra*, *Dicranopteris*, *Diplazium*, *Machaerina*, *Microlepia*.

FAMILY ARALIACEAE: ***Tetraplasandra flynnii*** (NCN)

Kauai 10–*Tetraplasandra flynnii*–a, Kauai 10–*Tetraplasandra flynnii*–b, Kauai 11–*Tetraplasandra flynnii*–c, Kauai 11–*Tetraplasandra flynnii*–d, Kauai 11–*Tetraplasandra flynnii*–e, Kauai 20–*Tetraplasandra flynnii*–f, Kauai 21–*Tetraplasandra flynnii*–g, Kauai 22–*Tetraplasandra flynnii*–h, Kauai 23–*Tetraplasandra flynnii*–i, Kauai 24–*Tetraplasandra flynnii*–j, and Kauai 25–*Tetraplasandra flynnii*–k, identified in the legal descriptions in paragraph (a)(1) of this section, constitute critical habitat for *Tetraplasandra flynnii* on Kauai.

(i) In units Kauai 11–*Tetraplasandra flynnii*–e, Kauai 21–*Tetraplasandra flynnii*–g, and Kauai 22–*Tetraplasandra flynnii*–h, the primary constituent elements of critical habitat are:

(A) Elevation: 3,000 to 5,243 ft (914 to 1,598 m).

(B) Annual precipitation: 50 to 75 inches (127 to 190 centimeters).

(C) Substrate: Weathered aa lava flows, rocky mucks, thin silty loams, deep volcanic ash soils.

(D) Canopy: *Acacia*, *Metrosideros*, *Psychotria*, *Tetraplasandra*, *Zanthoxylum*.

(E) Subcanopy: *Cheirodendron*, *Coprosma*, *Kadua*, *Ilex*, *Myoporum*, *Myrsine*.

(F) Understory: *Bidens*, *Dryopteris*, *Leptecophylla*, *Poa*, *Scaevola*, *Sophora*.

(ii) In units Kauai 10–*Tetraplasandra flynnii*–a, Kauai 11–*Tetraplasandra flynnii*–c, Kauai 23–*Tetraplasandra flynnii*–i, Kauai 24–*Tetraplasandra flynnii*–j, and Kauai 25–*Tetraplasandra flynnii*–k, the primary constituent elements of critical habitat are:

(A) Elevation: 3,000 to 5,243 ft (914 to 1,598 m).

(B) Annual precipitation: Greater than 75 inches (190 centimeters).

(C) Substrate: Well-developed soils, montane bogs.

(D) Canopy: *Acacia*, *Charpentiera*, *Cheirodendron*, *Metrosideros*.

(E) Subcanopy: *Broussaisia*, *Cibotium*, *Eurya*, *Ilex*, *Myrsine*.

(F) Understory: Ferns, *Carex*, *Coprosma*, *Leptecophylla*, *Oreobolus*, *Rhynchospora*, *Vaccinium*.

(iii) In units Kauai 10–*Tetraplasandra flynii*–b, Kauai 11–*Tetraplasandra flynii*–d, and Kauai 20–*Tetraplasandra flynnii*–f, the primary constituent elements of critical habitat are:

(A) Elevation: Less than 3,000 ft (914 m).

(B) Annual precipitation: Greater than 75 inches (190 centimeters).

(C) Substrate: Clays, ashbeds, deep well-drained soils, lowland bogs.

(D) Canopy: *Antidesma*, *Metrosideros*, *Myrsine*, *Pisonia*, *Psychotria*.

(E) Subcanopy: *Cibotium*, *Claoxylon*, *Kadua*, *Melicope*.

(F) Understory: *Alyxia*, *Cyrtandra*, *Dicranopteris*, *Diplazium*, *Machaerina*, *Microlepia*.

FAMILY ASTELIACEAE: ***Astelia waialealae*** (PAINIU)

Kauai 10–*Astelia waialealae*–a, Kauai 11–*Astelia waialealae*–b, Kauai 23–*Astelia waialealae*–c, Kauai 24–*Astelia waialealae*–d, and Kauai 25–*Astelia waialealae*–e, identified in the legal descriptions in paragraph (a)(1) of this section, constitute critical habitat for *Astelia waialealae* on Kauai. Within these units, the primary constituent elements of critical habitat are:

(i) Elevation: 3,000 to 5,243 ft (914 to 1,598 m).

(ii) Annual precipitation: Greater than 75 inches (190 centimeters).

(iii) Substrate: Well-developed soils, montane bogs.

(iv) Canopy: *Acacia*, *Charpentiera*, *Cheirodendron*, *Metrosideros*.

(v) Subcanopy: *Broussaisia*, *Cibotium*, *Eurya*, *Ilex*, *Myrsine*.

(vi) Understory: Ferns, *Carex*, *Coprosma*, *Leptecophylla*, *Oreobolus*, *Rhynchospora*, *Vaccinium*.

(vii) Hummocks in bogs.

FAMILY ASTERACEAE: ***Dubautia imbricata*** SSP. *imbricata* (NAENAE)

Kauai 10–*Dubautia imbricata* ssp. *imbricata*–a, Kauai 11–*Dubautia imbricata* ssp. *imbricata*–b, and Kauai 20–*Dubautia imbricata* ssp. *imbricata*–c, identified in the legal descriptions in paragraph (a)(1) of this section, constitute critical habitat for *Dubautia imbricata* ssp. *imbricata* on Kauai. Within these units, the primary constituent elements of critical habitat are:

(i) Elevation: Less than 3,000 ft (914 m).

(ii) Annual precipitation: Greater than 75 inches (190 centimeters).

(iii) Substrate: Clays, ashbeds, deep well-drained soils, lowland bogs.

(iv) Canopy: *Antidesma, Metrosideros, Myrsine, Pisonia, Psychotria.*

(v) Subcanopy: *Cibotium, Claoxylon, Kadua, Melicope.*

(vi) Understory: *Alyxia, Cyrtandra, Dicranopteris, Diplazium, Machaerina, Microlepia.*

FAMILY ASTERACEAE: ***Dubautia kalalauensis*** (NAENAE)

Kauai 10–*Dubautia kalalauensis*–a, Kauai 11–*Dubautia kalalauensis*–b, Kauai 23–*Dubautia kalalauensis*–c, Kauai 24–*Dubautia kalalauensis*–d, and Kauai 25–*Dubautia kalalauensis*–e, identified in the legal descriptions in paragraph (a)(1) of this section, constitute critical habitat for *Dubautia kalalauensis* on Kauai. Within these units, the primary constituent elements of critical habitat are:

(i) Elevation: 3,000 to 5,243 ft (914 to 1,598 m).

(ii) Annual precipitation: Greater than 75 inches (190 centimeters).

(iii) Substrate: Well-developed soils, montane bogs.

(iv) Canopy: *Acacia, Charpentiera, Cheirodendron, Metrosideros.*

(v) Subcanopy: *Broussaisia, Cibotium, Eurya, Ilex, Myrsine.*

(vi) Understory: Ferns, *Carex, Coprosma, Leptecophylla, Oreobolus, Rhynchospora, Vaccinium.*

FAMILY ASTERACEAE: ***Dubautia kenwoodii*** (NAENAE)

Kauai 7–*Dubautia kenwoodii*–a and Kauai 11–*Dubautia kenwoodii*–b, identified in the legal descriptions in paragraph (a)(1) of this section, constitute critical habitat for *Dubautia kenwoodii* on Kauai. Within these units, the primary constituent elements of critical habitat are:

(i) Elevation: Less than 3,000 ft (914 m).

(ii) Annual precipitation: 50 to 75 inches (127 to 190 centimeters).

(iii) Substrate: Shallow soils, little to no herbaceous layer.

(iv) Canopy: *Acacia, Diospyros, Metrosideros, Myrsine, Pouteria, Santalum.*

(v) Subcanopy: *Dodonaea, Freycinetia, Leptecophylla, Melanthera, Osteomeles, Pleomele, Psydrax.*

(vi) Understory: *Carex, Dicranopteris, Diplazium, Elaphoglossum, Peperomia.*

FAMILY ASTERACEAE: ***Dubautia latifolia*** (NAENAE)

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

(i) Gentle or steep slopes on well drained soil in semi-open or closed, diverse montane mesic forest dominated by *Acacia koa* and/or *Metrosideros polymorpha* and containing one or more of the following native plant species: *Alphitonia ponderosa, Antidesma platyphyllum, Bobea* spp., *Claoxylon sandwicense, Coprosma waimeae, Cyrtandra* spp., *Dicranopteris linearis, Diplazium sandwichianum, Dodonaea viscosa, Elaeocarpus bifidus, Hedyotis terminalis, Ilex anomala, Melicope anisata, Nestegis sandwicensis, Pleomele aurea, Pouteria sandwicensis, Psychotria mariniana, Scaevola* spp., or *Xylosma* spp.; and

(ii) Elevations between 545 and 1,277 m (1,786 and 4,189 ft).

FAMILY ASTERACEAE: ***Dubautia pauciflorula*** (NAENAE)

Kauai 10—*Dubautia pauciflorul*—a, identified in the legal description in paragraph (a)(1) of this section, constitutes critical habitat for *Dubautia pauciflorula* on Kauai. Within this unit,

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

(i) *Metrosideros polymorpha-Dicranopteris linearis* lowland wet forest within stream drainages containing one or more of the following associated native plant species: *Antidesma platyphyllum*, *Broussaisia arguta*, *Cheirodendron* spp., *Dubautia laxa*, *Embelia pacifica*, *Hesperomannia lydgatei*, *Labordia waialealae*, *Melicope* spp., *Nothoperanema rubiginosa*, *Pritchardia* spp., *Psychotria* spp., *Sadleria* spp., *Scaevola mollis*, *Syzygium sandwicensis*, or *Tetraplasandra* spp.; and

(ii) Elevations between 564 and 1,094 m (1,849 and 3,587 ft).

FAMILY ASTERACEAE: ***Dubautia plantaginea*** SSP. *magnifolia* (NAENAE)

Kauai 4–*Dubautia plantaginea* ssp. *magnifolia*–a, Kauai 10–*Dubautia plantaginea* ssp. *magnifolia*–b, Kauai 11–*Dubautia plantaginea* ssp. *magnifolia*–c, Kauai 18–*Dubautia plantaginea* ssp. *magnifolia*–d, and Kauai 19–*Dubautia plantaginea* ssp. *magnifolia*–e, identified in the legal descriptions in paragraph (a)(1) of this section, constitute critical habitat for *Dubautia plantaginea* ssp. *magnifolia* on Kauai. Within these units, the primary constituent elements of critical habitat are:

(i) Annual precipitation: Greater than 75 inches (190 centimeters).

(ii) Substrate: Greater than 65 degree slope, shallow soils, weathered lava.

(iii) Subcanopy: *Broussaisia*, *Cheirodendron*, *Leptecophylla*, *Metrosideros*.

(iv) Understory: Ferns, Bryophytes, *Coprosoma*, *Dubautia*, *Kadua*, *Peperomia*.

FAMILY ASTERACEAE: ***Dubautia waialealae*** (NAENAE)

Kauai 10–*Dubautia waialealae*–a, Kauai 11–*Dubautia waialealae*–b, Kauai 23–*Dubautia waialealae*–c, Kauai 24–*Dubautia waialealae*–d, and Kauai 25–*Dubautia waialealae*–e, identified in the legal descriptions in paragraph (a)(1) of this section, constitute critical habitat for *Dubautia waialealae* on Kauai. Within these units, the primary constituent elements of critical habitat are:

(i) Elevation: 3,000 to 5,243 ft (914 to 1,598 m).

(ii) Annual precipitation: Greater than 75 inches (190 centimeters).

(iii) Substrate: Well-developed soils, montane bogs.

(iv) Canopy: *Acacia*, *Charpentiera*, *Cheirodendron*, *Metrosideros*.

(v) Subcanopy: *Broussaisia*, *Cibotium*, *Eurya*, *Ilex*, *Myrsine*.

(vi) Understory: Ferns, *Carex*, *Coprosma*, *Leptecophylla*, *Oreobolus*, *Rhynchospora*, *Vaccinium*.

(vii) Bogs.

FAMILY ASTERACEAE: ***Hesperomannia lydgatei*** (NCN)

Kauai 10—*Hesperomannia lydgatei*—a, Kauai 11—*Hesperomannia lydgatei*—b, and Kauai 11—*Hesperomannia lydgatei*—c, identified in the legal descriptions in paragraph (a)(1) of this section, constitute critical habitat for *Hesperomannia lydgatei* on Kauai. Within these units, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

(i) Stream banks and forested slopes in rich brown soil and silty clay in *Metrosideros polymorpha* or *Metrosideros polymorpha-Dicranopteris linearis* lowland wet forest and containing one or more of the following associated native plant species: *Adenophorus periens*, *Antidesma platyphyllum*, *Broussaisia arguta*, *Cheirodendron* spp., *Cyanea* spp., *Dubautia knudsenii*, *Dubautia laxa*, *Dubautia pauciflorula*, *Dubautia raillardioides*, *Elaphoglossum* spp., *Freycinetia arborea*, *Hedyotis terminalis*, *Labordia lydgatei*, *Machaerina angustifolia*, *Peperomia* spp., *Pritchardia* spp., *Psychotria hexandra*, or *Syzygium sandwicensis;* and

(ii) Elevations between 207 and 1,344 m (680 and 4,409 ft).

FAMILY ASTERACEAE: ***Keysseria erici*** (NCN)

Kauai 10–*Keysseria erici*–a, Kauai 11–*Keysseria erici*–b, Kauai 23–*Keysseria erici*–c, Kauai 24–*Keysseria erici*–d, and Kauai 25–*Keysseria erici*–e, identified in the legal descriptions in paragraph (a)(1) of this section, constitute critical habitat for *Keysseria erici* on Kauai.

Within these units, the primary constituent elements of critical habitat are:

(i) Elevation: 3,000 to 5,243 ft (914 to 1,598 m).

(ii) Annual precipitation: Greater than 75 inches (190 centimeters).

(iii) Substrate: Well-developed soils, montane bogs.

(iv) Canopy: *Acacia*, *Charpentiera*, *Cheirodendron*, *Metrosideros*.

(v) Subcanopy: *Broussaisia*, *Cibotium*, *Eurya*, *Ilex*, *Myrsine*.

(vi) Understory: Ferns, *Carex*, *Coprosma*, *Leptecophylla*, *Oreobolus*, *Rhynchospora*, *Vaccinium*.

(vii) Bogs.

FAMILY ASTERACEAE: ***Keysseria helenae*** (NCN)

Kauai 10–*Keysseria helenae*–a, Kauai 11–*Keysseria helenae*–b, Kauai 23–*Keysseria helenae*–c, Kauai 24–*Keysseria helenae*–d, and Kauai 25–*Keysseria helenae*–e, identified in the legal descriptions in paragraph (a)(1) of this section, constitute critical habitat for *Keysseria helenae* on Kauai. Within these units, the primary constituent elements of critical habitat are:

(i) Elevation: 3,000 to 5,243 ft (914 to 1,598 m).

(ii) Annual precipitation: Greater than 75 inches (190 centimeters).

(iii) Substrate: Well-developed soils, montane bogs.

(iv) Canopy: *Acacia*, *Charpentiera*, *Cheirodendron*, *Metrosideros*.

(v) Subcanopy: *Broussaisia*, *Cibotium*, *Eurya*, *Ilex*, *Myrsine*.

(vi) Understory: Ferns, *Carex*, *Coprosma*, *Leptecophylla*, *Oreobolus*, *Rhynchospora*, *Vaccinium*.

(vii) Bogs.

FAMILY ASTERACEAE: ***Lipochaeta fauriei*** (NEHE)

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

(i) Moderate shade to full sun on the sides of steep gulches in diverse lowland mesic forests and containing one or more of the following native species: *Acacia koa*, *Carex meyenii*, *Carex wahuensis*, *Dicranopteris linearis*, *Diospyros* spp., *Dodonaea viscosa*, *Euphorbia haeleeleana*, *Hibiscus waimeae*, *Kokia kauaiensis*, *Myrsine lanaiensis*, *Nestegis sandwicensis*, *Pleomele aurea*, *Psychotria greenwelliae*, *Psychotria mariniana*, *or Sapindus oahuensis;* and

(ii) Elevations between 438 and 948 m (1,438 and 3,108 ft).

FAMILY ASTERACEAE: ***Lipochaeta micrantha*** (NEHE)

Kauai 7—*Lipochaeta micrantha*—a, and Kauai 11—*Lipochaeta micrantha*—b, identified in the legal descriptions in paragraph (a)(1) of this section, constitute critical habitat for *Lipochaeta micrantha* on Kauai. Within these units the currently known primary constituent elements of critical habitat for *Lipochaeta micrantha* are the habitat components provided by:

(i) Cliffs, ridges, stream banks, or slopes in mesic to wet mixed communities and containing one or more of the following associated native plant species: *Acacia koa*, *Antidesma* spp., *Artemisia australis*, *Bidens sandvicensis*, *Bobea* spp., *Chamaesyce celastroides* var. *hanapepensis*, *Diospyros* spp., *Dodonaea viscosa*, *Eragrostis grandis*, *Eragrostis variabilis*, *Hibiscus kokio*, *Lepidium bidentatum*, *Lobelia niihauensis*, *Melicope* spp., *Metrosideros polymorpha*, *Neraudia kauaiensis*, *Nototrichium* spp., *Pipturus* spp., *Plectranthus parviflorus*, *Pleomele aurea*, *Psydrax odorata*, *Rumex albescens*, *Sida fallax*, or *Xylosma hawaiiense;* and

(ii) Elevations between 127 and 1,090 m (418 and 3,574 ft).

FAMILY ASTERACEAE: ***Lipochaeta waimeaensis*** (NEHE)

Kauai 13—*Lipochaeta waimeaensis*—a, identified in the legal description in paragraph (a)(1) of this section, constitutes critical habitat for *Lipochaeta waimeaensis* on Kauai. Within this unit, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

(i) Precipitous, shrub-covered gulches in diverse lowland forest and containing one or more of the following associated native plant species: *Artemisia australis*, *Chamaesyce celastroides*, *Dodonaea viscosa*, *Lipochaeta connata*, *Santalum freycinetianum*, *Schiedea spergulina*, or *Panicum* spp.; and

(ii) Elevations between 44 and 409 m (145 and 1,340 ft).

FAMILY ASTERACEAE: ***Remya kauaiensis*** (NCN)

Kauai 11—*Remya kauaiensis*—a, Kauai 11—*Remya kauaiensis*—b, Kauai 11—*Remya kauaiensis*—c, Kauai 11—*Remya kauaiensis*—d, Kauai 11—*Remya kauaiensis*—e, and Kauai 12—*Remya kauaiensis*—f, identified in the legal descriptions in paragraph (a)(1) of this section, constitute critical habitat for *Remya kauaiensis* on Kauai. Within these units, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

(i) Steep, north or northeast-facing slopes in *Acacia koa-Metrosideros* polymorpha lowland mesic forest and containing one or more of the following associated native plant species: *Chamaesyce* spp., *Claoxylon sandwicense*, *Dianella sandwicensis*, *Diospyros* spp., *Dodonaea viscosa*, *Hedyotis terminalis*, *Melicope* spp., *Nestegis sandwicensis*, *Pouteria sandwicensis*, *Psychotria* spp., *Schiedea* spp., or *Tetraplasandra* spp.; and

(ii) Elevations between 560 and 1,249 m (1,836 and 4,097 ft).

FAMILY ASTERACEAE: ***Remya montgomeryi*** (NCN)

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

(i) Steep, north or northeast-facing slopes or cliffs in transitional wet or *Metrosideros polymorpha*-dominated mixed mesic forest and containing one or more of the following associated native plant species: *Artemisia australis*, *Bobea* spp., *Boehmeria grandis*, *Cheirodendron* spp., *Claoxylon sandwicense*, *Cyrtandra* spp., *Dubautia* spp., *Ilex anomala*, *Lepidium serra*, *Lysimachia* spp., *Myrsine linearifolia*, *Nototrichium* spp., *Pleomele aurea*, *Poa mannii*, *Sadleria* spp., *Scaevola* spp., *Stenogyne campanulata*, *Tetraplasandra* spp., or *Zanthoxylum dipetalum;* and

(ii) Elevations between 336 and 1,345 m (1,102 and 4,411 ft).

FAMILY ASTERACEAE: ***Wilkesia hobdyi*** (DWARF ILIAU)

Kauai 11—*Wilkesia hobdyi*—a, identified in the legal description in paragraph (a)(1) of this section, constitutes critical habitat for *Wilkesia hobdyi* on Kauai. Within this unit, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

(i) Coastal dry cliffs or very dry ridges containing one or more of the following associated native plant species: *Artemisia australis*, *Dodonaea viscosa*, *Eragrostis variabilis*, *Hibiscus kokio* ssp. *saint johnianus*, *Lipochaeta connata*, *Lobelia niihauensis*, *Myoporum sandwicense*, *Peperomia blanda*, *Peperomia* spp., *Peperomia tetraphylla*, *Peucedanum sandwicense*, *Psydrax odorata*, *Sida fallax*, *Waltheria indica*, or *Wilkesia gymnoxiphium;* and

(ii) Elevations between 12 and 685 m (40 and 2,246 ft).

FAMILY CAMPANULACEAE: ***Brighamia insignis*** (OLULU)

Kauai 6—*Brighamia insignis*—a, Kauai 7—*Brighamia insignis*—b, and Kauai 11—*Brighamia insignis*—c identified in the legal descriptions in paragraph (a)(1) of this section, and Niihau 1—*Brighamia insignis*—a, identified in the legal description in paragraph (a)(2) of this section, constitute critical habitat for *Brighamia insignis* on Kauai and Niihau. Within these units, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

(i) Rocky ledges with little soil or steep sea cliffs in lowland dry grasslands or shrublands with annual rainfall that is usually less than 170 cm (65

in) and containing one or more of the following native plant species: *Artemisia australis*, *Chamaesyce celastroides*, *Eragrostis variabilis*, *Heteropogon contortus*, *Hibiscus kokio*, *Hibiscus kokio* ssp. *saintjohnianus*, *Lepidium serra*, *Lipochaeta succulenta*, *Munroidendron racemosum*, or *Sida fallax;* and

(ii) Elevations between 0 and 748 m (0 and 2,453 ft).

FAMILY CAMPANULACEAE: ***Cyanea asarifolia*** (HAHA)

Kauai 4—*Cyanea asarifolia*—a, and Kauai 10—*Cyanea asarifolia*—b, identified in the legal descriptions in paragraph (a)(1) of this section, constitute critical habitat for *Cyanea asarifolia* on Kauai. Within these units, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

(i) Pockets of soil on sheer wet rock cliffs and waterfalls in lowland wet forests and containing one or more of the following native plant species: *Bidens* spp., *Dubautia plantaginea*, *Hedyotis centranthoides*, *Hedyotis elatior*, *Lysimachia filifolia*, *Machaerina angustifolia*, *Metrosideros polymorpha*, or *Panicum lineale;* and

(ii) Elevations between 182 and 1,212 m (597 and 3,976 ft).

FAMILY CAMPANULACEAE: ***Cyanea dolichopoda*** (HAHA)

Kauai 4–*Cyanea dolichopoda*–a, Kauai 10–*Cyanea dolichopoda*–b, Kauai 11–*Cyanea dolichopoda*–c, Kauai 18–*Cyanea dolichopoda*–d, and Kauai 19–*Cyanea dolichopoda*–e, identified in the legal descriptions in paragraph (a)(1) of this section, constitute critical habitat for *Cyanea dolichopoda* on Kauai. Within these units, the primary constituent elements of critical habitat are:

(i) Annual precipitation: Greater than 75 inches (190 centimeters).

(ii) Substrate: Greater than 65 degree slope, shallow soils, weathered lava.

(iii) Subcanopy: *Broussaisia*, *Cheirodendron*, *Leptecophylla*, *Metrosideros*.

(iv) Understory: Ferns, Bryophytes, *Coprosoma*, *Dubautia*, *Kadua*, *Peperomia*.

FAMILY CAMPANULACEAE: ***Cyanea eleeleensis*** (HAHA)

Kauai 10–*Cyanea eleeleensis*–a, Kauai 11–*Cyanea eleeleensis*–b, and Kauai 20–*Cyanea eleeleensis*–c, identified in the legal descriptions in paragraph (a)(1) of this section, constitute critical habitat for *Cyanea eleeleensis* on Kauai. Within these units, the primary constituent elements of critical habitat are:

(i) Elevation: Less than 3,000 ft (914 m).

(ii) Annual precipitation: Greater than 75 inches (190 centimeters).

(iii) Substrate: Clays, ashbeds, deep well-drained soils, lowland bogs.

(iv) Canopy: *Antidesma*, *Metrosideros*, *Myrsine*, *Pisonia*, *Psychotria*.

(v) Subcanopy: *Cibotium*, *Claoxylon*, *Kadua*, *Melicope*.

(vi) Understory: *Alyxia*, *Cyrtandra*, *Dicranopteris*, *Diplazium*, *Machaerina*, *Microlepia*.

FAMILY CAMPANULACEAE: ***Cyanea kolekoleensis*** (HAHA)

Kauai 10–*Cyanea kolekoleensis*–a, Kauai 11–*Cyanea kolekoleensis*–b, and Kauai 20–*Cyanea kolekoleensis*–c, identified in the legal descriptions in paragraph (a)(1) of this section, constitute critical habitat for *Cyanea kolekoleensis* on Kauai. Within these units, the primary constituent elements of critical habitat are:

(i) Elevation: Less than 3,000 ft (914 m).

(ii) Annual precipitation: Greater than 75 inches (190 centimeters).

(iii) Substrate: Clays, ashbeds, deep well-drained soils, lowland bogs.

(iv) Canopy: *Antidesma*, *Metrosideros*, *Myrsine*, *Pisonia*, *Psychotria*.

(v) Subcanopy: *Cibotium*, *Claoxylon*, *Kadua*, *Melicope*.

(vi) Understory: *Alyxia*, *Cyrtandra*, *Dicranopteris*, *Diplazium*, *Machaerina*, *Microlepia*.

FAMILY CAMPANULACEAE: ***Cyanea kuhihewa*** (HAHA)

Kauai 10–*Cyanea kuhihewa*–a, Kauai 11–*Cyanea kuhihewa*–b, and Kauai 20–*Cyanea kuhihewa*–c, identified in the legal descriptions in paragraph (a)(1) of this section, constitute critical habitat for *Cyanea kuhihewa* on Kauai. Within

these units, the primary constituent elements of critical habitat are:

(i) Elevation: Less than 3,000 ft (914 m).

(ii) Annual precipitation: Greater than 75 inches (190 centimeters).

(iii) Substrate: Clays, ashbeds, deep well-drained soils, lowland bogs.

(iv) Canopy: *Antidesma*, *Metrosideros*, *Myrsine*, *Pisonia*, *Psychotria*.

(v) Subcanopy: *Cibotium*, *Claoxylon*, *Kadua*, *Melicope*.

(vi) Understory: *Alyxia*, *Cyrtandra*, *Dicranopteris*, *Diplazium*, *Machaerina*, *Microlepia*.

FAMILY CAMPANULACEAE: ***Cyanea recta*** (HAHA)

Kauai 4—*Cyanea recta*—a, Kauai 4—*Cyanea recta*—b, Kauai 11—*Cyanea recta*—c, and Kauai 11—*Cyanea recta*—d, identified in the legal descriptions in paragraph (a)(1) of this section, constitute critical habitat for *Cyanea recta* on Kauai. Within these units, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

(i) Gulches or slopes in lowland wet or mesic *Metrosideros polymorpha* forest or shrubland and containing one or more of the following native plant species: *Antidesma platyphyllum*, *Cheirodendron platyphyllum*, *Cibotium* spp., *Dicranopteris linearis*, *Diplazium* spp., or *Psychotria* spp.; and

(ii) Elevations between 297 and 1,345 m (975 and 4,411 ft).

FAMILY CAMPANULACEAE: ***Cyanea remyi*** (HAHA)

Kauai 4—*Cyanea remyi*—a, Kauai 10—*Cyanea remyi*—b, Kauai 11—*Cyanea remyi*—c, and Kauai 11—*Cyanea remyi*—d, identified in the legal descriptions in paragraph (a)(1) of this section, constitute critical habitat for *Cyanea remyi* on Kauai. Within these units, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

(i) Narrow drainages and wet stream banks in lowland wet forest or shrubland and containing one or more of the following native plant species: various grammitid and filmy ferns (Grammitidaceae and Hymenophyllaceae), *Adenophorus* spp., *Antidesma platyphyllum*, *Bidens* spp., *Broussaisia arguta*, *Cheirodendron* spp., *Cyrtandra* spp., *Diplazium sandwichianum*, *Eragrostis grandis*, *Freycinetia arborea*, *Hedyotis terminalis*, *Machaerina angustifolia*, *Metrosideros polymorpha*, *Perrottetia sandwicensis*, *Pipturus* spp., *Psychotria hexandra*, *Syzygium sandwicensis*, *Thelypteris* spp., *Touchardia latifolia*, or *Urera glabra;* and

(ii) Elevations between 219 and 1,089 m (719 and 3,571 ft).

FAMILY CAMPANULACEAE: ***Cyanea undulata*** (HAHA)

Kauai 10—*Cyanea undulata*—a, identified in the legal description in paragraph (a)(1) of this section, constitutes critical habitat for *Cyanea undulata* on Kauai. Within this unit, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

(i) Narrow drainages and wet stream banks in *Metrosideros polymorpha* dry to montane wet forest or shrubland and containing one or more of the following associated native species: various grammitid and filmy ferns (Grammitidaceae and Hymenophyllaceae), *Adenophorus* spp., *Antidesma platyphyllum*, *Bidens* spp., *Broussaisia arguta*, *Cheirodendron* spp., *Diplazium sandwichianum*, *Dryopteris glabra*, *Eragrostis grandis*, *Freycinetia arborea*, *Machaerina angustifolia*, *Mariscus* spp., *Melicope feddei*, *Perrottetia sandwicensis*, *Pipturus* spp., *Psychotria hexandra*, *Psychotria mariniana*, *Sadleria pallida*, *Sadleria squarrosa*, *Smilax melastomifolia*, *Sphenomeris chinensis*, *Syzygium sandwicensis*, or *Thelypteris* spp.; and

(ii) Elevations between 375 and 1,046 m (1,231 and 3,430 ft).

FAMILY CAMPANULACEAE: ***Delissea rhytidosperma*** (NO COMMON NAME)

Kauai 7—*Delissea rhytidosperma*—a, Kauai 11—*Delissea rhytidosperma*—b, and Kauai 11—*Delissea rhytidosperma*—c, identified in the legal descriptions in paragraph (a)(1) of this section, constitute critical habitat for *Delissea rhytidosperma* on Kauai. Within these units, the currently known primary

constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

(i) Well-drained soils with medium or fine-textured subsoil in Diospyros diverse lowland mesic forests or diverse *Metrosideros polymorpha-Acacia koa* forests and containing one or more of the following native species: *Adenophorus* spp., *Cyanea* spp., *Dianella sandwicensis*, *Diospyros sandwicensis*, *Dodonaea viscosa*, *Doodia kunthiana*, *Euphorbia haeleeleana*, grammitid ferns (Grammitidaceae), *Hedyotis* spp., *Leptecophylla tameiameiae*, *Microlepia strigosa*, *Nestegis sandwicensis*, *Pisonia* spp., *Psychotria hobdyi*, or *Pteralyxia kauaiensis;* and

(ii) Elevations between 167 and 895 m (547 and 2,935 ft).

FAMILY CAMPANULACEAE: ***Delissea rivularis*** (OHA)

Kauai 11—*Delissea rivularis*—a, identified in the legal description in paragraph (a)(1) of this section, constitutes critical habitat for *Delissea rivularis* on Kauai. Within this unit, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

(i) Steep slopes near streams in *Metrosideros polymorpha-Cheirodendron trigynum* montane wet or mesic forest and containing one or more of the following native plant species: *Boehmeria grandis*, *Broussaisia arguta*, *Carex* spp., *Coprosma* spp., *Diplazium sandwichianum*, *Dubautia knudsenii*, *Hedyotis foggiana*, *Ilex anomala*, *Machaerina angustifolia*, *Melicope anisata*, *Melicope clusiifolia*, *Pipturus* spp., *Psychotria hexandra*, or *Sadleria* spp.; and

(ii) Elevations between 823 and 1,307 m (2,701 and 4,286 ft).

FAMILY CAMPANULACEAE: ***Delissea undulata*** (NCN)

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

(i) Dry or open *Acacia koa-Metrosideros polymorpha* mesic forests or *Alphitonia ponderosa* montane forest and containing one or more of the following native plant species: *Diospyros sandwicensis*, *Dodonaea viscosa*, *Doodia kunthiana*, *Eragrostis variabilis*, *Euphorbia haeleeleana*, *Kokia kauaiensis*, *Microlepia strigosa*, *Panicum* spp., *Pleomele aurea*, *Psychotria mariniana*, *Psychotria greenwelliae*, or *Santalum freycinetianum*; and

(ii) Elevations between 139 and 1,006 m (456 and 3,299 ft).

FAMILY CAMPANULACEAE: ***Lobelia niihauensis*** (NCN)

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

(i) Exposed mesic mixed shrubland or coastal dry cliffs and containing one or more of the following associated native plant species: *Artemisia australis*, *Bidens sandvicensis*, *Chamaesyce celastroides*, *Charpentiera* spp., *Eragrostis variabilis*, *Hibiscus kokio* ssp. *saint-johnianus*, *Lipochaeta connata* var. *acris*, *Lythrum* spp., *Nototrichium* spp., *Plectranthus parviflorus*, *Schiedea apokremnos*, or *Wilkesia hobdyi*; and

(ii) Elevations between 36 and 888 m (117 and 2,911 ft).

FAMILY CARYOPHYLLACEAE: ***Alsinidendron lychnoides*** (KUAWAWAENOHU)

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

(i) Steep riparian clay or silty soil banks in montane wet forests dominated by *Metrosideros polymorpha* and *Cheirodendron* spp., or by *Metrosideros polymorpha* and *Dicranopteris linearis* and containing one or more of the following native plant species: *Asplenium* spp., *Astelia* spp., *Broussaisia arguta*, *Carex* spp., *Cyrtandra* spp., *Diplazium sandwichianum*, *Elaphoglossum* spp., *Hedyotis terminalis*, *Machaerina* spp., *Peperomia* spp., or *Vaccinium* spp.; and

(ii) Elevations between 828 and 1,344 m (2,715 and 4,408 ft).

FAMILY CARYOPHYLLACEAE: ***Alsinidendron viscosum*** (NCN)

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

(i) Steep slopes in *Acacia koa-Metrosideros polymorpha* lowland and montane mesic forest and containing one or more of the following native plant species: *Alyxia oliviformis*, *Asplenium polyodon*, *Bidens cosmoides*, *Bobea* spp., *Carex meyenii*, *Carex wahuensis*, *Coprosma* spp., *Dianella sandwicensis*, *Dodonaea viscosa*, *Doodia kunthiana*, *Dryopteris glabra*, *Dryopteris unidentata*, *Dryopteris wallichiana*, *Dubautia laevigata*, *Gahnia* spp., *Ilex anomala*, *Melicope* spp., *Panicum nephelophilum*, *Pleomele aurea*, *Psychotria* spp., *Pteridium aquilinum* var. *decompositum*, *Schiedea stellarioides*, or *Vaccinium dentatum*; and

(ii) Elevations between 754 and 1,224 m (2,474 and 4,016 ft).

FAMILY CARYOPHYLLACEAE: ***Schiedea apokremnos*** (MAOLIOLI)

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

(i) Crevices of near-vertical basalt coastal cliff faces in sparse dry coastal cliff shrub vegetation and containing one or more of the following associated native plant species: *Artemisia australis*, *Bidens* spp., *Carex meyenii*, *Chamaesyce celastroides*, *Eragrostis variabilis*, *Lepidium serra*, *Lipochaeta connata*, *Lobelia niihauensis*, *Myoporum sandwicense*, *Peperomia* spp., *Pleomele aurea*, *Psydrax odorata*, or *Wilkesia* spp.; and

(ii) Elevations between 11 and 538 m (35 and 1,765 ft).

FAMILY CARYOPHYLLACEAE: ***Schiedea attenuata*** (NCN)

Kauai 11–*Schiedea attenuata*–a, identified in the legal description in paragraph (a)(1) of this section, constitutes critical habitat for *Schiedea attenuata* on Kauai. Within this unit, the primary constituent elements of critical habitat are:

(i) Annual precipitation: Less than 75 inches (190 centimeters).

(ii) Substrate: Greater than 65 degree slope, rocky talus.

(iii) Subcanopy: *Antidesma*, *Chamaesyce*, *Diospyros*, *Dodonaea*.

(iv) Understory: *Bidens*, *Eragrostis*, *Melanthera*, *Schiedea*.

FAMILY CARYOPHYLLACEAE: ***Schiedea helleri*** (NCN)

Kauai 11—*Schiedea helleri*—a, Kauai 11—S*chiedea helleri*—b, and Kauai 11—*Schiedea helleri*—c, identified in the legal descriptions in paragraph (a)(1) of this section, constitute critical habitat for *Schiedea helleri* on Kauai. Within these units, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

(i) Ridges and steep cliffs in closed *Metrosideros polymorpha-Dicranopteris linearis* montane wet forest, *M. polymorpha-Cheirodendron* spp. montane wet forest, or *Acacia koa-M. polymorpha* montane mesic forest and containing one or more of the following associated native plant species: *Broussaisia arguta*, *Cheirodendron* spp., *Cibotium* spp., *Cyanea* spp., *Dianella sandwicensis*,

Dubautia spp., *Elaeocarpus bifidus*, *Hedyotis terminalis*, *Melicope* spp., *Myrsine* spp., *Poa sandvicensis*, *Scaevola procera*, *Syzygium sandwicensis*, or *Viola wailenalenae*; and

(ii) Elevations between 664 and 1,361 m (2,178 and 4,464 ft).

FAMILY CARYOPHYLLACEAE: ***Schiedea kauaiensis*** (NCN)

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

(i) Steep slopes in diverse mesic to wet *Acacia koa-Metrosideros polymorpha* forest and containing one or more of the following associated plant species: *Alphitonia ponderosa*, *Cryptocarya mannii*, *Diospyros* spp., *Dodonaea viscosa*, *Euphorbia haeleeleana*, *Exocarpos luteolus*, *Leptocophylla tameiameiae*, *Microlepia strigosa*, *Nestegis sandwicensis*, *Peucedanum sandwicense*, *Pisonia* spp., *Psychotria* spp., or *Psydrax odorata*; and

(ii) Elevations between 117 and 1,290 m (385 and 4,232 ft).

FAMILY CARYOPHYLLACEAE: ***Schiedea membranacea*** (NCN)

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

(i) Cliffs or cliff bases in mesic or wet habitats in lowland or montane shrubland or forest communities dominated by *Acacia koa*, *Pipturus* spp. and *Metrosideros polymorpha* or Urticaceae shrubland on talus slopes and containing one or more of the following associated native plant species: *Alphitonia ponderosa*, *Alyxia oliviformis*, *Asplenium* spp., *Athyrium sandwicensis*, *Bobea brevipes*, *Boehmeria grandis*, *Cyrtandra* spp., *Diplazium sandwichianum*, *Dodonaea viscosa*, *Eragrostis variabilis*, *Hedyotis terminalis*, *Hibiscus waimeae*, *Joinvillea ascendens* ssp. *ascendens*, *Labordia helleri*, *Lepidium serra*, *Lysimachia kalalauensis*, *Machaerina angustifolia*, *Mariscus pennatiformis*, *Melicope* spp., *Myrsine* spp., *Perrottetia sandwicensis*, *Pisonia* spp., *Pleomele aurea*, *Poa mannii*, *Poa sandvicensis*, *Pouteria sandwicensis*, *Psychotria* spp., *Psydrax odorata*, *Remya kauaiensis*, *Sadleria cyatheoides*, *Scaevola procera*, *Thelypteris cyatheoides*, *Thelypteris sandwicensis*, or *Touchardia latifolia*; and

(ii) Elevations between 423 and 1,259 m (1,386 and 4,131 ft).

FAMILY CARYOPHYLLACEAE: ***Schiedea nuttallii*** (NCN)

Kauai 7—*Schiedea nuttallii*—a, identified in the legal description in paragraph (a)(1) of this section, constitutes critical habitat for *Schiedea nuttallii* on Kauai. Within this unit, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

(i) Cliffs in lowland diverse mesic forest dominated by *Metrosideros polymorpha* and containing one or more of the following associated native plant species: *Antidesma platyphyllum* var. *hillebrandii*, *Bidens valida*, *Chamaesyce celastroides*, *Eragrostis variabilis*, *Hedyotis acuminata*, *Hedyotis fluviatilis*, *Heteropogon contortus*, *Lepidium* spp., *Lobelia niihauensis*, *Psychotria* spp., *Perrottetia sandwicensis*, or *Pisonia* spp.; and

(ii) Elevations between 127 and 702 m (418 and 2,303 ft).

FAMILY CARYOPHYLLACEAE: ***Schiedea spergulina*** VAR. ***leiopoda*** (NCN)

Kauai 9—*Schiedea spergulina* var. *leiopoda*—a, identified in the legal description in paragraph (a)(1) of this section, constitutes critical habitat for *Schiedea spergulina* var. *leiopoda* on Kauai. Within this unit, the currently known primary constituent elements of critical habitat include, but are not

limited to, the habitat components provided by:

(i) Bare rock outcrops or sparsely vegetated portions of rocky cliff faces or cliff bases in diverse lowland dry to mesic forests and containing one or more of the following native plant species: *Acacia koa*, *Artemisia australis*, *Bidens sandvicensis*, *Carex meyenii*, *Chamaesyce celastroides*, *Dianella sandwicensis*, *Doryopteris* spp., *Eragrostis variabilis*, *Erythrina sandwicensis*, *Gahnia* spp., *Heliotropium* spp., *Lepidium serra*, *Lipochaeta connata*, *Microlepia strigosa*, *Nestegis sandwicensis*, *Nototrichium sandwicense*, *Panicum lineale*, *Peucedanum sandwicense*, or *Wilkesia gymnoxiphium*; and

(ii) Elevations between 21 and 90 m (69 and 294 ft).

FAMILY CARYOPHYLLACEAE: ***Schiedea spergulina*** VAR. ***spergulina*** (NCN)

Kauai 11—*Schiedea spergulina* var. *spergulina*—a, Kauai 11—*Schiedea spergulina* var. *spergulina*—b, and Kauai 13—*Schiedea spergulina* var. *spergulina*—c, identified in the legal descriptions in paragraph (a)(1) of this section, constitute critical habitat for *Schiedea spergulina* var. *spergulina* on Kauai. Within these units, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

(i) Bare rock outcrops or sparsely vegetated portions of rocky cliff faces or cliff bases in diverse lowland dry to mesic forests and containing one or more of the following associated plant species: *Acacia koa*, *Artemisia australis*, *Bidens sandvicensis*, *Carex meyenii*, *Chamaesyce celastroides*, *Dianella sandwicensis*, *Doryopteris* spp., *Eragrostis variabilis*, *Erythrina sandwicensis*, *Gahnia* spp., *Heliotropium* spp., *Lepidium serra*, *Lipochaeta connata*, *Microlepia strigosa*, *Nestegis sandwicensis*, *Nototrichium sandwicense*, *Panicum lineale*, *Peucedanum sandwicense*, or *Wilkesia gymnoxiphium*; and

(ii) Elevations between 145 and 829 m (474 and 2,718 ft).

FAMILY CARYOPHYLLACEAE: ***Schiedea stellarioides*** (LAULIHILIHI (=MAOLIOLI))

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

(i) Steep slopes in closed *Acacia koa-Metrosideros polymorpha* lowland or montane mesic forest or shrubland and containing one or more of the following native plant species: *Alsinidendron viscosum*, *Artemisia australis*, *Bidens cosmoides*, *Chenopodium* spp., *Dianella sandwicensis*, *Dodonaea viscosa*, *Mariscus* spp., *Melicope* spp., *Nototrichium sandwicense*, *Pipturus* spp., *Leptecophylla tameiameiae*, *Syzygium sandwicensis*, or *Zanthoxylum dipetalum*; and

(ii) Elevations between 376 and 1,251 m (1,135 and 4,102 ft).

FAMILY CONVOLVULACEAE: ***Bonamia menziesii*** (NCN)

Kauai 10—*Bonamia menziesii*—a, and Kauai 11—*Bonamia menziesii*—b, identified in the legal descriptions in paragraph (a)(1) of this section, constitute critical habitat for *Bonamia menziesii* on Kauai. Within these units, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

(i) Dry, mesic, or wet *Metrosideros polymorpha-Cheirodendron-Dicranopteris* forest and containing one or more of the following native plant species: *Antidesma platyphyllum*, *Alphitonia ponderosa*, *Acacia koa*, *Cyanea* spp., *Cyrtandra pickeringii*, *Cyrtandra limahuliensis*, *Dianella sandwicensis*, *Diospyros sandwicensis*, *Dodonaea viscosa*, *Dubautia knudsenii*, *Hedyotis terminalis*, *Isodendrion longifolium*, *Labordia hirtella*, *Melicope anisata*, *Melicope barbigera*, *Myoporum sandwicense*, *Nestegis sandwicensis*, *Pisonia* spp., *Pittosporum* spp., *Pouteria sandwicensis*, *Psychotria mariniana*, *Psychotria hexandra*, *Psydrax odorata*, *Sapindus oahuensis*, *Scaevola procera*, or *Syzygium sandwicensis*; and

(ii) Elevations between 566 and 1,127 m (1,858 and 3,695 ft).

FAMILY CYPERACEAE: ***Cyperus trachysanthos*** (PUUKAA)

Kauai 11—*Cyperus trachysanthos*—a, identified in the legal description in paragraph (a)(1) of this section, constitutes critical habitat for *Cyperus trachysanthos* on Kauai. Within this unit, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

(i) Wet sites (mud flats, wet clay soil, or wet cliff seeps) on seepy flats or talus slopes and containing the native plant species *Taliparitiliaceum;* and

(ii) Elevations between 0 and 235 m (0 and 771 ft).

FAMILY CYPERACEAE: ***Mariscus pennatiformis*** (NCN)

Kauai 11—*Mariscus pennatiformis*—a, identified in the legal description in paragraph (a)(1) of this section, constitutes critical habitat for *Mariscus pennatiformis* on Kauai. Within this unit, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

(i) Open sites in *Metrosideros polymorpha-Acacia koa* mixed mesic forest and containing one or more of the following associated native plant species: *Alsinidendron viscosum*, *Antidesma platyphyllum* var. *hillebrandii*, *Carex alligata*, *Cyperus laevigatus*, *Dianella sandwicensis*, *Diospyros hillebrandii*, *Diospyros sandwicensis*, *Dodonaea viscosa*, *Leptecophylla tameiameiae*, *Myrsine linearifolia*, *Nestegis sandwicensis*, *Panicum nephelophilum*, *Poa sandvicensis*, *Psydrax odorata*, *Schiedea stellarioides*, or endemic ferns; and

(ii) Elevations between 605 and 1,065 m (1,983 and 3,493 ft).

FAMILY EUPHORBIACEAE: ***Chamaesyce eleanoriae*** (AKOKO)

Kauai 7–*Chamaesyce eleanoriae*–a, Kauai 11–*Chamaesyce eleanoriae*–b, and Kauai 11–*Chamaesyce eleanoriae*–c, identified in the legal descriptions in paragraph (a)(1) of this section, constitute critical habitat for *Chamaesyce eleanoriae* on Kauai.

(i) In units Kauai 7–*Chamaesyce eleanoriae*–a and Kauai 11–*Chamaesyce eleanoriae*–b, the primary constituent elements of critical habitat are:

(A) Elevation: Less than 3,000 ft (914 m).

(B) Annual precipitation: 50 to 75 inches (127 to 190 centimeters).

(C) Substrate: Shallow soils, little to no herbaceous layer.

(D) Canopy: *Acacia*, *Diospyros*, *Metrosideros*, *Myrsine*, *Pouteria*, *Santalum*.

(E) Subcanopy: *Dodonaea*, *Freycinetia*, *Leptecophylla*, *Melanthera*, *Osteomeles*, *Pleomele*, *Psydrax*.

(F) Understory: *Carex*, *Dicranopteris*, *Diplazium*, *Elaphoglossum*, *Peperomia*.

(ii) In unit Kauai 11–*Chamaesyce eleanoriae*–c, the primary constituent elements of critical habitat are:

(A) Annual precipitation: Less than 75 inches (190 centimeters).

(B) Substrate: Greater than 65 degree slope, rocky talus.

(C) Subcanopy: *Antidesma*, *Chamaesyce*, *Diospyros*, *Dodonaea*.

(D) Understory: *Bidens*, *Eragrostis*, *Melanthera*, *Schiedea*.

FAMILY EUPHORBIACEAE: ***Chamaesyce halemanui*** (NCN)

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

(i) Steep slopes of gulches in mesic *Acacia koa* forests and containing one or more of the following native plant species: *Asplenium* spp., *Alphitonia ponderosa*, *Antidesma platyphyllum*, *Bobea brevipes*, *Carex meyenii*, *Carex wahuensis*, *Cheirodendron trigynum*, *Coprosma* spp., *Diospyros sandwicensis*, *Dodonaea viscosa*, *Elaeocarpus bifidus*, *Hedyotis terminalis*, *Kokia kauaiensis*, *Leptecophylla tameiameiae*, *Microlepia strigosa*, *Melicope haupuensis*, *Metrosideros polymorpha*, *Panicum nephelophilum*, *Pisonia* spp., *Pittosporum spp.*, *Pleomele aurea*, *Psychotria greenwelliae*, *Psychotria mariniana*, *Pouteria sandwicensis*, or *Santalum freycinetianum;* and

(ii) Elevations between 556 and 1,249 m (1,825 and 4,097 ft).

FAMILY EUPHORBIACEAE: ***Chamaesyce remyi*** VAR. *kauaiensis* (AKOKO)

Kauai 4–*Chamaesyce remyi* var. *kauaiensis*–a, Kauai 10–*Chamaesyce remyi* var. *kauaiensis*–b, Kauai 10–*Chamaesyce remyi* var. *kauaiensis*–c, Kauai 11–*Chamaesyce remyi* var. *kauaiensis*–d, Kauai 11–*Chamaesyce remyi* var. *kauaiensis*–e, Kauai 18–*Chamaesyce remyi* var. *kauaiensis*–f, Kauai 19–*Chamaesyce remyi* var. *kauaiensis*–g, and Kauai 20–*Chamaesyce remyi* var. *kauaiensis*–h, identified in the legal descriptions in paragraph (a)(1) of this section, constitute critical habitat for *Chamaesyce remyi* var. *kauaiensis* on Kauai.

(i) In units Kauai 10–*Chamaesyce remyi* var. *kauaiensis*–b, Kauai 11–*Chamaesyce remyi* var. *kauaiensis*–d, and Kauai 20–*Chamaesyce remyi* var. *kauaiensis*–h, the primary constituent elements of critical habitat are:

(A) Elevation: Less than 3,000 ft (914 m).

(B) Annual precipitation: Greater than 75 inches (190 centimeters).

(C) Substrate: Clays, ashbeds, deep well-drained soils, lowland bogs.

(D) Canopy: *Antidesma*, *Metrosideros*, *Myrsine*, *Pisonia*, *Psychotria*.

(E) Subcanopy: *Cibotium*, *Claoxylon*, *Kadua*, *Melicope*.

(F) Understory: *Alyxia*, *Cyrtandra*, *Dicranopteris*, *Diplazium*, *Machaerina*, *Microlepia*.

(ii) In units Kauai 4–*Chamaesyce remyi* var. *kauaiensis*–a, Kauai 10–*Chamaesyce remyi* var. *kauaiensis*–c, Kauai 11–*Chamaesyce remyi* var. *kauaiensis*–e, Kauai 18–*Chamaesyce remyi* var. *kauaiensis*–f, and Kauai 19–*Chamaesyce remyi* var. *kauaiensis*–g, the primary constituent elements of critical habitat are:

(A) Annual precipitation: Greater than 75 inches (190 centimeters).

(B) Substrate: Greater than 65 degree slope, shallow soils, weathered lava.

(C) Subcanopy: *Broussaisia*, *Cheirodendron*, *Leptecophylla*, *Metrosideros*.

(D) Understory: Ferns, Bryophytes, *Coprosoma*, *Dubautia*, *Kadua*, *Peperomia*.

FAMILY EUPHORBIACEAE: ***Chamaesyce remyi*** VAR. *remyi* (AKOKO)

Kauai 4–*Chamaesyce remyi* var. *remyi*–a, Kauai 7–*Chamaesyce remyi* var. *remyi*–b, Kauai 10–*Chamaesyce remyi* var. *remyi*–c, Kauai 10–*Chamaesyce remyi* var. *remyi*–d, Kauai 10–*Chamaesyce remyi* var. *remyi*–e, Kauai 11–*Chamaesyce remyi* var. *remyi*–f, Kauai 11–*Chamaesyce remyi* var. *remyi*–g, Kauai 11–*Chamaesyce remyi* var. *remyi*–h, Kauai 11–*Chamaesyce remyi* var. *remyi*–i, Kauai 11–*Chamaesyce remyi* var. *remyi*–j, Kauai 18–*Chamaesyce remyi* var. *remyi*–k, Kauai 19–*Chamaesyce remyi* var. *remyi*–l, Kauai 20–*Chamaesyce remyi* var. *remyi*–m, Kauai 21–*Chamaesyce remyi* var. *remyi*–n, Kauai 22–*Chamaesyce remyi* var. *remyi*–o, Kauai 23–*Chamaesyce remyi* var. *remyi*–p, Kauai 24–*Chamaesyce remyi* var. *remyi*–q, and Kauai 25–*Chamaesyce remyi* var. *remyi*–r, identified in the legal descriptions in paragraph (a)(1) of this section, constitute critical habitat for *Chamaesyce remyi* var. *remyi* on Kauai.

(i) In units Kauai 7–*Chamaesyce remyi* var. *remyi*–b and Kauai 11–*Chamaesyce remyi* var. *remyi*–g, the primary constituent elements of critical habitat are:

(A) Elevation: Less than 3,000 ft (914 m).

(B) Annual precipitation: 50 to 75 inches (127 to 190 centimeters).

(C) Substrate: Shallow soils, little to no herbaceous layer.

(D) Canopy: *Acacia*, *Diospyros*, *Metrosideros*, *Myrsine*, *Pouteria*, *Santalum*.

(E) Subcanopy: *Dodonaea*, *Freycinetia*, *Leptecophylla*, *Melanthera*, *Osteomeles*, *Pleomele*, *Psydrax*.

(F) Understory: *Carex*, *Dicranopteris*, *Diplazium*, *Elaphoglossum*, *Peperomia*.

(ii) In units Kauai 10–*Chamaesyce remyi* var. *remyi*–d, Kauai 11–*Chamaesyce remyi* var. *remyi*–h, and Kauai 20–*Chamaesyce remyi* var. *remyi*–m, the primary constituent elements of critical habitat are:

(A) Elevation: Less than 3,000 ft (914 m).

(B) Annual precipitation: Greater than 75 inches (190 centimeters).

(C) Substrate: Clays, ashbeds, deep well-drained soils, lowland bogs.

(D) Canopy: *Antidesma*, *Metrosideros*, *Myrsine*, *Pisonia*, *Psychotria*.

(E) Subcanopy: *Cibotium*, *Claoxylon*, *Kadua*, *Melicope*.

(F) Understory: *Alyxia*, *Cyrtandra*, *Dicranopteris*, *Diplazium*, *Machaerina*, *Microlepia*.

(iii) In units Kauai 11–*Chamaesyce remyi* var. *remyi*–j, Kauai 21–*Chamaesyce remyi* var. *remyi*–n, and Kauai 22–*Chamaesyce remyi* var. *remyi*–o, the primary constituent elements of critical habitat are:

(A) Elevation: 3,000 to 5,243 ft (914 to 1,598 m).

(B) Annual precipitation: 50 to 75 inches (127 to 190 centimeters).

(C) Substrate: Weathered aa lava flows, rocky mucks, thin silty loams, deep volcanic ash soils.

(D) Canopy: *Acacia*, *Metrosideros*, *Psychotria*, *Tetraplasandra*, *Zanthoxylum*.

(E) Subcanopy: *Cheirodendron*, *Coprosma*, *Kadua*, *Ilex*, *Myoporum*, *Myrsine*.

(F) Understory: *Bidens*, *Dryopteris*, *Leptecophylla*, *Poa*, *Scaevola*, *Sophora*.

(iv) In units Kauai 10–*Chamaesyce remyi* var. *remyi*–c, Kauai 11–*Chamaesyce remyi* var. *remyi*–f, Kauai 23–*Chamaesyce remyi* var. *remyi*–p, Kauai 24–*Chamaesyce remyi* var. *remyi*–q, and Kauai 25–*Chamaesyce remyi* var. *remyi*–r, the primary constituent elements of critical habitat are:

(A) Elevation: 3,000 to 5,243 ft (914 to 1,598 m).

(B) Annual precipitation: Greater than 75 inches (190 centimeters).

(C) Substrate: Well-developed soils, montane bogs.

(D) Canopy: *Acacia*, *Charpentiera*, *Cheirodendron*, *Metrosideros*.

(E) Subcanopy: *Broussaisia*, *Cibotium*, *Eurya*, *Ilex*, *Myrsine*.

(F) Understory: Ferns, *Carex*, *Coprosma*, *Leptecophylla*, *Oreobolus*, *Rhynchospora*, *Vaccinium*.

(v) In units Kauai 4–*Chamaesyce remyi* var. *remyi*–a, Kauai 10–*Chamaesyce remyi* var. *remyi*–e, Kauai 11–*Chamaesyce remyi* var. *remyi*–i, Kauai 18–*Chamaesyce remyi* var. *remyi*–k, and Kauai 19–*Chamaesyce remyi* var. *remyi*–l, the primary constituent elements of critical habitat are:

(A) Annual precipitation: Greater than 75 inches (190 centimeters).

(B) Substrate: Greater than 65 degree slope, shallow soils, weathered lava.

(C) Subcanopy: *Broussaisia*, *Cheirodendron*, *Leptecophylla*, *Metrosideros*.

(D) Understory: Ferns, Bryophytes, *Coprosoma*, *Dubautia*, *Kadua*, *Peperomia*.

FAMILY EUPHORBIACEAE: ***Euphorbia haeleeleana*** (AKOKO)

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

(i) Lowland mixed mesic or dry *Diospyros* forest that is often codominated by *Metrosideros polymorpha* and *Alphitonia ponderosa* and containing one or more of the following native plant species: *Acacia koaia*, *Antidesma platyphyllum*, *Carex meyenii*, *Carex wahuensis*, *Claoxylon sandwicense*, *Diplazium sandwichianum*, *Dodonaea viscosa*, *Erythrina sandwicensis*, *Kokia kauaiensis*, *Pisonia sandwicensis*, *Pleomele aurea*, *Pouteria sandwicensis*, *Psychotria greenwelliae*, *Psychotria mariniana*, *Pteralyxia kauaiensis*, *Rauvolfia sandwicensis*, *Sapindus oahuensis*, *Tetraplasandra kavaiensis*, or *Xylosma* spp.; and

(ii) Elevations between 284 and 1,179 m (931 and 3,866 ft).

FAMILY EUPHORBIACEAE: ***Flueggea neowawraea*** (MEHAMEHAME)

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

(i) Dry or mesic forests containing one or more of the following native plant species: *Alectryon macrococcus*, *Antidesma platyphyllum*, *Bidens*

sandvicensis, *Bobea timonioides*, *Caesalpinia kavaiensis*, *Charpentiera* spp., *Diospyros* spp., *Diplazium sandwichianum*, *Freycinetia arborea*, *Hibiscus* spp., *Isodendrion laurifolium*, *Kokia kauaiensis*, *Melicope* spp., *Metrosideros polymorpha*, *Munroidendron racemosum*, *Myrsine lanaiensis*, *Nesoluma polynesicum*, *Nestegis sandwicensis*, *Pittosporum* spp., *Pouteria sandwicensis*, *Pritchardia minor*, *Psychotria* spp., *Psydrax odorata*, *Pteralyxia kauaiensis*, *Rauvolfia sandwicensis*, *Streblus pendulinus*, *Tetraplasandra* spp., *Xylosma crenatum*, or *Xylosma hawaiiense;* and

(ii) Elevations between 210 and 1,178 m (689 and 3,865 ft).

FAMILY FABACEAE: ***Canavalia napaliensis*** (AWIKIWIKI)

Kauai 7–*Canavalia napaliensis*–a and Kauai 11–*Canavalia napaliensis*–b, identified in the legal descriptions in paragraph (a)(1) of this section, constitute critical habitat for *Canavalia napaliensis* on Kauai. Within these units, the primary constituent elements of critical habitat are:

(i) Elevation: Less than 3,000 ft (914 m).

(ii) Annual precipitation: 50 to 75 inches (127 to 190 centimeters).

(iii) Substrate: Shallow soils, little to no herbaceous layer.

(iv) Canopy: *Acacia*, *Diospyros*, *Metrosideros*, *Myrsine*, *Pouteria*, *Santalum*.

(v) Subcanopy: *Dodonaea*, *Freycinetia*, *Leptecophylla*, *Melanthera*, *Osteomeles*, *Pleomele*, *Psydrax*.

(vi) Understory: *Carex*, *Dicranopteris*, *Diplazium*, *Elaphoglossum*, *Peperomia*.

FAMILY FABACEAE: ***Sesbania tomentosa*** (OHAI)

Kauai 8—*Sesbania tomentosa*—a, and Kauai 14—*Sesbania tomentosa*—b, identified in the legal descriptions in paragraph (a)(1) of this section, constitute critical habitat for *Sesbania tomentosa* on Kauai. Within these units, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

(i) Sandy beaches, dunes, or pond margins in coastal dry shrublands or mixed coastal dry cliffs, and containing one or more of the following associated native plant species: *Chamaesyce celastroides*, *Cuscuta sandwichiana*, *Dodonaea viscosa*, *Heteropogon contortus*, *Myoporum sandwicense*, *Nama sandwicensis*, *Scaevola sericea*, *Sida fallax*, *Sporobolus virginicus*, *Vitex rotundifolia*, or *Waltheria indica;* and

(ii) Elevations between 0 and 130 m (0 and 427 ft).

FAMILY FLACOURTIACEAE: ***Xylosma crenatum*** (NCN)

Kauai 11—*Xylosma crenatum*—a, and Kauai 12—*Xylosma crenatum*—b, identified in the legal descriptions in paragraph (a)(1) of this section, constitute critical habitat for *Xylosma crenatum* on Kauai. Within these units, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

(i) Diverse *Acacia koa-Metrosideros polymorpha* montane mesic or wet forest, or *Metrosideros polymorpha-Dicranopteris linearis* montane wet forest, and containing one or more of the following associated native plant species: *Athyrium sandwicensis*, *Cheirodendron* spp., *Claoxylon sandwicense*, *Coprosma* spp., *Cyanea* spp., *Diplazium sandwichianum*, *Dubautia knudsenii*, *Hedyotis* spp., *Ilex anomala*, *Lobelia yuccoides*, *Myrsine* spp., *Nestegis sandwicensis*, *Perrottetia sandwicensis*, *Pleomele aurea*, *Poa sandvicensis*, *Pouteria sandwicensis*, *Psychotria* spp., *Scaevola procera*, *Streblus pendulinus*, *Tetraplasandra* spp., *Touchardia latifolia*, or *Zanthoxylum dipetalum;* and

(ii) Elevations between 941 and 1,284 m (3,086 and 4,212 ft).

FAMILY GENTIANACEAE: ***Centaurium sebaeoides*** (AWIWI)

Kauai 11—*Centaurium sebaeoides*—a, identified in the legal description in paragraph (a)(1) of this section, constitutes critical habitat for *Centaurium sebaeoides* on Kauai. Within this unit, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

(i) Volcanic or clay soils or on cliffs in arid coastal areas and containing

one or more of the following native plant species: *Artemisia* spp., *Bidens* spp., *Chamaesyce celastroides*, *Cyperus phleoides*, *Dodonaea viscosa*, *Fimbristylis cymosa*, *Heteropogon contortus*, *Jacquemontia ovalifolia*, *Lipochaeta* spp., *Lycium sandwicense*, *Lysimachia mauritiana*, *Melanthera integrifolia*, *Panicum fauriei*, *Panicum torridum*, *Scaevola sericea*, *Sida fallax*, or *Wikstroemia uva-ursi;* and

(ii) Elevations between 0 and 147 m (0 and 483 ft).

FAMILY GERANIACEAE: ***Geranium kauaiense*** (NOHOANU)

Kauai 10–*Geranium kauaiense*–a, Kauai 11–*Geranium kauaiense*–b, Kauai 23–*Geranium kauaiense*–c, Kauai 24–*Geranium kauaiense*–d, and Kauai 25–*Geranium kauaiense*–e, identified in the legal descriptions in paragraph (a)(1) of this section, constitute critical habitat for *Geranium kauaiense* on Kauai. Within these units, the primary constituent elements of critical habitat are:

(i) Elevation: 3,000 to 5,243 ft (914 to 1,598 m).

(ii) Annual precipitation: Greater than 75 inches (190 centimeters).

(iii) Substrate: Well-developed soils, montane bogs.

(iv) Canopy: *Acacia*, *Charpentiera*, *Cheirodendron*, *Metrosideros*.

(v) Subcanopy: *Broussaisia*, *Cibotium*, *Eurya*, *Ilex*, *Myrsine*.

(vi) Understory: Ferns, *Carex*, *Coprosma*, *Leptecophylla*, *Oreobolus*, *Rhynchospora*, *Vaccinium*.

(vii) Bogs.

FAMILY GESNERIACEAE: ***Cyrtandra cyaneoides*** (MAPELE)

Kauai 4—*Cyrtandra cyaneoides*—a, Kauai 11—*Cyrtandra cyaneoides*—b, and Kauai 11—*Cyrtandra cyaneoides*—c, identified in the legal descriptions in paragraph (a)(1) of this section, constitute critical habitat for *Cyrtandra cyaneoides* on Kauai. Within these units, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

(i) Talus rubble on steep slopes or cliffs with water seeps running below, near streams or waterfalls in lowland or montane wet forest or shrubland dominated by *Metrosideros polymorpha* or a mixture of *Metrosideros polymorpha*, *Cheirodendron* spp., and *Dicranopteris linearis* and containing one or more of the following native species: *Bidens* spp., *Boehmeria grandis*, *Coprosma* spp., *Cyanea* spp., *Cyrtandra kauaiensis*, *Cyrtandra limahuliensis*, *Cyrtandra longifolia*, *Diplazium sandwichianum*, *Freycinetia arborea*, *Gunnera kauaiensis*, *Hedyotis terminalis*, *Hedyotis tryblium*, *Machaerina* spp., *Melicope clusiifolia*, *Melicope puberula*, *Perrottetia sandwicensis*, *Pipturus* spp., *Psychotria* spp., *Pritchardia* spp., or *Stenogyne purpurea;* and

(ii) Elevations between 157 and 1,407 m (514 and 4,614 ft).

FAMILY GESNERIACEAE: ***Cyrtandra limahuliensis*** (HAIWALE)

Kauai 4—*Cyrtandra limahuliensis*—a, Kauai 4—*Cyrtandra limahuliensis*—b, Kauai 10—*Cyrtandra limahuliensis*—c, Kauai 11—*Cyrtandra limahuliensis*—d, and Kauai 11—*Cyrtandra limahuliensis*—e, identified in the legal descriptions in paragraph (a)(1) of this section, constitute critical habitat for *Cyrtandra limahuliensis* on Kauai. Within these units, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

(i) Stream banks in lowland wet forests containing one or more of the following native plant species: *Antidesma platyphyllum*, *Bidens* spp., *Boehmeria grandis*, *Charpentiera* spp., *Cibotium glaucum*, *Cyanea* spp., *Cyrtandra kealiae*, *Dicranopteris linearis*, *Diplazium sandwichianum*, *Dubautia* spp., *Eugenia reinwardtiana*, *Gunnera kauaiensis*, *Hedyotis terminalis*, *Hibiscus waimeae*, *Metrosideros polymorpha*, *Perrottetia sandwicensis*, *Pisonia* spp., *Pipturus* spp., *Pritchardia* spp., *Psychotria* spp., or *Touchardia latifolia;* and

(ii) Elevations between 208 and 1,591 m (681 and 5,217 ft).

FAMILY GESNERIACEAE: ***Cyrtandra oenobarba*** (HAIWALE)

Kauai 4–*Cyrtandra oenobarba*–a, Kauai 10–*Cyrtandra oenobarba*–b, Kauai 10–*Cyrtandra oenobarba*–c, Kauai 11–*Cyrtandra oenobarba*–d, Kauai 11–*Cyrtandra oenobarba*–e, Kauai 18–*Cyrtandra oenobarba*–f, Kauai 19–*Cyrtandra oenobarba*–g, and Kauai 20–

Cyrtandra oenobarba–h, identified in the legal descriptions in paragraph (a)(1) of this section, constitute critical habitat for *Cyrtandra oenobarba* on Kauai.

(i) In units Kauai 10–*Cyrtandra oenobarba*–b, Kauai 11–*Cyrtandra oenobarba*–d, and Kauai 20–*Cyrtandra oenobarba*–h, the primary constituent elements of critical habitat are:

(A) Elevation: Less than 3,000 ft (914 m).

(B) Annual precipitation: Greater than 75 inches (190 centimeters).

(C) Substrate: Clays, ashbeds, deep well-drained soils, lowland bogs.

(D) Canopy: *Antidesma*, *Metrosideros*, *Myrsine*, *Pisonia*, *Psychotria*.

(E) Subcanopy: *Cibotium*, *Claoxylon*, *Kadua*, *Melicope*.

(F) Understory: *Alyxia*, *Cyrtandra*, *Dicranopteris*, *Diplazium*, *Machaerina*, *Microlepia*.

(ii) In units Kauai 4–*Cyrtandra oenobarba*–a, Kauai 10–*Cyrtandra oenobarba*–c, Kauai 11–*Cyrtandra oenobarba*–e, Kauai 18–*Cyrtandra oenobarba*–f, and Kauai 19–*Cyrtandra oenobarba*–g, the primary constituent elements of critical habitat are:

(A) Annual precipitation: Greater than 75 inches (190 centimeters).

(B) Substrate: Greater than 65 degree slope, shallow soils, weathered lava.

(C) Subcanopy: *Broussaisia*, *Cheirodendron*, *Leptecophylla*, *Metrosideros*.

(D) Understory: Ferns, Bryophytes, *Coprosoma*, *Dubautia*, *Kadua*, *Peperomia*.

FAMILY GESNERIACEAE: ***Cyrtandra paliku*** (HAIWALE)

Kauai 4–*Cyrtandra paliku*–a, Kauai 10–*Cyrtandra paliku*–b, Kauai 11–*Cyrtandra paliku*–c, Kauai 18–*Cyrtandra paliku*–d, and Kauai 19–*Cyrtandra paliku*–e, identified in the legal descriptions in paragraph (a)(1) of this section, constitute critical habitat for *Cyrtandra paliku* on Kauai. Within these units, the primary constituent elements of critical habitat are:

(i) Annual precipitation: Greater than 75 inches (190 centimeters).

(ii) Substrate: Greater than 65 degree slope, shallow soils, weathered lava.

(iii) Subcanopy: *Broussaisia*, *Cheirodendron*, *Leptecophylla*, *Metrosideros*.

(iv) Understory: Ferns, Bryophytes, *Coprosoma*, *Dubautia*, *Kadua*, *Peperomia*.

FAMILY LAMIACEAE: ***Phyllostegia knudsenii*** (NCN)

Kauai 11—*Phyllostegia knudsenii*—a, identified in the legal description in paragraph (a)(1) of this section, constitutes critical habitat for *Phyllostegia knudsenii* on Kauai. Within this unit, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

(i) *Metrosideros polymorpha* lowland mesic or wet forest containing one or more of the following associated native plant species: *Bobea timonioides*, *Claoxylon sandwicense*, *Cryptocarya mannii*, *Cyrtandra kauaiensis*, *Cyrtandra paludosa*, *Diospyros sandwicensis*, *Elaeocarpus bifidus*, *Ilex anomala*, *Myrsine linearifolia*, *Perrottetia sandwicensis*, *Pittosporum kauaiense*, *Pouteria sandwicensis*, *Pritchardia minor*, *Selaginella arbuscula*, *Tetraplasandra oahuensis*, or *Zanthoxylum dipetalum;* and

(ii) Elevations between 401 and 1,059 m (1,315 and 3,475 ft).

FAMILY LAMIACEAE: ***Phyllostegia renovans*** (NCN)

Kauai 10–*Phyllostegia renovans*–a, Kauai 10–*Phyllostegia renovans*–b, Kauai 11–*Phyllostegia renovans*–c, Kauai 11–*Phyllostegia renovans*–d, Kauai 20–*Phyllostegia renovans*–e, Kauai 23–*Phyllostegia renovans*–f, Kauai 24–*Phyllostegia renovans*–g, and Kauai 25–*Phyllostegia renovans*–h, identified in the legal descriptions in paragraph (a)(1) of this section, constitute critical habitat for *Phyllostegia renovans* on Kauai.

(i) In units Kauai 10–*Phyllostegia renovans*–b, Kauai 11–*Phyllostegia renovans*–d, and Kauai 20–*Phyllostegia renovans*–e, the primary constituent elements of critical habitat are:

(A) Elevation: Less than 3,000 ft (914 m).

(B) Annual precipitation: Greater than 75 inches (190 centimeters).

(C) Substrate: Clays, ashbeds, deep well-drained soils, lowland bogs.

(D) Canopy: *Antidesma*, *Metrosideros*, *Myrsine*, *Pisonia*, *Psychotria*.

(E) Subcanopy: *Cibotium*, *Claoxylon*, *Kadua*, *Melicope*.

(F) Understory: *Alyxia*, *Cyrtandra*, *Dicranopteris*, *Diplazium*, *Machaerina*, *Microlepia*.

(ii) In units Kauai 10–*Phyllostegia renovans*–a, Kauai 11–*Phyllostegia renovans*–c, Kauai 23–*Phyllostegia renovans*–f, Kauai 24–*Phyllostegia renovans*–g, and Kauai 25–*Phyllostegia renovans*–h, the primary constituent elements of critical habitat are:

(A) Elevation: 3,000 to 5,243 ft (914 to 1,598 m).

(B) Annual precipitation: Greater than 75 inches (190 centimeters).

(C) Substrate: Well-developed soils, montane bogs.

(D) Canopy: *Acacia*, *Charpentiera*, *Cheirodendron*, *Metrosideros*.

(E) Subcanopy: *Broussaisia*, *Cibotium*, *Eurya*, *Ilex*, *Myrsine*.

(F) Understory: Ferns, *Carex*, *Coprosma*, *Leptecophylla*, *Oreobolus*, *Rhynchospora*, *Vaccinium*.

FAMILY LAMIACEAE: ***Phyllostegia waimeae*** (NO COMMON NAME)

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

(i) *Acacia koa-Metrosideros polymorpha* dominated wet or mixed mesic forest with *Cheirodendron* spp. or *Dicranopteris linearis* as co-dominants and containing one or more of the following associated native plant species: *Broussaisia arguta*, *Claoxylon sandwicense*, *Diplazium sandwichianum*, *Dubautia knudsenii*, *Elaphoglossum* spp., *Gunnera kauaiensis*, *Hedyotis* spp., *Myrsine lanaiensis*, *Pleomele aurea*, *Psychotria* spp., *Sadleria* spp., *Scaevola procera*, *Syzygium sandwicensis*, or *Vaccinium* spp.; and

(ii) Elevations between 655 and 1,224 m (2,149 and 4,016 ft).

FAMILY LAMIACEAE: ***Phyllostegia wawrana*** (NO COMMON NAME)

Kauai 4—*Phyllostegia wawrana*—a, Kauai 11—*Phyllostegia wawrana*—b, Kauai 11—*Phyllostegia wawrana*—c, and Kauai 11—*Phyllostegia wawrana*—d, identified in the legal descriptions in paragraph (a)(1) of this section, constitute critical habitat for *Phyllostegia wawrana* on Kauai. Within these units, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

(i) *Acacia koa-Metrosideros polymorpha-Cheirodendron* mixed mesic forest containing one or more of the following associated native plant species: *Alectryon macrococcus*, *Asplenium polyodon*, *Athyrium microphyllum*, *Carex* spp., *Claoxylon sandwicense*, *Cyanea fissa*, *Delissea rivularis*, *Dianella sandwicensis*, *Diplazium sandwichianum*, *Dodonaea viscosa*, *Doodia kunthiana*, *Dryopteris wallichiana*, *Dubautia knudsenii*, *Dubautia laevigata*, *Hedyotis tryblium*, *Machaerina angustifolia*, *Panicum nephelophilum*, *Peperomia* spp., *Perrottetia sandwicensis*, *Poa sandvicensis*, *Pleomele aurea*, *Pteridium aquilinum* var. *decompositum*, *Sadleria pallida*, *Scaevola procera*, *Schiedea stellarioides*, *Syzygium sandwicensis*, *Touchardia latifolia*, or *Vaccinium dentatum;* and

(ii) Elevations between 400 and 1,284 m (1,311 and 4,212 ft).

FAMILY LAMIACEAE: ***Stenogyne campanulata*** (NCN)

Kauai 11—*Stenogyne campanulata*—a, identified in the legal description in paragraph (a)(1) of this section, constitutes critical habitat for *Stenogyne campanulata* on Kauai. Within this unit, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

(i) Rock faces of nearly vertical, north-facing cliffs in diverse lowland or montane mesic forest and containing one or more of the following associated native plant species: *Lepidium serra*, *Lobelia niihauensis*, *Lysimachia* spp., *Melicope pallida*, *Metrosideros polymorpha*, *Neraudia kauaiensis*, *Nototrichium divaricatum*, *Poa mannii*, *Remya montgomeryi*, or *Wilkesia gymnoxiphium;* and

(ii) Elevations between 335 and 1,290 (1,100 and 4,232 ft).

FAMILY LAMIACEAE: ***Stenogyne kealiae*** (NCN)

Kauai 10–*Stenogyne kealiae*–a, Kauai 11–*Stenogyne kealiae*–b, Kauai 11–*Stenogyne kealiae*–c, Kauai 11–*Stenogyne kealiae*–d, Kauai 20–*Stenogyne kealiae*–e, Kauai 21–*Stenogyne kealiae*–f, and Kauai 22–*Stenogyne kealiae*–g, identified in the legal descriptions in paragraph (a)(1) of this section, constitute critical habitat for *Stenogyne kealiae* on Kauai.

(i) In units Kauai 10–*Stenogyne kealiae*–a, Kauai 11–*Stenogyne kealiae*–c, and Kauai 20–*Stenogyne kealiae*–e, the primary constituent elements of critical habitat are:

(A) Elevation: Less than 3,000 ft (914 m).

(B) Annual precipitation: Greater than 75 inches (190 centimeters).

(C) Substrate: Clays, ashbeds, deep well-drained soils, lowland bogs.

(D) Canopy: *Antidesma*, *Metrosideros*, *Myrsine*, *Pisonia*, *Psychotria*.

(E) Subcanopy: *Cibotium*, *Claoxylon*, *Kadua*, *Melicope*.

(F) Understory: *Alyxia*, *Cyrtandra*, *Dicranopteris*, *Diplazium*, *Machaerina*, *Microlepia*.

(ii) In units Kauai 11–*Stenogyne kealiae*–d, Kauai 21–*Stenogyne kealiae*–f, and Kauai 22–*Stenogyne kealiae*–g, the primary constituent elements of critical habitat are:

(A) Elevation: 3,000 to 5,243 ft (914 to 1,598 m).

(B) Annual precipitation: 50 to 75 inches (127 to 190 centimeters).

(C) Substrate: Weathered aa lava flows, rocky mucks, thin silty loams, deep volcanic ash soils.

(D) Canopy: *Acacia*, *Metrosideros*, *Psychotria*, *Tetraplasandra*, *Zanthoxylum*.

(E) Subcanopy: *Cheirodendron*, *Coprosma*, *Kadua*, *Ilex*, *Myoporum*, *Myrsine*.

(F) Understory: *Bidens*, *Dryopteris*, *Leptecophylla*, *Poa*, *Scaevola*, *Sophora*.

(iii) In unit Kauai 11–*Stenogyne kealiae*–b, the primary constituent elements of critical habitat are:

(A) Annual precipitation: Less than 75 inches (190 centimeters).

(B) Substrate: Greater than 65 degree slope, rocky talus.

(C) Subcanopy: *Antidesma*, *Chamaesyce*, *Diospyros*, *Dodonaea*.

(D) Understory: *Bidens*, *Eragrostis*, *Melanthera*, *Schiedea*.

FAMILY LOGANIACEAE: ***Labordia helleri*** (KAMAKAHALA)

Kauai 7–*Labordia helleri*–a, Kauai 10–*Labordia helleri*–b, Kauai 10–*Labordia helleri*–c, Kauai 11–*Labordia helleri*–d, Kauai 11–*Labordia helleri*–e, Kauai 11–*Labordia helleri*–f, Kauai 11–*Labordia helleri*–g, Kauai 20–*Labordia helleri*–h, Kauai 21–*Labordia helleri*–i, Kauai 22–*Labordia helleri*–j, Kauai 23–*Labordia helleri*–k, Kauai 24–*Labordia helleri*–l, and Kauai 25–*Labordia helleri*–m, identified in the legal descriptions in paragraph (a)(1) of this section, constitute critical habitat for *Labordia helleri* on Kauai.

(i) In units Kauai 7–*Labordia helleri*–a and Kauai 11–*Labordia helleri*–e, the primary constituent elements of critical habitat are:

(A) Elevation: Less than 3,000 ft (914 m).

(B) Annual precipitation: 50 to 75 inches (127 to 190 centimeters).

(C) Substrate: Shallow soils, little to no herbaceous layer.

(D) Canopy: *Acacia*, *Diospyros*, *Metrosideros*, *Myrsine*, *Pouteria*, *Santalum*.

(E) Subcanopy: *Dodonaea*, *Freycinetia*, *Leptecophylla*, *Melanthera*, *Osteomeles*, *Pleomele*, *Psydrax*.

(F) Understory: *Carex*, *Dicranopteris*, *Diplazium*, *Elaphoglossum*, *Peperomia*.

(ii) In units Kauai 10–*Labordia helleri*–c, Kauai 11–*Labordia helleri*–f, and Kauai 20–*Labordia helleri*–h, the primary constituent elements of critical habitat are:

(A) Elevation: Less than 3,000 ft (914 m).

(B) Annual precipitation: Greater than 75 inches (190 centimeters).

(C) Substrate: Clays, ashbeds, deep well-drained soils, lowland bogs.

(D) Canopy: *Antidesma*, *Metrosideros*, *Myrsine*, *Pisonia*, *Psychotria*.

(E) Subcanopy: *Cibotium*, *Claoxylon*, *Kadua*, *Melicope*.

(F) Understory: *Alyxia*, *Cyrtandra*, *Dicranopteris*, *Diplazium*, *Machaerina*, *Microlepia*.

(iii) In units Kauai 11–*Labordia helleri*–g, Kauai 21–*Labordia helleri*–i,

and Kauai 22–*Labordia helleri*–j, the primary constituent elements of critical habitat are:

(A) Elevation: 3,000 to 5,243 ft (914 to 1,598 m).

(B) Annual precipitation: 50 to 75 inches (127 to 190 centimeters).

(C) Substrate: Weathered aa lava flows, rocky mucks, thin silty loams, deep volcanic ash soils.

(D) Canopy: *Acacia*, *Metrosideros*, *Psychotria*, *Tetraplasandra*, *Zanthoxylum*.

(E) Subcanopy: *Cheirodendron*, *Coprosma*, *Kadua*, *Ilex*, *Myoporum*, *Myrsine*.

(F) Understory: *Bidens*, *Dryopteris*, *Leptecophylla*, *Poa*, *Scaevola*, *Sophora*.

(iv) In units Kauai 10–*Labordia helleri*–b, Kauai 11–*Labordia helleri*–d, Kauai 23–*Labordia helleri*–k, Kauai 24–*Labordia helleri*–l, and Kauai 25–*Labordia helleri*–m, the primary constituent elements of critical habitat are:

(A) Elevation: 3,000 to 5,243 ft (914 to 1,598 m).

(B) Annual precipitation: Greater than 75 inches (190 centimeters).

(C) Substrate: Well-developed soils, montane bogs.

(D) Canopy: *Acacia*, *Charpentiera*, *Cheirodendron*, *Metrosideros*.

(E) Subcanopy: *Broussaisia*, *Cibotium*, *Eurya*, *Ilex*, *Myrsine*.

(F) Understory: Ferns, *Carex*, *Coprosma*, *Leptecophylla*, *Oreobolus*, *Rhynchospora*, *Vaccinium*.

FAMILY LOGANIACEAE: ***Labordia lydgatei*** (KAMAKAHALA)

Kauai 4—*Labordia lydgatei*—a, Kauai 10—*Labordia lydgatei*—b, Kauai 11—*Labordia lydgatei*—c, Kauai 11—*Labordia lydgatei*—d, and Kauai 11—*Labordia lydgatei*—e, identified in the legal descriptions in paragraph (a)(1) of this section, constitute critical habitat for *Labordia lydgatei* on Kauai. Within these units, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

(i) Streambanks in *Metrosideros polymorpha-Dicranopteris linearis* lowland wet forest containing one or more of the following associated native plant species: *Antidesma platyphyllum* var. *hillebrandii*, *Cyanea* spp., *Cyrtandra* spp., *Dubautia knudsenii*, *Hedyotis terminalis*, *Ilex anomala*, *Labordia hirtella*, *Psychotria* spp., or *Syzygium sandwicensis;* and

(ii) Elevations between 182 and 1,148 m (597 and 3,737 ft).

FAMILY LOGANIACEAE: ***Labordia pumila*** (KAMAHALA)

Kauai 10–*Labordia pumila*–a, Kauai 11–*Labordia pumila*–b, Kauai 23–*Labordia pumila*–c, Kauai 24–*Labordia pumila*–d, and Kauai 25–*Labordia pumila*–e, identified in the legal descriptions in paragraph (a)(1) of this section, constitute critical habitat for *Labordia pumila* on Kauai. Within these units, the primary constituent elements of critical habitat are:

(i) Elevation: 3,000 to 5,243 ft (914 to 1,598 m).

(ii) Annual precipitation: Greater than 75 inches (190 centimeters).

(iii) Substrate: Well-developed soils, montane bogs.

(iv) Canopy: *Acacia*, *Charpentiera*, *Cheirodendron*, *Metrosideros*.

(v) Subcanopy: *Broussaisia*, *Cibotium*, *Eurya*, *Ilex*, *Myrsine*.

(vi) Understory: Ferns, *Carex*, *Coprosma*, *Leptecophylla*, *Oreobolus*, *Rhynchospora*, *Vaccinium*.

(vii) Bogs.

FAMILY LOGANIACEAE: ***Labordia tinifolia*** VAR. ***wahiawaensis*** (KAMAKAHALA)

Kauai 10—*Labordia tinifolia* var. *wahiawaensis*—a, identified in the legal description in paragraph (a)(1) of this section, constitutes critical habitat for *Labordia tinifolia* var. *wahiawaensis* on Kauai. Within this unit, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

(i) Streambanks in lowland wet forests dominated by *Metrosideros polymorpha* and containing one or more of the following associated species: *Antidesma platyphyllum*, *Athyrium microphyllum*, *Cheirodendron* spp., *Cyrtandra* spp., *Dicranopteris linearis*, *Hedyotis terminalis*, or *Psychotria* spp.; and

(ii) Elevations between 458 and 1,006 m (1,502 and 3,301 ft).

FAMILY MALVACEAE: ***Hibiscadelphus woodii*** (HAU KUAHIWI)

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

(i) Basalt talus or cliff walls in *Metrosideros polymorpha* montane mesic forest and containing one or more of the following associated native plant species: *Artemisia australis*, *Bidens sandvicensis*, *Carex meyenii*, *Chamaesyce celastroides* var. *hanapepensis*, *Dubautia* spp., *Hedyotis* spp., *Lepidium serra*, *Lipochaeta* spp., *Lobelia niihauensis*, *Lysimachia glutinosa*, *Melicope pallida*, *Myrsine* spp., *Nototrichium* spp., *Panicum lineale*, *Poa mannii*, or *Stenogyne campanulata;* and

(ii) Elevations between 219 and 1,197 m (717 and 3,926 ft).

FAMILY MALVACEAE: ***Hibiscus clayi*** (CLAY'S HIBISCUS)

Kauai 4—*Hibiscus clayi*—a, Kauai 4—*Hibiscus clayi*—b, Kauai 4—*Hibiscus clayi*—c, Kauai 4—*Hibiscus clayi*—d, Kauai 4—*Hibiscus clayi*—e, and Kauai 5—*Hibiscus clayi*—f, identified in the legal descriptions in paragraph (a)(1) of this section, constitute critical habitat for *Hibiscus clayi* on Kauai. Within these units, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

(i) Slopes in *Acacia koa* or *Diospyros* spp.-*Pisonia* spp.-*Metrosideros polymorpha* lowland dry or mesic forest and containing one or more of the following associated native plant species: *Artemisia australis*, *Bidens* spp., *Cyanea hardyi*, *Gahnia* spp., *Hedyotis acuminata*, *Munroidendron racemosum*, *Pandanus tectorius*, *Panicum tenuifolium*, *Pleomele aurea*, *Pipturus* spp., *Psychotria* spp., or *Psydrax odorata;* and

(ii) Elevations between 121 and 765 m (396 and 2,509 ft).

FAMILY MALVACEAE: ***Hibiscus waimeae*** SSP. ***hannerae*** (KOKIO KEOKEO)

Kauai 11—*Hibiscus waimeae* ssp. *hannerae*—a, identified in the legal description in paragraph (a)(1) of this section, constitutes critical habitat for *Hibiscus waimeae* ssp. *hannerae* on Kauai. Within this unit, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

(i) *Metrosideros polymorpha-Dicranopteris linearis* or *Pisonia* spp.-*Charpentiera elliptica* lowland wet or mesic forest and containing one or more of the following associated native plant species: *Antidesma* spp., *Bidens* spp., *Bobea* spp., *Cibotium* spp., *Cyanea* spp., *Cyrtandra* spp., *Perrottetia sandwicensis*, *Pipturus* spp., *Psychotria* spp., *Sadleria* spp., or *Syzygium sandwicensis;* and

(ii) Elevations between 174 and 1,155 m (570 and 3,787 ft).

FAMILY MALVACEAE: ***Kokia kauaiensis*** (KOKIO)

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

(i) Diverse mesic forest containing one or more of the following associated native plant species: *Acacia koa*, *Alyxia oliviformis*, *Antidesma* spp., *Bobea* spp., *Chamaesyce celastroides*, *Claoxylon sandwicense*, *Dicranopteris linearis*, *Diellia pallida*, *Diospyros hillebrandii*, *Diospyros sandwicensis*, *Dodonaea viscosa*, *Flueggea neowawraea*, *Hedyotis* spp., *Hibiscus* spp., *Isodendrion laurifolium*, *Lipochaeta fauriei*, *Melicope* spp., *Metrosideros polymorpha*, *Nestegis sandwicensis*, *Nototrichium* spp., *Pisonia* spp., *Pleomele aurea*, *Pouteria sandwicensis*, *Psydrax odorata*, *Pteralyxia kauaiensis*, *Rauvolfia sandwicensis*, *Santalum freycinetianum* var. *pyrularium*, *Streblus pendulinus*,

Syzygium sandwicensis, *Tetraplasandra* spp., or *Xylosma* spp.; and

(ii) Elevations between 300 and 1,049 m (984 and 3,441 ft).

FAMILY MYRSINACEAE: ***Lysimachia daphnoides*** (LEHUA MAKANOE)

Kauai 10–*Lysimachia daphnoides*–a, Kauai 11–*Lysimachia daphnoides*–b, Kauai 23–*Lysimachia daphnoides*–c, Kauai 24–*Lysimachia daphnoides*–d, and Kauai 25–*Lysimachia daphnoides*–e, identified in the legal descriptions in paragraph (a)(1) of this section, constitute critical habitat for *Lysimachia daphnoides* on Kauai. Within these units, the primary constituent elements of critical habitat are:

(i) Elevation: 3,000 to 5,243 ft (914 to 1,598 m).

(ii) Annual precipitation: Greater than 75 inches (190 centimeters).

(iii) Substrate: Well-developed soils, montane bogs.

(iv) Canopy: *Acacia*, *Charpentiera*, *Cheirodendron*, *Metrosideros*.

(v) Subcanopy: *Broussaisia*, *Cibotium*, *Eurya*, *Ilex*, *Myrsine*.

(vi) Understory: Ferns, *Carex*, *Coprosma*, *Leptecophylla*, *Oreobolus*, *Rhynchospora*, *Vaccinium*.

(vii) Hummocks in bogs.

FAMILY MYRSINACEAE: ***Lysimachia iniki*** (NCN)

Kauai 4–*Lysimachia iniki*–a, Kauai 10–*Lysimachia iniki*–b, Kauai 11–*Lysimachia iniki*–c, Kauai 18–*Lysimachia iniki*–d, and Kauai 19–*Lysimachia iniki*–e, identified in the legal descriptions in paragraph (a)(1) of this section, constitute critical habitat for *Lysimachia iniki* on Kauai. Within these units, the primary constituent elements of critical habitat are:

(i) Annual precipitation: Greater than 75 inches (190 centimeters).

(ii) Substrate: Greater than 65 degree slope, shallow soils, weathered lava.

(iii) Subcanopy: *Broussaisia*, *Cheirodendron*, *Leptecophylla*, *Metrosideros*.

(iv) Understory: Ferns, Bryophytes, *Coprosoma*, *Dubautia*, *Kadua*, *Peperomia*.

FAMILY MYRSINACEAE: ***Lysimachia pendens*** (NCN)

Kauai 4–*Lysimachia pendens*–a, Kauai 10–*Lysimachia pendens*–b, Kauai 11–*Lysimachia pendens*–c, Kauai 18–*Lysimachia pendens*–d, and Kauai 19–*Lysimachia pendens*–e, identified in the legal descriptions in paragraph (a)(1) of this section, constitute critical habitat for *Lysimachia pendens* on Kauai. Within these units, the primary constituent elements of critical habitat are:

(i) Annual precipitation: Greater than 75 inches (190 centimeters).

(ii) Substrate: Greater than 65 degree slope, shallow soils, weathered lava.

(iii) Subcanopy: *Broussaisia*, *Cheirodendron*, *Leptecophylla*, *Metrosideros*.

(iv) Understory: Ferns, Bryophytes, *Coprosoma*, *Dubautia*, *Kadua*, *Peperomia*.

FAMILY MYRSINACEAE: ***Lysimachia scopulensis*** (NCN)

Kauai 11–*Lysimachia scopulensis*–a, identified in the legal description in paragraph (a)(1) of this section, constitutes critical habitat for *Lysimachia scopulensis* on Kauai. Within this unit, the primary constituent elements of critical habitat are:

(i) Annual precipitation: Less than 75 inches (190 centimeters).

(ii) Substrate: Greater than 65 degree slope, rocky talus.

(iii) Subcanopy: *Antidesma*, *Chamaesyce*, *Diospyros*, *Dodonaea*.

(iv) Understory: *Bidens*, *Eragrostis*, *Melanthera*, *Schiedea*.

FAMILY MYRSINACEAE: ***Lysimachia venosa*** (NCN)

Kauai 4–*Lysimachia venosa*–a, Kauai 10–*Lysimachia venosa*–b, Kauai 11–*Lysimachia venosa*–c, Kauai 18–*Lysimachia venosa*–d, and Kauai 19–*Lysimachia venosa*–e, identified in the legal descriptions in paragraph (a)(1) of this section, constitute critical habitat for *Lysimachia venosa* on Kauai. Within these units, the primary constituent elements of critical habitat are:

(i) Annual precipitation: Greater than 75 inches (190 centimeters).

(ii) Substrate: Greater than 65 degree slope, shallow soils, weathered lava.

(iii) Subcanopy: *Broussaisia*, *Cheirodendron*, *Leptecophylla*, *Metrosideros*.

(iv) Understory: Ferns, Bryophytes, *Coprosoma*, *Dubautia*, *Kadua*, *Peperomia*.

FAMILY MYRSINACEAE: ***Myrsine knudsenii*** (KOLEA)

Kauai 11–*Myrsine knudsenii*–a, Kauai 21–*Myrsine knudsenii*–b, and Kauai 22–*Myrsine knudsenii*–c, identified in the legal descriptions in paragraph (a)(1) of this section, constitute critical habitat for *Myrsine knudsenii* on Kauai. Within these units, the primary constituent elements of critical habitat are:

(i) Elevation: 3,000 to 5,243 ft (914 to 1,598 m).

(ii) Annual precipitation: 50 to 75 inches (127 to 190 centimeters).

(iii) Substrate: Weathered aa lava flows, rocky mucks, thin silty loams, deep volcanic ash soils.

(iv) Canopy: *Acacia*, *Metrosideros*, *Psychotria*, *Tetraplasandra*, *Zanthoxylum*.

(v) Subcanopy: *Cheirodendron*, *Coprosma*, *Kadua*, *Ilex*, *Myoporum*, *Myrsine*.

(vi) Understory: *Bidens*, *Dryopteris*, *Leptecophylla*, *Poa*, *Scaevola*, *Sophora*.

FAMILY MYRSINACEAE: ***Myrsine linearifolia*** (KOLEA)

Kauai 7—*Myrsine linearifolia*—a, Kauai 10—*Myrsine linearifolia*—b, Kauai 11—*Myrsine linearifolia*—c, Kauai 11—*Myrsine linearifolia*—d, Kauai 11—*Myrsine linearifolia*—e, and Kauai 11—*Myrsine linearifolia*—f, identified in the legal descriptions in paragraph (a)(1) of this section, constitute critical habitat for *Myrsine linearifolia* on Kauai. Within these units, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

(i) Diverse mesic or wet lowland or montane *Metrosideros polymorpha* forest with *Cheirodendron* spp. or *Dicranopteris linearis* as co-dominant species, and containing one or more of the following associated native plant species: *Bobea brevipes*, *Cryptocarya mannii*, *Dubautia* spp., *Eurya sandwicensis*, *Freycinetia arborea*, *Hedyotis terminalis*, Lysimachia glutinosa, *Machaerina angustifolia*, *Melicope* spp., *Myrsine* spp., *Nothocestrum* spp., *Psychotria* spp., *Sadleria pallida*, or *Syzygium sandwicensis*; and

(ii) Elevations between 129 and 1,345 m (424 and 4,411 ft).

FAMILY MYRSINACEAE: ***Myrsine mezii*** (KOLEA)

Kauai 10–*Myrsine mezii*–a, Kauai 11–*Myrsine mezii*–b, Kauai 11–*Myrsine mezii*–c, Kauai 21–*Myrsine mezii*–d, Kauai 22–*Myrsine mezii*–e, Kauai 23–*Myrsine mezii*–f, Kauai 24–*Myrsine mezii*–g, and Kauai 25–*Myrsine mezii*–h, identified in the legal descriptions in paragraph (a)(1) of this section, constitute critical habitat for *Myrsine mezii* on Kauai.

(i) In units Kauai 11–*Myrsine mezii*–c, Kauai 21–*Myrsine mezii*–d, and Kauai 22–*Myrsine mezii*–e, the primary constituent elements of critical habitat are:

(A) Elevation: 3,000 to 5,243 ft (914 to 1,598 m).

(B) Annual precipitation: 50 to 75 inches (127 to 190 centimeters).

(C) Substrate: Weathered aa lava flows, rocky mucks, thin silty loams, deep volcanic ash soils.

(D) Canopy: *Acacia*, *Metrosideros*, *Psychotria*, *Tetraplasandra*, *Zanthoxylum*.

(E) Subcanopy: *Cheirodendron*, *Coprosma*, *Kadua*, *Ilex*, *Myoporum*, *Myrsine*.

(F) Understory: *Bidens*, *Dryopteris*, *Leptecophylla*, *Poa*, *Scaevola*, *Sophora*.

(ii) In units Kauai 10–*Myrsine mezii*–a, Kauai 11–*Myrsine mezii*–b, Kauai 23–*Myrsine mezii*–f, Kauai 24–*Myrsine mezii*–g, and Kauai 25–*Myrsine mezii*–h, the primary constituent elements of critical habitat are:

(A) Elevation: 3,000 to 5,243 ft (914 to 1,598 m).

(B) Annual precipitation: Greater than 75 inches (190 centimeters).

(C) Substrate: Well-developed soils, montane bogs.

(D) Canopy: *Acacia*, *Charpentiera*, *Cheirodendron*, *Metrosideros*.

(E) Subcanopy: *Broussaisia*, *Cibotium*, *Eurya*, *Ilex*, *Myrsine*.

(F) Understory: Ferns, *Carex*, *Coprosma*, *Leptecophylla*, *Oreobolus*, *Rhynchospora*, *Vaccinium*.

FAMILY ORCHIDACEAE: ***Platanthera holochila*** (NCN)

Kauai 11—*Platanthera holochila*—a, identified in the legal description in paragraph (a)(1) of this section, constitutes critical habitat for *Platanthera holochila* on Kauai. Within this unit, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

(i) Montane *Metrosideros polymorpha—Dicranopteris linearis* wet forest or *M. polymorpha* mixed bog and containing one or more of the following associated native plant species: *Carex montis-eeka*, *Cibotium* spp., *Clermontia fauriei*, *Coprosma elliptica*, *Dichanthelium* spp., grammitid ferns (Grammitidaceae), *Leptecophylla tameiameiae*, *Lobelia kauaensis*, *Machaerina angustifolia*, *Myrsine denticulata*, *Oreobolus furcatus*, *Rhynchospora* spp., *Vaccinium* spp., or *Viola kauaensis*; and

(ii) Elevations between 861 and 1,453 m (2,825 and 4,766 ft).

FAMILY PITTOSPORACEAE: ***Pittosporum napaliense*** (HOAWA)

Kauai 7–*Pittosporum napaliense*–a and Kauai 11–*Pittosporum napaliense*–b, identified in the legal descriptions in paragraph (a)(1) of this section, constitute critical habitat for *Pittosporum napaliense* on Kauai. Within these units, the primary constituent elements of critical habitat are:

(i) Elevation: Less than 3,000 ft (914 m).

(ii) Annual precipitation: 50 to 75 inches (127 to 190 centimeters).

(iii) Substrate: Shallow soils, little to no herbaceous layer.

(iv) Canopy: *Acacia*, *Diospyros*, *Metrosideros*, *Myrsine*, *Pouteria*, *Santalum*.

(v) Subcanopy: *Dodonaea*, *Freycinetia*, *Leptecophylla*, *Melanthera*, *Osteomeles*, *Pleomele*, *Psydrax*.

(vi) Understory: *Carex*, *Dicranopteris*, *Diplazium*, *Elaphoglossum*, *Peperomia*.

FAMILY PLANTAGINACEAE: ***Plantago princeps*** (LAUKAHI KUAHIWI)

Kauai 10—*Plantago princeps*—a, Kauai 11—*Plantago princeps*—b, Kauai 11—*Plantago princeps*—c, and Kauai 11—*Plantago princeps*—d, identified in the legal descriptions in paragraph (a)(1) of this section, constitute critical habitat for *Plantago princeps* on Kauai. Within these units, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

(i) Windswept areas near waterfalls in *Metrosideros polymorpha-Cheirodendron* montane wet forest with riparian vegetation or *Metrosideros polymorpha* lowland to montane transitional wet forest on cliffs and ridges, growing on basalt rocky outcrops, and containing one or more of the following associated native plant species: *Antidesma platyphyllum* var. *hillebrandii*, *Bidens forbesii*, *Bidens sandvicensis*, *Bobea elatior*, *Boehmeria grandis*, *Carex meyenii*, *Carex wahuensis*, *Charpentiera elliptica*, *Cyrtandra* spp., *Diplazium sandwichianum*, *Freycinetia arborea*, *Gunnera kauaiensis*, *Hedyotis* spp., *Huperzia* spp. *Isachne pallens*, *Lipochaeta connata*, *Lysimachia glutinosa*, *Lysimachia kalalauensis*, *Machaerina angustifolia*, *Melicope* spp., *Myrsine linearifolia*, *Perrottetia sandwicensis*, *Pilea peploides*, *Pipturus* spp., *Poa mannii*, *Sadleria cyatheoides*, *Tetraplasandra* spp., or *Wilkesia gymnoxiphium*; and

(ii) Elevations between 434 and 1,563 m (1,424 and 5,128 ft).

FAMILY POACEAE: ***Ischaemum byrone*** (HILO ISCHAEMUM)

Kauai 1—*Ischaemum byrone*—a, Kauai 2—*Ischaemum byrone*—b, Kauai 3—*Ischaemum byrone*—c, and Kauai 11—*Ischaemum byrone*—d, identified in the legal descriptions in paragraph (a)(1) of this section, constitute critical habitat for *Ischaemum byrone* on Kauai. Within these units, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

(i) Coastal shrubland near the ocean among rocks and seepy cliffs and containing one or more of the following associated native plant species: *Bidens* spp., *Chamaesyce celastroides*, *Fimbristylis cymosa*, *Lipochaeta succulenta*, *Lysimachia mauritiana*, or *Scaevola sericea*; and

(ii) Elevations between 0 and 159 m (0 and 523 ft).

FAMILY POACEAE: ***Panicum niihauense*** (LAU EHU)

Kauai 14—*Panicum niihauense*—a, Kauai 15—*Panicum niihauense*—b, Kauai 16—*Panicum niihauense*—c, and Kauai 17—*Panicum niihauense*—d, identified in the legal descriptions in paragraph (a)(1) of this section, constitute critical habitat for *Panicum niihauense* on Kauai. Within these units, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

(i) Sand dunes in coastal shrubland and containing one or more of the following associated native plant species: *Cassytha filiformis*, *Chamaesyce celastroides*, *Dodonaea viscosa*, *Nama sandwicensis*, *Ophioglossum pendulum* ssp. *falcatum*, *Scaevola sericea*, *Sida fallax*, *Sporobolus virginicus*, or *Vitex rotundifolia*; and

(ii) Elevations between 0 and 29 m (0 and 95 ft).

FAMILY POACEAE: ***Poa mannii*** (MANN'S BLUEGRASS)

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

(i) Cliffs or rock faces in lowland or montane mesic *Metrosideros polymorpha* or *Acacia koa-Metrosideros polymorpha* forest and containing one or more of the following associated native plant species: *Antidesma platyphyllum*, *Artemisia australis*, *Bidens cosmoides*, *Bidens sandvicensis*, *Carex meyenii*, *Carex wahuensis*, *Chamaesyce celastroides* var. *hanapepensis*, *Cyperus phleoides*, *Diospyros sandwicensis*, *Dodonaea viscosa*, *Eragrostis variabilis*, *Hedyotis terminalis*, *Lobelia niihauensis*, *Lobelia yuccoides*, *Luzula hawaiiensis*, *Melicope anisata*, *Melicope barbigera*, *Melicope pallida*, *Nototrichium* spp., *Panicum lineale*, *Pleomele aurea*, *Pouteria sandwicensis*, *Psychotria greenwelliae*, *Psychotria mariniana*, *Schiedea* spp., or *Wilkesia gymnoxiphium*; and

(ii) Elevations between 327 and 1,222 m (1,072 and 4,009 ft).

FAMILY POACEAE: ***Poa sandvicensis*** (HAWAIIAN BLUEGRASS)

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

(i) Wet, shaded, gentle to steep slopes, ridges, and rock ledges of stream banks in semi-open to closed, wet, diverse *Acacia koa-Metrosideros polymorpha* montane forest and containing one or more of the following associated native species: *Alyxia oliviformis*, *Bidens sandvicensis*, *Cheirodendron* spp., *Claoxylon sandwicense*, *Coprosma* spp., *Dianella sandwicensis*, *Dicranopteris linearis*, *Dodonaea viscosa*, *Dubautia* spp., *Hedyotis* spp., *Melicope* spp., *Peperomia* spp., *Psychotria* spp., *Scaevola procera*, *Schiedea stellarioides*, or *Syzygium sandwicensis*; and

(ii) Elevations between 473 and 1,270 m (1,553 and 4,165 ft).

FAMILY POACEAE: ***Poa siphonoglossa*** (NCN)

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

(i) Shady banks on steep slopes in mesic *Metrosideros polymorpha-Acacia koa* forests and containing one or more of the following associated native plant species: *Alphitonia ponderosa*, *Alyxia oliviformis*, *Bobea brevipes*, *Carex meyenii*, *Carex wahuensis*, *Coprosma waimeae*, *Dianella sandwicensis*, *Dodonaea viscosa*, *Dubautia* spp., *Hedyotis* spp., *Leptecophylla tameiameiae*, *Lobelia yuccoides*, *Melicope*

spp., *Microlepia strigosa*, *Myrsine* spp., *Panicum nephelophilum*, *Poa sandvicensis*, *Psychotria* spp., *Scaevola procera*, *Tetraplasandra kavaiensis*, *Vaccinium* spp., *Wilkesia gymnoxiphium*, *Xylosma* spp., or *Zanthoxylum dipetalum*; and

(ii) Elevations between 480 and 1,296 m (1,573 and 4,251 ft).

FAMILY PRIMULACEAE: ***Lysimachia filifolia*** (NO COMMON NAME)

Kauai 10—*Lysimachia filifolia*—a, identified in the legal description in paragraph (a)(1) of this section, constitutes critical habitat for *Lysimachia filifolia* on Kauai. Within this unit, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

(i) Mossy banks at the base of cliff faces within the spray zone of waterfalls or along streams in lowland wet forests and containing one or more of the following associated native plant species: *Antidesma platyphyllum*, *Bidens valida*, *Bobea elatior*, *Chamaesyce remyi* var *kauaiensis*, *Cyanea asarifolia*, *Dubautia plantaginea* ssp. *magnifolia*, *Eragrostis variabilis*, *Machaerina angustifolia*, *Melicope* spp., *Metrosideros polymorpha*, or *Panicum lineale*; and

(ii) Elevations between 454 and 1,308 m (1,490 and 4,290 ft).

FAMILY RHAMNACEAE: ***Gouania meyenii*** (NCN)

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

(i) Rocky ledges, cliff faces, and ridge tops in dry shrubland or *Metrosideros polymorpha* lowland diverse mesic forest and containing one or more of the following native plant species: *Bidens* spp., *Carex meyenii*, *Chamaesyce* spp., *Dodonaea viscosa*, *Diospyros* spp., *Eragrostis variabilis*, *Euphorbia haeleeleana*, *Hedyotis* spp., *Hibiscadelphus* spp., *Lysimachia* spp., *Melicope pallida*, *Neraudia kauaiensis*, *Nestegis sandwicensis*, *Nototrichium divaricatum*, *Panicum lineale*, *Poa mannii*, *Psychotria* spp., *Senna gaudichaudii*, or *Wilkesia gymnoxiphium*; and

(ii) Elevations between 375 and 1,179 m (1,231 and 3,867 ft).

FAMILY RUBIACEAE: ***Hedyotis cookiana*** (AWIWI)

Kauai 11—*Hedyotis cookiana*—a, identified in the legal description in paragraph (a)(1) of this section, constitutes critical habitat for *Hedyotis cookiana* on Kauai. Within this unit, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

(i) Streambeds or steep cliffs close to water sources in relict *Metrosideros polymorpha* lowland mesic and lowland wet forest communities containing one or more of the following associated native plant species: *Boehmeria grandis*, *Chamaesyce celastroides* var. *hanapepensis*, *Hibiscus kokio* ssp. *saintjohnianus*, *Machaerina angustifolia*, *Nototrichium sandwicense*, *Pipturus kauaiensis*, *Pleomele aurea*, *Pouteria sandwicensis*, *Psydrax odorata*, or *Rauvolfia sandwicensis;* and

(ii) Elevations between 120 and 553 m (392 and 1,814 ft).

FAMILY RUBIACEAE: ***Hedyotis st.-johnii*** (NA PALI BEACH HEDYOTIS)

Kauai 11—*Hedyotis st.-johnii*—a, identified in the legal description in paragraph (a)(1) of this section, constitutes critical habitat for *Hedyotis st.-johnii* on Kauai. Within this unit, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

(i) Crevices of north-facing, near-vertical coastal cliff faces within the spray zone in sparse dry coastal shrubland and containing one or more of the following native plant species: *Artemisia australis*, *Bidens* spp., *Capparis sandwichiana*, *Chamaesyce celastroides*, *Eragrostis variabilis*, *Heteropogon contortus*, *Lipochaeta connata*, *Lycium sandwicense*, *Myoporum sandwicense*, *Nototrichium sandwicense*, or *Schiedea apokremnos;* and

(ii) Elevations between 0 and 187 m (0 and 613 ft).

FAMILY RUBIACEAE: ***Psychotria grandiflora*** (KOPIKO)

Kauai 10–*Psychotria grandiflora*–a, Kauai 11–*Psychotria grandiflora*–b, Kauai 11–*Psychotria grandiflora*–c, Kauai 21–*Psychotria grandiflora*–d, Kauai 22–*Psychotria grandiflora*–e, Kauai 23–*Psychotria grandiflora*–f, Kauai 24–*Psychotria grandiflora*–g, and Kauai 25–*Psychotria grandiflora*–h, identified in the legal descriptions in paragraph (a)(1) of this section, constitute critical habitat for *Psychotria grandiflora* on Kauai.

(i) In units Kauai 11–*Psychotria grandiflora*–c, Kauai 21–*Psychotria grandiflora*–d, and Kauai 22–*Psychotria grandiflora*–e, the primary constituent elements of critical habitat are:

(A) Elevation: 3,000 to 5,243 ft (914 to 1,598 m).

(B) Annual precipitation: 50 to 75 inches (127 to 190 centimeters).

(C) Substrate: Weathered aa lava flows, rocky mucks, thin silty loams, deep volcanic ash soils.

(D) Canopy: *Acacia*, *Metrosideros*, *Psychotria*, *Tetraplasandra*, *Zanthoxylum*.

(E) Subcanopy: *Cheirodendron*, *Coprosma*, *Kadua*, *Ilex*, *Myoporum*, *Myrsine*.

(F) Understory: *Bidens*, *Dryopteris*, *Leptecophylla*, *Poa*, *Scaevola*, *Sophora*.

(ii) In units Kauai 10–*Psychotria grandiflora*–a, Kauai 11–*Psychotria grandiflora*–b, Kauai 23–*Psychotria grandiflora*–f, Kauai 24–*Psychotria grandiflora*–g, and Kauai 25–*Psychotria grandiflora*–h, the primary constituent elements of critical habitat are:

(A) Elevation: 3,000 to 5,243 ft (914 to 1,598 m).

(B) Annual precipitation: Greater than 75 inches (190 centimeters).

(C) Substrate: Well-developed soils, montane bogs.

(D) Canopy: *Acacia*, *Charpentiera*, *Cheirodendron*, *Metrosideros*.

(E) Subcanopy: *Broussaisia*, *Cibotium*, *Eurya*, *Ilex*, *Myrsine*.

(F) Understory: Ferns, *Carex*, *Coprosma*, *Leptecophylla*, *Oreobolus*, *Rhynchospora*, *Vaccinium*.

FAMILY RUBIACEAE: ***Psychotria hobdyi*** (KOPIKO)

Kauai 7–*Psychotria hobdyi*–a and Kauai 11–*Psychotria hobdyi*–b, identified in the legal descriptions in paragraph (a)(1) of this section, constitute critical habitat for *Psychotria hobdyi* on Kauai. Within these units, the primary constituent elements of critical habitat are:

(i) Elevation: Less than 3,000 ft (914 m).

(ii) Annual precipitation: 50 to 75 inches (127 to 190 centimeters).

(iii) Substrate: Shallow soils, little to no herbaceous layer.

(iv) Canopy: *Acacia*, *Diospyros*, *Metrosideros*, *Myrsine*, *Pouteria*, *Santalum*.

(v) Subcanopy: *Dodonaea*, *Freycinetia*, *Leptecophylla*, *Melanthera*, *Osteomeles*, *Pleomele*, *Psydrax*.

(vi) Understory: *Carex*, *Dicranopteris*, *Diplazium*, *Elaphoglossum*, *Peperomia*.

FAMILY RUTACEAE: ***Melicope degeneri*** (ALANI)

Kauai 10–*Melicope degeneri*–a, Kauai 11–*Melicope degeneri*–b, Kauai 23–*Melicope degeneri*–c, Kauai 24–*Melicope degeneri*–d, and Kauai 25–*Melicope degeneri*–e, identified in the legal descriptions in paragraph (a)(1) of this section, constitute critical habitat for *Melicope degeneri* on Kauai. Within these units, the primary constituent elements of critical habitat are:

(i) Elevation: 3,000 to 5,243 ft (914 to 1,598 m).

(ii) Annual precipitation: Greater than 75 inches (190 centimeters).

(iii) Substrate: Well-developed soils, montane bogs.

(iv) Canopy: *Acacia*, *Charpentiera*, *Cheirodendron*, *Metrosideros*.

(v) Subcanopy: *Broussaisia*, *Cibotium*, *Eurya*, *Ilex*, *Myrsine*.

(vi) Understory: Ferns, *Carex*, *Coprosma*, *Leptecophylla*, *Oreobolus*, *Rhynchospora*, *Vaccinium*.

FAMILY RUTACEAE: ***Melicope haupuensis*** (ALANI)

Kauai 7—*Melicope haupuensis*—a, Kauai 11—*Melicope haupuensis*—b, and Kauai 11—*Melicope haupuensis*—c, identified in the legal descriptions in paragraph (a)(1) of this section, constitute

critical habitat for *Melicope haupuensis* on Kauai. Within these units, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

(i) Moist talus slopes in *Metrosideros polymorpha*-dominated lowland mesic forests or *Metrosideros polymorpha-Acacia koa* montane mesic forest and containing one or more of the following associated native plant species: *Antidesma platyphyllum* var. *hillebrandii*, *Bobea brevipes*, *Cheirodendron trigynum*, *Claoxylon sandwicense*, *Cryptocarya mannii*, *Dianella sandwicensis*, *Diospyros hillebrandii*, *Diospyros sandwicensis*, *Dodonaea viscosa*, *Elaeocarpus bifidus*, *Hedyotis terminalis*, *Melicope anisata*, *Melicope barbigera*, *Melicope ovata*, *Pleomele aurea*, *Pouteria sandwicensis*, *Pritchardia minor*, *Psychotria greenwelliae*, *Psychotria mariniana*, *Tetraplasandra waimeae*, or *Zanthoxylum dipetalum;* and

(ii) Elevations between 125 and 1,249 m (410 and 4,097 ft).

FAMILY RUTACEAE: ***Melicope knudsenii***
(ALANI)

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

(i) Forested flats with brown granular soil in lowland dry to montane mesic forests and containing one or more of the following associated native plant species: *Alectryon macrococcus*, *Antidesma platyphylla*, *Bobea brevipes*, *Carex meyenii*, *Cryptocarya mannii*, *Diospyros sandwicensis*, *Diplazium sandwichianum*, *Dodonaea viscosa*, *Euphorbia haeleeleana*, *Gahnia beecheyi*, *Hedyotis spp.*, *Hibiscus waimeae*, *Isodendrion laurifolium*, *Leptecophylla tameiameiae*, *Melicope spp.*, *Metrosideros polymorpha*, *Myrsine lanaiensis*, *Nestegis sandwicensis*, *Panicum nephelophilum*, *Peucedanum sandwicense*, *Pisonia sandwicensis*, *Pittosporum kauaiensis*, *Pleomele aurea*, *Pouteria sandwicensis*, *Pritchardia minor*, *Psychotria hobdyi*, *Psydrax odorata*, *Rauvolfia sandwicensis*, *Remya kauaiensis*, *Scaevola procera*, or *Xylosma hawaiiense;* and

(ii) Elevations between 346 and 1,065 m (1,135 and 3,492 ft).

FAMILY RUTACEAE: ***Melicope pallida***
(ALANI)

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

(i) Steep rock faces in lowland to montane mesic to wet forests or shrubland and containing one or more of the following associated native plant species: *Alyxia oliviformis*, *Artemisia australis*, *Boehmeria grandis*, *Carex meyenii*, *Chamaesyce celastroides* var. *hanapepensis*, *Coprosma kauensis*, *Coprosma waimeae*, *Dodonaea viscosa*, *Dryopteris* spp., *Hedyotis terminalis*, *Lepidium serra*, *Melicope* spp., *Metrosideros polymorpha*, *Nototrichium* spp., *Pipturus albidus*, *Pleomele aurea*, *Poa mannii*, *Psychotria mariniana*, *Pritchardia minor*, *Sapindus oahuensis*, *Schiedea membranacea*, *Tetraplasandra waialealae*, or *Xylosma hawaiiense;* and

(ii) Elevations between 418 and 1,081 m (1,371 and 3,546 ft).

FAMILY RUTACEAE: ***Melicope paniculata***
(ALANI)

Kauai 10–*Melicope paniculata*–a, Kauai 11–*Melicope paniculata*–b, and Kauai 20–*Melicope paniculata*–c, identified in the legal descriptions in paragraph (a)(1) of this section, constitute critical habitat for *Melicope paniculata* on Kauai. Within these units, the primary constituent elements of critical habitat are:

(i) Elevation: Less than 3,000 ft (914 m).

(ii) Annual precipitation: Greater than 75 inches (190 centimeters).

(iii) Substrate: Clays, ashbeds, deep well-drained soils, lowland bogs.

(iv) Canopy: *Antidesma*, *Metrosideros*, *Myrsine*, *Pisonia*, *Psychotria*.

(v) Subcanopy: *Cibotium*, *Claoxylon*, *Kadua*, *Melicope*.

(vi) Understory: *Alyxia*, *Cyrtandra*, *Dicranopteris*, *Diplazium*, *Machaerina*, *Microlepia*.

FAMILY RUTACEAE: ***Melicope puberula***
(ALANI)

Kauai 10–*Melicope puberula*–a, Kauai 10–*Melicope puberula*–b, Kauai 11–*Melicope puberula*–c, Kauai 11–*Melicope puberula*–d, Kauai 20–*Melicope puberula*–e, Kauai 23–*Melicope puberula*–f, Kauai 24–*Melicope puberula*–g, and Kauai 25–*Melicope puberula*–h, identified in the legal descriptions in paragraph (a)(1) of this section, constitute critical habitat for *Melicope puberula* on Kauai.

(i) In units Kauai 10–*Melicope puberula*–b, Kauai 11–*Melicope puberula*–d, and Kauai 20–*Melicope puberula*–e, the primary constituent elements of critical habitat are:

(A) Elevation: Less than 3,000 ft (914 m).

(B) Annual precipitation: Greater than 75 inches (190 centimeters).

(C) Substrate: Clays, ashbeds, deep well-drained soils, lowland bogs.

(D) Canopy: *Antidesma*, *Metrosideros*, *Myrsine*, *Pisonia*, *Psychotria*.

(E) Subcanopy: *Cibotium*, *Claoxylon*, *Kadua*, *Melicope*.

(F) Understory: *Alyxia*, *Cyrtandra*, *Dicranopteris*, *Diplazium*, *Machaerina*, *Microlepia*.

(ii) In units Kauai 10–*Melicope puberula*–a, Kauai 11–*Melicope puberula*–c, Kauai 23–*Melicope puberula*–f, Kauai 24–*Melicope puberula*–g, and Kauai 25–*Melicope puberula*–h, the primary constituent elements of critical habitat are:

(A) Elevation: 3,000 to 5,243 ft (914 to 1,598 m).

(B) Annual precipitation: Greater than 75 inches (190 centimeters).

(C) Substrate: Well-developed soils, montane bogs.

(D) Canopy: *Acacia*, *Charpentiera*, *Cheirodendron*, *Metrosideros*.

(E) Subcanopy: *Broussaisia*, *Cibotium*, *Eurya*, *Ilex*, *Myrsine*.

(F) Understory: Ferns, *Carex*, *Coprosma*, *Leptecophylla*, *Oreobolus*, *Rhynchospora*, *Vaccinium*.

FAMILY RUTACEAE: ***Platydesma rostrata***
(PILO KEA LAU LII)

Kauai 4–*Platydesma rostrata*–a, Kauai 7–*Platydesma rostrata*–b, Kauai 10–*Platydesma rostrata*–c, Kauai 10–*Platydesma rostrata*–d, Kauai 10–*Platydesma rostrata*–e, Kauai 11–*Platydesma rostrata*–f, Kauai 11–*Platydesma rostrata*–g, Kauai 11–*Platydesma rostrata*–h, Kauai 11–*Platydesma rostrata*–i, Kauai 11–*Platydesma rostrata*–j, Kauai 18–*Platydesma rostrata*–k, Kauai 19–*Platydesma rostrata*–l, Kauai 20–*Platydesma rostrata*–m, Kauai 21–*Platydesma rostrata*–n, Kauai 22–*Platydesma rostrata*–o, Kauai 23–*Platydesma rostrata*–p, Kauai 24–*Platydesma rostrata*–q, and Kauai 25–*Platydesma rostrata*–r, identified in the legal descriptions in paragraph (a)(1) of this section, constitute critical habitat for *Platydesma rostrata* on Kauai.

(i) In units Kauai 7–*Platydesma rostrata*–b and Kauai 11–*Platydesma rostrata*–g, the primary constituent elements of critical habitat are:

(A) Elevation: Less than 3,000 ft (914 m).

(B) Annual precipitation: 50 to 75 inches (127 to 190 centimeters).

(C) Substrate: Shallow soils, little to no herbaceous layer.

(D) Canopy: *Acacia*, *Diospyros*, *Metrosideros*, *Myrsine*, *Pouteria*, *Santalum*.

(E) Subcanopy: *Dodonaea*, *Freycinetia*, *Leptecophylla*, *Melanthera*, *Osteomeles*, *Pleomele*, *Psydrax*.

(F) Understory: *Carex*, *Dicranopteris*, *Diplazium*, *Elaphoglossum*, *Peperomia*.

(ii) In units Kauai 10–*Platydesma rostrata*–d, Kauai 11–*Platydesma rostrata*–h, and Kauai 20–*Platydesma rostrata*–m, the primary constituent elements of critical habitat are:

(A) Elevation: Less than 3,000 ft (914 m).

(B) Annual precipitation: Greater than 75 inches (190 centimeters).

(C) Substrate: Clays, ashbeds, deep well-drained soils, lowland bogs.

(D) Canopy: *Antidesma*, *Metrosideros*, *Myrsine*, *Pisonia*, *Psychotria*.

(E) Subcanopy: *Cibotium*, *Claoxylon*, *Kadua*, *Melicope*.

(F) Understory: *Alyxia*, *Cyrtandra*, *Dicranopteris*, *Diplazium*, *Machaerina*, *Microlepia*.

(iii) In units Kauai 11–*Platydesma rostrata*–j, Kauai 21–*Platydesma rostrata*–n, and Kauai 22–*Platydesma rostrata*–o,

the primary constituent elements of critical habitat are:

(A) Elevation: 3,000 to 5,243 ft (914 to 1,598 m).

(B) Annual precipitation: 50 to 75 inches (127 to 190 centimeters).

(C) Substrate: Weathered aa lava flows, rocky mucks, thin silty loams, deep volcanic ash soils.

(D) Canopy: *Acacia, Metrosideros, Psychotria, Tetraplasandra, Zanthoxylum.*

(E) Subcanopy: *Cheirodendron, Coprosma, Kadua, Ilex, Myoporum, Myrsine.*

(F) Understory: *Bidens, Dryopteris, Leptecophylla, Poa, Scaevola, Sophora.*

(iv) In units Kauai 10–*Platydesma rostrata*–c, Kauai 11–*Platydesma rostrata*–f, Kauai 23–*Platydesma rostrata*–p, Kauai 24–*Platydesma rostrata*–q, and Kauai 25–*Platydesma rostrata*–r, the primary constituent elements of critical habitat are:

(A) Elevation: 3,000 to 5,243 ft (914 to 1,598 m).

(B) Annual precipitation: Greater than 75 inches (190 centimeters).

(C) Substrate: Well-developed soils, montane bogs.

(D) Canopy: *Acacia, Charpentiera, Cheirodendron, Metrosideros.*

(E) Subcanopy: *Broussaisia, Cibotium, Eurya, Ilex, Myrsine.*

(F) Understory: Ferns, *Carex, Coprosma, Leptecophylla, Oreobolus, Rhynchospora, Vaccinium.*

(v) In units Kauai 4–*Platydesma rostrata*–a, Kauai 10–*Platydesma rostrata*–e, Kauai 11–*Platydesma rostrata*–i, Kauai 18–*Platydesma rostrata*–k, and Kauai 19–*Platydesma rostrata*–l, the primary constituent elements of critical habitat are:

(A) Annual precipitation: Greater than 75 inches (190 centimeters).

(B) Substrate: Greater than 65 degree slope, shallow soils, weathered lava.

(C) Subcanopy: *Broussaisia, Cheirodendron, Leptecophylla, Metrosideros.*

(D) Understory: Ferns, Bryophytes, *Coprosoma, Dubautia, Kadua, Peperomia.*

FAMILY RUTACEAE: ***Zanthoxylum hawaiiense*** (AE)

Kauai 11—*Zanthoxylum hawaiiense*—a, identified in the legal description in paragraph (a)(1) of this section, constitutes critical habitat for *Zanthoxylum hawaiiense* on Kauai. Within this unit, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

(i) Lowland dry or mesic forests dominated by *Metrosideros polymorpha* or *Diospyros sandwicensis*, and containing one or more of the following associated plant species: *Alectryon macrococcus, Antidesma platyphyllum, Charpentiera elliptica, Dodonaea viscosa, Melicope* spp., *Myrsine lanaiensis, Pisonia* spp., *Pleomele aurea, Streblus pendulinus,* or *Zanthoxylum dipetalum;* and

(ii) Elevations between 332 and 1,151 m (1,089 and 3,774 ft).

FAMILY SANTALACEAE: ***Exocarpos luteolus*** (HEAU)

Kauai 10—*Exocarpos luteolus*—a, Kauai 11—*Exocarpos luteolus*—b, Kauai 11—*Exocarpos luteolus*—c, Kauai 11—*Exocarpos luteolus*—d, and Kauai 11—*Exocarpos luteolus*—e, identified in the legal descriptions in paragraph (a)(1) of this section, constitute critical habitat for *Exocarpos luteolus* on Kauai. Within these units, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

(i) Wet places bordering swamps or open bogs or on open or dry ridges in lowland or montane mesic *Acacia koa-Metrosideros polymorpha*-dominated forest communities with *Dicranopteris linearis* and containing one or more of the following native plant species: *Bobea brevipes, Cheirodendron trigynum, Claoxylon sandwicense, Dianella sandwicensis, Dodonaea viscosa, Dubautia laevigata, Elaeocarpus bifidus, Hedyotis terminalis, Leptecophylla tameiameiae, Melicope haupuensis, Peperomia* spp., *Pleomele aurea, Poa sandvicensis, Pouteria sandwicensis, Psychotria greenwelliae, Psychotria mariniana, Santalum freycinetianum,* or *Schiedea stellarioides;* and

(ii) Elevations between 416 and 1,453 m (1,364 and 4,766 ft).

FAMILY SAPINDACEAE: ***Alectryon macrococcus*** (MAHOE)

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

(i) Dry slopes or gulches in *Diospyros* spp.-*Metrosideros polymorpha* lowland mesic forest, *Metrosideros polymorpha* mixed mesic forest, or *Diospyros* spp. mixed mesic forest, and containing one or more of the following native plant species: *Acacia koa*, *Alyxia oliviformis*, *Antidesma* spp., *Bobea timonioides*, *Caesalpinia kavaiense*, *Canavalia* spp., *Carex meyenii*, *Carex wahuensis*, *Doodia kunthiana*, *Hibiscus waimeae*, *Kokia kauaiensis*, *Melicope knudsenii*, *Microlepia strigosa*, *Munroidendron racemosum*, *Myrsine lanaiensis*, *Nesoluma polynesicum*, *Nestegis sandwicensis*, *Pisonia* spp., *Pleomele aurea*, *Pouteria sandwicensis*, *Psychotria* spp., *Psydrax odorata*, *Pteralyxia kauaiensis*, *Rauvolfia sandwicensis*, *Streblus pendulinus*, *Tetraplasandra* spp., *Xylosma* spp., or *Zanthoxylum spp.;* and

(ii) Elevations between 343 and 954 m (1,126 and 3,129 ft).

FAMILY SOLANACEAE: ***Nothocestrum peltatum*** (AIEA)

Kauai 11—*Nothocestrum peltatum*—a, Kauai 11—*Nothocestrum peltatum*—b, Kauai 11—*Nothocestrum peltatum*—c, and *Kauai 12—Nothocestrum peltatum*—d, identified in the legal descriptions in paragraph (a)(1) of this section, constitute critical habitat for *Nothocestrum peltatum* on Kauai. Within these units, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

(i) Rich soil on steep slopes in mesic or wet forest dominated by *Acacia koa* or a mixture of *Acacia koa* and *Metrosideros polymorpha* and containing one or more of the following associated native plant species: *Alphitonia ponderosa*, *Antidesma* spp., *Bobea brevipes*, *Broussaisia arguta*, *Cheirodendron trigynum*, *Claoxylon sandwicense*, *Coprosma* spp., *Cryptocarya mannii*, *Dianella sandwicensis*, *Dicranopteris linearis*, *Diplazium sandwichianum*, *Dodonaea viscosa*, *Elaeocarpus bifidus*, *Hedyotis terminalis*, *Ilex anomala*, *Melicope anisata*, *Melicope barbigera*, *Melicope haupuensis*, *Perrottetia sandwicensis*, *Pleomele aurea*, *Pouteria sandwicensis*, *Psychotria mariniana*, *Psychotria greenwelliae*, *Tetraplasandra kavaiensis*, or *Xylosma* spp.; and

(ii) Elevations between 581 and 1,290 m (1,906 and 4,232 ft).

FAMILY SOLANACEAE: ***Solanum sandwicense*** (AIAKEAKUA, POPOLO)

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

(i) Under forest canopies in diverse lowland or montane *Acacia koa* or *Acacia koa-Metrosideros polymorpha* mesic or wet forests and containing one or more of the following associated plant species: *Alphitonia ponderosa*, *Athyrium sandwicensis*, *Bidens* spp., *Carex meyenii*, *Coprosma* spp., *Cryptocarya mannii*, *Dianella sandwicensis*, *Dicranopteris linearis*, *Dubautia* spp., *Hedyotis* spp., *Ilex anomala*, *Melicope* spp., *Poa* spp., *Pouteria sandwicensis*, *Psychotria* spp., *Syzygium sandwicensis*, or *Xylosma hawaiiense;* and

(ii) Elevations between 540 and 1,290 m (1,770 and 4,232 ft).

FAMILY VIOLACEAE: ***Isodendrion laurifolium*** (AUPAKA)

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

(i) Diverse mesic forest dominated by *Metrosideros polymorpha*, *Acacia koa* or *Diospyros* spp. and containing one or

more of the following associated native plant species: *Alphitonia ponderosa*, *Antidesma* spp., *Claoxylon sandwicense*, *Dodonaea viscosa*, *Dubautia* spp., *Elaeocarpus bifidus*, *Euphorbia haeleeleana*, *Hedyotis terminalis*, *Kokia kauaiensis*, *Melicope anisata*, *Melicope barbigera*, *Melicope ovata*, *Melicope peduncularis*, *Myrsine lanaiensis*, *Nestegis sandwicensis*, *Pisonia* spp., *Pittosporum glabrum*, *Pleomele aurea*, *Pouteria sandwicensis*, *Psydrax odorata*, *Streblus pendulinus*, or *Xylosma hawaiiense;* and

(ii) Elevations between 397 and 1,164 m (1,303 and 3,817 ft).

FAMILY VIOLACEAE: ***Isodendrion longifolium*** (AUPAKA)

Kauai 7—*Isodendrion longifolium*—a, Kauai 10—*Isodendrion longifolium*—b, Kauai 11—*Isodendrion longifolium*—c, Kauai 11—*Isodendrion longifolium*—d, and Kauai 11—*Isodendrion longifolium*—e, identified in the legal descriptions in paragraph (a)(1) of this section, constitute critical habitat for *Isodendrion longifolium* on Kauai. Within these units, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

(i) Steep slopes, gulches, or streambanks and flats in undisturbed areas, in mesic or wet *Metrosideros polymorpha-Acacia koa* forests and containing one or more of the following native species: *Antidesma* spp., *Bidens* spp., *Bobea brevipes*, *Cheirodendron* spp., *Cibotium* spp., *Cyanea hardyi*, *Cyrtandra* spp., *Dicranopteris linearis*, *Diospyros* spp., *Eugenia reinwardtiana*, *Hedyotis* spp., *Ilex anomala*, *Melicope* spp., *Nestegis sandwicensis*, *Peperomia* spp., *Perrottetia sandwicensis*, *Pipturus* spp., *Pittosporum* spp., *Pritchardia* spp., *Psychotria* spp., *Psydrax odorata*, or *Syzygium sandwicensis;* and

(ii) Elevations between 127 and 1,295 m (418 and 4,246 ft).

FAMILY VIOLACEAE: ***Viola helenae*** (NCN)

Kauai 10—*Viola helenae*—a, identified in the legal description in paragraph (a)(1) of this section, constitutes critical habitat for *Viola helenae* on Kauai. Within this unit, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

(i) Stream drainage banks or adjacent valley bottoms in light to moderate shade in *Metrosideros polymorpha-Dicranopteris linearis* lowland wet forest or *Metrosideros polymorpha-Cheirodendron* wet forest and containing one or more of the following native plant species: *Antidesma platyphyllum* var. *hillebrandii*, *Broussaisia arguta*, *Dicranopteris linearis*, *Diplazium sandwichianum*, *Dubautia* spp., *Freycinetia arborea*, *Hesperomannia lydgatei*, *Melicope* spp., or *Pritchardia* spp.; and

(ii) Elevations between 522 and 1,006 m (1,712 and 3,301 ft).

FAMILY VIOLACEAE: ***Viola kauaiensis*** VAR. ***wahiawaensis*** (NANI WAIALEALE)

Kauai 10—*Viola kauaiensis* var. *wahiawaensis*—a, identified in the legal description in paragraph (a)(1) of this section, constitutes critical habitat for *Viola kauaiensis* var. *wahiawaensis* on Kauai. Within this unit, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

(i) *Machaerina angustifolia-Rhynchospora rugosa* lowland bog or mixed wet shrubland and adjacent *Metrosideros polymorpha* wet forest and containing one or more of the following native plant species: *Antidesma platyphyllum* var. *hillebrandii*, *Bidens forbesii*, *Chamaesyce remyi*, *Chamaesyce sparsiflora*, *Coprosma* spp., *Cyanea fissa*, *Dicranopteris linearis*, *Diplopterygium pinnatum*, *Dubautia imbricata*, *Dubautia raillardioides*, *Gahnia vitiensis*, *Leptechophylla tameiameiae*, *Lobelia kauaensis*, *Machaerina angustifolia*, *Machaerina mariscoides*, *Melicope* spp., *Psychotria wawrae*, *Sadleria pallida*, *Scaevola gaudichaudii*, *Sphenomeris chinensis*, *Syzygium sandwicensis*, *Tetraplasandra oahuensis*, or *Vaccinium dentatum;* and

(ii) Elevations between 394 and 1,006 (1,291 and 3,301 ft).

(2) *Ferns and allies.*

FAMILY ASPLENIACEAE: ***Diellia erecta***
(NO COMMON NAME)

Kauai 11—*Diellia erecta*—a, identified in the legal description in paragraph (a)(1) of this section, constitutes critical habitat for *Diellia erecta* on Kauai. Within this unit, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

(i) Brown granular soil with leaf litter and occasional terrestrial moss on north-facing slopes in deep shade on steep slopes or gulch bottoms in *Metrosideros polymorpha-Dicranopteris linearis* wet forest or *Metrosideros polymorpha* mixed mesic forest with *Acacia koa* and *Acacia koaia* as co-dominants and containing one or more of the following native plant species: *Asplenium aethiopicum*, *Asplenium contiguum*, *Asplenium macraei*, *Coprosma* spp., *Dodonaea viscosa*, *Dryopteris fuscoatra*, *Dryopteris unidentata*, *Hedyotis terminalis*, *Leptecophylla tameiameiae*, *Melicope* spp., *Microlepia strigosa*, *Myrsine* spp., *Nestegis sandwicensis*, *Psychotria* spp., *Syzygium sandwicensis*, or *Wikstroemia* spp.; and

(ii) Elevations between 655 and 1,224 m (2,149 and 4,016 ft).

FAMILY ASPLENIACEAE: ***Diellia mannii***
(NCN)

Kauai 11–*Diellia mannii*–a, Kauai 21–*Diellia mannii*–b, and Kauai 22–*Diellia mannii*–c, identified in the legal descriptions in paragraph (a)(1) of this section, constitute critical habitat for *Diellia mannii* on Kauai. Within these units, the primary constituent elements of critical habitat are:

(i) Elevation: 3,000 to 5,243 ft (914 to 1,598 m).

(ii) Annual precipitation: 50 to 75 inches (127 to 190 centimeters).

(iii) Substrate: Weathered aa lava flows, rocky mucks, thin silty loams, deep volcanic ash soils.

(iv) Canopy: *Acacia*, *Metrosideros*, *Psychotria*, *Tetraplasandra*, *Zanthoxylum*.

(v) Subcanopy: *Cheirodendron*, *Coprosma*, *Kadua*, *Ilex*, *Myoporum*, *Myrsine*.

(vi) Understory: *Bidens*, *Dryopteris*, *Leptecophylla*, *Poa*, *Scaevola*, *Sophora*.

FAMILY ASPLENIACEAE: ***Diellia pallida***
(NO COMMON NAME)

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

(i) Bare granular soil with dry to mesophytic leaf litter with a pH of 6.9 to 7.9 on steep talus slopes in lowland mesic forests and containing one or more of the following native plant species: *Acacia koa*, *Alectryon macrococcus*, *Alphitonia ponderosa*, *Alyxia oliviformis*, *Antidesma platyphyllum*, *Asplenium* spp., *Carex meyenii*, *Diospyros hillebrandii*, *Diospyros sandwicensis*, *Doodia kunthiana*, *Hedyotis knudsenii*, *Leptecophylla tameiameiae*, *Metrosideros polymorpha*, *Microlepia strigosa*, *Myrsine lanaiensis*, *Nestegis sandwicensis*, *Psychotria mariniana*, *Psydrax odorata*, *Pteralyxia kauaiensis*, *Rauvolfia sandwicensis*, *Tetraplasandra kavaiensis*, *Wilkesia gymnoxiphium*, or *Zanthoxylum dipetalum;* and

(ii) Elevations between 445 and 1,028 m (1,461 and 3,371 ft).

FAMILY ASPLENIACEAE: ***Diplazium molokaiense*** (NCN)

Kauai 11—*Diplazium molokaiense*—a, identified in the legal description in paragraph (a)(1) of this section, constitutes critical habitat for *Diplazium molokaiense* on Kauai. Within this unit, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

(i) Brown soil with basalt outcrops near waterfalls in lowland or montane mesic *Metrosideros polymorpha-Acacia koa* forest; and

(ii) Elevations between 624 and 1,234 m (2,048 and 4,048 ft).

FAMILY ASPLENIACEAE: ***Ctenitis squamigera*** (PAUOA)

Kauai 11—*Ctenitis squamigera*—a, identified in the legal description in paragraph (a)(1) of this section, constitutes critical habitat for *Ctenitis*

squamigera on Kauai. Within this unit, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

(i) Rock faces in gulches in the understory of *Metrosideros polymorpha-Diospyros* spp. mesic forest and diverse mesic forest and containing one or more of the following native plant species: *Myrsine* spp., *Psychotria* spp., or *Xylosma* spp.; and

(ii) Elevations between 538 and 1,069 m (1,765 and 3,507 ft).

FAMILY DRYOPTERIDACEAE: ***Dryopteris crinalis*** VAR. *podosorus* (PALAPALAI AUMAKUA)

Kauai 10–*Dryopteris crinalis* var. *podosorus*–a, Kauai 11–*Dryopteris crinalis* var. *podosorus*–b, Kauai 23–*Dryopteris crinalis* var. *podosorus*–c, Kauai 24–*Dryopteris crinalis* var. *podosorus*–d, and Kauai 25–*Dryopteris crinalis* var. *podosorus*–e, identified in the legal descriptions in paragraph (a)(1) of this section, constitute critical habitat for *Dryopteris crinalis* var. *podosorus* on Kauai. Within these units, the primary constituent elements of critical habitat are:

(i) Elevation: 3,000 to 5,243 ft (914 to 1,598 m).

(ii) Annual precipitation: Greater than 75 inches (190 centimeters).

(iii) Substrate: Well-developed soils, montane bogs.

(iv) Canopy: *Acacia*, *Charpentiera*, *Cheirodendron*, *Metrosideros*.

(v) Subcanopy: *Broussaisia*, *Cibotium*, *Eurya*, *Ilex*, *Myrsine*.

(vi) Understory: Ferns, *Carex*, *Coprosma*, *Leptecophylla*, *Oreobolus*, *Rhynchospora*, *Vaccinium*.

FAMILY GRAMMITIDACEAE: ***Adenophorus periens*** (PENDENT KIHI FERN)

Kauai 4—*Adenophorus periens*—a, Kauai 10—*Adenophorus periens*—b, Kauai 11—*Adenophorus periens*—c, and Kauai 11—*Adenophorus periens*—d, identified in the legal descriptions in paragraph (a)(1) of this section, constitute critical habitat for *Adenophorus periens* on Kauai. Within these units, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

(i) On *Metrosideros polymorpha* trunks, in riparian banks of stream systems in well-developed, closed canopy that provides deep shade or high humidity in *Metrosideros polymorpha-Cibotium glaucum* lowland wet forests, open *Metrosideros polymorpha* montane wet forest, or *Metrosideros polymorpha-Dicranopteris linearis* lowland wet forest and containing one or more of the following native plant species: *Antidesma platyphyllum*, *Athyrium sandwichianum*, *Broussaisia arguta*, *Cheirodendron trigynum*, *Cyanea* spp., *Cyrtandra* spp., *Dicranopteris linearis*, *Freycinetia arborea*, *Hedyotis terminalis*, *Labordia hirtella*, *Machaerina angustifolia*, *Psychotria* spp., *Syzygium sandwicensis*, or *Tetraplasandra oahuensis;* and

(ii) Elevations between 169 and 1,345 m (553 and 4,411 ft).

FAMILY LYCOPODIACEAE: ***Phlegmariurus nutans*** (WAWAEIOLE)

Kauai 10—*Phlegmariurus nutans*—a, identified in the legal description in paragraph (a)(1) of this section, constitutes critical habitat for *Phlegmariurus nutans* on Kauai. Within this unit, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

(i) Tree trunks, usually on open ridges and slopes in *Metrosideros polymorpha-Dicranopteris linearis* wet or mesic forests and containing one or more of the following associated native plant species: *Antidesma platyphyllum*, *Broussaisia arguta*, *Cheirodendron fauriei*, *Cibotium* spp., *Diplopterygium pinnatum*, *Hedyotis terminalis*, *Hibiscus kokio ssp. kokio*, *Melicope waialealae*, *Perrottetia sandwicensis*, *Psychotria hexandra*, *Psychotria mariniana*, *Psychotria wawrae*, *Scaevola gaudichaudii*, or *Syzygium sandwicensis;* and

(ii) Elevations between 615 and 1,591 m (2,016 and 5,217 ft).

FAMILY PTERIDACEAE: ***Doryopteris angelica*** (NCN)

Kauai 7–*Doryopteris angelica*–a and Kauai 11–*Doryopteris angelica*–b, identified in the legal descriptions in paragraph (a)(1) of this section, constitute critical habitat for *Doryopteris angelica*

on Kauai. Within these units, the primary constituent elements of critical habitat are:

(i) Elevation: Less than 3,000 ft (914 m).

(ii) Annual precipitation: 50 to 75 inches (127 to 190 centimeters).

(iii) Substrate: Shallow soils, little to no herbaceous layer.

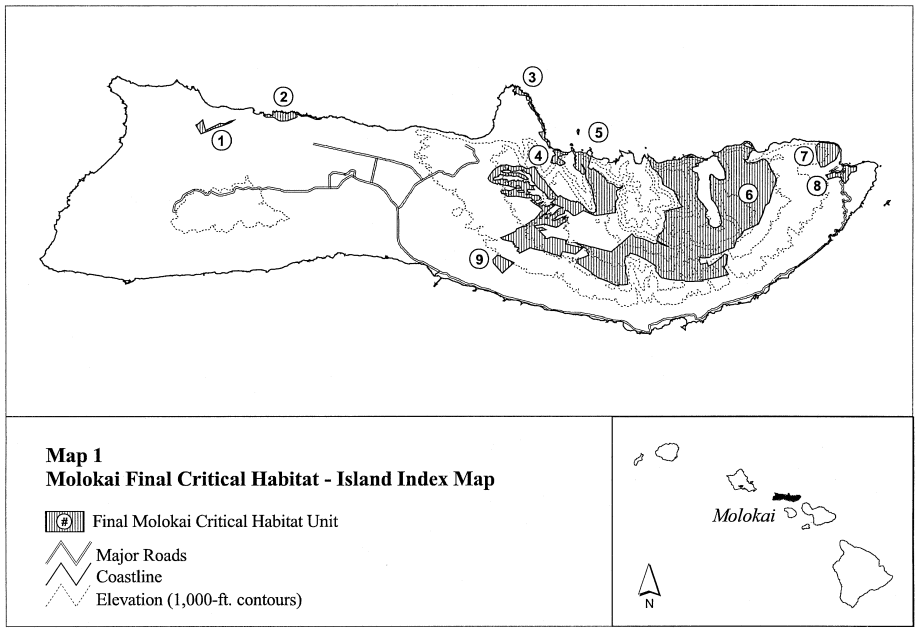
(iv) Canopy: *Acacia*, *Diospyros*, *Metrosideros*, *Myrsine*, *Pouteria*, *Santalum*.

(v) Subcanopy: *Dodonaea*, *Freycinetia*, *Leptecophylla*, *Melanthera*, *Osteomeles*, *Pleomele*, *Psydrax*.

(vi) Understory: *Carex*, *Dicranopteris*, *Diplazium*, *Elaphoglossum*, *Peperomia*.

(c) *Maps and critical habitat unit descriptions for the island of Molokai, HI.* The following paragraphs contain the legal descriptions of the critical habitat units designated for the island of Molokai, HI. Existing manmade features and structures within the critical habitat units, such as buildings; roads; aqueducts and other watersystem features, including but not limited to reservoirs, diversions, flumes, pumping stations, irrigation ditches, pipelines, siphons, tunnels, water tanks, gaging stations, intakes, and wells; telecommunications equipment towers and associated structures, electrical power transmission lines and distribution and regularly maintained associated rights-of-way and access ways; radars and telemetry antennas; missile launch sites; campgrounds; existing trails; arboreta and gardens, heiau (indigenous places of worship or shrines) and other archaeological sites; airports; other paved areas; lawns and other rural residential landscaped areas do not contain the primary constituent elements described for each species in paragraph (d) of this section and therefore are not included in the critical habitat designations. Coordinates are in UTM Zone 4 with units in meters using North American Datum of 1983 (NAD83). The following map shows the general locations of the 88 critical habitat units designated on the island of Molokai.

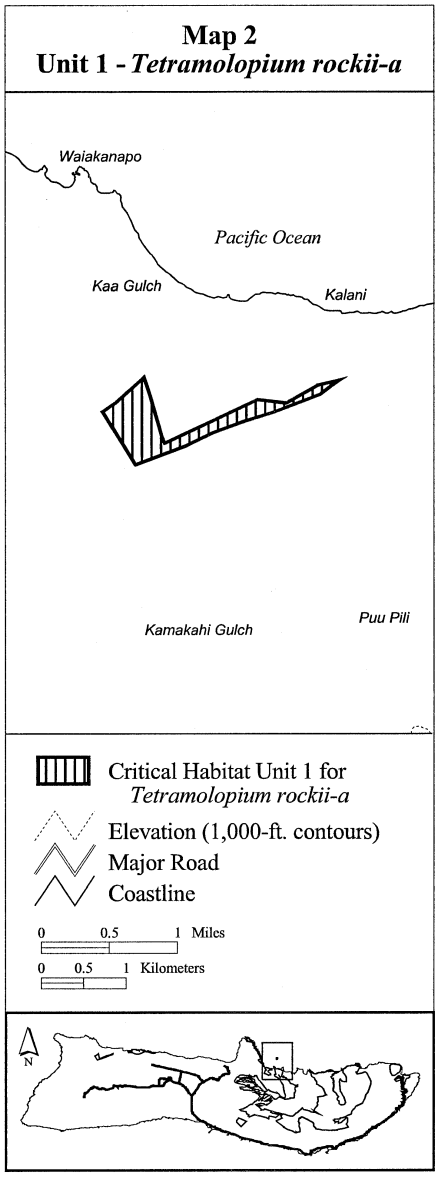
(1) NOTE: Map 1–Index map follows:



(2) Molokai 1—*Tetramolopium rockii*—a (68 ha; 167 ac)

(i) Unit consists of the following 18 boundary points: Start at 689772, 2344661; 689621, 2344539; 689052, 2344319; 688718, 2344221; 688327, 2344075; 688023, 2343926; 687408, 2343701; 687025, 2344327; 687025, 2344327; 687188, 2344441; 687513, 2344733; 687571, 2344549; 687727, 2344013; 687757, 2343953; 688857, 2344469; 689205, 2344430; 689575, 2344638; 689833, 2344699; return to starting point.

(ii) NOTE: Map 2 follows:

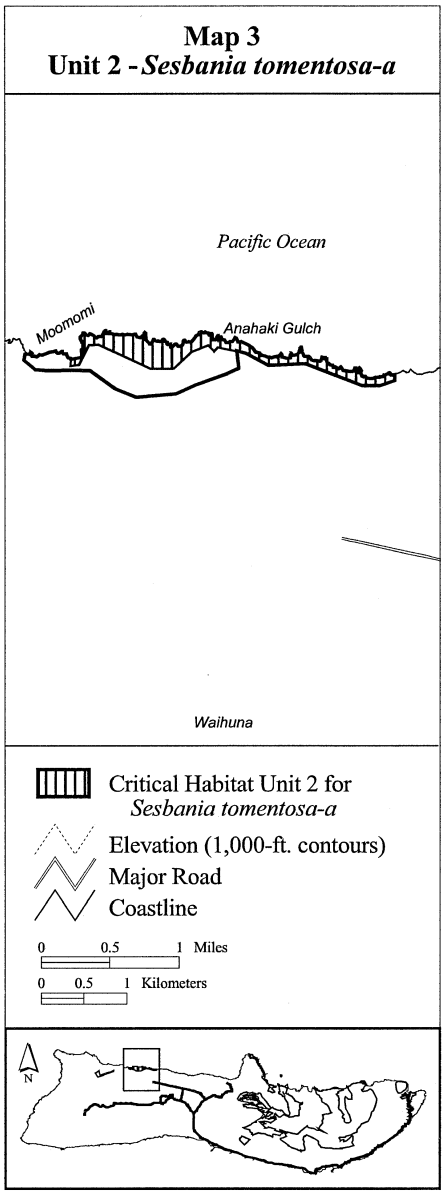


(3) Molokai 2—*Sesbania tomentosa*—a (58 ha; 143 ac)

(i) Unit consists of the following 16 boundary points and the intermediate coastline: Start at 696391, 2344805; 696219, 2344744; 696015, 2344744; 6953, 2345000; 694917, 2344983; 694654, 2345127;

694330, 2345195; 694288, 2345144; 694220, 2345221; 694024, 2345136; 693811, 2344940; 693548, 2344940; 692944, 2345229; 692833, 2345221; 692714, 2344991; 692614, 2344974; follow coastline and return to starting point.

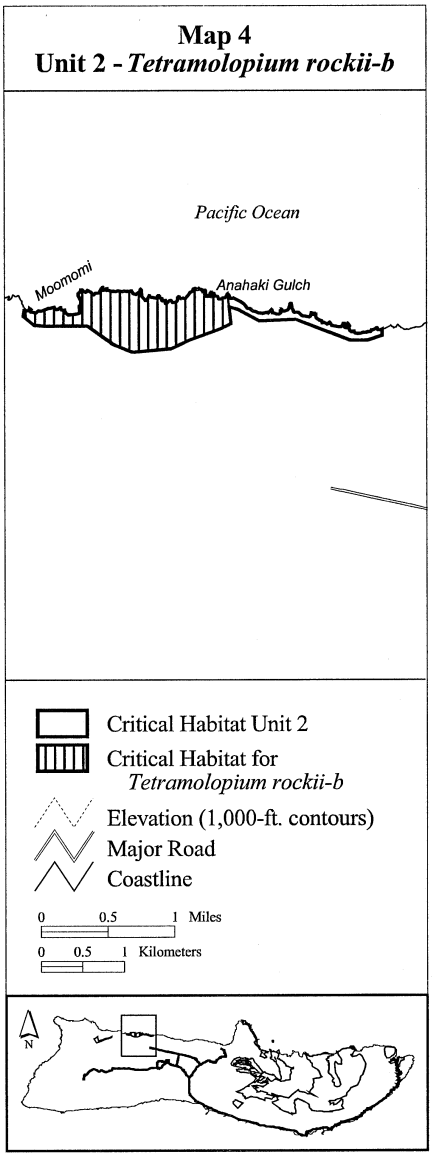
(ii) NOTE: Map 3 follows:



(4) Molokai 2—*Tetramolopium rockii*—b (112 ha; 278 ac)

(i) Unit consists of the following 13 boundary points and the intermediate coastline: Start at 694570, 2344946; 694440, 2344889; 694073, 2344750; 693846, 2344653; 693382, 2344612; 693146, 2344702; 692844, 2344921; 692641, 2344929; 692389, 2344922; 692389, 2344921; 692356, 2344921; 692201, 2344938; 692071, 2345043; follow coastline and return to starting point.

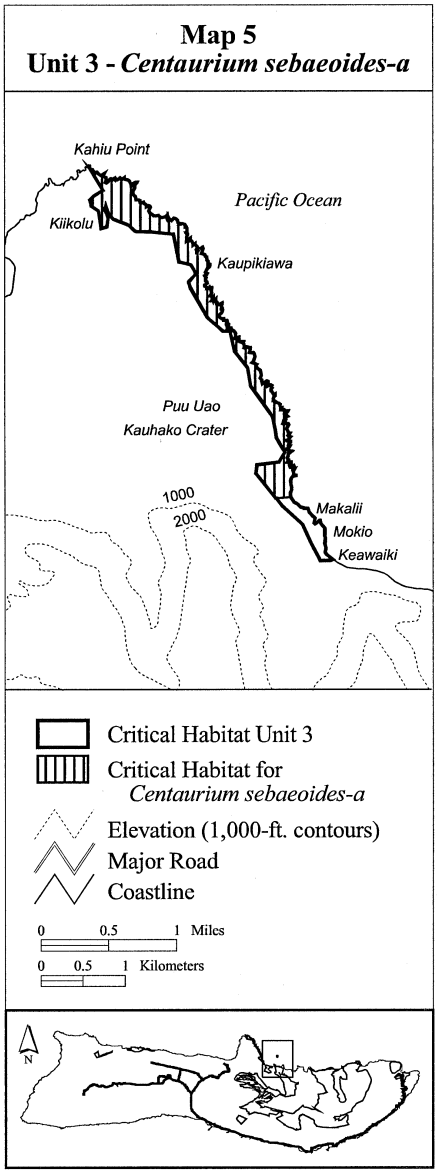
(ii) NOTE: Map 4 follows:



(5) Molokai 3—*Centaurium sebaeoides*—a (96 ha; 238 ac)

(i) Unit consists of the following 38 boundary points and the intermediate coastline: Start at 710676, 2347273; 712999, 2343399; 712824, 2343386; 712590, 2343678; 712603, 2343781; 712863, 2343820; 712941, 2343944; 712837, 2344106; 712792, 2344340; 712668, 2344541; 712526, 2344729; 712493, 2344936; 712337, 2345131; 712279, 2345365; 712214, 2345371; 712035, 2345519; 711799, 2345942; 711883, 2346053; 711827, 2346164; 711683, 2346195; 711618, 2346528; 711159, 2346569; 711092, 2346637; 710917, 2346701; 710858, 2346756; 710816, 2346864; 710811, 2346802; 710845, 2346718; 710832, 2346611; 710768, 2346591; 710734, 2346806; 710652, 2346855; 710629, 2346935; 710676, 2346982; 710788, 2347050; 710636, 2347297; 710642, 2347291; 710661, 2347288; follow coastline and return to starting point.

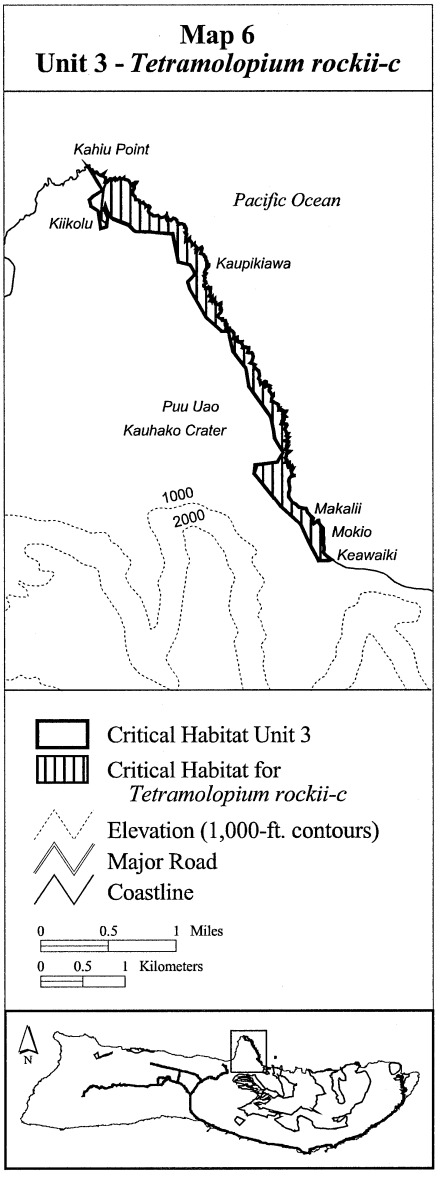
(ii) NOTE: Map 5 follows:



(6) Molokai 3—*Tetramolopium rockii*—c (106 ha; 260 ac)

(i) Unit consists of the following 34 boundary points and the intermediate coastline: Start at 713501, 2342654; 713473, 2342635; 713351, 2342635; 713245, 2342841; 713138, 2343077; 712902, 2343290; 712773, 2343465; 712591, 2343679; 712625, 2343781; 712863, 2343814; 712934, 2343924; 712831, 2344099; 712805, 2344327; 712526, 2344716; 712500, 2344936; 712337, 2345131; 712279, 2345365; 712208, 2345371; 712019, 2345540; 711819, 2345873; 711799, 2345962; 711883, 2346040; 711838, 2346156; 711689, 2346202; 711624, 2346539; 711169, 2346559; 711098, 2346649; 710890, 2346727; 710817, 2346864; 710810, 2346810; 710849, 2346706; 710832, 2346656; 710759, 2346712; 710802, 2347065; follow coastline and return to starting point.

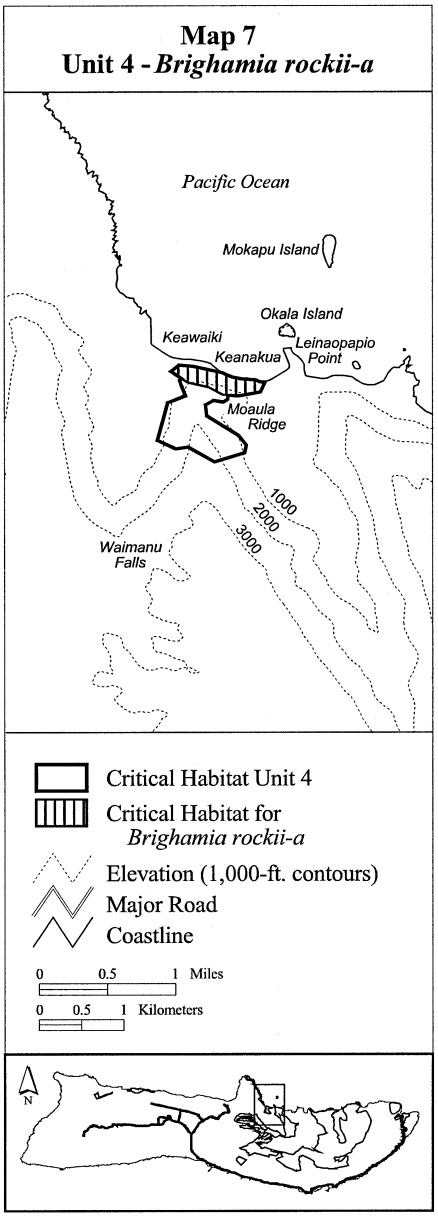
(ii) NOTE: Map 6 follows:



(7) Molokai 4—*Brighamia rockii*—a (20 ha; 51 ac)

(i) Unit consists of the following 9 boundary points and the intermediate coastline: Start at 714246, 2342381; 714703, 2342153; 714446, 2342101; 714255, 2342116; 714094, 2342204; 713837, 2342263; 713646, 2342395; 713740, 2342469; 713902, 2342456; follow coastline and return to starting point.

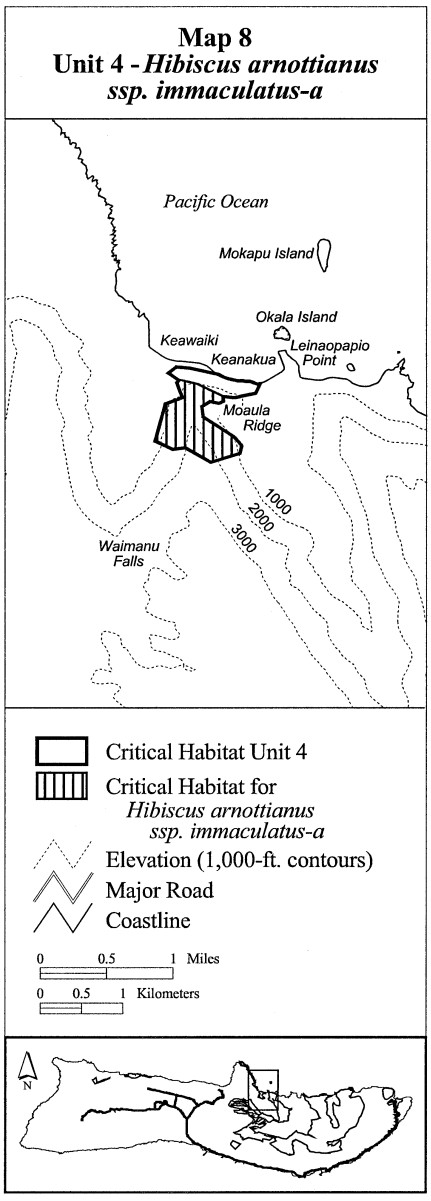
(ii) NOTE: Map 7 follows:



(8) Molokai 4—*Hibiscus arnottianus* ssp. *immaculatus*—a (56 ha; 139 ac)

(i) Unit consists of the following 20 boundary points: Start at 714313, 2342111; 714313, 2342061; 714263, 2342030; 714146, 2342049; 714053, 2341993; 714065, 2341869; 714443, 2341627; 714530, 2341522; 714511, 2341429; 714158, 2341318; 713848, 2341497; 713697, 2341473; 713483, 2341578; 713601, 2342024; 713813, 2342101; 713769, 2342222; 713769, 2342222; 713743, 2342284; 713786, 2342315; 713991, 2342266; return to starting point.

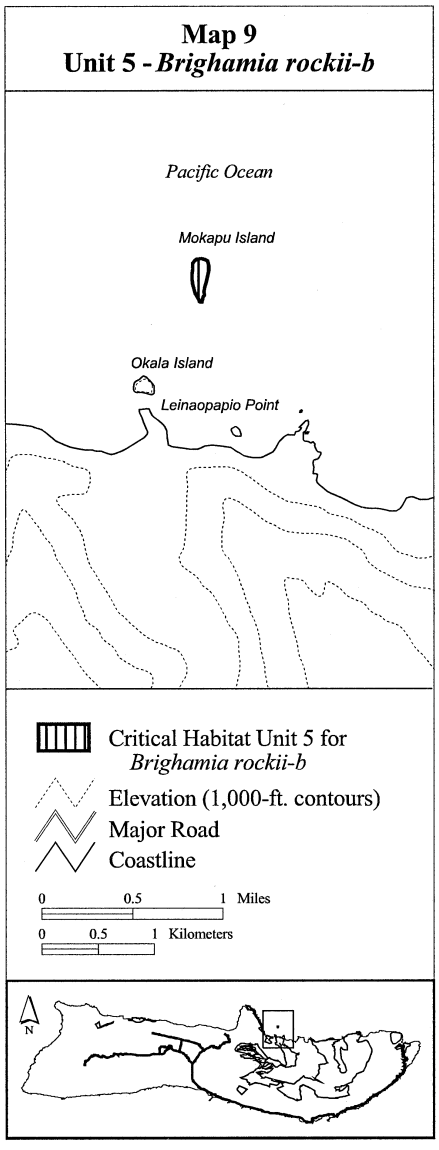
(ii) NOTE: Map 8 follows:



(9) Molokai 5—*Brighamia rockii*—b (4 ha; 10 ac)

(i) Area consists of the entire offshore island located at approximately: 715517, 2343847.

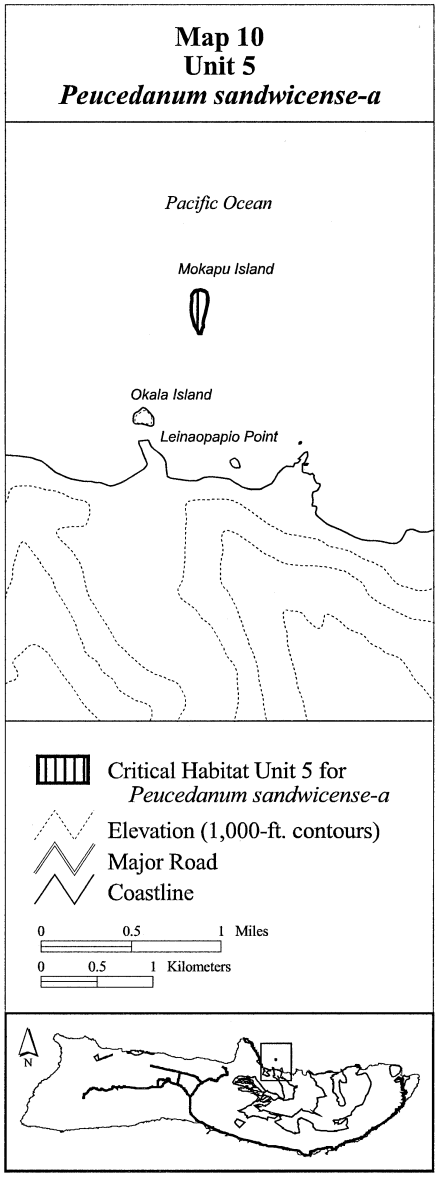
(ii) NOTE: Map 9 follows:



(10) Molokai 5—*Peucedanum sandwicense*—a (4 ha; 10 ac)

(i) Area consists of the entire offshore island located at approximately: 715517, 2343847.

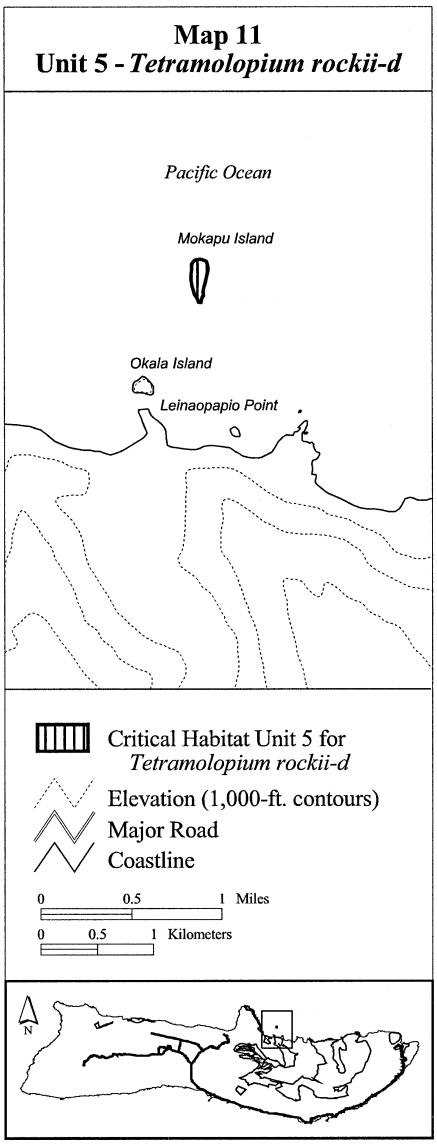
(ii) NOTE: Map 10 follows:



(11) Molokai 5—*Tetramolopium rockii*—d (4 ha; 10 ac)

(i) Area consists of the entire offshore island located at approximately: 715517, 2343847.

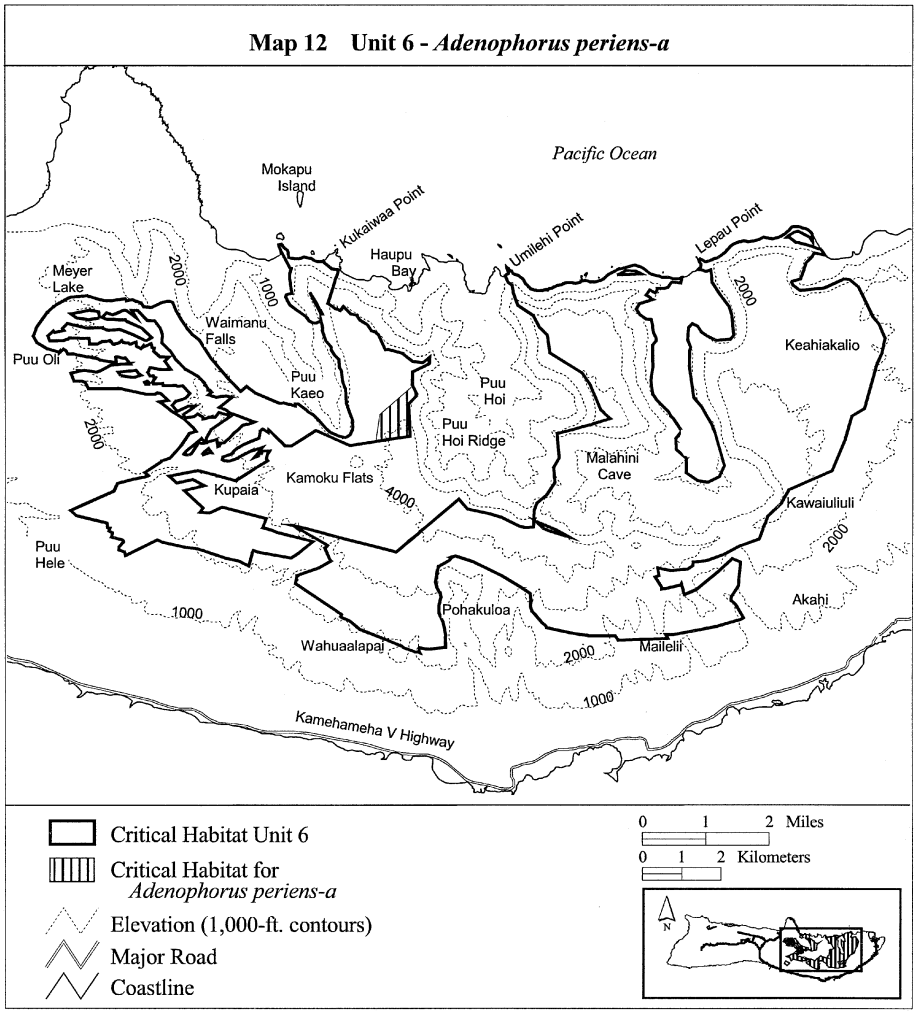
(ii) NOTE: Map 11 follows:



(12) Molokai 6—*Adenophorus periens*—a (79 ha; 194 ac)

(i) Unit consists of the following 6 boundary points: Start at 718366, 2339098; 718483, 2338864; 718272, 2338643; 718311, 2337817; 717446, 2337682; 717549, 2338376; return to starting point.

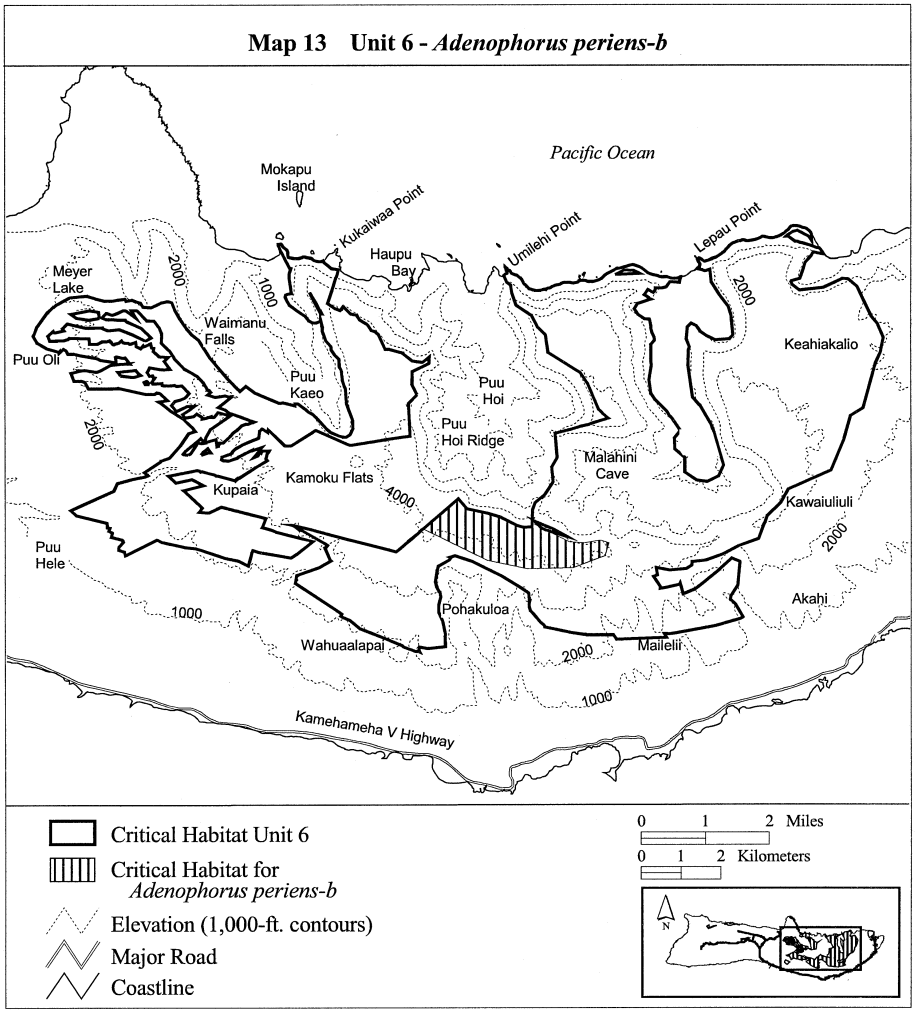
(ii) NOTE: Map 12 follows:



(13) Molokai 6—*Adenophorus periens*—b (396 ha; 980 ac)

(i) Unit consists of the following 19 boundary points: Start at 721394, 2335607; 722329, 2335129; 722733, 2335104; 723117, 2335165; 723342, 2335105; 723236, 2334774; 723034, 2334703; 722442, 2334466; 721281, 2334442; 720262, 2334655; 718639, 2335464; 719529, 2336227; 719749, 2335976; 720611, 2335749; 721062, 2335514; 721066, 2335513; 721206, 2335488; 721387, 2335499; 721388, 2335510; return to starting point.

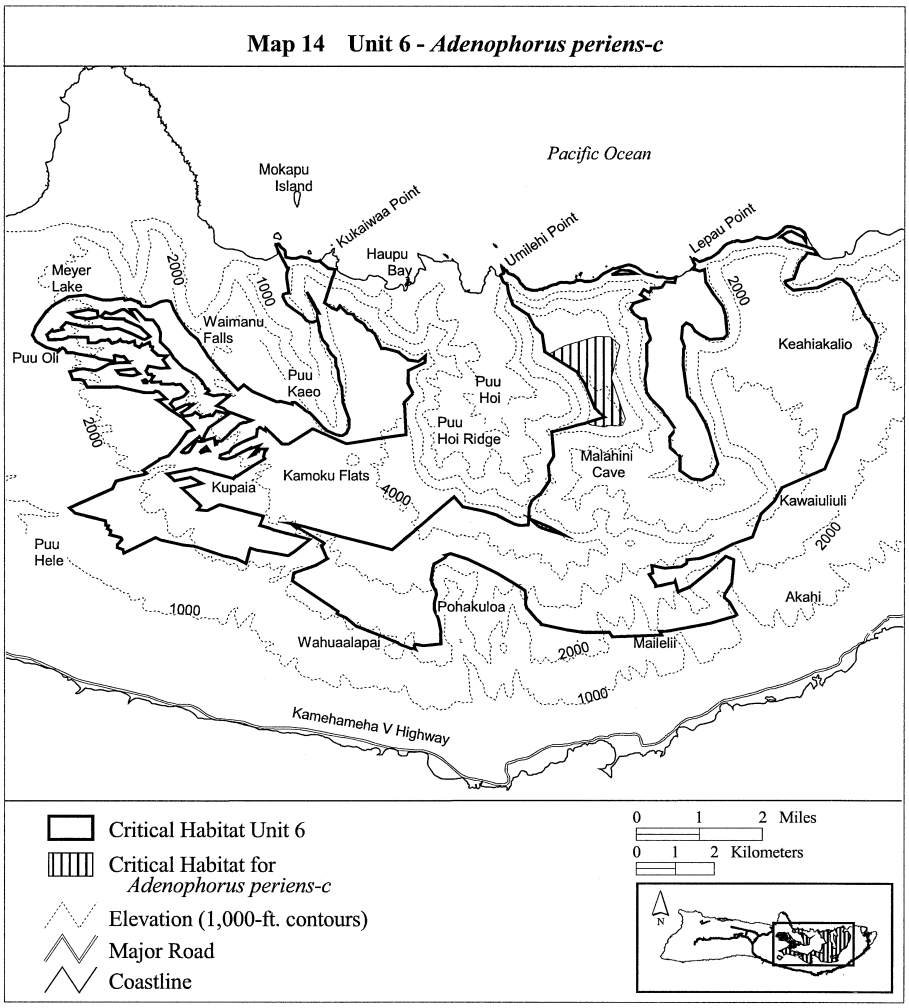
(ii) NOTE: Map 13 follows:



(14) Molokai 6—*Adenophorus periens*—c (214 ha; 530 ac)

(i) Unit consists of the following 20 boundary points: Start at 723720, 2340102; 723501, 2339267; 723764, 2338476; 723865, 2338213; 723777, 2338050; 723639, 2338043; 723426, 2338056; 723331, 2338018; 722967, 2338062; 722873, 2338122; 723352, 2338246; 723352, 2338246; 723351, 2338247; 723088, 2338481; 722803, 2339144; 722612, 2339432; 721900, 2339870; 722315, 2340090; 723124, 2340328; 723469, 2340315; return to starting point.

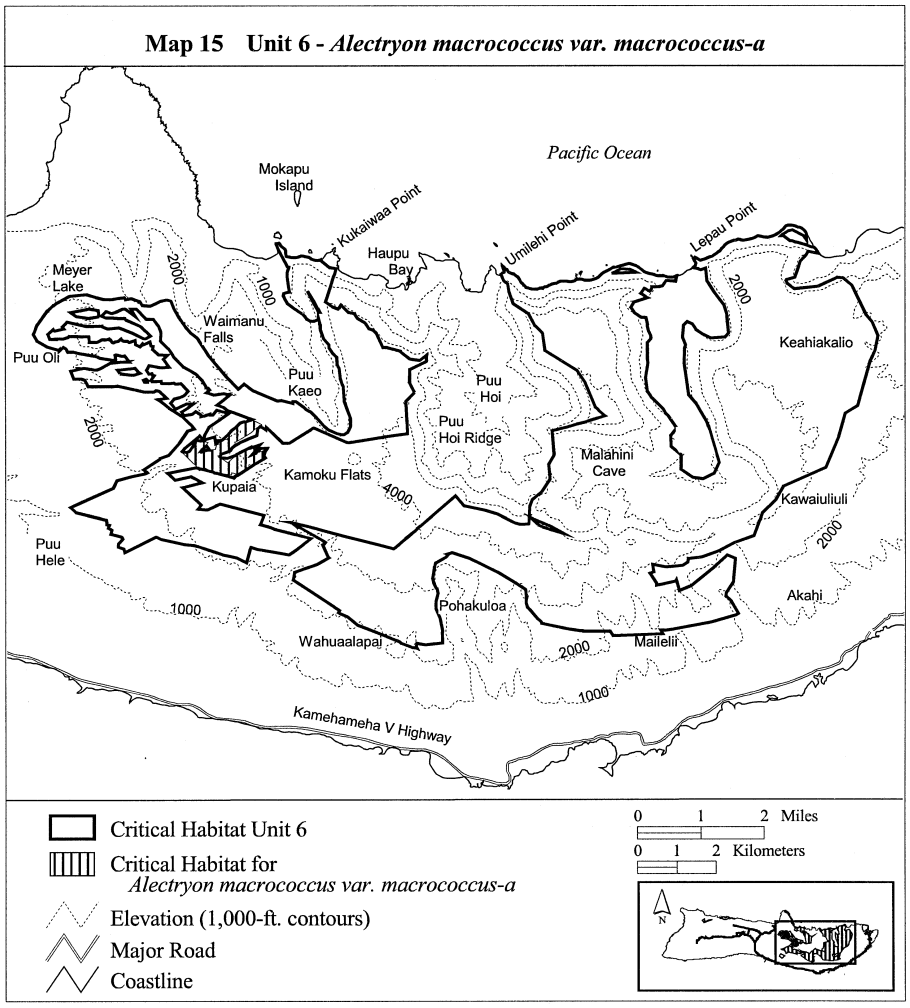
(ii) NOTE: Map 14 follows:



(15) Molokai 6—*Alectryon macrococcus*—a (125 ha; 309 ac)

(i) Unit consists of the following 38 boundary points: Start at 712844, 2337089; 712698, 2337229; 712592, 2337339; 712695, 2337321; 712881, 2337456; 712940, 2337659; 713244, 2337600; 712999, 2337330; 713210, 2337389; 713430, 2337414; 713497, 2337642; 713742, 2337668; 713818, 2337870; 714080, 2338090; 714258, 2338132; 714331, 2338177; 714454, 2338134; 714593, 2338051; 714604, 2338018; 714460, 2337955; 714325, 2337836; 713954, 2337608; 713818, 2337397; 713489, 2337254; 713742, 2337076; 713970, 2337296; 714283, 2337448; 714553, 2337532; 714359, 2337279; 714722, 2337423; 714604, 2337228; 714660, 2337178; 714025, 2336784; 713852, 2336821; 713844, 2336766; 713421, 2336814; 713160, 2336950; 713033, 2336916; return to starting point.

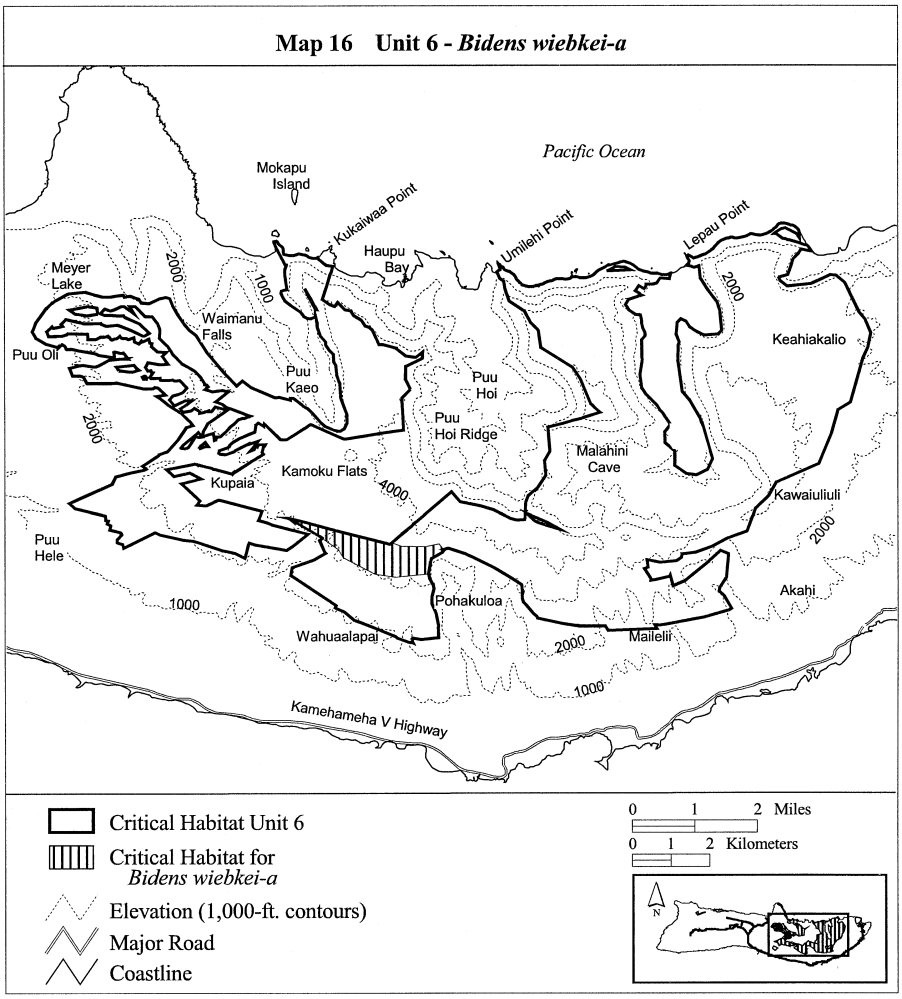
(ii) NOTE: Map 15 follows:



(16) Molokai 6—*Bidens wiebkei*—a (219 ha; 542 ac)

(i) Unit consists of the following 20 boundary points: Start at 718006, 2334920; 718258, 2334825; 718858, 2334816; 719204, 2334884; 719331, 2334723; 719289, 2334656; 719289, 2334656; 719020, 2334504; 719018, 2334503; 719018, 2334503; 719018, 2334503; 718994, 2334425; 718934, 2334106; 718097, 2334022; 717573, 2334098; 716744, 2334529; 716634, 2334732; 716135, 2335095; 715347, 2335551; 717956, 2334877; return to starting point.

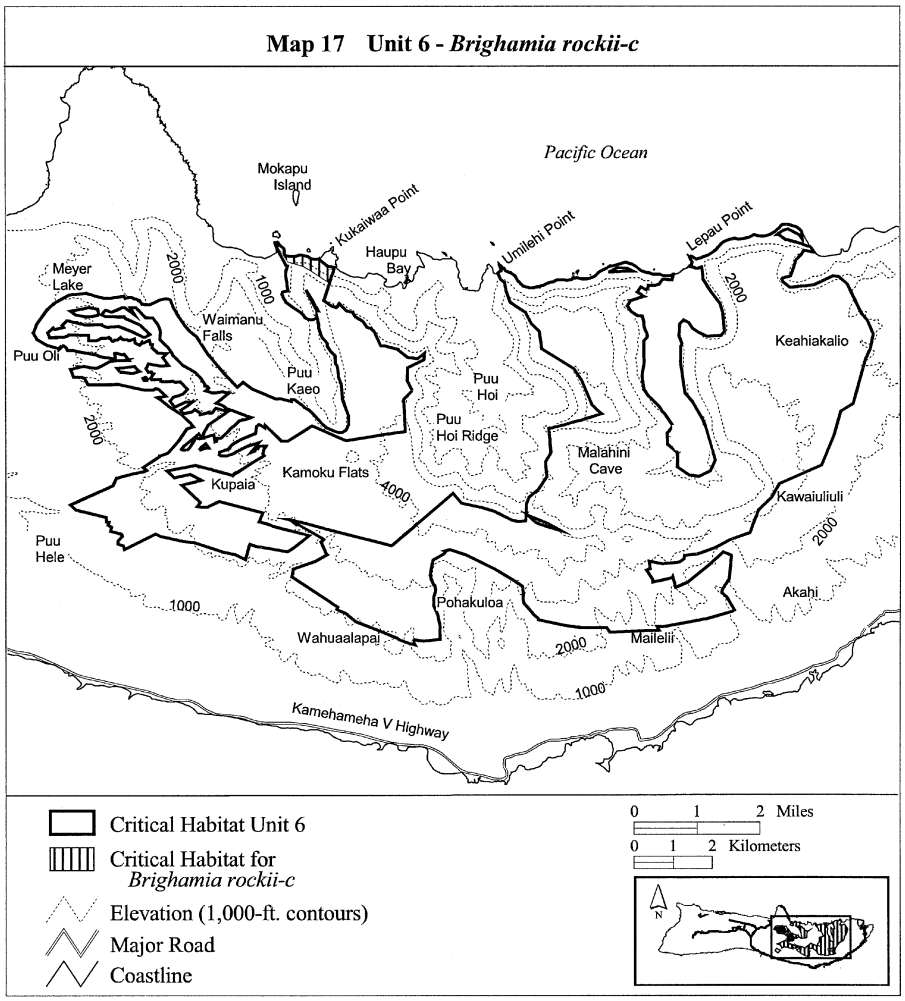
(ii) NOTE: Map 16 follows:



(17) Molokai 6—*Brighamia rockii*—c (38 ha; 95 ac)

(i) Unit consists of the following 9 boundary points and the intermediate coastline: Start at 716089, 2342247; 716263, 2342102; 716347, 2341969; 716482, 2341996; 716375, 2341657; 716328, 2341655; 715888, 2341942; 715686, 2342053; 715313, 2342170; follow coastline and return to starting point.

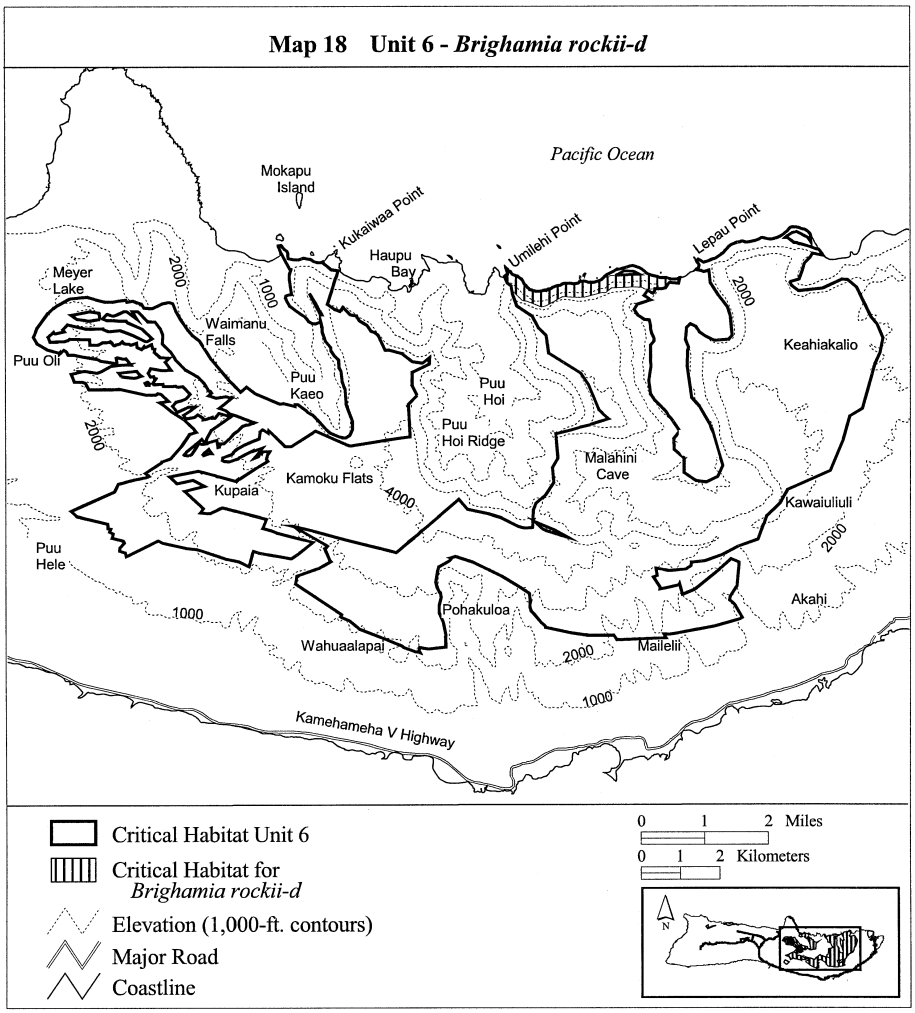
(ii) NOTE: Map 17 follows:



(18) Molokai 6—*Brighamia rockii*—d (145 ha; 358 ac)

(i) Unit consists of the following 35 boundary points and the intermediate coastline: Start at 720770, 2341981; 723204, 2341840; 723220, 2341842; 723377, 2341891; 724326, 2341946; 724920, 2341803; 724885, 2341725; 724781, 2341588; 724671, 2341562; 724262, 2341549; 724190, 2341601; 723996, 2341614; 723405, 2341582; 723256, 2341465; 723139, 2341465; 722691, 2341348; 722509, 2341348; 722158, 2341374; 721756, 2341147; 721620, 2341102; 721256, 2341251; 721139, 2341270; 720872, 2341522; 720861, 2341600; 720856, 2341640; 720767, 2341699; 720682, 2341883; 720682, 2341883; 720682, 2341883; 720690, 2341897; 720716, 2341917; 720755, 2341929; 720769, 2341936; 720777, 2341952; 720777, 2341970; follow coastline and return to starting point.

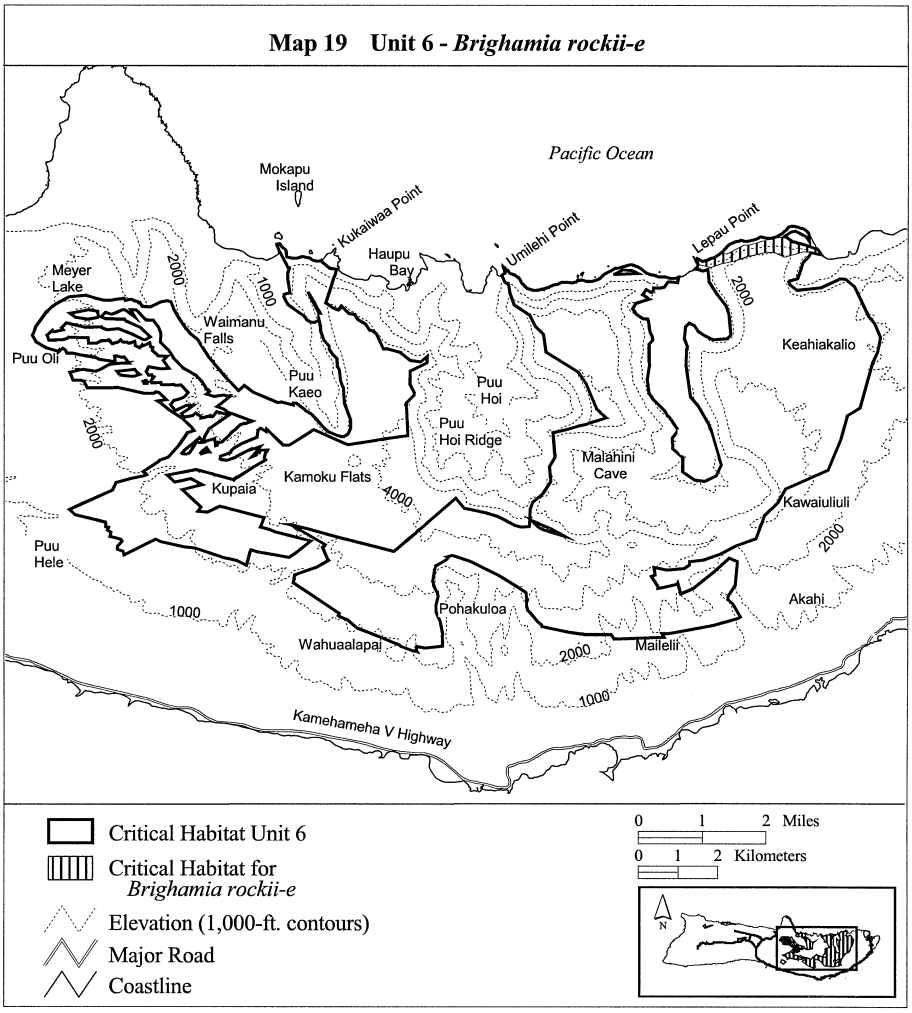
(ii) NOTE: Map 18 follows:



(19) Molokai 6—*Brighamia rockii*—e (83 ha; 206 ac)

(i) Unit consists of the following 24 boundary points and the intermediate coastline: Start at 726360, 2342420; 726777, 2342655; 726909, 2342655; 727223, 2342748; 727399, 2342787; 727757, 2342861; 727860, 2342856; 728070, 2342704; 728207, 2342694; 728394, 2342640; 728580, 2342567; 728635, 2342558; 728678, 2342429; 728305, 2342483; 727815, 2342351; 727571, 2342464; 727394, 2342478; 726860, 2342366; 726591, 2342258; 726194, 2342170; 725949, 2342077; 725660, 2342155; 725633, 2342168; 725632, 2342174; follow coastline and return to starting point.

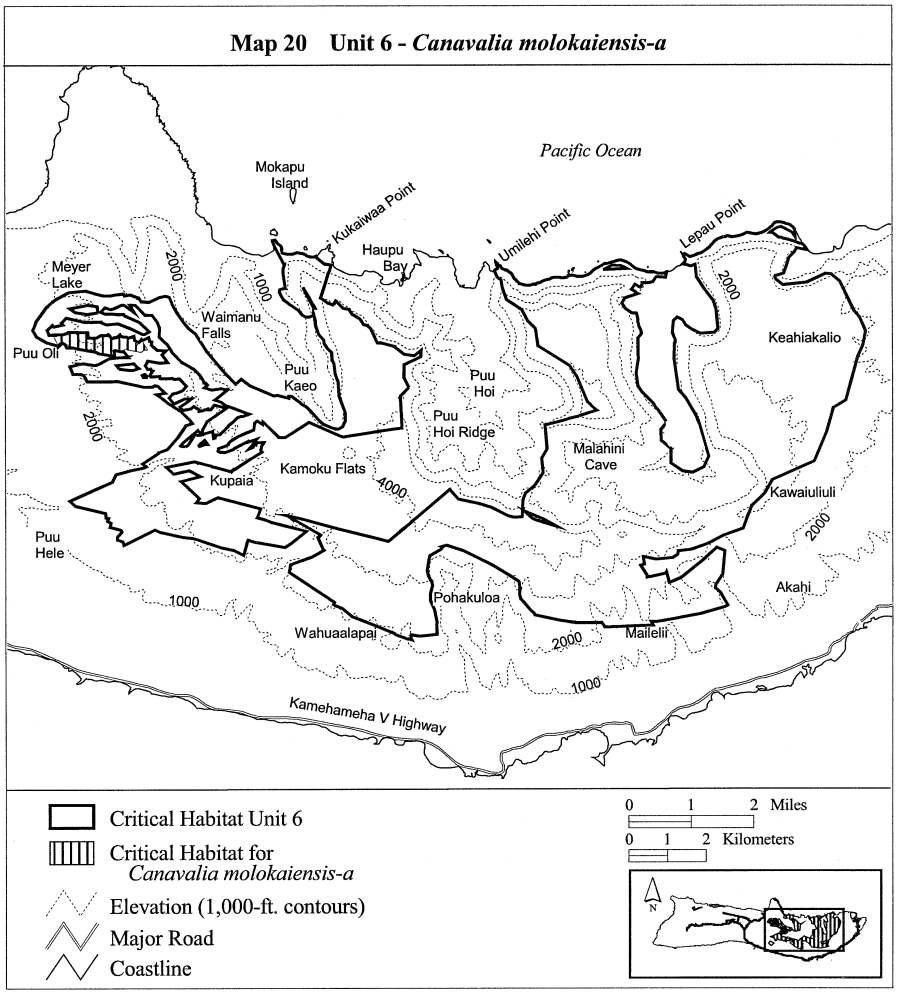
(ii) NOTE: Map 19 follows:



(20) Molokai 6—*Canavalia molokaiensis*—a (80 ha; 197 ac)

(i) Unit consists of the following 28 boundary points: Start at 711585, 2340110; 711750, 2339841; 711652, 2339833; 711589, 2339786; 711148, 2339857; 711062, 2339810; 710951, 2339857; 710881, 2339810; 710881, 2339715; 710487, 2339755; 710251, 2339841; 709913, 2339873; 709574, 2340038; 709469, 2339940; 709322, 2340226; 709637, 2340243; 709724, 2340298; 710220, 2340290; 710227, 2340156; 710338, 2340109; 710542, 2340211; 710778, 2340219; 710818, 2340125; 710936, 2340125; 711077, 2340188; 711376, 2340133; 711463, 2340038; 711455, 2339952; return to starting point.

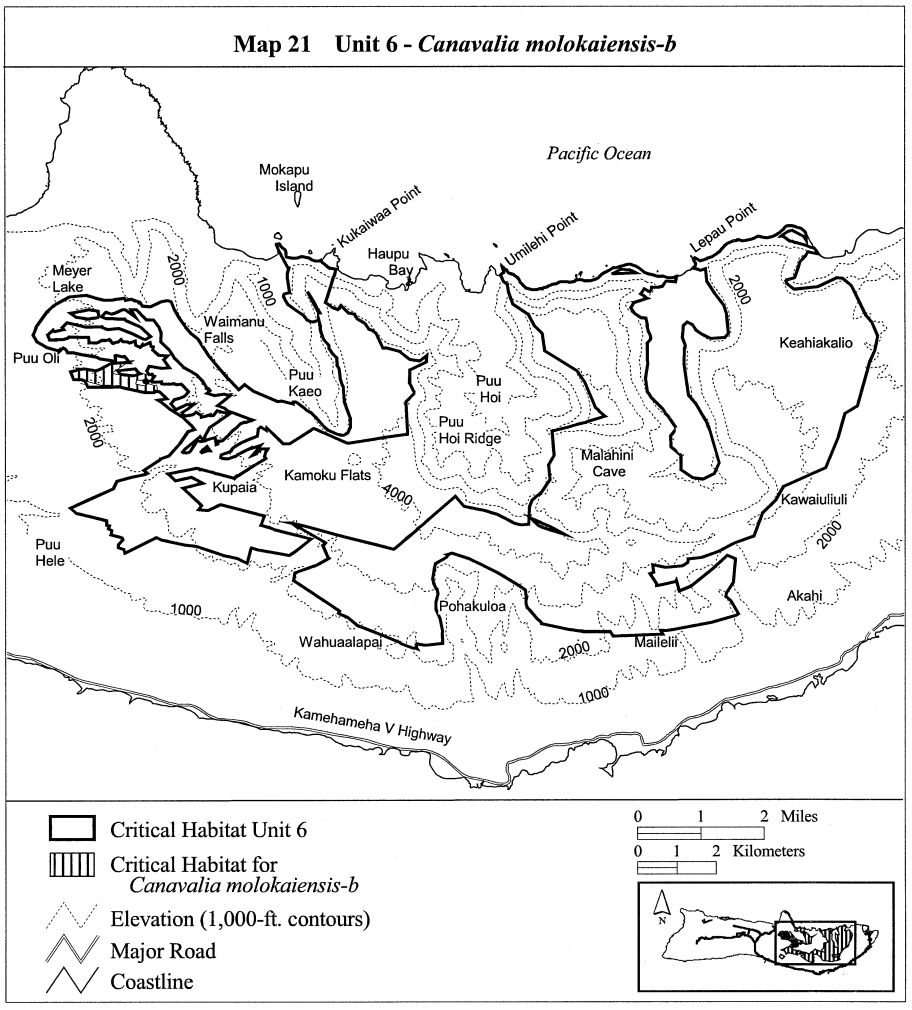
(ii) NOTE: Map 20 follows:



(21) Molokai 6—*Canavalia molokaiensis*—b (76 ha; 187 ac)

(i) Unit consists of the following 27 boundary points: Start at 711826, 2339337; 711860, 2339273; 711809, 2339212; 711431, 2339196; 711408, 2339109; 711589, 2339062; 711746, 2339109; 711880, 2339062; 711947, 2339066; 711971, 2338928; 711873, 2338886; 711654, 2338886; 710802, 2339069; 710534, 2339069; 710041, 2339210; 709997, 2339210; 709997, 2339210; 709837, 2339210; 709751, 2339417; 710102, 2339495; 710424, 2339432; 710763, 2339613; 711203, 2339660; 710794, 2339377; 711258, 2339283; 711573, 2339377; 711778, 2339330; return to starting point.

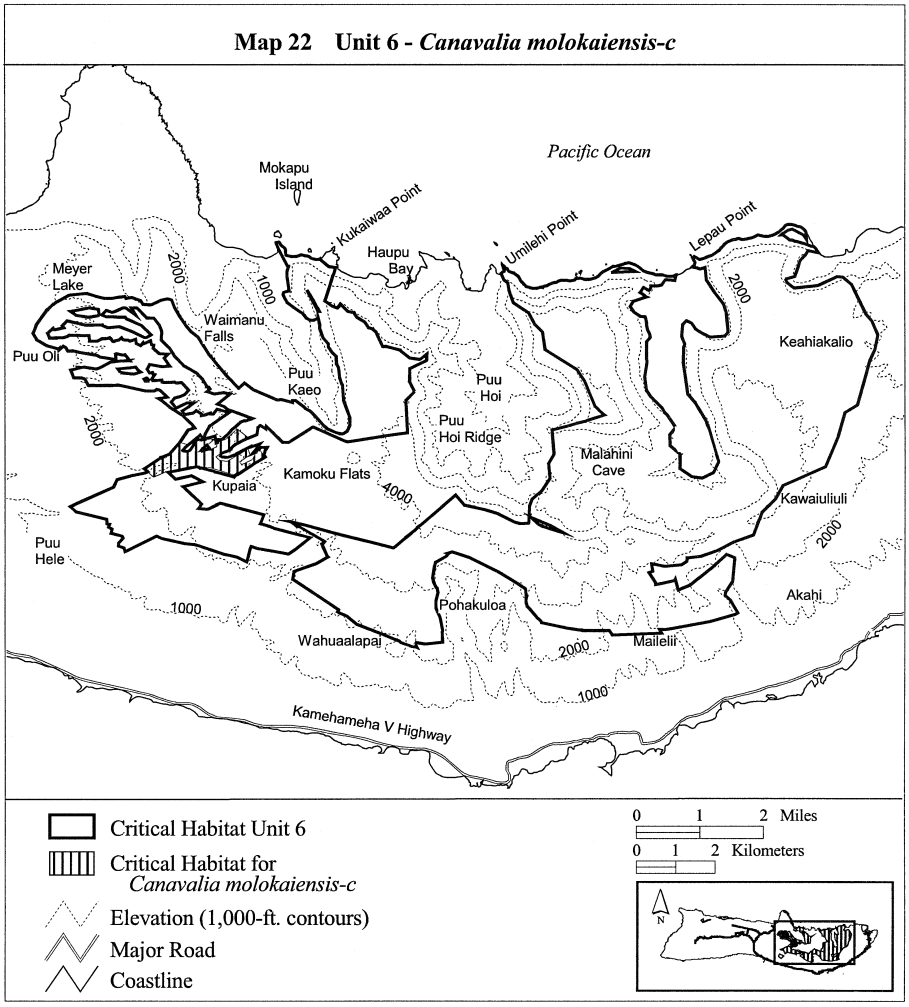
(ii) NOTE: Map 21 follows:



(22) Molokai 6—*Canavalia molokaiensis*—c (150 ha; 371 ac)

(i) Unit consists of the following 36 boundary points: Start at 711848, 2336679; 711615, 2336901; 712021, 2337169; 712152, 2337176; 712518, 2337570; 712704, 2337521; 712587, 2337356; 712746, 2337335; 712939, 2337632; 713415, 2337666; 712987, 2337335; 713236, 2337363; 713457, 2337452; 713477, 2337590; 713678, 2337653; 713919, 2337860; 713966, 2337927; 714259, 2337694; 713940, 2337542; 713781, 2337363; 713512, 2337266; 713443, 2337197; 713533, 2337114; 713719, 2337087; 713995, 2337252; 714250, 2337404; 714299, 2337252; 714043, 2337073; 714085, 2336997; 714354, 2337121; 714517, 2337419; 714705, 2337206; 713938, 2336730; 713284, 2336921; 712794, 2336955; 712139, 2336804; return to starting point.

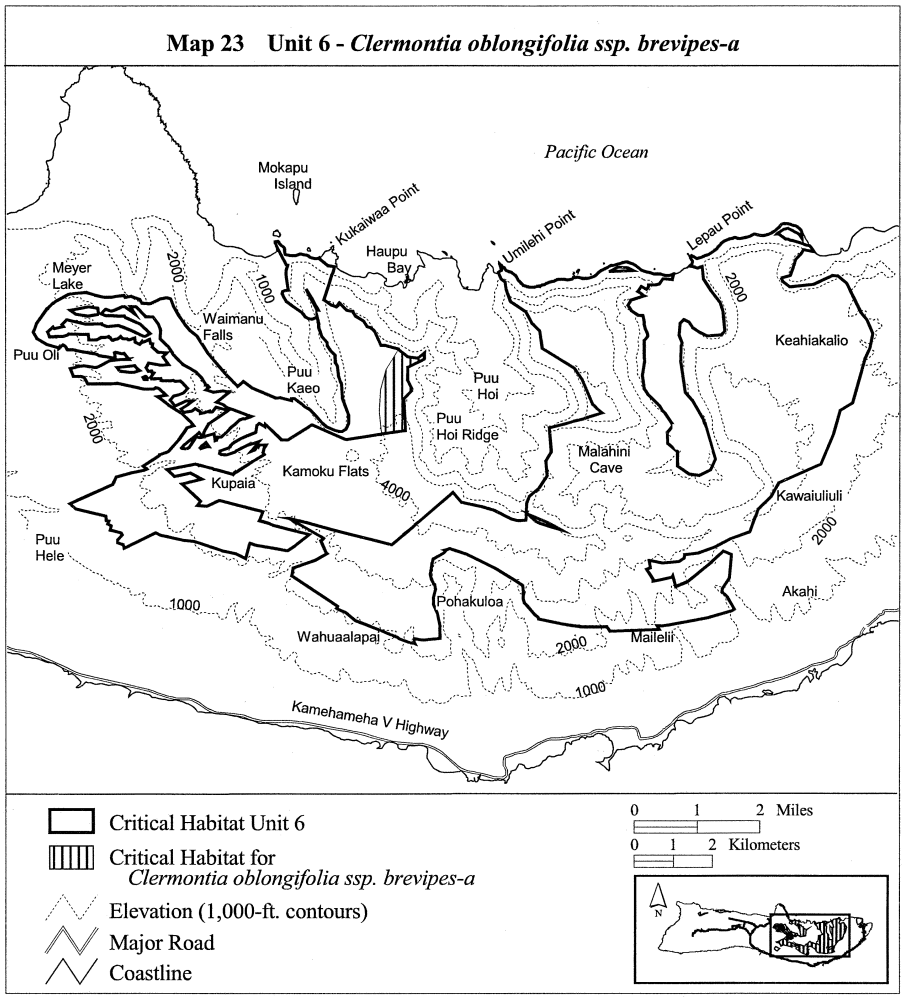
(ii) NOTE: Map 22 follows:



(23) Molokai 6—*Clermontia oblongifolia* ssp. *brevipes*—a (131 ha; 325 ac)

(i) Unit consists of the following 14 boundary points: Start at 717701, 2337728; 717628, 2338298; 717674, 2338869; 717807, 2339393; 718126, 2339914; 718369, 2339712; 718630, 2339684; 718798, 2339820; 718794, 2339660; 718369, 2339448; 718361, 2339127; 718483, 2338864; 718272, 2338643; 718311, 2337817; return to starting point.

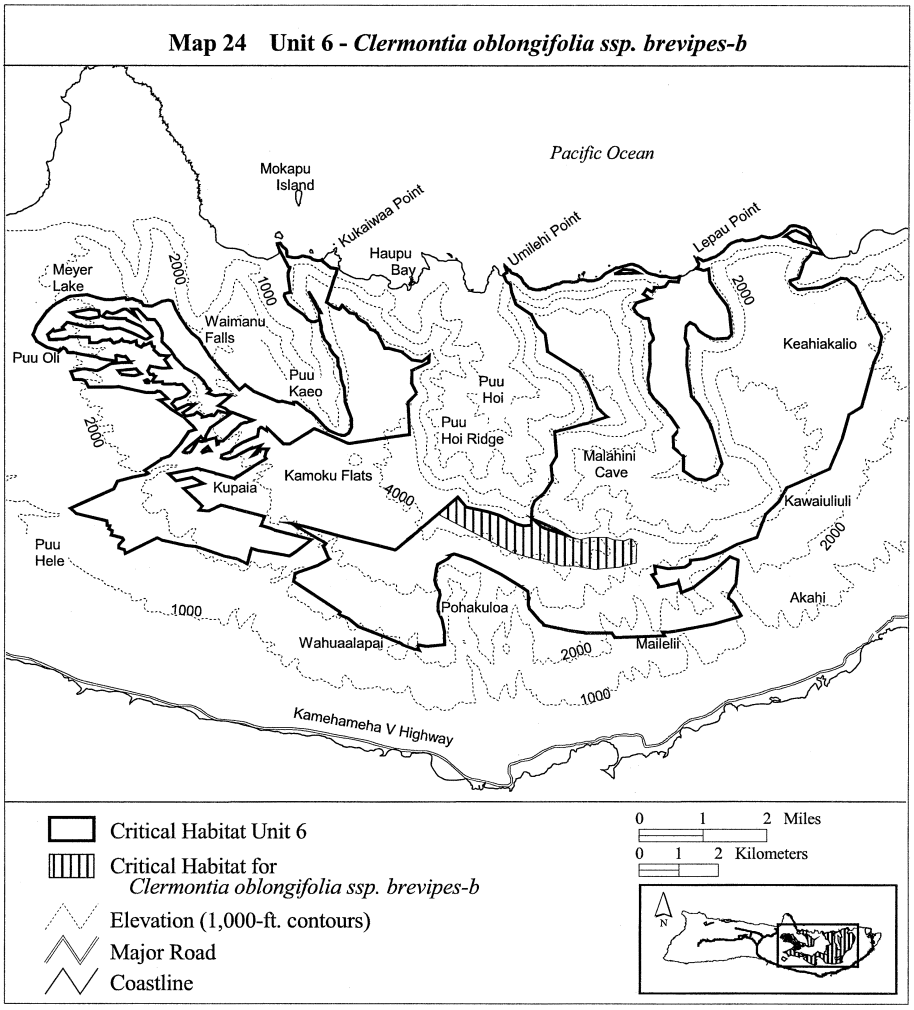
(ii) NOTE: Map 23 follows:



(24) Molokai 6—*Clermontia oblongifolia* ssp. *brevipes*—b (358 ha; 884 ac)

(i) Unit consists of the following 27 boundary points: Start at 721397, 2335692; 721668, 2335452; 721947, 2335359; 722644, 2335147; 722856, 2335193; 723314, 2335207; 723493, 2335140; 723765, 2335120; 723904, 2335173; 723977, 2335160; 724070, 2335007; 724063, 2334550; 723652, 2334443; 723002, 2334377; 722511, 2334470; 722166, 2334470; 720938, 2334795; 719017, 2335788; 719529, 2336227; 719749, 2335976; 720611, 2335749; 720920, 2335559; 721062, 2335514; 721066, 2335513; 721206, 2335488; 721388, 2335510; 721396, 2335678; return to starting point.

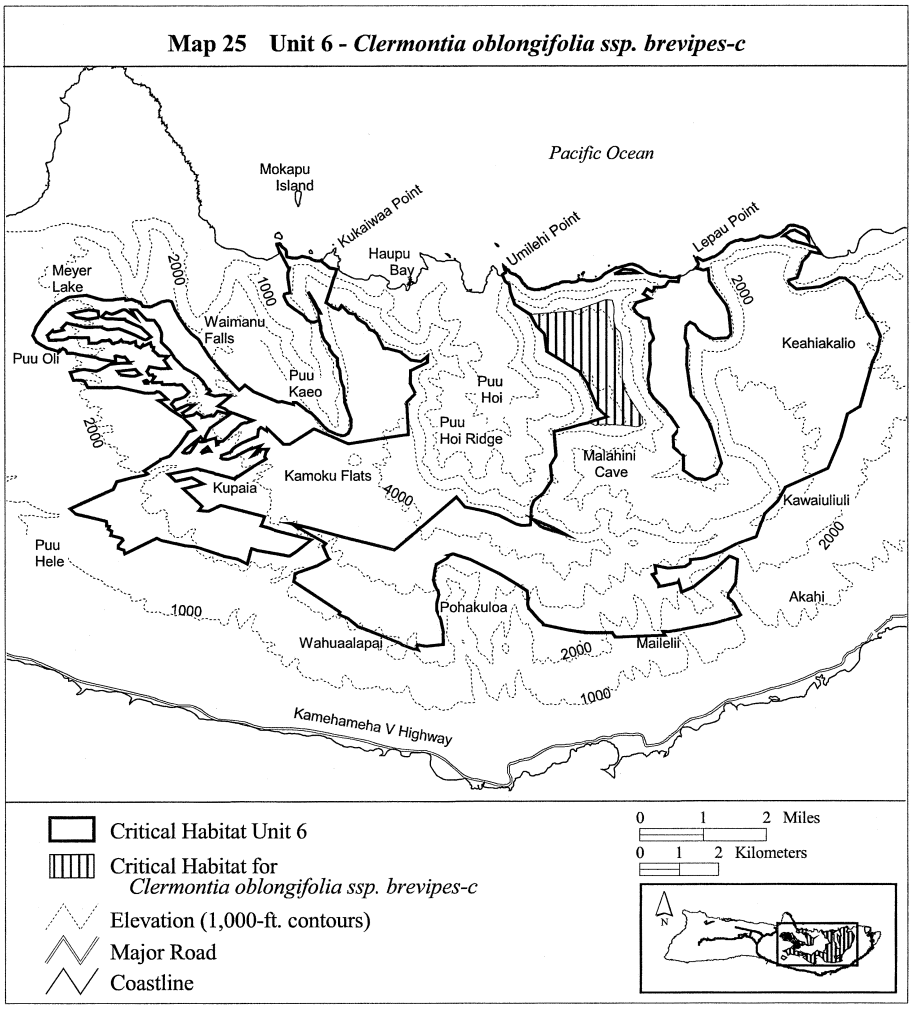
(ii) NOTE: Map 24 follows:



(25) Molokai 6—*Clermontia oblongifolia* ssp. *brevipes*—c (427 ha; 1,054 ac)

(i) Unit consists of the following 28 boundary points: Start at 722484, 2340959; 723300, 2341251; 723453, 2341231; 723499, 2341052; 723492, 2340727; 723539, 2340534; 723652, 2340415; 723711, 2340170; 723718, 2339871; 723711, 2339267; 723778, 2338922; 724196, 2338272; 724229, 2338099; 724149, 2338033; 724063, 2338006; 723844, 2338046; 723174, 2338080; 723028, 2338046; 722869, 2338119; 722868, 2338120; 723331, 2338266; 723088, 2338481; 722803, 2339144; 722612, 2339432; 721796, 2339934; 721731, 2340378; 721548, 2340570; 721380, 2340876; return to starting point.

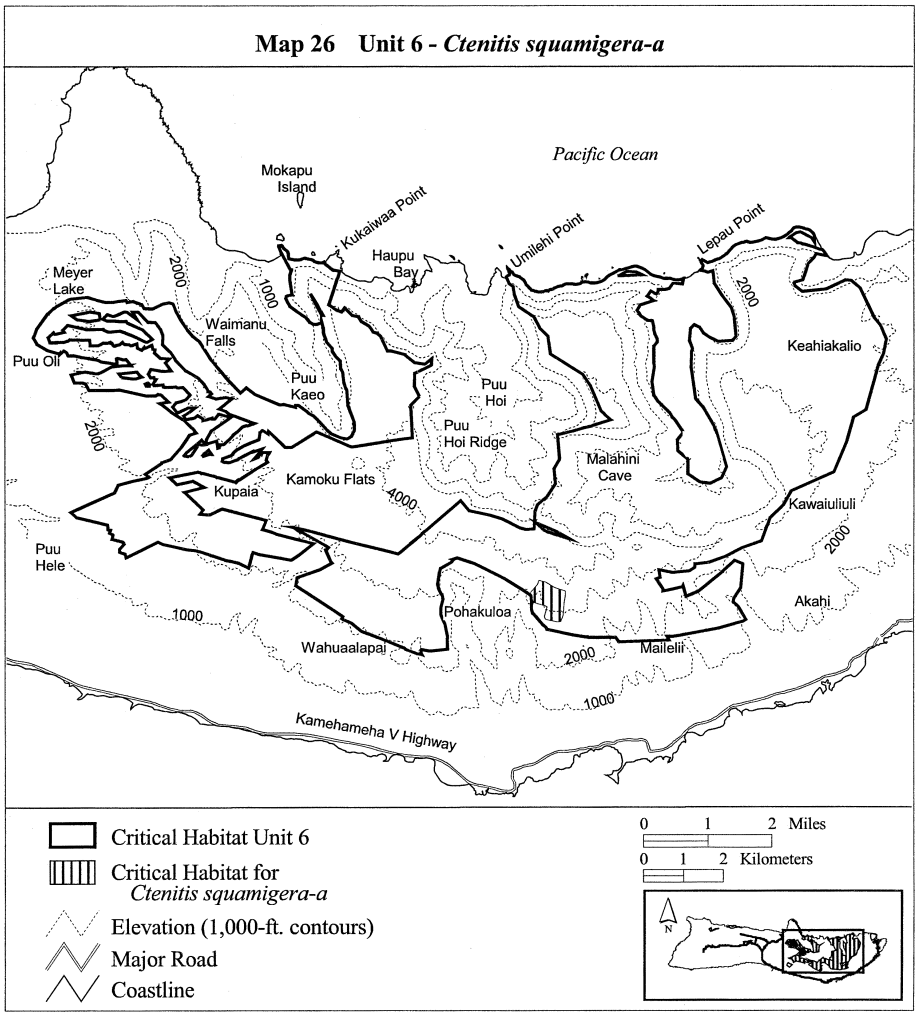
(ii) NOTE: Map 25 follows:



(26) Molokai 6—*Ctenitis squamigera*—a (58 ha; 144 ac)

(i) Unit consists of the following 21 boundary points: Start at 721326, 2333655; 721317, 2333769; 721287, 2333895; 721466, 2334108; 721505, 2334200; 721670, 2334169; 721897, 2334030; 722041, 2333969; 722176, 2333943; 722167, 2333799; 722145, 2333638; 722128, 2333429; 722119, 2333298; 722054, 2333159; 721988, 2333146; 721692, 2333207; 721666, 2333237; 721644, 2333298; 721697, 2333464; 721714, 2333525; 721679, 2333560; return to starting point.

(ii) NOTE: Map 26 follows:

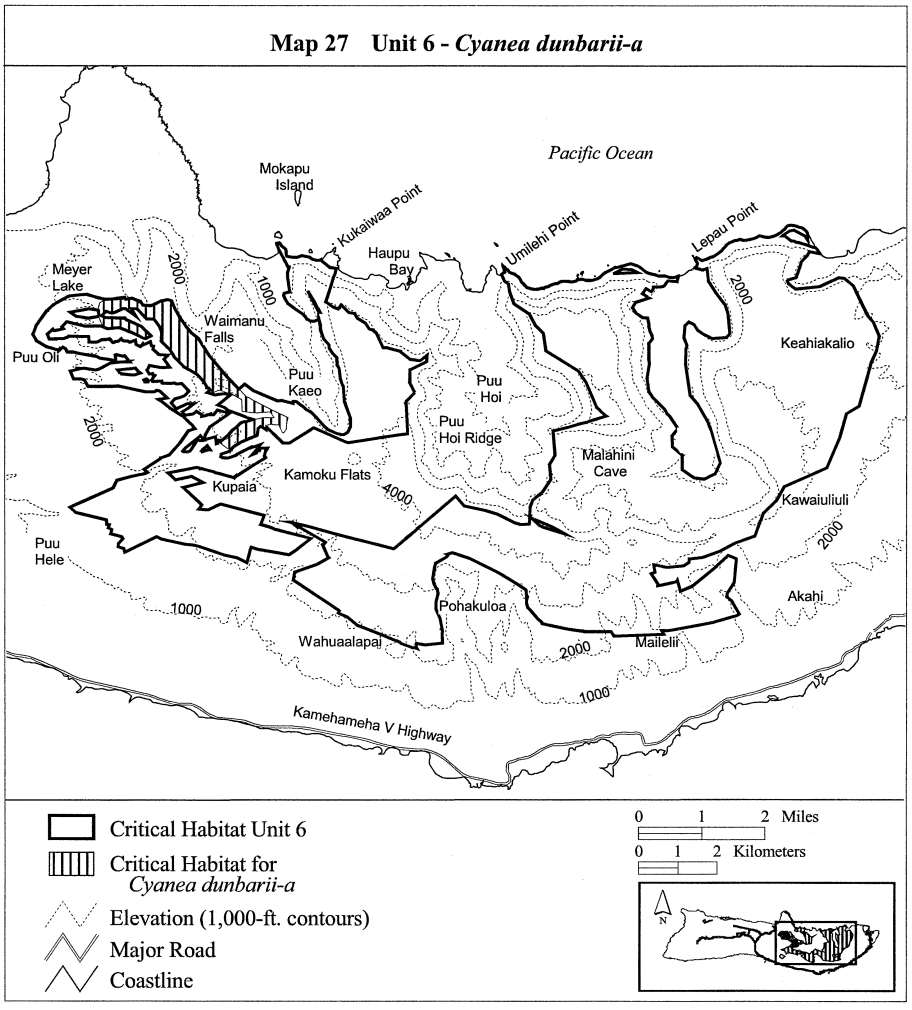


(27) Molokai 6—*Cyanea dunbarii*—a (328 ha; 810 ac)

(i) Unit consists of the following 90 boundary points: Start at 712383, 2341010; 712509, 2340781; 712677, 2340542; 712803, 2340388; 712971, 2340262; 713243, 2339841; 713266, 2339806; 713715, 2339259; 714220, 2338754; 714297, 2338733; 714374, 2338677; 714760, 2338473; 715273, 2338222; 715234, 2338101; 715225, 2337922; 715157, 2337836; 715115, 2337848; 715023, 2338037; 714756, 2338059; 714707, 2337911; 714567, 2338002; 714503, 2337946; 714489, 2337777; 714272, 2337679; 713969, 2337560; 713829, 2337426; 713749, 2337418; 713485, 2337618; 713716, 2337686; 713906, 2337932; 714103, 2338087; 714609, 2338220; 714918, 2338213; 714813, 2338368; 714419, 2338347; 714103, 2338389; 714089, 2338684; 713829, 2338832; 713499, 2338930; 713358, 2338860; 713246, 2338979; 713158, 2339000; 713210, 2339000; 713105, 2339162; 712936, 2339352; 712620, 2339534; 712395, 2339759; 712248, 2339991; 712044, 2340188; 712051, 2340406; 711988, 2340567; 711861, 2340729; 711679, 2340743; 711433, 2341003; 711081, 2340996; 710800, 2340884; 710660, 2340940; 710547, 2340827;

710653, 2340778; 710856, 2340778; 711123, 2340743; 711531, 2340560; 711791, 2340321; 711666, 2340244; 711599, 2340252; 711348, 2340378; 711130, 2340462; 710976, 2340525; 710695, 2340497; 710564, 2340545; 710482, 2340767; 710454, 2340998; 710489, 2341159; 710587, 2341201; 711050, 2341229; 711309, 2341265; 711407, 2341229; 711520, 2341187; 711520, 2341187; 711590, 2341089; 711621, 2341088; 711621, 2341088; 711786, 2341082; 712007, 2341178; 712060, 2341201; 712183, 2341226; 712235, 2341236; 712236, 2341236; 712305, 2341201; 712382, 2341012; return to starting point.

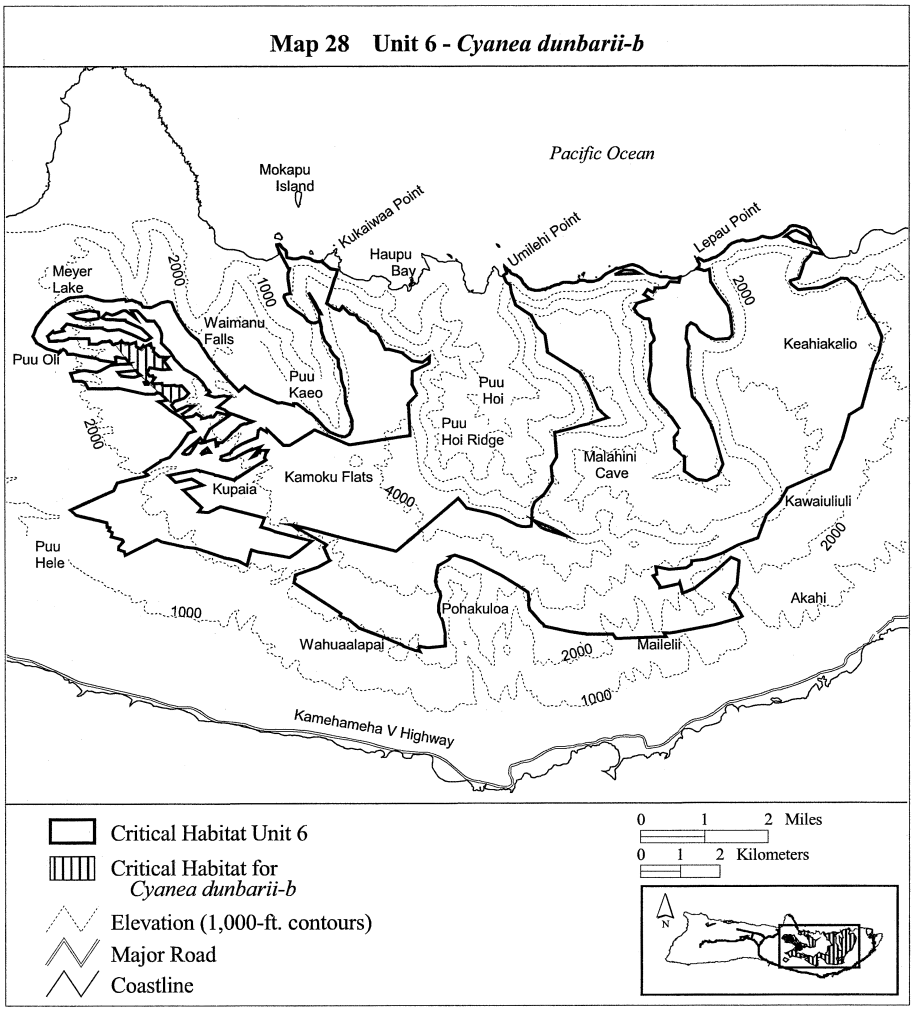
(ii) NOTE: Map 27 follows:



(28) Molokai 6—*Cyanea dunbarii*—b (88 ha; 218 ac)

(i) Unit consists of the following 38 boundary points: Start at 712268, 2338661; 711464, 2339411; 711167, 2339755; 710877, 2340154; 710985, 2340181; 711039, 2340242; 711079, 2340187; 711133, 2340181; 711133, 2340113; 711295, 2340160; 711397, 2340201; 711410, 2340052; 711545, 2339985; 711687, 2340106; 711849, 2340046; 711836, 2339971; 711991, 2339830; 712227, 2339823; 712119, 2339721; 712261, 2339519; 712059, 2339505; 711755, 2339553; 711687, 2339445; 711748, 2339343; 711829, 2339350; 711843, 2339309; 711883, 2339303; 711802, 2339181; 711843, 2339120; 712011, 2339134; 712140, 2339087; 712194, 2339080; 712383, 2339114; 712423, 2339087; 712565, 2339093; 712741, 2338904; 712639, 2338796; 712525, 2338742; return to starting point.

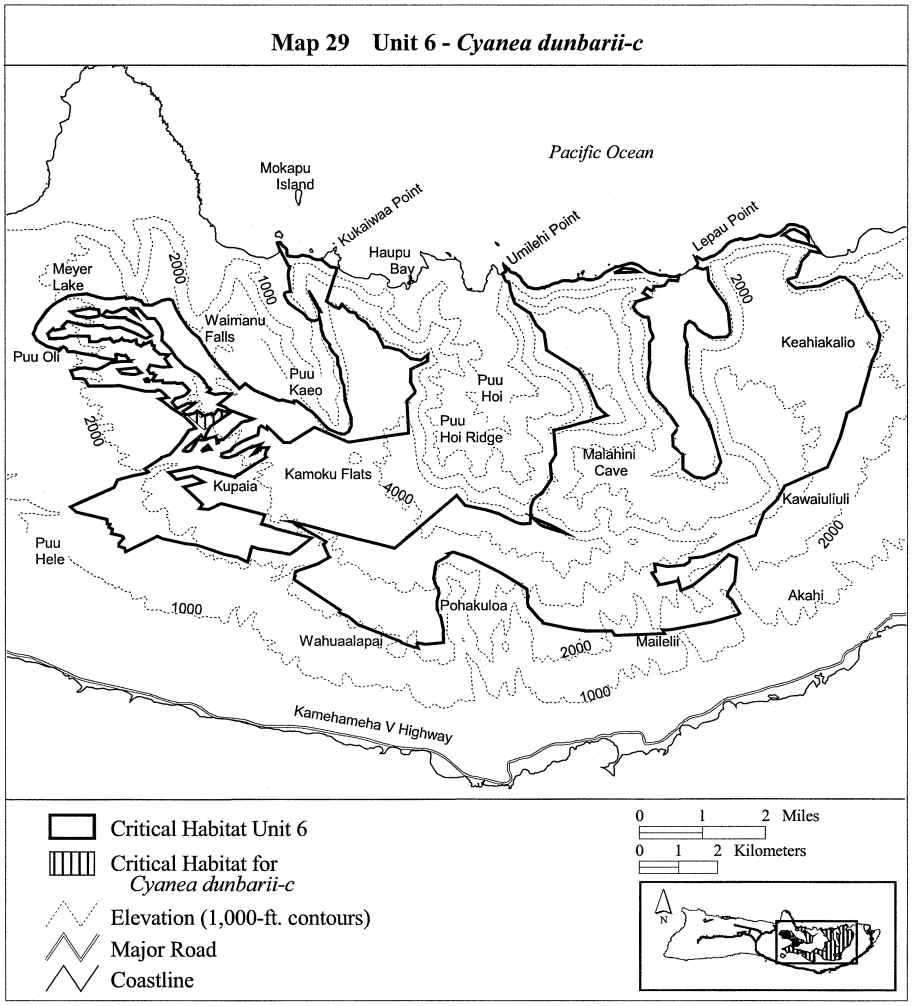
(ii) NOTE: Map 28 follows:



(29) Molokai 6—*Cyanea dunbarii*—c (23 ha; 56 ac)

(i) Unit consists of the following 8 boundary points: Start at 713119, 2337891; 712721, 2338242; 712943, 2338337; 713018, 2338202; 713295, 2338323; 713301, 2338229; 713470, 2338418; 713767, 2338337; return to starting point.

(ii) NOTE: Map 29 follows:

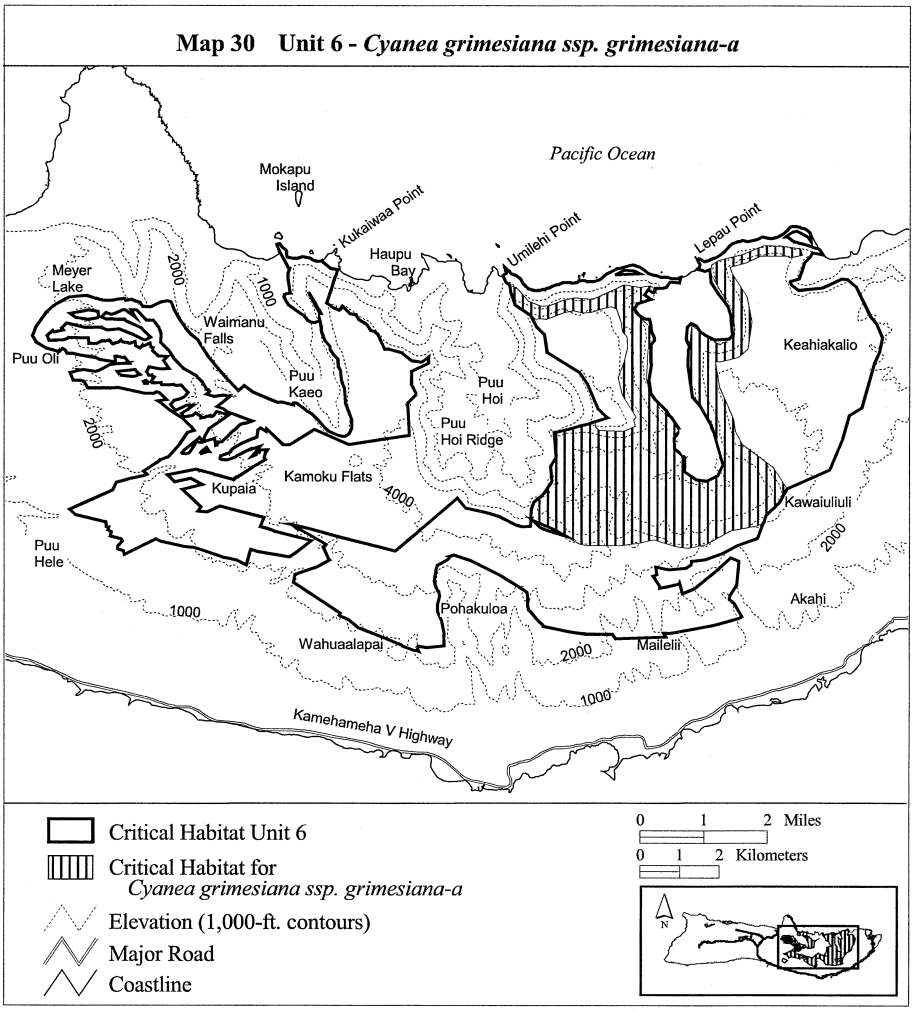


(30) Molokai 6—*Cyanea grimesiana* ssp. *grimesiana*—a (2,133 ha; 5,272 ac)

(i) Unit consists of the following 147 boundary points: Start at 724402, 2341280; 724061, 2341168; 723989, 2341034; 724140, 2340797; 724323, 2340631; 724436, 2340432; 724436, 2340432; 724485, 2340334; 724485, 2340334; 724485, 2340334; 724496, 2340239; 724495, 2340236; 724406, 2340142; 724406, 2340141; 724328, 2339992; 724289, 2339246; 724392, 2338911; 724498, 2338755; 724498, 2338755; 724580, 2338634; 724934, 2338251; 725144, 2337958; 724994, 2337760;

725003, 2337485; 725003, 2337479; 725003, 2337479; 725257, 2337263; 725252, 2336892; 725552, 2336696; 725813, 2336660; 726097, 2336793; 726225, 2337071; 726132, 2337378; 725950, 2337999; 725950, 2337999; 725948, 2337998; 725947, 2337998; 725906, 2338120; 725645, 2338566; 725448, 2338803; 725338, 2339603; 725350, 2340002; 725368, 2340078; 725368, 2340079; 725431, 2340616; 726134, 2340129; 726517, 2340344; 726517, 2340585; 726288, 2341264; 725894, 2341967; 725924, 2342152; 726122, 2342269; 726708, 2342417; 727260, 2342635; 727711, 2342629; 728174, 2342570; 728226, 2342394; 727905, 2342331; 727855, 2342374; 727164, 2342368; 726825, 2342214; 726406, 2342096; 726455, 2341942; 726831, 2341350; 726961, 2340727; 726862, 2340024; 726619, 2339809; 726149, 2339695; 726027, 2339695; 726106, 2339243; 726139, 2339057; 726506, 2338221; 726534, 2337929; 726712, 2337601; 727511, 2336999; 727854, 2336466; 727650, 2336110; 727313, 2335793; 727248, 2335596; 727088, 2335525; 726421, 2335393; 725792, 2335036; 725341, 2334952; 725013, 2334999; 724477, 2335168; 724109, 2335080; 723632, 2335018; 722824, 2335018; 722627, 2335055; 721913, 2335459; 721396, 2335678; 721470, 2336127; 721713, 2336326; 721929, 2336656; 721893, 2337028; 722037, 2337255; 721980, 2337890; 722331, 2337981; 723022, 2338160; 723014, 2338043; 723114, 2337949; 723297, 2337942; 723717, 2337932; 724017, 2338052; 723979, 2338221; 724036, 2338277; 723697, 2338841; 723585, 2339283; 723733, 2339688; 723818, 2340054; 723803, 2340329; 723696, 2340449; 723662, 2340693; 723538, 2341038; 723396, 2341086; 723176, 2341034; 722908, 2340945; 722675, 2340943; 722677, 2340938; 722661, 2340941; 722639, 2340938; 722637, 2340946; 722457, 2340989; 722243, 2340955; 721785, 2340772; 721651, 2340790; 721486, 2340778; 721475, 2340813; 720997, 2341127; 720995, 2341131; 720861, 2341600; 720942, 2341609; 721062, 2341540; 721334, 2341227; 721651, 2341103; 721861, 2341113; 722188, 2341248; 722488, 2341323; 722939, 2341279; 723503, 2341530; 723727, 2341654; 724109, 2341592; 724378, 2341623; 724450, 2341588; 724473, 2341445; 724325, 2341519; 724244, 2341392; return to starting point.

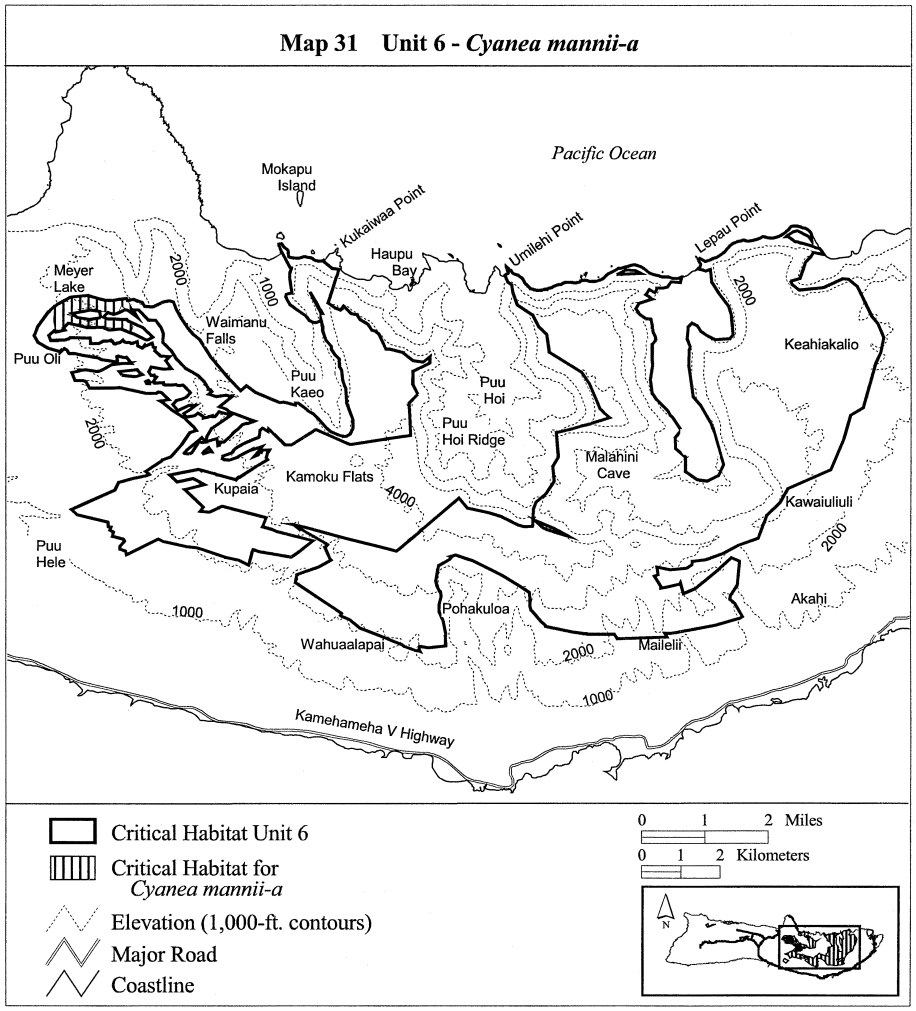
(ii) NOTE: Map 30 follows:



(31) Molokai 6—*Cyanea mannii*—a (110 ha; 272 ac)

(i) Unit consists of the following 31 boundary points: Start at 709340, 2340505; 709294, 2340681; 709294, 2340850; 709317, 2341088; 709693, 2341288; 710007, 2341357; 710238, 2341334; 710614, 2341241; 710790, 2341242; 710928, 2341272; 711128, 2341288; 711412, 2340812; 711005, 2341103; 710913, 2340927; 710215, 2341004; 709647, 2340888; 709977, 2340773; 710084, 2340781; 710199, 2340766; 710491, 2340812; 710783, 2340750; 710867, 2340758; 711136, 2340758; 711297, 2340581; 711235, 2340428; 711005, 2340520; 710783, 2340543; 710575, 2340566; 710146, 2340551; 709670, 2340666; 709462, 2340482; return to starting point.

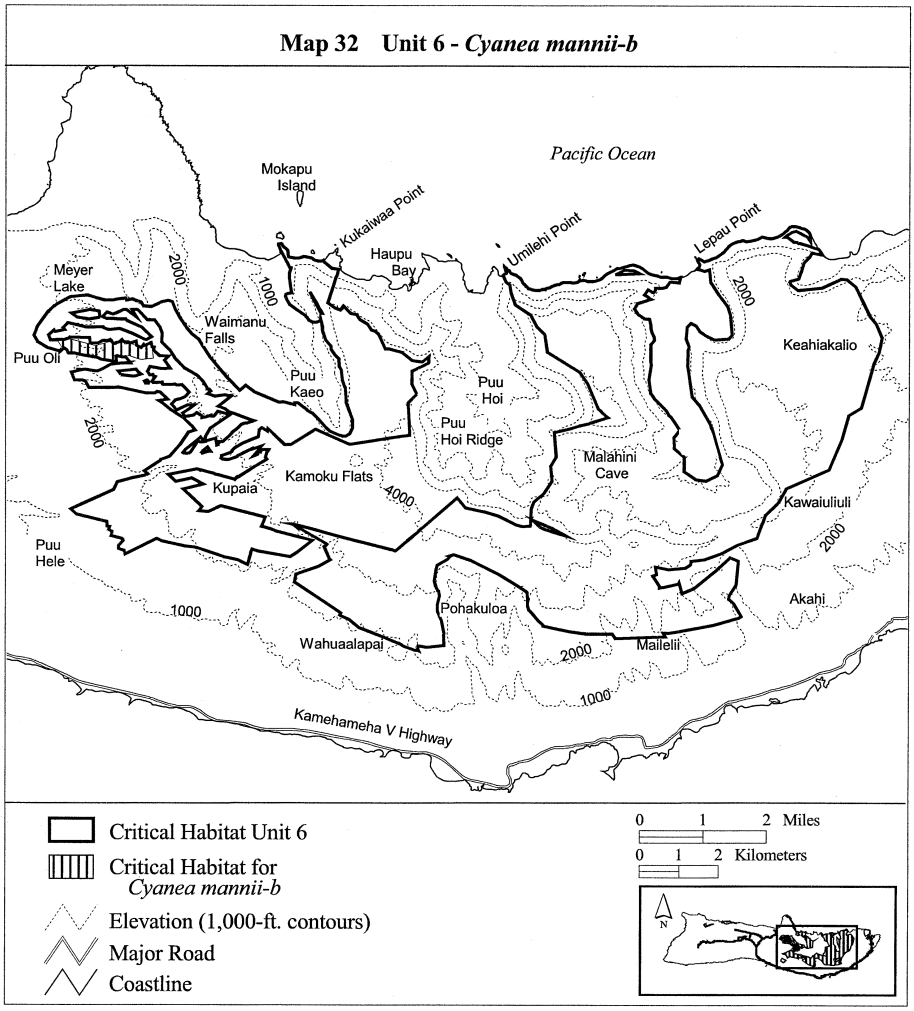
(ii) NOTE: Map 31 follows:



(32) Molokai 6—*Cyanea mannii*—b (81 ha; 199 ac)

(i) Unit consists of the following 25 boundary points: Start at 709386, 2340236; 709700, 2340251; 709777, 2340244; 710360, 2340090; 710721, 2340190; 710890, 2340113; 711036, 2340244; 711105, 2340121; 711312, 2340129; 711527, 2340036; 711780, 2340167; 711842, 2339768; 711527, 2339729; 711205, 2339837; 711082, 2339791; 710890, 2339837; 710905, 2339683; 710583, 2339737; 710499, 2339745; 710391, 2339791; 709992, 2339860; 709839, 2339891; 709685, 2339898; 709624, 2339983; 709501, 2340067; return to starting point.

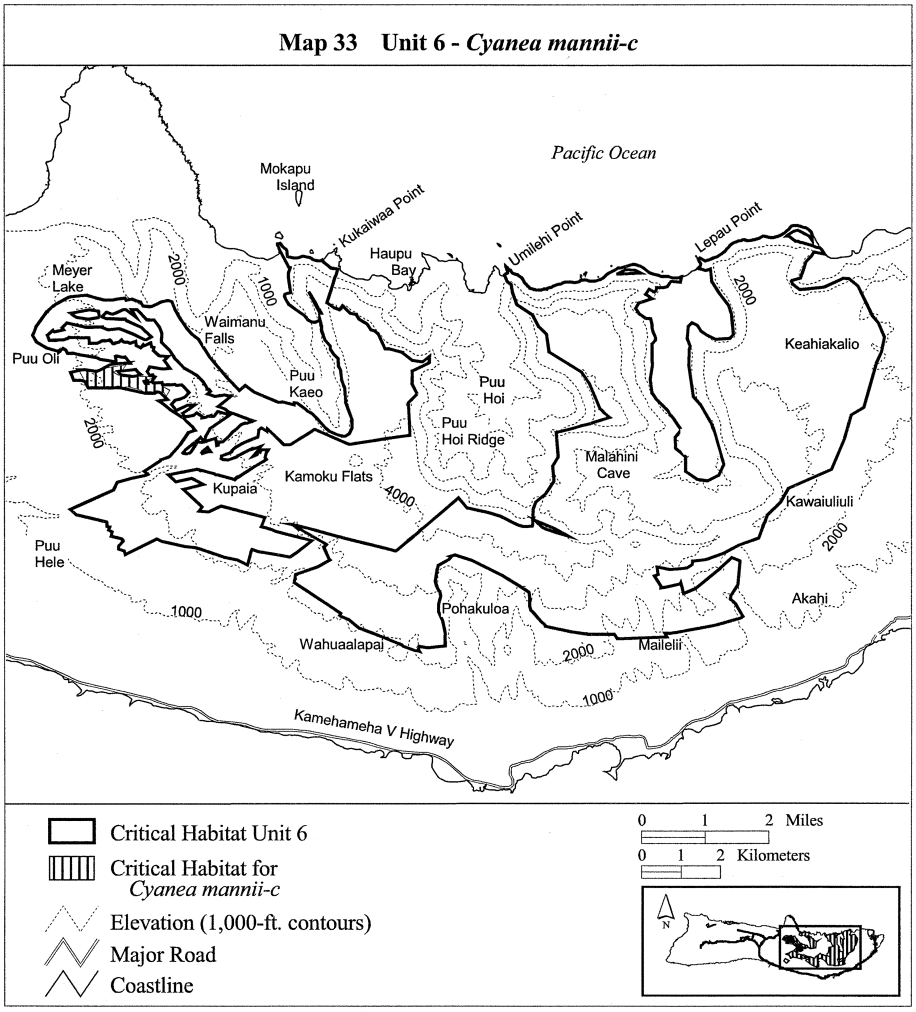
(ii) NOTE: Map 32 follows:



(33) Molokai 6—*Cyanea mannii*—c (78 ha; 192 ac)

(i) Unit consists of the following 25 boundary points: Start at 709961, 2339476; 710399, 2339438; 710644, 2339522; 710867, 2339568; 711159, 2339607; 711059, 2339476; 710821, 2339422; 710951, 2339353; 711320, 2339315; 711673, 2339307; 711865, 2339284; 711612, 2339184; 711642, 2339131; 712057, 2339154; 712087, 2339062; 712256, 2338962; 712172, 2338816; 712103, 2338900; 711888, 2338916; 711719, 2338931; 711581, 2338908; 711542, 2338954; 711220, 2339039; 710836, 2339023; 710207, 2339023; return to starting point.

(ii) NOTE: Map 33 follows:

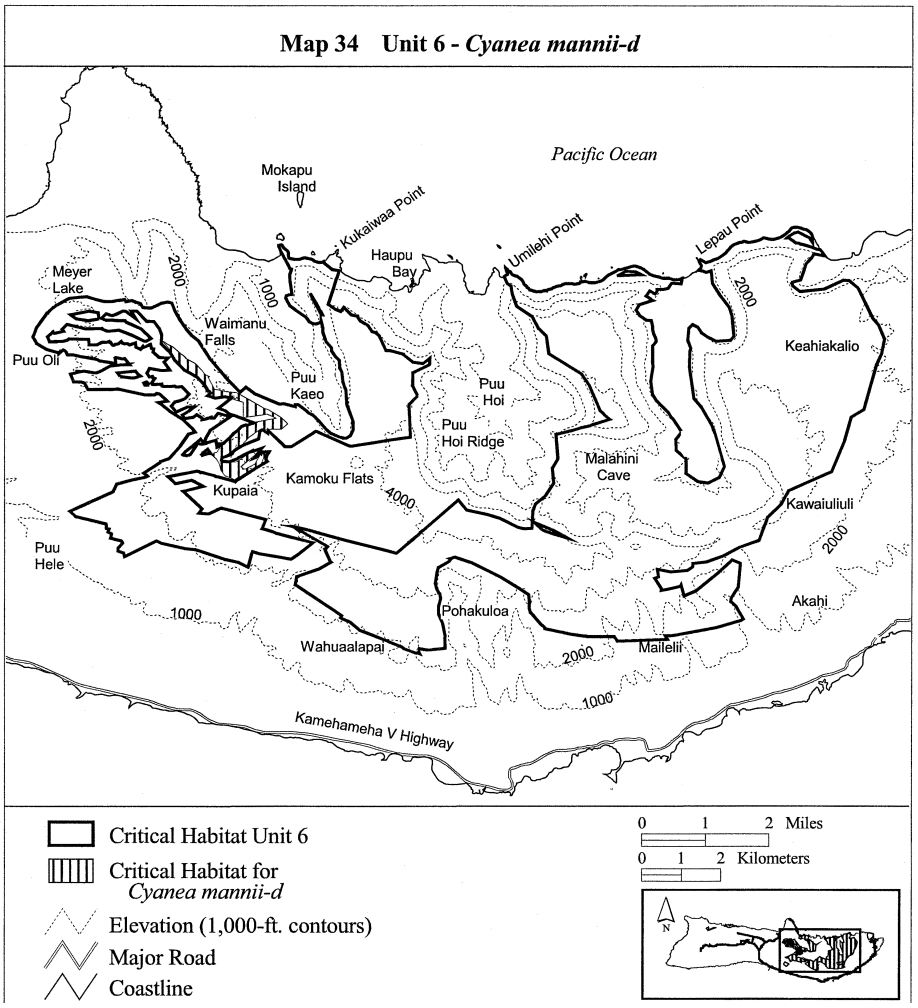


(34) Molokai 6—*Cyanea mannii*—d (160 ha; 396 ac)

(i) Unit consists of the following 73 boundary points: Start at 712661, 2339820; 712658, 2339819; 712672, 2339802; 712901, 2339679; 713065, 2339521; 713151, 2339406; 713247, 2339345; 713227, 2339338; 713378, 2339028; 713664, 2338964; 713937, 2338939; 713943, 2338936; 714265, 2338754; 714620, 2338553; 714721, 2338508; 715049, 2338303; 715206, 2338154; 715047, 2338011; 714522, 2338019; 714260, 2337828; 714038, 2337597; 713569, 2337288; 713537, 2337168; 713934, 2337192; 714324, 2337470; 714403, 2337375; 714038, 2337065; 714141, 2337001; 714379, 2337129; 714570, 2337438; 714753, 2337438; 714586, 2337240; 714581, 2337183; 714556, 2337183; 714560, 2337116; 713942, 2336733; 713867, 2336746; 713697, 2336822; 713650, 2336839; 713539, 2336980; 713504, 2337120; 713445, 2337255; 713334, 2337337; 713308, 2337344; 713372, 2337417; 713426, 2337415; 713553, 2337613; 713775, 2337812; 714022, 2338058; 714459, 2338209; 714912, 2338297; 714697, 2338392; 714101, 2338305; 714101, 2338519; 714101, 2338702; 713903, 2338766; 713648, 2338845; 713402, 2338805;

713210, 2338869; 713291, 2338925; 713171, 2339131; 712925, 2339354; 712655, 2339521; 712369, 2339783; 712266, 2340021; 712094, 2340230; 712094, 2340233; 712204, 2340159; 712321, 2340118; 712461, 2339995; 712575, 2339895; 712590, 2339902; 712650, 2339829; return to starting point.

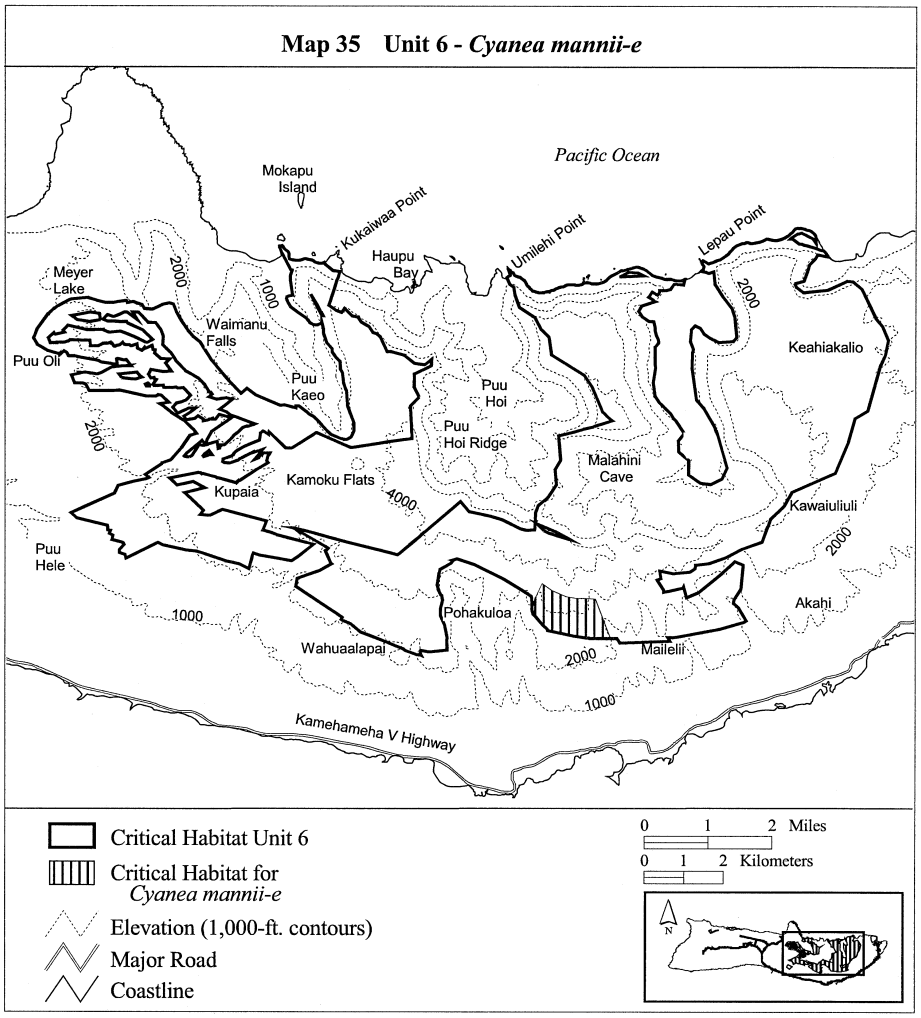
(ii) NOTE: Map 34 follows:



(35) Molokai 6—*Cyanea mannii*—e (168 ha; 416 ac)

(i) Unit consists of the following 18 boundary points: Start at 721578, 2334150; 721818, 2333970; 722169, 2333818; 722450, 2333777; 722673, 2333777; 722910, 2333761; 723049, 2333401; 723285, 2332769; 722714, 2332764; 722368, 2332823; 721718, 2332957; 721694, 2332993; 721595, 2333086; 721408, 2333315; 721338, 2333379; 721314, 2333467; 721314, 2333577; 721414, 2333839; return to starting point.

(ii) NOTE: Map 35 follows:

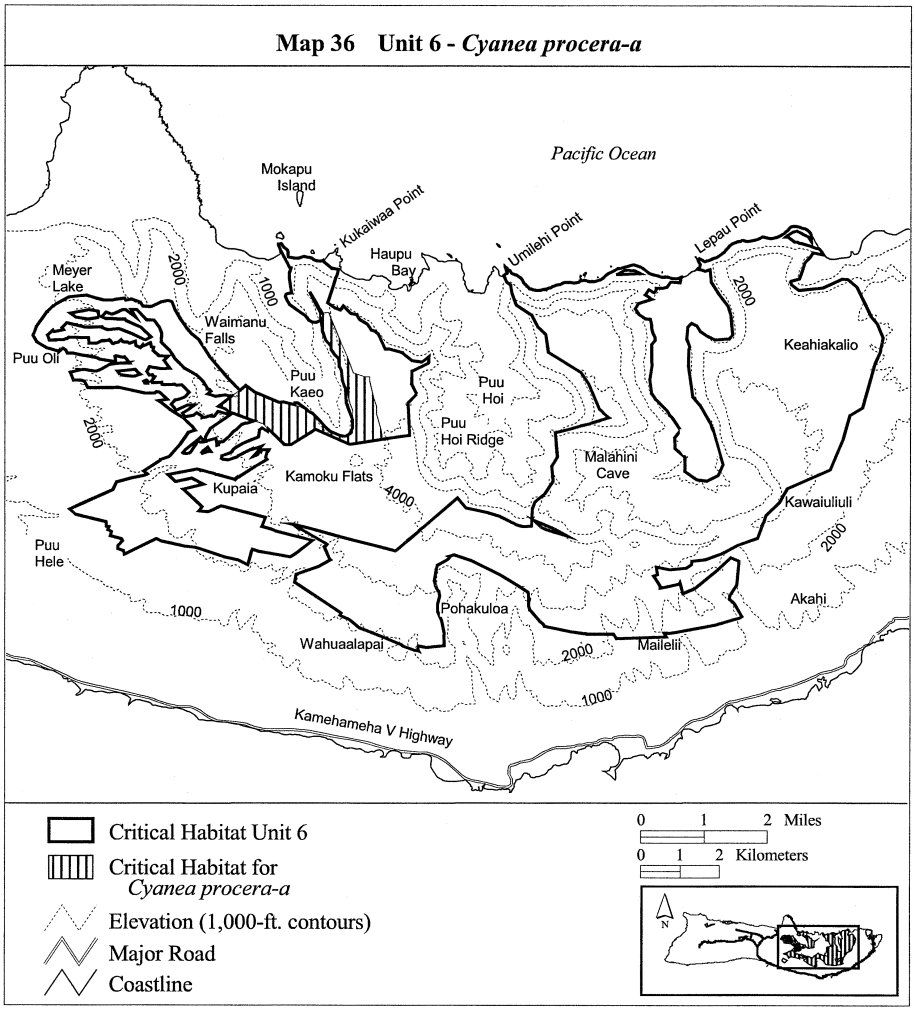


(36) Molokai 6—*Cyanea procera*—a (348 ha; 860 ac)

(i) Unit consists of the following 64 boundary points: Start at 717603, 2337808; 717607, 2337707; 717538, 2337697; 717493, 2337690; 716789, 2337580; 715922, 2337961; 715922, 2337961; 715899, 2337947; 715302, 2337577; 715148, 2337577; 714597, 2338100; 714254, 2338220; 713860, 2338374; 713740, 2338408; 713648, 2338488; 713476, 2338552; 714171, 2339082; 714385, 2338922; 715008, 2338648; 715099, 2338665; 715512, 2338547; 715842, 2338374; 716007, 2338202; 716190, 2338008; 716282, 2337911; 716533, 2337808; 716653, 2337785; 716801, 2337820; 716864, 2337877; 716864, 2338048; 716859, 2338282; 716854, 2338447; 716801, 2338608; 716716, 2338911; 716636, 2339105; 716596, 2339225; 716567, 2339476; 716516, 2339568; 716499, 2339773; 716390, 2339888; 716316, 2340002; 716310, 2340070; 716167, 2340242; 716093, 2340453; 716087, 2340602; 716047, 2340762; 716005, 2340909; 716252, 2340933; 716289, 2340900; 716266, 2340906; 716562, 2340165; 716724, 2339814; 716872, 2339396; 717182, 2339302; 717290, 2339294; 717293, 2339185; 717390, 2338768; 717464, 2338534;

717470, 2338534; 717470, 2338517; 717470, 2338385; 717470, 2338340; 717577, 2337948; 717601, 2337860; return to starting point.

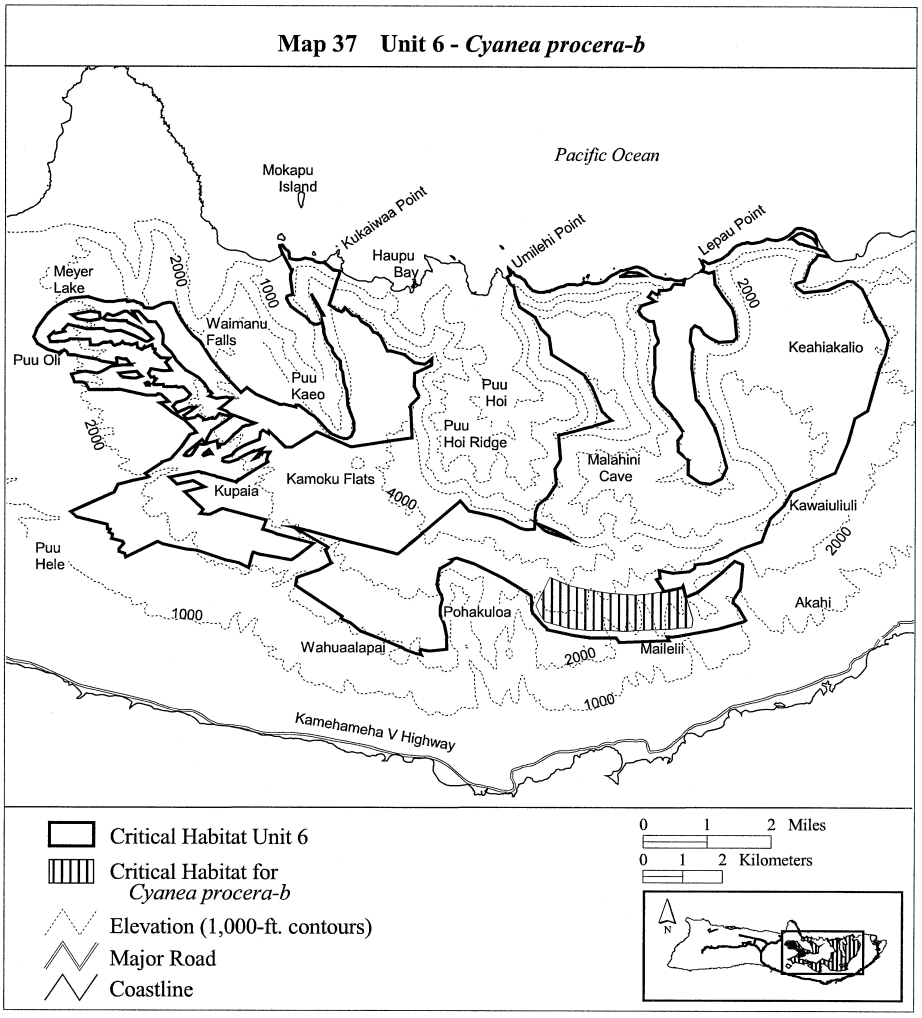
(ii) NOTE: Map 36 follows:



(37) Molokai 6—*Cyanea procera*—b (373 ha; 921 ac)

(i) Unit consists of the following 24 boundary points: Start at 721773, 2334290; 722229, 2334092; 722786, 2333963; 723322, 2333892; 723936, 2333849; 724350, 2333885; 724757, 2333956; 725114, 2334042; 725130, 2334067; 725385, 2333227; 725353, 2333037; 725264, 2333013; 725228, 2333013; 725035, 2333013; 724850, 2332985; 724514, 2332971; 724100, 2332956; 723650, 2332921; 723357, 2332942; 722765, 2332949; 722244, 2332999; 721637, 2333171; 721522, 2333349; 721417, 2333581; return to starting point.

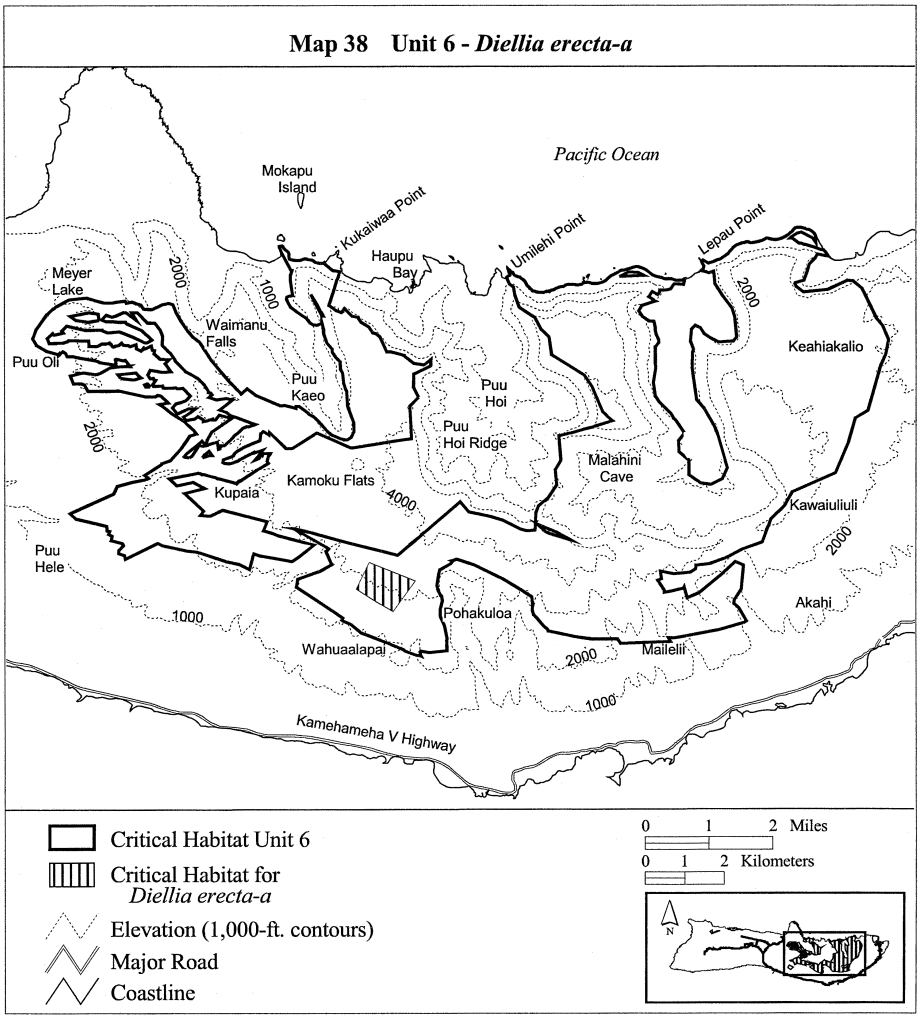
(ii) NOTE: Map 37 follows:



(38) Molokai 6—*Diellia erecta*—a (99 ha; 244 ac)

(i) Unit consists of the following 5 boundary points: Start at 717246, 2334694; 718399, 2334223; 717831, 2333459; 717408, 2333703; 716905, 2334028; return to starting point.

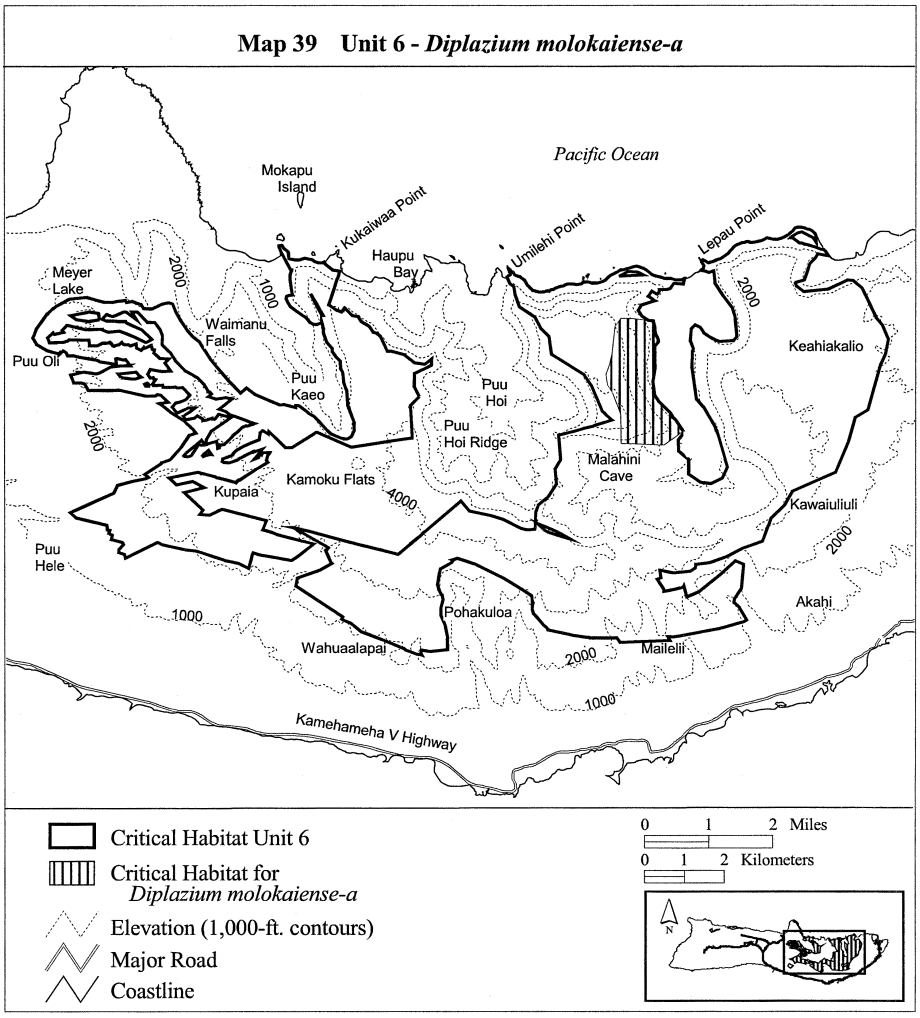
(ii) NOTE: Map 38 follows:



(39) Molokai 6—*Diplazium molokaiense*—a (368 ha; 909 ac)

(i) Unit consists of the following 31 boundary points: Start at 724370, 2340778; 724382, 2340717; 724401, 2340620; 724402, 2340548; 724402, 2340548; 724406, 2340143; 724406, 2340142; 724406, 2340141; 724411, 2339687; 724412, 2339620; 724349, 2339241; 724412, 2338841; 724498, 2338755; 724498, 2338755; 724498, 2338755; 724612, 2338641; 724801, 2338452; 724881, 2338317; 725086, 2337967; 724633, 2337631; 723549, 2337673; 723549, 2337936; 723538, 2338420; 723338, 2338957; 723212, 2339157; 723170, 2339420; 723265, 2339662; 723328, 2339957; 723402, 2340631; 723538, 2340830; 723812, 2340830; return to starting point.

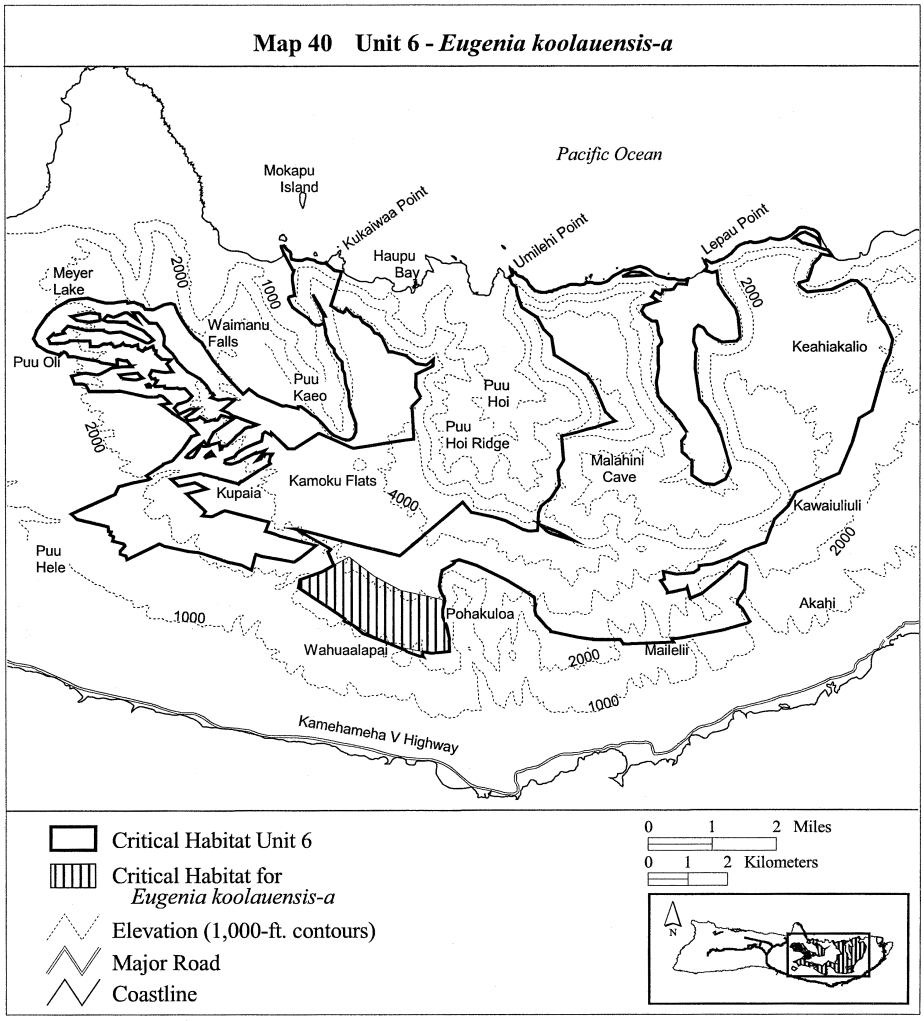
(ii) NOTE: Map 39 follows:



(40) Molokai 6—*Eugenia koolauensis*—a (471 ha; 1,164 ac)

(i) Unit consists of the following 14 boundary points: Start at 716675, 2334851; 717303, 2334375; 717982, 2334001; 719022, 2333773; 719028, 2333297; 719168, 2332885; 719193, 2332460; 718755, 2332409; 717855, 2332593; 717138, 2332929; 716434, 2333380; 715394, 2334071; 715432, 2334280; 715978, 2334477; return to starting point.

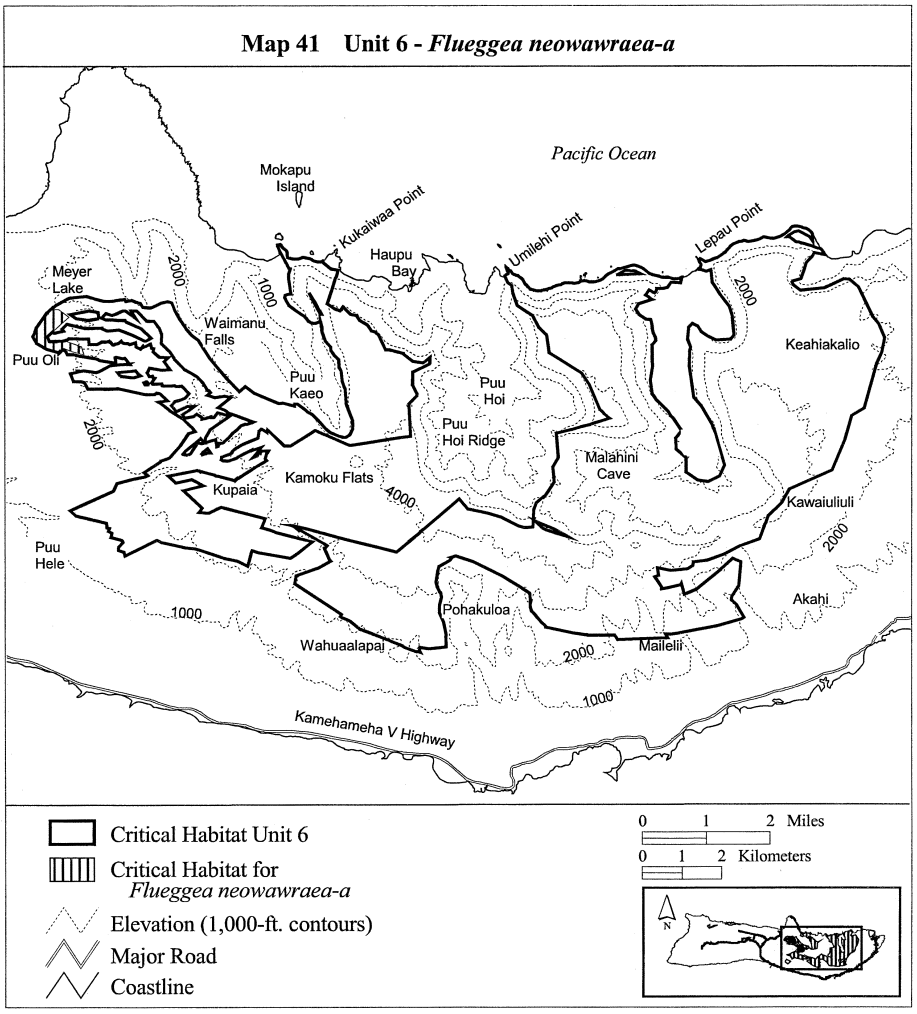
(ii) NOTE: Map 40 follows:



(41) Molokai 6—*Flueggea neowawraea*—a (61 ha; 151 ac)

(i) Unit consists of the following 19 boundary points: Start at 709451, 2339945; 709152, 2340035; 708894, 2340184; 708809, 2340348; 708808, 2340350; 708842, 2340439; 708897, 2340586; 709165, 2340951; 709293, 2341039; 709468, 2341039; 709723, 2340851; 709481, 2340637; 709173, 2340349; 709227, 2340228; 709676, 2340228; 710031, 2340101; 710105, 2339900; 709756, 2339987; 709595, 2340060; return to starting point.

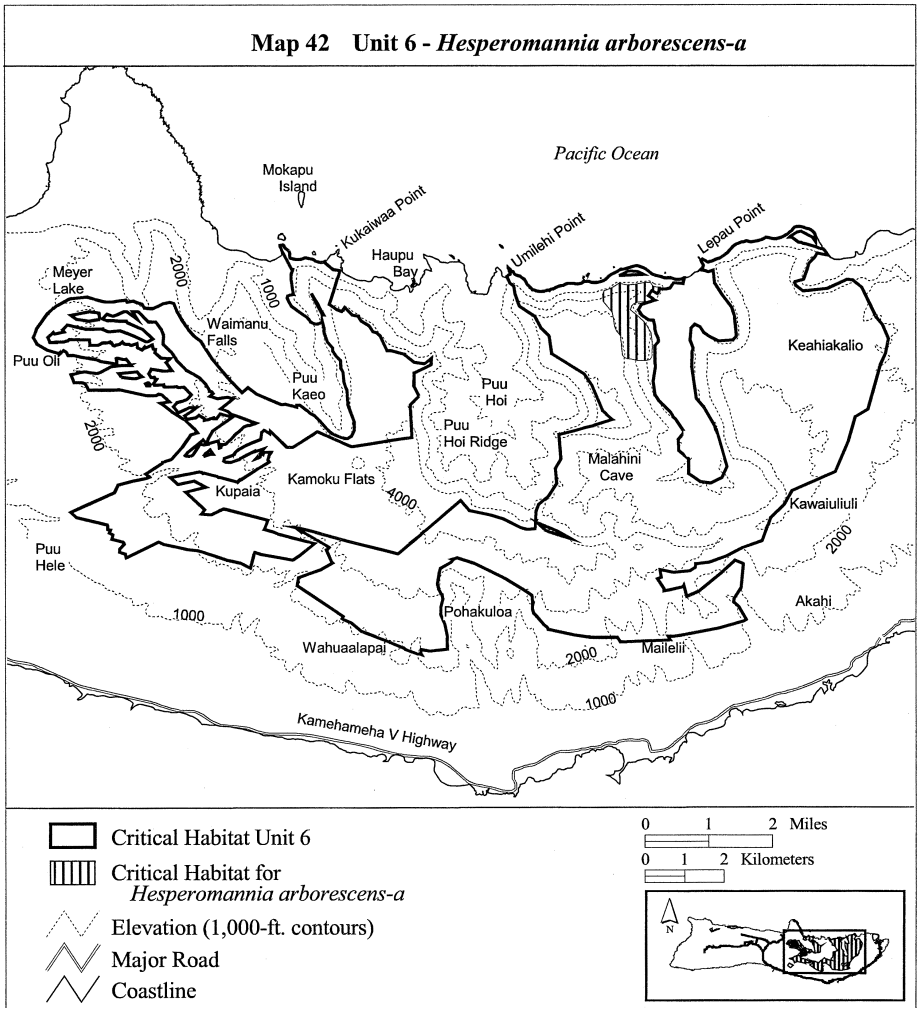
(ii) NOTE: Map 41 follows:



(42) Molokai 6—*Hesperomannia arborescens*—a (160 ha; 397 ac)

(i) Unit consists of the following 49 boundary points: Start at 723690, 2341666; 723886, 2341679; 724133, 2341723; 724285, 2341723; 724349, 2341641; 724450, 2341609; 724545, 2341609; 724517, 2341540; 724481, 2341462; 724473, 2341445; 724325, 2341519; 724244, 2341392; 724356, 2341313; 724355, 2341311; 724222, 2341248; 723968, 2341229; 723867, 2341197; 723816, 2341140; 723785, 2341045; 723981, 2340880; 724152, 2340722; 724304, 2340468; 724330, 2340234; 724336, 2340038; 724330, 2340038; 724330, 2339987; 724323, 2339866; 724273, 2339778; 724152, 2339752; 723975, 2339752; 723804, 2339797; 723683, 2339803; 723633, 2339847; 723582, 2339898; 723556, 2340145; 723562, 2340145; 723537, 2340266; 723537, 2340373; 723442, 2340494; 723385, 2340621; 723354, 2340849; 723322, 2340982; 723189, 2341153; 723094, 2341261; 723088, 2341425; 723126, 2341520; 723271, 2341577; 723392, 2341641; 723506, 2341710; return to starting point.

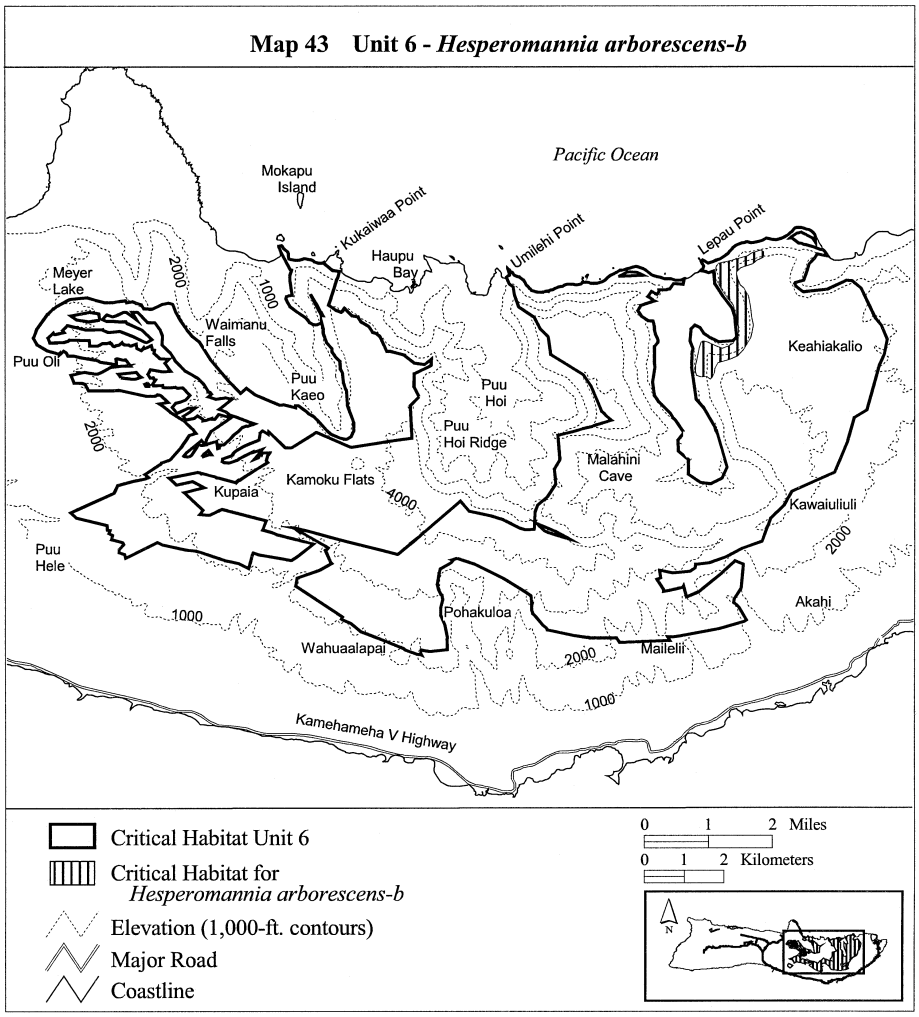
(ii) NOTE: Map 42 follows:



(43) Molokai 6—*Hesperomannia arborescens*—b (175 ha; 432 ac)

(i) Unit consists of the following 58 boundary points: Start at 726819, 2340382; 726807, 2340335; 726636, 2340063; 726484, 2339892; 726300, 2339809; 725990, 2339714; 725920, 2339581; 725901, 2339467; 725850, 2339353; 725806, 2339315; 725724, 2339359; 725572, 2339359; 725464, 2339397; 725407, 2339562; 725470, 2339816; 725527, 2340095; 725578, 2340240; 725629, 2340272; 725755, 2340234; 725933, 2340145; 726110, 2340082; 726275, 2340152; 726370, 2340209; 726503, 2340411; 726510, 2340431; 726497, 2340437; 726516, 2340532; 726516, 2340614; 726427, 2340791; 726433, 2340937; 726370, 2341184; 726224, 2341374; 726066, 2341603; 725933, 2341850; 725945, 2342128; 726002, 2342230; 726275, 2342287; 726541, 2342357; 726725, 2342414; 726839, 2342483; 727073, 2342566; 727149, 2342509; 727149, 2342458; 727118, 2342369; 726984, 2342306; 726870, 2342223; 726566, 2342116; 726459, 2342014; 726459, 2341945; 726484, 2341843; 726547, 2341691; 726642, 2341609; 726750, 2341425; 726782, 2341298; 726807, 2341127; 726839, 2340848; 726889, 2340671; 726851, 2340462; return to starting point.

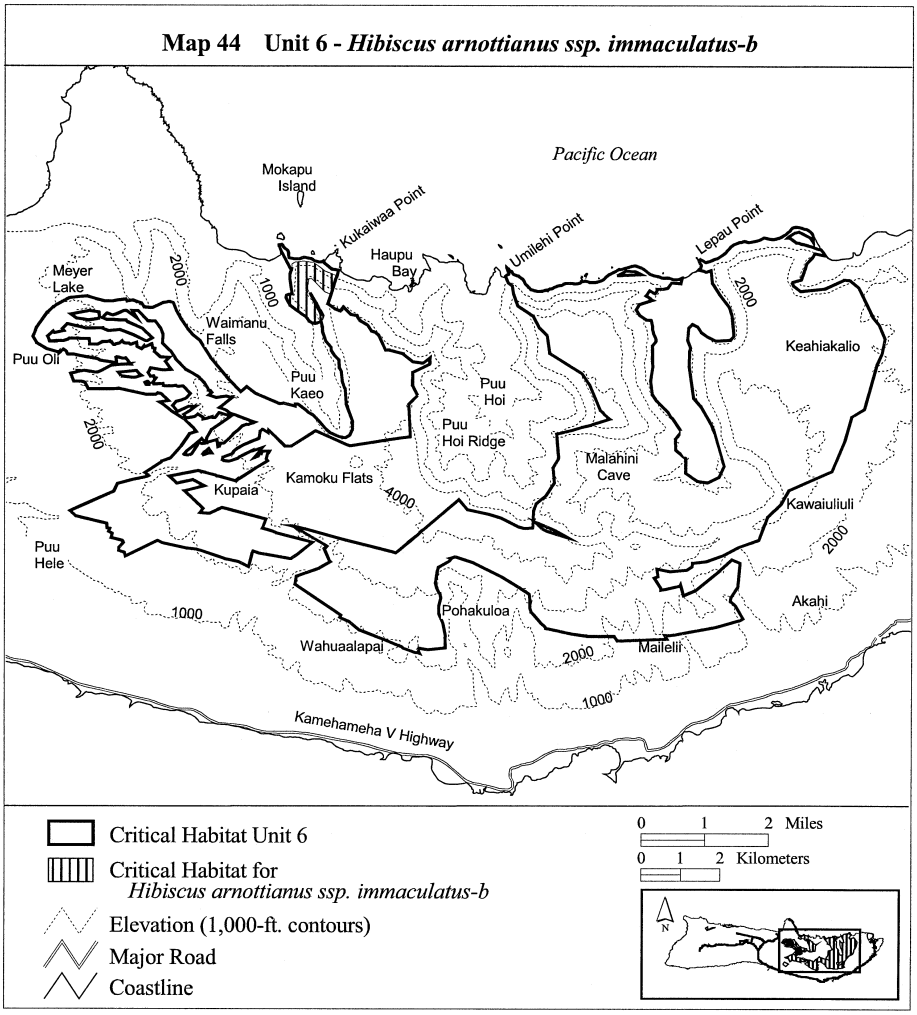
(ii) NOTE: Map 43 follows:



(44) Molokai 6—*Hibiscus arnottianus* ssp. *immaculatus*—b (108 ha; 268 ac)

(i) Unit consists of the following 37 boundary points: Start at 715304, 2341435; 715298, 2341516; 715255, 2341795; 715255, 2341937; 715304, 2342104; 715304, 2342179; 715385, 2342234; 715614, 2342265; 715862, 2342216; 716066, 2342067; 716157, 2342009; 716159, 2342011; 716327, 2341937; 716447, 2341883; 716302, 2341425; 716141, 2341479; 715905, 2341726; 715910, 2341731; 715812, 2341813; 715738, 2341813; 715719, 2341677; 715720, 2341541; 715887, 2341206; 716048, 2340921; 716116, 2340859; 716097, 2340791; 716042, 2340741; 715912, 2340679; 715825, 2340698; 715738, 2340747; 715658, 2340847; 715404, 2341026; 715261, 2341144; 715193, 2341262; 715150, 2341342; 715174, 2341398; 715230, 2341417; return to starting point.

(ii) NOTE: Map 44 follows:

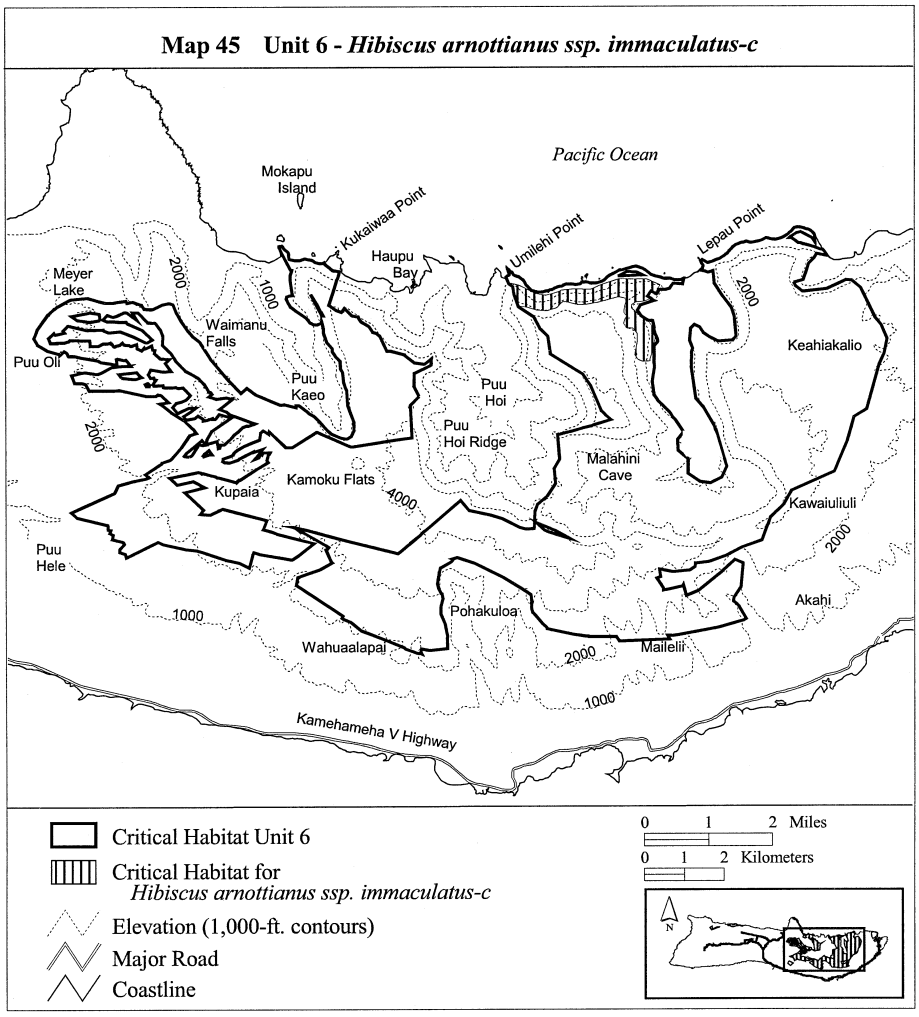


(45) Molokai 6—*Hibiscus arnottianus* ssp. *immaculatus*—c (218 ha; 538 ac)

(i) Unit consists of the following 77 boundary points: Start at 723666, 2341344; 723521, 2341378; 723025, 2341248; 722721, 2341195; 722521, 2341178; 722223, 2341256; 722138, 2341256; 722107, 2341251; 721964, 2341109; 721712, 2341030; 721443, 2341048; 721225, 2341117; 721025, 2341152; 720987, 2341152; 720883, 2341439; 720861, 2341600; 720856, 2341640; 720767, 2341699; 720752, 2341731; 720765, 2341735; 721008, 2341674; 721417, 2341474; 721686, 2341422; 721947, 2341500; 722070, 2341534; 722069, 2341552; 722399, 2341587; 722816, 2341578; 723077, 2341691; 723538, 2341839; 723903, 2341830; 724233, 2341830; 724564, 2341674; 724453, 2341513; 724453, 2341513; 724423, 2341470; 724325, 2341519; 724244, 2341392; 724326, 2341334; 724270, 2341301; 724155, 2341272; 723949, 2341249; 723851, 2341180; 723845, 2341094; 723989, 2340961; 723989, 2340961; 723991, 2340959; 724000, 2340951; 724230, 2340796; 724390, 2340583; 724402, 2340549; 724402, 2340548; 724436, 2340446; 724436, 2340432; 724436, 2340432; 724436, 2340431; 724436, 2340314; 724390, 2340193;

724350, 2339964; 724310, 2339803; 724299, 2339751; 724115, 2339746; 724000, 2339792; 723920, 2339906; 723943, 2340027; 723989, 2340262; 723983, 2340440; 723874, 2340578; 723725, 2340583; 723644, 2340710; 723679, 2340842; 723725, 2340882; 723662, 2340974; 723650, 2341048; 723667, 2341152; 723702, 2341255; 723702, 2341289; return to starting point.

(ii) NOTE: Map 45 follows:

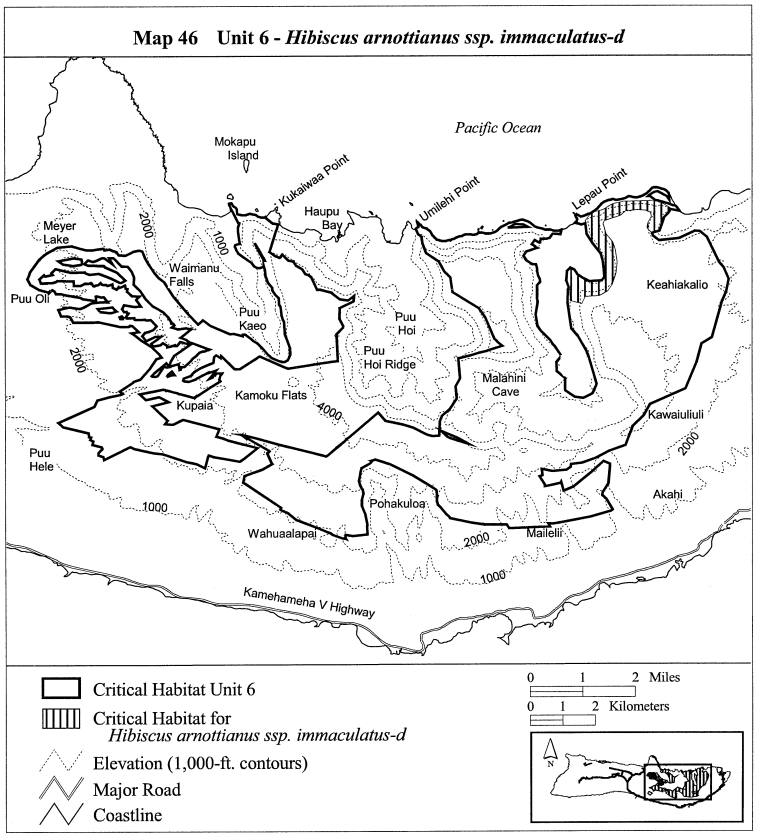


(46) Molokai 6—*Hibiscus arnottianus* ssp. *immaculatus*—d (276 ha; 681 ac)

(i) Unit consists of the following 52 boundary points: Start at 728137, 2341804; 727911, 2341743; 727815, 2341830; 727763, 2341908; 727798, 2342065; 727902, 2342247; 727868, 2342360; 727737, 2342430; 727450, 2342456; 727111, 2342412; 726963, 2342273; 726685, 2342178; 726468, 2342108; 726424, 2342021; 726468, 2341900; 726520, 2341717; 726720, 2341456; 726790, 2341239; 726859, 2340848; 726824, 2340517; 726711,

2340152; 726564, 2339952; 726311, 2339813; 725877, 2339778; 725772, 2339561; 725425, 2339657; 725399, 2339996; 725368, 2340078; 725368, 2340079; 725294, 2340274; 725320, 2340569; 725422, 2340671; 725546, 2340613; 725674, 2340421; 726007, 2340256; 726381, 2340282; 726458, 2340381; 726442, 2340648; 726402, 2341022; 726123, 2341391; 725911, 2341717; 725877, 2342108; 726071, 2342357; 726416, 2342456; 726720, 2342630; 727033, 2342699; 728085, 2342734; 728494, 2342482; 728433, 2342369; 728276, 2342204; 728234, 2342042; 728234, 2342042; return to starting point.

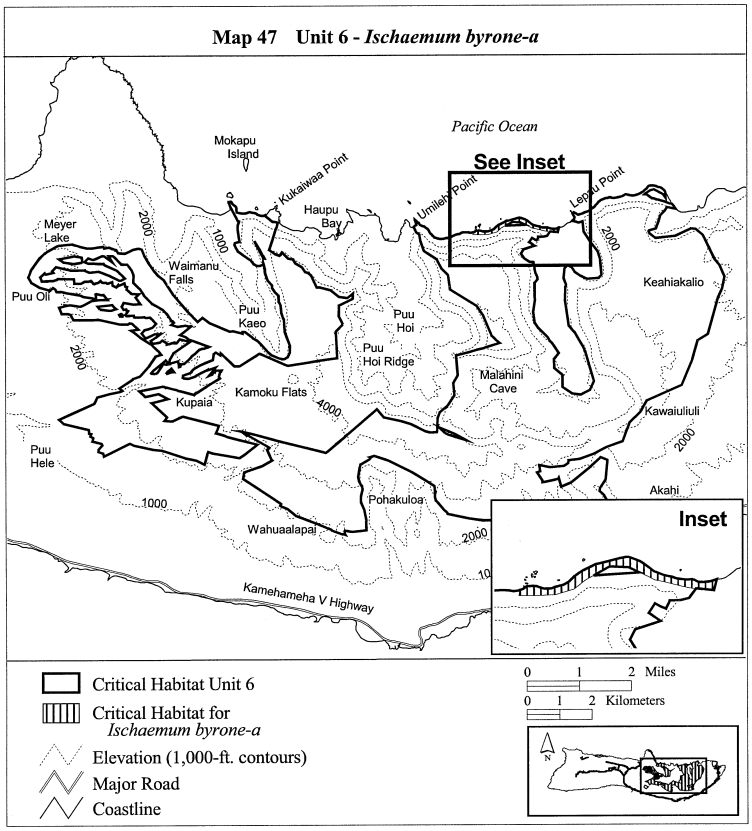
(ii) NOTE: Map 46 follows:



(47) Molokai 6—*Ischaemum byrone*—a (30 ha; 75 ac)

(i) Unit consists of the following 18 boundary points and the intermediate coastline: Start at 722523, 2341702; 725160, 2341840; 725118, 2341694; 724963, 2341709; 724963, 2341709; 724909, 2341714; 724840, 2341714; 724719, 2341743; 724418, 2341814; 724326, 2341831; 724245, 2341874; 723971, 2342008; 723722, 2342018; 723395, 2341836; 723249, 2341714; 722994, 2341641; 722702, 2341629; 722508, 2341629; follow coastline and return to starting point.

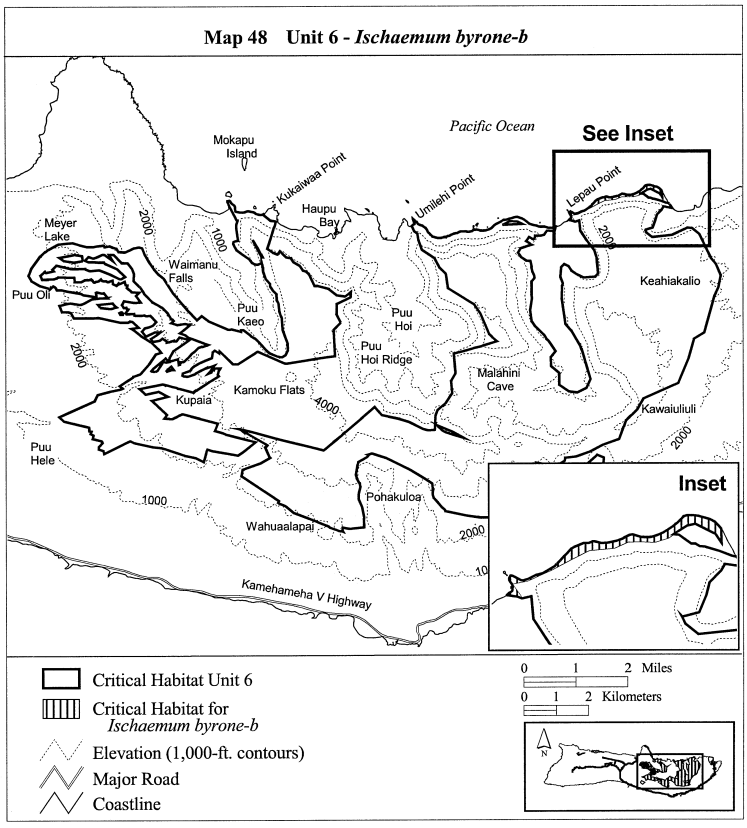
(ii) NOTE: Map 47 follows:



(48) Molokai 6—*Ischaemum byrone*—b (29 ha; 72 ac)

(i) Unit consists of the following 26 boundary points and the intermediate coastline: Start at 728440, 2342742; 728356, 2342866; 728088, 2343003; 727978, 2342980; 727842, 2342898; 727728, 2342811; 727541, 2342752; 727327, 2342761; 727195, 2342757; 727194, 2342760; 727001, 2342673; 726661, 2342637; 726418, 2342516; 726151, 2342370; 725981, 2342297; 725835, 2342224; 725629, 2342188; 725763, 2342006; 725562, 2342041; 725558, 2342045; 725582, 2342067; 725624, 2342097; 725631, 2342109; 725630, 2342134; 725635, 2342160; 725632, 2342174; follow coastline and return to starting point.

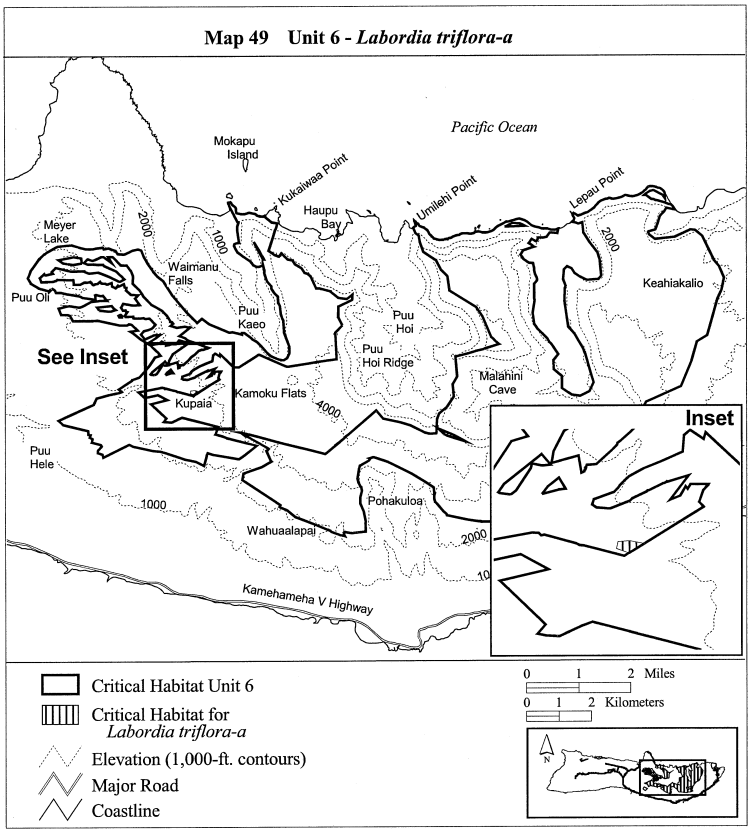
(ii) NOTE: Map 48 follows:



(49) Molokai 6—*Labordia triflora*—a (2 ha; 5 ac)

(i) Unit consists of the following 5 boundary points: Start at 714077, 2336828; 713934, 2336726; 713805, 2336774; 713819, 2336848; 713941, 2336855; return to starting point.

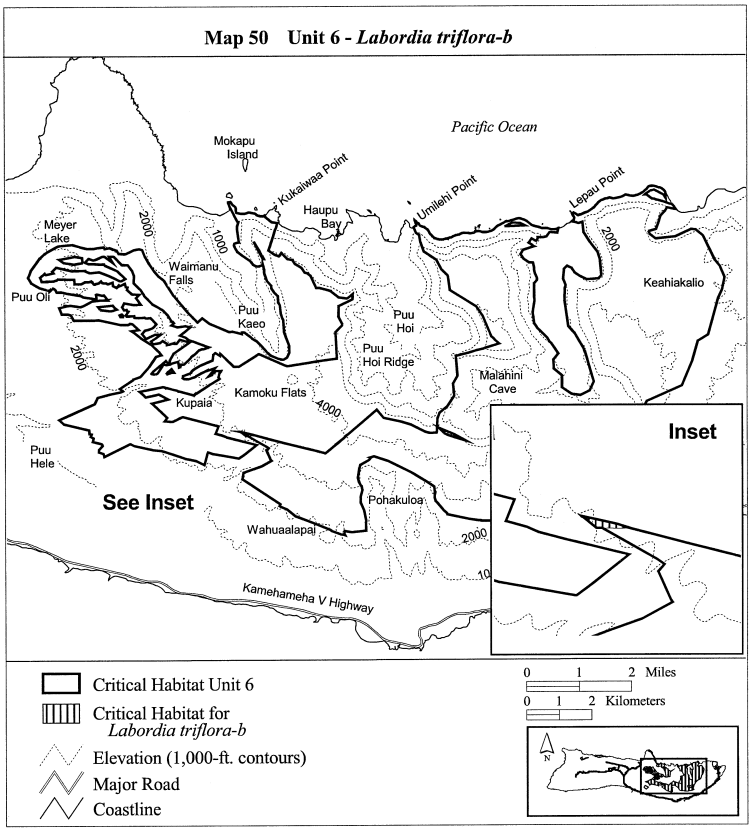
(ii) NOTE: Map 49 follows:



(50) Molokai 6—*Labordia triflora*—b (2 ha; 6 ac)

(i) Unit consists of the following 4 boundary points: Start at 715351, 2335553; 715717, 2335465; 715866, 2335418; 715507, 2335425; return to starting point.

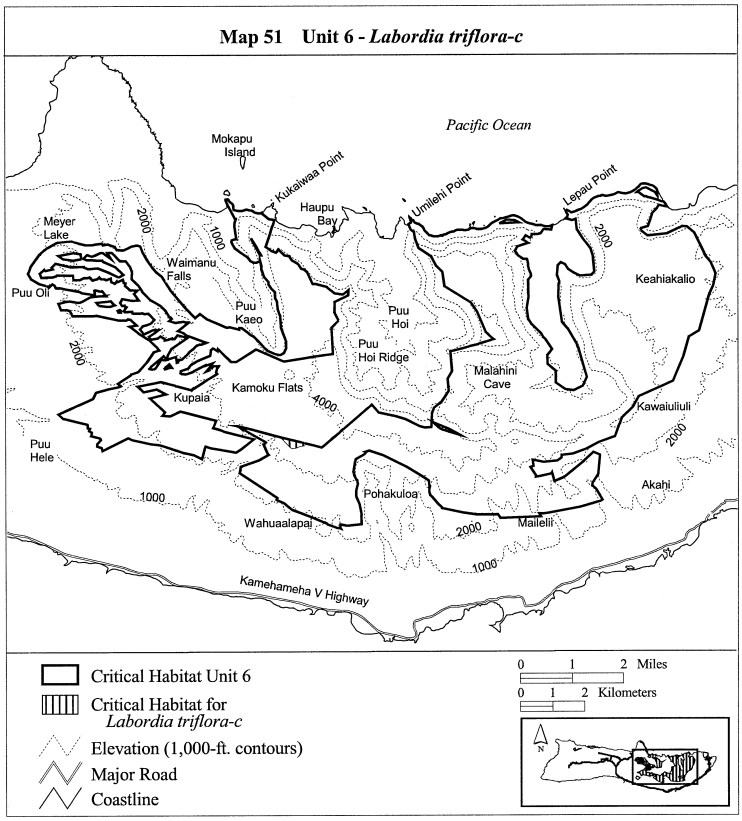
(ii) NOTE: Map 50 follows:



(51) Molokai 6—*Labordia triflora*—c (13 ha; 32 ac)

(i) Unit consists of the following 10 boundary points: Start at 717469, 2335003; 717464, 2334998; 717421, 2334927; 717290, 2334910; 717137, 2334850; 717038, 2334834; 716956, 2334889; 716743, 2335118; 716660, 2335211; 716661, 2335212; return to starting point.

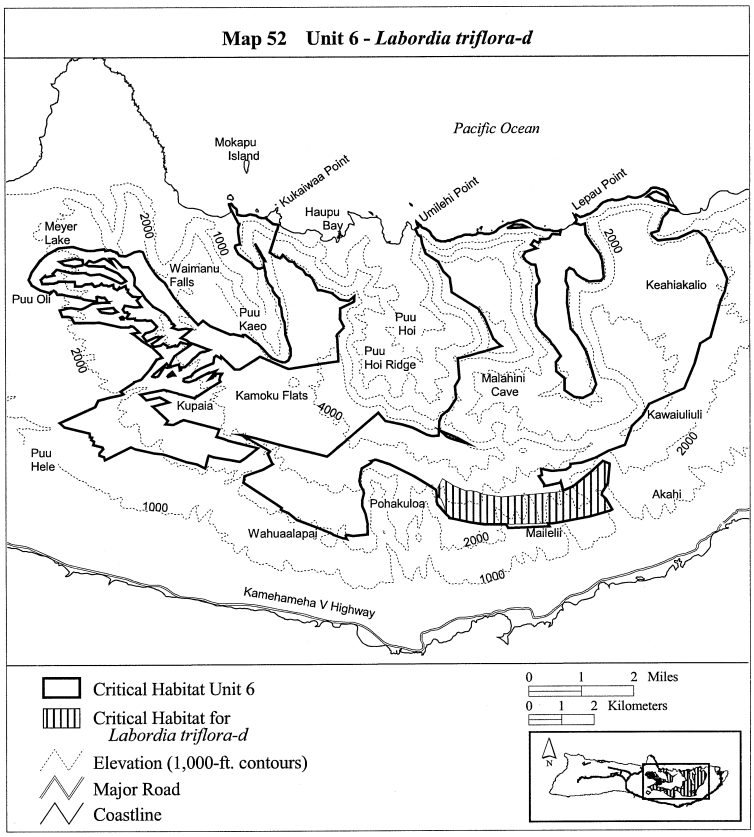
(ii) NOTE: Map 51 follows:



(52) Molokai 6—*Labordia triflora*—d (523 ha; 1,292 ac)

(i) Unit consists of the following 34 boundary points: Start at 725106, 2333758; 725517, 2333924; 726111, 2334421; 726421, 2334714; 726628, 2334621; 726580, 2334022; 726403, 2333749; 726403, 2333749; 726386, 2333663; 726517, 2333545; 726703, 2333212; 726702, 2333211; 726649, 2333179; 726032, 2332999; 725026, 2332806; 725026, 2332805; 724835, 2332780; 723332, 2332760; 722771, 2332760; 721750, 2332951; 721570, 2333120; 721570, 2333277; 721452, 2333546; 721323, 2333635; 721309, 2333822; 721490, 2334177; 721866, 2333950; 722233, 2333793; 722416, 2333793; 722547, 2333767; 722765, 2333679; 723324, 2333609; 724137, 2333670; 724687, 2333723; return to starting point.

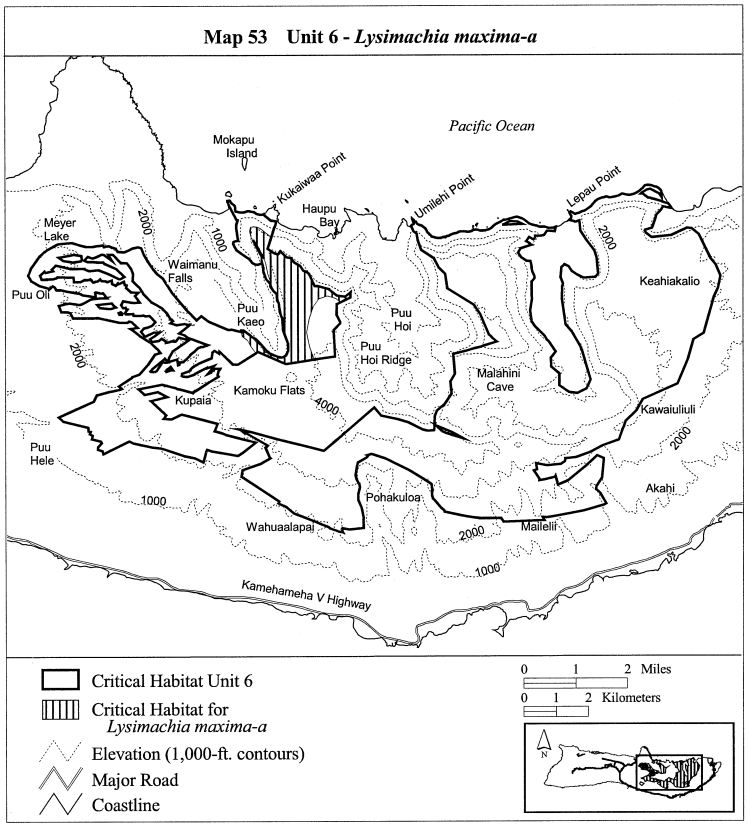
(ii) NOTE: Map 52 follows:



(53) Molokai 6—*Lysimachia maxima*—a (408 ha; 1,009 ac)

(i) Unit consists of the following 72 boundary points: Start at 715599, 2338316; 715589, 2338334; 715539, 2338372; 715436, 2338451; 715426, 2338481; 715392, 2338575; 715392, 2338634; 715480, 2338634; 715670, 2338502; 715860, 2338283; 715998, 2338166; 716086, 2338042; 716166, 2337947; 716400, 2337830; 716641, 2337772; 716787, 2337845; 716853, 2338020; 716845, 2338232; 716751, 2338473; 716692, 2338641; 716663, 2339028; 716597, 2339466; 716509, 2339773; 716378, 2339948; 716217, 2340408; 716166, 2340744; 716045, 2340987; 716035, 2340985; 715903, 2341234; 715713, 2341533; 715670, 2341730; 715691, 2341847; 715845, 2341869; 715918, 2341847; 716027, 2341789; 716247, 2341606; 716337, 2341533; 716226, 2341182; 716397, 2341056; 716537, 2341006; 716619, 2341102; 716803, 2340912; 716949, 2340883; 717034, 2340760; 717233, 2340650; 717327, 2340487; 717417, 2340471; 717512, 2340386; 717678, 2340008; 717794, 2340014; 718125, 2339916; 718212, 2339767; 718369, 2339712; 718630, 2339684; 718798, 2339820; 718794, 2339660; 718638, 2339632; 718464, 2339513; 718342, 2339634; 718072, 2339707; 717817, 2339620; 717634, 2339379; 717503, 2338992; 717430, 2338575; 717517, 2338123; 717671, 2337717; 716789, 2337580; 715922, 2337961; 715922, 2337961; 715899, 2337947; 715859, 2337922; 715692, 2338137; return to starting point.

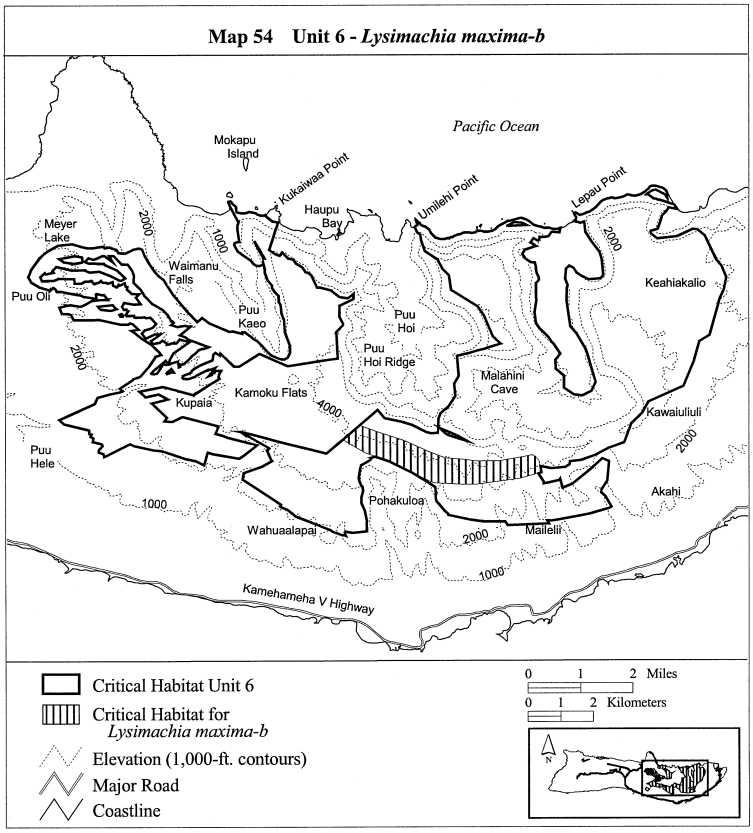
(ii) NOTE: Map 53 follows:



(54) Molokai 6—*Lysimachia maxima*—b (441 ha; 1,090 ac)

(i) Unit consists of the following 21 boundary points: Start at 718975, 2335752; 719482, 2335559; 720322, 2335289; 721118, 2334924; 721592, 2334734; 722228, 2334683; 722563, 2334639; 723243, 2334639; 724024, 2334778; 724280, 2334822; 724374, 2334778; 724499, 2334624; 724564, 2334274; 723885, 2334084; 722542, 2333909; 722191, 2333916; 721256, 2333960; 720782, 2334179; 719825, 2334654; 719139, 2334902; 718454, 2335304; return to starting point.

(ii) NOTE: Map 54 follows:

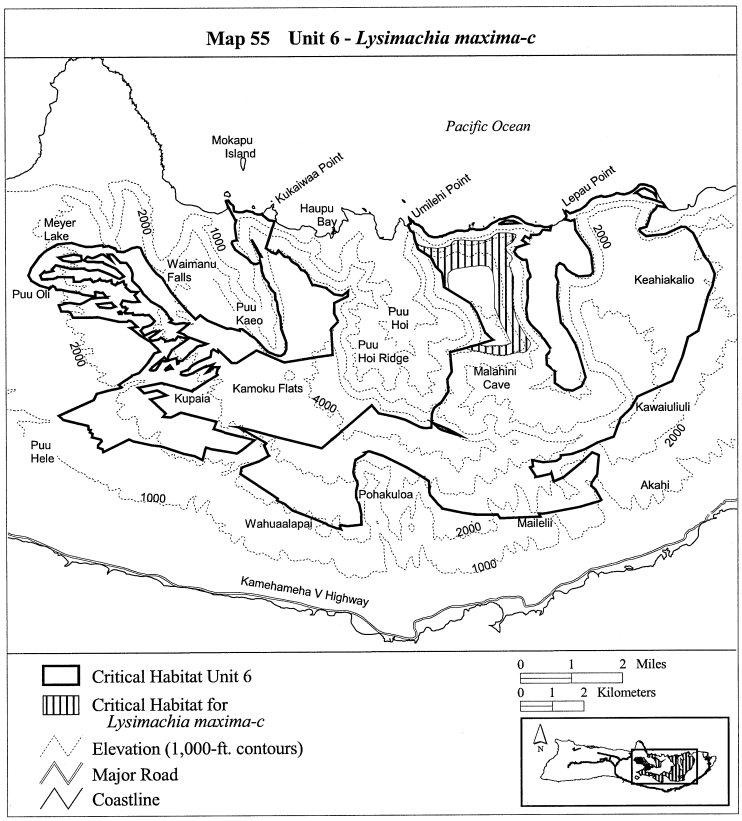


(55) Molokai 6—*Lysimachia maxima*—c (414 ha; 1,023 ac)

(i) Unit consists of the following 99 boundary points: Start at 723398, 2339253; 723381, 2339249; 723379, 2339344; 723376, 2339354; 723378, 2339355; 723371, 2339592; 723381, 2339985; 723316, 2340399; 723195, 2340566; 722958, 2340611; 722589, 2340566; 722226, 2340525; 722075, 2340480; 721933, 2340369; 721913, 2340111; 721962, 2339832; 721796, 2339934; 721815, 2340038; 721731, 2340378; 721548, 2340570; 721486, 2340778; 721475, 2340813; 720997, 2341127; 720995, 2341131; 720932, 2341305; 720944, 2341307; 721070, 2341237; 721237, 2341186; 721590, 2341156; 721802, 2341181; 721989, 2341242; 722059, 2341343; 722140, 2341398; 722256, 2341403; 722453, 2341403; 722695, 2341378; 722882, 2341378; 723043, 2341388; 723225, 2341449; 723341, 2341534; 723462, 2341625; 723659, 2341630; 723820, 2341620; 723951, 2341605; 724047, 2341565; 724017, 2341474; 723977, 2341378; 723931, 2341327; 723780, 2341242; 723735, 2341181; 723770, 2341025; 723916, 2340899; 723931, 2340793; 723871, 2340707; 723830, 2340687; 723851, 2340621; 723836, 2340621; 723911, 2340404; 723977, 2340232; 723957, 2339844; 723945, 2339508; 723957, 2339309; 724047, 2338941; 724123, 2338779; 724184, 2338658; 724295, 2338487; 724375, 2338345; 724374, 2338322; 724461, 2338239; 724492, 2338174; 724476, 2338083; 724426, 2337992; 724370, 2337896; 724234, 2337856; 724128, 2337881; 723825, 2337805; 723593, 2337775; 723381, 2337800; 723281, 2337831; 723104, 2337856; 722927, 2337891; 722776, 2337926; 722584, 2337952; 722549, 2337972; 722498, 2337972; 722463, 2338015; 722941, 2338139; 722953, 2338093; 723134, 2338068; 723281, 2338073; 723533, 2338078; 723780, 2338113; 723881, 2338169; 723836, 2338265; 723735, 2338497; 723598,

2338744; 723497, 2338966; 723437, 2339127; 723402, 2339238; return to starting point.

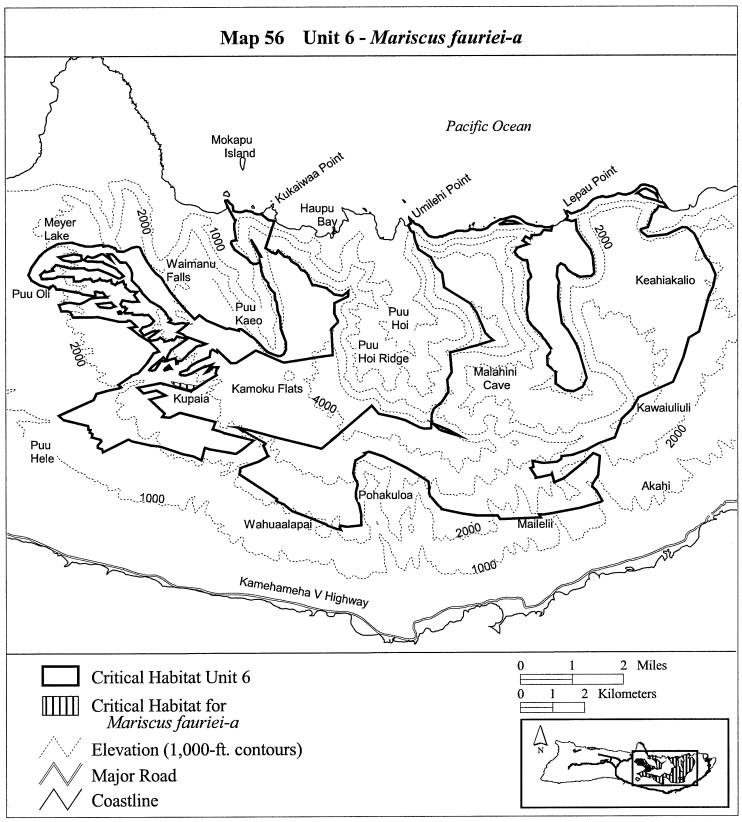
(ii) NOTE: Map 55 follows:



(56) Molokai 6—*Mariscus fauriei*—a (9 ha; 22 ac)

(i) Unit consists of the following 13 boundary points: Start at 713863, 2336745; 713857, 2336753; 713410, 2336878; 713325, 2336923; 713279, 2336986; 713376, 2336985; 713511, 2336946; 713642, 2336946; 713732, 2336895; 713879, 2336895; 714141, 2336856; 713932, 2336726; 713866, 2336753; return to starting point.

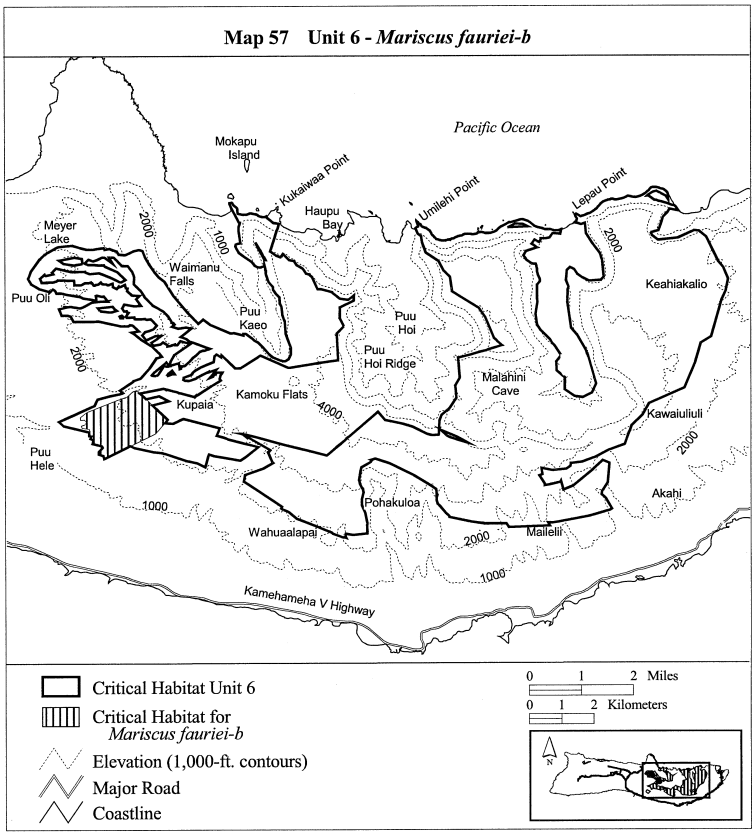
(ii) NOTE: Map 56 follows:



(57) Molokai 6—*Mariscus fauriei*—b (307 ha; 758 ac)

(i) Unit consists of the following 29 boundary points: Start at 711134, 2334784; 711103, 2334882; 710967, 2334926; 710964, 2335005; 711076, 2335127; 711056, 2335185; 710777, 2335257; 710794, 2335355; 710715, 2335416; 710729, 2335488; 710676, 2335499; 710663, 2335614; 710663, 2335614; 710691, 2335624; 710671, 2335709; 710460, 2335743; 710429, 2335804; 710542, 2335849; 710583, 2335930; 710515, 2335992; 710409, 2335978; 710392, 2336053; 710593, 2336220; 711546, 2336604; 711828, 2336689; 712019, 2336866; 712138, 2336893; 713077, 2335992; 712699, 2335566; return to starting point.

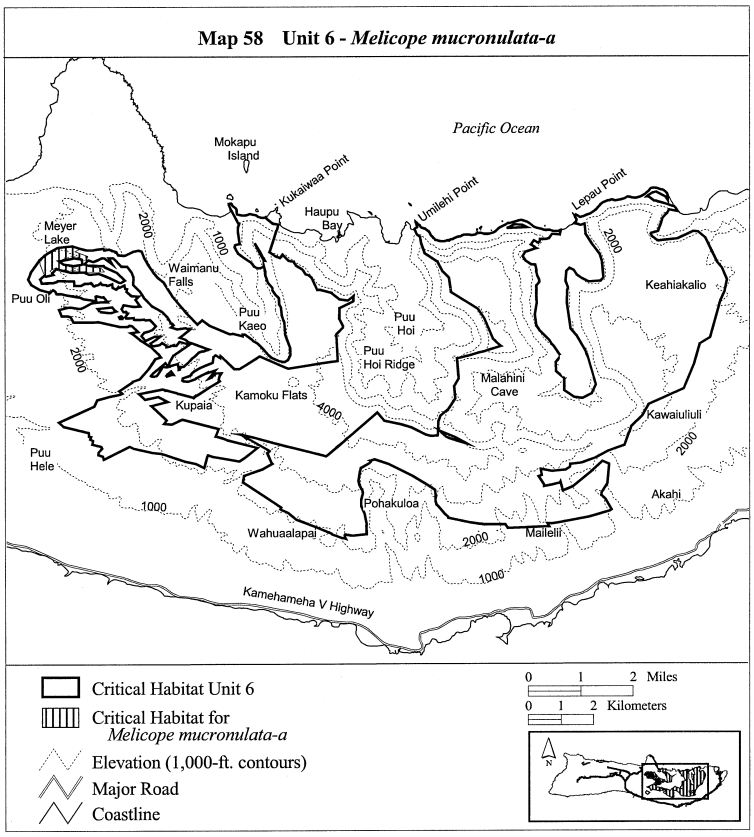
(ii) NOTE: Map 57 follows:



(58) Molokai 6—*Melicope mucronulata*—a (84 ha; 206 ac)

(i) Unit consists of the following 31 boundary points: Start at 709335, 2340440; 709281, 2340521; 709168, 2340808; 709174, 2340968; 709174, 2340969; 709403, 2341155; 709702, 2341325; 709740, 2341335; 710171, 2341369; 710202, 2341362; 710386, 2341296; 710256, 2341200; 710646, 2341064; 710595, 2340934; 710143, 2341019; 709911, 2340985; 709730, 2340923; 709899, 2340810; 710284, 2340748; 710527, 2340788; 710730, 2340737; 711052, 2340691; 711154, 2340578; 710838, 2340573; 710555, 2340573; 710278, 2340573; 709933, 2340607; 709673, 2340720; 709476, 2340618; 709582, 2340499; 709578, 2340495; return to starting point.

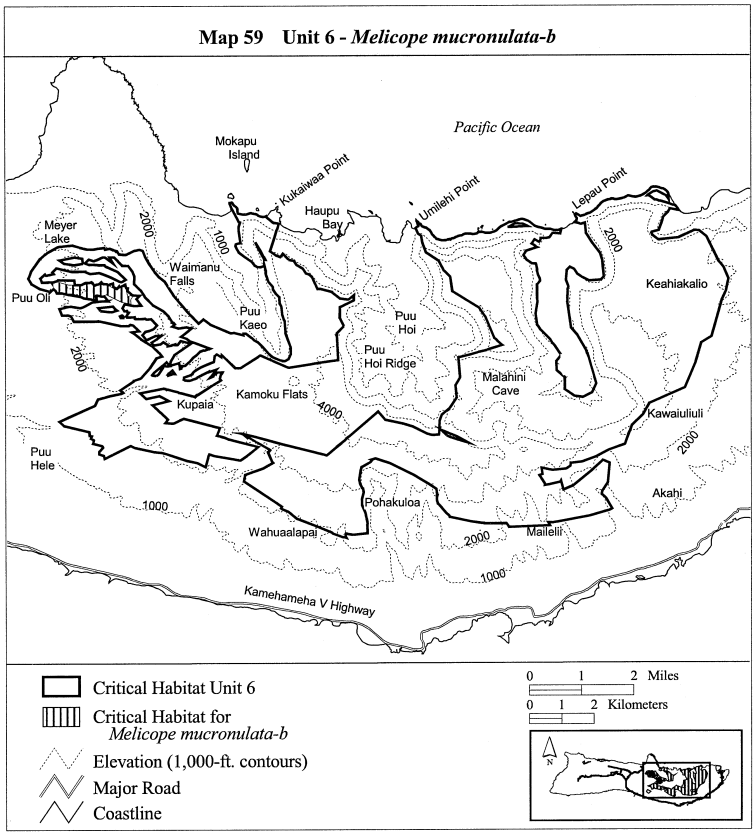
(ii) NOTE: Map 58 follows:



(59) Molokai 6—*Melicope mucronulata*—b (84 ha; 208 ac)

(i) Unit consists of the following 25 boundary points: Start at 709700, 2339897; 709487, 2340217; 709638, 2340270; 710047, 2340146; 710491, 2340155; 710740, 2340244; 710794, 2340128; 710998, 2340190; 711221, 2340173; 711496, 2340004; 711594, 2340093; 711781, 2340101; 711852, 2339799; 711914, 2339826; 712021, 2339817; 711941, 2339692; 711959, 2339568; 711665, 2339621; 711194, 2339861; 711069, 2339799; 710865, 2339861; 710847, 2339790; 710856, 2339719; 710456, 2339763; 710171, 2339879; return to starting point.

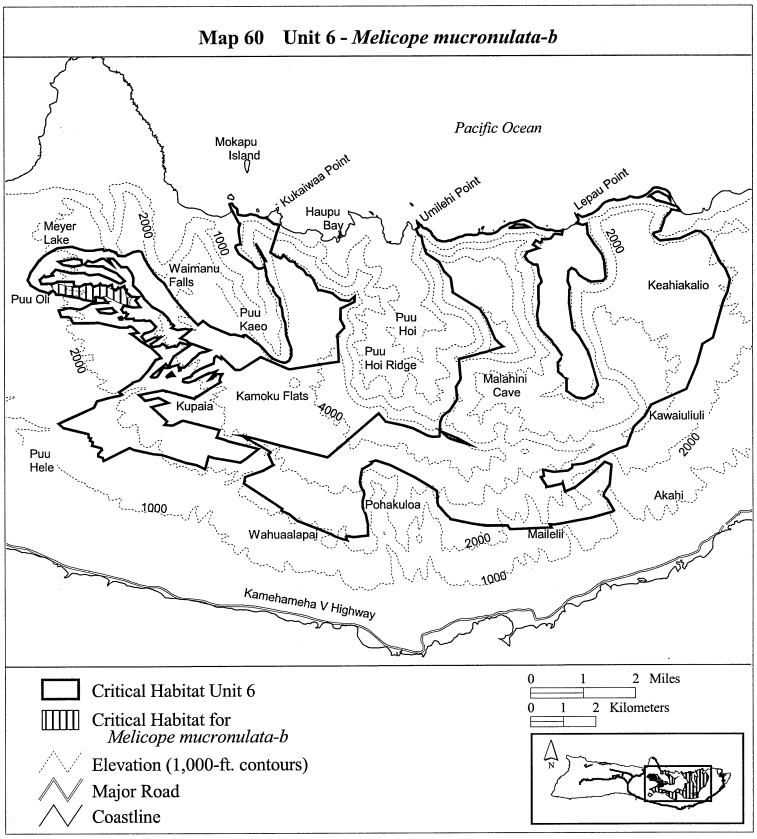
(ii) NOTE: Map 59 follows:



(60) Molokai 6—*Melicope mucronulata*—c (72 ha; 177 ac)

(i) Unit consists of the following 23 boundary points: Start at 711686, 2338887; 711563, 2338926; 711395, 2338998; 711198, 2339010; 710768, 2339040; 710356, 2339058; 710070, 2339422; 710055, 2339441; 710131, 2339465; 710391, 2339414; 710640, 2339527; 711007, 2339640; 711375, 2339651; 711539, 2339504; 710945, 2339442; 711030, 2339324; 711471, 2339278; 711346, 2339160; 711573, 2339069; 711940, 2339103; 712268, 2339092; 712279, 2338951; 711866, 2338911; return to starting point.

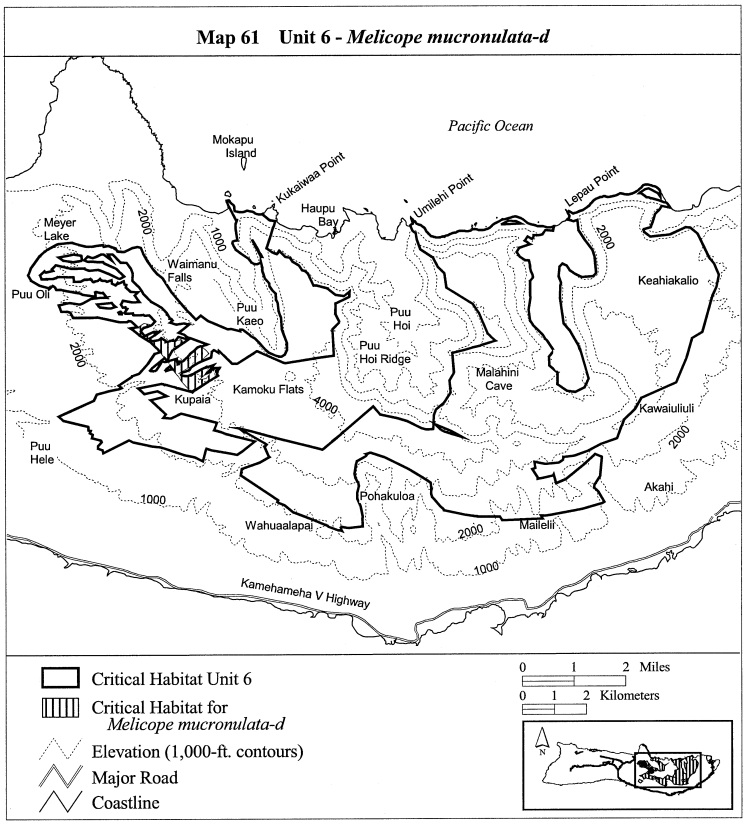
(ii) NOTE: Map 60 follows:



(61) Molokai 6—*Melicope mucronulata*—d (127 ha; 314 ac)

(i) Unit consists of the following 54 boundary points: Start at 713151, 2337624; 713032, 2337762; 712811, 2338054; 712578, 2338275; 712261, 2338472; 712052, 2338634; 711975, 2338689; 712251, 2338741; 712403, 2338838; 712635, 2338804; 712403, 2338713; 712296, 2338594; 712426, 2338453; 712686, 2338572; 712872, 2338572; 712714, 2338464; 712573, 2338368; 712646, 2338278; 712861, 2338318; 712929, 2338380; 713073, 2338297; 713070, 2338261; 713573, 2338329; 713602, 2338227; 713325, 2338097; 713161, 2337786; 713138, 2337662; 713415, 2337741; 713443, 2337560; 713669, 2337656; 713828, 2337877; 714065, 2338091; 714159, 2338128; 714322, 2338006; 714422, 2337906; 714116, 2337622; 713720, 2337413; 713483, 2337277; 713596, 2337204; 713856, 2337176; 714127, 2337374; 714421, 2337458; 714263, 2337210; 714110, 2337074; 714336, 2337119; 714517, 2337362; 714738, 2337419; 714585, 2337260; 714634, 2337162; 713969, 2336749; 713796, 2336764; 713546, 2337045; 713480, 2337164; 713315, 2337345; return to starting point.

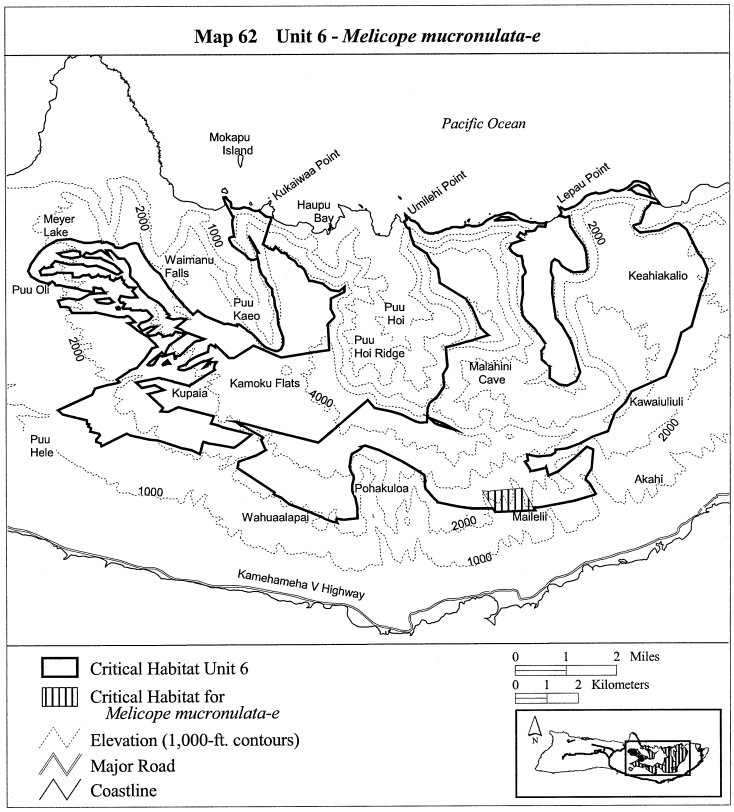
(ii) NOTE: Map 61 follows:



(62) Molokai 6—*Melicope mucronulata*—e (89 ha; 221 ac)

(i) Unit consists of the following 8 boundary points: Start at 723107, 2333319; 723177, 2333312; 723171, 2333312; 723379, 2333304; 723379, 2333312; 724393, 2333404; 724790, 2332688; 723525, 2332647; return to starting point.

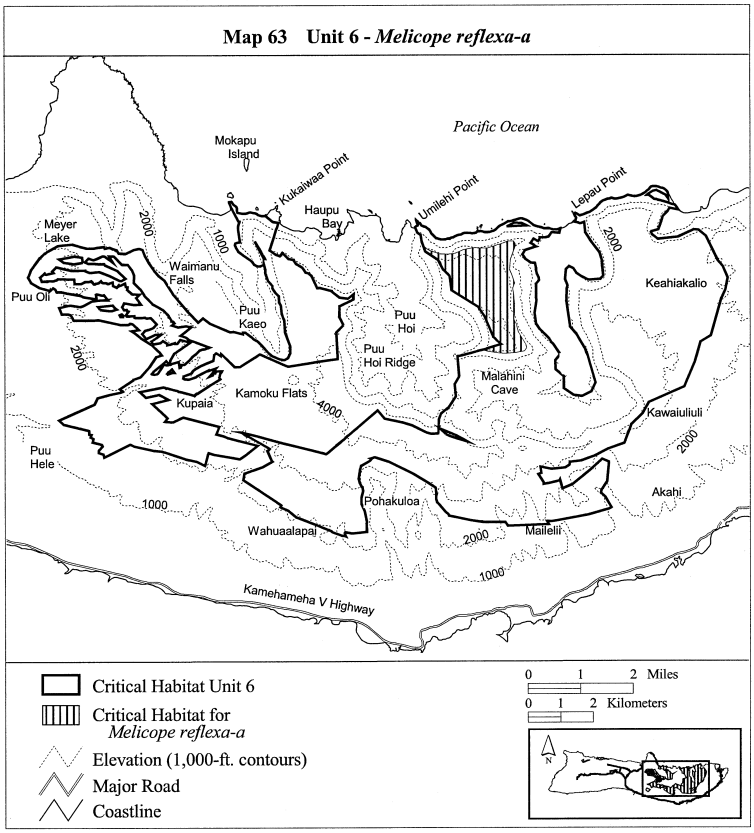
(ii) NOTE: Map 62 follows:



(63) Molokai 6—*Melicope reflexa*—a (484 ha; 1,195 ac)

(i) Unit consists of the following 58 boundary points: Start at 721122, 2341169; 721462, 2341052; 721683, 2341052; 721919, 2341079; 722176, 2341197; 722460, 2341246; 722744, 2341232; 722897, 2341232; 723209, 2341336; 723396, 2341398; 723534, 2341440; 723715, 2341447; 723770, 2341370; 723756, 2341273; 723701, 2341135; 723618, 2340892; 723611, 2340733; 723590, 2340573; 723652, 2340414; 723742, 2340150; 723687, 2339998; 723722, 2339797; 723742, 2339471; 723742, 2339193; 723715, 2339048; 723798, 2338881; 723840, 2338729; 723860, 2338639; 724082, 2338251; 724117, 2338153; 724048, 2338056; 723777, 2338008; 723465, 2337973; 723264, 2337987; 722945, 2338043; 722814, 2338070; 722795, 2338101; 723022, 2338160; 723352, 2338246; 723352, 2338246; 723352, 2338246; 723351, 2338247; 723331, 2338266; 723146, 2338429; 723088, 2338481; 722865, 2339034; 722803, 2339144; 722612, 2339432; 721796, 2339934; 721815, 2340038; 721731, 2340378; 721548, 2340570; 721486, 2340778; 721475, 2340813; 720997, 2341127; 720995, 2341131; 720966, 2341212; 721011, 2341232; return to starting point.

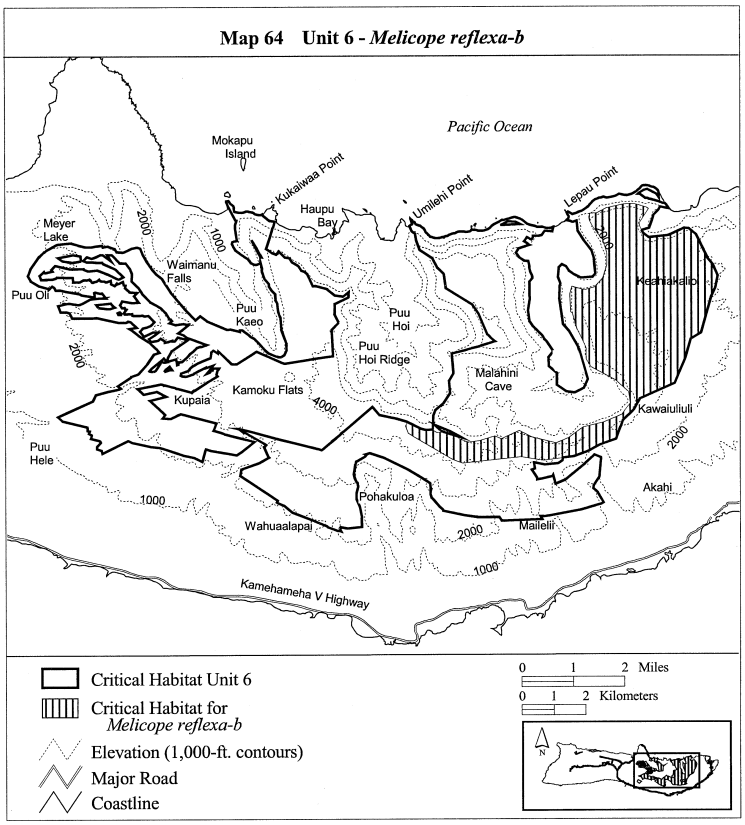
(ii) NOTE: Map 63 follows:



(64) Molokai 6—*Melicope reflexa*—b (2,226 ha; 5,500 ac)

(i) Unit consists of the following 83 boundary points: Start at 721387, 2335501; 721509, 2335424; 721760, 2335424; 722136, 2335290; 722228, 2335203; 722488, 2335115; 722822, 2335156; 723316, 2335315; 723516, 2335215; 724077, 2335474; 724470, 2335273; 725231, 2335081; 725608, 2335240; 726076, 2335574; 726712, 2335733; 727272, 2335967; 727540, 2336327; 727498, 2336679; 727088, 2337047; 726319, 2337457; 726168, 2337699; 726168, 2338051; 725875, 2338678; 725792, 2338979; 725743, 2339143; 725691, 2339180; 725658, 2339740; 725733, 2339983; 726118, 2339866; 726444, 2339958; 726695, 2340242; 726837, 2340661; 726820, 2341037; 726695, 2341430; 726519, 2341664; 726398, 2341832; 726285, 2342032; 726260, 2342150; 726293, 2342258; 726511, 2342267; 726804, 2342426; 727322, 2342543; 727581, 2342559; 727724, 2342551; 728050, 2342451; 728134, 2342400; 727832, 2341957; 727849, 2341865; 727907, 2341740; 727950, 2341648; 728125, 2341505; 728744, 2341572; 729221, 2341806; 729369, 2341792; 729593, 2341616; 729957, 2340844; 730108, 2340669; 730258, 2340309; 730192, 2339932; 730058, 2339648; 729740, 2338526; 729427, 2338327; 729264, 2337734; 728927, 2336948; 727849, 2336461; 727650, 2336110; 727313, 2335793; 727105, 2335206; 726607, 2335031; 726193, 2334817; 726193, 2334817; 725775, 2334663; 724830, 2334537; 724144, 2334654; 722304, 2334454; 722003, 2334571; 720806, 2335290; 720631, 2335399; 720539, 2335625; 720606, 2335742; 720920, 2335559; 721173, 2335498; 721387, 2335499; return to starting point.

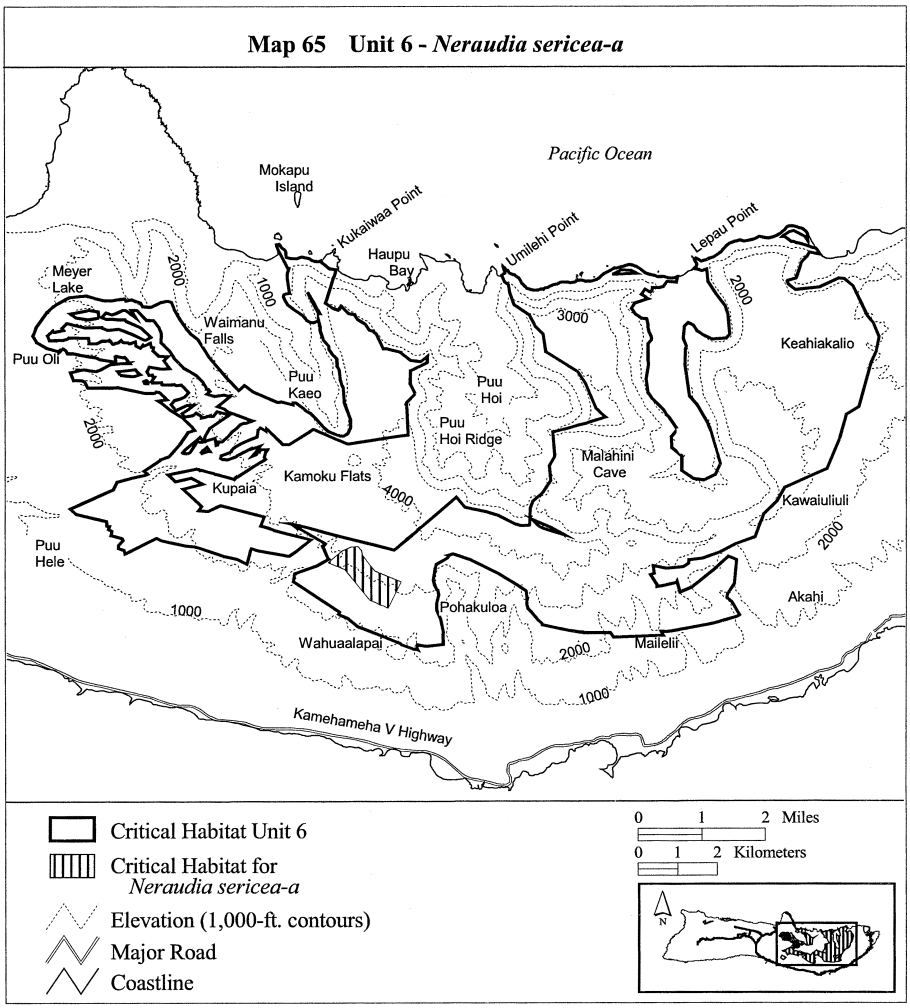
(ii) NOTE: Map 64 follows:



(65) Molokai 6—*Neraudia sericea*—a (116 ha; 286 ac)

(i) Unit consists of the following 19 boundary points: Start at 717801, 2333397; 717692, 2333442; 717579, 2333480; 717491, 2333530; 717347, 2333600; 716701, 2334383; 716295, 2334550; 716286, 2334559; 716380, 2334641; 716631, 2334855; 716863, 2334955; 717039, 2334968; 717121, 2334880; 717146, 2334754; 717341, 2334497; 717466, 2334340; 718000, 2334120; 718125, 2334064; 718129, 2334063; return to starting point.

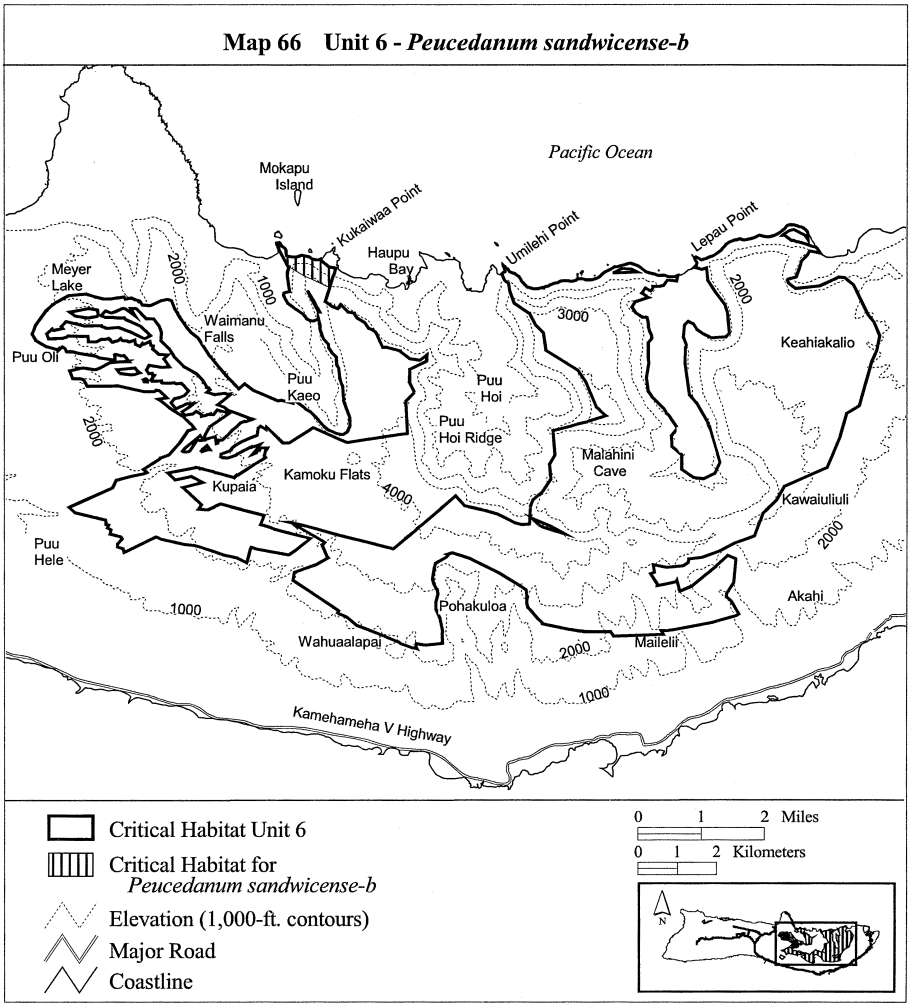
(ii) NOTE: Map 65 follows:



(66) Molokai 6—*Peucedanum sandwicense*—b (61 ha; 151 ac)

(i) Unit consists of the following 10 boundary points and the intermediate coastline: Start at 716106, 2342255; 716166, 2342156; 716323, 2342056; 716493, 2342030; 716336, 2341530; 716324, 2341534; 715896, 2341742; 715687, 2341830; 715259, 2342083; 715057, 2342471; follow coastline and return to starting point.

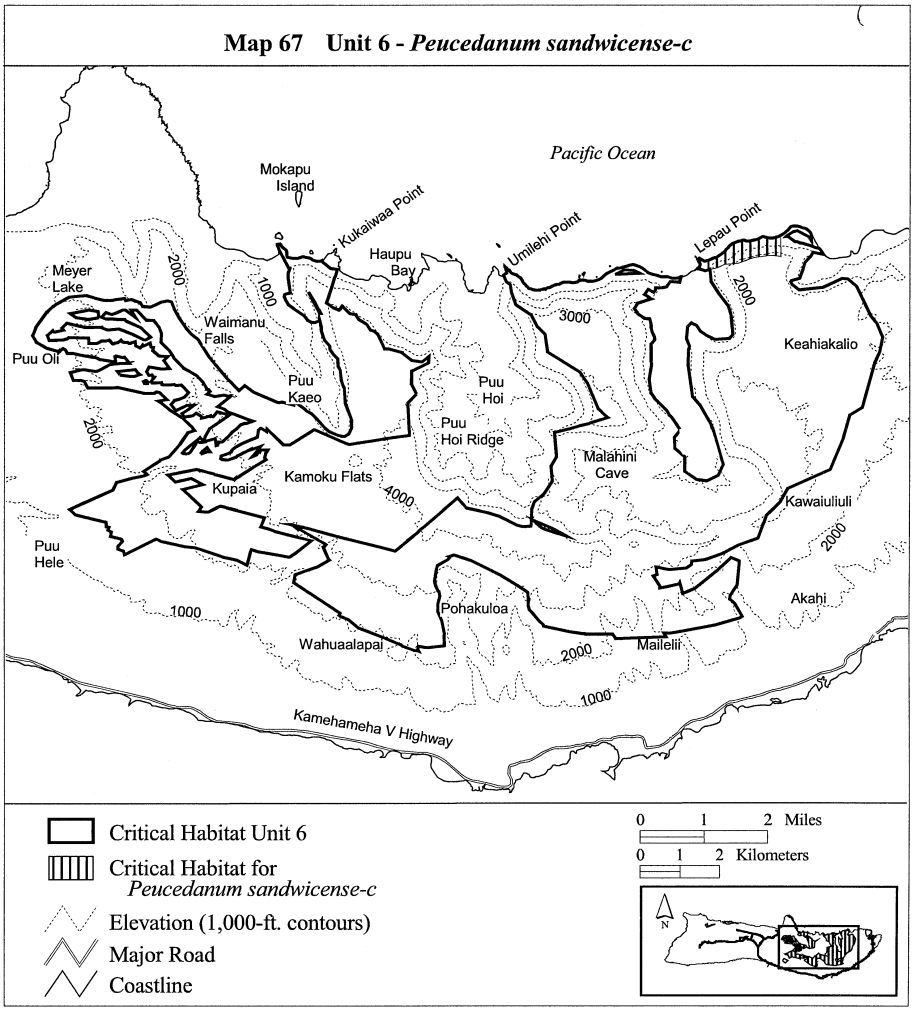
(ii) NOTE: Map 66 follows:



(67) Molokai 6—*Peucedanum sandwicense*—c (84 ha; 208 ac)

(i) Unit consists of the following 17 boundary points and the intermediate coastline: Start at 727593, 2342860; 727604, 2342849; 727663, 2342832; 727670, 2342363; 727415, 2342390; 726998, 2342335; 726592, 2342181; 726251, 2342159; 726075, 2342071; 725757, 2341995; 725581, 2342066; 725582, 2342067; 725624, 2342097; 725631, 2342109; 725630, 2342134; 725635, 2342160; 725632, 2342174; follow coastline and return to starting point.

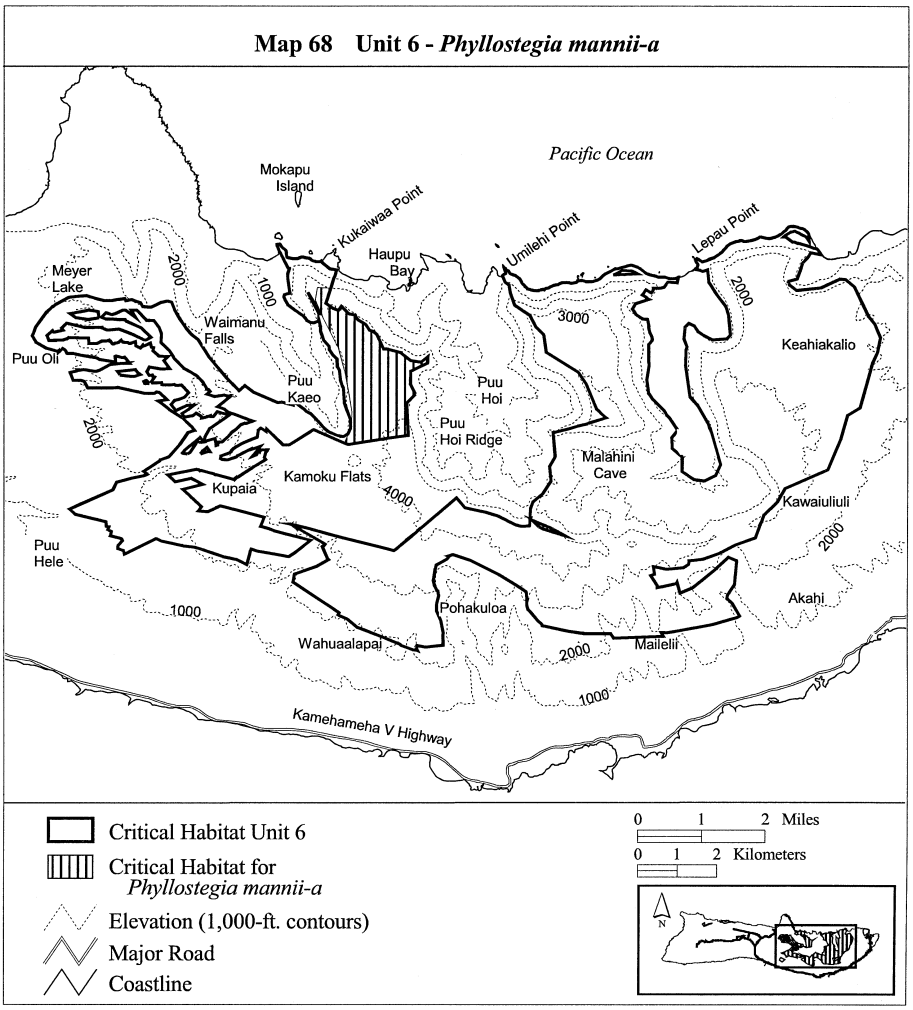
(ii) NOTE: Map 67 follows:



(68) Molokai 6—*Phyllostegia mannii*—a (480 ha; 1,185 ac)

(i) Unit consists of the following 37 boundary points: Start at 716869, 2338015; 716890, 2338405; 716806, 2338901; 716711, 2339439; 716542, 2340030; 716162, 2340801; 715962, 2341265; 716004, 2341581; 716344, 2341557; 716226, 2341182; 716397, 2341056; 716537, 2341006; 716619, 2341102; 716803, 2340912; 716949, 2340883; 717034, 2340760; 717233, 2340650; 717327, 2340487; 717417, 2340471; 717512, 2340386; 717678, 2340008; 717794, 2340014; 718125, 2339916; 718212, 2339767; 718369, 2339712; 718630, 2339684; 718798, 2339820; 718794, 2339660; 718638, 2339632; 718369, 2339448; 718361, 2339127; 718483, 2338864; 718272, 2338643; 718273, 2338203; 718311, 2337817; 716789, 2337580; 716695, 2337621; return to starting point.

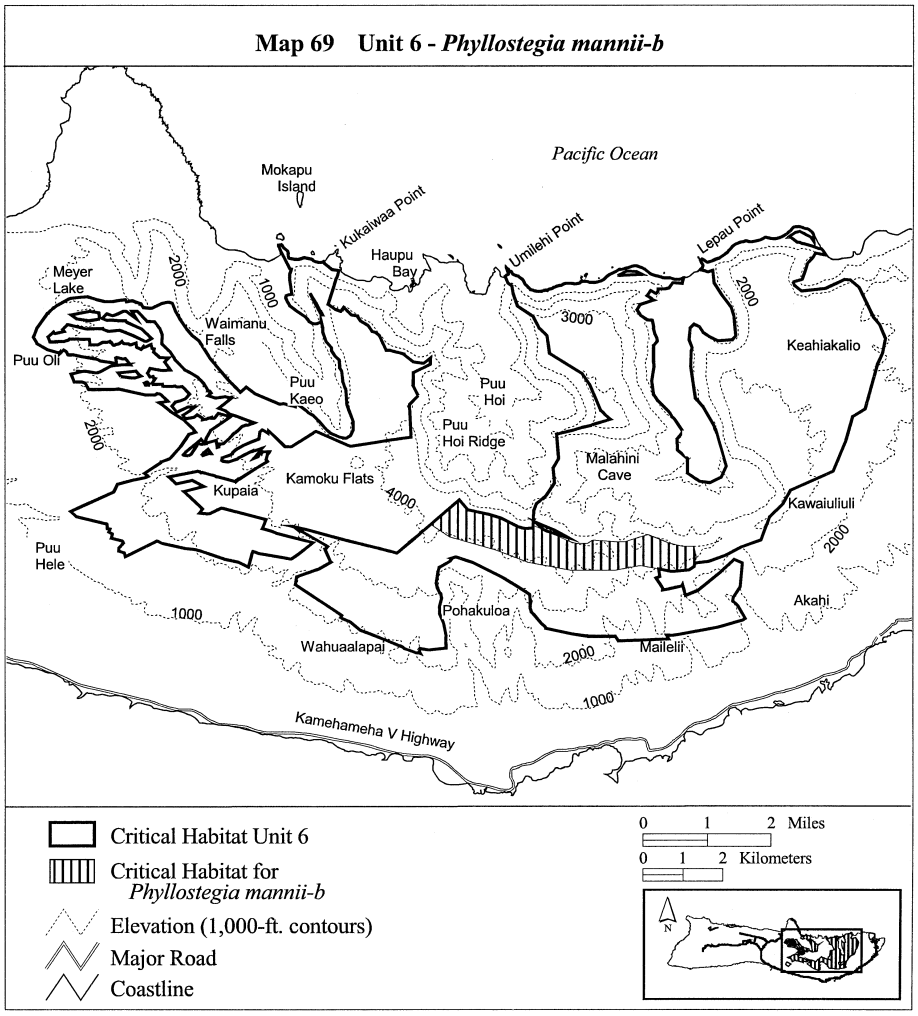
(ii) NOTE: Map 68 follows:



(69) Molokai 6—*Phyllostegia mannii*—b (496 ha; 1,226 ac)

(i) Unit consists of the following 32 boundary points: Start at 721391, 2335576; 721786, 2335398; 722335, 2335155; 722504, 2335113; 722757, 2335124; 722884, 2335208; 723517, 2335155; 723664, 2335155; 724266, 2335345; 724783, 2335134; 725131, 2335039; 725416, 2335039; 725479, 2334765; 725416, 2334532; 725289, 2334448; 724857, 2334406; 724076, 2334554; 723422, 2334427; 722314, 2334448; 721269, 2334638; 720436, 2334955; 719286, 2335282; 718807, 2335607; 719529, 2336227; 719749, 2335976; 720278, 2335860; 720611, 2335749; 720920, 2335559; 721062, 2335514; 721066, 2335513; 721173, 2335498; 721388, 2335510; return to starting point.

(ii) NOTE: Map 69 follows:

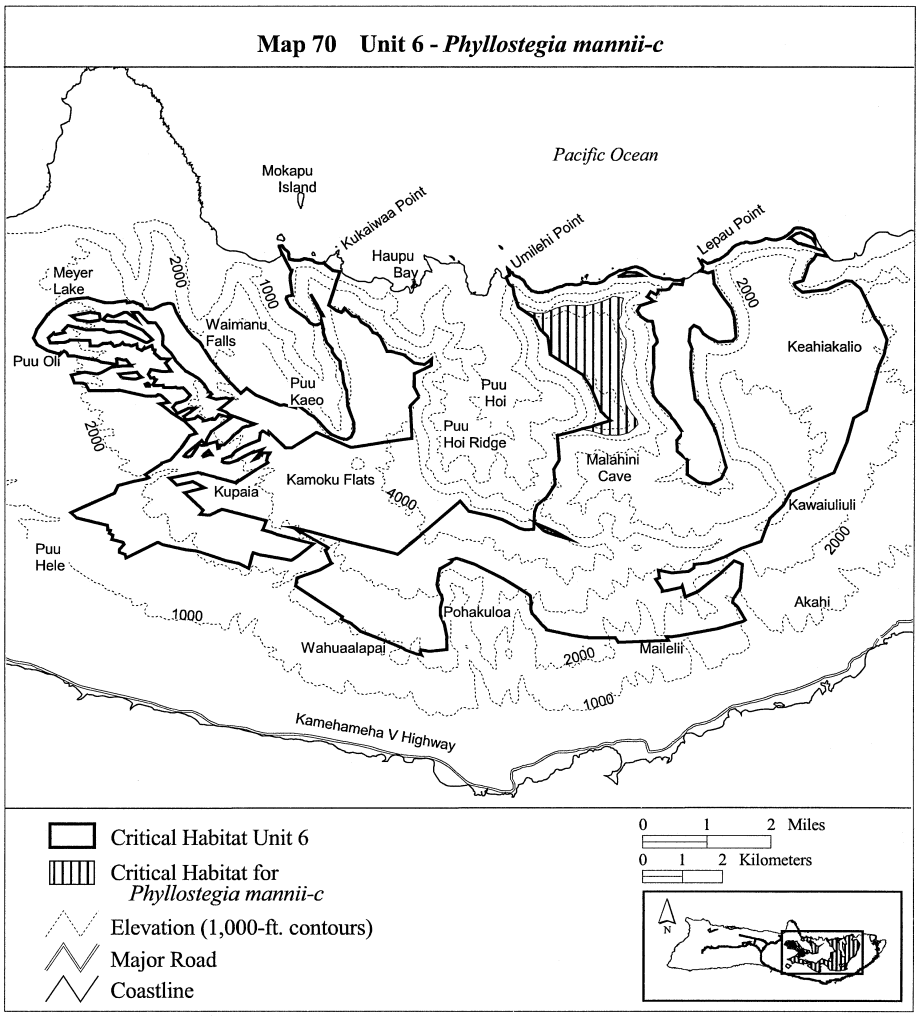


(70) Molokai 6—*Phyllostegia mannii*—c (452 ha; 1,117 ac)

(i) Unit consists of the following 61 boundary points: Start at 723531, 2340665; 723531, 2340665; 723599, 2340516; 723630, 2340429; 723723, 2340305; 723717, 2340125; 723698, 2340045; 723673, 2339815; 723605, 2339530; 723605, 2339263; 723649, 2338953; 723705, 2338693; 723835, 2338476; 723990, 2338277; 724008, 2338172; 723922, 2338066; 723773, 2337955; 723562, 2337905; 723351, 2337887; 723196, 2337887; 722805, 2337998; 722619, 2338035; 722603, 2338052; 723022, 2338160; 723352, 2338246; 723352, 2338246; 723352, 2338246; 723351, 2338247; 723331, 2338266; 723146, 2338429; 723088, 2338481; 722865, 2339034; 722803, 2339144; 722612, 2339432; 721796, 2339934; 721815, 2340038; 721731, 2340378; 721548, 2340570; 721486, 2340778; 721475, 2340813; 721196, 2340996; 721237, 2341043; 721361, 2340999; 721454, 2340975; 721689, 2340987; 721931, 2341099; 722148, 2341161; 722303, 2341185; 722464, 2341179; 722669, 2341167; 722886, 2341204; 723115, 2341278; 723289, 2341347; 723388, 2341409; 723611, 2341371; 723642, 2341353; 723605, 2341223; 723599, 2341068;

723587, 2340925; 723518, 2340782; 723543, 2340665; return to starting point.

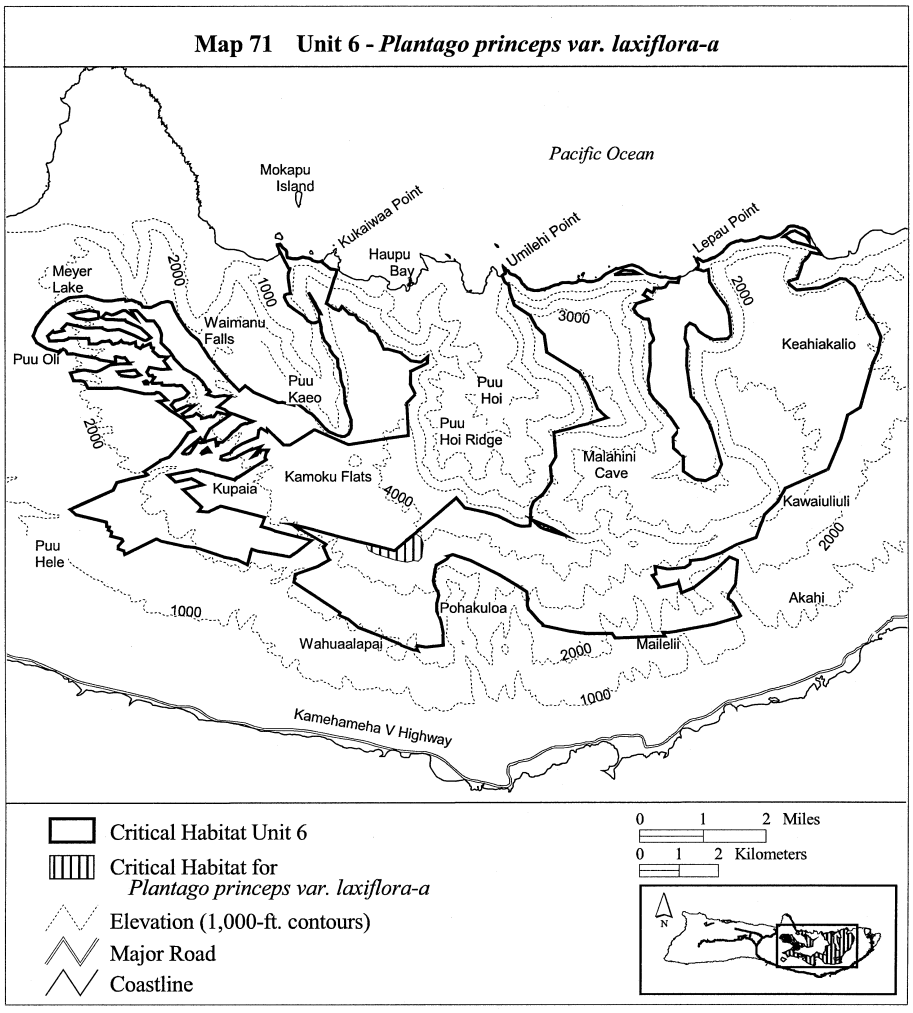
(ii) NOTE: Map 70 follows:



(71) Molokai 6—*Plantago princeps*—a (52 ha; 129 ac)

(i) Unit consists of the following 18 boundary points: Start at 717295, 2334884; 717244, 2334999; 717248, 2335060; 717948, 2334879; 717956, 2334877; 718173, 2335063; 718196, 2335083; 718480, 2335327; 718487, 2335324; 718623, 2335225; 718692, 2335058; 718669, 2334831; 718654, 2334694; 718555, 2334611; 718441, 2334618; 718274, 2334580; 717971, 2334633; 717492, 2334793; return to starting point.

(ii) NOTE: Map 71 follows:

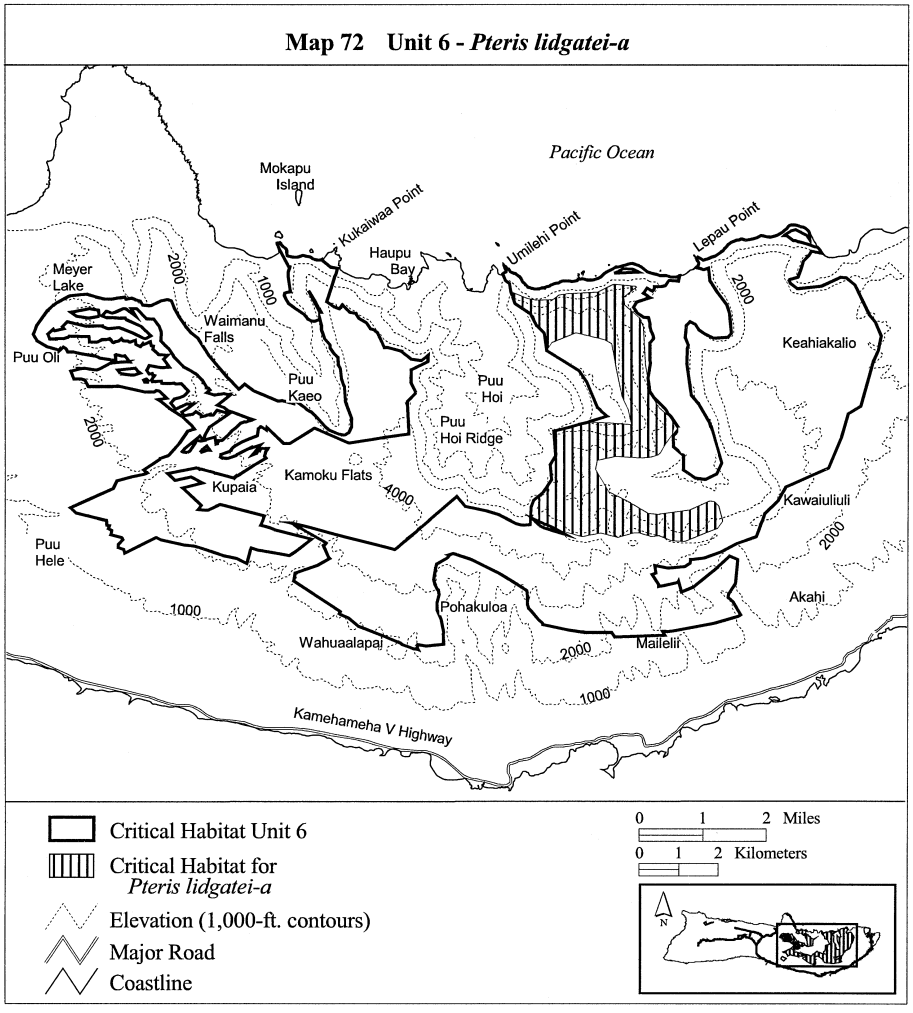


(72) Molokai 6—*Pteris lidgatei*—a (1,227 ha; 3,031 ac)

(i) Unit consists of the following 80 boundary points: Start at 723445, 2340106; 723260, 2340220; 722544, 2340390; 721922, 2340143; 721803, 2339930; 721731, 2340378; 721548, 2340570; 721486, 2340778; 721475, 2340813; 720997, 2341127; 720995, 2341131; 720883, 2341439; 721294, 2341263; 721528, 2341222; 721947, 2341235; 722100, 2341344; 722233, 2341375; 722232, 2341368; 722323, 2341386; 723080, 2341420; 723496, 2341619; 724036, 2341574; 724064, 2341546; 723750, 2341295; 723771, 2341089; 724145, 2340764; 724235, 2340541; 724295, 2339594; 724406, 2338835; 724644, 2338479; 724933, 2338228; 725017, 2338008; 724961, 2337795; 724790, 2337537; 724672, 2337327; 724612, 2337279; 724393, 2337216; 724159, 2337205; 723555, 2337244; 723081, 2337145; 723038, 2336915; 723379, 2336344; 723830, 2336114; 724367, 2335790; 724657, 2335771; 724657, 2335773; 725406, 2335875; 725917, 2336114; 726037, 2336097; 726147, 2335977; 726250, 2335603; 726122, 2335424; 725892, 2335339; 725287, 2335083; 724946, 2335109; 724631, 2335236; 724452, 2335211; 724146, 2335296;

723984, 2335296; 723600, 2335177; 723175, 2335296; 722689, 2335211; 722152, 2335364; 721398, 2335722; 721410, 2335958; 721470, 2336127; 721713, 2336326; 721929, 2336656; 721893, 2337028; 722035, 2337272; 721980, 2337890; 722904, 2338129; 722913, 2338109; 722924, 2338113; 723426, 2338095; 723943, 2338048; 723898, 2338235; 723856, 2338440; 723711, 2338763; 723549, 2339479; return to starting point.

(ii) NOTE: Map 72 follows:

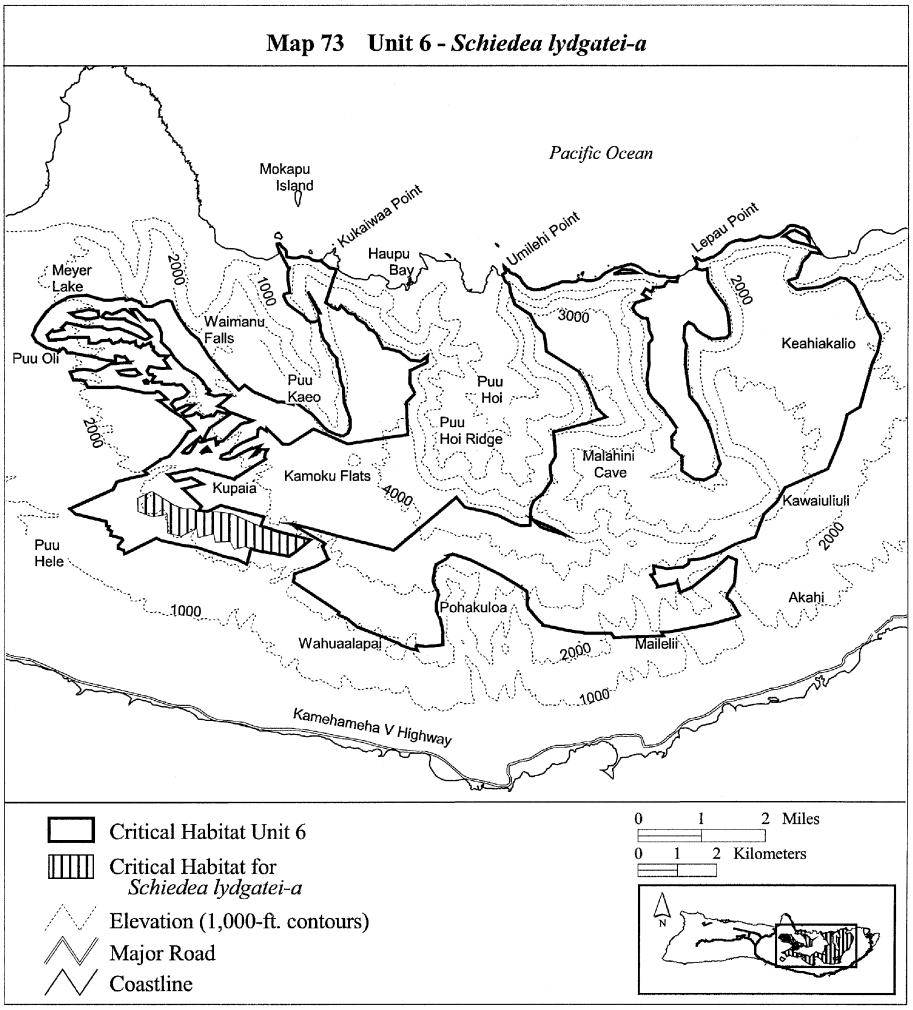


(73) Molokai 6—*Schiedea lydgatei*—a (261 ha; 645 ac)

(i) Unit consists of the following 30 boundary points: Start at 714170, 2334964; 713902, 2334907; 713797, 2335102; 713416, 2335086; 713375, 2335296; 712986, 2335199; 712946, 2335434; 712548, 2335232; 712208, 2335321; 712191, 2335791; 711827, 2335726; 711462, 2335864; 711444, 2336201; 711819, 2336380; 712392, 2336016; 712634, 2335930; 712816, 2335930; 713078, 2335882;

713513, 2335857; 713845, 2335807; 714450, 2335533; 714788, 2335442; 714911, 2335383; 715195, 2335308; 715838, 2335147; 715840, 2335147; 715467, 2334842; 715299, 2334721; 715010, 2334771; 714498, 2334867; return to starting point.

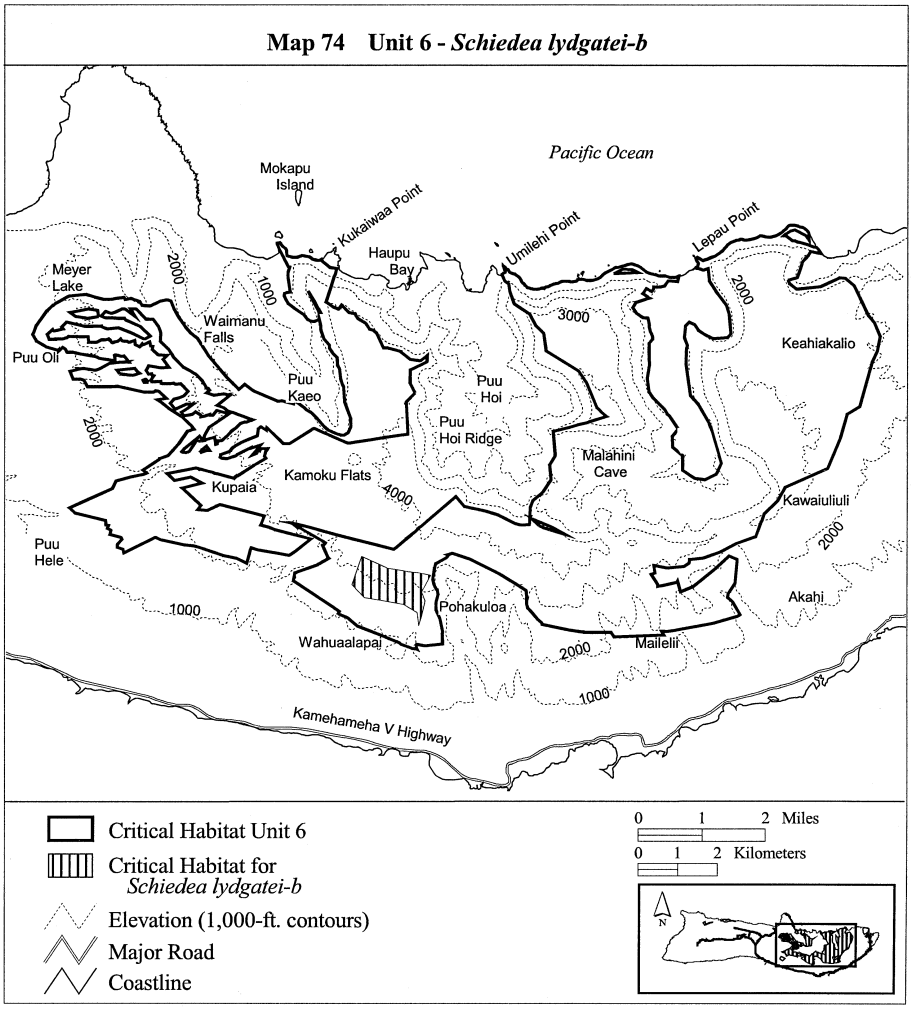
(ii) NOTE: Map 73 follows:



(74) Molokai 6—*Schiedea lydgatei*—b (163 ha; 403 ac)

(i) Unit consists of the following 16 boundary points: Start at 717142, 2334694; 717649, 2334467; 717799, 2334397; 718083, 2334354; 718335, 2334311; 718582, 2334274; 718897, 2334216; 718662, 2333788; 718751, 2333561; 718662, 2333172; 718585, 2332948; 718548, 2333269; 718208, 2333472; 717608, 2333577; 717202, 2333650; 716886, 2333975; return to starting point.

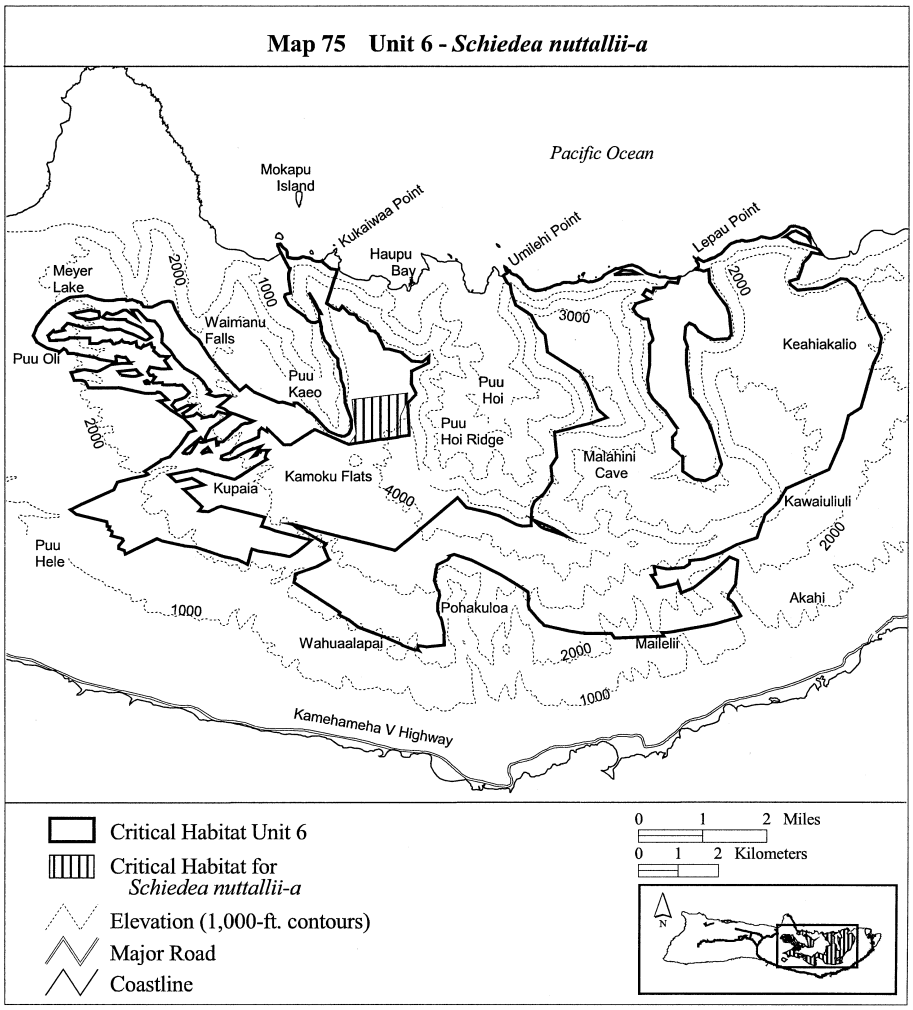
(ii) NOTE: Map 74 follows:



(75) Molokai 6—*Schiedea nuttallii*—a (138 ha; 341 ac)

(i) Unit consists of the following 11 boundary points: Start at 716789, 2337580; 716978, 2337857; 716937, 2338109; 716872, 2338694; 716865, 2338724; 718265, 2338899; 718271, 2338719; 718092, 2338312; 718084, 2337808; 718087, 2337782; 716789, 2337580; return to starting point.

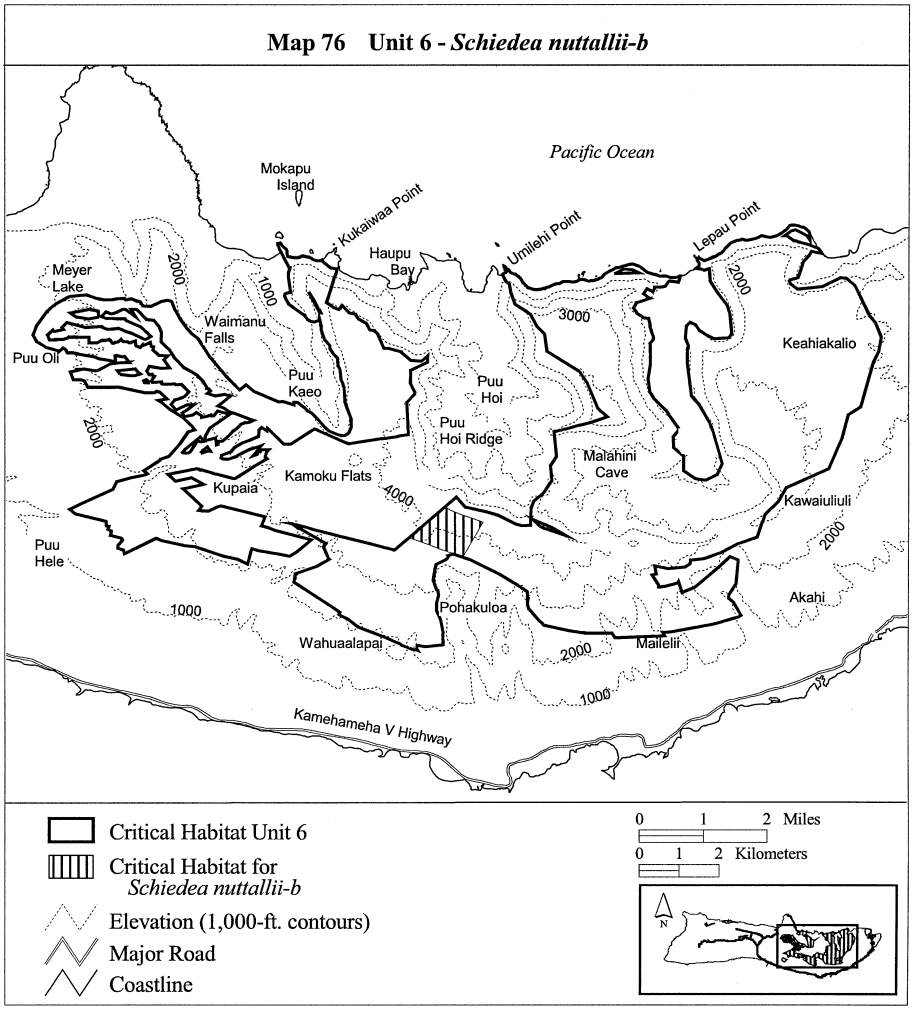
(ii) NOTE: Map 75 follows:



(76) Molokai 6—*Schiedea nuttallii*—b (127 ha; 313 ac)

(i) Unit consists of the following 9 boundary points: Start at 719243, 2335981; 719377, 2335889; 719629, 2335799; 720198, 2335594; 719706, 2334719; 719336, 2334824; 719149, 2334897; 718824, 2335019; 718326, 2335195; return to starting point.

(ii) NOTE: Map 76 follows:

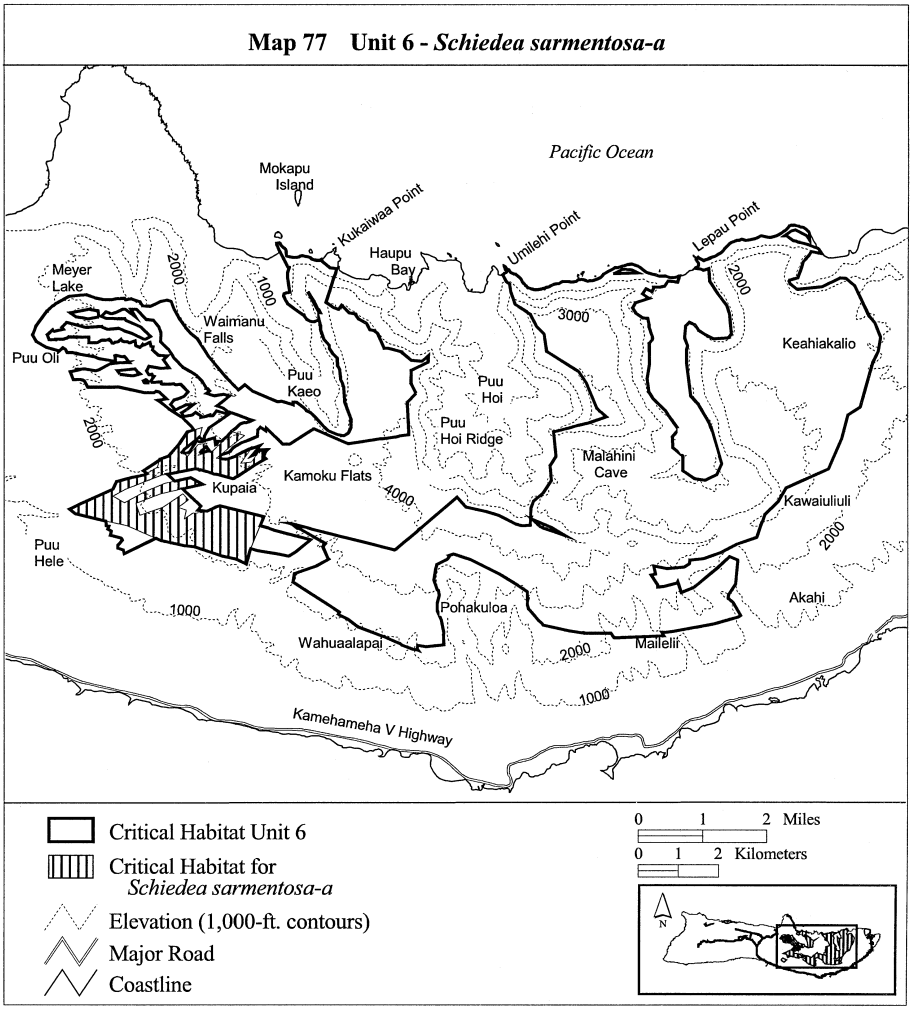


(77) Molokai 6—*Schiedea sarmentosa*—a (608 ha; 1,502 ac)

(i) Unit consists of the following 69 boundary points: Start at 713966, 2334650; 713788, 2334691; 713615, 2334727; 713388, 2334805; 712981, 2334936; 712897, 2334972; 712639, 2334989; 712070, 2335120; 711195, 2335499; 710655, 2335616; 709885, 2335800; 709748, 2335926; 710043, 2336068; 710830, 2336433; 710920, 2336613; 711297, 2336725; 711647, 2336798; 711968, 2336987; 712027, 2337192; 712260, 2337279; 712508, 2337556; 712727, 2337892; 713103, 2338002; 713052, 2337770; 712568, 2337381; 712726, 2337266; 713010, 2337570; 713220, 2337591; 713010, 2337297; 713378, 2337402; 713872, 2337886; 714166, 2337802; 713462, 2337213; 713693, 2337171; 714302, 2337413; 714071, 2337087; 714344, 2337118; 714523, 2337371; 714712, 2337413; 714649, 2337223; 714705, 2337206; 713885, 2336698; 713409, 2336824; 713242, 2336872; 712968, 2336950; 712064, 2336782; 711160, 2336425; 710834, 2336246; 711129, 2336088; 711654, 2336362; 712169, 2336582; 712821, 2336719; 713104, 2336561; 712053, 2336309; 711423, 2336067; 711517, 2335773; 712106, 2335973; 712610, 2336309;

712758, 2336162; 712505, 2335973; 712705, 2335889; 712652, 2335679; 712863, 2335815; 713115, 2335826; 713441, 2335973; 713554, 2336015; 714666, 2335727; 714306, 2334848; 714212, 2334524; return to starting point.

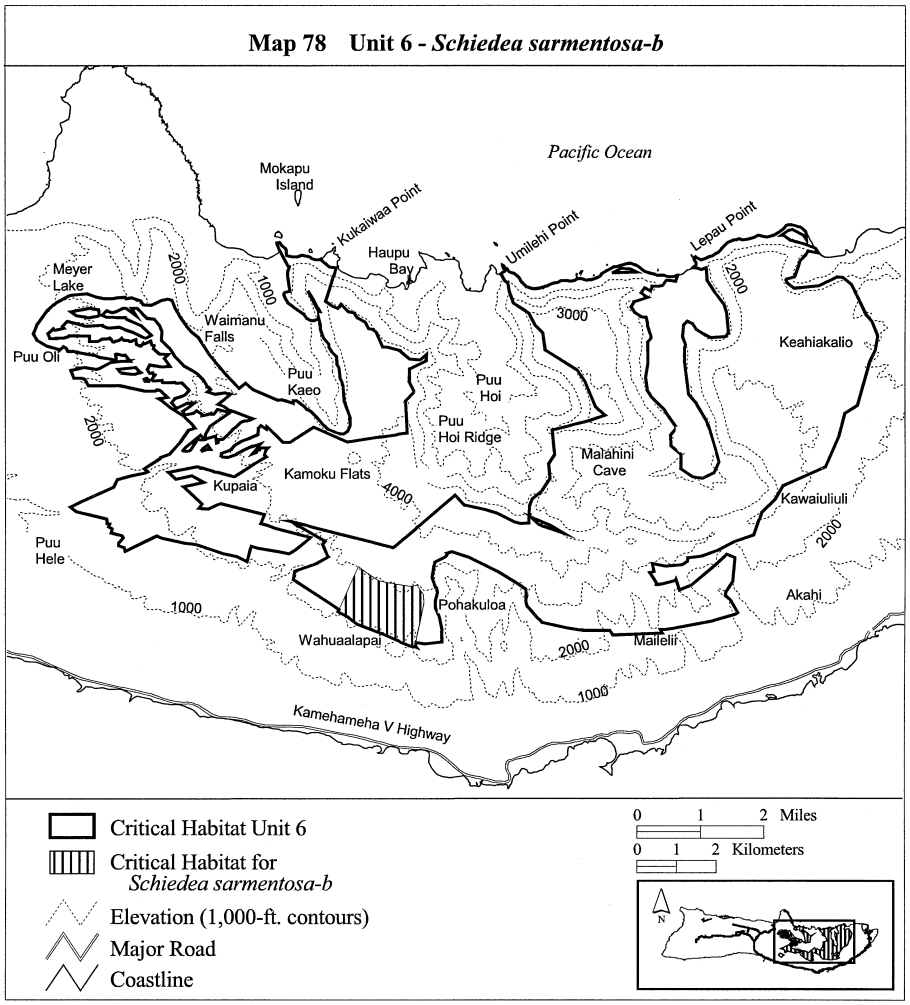
(ii) NOTE: Map 77 follows:



(78) Molokai 6—*Schiedea sarmentosa*—b (266 ha; 657 ac)

(i) Unit consists of the following 28 boundary points: Start at 717066, 2334401; 717233, 2334267; 717586, 2334045; 717849, 2333974; 718082, 2333944; 718381, 2333890; 718442, 2333895; 718444, 2333903; 718564, 2333925; 718720, 2333686; 718734, 2333470; 718650, 2333017; 718566, 2332647; 718524, 2332368; 718544, 2332329; 718510, 2332337; 718423, 2332353; 718140, 2332456; 718106, 2332490; 717980, 2332538; 717741, 2332640; 717257, 2332837; 717029, 2332921; 716778, 2333118; 716581, 2333214; 716538, 2333243; 716559, 2333270; 716896, 2334032; return to starting point.

(ii) NOTE: Map 78 follows:

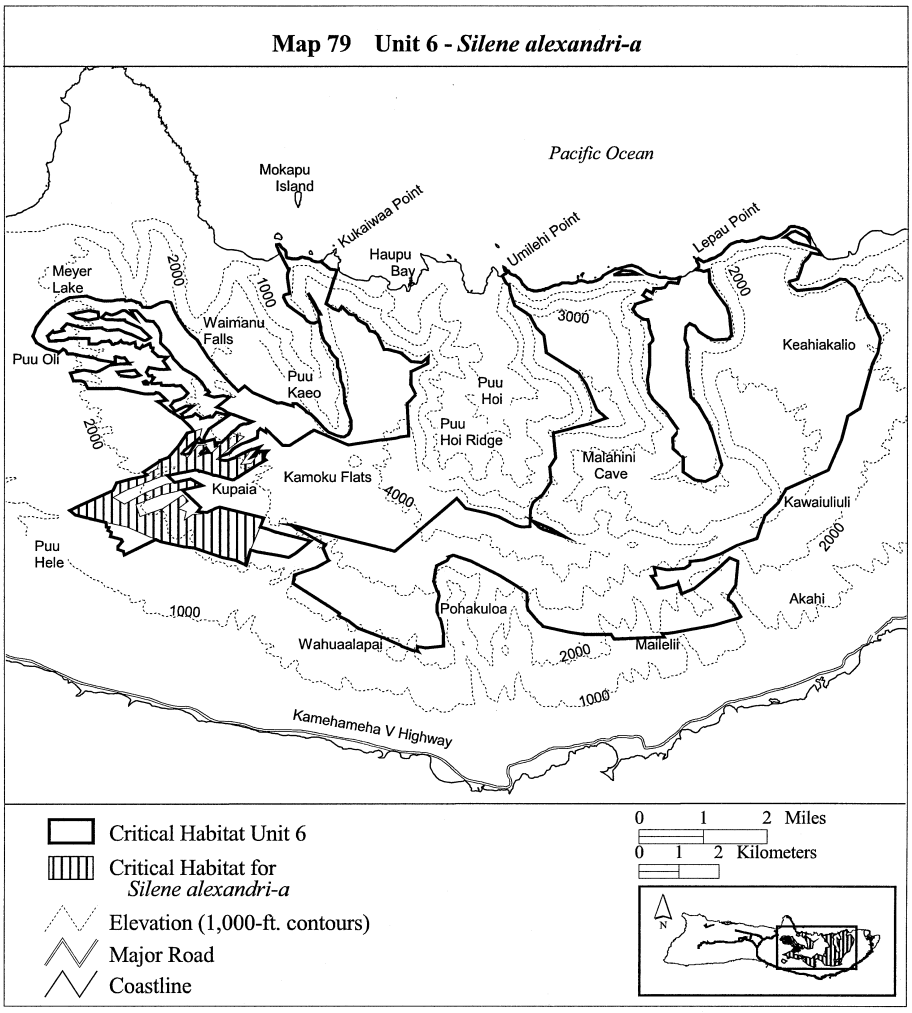


(79) Molokai 6—*Silene alexandri*—a (608 ha; 1,502 ac)

(i) Unit consists of the following 69 boundary points: Start at 713966, 2334650; 713788, 2334691; 713615, 2334727; 713388, 2334805; 712981, 2334936; 712897, 2334972; 712639, 2334989; 712070, 2335120; 711195, 2335499; 710655, 2335616; 709885, 2335800; 709748, 2335926; 710043, 2336068; 710830, 2336433; 710920, 2336613; 711297, 2336725; 711647, 2336798; 711968, 2336987; 712027, 2337192; 712260, 2337279; 712508, 2337556; 712727, 2337892; 713103, 2338002; 713052, 2337770; 712568, 2337381; 712726, 2337266; 713010, 2337570; 713220, 2337591; 713010, 2337297; 713378, 2337402; 713872, 2337886; 714166, 2337802; 713462, 2337213; 713693, 2337171; 714302, 2337413; 714071, 2337087; 714344, 2337118; 714523, 2337371; 714712, 2337413; 714649, 2337223; 714705, 2337206; 713885, 2336698; 713409, 2336824; 713242, 2336872; 712968, 2336950; 712064,

2336782; 711160, 2336425; 710834, 2336246; 711129, 2336088; 711654, 2336362; 712169, 2336582; 712821, 2336719; 713104, 2336561; 712053, 2336309; 711423, 2336067; 711517, 2335773; 712106, 2335973; 712610, 2336309; 712758, 2336162; 712505, 2335973; 712705, 2335889; 712652, 2335679; 712863, 2335815; 713115, 2335826; 713441, 2335973; 713554, 2336015; 714666, 2335727; 714306, 2334848; 714212, 2334524; return to starting point.

(ii) NOTE: Map 79 follows:

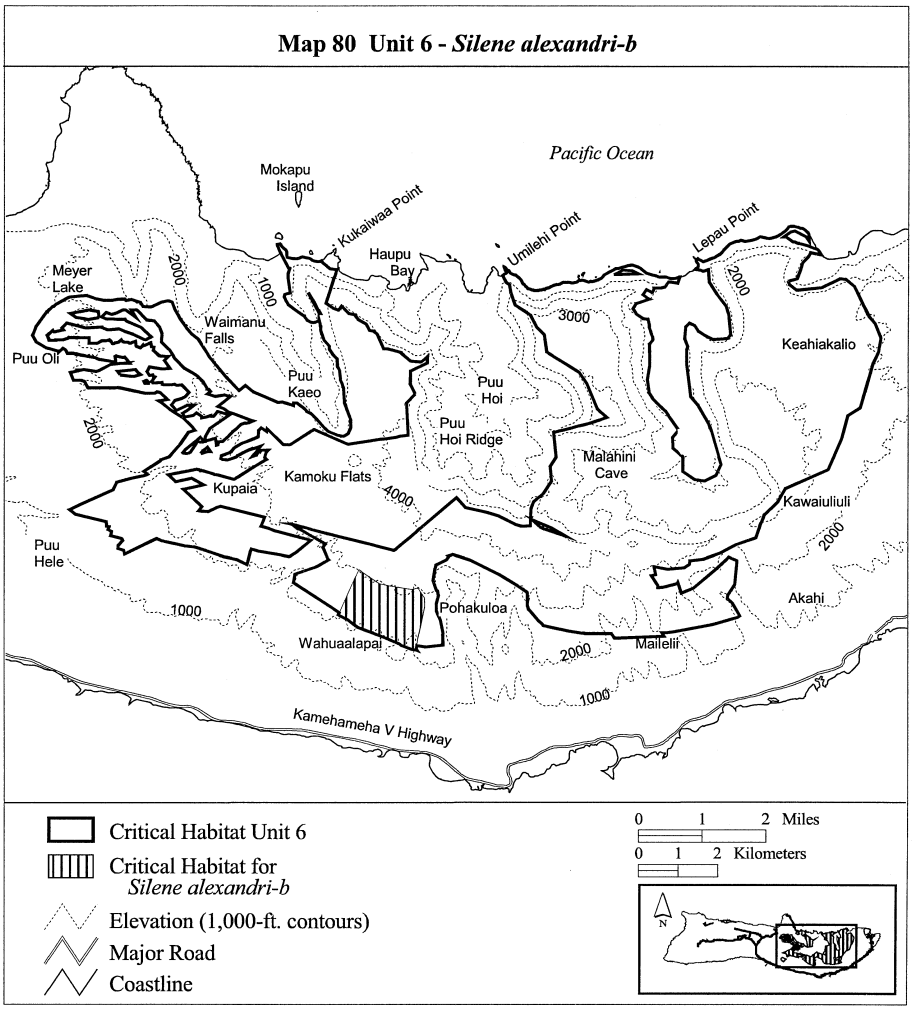


(80) Molokai 6—*Silene alexandri*—b (266 ha; 657 ac)

(i) Unit consists of the following 28 boundary points: Start at 717066, 2334401; 717233, 2334267; 717586, 2334045; 717849, 2333974; 718082, 2333944; 718381, 2333890; 718442, 2333895; 718444, 2333903; 718564, 2333925; 718720, 2333686; 718734, 2333470; 718650, 2333017; 718566, 2332647; 718524, 2332368; 718544, 2332329; 718510, 2332337; 718423, 2332353; 718140, 2332456;

718106, 2332490; 717980, 2332538; 717741, 2332640; 717257, 2332837; 717029, 2332921; 716778, 2333118; 716581, 2333214; 716538, 2333243; 716559, 2333270; 716896, 2334032; return to starting point.

(ii) NOTE: Map 80 follows:

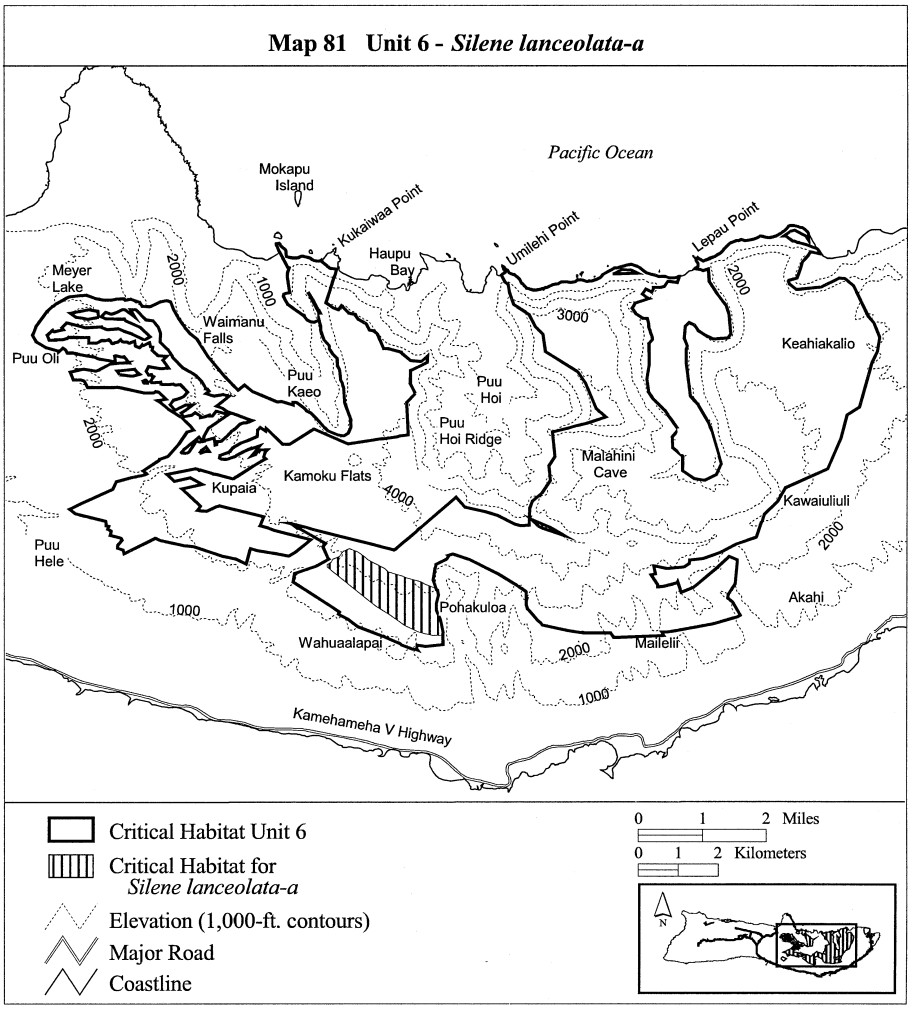


(81) Molokai 6—*Silene lanceolata*—a (289 ha; 714 ac)

(i) Unit consists of the following 33 boundary points: Start at 716266, 2334444; 716261, 2334516; 716359, 2334579; 716396, 2334646; 716504, 2334687; 716572, 2334713; 716655, 2334838; 716826, 2334915; 717038, 2334833; 717215, 2334703; 717292, 2334620; 717712, 2334413; 717800, 2334325; 718184, 2334200; 718262, 2334164; 718645, 2334060; 718728, 2334014; 718951, 2333920; 719060, 2333843; 719075, 2333754; 719029, 2333532; 719034, 2333329; 719138, 2333091; 719195, 2332759; 719174, 2332707; 719127, 2332687; 718946, 2332692; 718728, 2332749; 718578, 2332780; 718225, 2332946; 717852,

2333210; 717505, 2333428; 717256, 2333630; return to starting point.

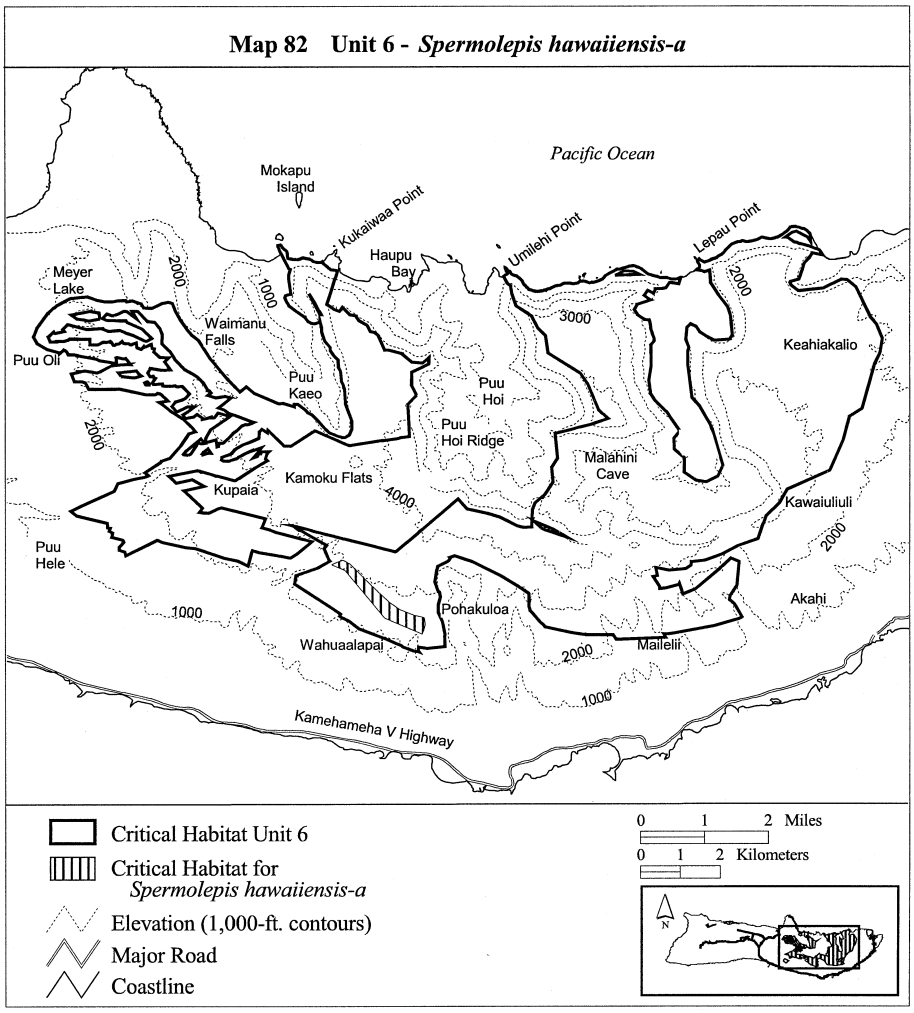
(ii) NOTE: Map 81 follows:



(82) Molokai 6—*Spermolepis hawaiiensis*—a (85 ha; 211 ac)

(i) Unit consists of the following 15 boundary points: Start at 716625, 2334674; 716813, 2334572; 717300, 2334062; 717795, 2333591; 718070, 2333402; 718415, 2333269; 718674, 2333206; 718698, 2333025; 718659, 2332868; 718629, 2332777; 717686, 2333184; 716684, 2334404; 716364, 2334553; 716353, 2334564; 716460, 2334611; return to starting point.

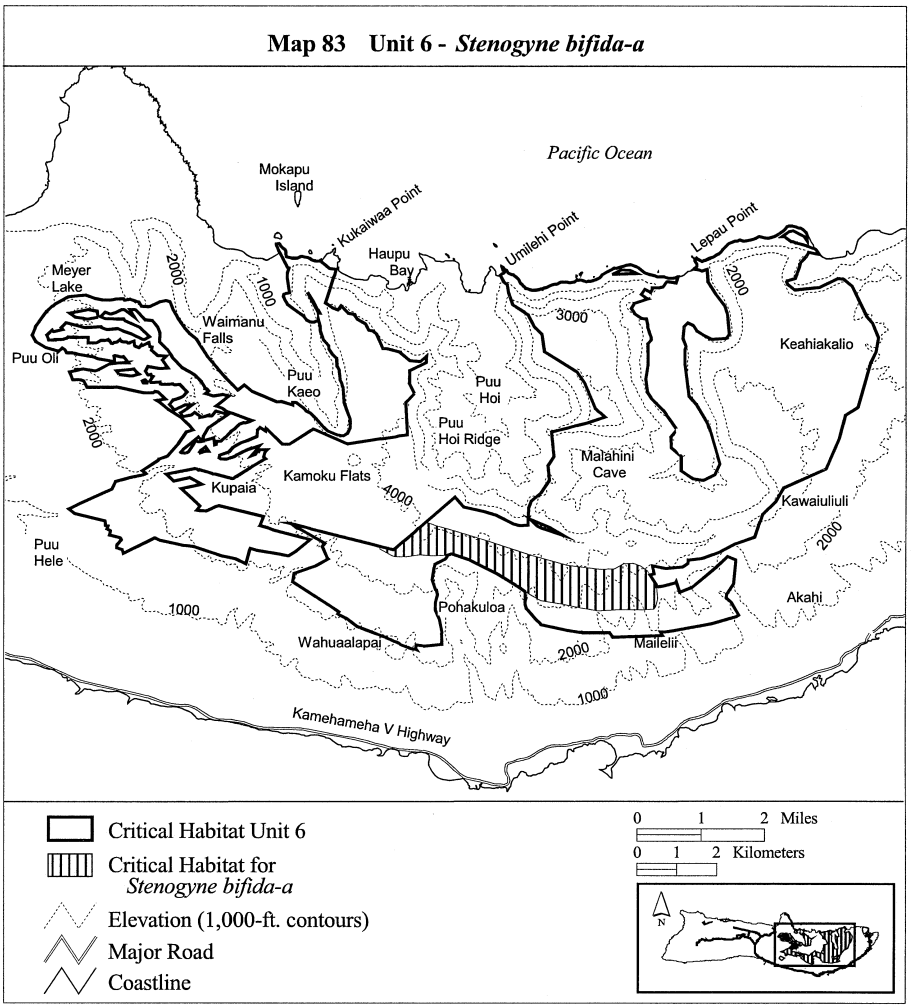
(ii) NOTE: Map 82 follows:



(83) Molokai 6—*Stenogyne bifida*—a (585 ha; 1,445 ac)

(i) Unit consists of the following 40 boundary points: Start at 718790, 2335593; 719006, 2335519; 719486, 2335379; 720326, 2335124; 721475, 2334733; 722382, 2334483; 723214, 2334383; 723564, 2334400; 723789, 2334525; 724030, 2334533; 724230, 2334467; 724405, 2334350; 724629, 2333975; 724663, 2333617; 724604, 2333418; 724563, 2333368; 724330, 2333360; 724155, 2333343; 723597, 2333343; 723140, 2333310; 723015, 2333335; 722732, 2333393; 722241, 2333493; 721708, 2333584; 721417, 2333743; 721075, 2333976; 720376, 2334408; 719918, 2334617; 719436, 2334775; 719286, 2334733; 718936, 2334720; 718641, 2334751; 718269, 2334697; 718006, 2334697; 717897, 2334736; 717605, 2334906; 717621, 2334964; 717948, 2334879; 717956, 2334877; 718196, 2335083; return to starting point.

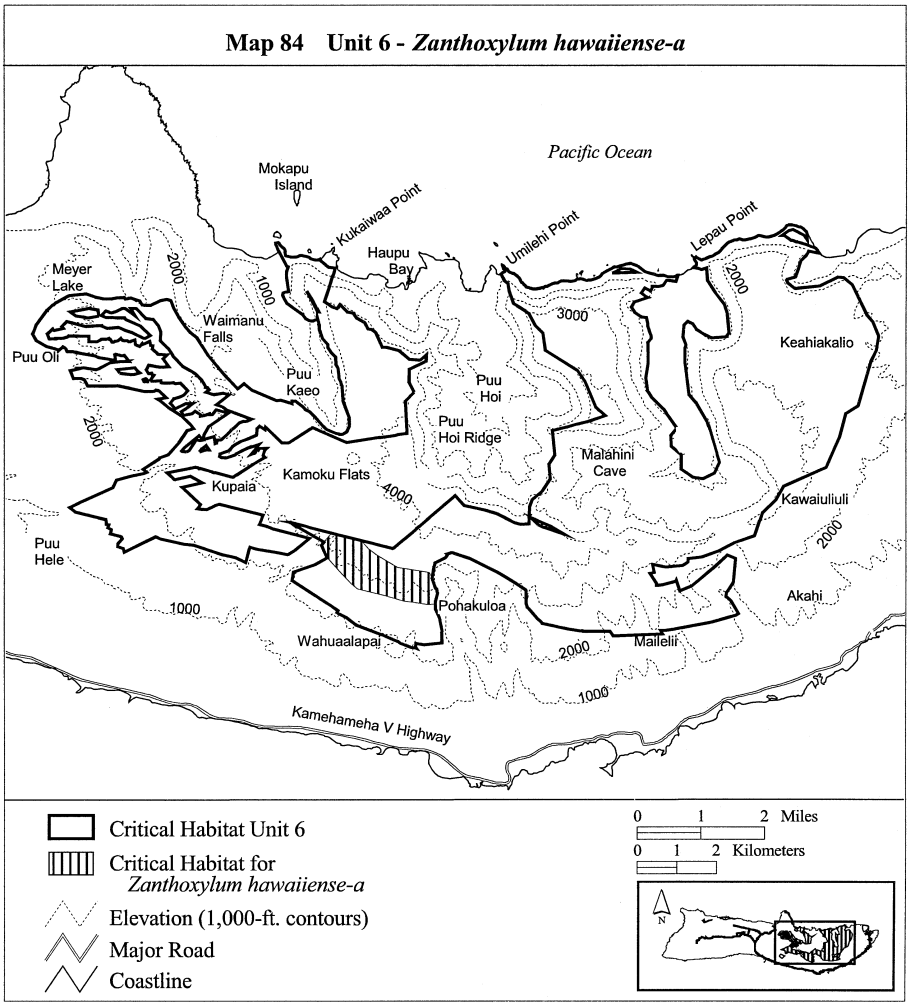
(ii) NOTE: Map 83 follows:



(84) Molokai 6—*Zanthoxylum hawaiiense*—a (259 ha; 640 ac)

(i) Unit consists of the following 23 boundary points: Start at 719023, 2333460; 718836, 2333440; 718456, 2333509; 718235, 2333529; 717759, 2333668; 717061, 2333854; 716909, 2333978; 716661, 2334227; 716274, 2334669; 716143, 2334966; 716364, 2335228; 716429, 2335272; 717190, 2335075; 717206, 2335035; 717344, 2334876; 717572, 2334703; 718083, 2334400; 718256, 2334365; 718877, 2334268; 718926, 2334151; 718974, 2333999; 719085, 2333743; 719036, 2333536; return to starting point.

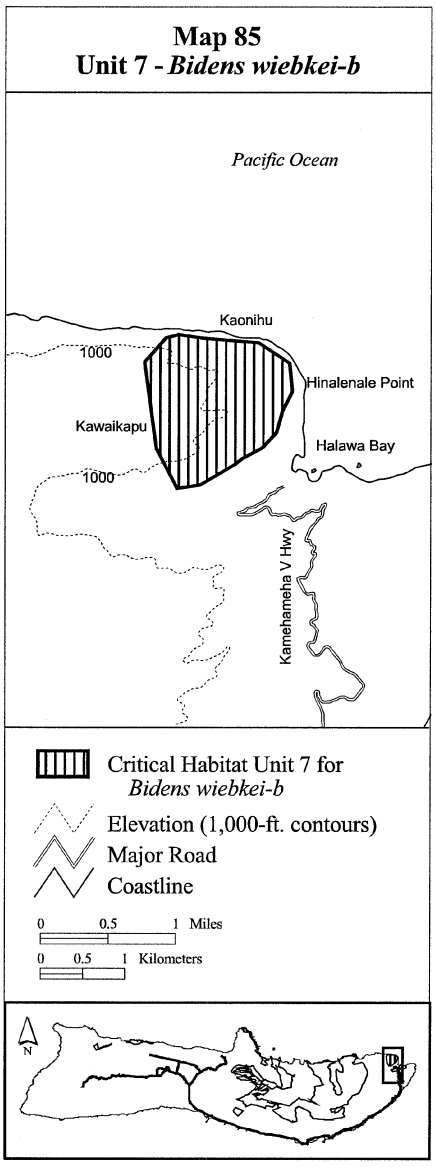
(ii) NOTE: Map 84 follows:



(85) Molokai 7—*Bidens wiebkei*—b (240 ha; 593 ac)

(i) Unit consists of the following 21 boundary points: Start at 733159, 2342717; 733159, 2342717; 733163, 2342721; 733418, 2343010; 733569, 2343051; 733836, 2343010; 734539, 2342951; 734906, 2342708; 734940, 2342357; 734814, 2342115; 734747, 2341873; 734741, 2341866; 734741, 2341866; 734576, 2341687; 734338, 2341564; 734246, 2341490; 733836, 2341246; 733552, 2341204; 733301, 2341680; 733301, 2341681; 733301, 2341684; return to starting point.

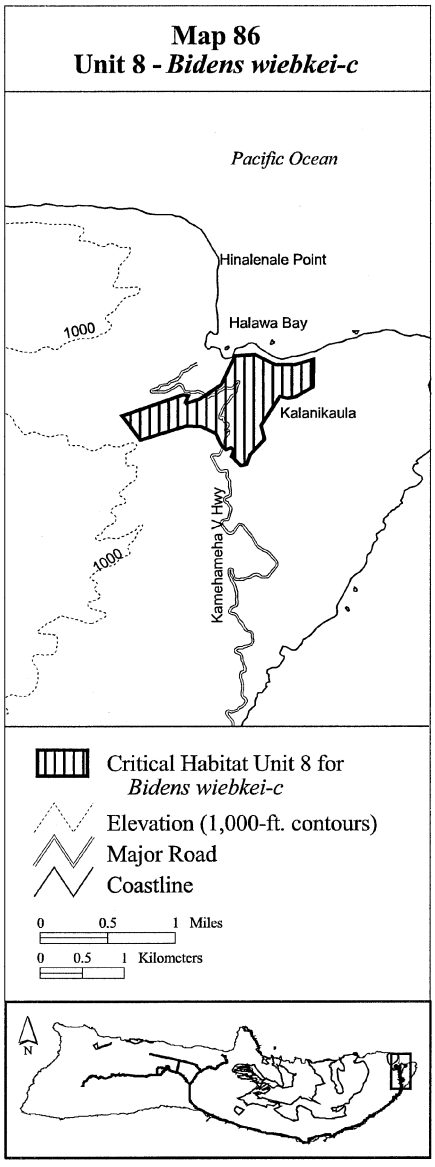
(ii) NOTE: Map 85 follows:



(86) Molokai 8—*Bidens wiebkei*—c (124 ha; 305 ac)

(i) Unit consists of the following 42 boundary points: Start at 734689, 2340744; 734863, 2340794; 734864, 2340794; 735124, 2340970; 735291, 2341321; 735533, 2341329; 735776, 2341212; 735776, 2341212; 735776, 2341212; 735985, 2341212; 736223, 2341276; 736217, 2340947; 736005, 2340825; 735918, 2340811; 735826, 2340828; 735600, 2340485; 735600, 2340485; 735600, 2340485; 735600, 2340485; 735642, 2340318; 735606, 2340279; 735606, 2340279; 735466, 2340126; 735433, 2340017; 735366, 2340000; 735249, 2340109; 735273, 2340184; 735238, 2340212; 735183, 2340197; 735126, 2340248; 735057, 2340393; 735057, 2340393; 735057, 2340393; 734881, 2340469; 734706, 2340477; 734706, 2340477; 734706, 2340477; 734706, 2340477; 734162, 2340310; 733947, 2340597; 734672, 2340853; 734731, 2340835; return to starting point.

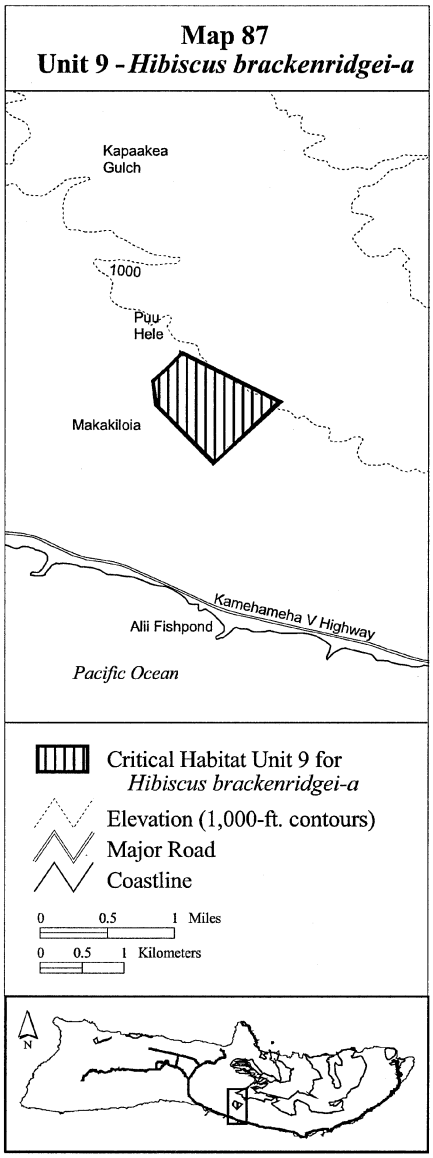
(ii) NOTE: Map 86 follows:



(87) Molokai 9—*Hibiscus brackenridgei*—a (101 ha; 249 ac)

(i) Unit consists of the following 11 boundary points: Start at 709892, 2333333; 709202, 2334013; 709147, 2334290; 709480, 2334623; 709485, 2334639; 709485, 2334639; 709485, 2334641; 709486, 2334643; 709599, 2334575; 709599, 2334575; 710655, 2334053; return to starting point.

(ii) NOTE: Map 87 follows:

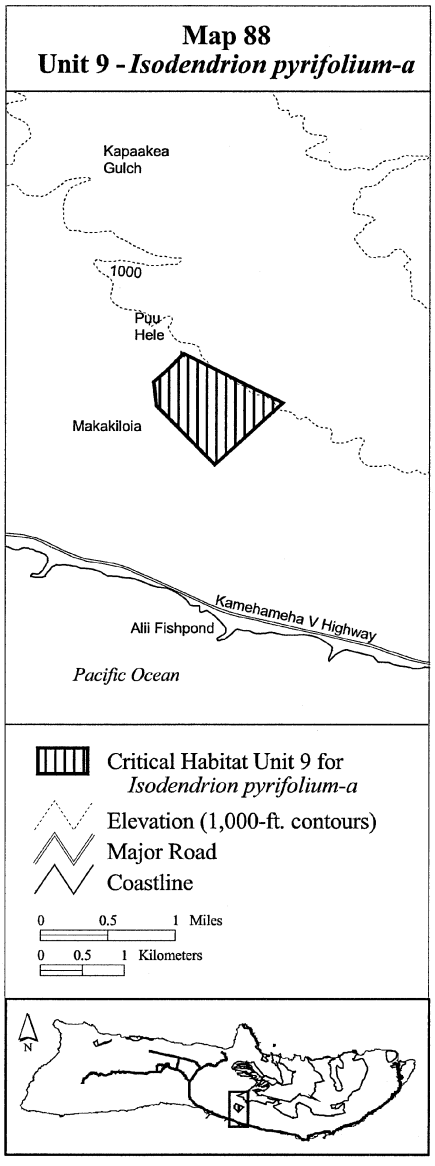


(88) Molokai 9—*Isodendrion pyrifolium*—a (107 ha; 264 ac)

(i) Unit consists of the following 5 boundary points: Start at 709515,

2334641; 710692, 2334052; 709880, 2333311; 709180, 2334022; 709149, 2334306; return to starting point.

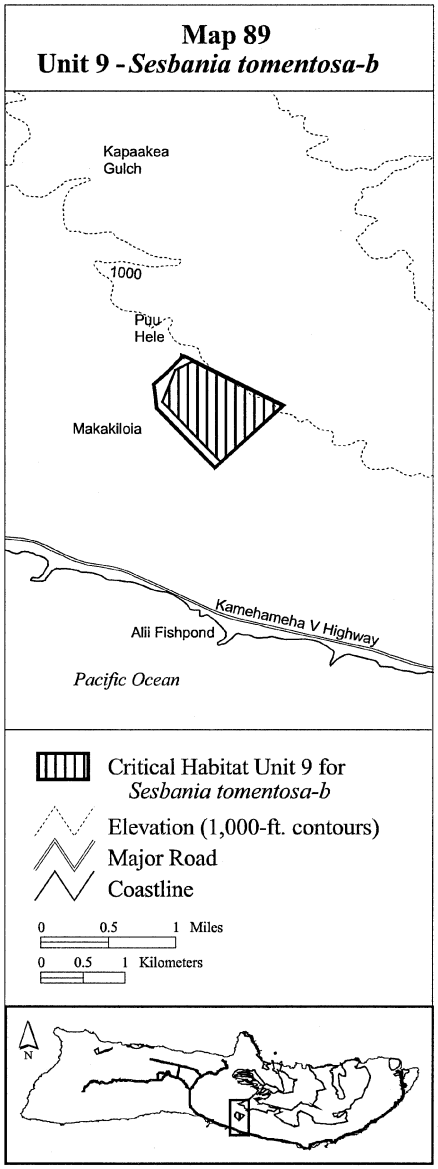
(ii) NOTE: Map 88 follows:



(89) Molokai 9—*Sesbania tomentosa*—b (88 ha; 217 ac)

(i) Unit consists of the following 5 boundary points: Start at 709608, 2334578; 710672, 2334051; 709945, 2333376; 709250, 2334093; 709408, 2334472; return to starting point.

(ii) NOTE: Map 89 follows:



(90) TABLE OF PROTECTED SPECIES WITHIN EACH CRITICAL HABITAT UNIT FOR MOLOKAI

Unit name	Species occupied	Species unoccupied
Molokai 1—*Tetramolopium rockii*—a		*Tetramolopium rockii.*
Molokai 2—*Sesbania tomentosa*—a	*Sesbania tomentosa.*	
Molokai 2—*Tetramolopium rockii*—b	*Tetramolopium rockii.*	
Molokai 3—*Centaurium sebaeoides*—a	*Centaurium sebaeoides.*	
Molokai 3—*Tetramolopium rockii*—c	*Tetramolopium rockii.*	
Molokai 4—*Brighamia rockii*—a		*Brighamia rockii.*
Molokai 4—*Hibiscus arnottianus* ssp. *immaculatus*		*Hibiscus arnottianus* ssp. *immaculatus.*—a.
Molokai 5—*Brighamia rockii*—b		*Brighamia rockii.*
Molokai 5—*Peucedanum sandwicense*—a	*Peucedanum sandwicense.*	
Molokai 5—*Tetramolopium rockii*—d		*Tetramolopium rockii.*
Molokai 6—*Adenophorus periens*—a		*Adenophorus periens.*
Molokai 6—*Adenophorus periens*—b		*Adenophorus periens.*
Molokai 6—*Adenophorus periens*—c		*Adenophorus periens.*
Molokai 6—*Alectryon macrococcus*—a	*Alectryon macrococcus.*	
Molokai 6—*Bidens wiebkei*—a	*Bidens wiebkei.*	
Molokai 6—*Brighamia rockii*—c		*Brighamia rockii.*
Molokai 6—*Brighamia rockii*—d	*Brighamia rockii.*	
Molokai 6—*Brighamia rockii*—e	*Brighamia rockii.*	
Molokai 6—*Canavalia molokaiensis*—a		*Canavalia molokaiensis.*
Molokai 6—*Canavalia molokaiensis*—b		*Canavalia molokaiensis.*
Molokai 6—*Canavalia molokaiensis*—c	*Canavalia molokaiensis.*	
Molokai 6—*Clermontia oblongifolia* ssp. *brevipes*—a		*Clermontia oblongifolia* ssp. *brevipes.*
Molokai 6—*Clermontia oblongifolia* ssp. *brevipes*—b		*Clermontia oblongifolia* ssp. *brevipes.*
Molokai 6—*Clermontia oblongifolia* ssp. *brevipes*—c		*Clermontia oblongifolia* ssp. *brevipes.*
Molokai 6—*Ctenitis squamigera*—a	*Ctenitis squamigera.*	
Molokai 6—*Cyanea dunbarii*—a		*Cyanea dunbarii.*
Molokai 6—*Cyanea dunbarii*—b	*Cyanea dunbarii.*	
Molokai 6—*Cyanea dunbarii*—c		*Cyanea dunbarii.*
Molokai 6—*Cyanea grimesiana* ssp. *grimesiana*—a	*Cyanea grimesiana* ssp. *grimesiana.*	
Molokai 6—*Cyanea mannii*—a	*Cyanea mannii.*	
Molokai 6—*Cyanea mannii*—b	*Cyanea mannii.*	
Molokai 6—*Cyanea mannii*—c	*Cyanea mannii.*	
Molokai 6—*Cyanea mannii*—d	*Cyanea mannii.*	
Molokai 6—*Cyanea mannii*—e	*Cyanea mannii.*	
Molokai 6—*Cyanea procera*—a	*Cyanea procera.*	
Molokai 6—*Cyanea procera*—b		*Cyanea procera.*
Molokai 6—*Diellia erecta*—a	*Diellia erecta.*	
Molokai 6—*Diplazium molokaiense*—a		*Diplazium molokaiense.*
Molokai 6—*Eugenia koolauensis*—a		*Eugenia koolauensis.*
Molokai 6—*Flueggea neowawraea*—a		*Flueggea neowawraea.*
Molokai 6—*Hesperomannia arborescens*—a	*Hesperomannia arborescens.*	
Molokai 6—*Hesperomannia arborescens*—b		*Hesperomannia arborescens.*
Molokai 6—*Hibiscus arnottianus* ssp. *immaculatus*—b.		*Hibiscus arnottianus* ssp. *immaculatus.*
Molokai 6—*Hibiscus arnottianus* ssp. *immaculatus*—c	*Hibiscus arnottianus* ssp. *immaculatus.*	
Molokai 6—*Hibiscus arnottianus* ssp. *immaculatus*—d.	*Hibiscus arnottianus* ssp. *immaculatus.*	
Molokai 6—*Ischaemum byrone*—a	*Ischaemum byrone.*	
Molokai 6—*Ischaemum byrone*—b	*Ischaemum byrone.*	
Molokai 6—*Labordia triflora*—a		*Labordia triflora.*
Molokai 6—*Labordia triflora*—b		*Labordia triflora.*
Molokai 6—*Labordia triflora*—c		*Labordia triflora.*
Molokai 6—*Labordia triflora*—d	*Labordia triflora.*	
Molokai 6—*Lysimachia maxima*—a		*Lysimachia maxima.*
Molokai 6—*Lysimachia maxima*—b		*Lysimachia maxima.*
Molokai 6—*Lysimachia maxima*—c		*Lysimachia maxima.*
Molokai 6—*Mariscus fauriei*—a		*Mariscus fauriei.*
Molokai 6—*Mariscus fauriei*—b	*Mariscus fauriei.*	
Molokai 6—*Melicope mucronulata*—a		*Melicope mucronulata.*
Molokai 6—*Melicope mucronulata*—b		*Melicope mucronulata.*
Molokai 6—*Melicope mucronulata*—c		*Melicope mucronulata.*
Molokai 6—*Melicope mucronulata*—d		*Melicope mucronulata.*
Molokai 6—*Melicope mucronulata*—e		*Melicope mucronulata.*
Molokai 6—*Melicope reflexa*—a		*Melicope reflexa.*
Molokai 6—*Melicope reflexa*—b	*Melicope reflexa.*	
Molokai 6—*Neraudia sericea*—a	*Neraudia sericea.*	

(90) TABLE OF PROTECTED SPECIES WITHIN EACH CRITICAL HABITAT UNIT FOR MOLOKAI—Continued

Unit name	Species occupied	Species unoccupied
Molokai 6—*Peucedanum sandwicense*—b		*Peucedanum sandwicense.*
Molokai 6—*Peucedanum sandwicense*—c	*Peucedanum sandwicense.*	
Molokai 6—*Phyllostegia mannii*—a		*Phyllostegia mannii.*
Molokai 6—*Phyllostegia mannii*—b		*Phyllostegia mannii.*
Molokai 6—*Phyllostegia mannii*—c		*Phyllostegia mannii.*
Molokai 6—*Plantago princeps*—a		*Plantago princeps.*
Molokai 6—*Pteris lidgatei*—a		*Pteris lidgatei.*
Molokai 6—*Schiedea lydgatei*—a	*Schiedea lydgatei.*	
Molokai 6—*Schiedea lydgatei*—b	*Schiedea lydgatei.*	
Molokai 6—*Schiedea nuttallii*—a		*Schiedea nuttallii.*
Molokai 6—*Schiedea nuttallii*—b		*Schiedea nuttallii.*
Molokai 6—*Schiedea sarmentosa*—a	*Schiedea sarmentosa.*	
Molokai 6—*Schiedea sarmentosa*—b	*Schiedea sarmentosa.*	
Molokai 6—*Silene alexandri*—a		*Silene alexandri.*
Molokai 6—*Silene alexandri*—b		*Silene alexandri.*
Molokai 6—*Silene lanceolata*—a	*Silene lanceolata.*	
Molokai 6—*Spermolepis hawaiiensis*—a	*Spermolepis hawaiiensis.*	
Molokai 6—*Stenogyne bifida*—a	*Stenogyne bifida.*	
Molokai 6—*Zanthoxylum hawaiiense*—a	*Zanthoxylum hawaiiense.*	
Molokai 7—*Bidens wiebkei*—b	*Bidens wiebkei.*	
Molokai 8—*Bidens wiebkei*—c		*Bidens wiebkei.*
Molokai 9—*Isodendrion pyrifolium*—a		*Isodendrion pyrifolium.*
Molokai 9—*Hibiscus brackenridgei*—a		*Hibiscus brackenridgei.*
Molokai 9—*Sesbania tomentosa*—b		*Sesbania tomentosa.*

(d) *Plants on Molokai; Constituent elements*—(1) *Flowering plants.*

FAMILY APIACEAE: ***Peucedanum sandwicense*** (MAKOU)

Molokai 5—*Peucedanum sandwicense*—a, Molokai 6—*Peucedanum sandwicense*—b, and Molokai 6—*Peucedanum sandwicense*—c, identified in the legal descriptions in paragraph (c) of this section, constitute critical habitat for *Peucedanum sandwicense* on Molokai. Within these units, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

(i) Cliff habitats in brown soil and talus in *Chamaesyce celastroides* var. *amplectans-Chenopodium oahuense* coastal dry shrubland or *Diospyros sandwicensis* forest with one or more of the following associated native species: *Artemisia australis*, *Dianella sandwicensis*, *Eragrostis* sp., *Lepidium bidentatum* var. *o-waihiense*, *Melanthera integrifolia*, *Metrosideros polymorpha*, *Osteomeles anthyllidifolia*, *Peperomia remyi*, *Pittosporum halophilum*, *Plectranthus parviflorus*, *Plumbago zeylanica*, *Portulaca lutea*, *Pritchardia hillebrandii*, *Reynoldsia sandwicensis*, *Santalum ellipticum*, *Scaevola sericea*, *Schiedea globosa*, *Senna gaudichaudii*, or *Sida fallax*; and

(ii) Elevations between 0 and 724 m (0 and 2,375 ft).

FAMILY APIACEAE: ***Spermolepis hawaiiensis*** (NCN)

Molokai 6—*Spermolepis hawaiiensis*—a, identified in the legal descriptions in paragraph (c) of this section, constitutes critical habitat for *Spermolepis hawaiiensis* on Molokai. Within this unit, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

(i) Ridge crests and gulch slopes in dry to mesic shrublands with one or more of the following associated native species: *Dodonaea viscosa*, *Leptecophylla tameiameiae*, or *Metrosideros polymorpha*; and

(ii) Elevations between 589 and 972 m (1,932 and 3,188 ft).

FAMILY ASTERACEAE: ***Bidens wiebkii*** (KOOKOOLAU)

Molokai 6—*Bidens wiebkei*—a, Molokai 7—*Bidens wiebkei*—b, and Molokai 8—*Bidens wiebkei*—c, identified in the legal descriptions in paragraph (c) of this section, constitute critical habitat for *Bidens wiebkii* on Molokai.

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

(i) Slopes in *Metrosideros polymorpha*-dominated mesic shrublands or dry or mesic *Metrosideros polymorpha-Leptechophylla tameiameiae* lowland shrubland with one or more of the following associated native species: *Antidesma platyphyllum*, *Dodonaea viscosa*, *Lysimachia* sp., *Nestegis sandwicensis*, *Phyllanthus distichus*, *Pisonia* sp., *Psydrax odorata*, or *Scaevola gaudichaudii*; and

(ii) Elevations between 8 and 1,199 m (26 and 3,933 ft).

FAMILY ASTERACEAE: ***Hesperomannia arborescens*** (NCN)

Molokai 6—*Hesperomannia arborescens*—a and Molokai 6—*Hesperomannia arborescens*—b, identified in the legal descriptions in paragraph (c) of this section, constitute critical habitat for *Hesperomannia arborescens* on Molokai. Within these units, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

(i) Slopes or ridges in wet *Metrosideros polymorpha-Dicranopteris linearis* lowland forest or mesic *Diospyros sandwicensis-Metrosideros polymorpha* lowland forest transition zones with one or more of the following associated native species: *Antidesma* sp., *Boehmeria grandis*, *Broussaisia arguta*, *Cibotium glaucum*, *Cheirodendron* sp., *Clermontia pallida*, *Coprosma* sp., *Cyrtandra* sp., *Diplopterygium pinnatum*, *Elaphoglossum* sp., *Freycinetia arborea*, *Hedyotis* sp., *Ilex anomala*, *Myrsine* sp., *Nephrolepis exaltata*, *Nestegis sandwicensis*, *Pipturus* sp., *Psychotria mauiensis*, *Smilax melastomifolia*, *Thelypteris* sp., *Urera glabra*, or *Wikstroemia* sp.; and

(ii) Elevations between 175 and 959 m (574 and 3,146 ft).

FAMILY ASTERACEAE: ***Tetramolopium rockii*** (NCN)

Molokai 1—*Tetramolopium rockii*—a, Molokai 2—*Tetramolopium rockii*—b, Molokai 3—*Tetramolopium rockii*—c, and Molokai 5—*Tetramolopium rockii*—d, identified in the legal descriptions in paragraph (c) of this section, constitute critical habitat for *Tetramolopium rockii* on Molokai. Within these units, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

(i) Hardened calcareous sand dunes or ash-covered basalt in the coastal spray zone or coastal dry shrubland and grassland with one or more of the following associated native species: *Diospyros sandwicensis*, *Fimbristylis cymosa*, *Heliotropium anomalum*, *Melanthera integrifolia*, *Metrosideros polymorpha*, *Osteomeles anthyllidifolia*, *Pouteria sandwicensis*, *Psydrax odorata*, *Scaevola* sp., *Sida fallax*, or *Sporobolus virginicus*; and

(ii) Elevations between 0 and 198 m (0 and 649 ft).

FAMILY CAMPANULACEAE: ***Brighamia rockii*** (PUA ALA)

Molokai 4—*Brighamia rockii*—a, Molokai 5—*Brighamia rockii*—b, Molokai 6—*Brighamia rockii*—c, Molokai 6—*Brighamia rockii*—d, and Molokai 6—*Brighamia rockii*—e, identified in the legal descriptions in paragraph (c) of this section, constitute critical habitat for *Brighamia rockii* on Molokai. Within these units, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

(i) Rock crevices on steep basalt sea cliffs, often within the spray zone, in coastal dry or mesic forest, *Eragrostis variabilis* mixed coastal cliff community, or shrubland, or *Pritchardia* sp. coastal mesic forest with one or more of the following associated native species: *Artemisia* sp., *Bidens* sp., *Carex wahuensis* ssp. *wahuensis*, *Chamaesyce celastroides* var. *amplectans*, *Cocculus orbiculatus*, *Cyrtomium falcatum*, *Cyperus phleoides* ssp. *phleoides*, *Dianella sandwicensis*, *Diospyros sandwicensis*, *Hedyotis littoralis*, *Lepidium bidentatum* var. *o-waihiense*, *Metrosideros polymorpha*, *Osteomeles anthyllidifolia*, *Pittosporum halophilum*, *Pandanus tectorius*, *Peucedanum sandwicensis*, *Phymatosorus grossus*, *Pritchardia hillebrandii*, *Psydrax odorata*, *Reynoldsia*

sandwicensis, *Scaevola sericea*, *Schiedea globosa*, *Senna gaudichaudii*, *Tetramolopium* sp., or *Wikstroemia uva-ursi*; and

(ii) Elevations between 0 and 671 m (0 and 2,201 ft).

FAMILY CAMPANULACEAE: ***Clermontia oblongifolia*** SSP. ***brevipes*** (OHA WAI)

Molokai 6—*Clermontia oblongifolia* ssp. *brevipes*—a, Molokai 6—*Clermontia oblongifolia* ssp. *brevipes*—b, and Molokai 6—*Clermontia oblongifolia* ssp. *brevipes*—c, identified in the legal descriptions in paragraph (c) of this section, constitute critical habitat for *Clermontia oblongifolia* ssp. *brevipes* on Molokai. Within these units, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

(i) Shallow soil on gulch slopes in wet *Metrosideros polymorpha*-dominated forests with one or more of the following associated plant species: *Broussaisia arguta*, *Cheirodendron trigynum*, *Cibotium* spp., *Hedyotis terminalis*, or *Melicope* sp.; and

(ii) Elevations between 770 and 1,508 m (2,526 and 4,946 ft).

FAMILY CAMPANULACEAE: ***Cyanea dunbarii*** (HAHA)

Molokai 6—*Cyanea dunbarii*—a, Molokai 6—*Cyanea dunbarii*—b, and Molokai 6—*Cyanea dunbarii*—c, identified in the legal descriptions in paragraph (c) of this section, constitute critical habitat for *Cyanea dunbarii* on Molokai. Within these units, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

(i) Streambanks on moderate to steep slopes in mesic to wet *Dicranopteris linearis-Metrosideros polymorpha* lowland forest with one or more of the following associated native plant species: *Charpentiera obovata*, *Cheirodendron trigynum*, *Clermontia kakeana*, *Diplazium sandwichianum*, *Freycinetia arborea*, *Perrottetia sandwicensis*, or *Pipturus albidus*; and

(ii) Elevations between 560 and 1,067 m (1,837 and 3,500 ft).

FAMILY CAMPANULACEAE: ***Cyanea grimesiana*** SSP. ***grimesiana*** (HAHA)

Molokai 6—*Cyanea grimesiana* ssp. *grimesiana*—a, identified in the legal descriptions in paragraph (c) of this section, constitutes critical habitat for *Cyanea grimesiana* ssp. *grimesiana* on Molokai. Within this unit, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

(i) Cliffs or mesic forest often dominated by *Metrosideros polymorpha* or *Metrosideros polymorpha* and *Acacia koa*, with one or more of the following associated native species: *Antidesma* sp., *Bobea* sp., *Cibotium* sp., *Cyrtandra* sp., *Dicranopteris linearis*, *Doodia* sp., *Freycinetia arborea*, *Nephrolepis* sp., *Psychotria* sp., *Syzygium sandwicensis*, or *Xylosma* sp.; and

(ii) Elevations between 94 and 1,324 m (308 and 4,343 ft).

FAMILY CAMPANULACEAE: ***Cyanea mannii*** (HAHA)

Molokai 6—*Cyanea mannii*—a, Molokai 6—*Cyanea mannii*—b, Molokai 6—*Cyanea mannii*—c, Molokai 6—*Cyanea mannii*—d, and Molokai 6—*Cyanea mannii*—e, identified in the legal descriptions in paragraph (c) of this section, constitute critical habitat for *Cyanea mannii* on Molokai. Within these units, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

(i) The sides of deep gulches in *Metrosideros polymorpha*-dominated montane mesic forests with one or more of the following associated native species: *Dicranopteris linearis*, *Vaccinium* sp., or *Wikstroemia* sp.; and

(ii) Elevations between 497 and 1,093 m (1,630 and 3,585 ft).

FAMILY CAMPANULACEAE: ***Cyanea procera*** (HAHA)

Molokai 6—*Cyanea procera*—a and Molokai 6—*Cyanea procera*—b, identified in the legal descriptions in paragraph (c) of this section, constitute critical habitat for *Cyanea procera* on Molokai. Within these units, the currently known primary constituent elements of critical habitat include, but

are not limited to, the habitat components provided by:

(i) Walls of steep gulches in wet *Metrosideros polymorpha*-dominated lowland mixed forest with one or more of the following associated native species: *Asplenium* spp., *Brousaissia arguta*, *Coprosma ochracea*, *Cyanea* sp., *Cyrtandra macrocalyx*, *Dicranopteris linearis*, *Pipturus albidus*, *Pisonia* spp., *Scaevola procera*, or *Touchardia latifolia;* and

(ii) Elevations between 331 and 1,209 m (1,086 and 3,966 ft).

FAMILY CARYOPHYLLACEAE: ***Schiedea lydgatei*** (NCN)

Molokai 6—*Schiedea lydgatei*—a and Molokai 6—*Schiedea lydgatei*—b, identified in the legal descriptions in paragraph (c) of this section, constitute critical habitat for *Schiedea lydgatei* on Molokai. Within these units, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

(i) Ridges in dry to mesic grassland, shrubland, and forest with scattered native trees with one or more of the following associated native species: *Dicranopteris linearis*, *Dodonaea viscosa*, *Leptecophylla tameiameiae*, or *Metrosideros polymorpha*; and

(ii) Elevations between 545 and 1,047 m (1,788 and 3,434 ft).

FAMILY CARYOPHYLLACEAE: ***Schiedea nuttallii*** (NCN)

Molokai 6—*Schiedea nuttallii*—a and Molokai 6—*Schiedea nuttallii*—b, identified in the legal descriptions in paragraph (c) of this section, constitute critical habitat for *Schiedea nuttallii* on Molokai. Within these units, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

(i) Streamside grottos in wet *Metrosideros polymorpha-Cheirodendron trigynum* forest with one or more of the following associated native species: *Asplenium lobulatum*, *Asplenium macraei*, *Asplenium unilaterale*, *Cyrtandra hawaiiensis*, *Thelypteris sandwicensis*, or *Vandenboschia davallioides*; and

(ii) Elevations between 988 and 1,341 m (3,241 and 4,398 ft).

FAMILY CARYOPHYLLACEAE: ***Schiedea sarmentosa*** (NCN)

Molokai 6—*Schiedea sarmentosa*—a and Molokai 6—*Schiedea sarmentosa*—b, identified in the legal descriptions in paragraph (c) of this section, constitute critical habitat for *Schiedea sarmentosa* on Molokai. Within these units, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

(i) Steep or gentle to moderate slopes in *Metrosideros polymorpha-Dodonaea viscosa* lowland dry or mesic shrubland, or dry to mesic forest dominated by *Metrosideros polymorpha* and/or *Diospyros sandwicensis* with one or more of the following associated native species: *Alyxia oliviformis*, *Bidens menziesii*, *Carex meyenii*, *Chamaesyce* sp., *Chenopodium oahuense*, *Leptecophylla tameiameiae*, *Lipochaeta rockii*, *Nestegis sandwicensis*, *Nothocestrum latifolium*, *Pleomele auwahiensis*, *Sida fallax*, or *Sophora chrysophylla*; and

(ii) Elevations between 316 and 1,020 m (1,036 and 3,346 ft).

FAMILY CARYOPHYLLACEAE: ***Silene alexandri*** (NCN)

Molokai 6—*Silene alexandri*—a and Molokai 6—*Silene alexandri*—b, identified in the legal descriptions in paragraph (c) of this section, constitute critical habitat for *Silene alexandri* on Molokai. Within these units, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

(i) Moderate to steep slopes or cliffs in dry forest with one or more of the following associated native species: *Bidens menziesii*, *Carex wahuensis*, *Diospyros sandwicensis*, *Dodonaea viscosa*, *Leptecophylla tameiameiae*, or *Schiedea* spp.; and

(ii) Elevations between 316 and 1,020 m (1,036 and 3,346 ft).

FAMILY CARYOPHYLLACEAE: ***Silene lanceolata*** (NCN)

Molokai 6—*Silene lanceolata*—a, identified in the legal descriptions in paragraph (c) of this section, constitutes critical habitat for *Silene lanceolata* on

Molokai. Within this unit, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

(i) Gulch slopes, ridge tops, and cliffs in dry to mesic shrubland with one or more of the following associated native species: *Bidens menziesii*, *Carex wahuensis*, *Diospyros sandwicensis*, *Dodonaea viscosa*, *Dubautia linearis*, *Leptecophylla tameiameiae*, *Metrosideros polymorpha*, or *Schiedea* spp.; and

(ii) Elevations between 581 and 1,043 m (1,906 and 3,421 ft).

FAMILY CYPERACEAE: ***Mariscus fauriei*** (NCN)

Molokai 6—*Mariscus fauriei*—a and Molokai 6—*Mariscus fauriei*—b, identified in the legal descriptions in paragraph (c) of this section, constitute critical habitat for *Mariscus fauriei* on Molokai. Within these units, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

(i) Lava substrate or *Diospyros sandwicensis*-dominated lowland dry forests with one or more of the following associated native species: *Peperomia* sp., *Psydrax odorata*, or *Rauvolfia sandwicensis;* and

(ii) Elevations between 436 and 887 m (1,430 and 2,909 ft).

FAMILY EUPHORBIACEAE: ***Flueggea neowawraea*** (MEHAMEHAME)

Molokai 6—*Flueggea neowawraea*—a, identified in the legal descriptions in paragraph (c) of this section, constitutes critical habitat for *Flueggea neowawraea* on Molokai. Within this unit, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

(i) Gulches in mesic forest; and

(ii) Elevations between 450 and 618 m (1,476 and 2,027 ft).

FAMILY FABACEAE: ***Canavalia molokaiensis*** (AWIKIWIKI)

Molokai 6—*Canavalia molokaiensis*—a, Molokai 6—*Canavalia molokaiensis*—b, and Molokai 6—*Canavalia molokaiensis*—c, identified in the legal descriptions in paragraph (c) of this section, constitute critical habitat for *Canavalia molokaiensis* on Molokai. Within these units, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

(i) Exposed sites, both dry and mesic, on steep slopes in *Metrosideros polymorpha-Dodonaea viscosa* lowland shrubland and mesic shrublands with one or more of the following associated native species: *Artemisia* sp., *Chamaesyce* sp., *Coprosma* sp., *Leptecophylla tameiameiae*, or *Wikstroemia* sp.; and

(ii) Elevations between 503 and 1,013 m (1,650 and 3,323 ft).

FAMILY FABACEAE: ***Sesbania tomentosa*** (OHAI)

Molokai 2—*Sesbania tomentosa*—a and Molokai 9—*Sesbania tomentosa*—b, identified in the legal descriptions in paragraph (c) of this section, constitute critical habitat for *Sesbania tomentosa* on Molokai. Within these units, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

(i) Windswept slopes, sea cliffs and weathered basaltic slopes in *Scaevola sericea* coastal dry shrubland with one or more of the following associated native species: *Dodonaea viscosa*, *Jacquemontia ovalifolia* ssp. *sandwicensis*, *Melanthera integrifolia*, or *Sida fallax;* and

(ii) Elevations between 0 and 318 m (0 and 1,043 ft).

FAMILY GENTIANACEAE: ***Centaurium sebaeoides*** (AWIWI)

Molokai 3—*Centaurium sebaeoides*—a, identified in the legal descriptions in paragraph (c) of this section, constitutes critical habitat for *Centaurium sebaeoides* on Molokai. Within this unit, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

(i) Volcanic or clay soils or cliffs in arid coastal areas with one or more of the following associated native species: *Artemisia* sp., *Bidens* sp., *Chamaesyce celastroides*, *Cyperus phleoides*, *Dodonaea*

viscosa, *Fimbristylis cymosa*, *Heteropogon contortus*, *Jacquemontia ovalifolia*, *Lipochaeta heterophylla*, *Lipochaeta succulenta*, *Lycium sandwicense*, *Lysimachia mauritiana*, *Melanthera integrifolia*, *Panicum fauriei*, *Panicum torridum*, *Scaevola sericea*, *Schiedea globosa*, *Sida fallax*, or *Wikstroemia uva-ursi;* and

(ii) Elevations between 0 and 39 m (0 and 128 ft).

FAMILY LAMIACEAE: ***Phyllostegia mannii*** (NCN)

Molokai 6—*Phyllostegia mannii*—a, Molokai 6—*Phyllostegia mannii*—b, and Molokai 6—*Phyllostegia mannii*—c, identified in the legal descriptions in paragraph (c) of this section, constitute critical habitat for *Phyllostegia mannii* on Molokai. Within these units, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

(i) Shaded sites in sometimes foggy and windswept, wet, open *Metrosideros polymorpha*-dominated montane forest with a native shrub and *Cibotium* sp. understory with one or more of the following associated native species: *Asplenium* sp., *Broussaisia arguta*, *Cheirodendron trigynum*, *Coprosma ochracea*, *Cyanea* sp., *Dicranopteris linearis*, *Hedyotis hillebrandii*, *Pipturus albidus*, *Pouteria sandwicensis*, *Psychotria* sp., *Touchardia latifolia*, *Vaccinium* sp., or *Wikstroemia* sp.; and

(ii) Elevations between 603 and 1,508 m (1,978 and 4,946 ft).

FAMILY LAMIACEAE: ***Stenogyne bifida*** (NCN)

Molokai 6—*Stenogyne bifida*—a, identified in the legal descriptions in paragraph (c) of this section, constitutes critical habitat for *Stenogyne bifida* on Molokai. Within this unit, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

(i) Gulch slopes in *Metrosideros polymorpha*-dominated montane mesic to wet forest with one or more of the following associated native species: *Broussaisia arguta*, *Cheirodendron trigynum*, *Cibotium* sp., *Cyanea* sp., *Dicranopteris linearis*, *Dodonaea viscosa*, *Hedyotis hillebrandii*, *Hedyotis* sp., *Leptecophylla tameiameiae*, *Pipturus albidus*, *Pouteria sandwicensis*, *Psychotria* sp., *Vaccinium* sp., or *Wikstroemia* sp.; and

(ii) Elevations between 467 and 1,300 m (1,532 and 4,264 ft).

FAMILY LOGANIACEAE: ***Labordia triflora*** (KAMAKAHALA)

Molokai 6—*Labordia triflora*—a, Molokai 6—*Labordia triflora*—b, Molokai 6—*Labordia triflora*—c, and Molokai 6—*Labordia triflora*—d, identified in the legal descriptions in paragraph (c) of this section, constitute critical habitat for *Labordia triflora* on Molokai. Within these units, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

(i) Mixed mesic *Metrosideros polymorpha* forest, with one or more of the following associated native species: *Coprosma* sp., *Myrsine lessertiana*, *Nephrolepis exaltata*, *Pouteria sandwicensis*, *Sadleria cyatheoides*, or *Tetraplasandra hawaiensis;* and

(ii) Elevations between 207 and 1,097 m (679 and 3,598 ft).

FAMILY MALVACEAE: ***Hibiscus arnottianus*** SSP. ***immaculatus*** (KOKIO KEOKEO)

Molokai 4—*Hibiscus arnottianus* ssp. *immaculatus*—a, Molokai 6—*Hibiscus arnottianus* ssp. *immaculatus*—b, Molokai 6—*Hibiscus arnottianus* ssp. *immaculatus*—c, and Molokai 6—*Hibiscus arnottianus* ssp. *immaculatus*—d, identified in the legal descriptions in paragraph (c) of this section, constitute critical habitat for *Hibiscus arnottianus* ssp. *immaculatus* on Molokai. Within these units, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

(i) Steep sea cliffs in mesic forests with one or more of the following associated native species: *Antidesma platyphyllum*, *Athyrium* spp., *Boehmeria grandis*, *Cyanea grimesiana*, *Diospyros sandwicensis*, *Metrosideros polymorpha*, *Pipturus* spp., *Psydrax odorata*, or *Urera glabra;* and

(ii) Elevations between 8 and 813 m (26 and 2,667 ft).

FAMILY MALVACEAE: ***Hibiscus brackenridgei*** (MAU HAO HELE)

Molokai 9—*Hibiscus brackenridgei*—a, identified in the legal descriptions in paragraph (c) of this section, constitute critical habitat for *Hibiscus brackenridgei* on Molokai. Within this unit, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

(i) Slopes in lowland dry forest and shrubland; and

(ii) Elevations between 174 to 317 m (571 to 1,040 ft).

FAMILY MYRTACEAE: ***Eugenia koolauensis*** (NIOI)

Molokai 6—*Eugenia koolauensis*—a, identified in the legal descriptions in paragraph (c) of this section, constitute critical habitat for *Eugenia koolauensis* on Molokai. Within this unit, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

(i) Rocky gulches or gentle slopes with deep soil with one or more of the following associated native species: *Diospyros sandwicensis*, *Erythrina sandwicensis*, *Nesoluma polynesicum*, *Nestegis sandwicensis*, *Nototrichium sandwicensis*, *Reynoldsia sandwicensis*, or *Xylosma hawaiiense;* and

(ii) Elevations between 475 and 992 m (1,558 and 3,254 ft).

FAMILY PLANTAGINACEAE: ***Plantago princeps*** (LAUKAHI KUAHIWI)

Molokai 6—*Plantago princeps*—a, identified in the legal descriptions in paragraph (c) of this section, constitutes critical habitat for *Plantago princeps* on Molokai. Within this unit, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

(i) Streambanks in *Metrosideros polymorpha* lowland mesic forest with one or more of the following associated native species: *Coprosma* sp., *Cyanea* sp., *Dodonaea viscosa*, *Dryopteris unidentata*, *Pipturus albidus*, or *Wikstroemia oahuensis;* and

(ii) Elevations between 1,008 and 1,213 m (3,306 and 3,979 ft).

FAMILY POACEAE: ***Ischaemum byrone*** (HILO ISCHAEMUM)

Molokai 6—*Ischaemum byrone*—a and Molokai 6—*Ischaemum byrone*—b, identified in the legal descriptions in paragraph (c) of this section, constitute critical habitat for *Ischaemum byrone* on Molokai. Within these units, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

(i) Coastal dry shrubland or *Artemisia* sp. cliff communities, near the ocean, among rocks or basalt cliffs or talus slopes with one or more of the following associated native species: *Bidens molokaiensis*, *Fimbristylis cymosa*, *Hedyotis littoralis*, *Lysimachia mauritiana*, or *Pandanus tectorius;* and

(ii) Elevations between sea level and 235 m (0 and 771 ft).

FAMILY PRIMULACEAE: ***Lysimachia maxima*** (NCN)

Molokai 6—*Lysimachia maxima*—a, Molokai 6—*Lysimachia maxima*—b, and Molokai 6—*Lysimachia maxima*—c, identified in the legal descriptions in paragraph (c) of this section, constitute critical habitat for *Lysimachia maxima* on Molokai. Within these units, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

(i) *Metrosideros polymorpha-Dicranopteris linearis* montane wet forest with one or more of the following associated native species: *Dubautia* sp., *Hedyotis* sp., *Ilex anomala*, *Psychotria* sp., or *Vaccinium* sp.; and

(ii) Elevations between 446 and 1,329 m (1,463 and 4,359 ft).

FAMILY RUTACEAE: ***Melicope mucronulata*** (ALANI)

Molokai 6—*Melicope mucronulata*—a, Molokai 6—*Melicope mucronulata*—b, Molokai 6—*Melicope mucronulata*—c, Molokai 6—*Melicope mucronulata*—d, and Molokai 6—*Melicope mucronulata*—e, identified in the legal description in

paragraph (c) of this section, constitute critical habitat for *Melicope mucronulata* on Molokai. Within these units, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

(i) Steep, west- or north-facing slopes in mesic *Diospyros sandwicensis-Metrosideros polymorpha* forest, *Metrosideros polymorpha-Dodonaea viscosa* shrubland, or *Metrosideros polymorpha-Leptechophylla tameiameiae* shrubland with one or more of the following associated native species: *Alyxia oliviformis*, *Alphitonia ponderosa*, *Coprosma foliosa*, *Hedyotis terminalis*, *Melicope hawaiensis*, *Myrsine lanaiensis*, *Nestegis sandwicensis*, *Ochrosia compta*, *Osteomeles anthyllidifolia*, *Phyllanthus* sp., *Pittosporum* sp., *Pleomele auwahiensis*, or *Psychotria mariniana;* and

(ii) Elevations between 354 and 1,015 m (1,161 and 3,329 ft).

FAMILY RUTACEAE: ***Melicope reflexa*** (ALANI)

Molokai 6—*Melicope reflexa*—a Molokai 6—*Melicope reflexa*—b, identified in the legal descriptions in paragraph (c) of this section, constitute critical habitat for *Melicope reflexa* on Molokai. Within these units, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

(i) Wet *Metrosideros polymorpha*-dominated forest with native trees such as *Cheirodendron* sp., with one or more of the following associated native species: *Alyxia oliviformis*, *Antidesma platyphyllum*, *Cheirodendron trigynum*, *Cibotium* spp., *Dicranopteris linearis*, *Freycinetia arborea*, or *Syzygium sandwicensis;* and

(ii) Elevations between 319 and 1,508 m (1,046 and 4,946 ft).

FAMILY RUTACEAE: ***Zanthoxylum hawaiiense*** (AE)

Molokai 6—*Zanthoxylum hawaiiense*—a, identified in the legal descriptions in paragraph (c) of this section, constitutes critical habitat for *Zanthoxylum hawaiiense* on Molokai. Within this unit, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

(i) Gulch slopes in mesic *Metrosideros polymorpha* or *Diospyros sandwicensis* forest with one or more of the following associated native species: *Alyxia oliviformis*, *Dodonaea viscosa*, *Leptecophylla tameiameiae*, *Myrsine lanaiensis*, *Nestegis sandwicensis*, *Osteomeles anthyllidifolia*, *Pleomele auwahiensis*, or *Psychotria* sp.; and

(ii) Elevations between 754 and 1,084 m (2,473 and 3,555 ft).

FAMILY SAPINDACEAE: ***Alectryon macrococcus*** VAR. ***macrococcus*** (MAHOE)

Molokai 6—*Alectryon macrococcus*—a, identified in the legal descriptions in paragraph (c) of this section, constitutes critical habitat for *Alectryon macrococcus* var. *macrococcus* on Molokai. Within this unit, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

(i) Talus slopes or gulches within dry or mesic lowland forest with one or more of the following associated native species: *Dodonaea viscosa*, *Lipochaeta* sp., *Myrsine* sp., *Nestegis sandwicensis*, *Nothocestrum* sp., *Pleomele* sp., *Psychotria* sp., or *Streblus pendulina;* and

(ii) Elevations between 616 and 1,026 m (2,020 and 3,365 ft).

FAMILY URTICACEAE: ***Neraudia sericea*** (NCN)

Molokai 6—*Neraudia sericea*—a, identified in the legal descriptions in paragraph (c) of this section, constitutes critical habitat for *Neraudia sericea* on Molokai. Within this unit, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

(i) Gulch slopes and gulch bottoms in lowland dry to mesic *Metrosideros polymorpha-Dodonaea viscosa-Leptechophylla tameiameiae* shrubland or forest with one or more of the following associated native species: *Alyxia oliviformis*, *Coprosma* sp., *Hedyotis* sp., or *Pleomele auwahiensis;* and

(ii) Elevations between 701 and 1,043 m (2,299 and 3,421 ft).

FAMILY VIOLACEAE: ***Isodendrion pyrifolium*** (WAHINE NOHO KULA)

Molokai 9—*Isodendrion pyrifolium*—a, identified in the legal descriptions in paragraph (c) of this section, constitutes critical habitat for *Isodendrion pyrifolium* on Molokai. Within this unit, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

(i) Dry shrublands with one or more of the following associated native species: *Bidens menziesii*, *Dodonaea viscosa*, *Heteropogon contortus*, or *Leptecophylla tameiameiae;* and

(ii) Elevations between 173 and 322 m (567 and 1,056 ft).

(2) *Ferns and fern allies.*

FAMILY ADIANTACEAE: ***Pteris lidgatei*** (NCN)

Molokai 6—*Pteris lidgatei*—a, identified in the legal descriptions in paragraph (c) of this section, constitutes critical habitat for *Pteris lidgatei* on Molokai. Within this unit, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

(i) Steep streambanks in wet forest, and

(ii) Elevations between 160 and 1,251 m (525 and 4,103 ft).

FAMILY ASPLENIACEAE: ***Ctenitis squamigera*** (PAUOA)

Molokai 6—*Ctenitis squamigera*—a, identified in the legal descriptions in paragraph (c) of this section, constitutes critical habitat for *Ctenitis squamigera* on Molokai. Within this unit, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

(i) Mesic forest and gulch slopes with one or more of the following associated native species: *Carex meyenii*, *Diospyros sandwicensis*, *Dryopteris unidentata*, *Metrosideros polymorpha*, *Nephrolepis exaltata*, *Nestegis sandwicensis*, *Pleomele auwahiensis*, *Pouteria sandwicensis*, or *Xylosma hawaiiense;* and

(ii) Elevations between 757 and 1,133 m (2,483 and 3,716 ft).

FAMILY ASPLENIACEAE: ***Diellia erecta*** (ASPLENIUM-LEAVED DIELLIA)

Molokai 6—*Diellia erecta*—a, identified in the legal descriptions in paragraph (c) of this section, constitutes critical habitat for *Diellia erecta* on Molokai. Within this unit, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

(i) Mixed mesic forest and mesic *Diospyros sandwicensis* forest with one or more of the following associated native species: *Alyxia oliviformis*, *Bobea* sp., *Coprosma foliosa*, *Dodonaea viscosa*, *Dryopteris unidentata*, *Dubautia linearis* ssp. *opposita*, *Leptecophylla tameiameiae*, *Metrosideros polymorpha*, *Myrsine* sp., *Ochrosia compta*, *Pleomele auwahiensis*, *Psychotria* sp., *Sophora chrysophylla*, *Syzygium sandwicensis*, or *Wikstroemia* sp.; and

(ii) Elevations between 716 and 1,046 m (2,348 and 3,431 ft).

FAMILY ASPLENIACEAE: ***Diplazium molokaiense*** (NCN)

Molokai 6—*Diplazium molokaiense*—a, identified in the legal descriptions in paragraph (c) of this section, constitutes critical habitat for *Diplazium molokaiense* on Molokai. Within this unit, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

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

(ii) Elevations between 97 and 1,349 m (318 and 4,425 ft).

FAMILY GRAMMITIDACEAE: ***Adenophorous periens*** (PENDANT KIHI FERN)

Molokai 6—*Adenophorus periens*—a, Molokai 6—*Adenophorus periens*—b, and Molokai 6—*Adenophorus periens*—c, identified in the legal descriptions in paragraph (c) of this section, constitute critical habitat for *Adenophorous periens* on Molokai. Within these units, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

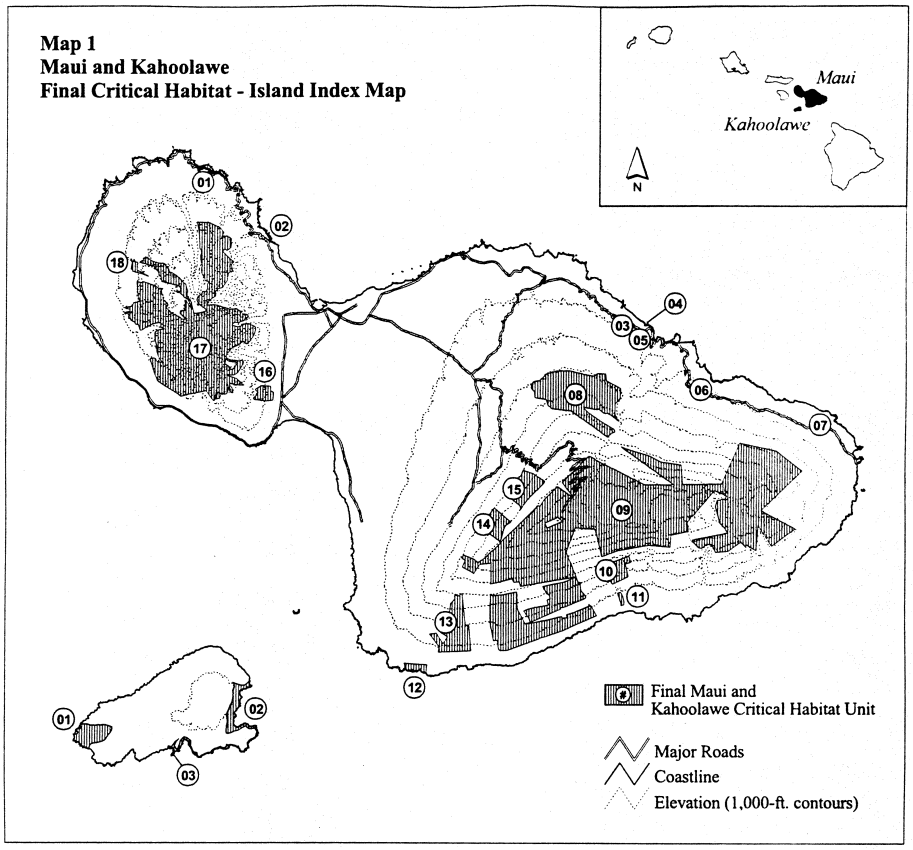
(i) Well-developed, closed canopy providing deep shade and high humidity on *Metrosideros polymorpha* trunks, in *Metrosideros polymorpha-Myrsine lessertiana* forest with one or more of the following associated native species: *Anoectochilus sandvicensis*, *Broussasia arguta*, *Cheirodendron trigynum*, *Cibotium glaucum*, *Coprosma ochracea*, *Cyanea* sp., *Cyrtandra* sp., *Dicranopteris linearis*, *Freycinetia arborea*, *Hedyotis terminalis*, *Ilex anomala*, *Labordia hirtella*, *Leptecophylla tameiameiae*, *Machaerina angustifolia*, *Melicope* sp., *Psychotria* spp., *Stenogyne kamehamehae*, *Syzygium sandwicensis*, *Vaccinium calycinum*, or *Viola chamissoniana* ssp. *robusta;* and

(ii) Elevations between 816 and 1,508 m (2,676 and 4,946 ft).

(e) *Maps and critical habitat unit descriptions for the islands of Maui and Kahoolawe, HI.* The following sections contain the legal descriptions of the critical habitat units designated for the islands of Maui and Kahoolawe, HI. Existing manmade features and structures within the boundaries of the mapped areas, such as buildings; roads; aqueducts and other water system features—including but not limited to pumping stations, irrigation ditches, pipelines, siphons, tunnels, water tanks, gaging stations, intakes, reservoirs, diversions, flumes, and wells; existing trails; campgrounds and their immediate surrounding landscaped area; scenic lookouts; remote helicopter landing sites; existing fences; telecommunications towers and associated structures and equipment; electrical transmission lines and distribution, and communication facilities and regularly maintained associated rights-of-way and access ways; radars and telemetry antennas; missile launch sites; arboreta and gardens; heiau (indigenous places of worship or shrines) and other archaeological sites; airports; other paved areas; and lawns and other rural residential landscaped areas do not contain the primary constituent elements described for each species in paragraph (f) of this section, except for the elevation primary constituent element, and therefore are not included in the critical habitat designations.

(1) *Maui.* Critical habitat units are described below. Coordinates in UTM Zone 4 with units in meters using North American Datum of 1983 (NAD83). The following map shows the general locations of the 136 critical habitat units designated on the island of Maui.

(i) NOTE: Map 1—Index map—follows:

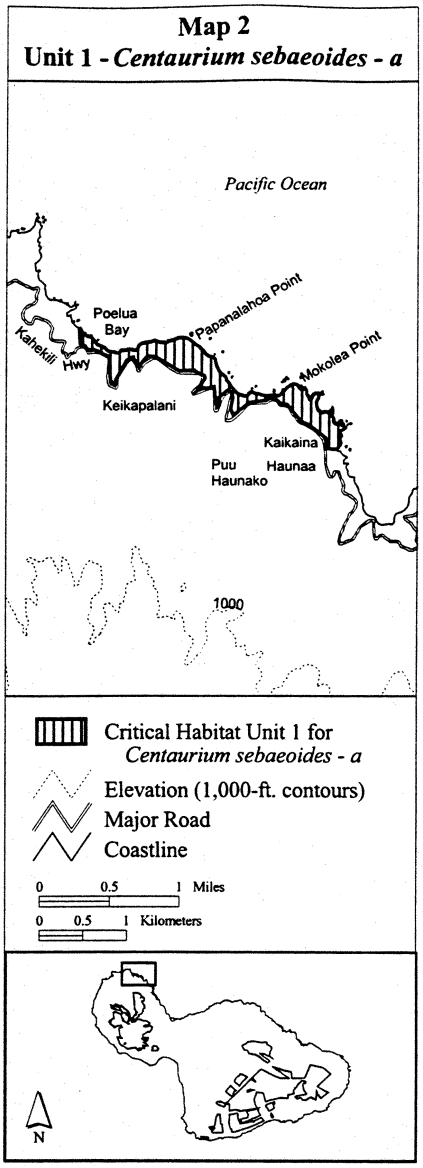


(ii) Maui 1—*Centaurium sebaeoides*—a (71 ha; 174 ac).

(A) Unit consists of the following 93 boundary points and the intermediate coastline: Start at 751112, 2326166; 754099, 2324756; 754053, 2324754; 754053, 2324754; 753973, 2324765; 753966, 2324891; 753771, 2325042; 753692, 2325076; 753669, 2325092; 753524, 2325277; 753446, 2325286; 753446, 2325286; 753388, 2325342; 753388, 2325342; 753381, 2325348; 753372, 2325347; 753367, 2325346; 753332, 2325352; 753325, 2325353; 753299, 2325342; 753270, 2325329; 753238, 2325323; 753221, 2325320; 753189, 2325314; 753085, 2325303; 753085, 2325303; 753085, 2325303; 753077, 2325294; 753069, 2325293; 752894, 2325153; 752865, 2325227; 752886, 2325361; 752884, 2325378; 752893, 2325419; 752878, 2325426; 752833, 2325446; 752831, 2325447; 752829, 2325444; 752827, 2325442; 752732, 2325363; 752732, 2325363; 752732, 2325363; 752725, 2325288; 752717, 2325268; 752711, 2325276; 752692, 2325301; 752671, 2325491; 752670, 2325500; 752591, 2325471; 752535, 2325474; 752535, 2325474; 752535, 2325474; 752475, 2325438; 752566, 2325581; 752580, 2325602; 752559, 2325613; 752455, 2325669; 752444, 2325674; 752441, 2325676; 752268, 2325670; 751992, 2325839; 751990, 2325840; 751898, 2325842; 751835, 2325769; 751804, 2325709; 751734, 2325826; 751730, 2325834; 751715, 2325826; 751714, 2325826; 751713, 2325825; 751653, 2325794; 751526, 2325562; 751530, 2325511; 751525, 2325510; 751492, 2325530; 751475, 2325549; 751475, 2325549; 751461, 2325680; 751461, 2325835; 751461, 2325837; 751461, 2325837; 751461, 2325837; 751273, 2325927; 751251, 2325921; 751218, 2325911; 751187, 2325954; 751173, 2325973; 751154, 2325968; 751123,

2325981; 751122, 2325980; 751117, 2326075; 751115, 2326111; 751112, 2326166; return to starting point.

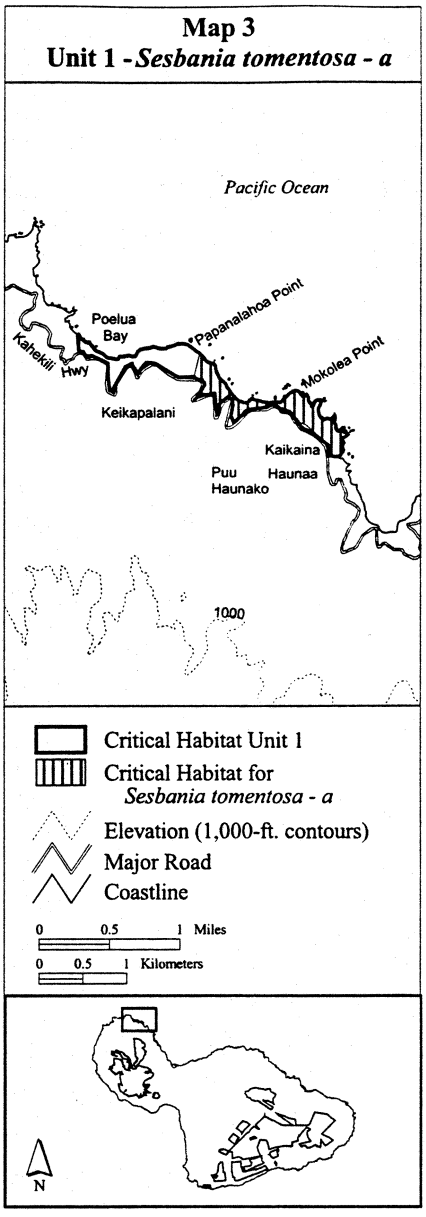
(B) NOTE: Map 2 follows:



(iii) Maui 1—*Sesbania tomentosa*—a (38 ha; 94 ac).

(A) Unit consists of the following 54 boundary points and the intermediate coastline: Start at 752505, 2325951; 754099, 2324756; 754053, 2324754; 754053, 2324754; 753994, 2324762; 753966, 2324896; 753718, 2325117; 753656, 2325144; 753550, 2325285; 753389, 2325341; 753388, 2325342; 753384, 2325343; 753372, 2325347; 753346, 2325356; 753332, 2325352; 753332, 2325352; 753325, 2325353; 753300, 2325342; 753299, 2325342; 753238, 2325323; 753231, 2325321; 753221, 2325320; 753036, 2325303; 752894, 2325153; 752865, 2325227; 752886, 2325361; 752882, 2325396; 752886, 2325418; 752878, 2325426; 752850, 2325454; 752833, 2325446; 752829, 2325444; 752753, 2325409; 752739, 2325369; 752739, 2325369; 752732, 2325363; 752730, 2325339; 752708, 2325279; 752708, 2325280; 752700, 2325498; 752671, 2325491; 752593, 2325471; 752535, 2325474; 752535, 2325474; 752487, 2325446; 752567, 2325578; 752566, 2325581; 752559, 2325613; 752549, 2325657; 752455, 2325669; 752443, 2325670; 752444, 2325674; 752504, 2325951; 752505, 2325951; return to starting point.

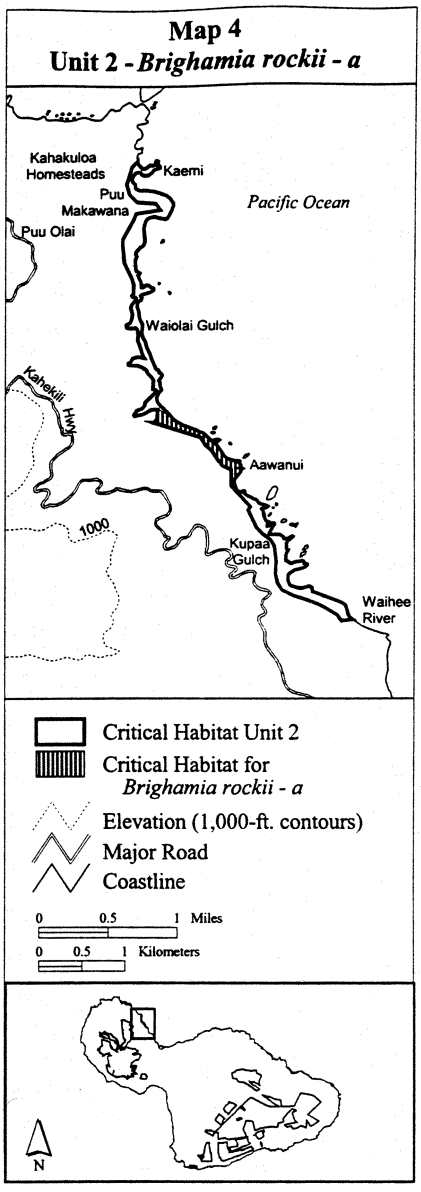
(B) NOTE: Map 3 follows:



(iv) Maui 2—*Brighamia rockii*—a (6 ha; 14 ac).

(A) Unit consists of the following 29 boundary points and the intermediate coastline: Start at 757892, 2319612; 757868, 2319613; 757861, 2319624; 757862, 2319690; 757862, 2319690; 757794, 2319720; 757771, 2319757; 757765, 2319756; 757726, 2319818; 757700, 2319852; 757688, 2319868; 757645, 2319908; 757645, 2319908; 757626, 2319942; 757626, 2319942; 757371, 2320024; 757371, 2320024; 757333, 2320052; 757268, 2320058; 757266, 2320058; 757272, 2320064; 757278, 2320070; 757288, 2320086; 757296, 2320107; 757292, 2320137; 757312, 2320161; 757387, 2320119; 757388, 2320120; 757892, 2319612; return to starting point.

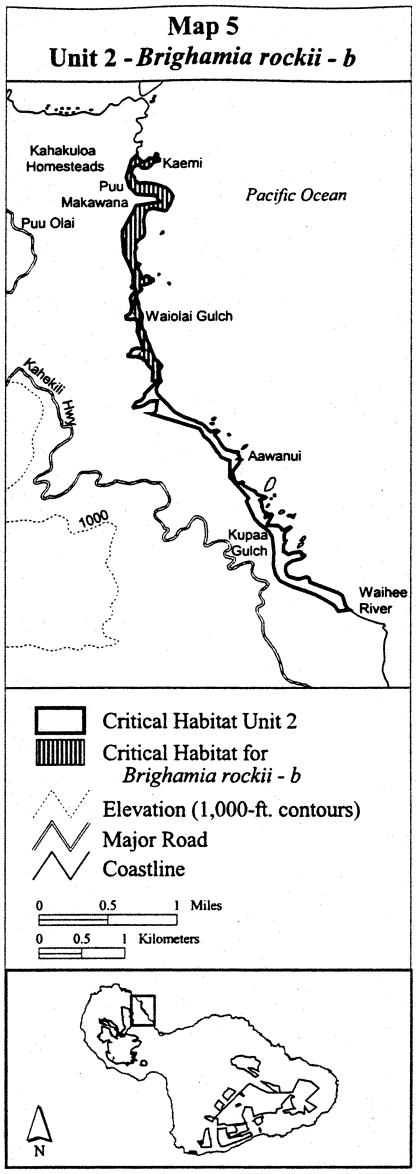
(B) NOTE: Map 4 follows:



(v) Maui 2—*Brighamia rockii*—b (17 ha; 42 ac).

(A) Unit consists of the following 47 boundary points and the intermediate coastline: Start at 757133, 2322103; 757301, 2320290; 757290, 2320310; 757286, 2320313; 757279, 2320318; 757264, 2320330; 757264, 2320389; 757248, 2320415; 757247, 2320416; 757241, 2320425; 757211, 2320467; 757209, 2320469; 757193, 2320485; 757174, 2320504; 757148, 2320525; 757157, 2320542; 757190, 2320563; 757188, 2320568; 757183, 2320582; 757167, 2320630; 757140, 2320705; 757145, 2320746; 757139, 2320784; 757137, 2320794; 757102, 2320856; 757102, 2320918; 757125, 2321030; 757126, 2321037; 757127, 2321042; 757107, 2321136; 757104, 2321149; 757082, 2321207; 757031, 2321316; 757019, 2321449; 757019, 2321491; 757069, 2321583; 757108, 2321658; 757109, 2321661; 757127, 2321696; 757312, 2321727; 757278, 2321778; 757132, 2321784; 757073, 2321843; 757052, 2321922; 757086, 2322052; 757133, 2322103; 757133, 2322103; return to starting point.

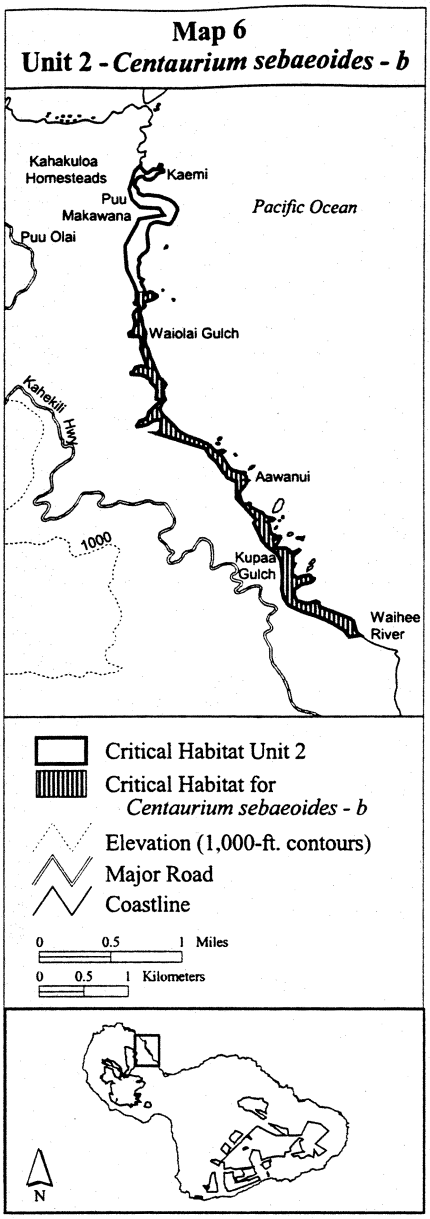
(B) NOTE: Map 5 follows:



(vi) Maui 2—*Centaurium sebaeoides*—b (27 ha; 66 ac).

(A) Unit consists of the following 106 boundary points and the intermediate coastline: Start at 757167, 2321145; 758803, 2318519; 758719, 2318510; 758683, 2318554; 758580, 2318620; 758534, 2318638; 758445, 2318673; 758344, 2318706; 758258, 2318748; 758224, 2318802; 758205, 2318870; 758210, 2318971; 758198, 2319087; 758172, 2319133; 758100, 2319189; 758059, 2319236; 757995, 2319372; 758013, 2319396; 758013, 2319396; 758013, 2319396; 757861, 2319563; 757861, 2319624; 757862, 2319690; 757794, 2319720; 757771, 2319757; 757727, 2319831; 757700, 2319852; 757658, 2319885; 757645, 2319908; 757626, 2319942; 757371, 2320024; 757267, 2320057; 757268, 2320058; 757272, 2320064; 757287, 2320085; 757291, 2320139; 757294, 2320164; 757273, 2320164; 757242, 2320158; 757201, 2320133; 757176, 2320121; 757115, 2320110; 757111, 2320116; 757132, 2320151; 757173, 2320169; 757193, 2320192; 757198, 2320217; 757211, 2320231; 757274, 2320293; 757290, 2320303; 757286, 2320313; 757285, 2320316; 757279, 2320318; 757259, 2320326; 757259, 2320339; 757260, 2320395; 757247, 2320416; 757243, 2320423; 757241, 2320425; 757213, 2320452; 757209, 2320469; 757205, 2320484; 757193, 2320485; 757184, 2320485; 757169, 2320504; 757152, 2320502; 757143, 2320509; 757089, 2320510; 757068, 2320516; 757067, 2320526; 757083, 2320535; 757093, 2320554; 757100, 2320567; 757138, 2320580; 757188, 2320568; 757191, 2320567; 757183, 2320582; 757171, 2320606; 757168, 2320622; 757167, 2320630; 757156, 2320685; 757142, 2320706; 757148, 2320745; 757139, 2320784; 757136, 2320795; 757126, 2320807; 757087, 2320802; 757054, 2320808; 757050, 2320822; 757051, 2320829; 757079, 2320846; 757094, 2320878; 757098, 2320909; 757087, 2320942; 757083, 2320967; 757092, 2320990; 757125, 2321030; 757127, 2321033; 757126, 2321037; 757124, 2321043; 757096, 2321047; 757094, 2321055; 757103, 2321074; 757107, 2321136; 757107, 2321139; 757167, 2321145; return to starting point.

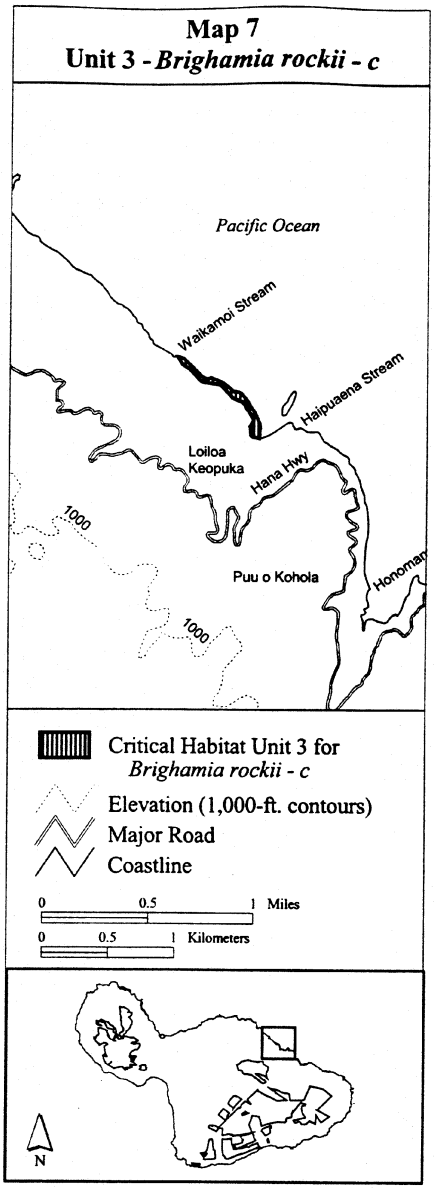
(B) NOTE: Map 6 follows:



(vii) Maui 3—*Brighamia rockii*—c (4 ha; 9 ac).

(A) Unit consists of the following 31 boundary points and the intermediate coastline: Start at 793379, 2311347; 793988, 2310722; 793937, 2310735; 793921, 2310750; 793918, 2310815; 793926, 2310829; 793943, 2310864; 793938, 2310875; 793940, 2310881; 793940, 2310881; 793940, 2310881; 793940, 2310881; 793940, 2310881; 793931, 2310894; 793906, 2310935; 793885, 2310962; 793883, 2310973; 793856, 2311001; 793796, 2311026; 793781, 2311037; 793781, 2311037; 793768, 2311053; 793690, 2311134; 793635, 2311144; 793569, 2311152; 793544, 2311158; 793534, 2311167; 793459, 2311247; 793399, 2311287; 793362, 2311345; 793379, 2311347; return to starting point.

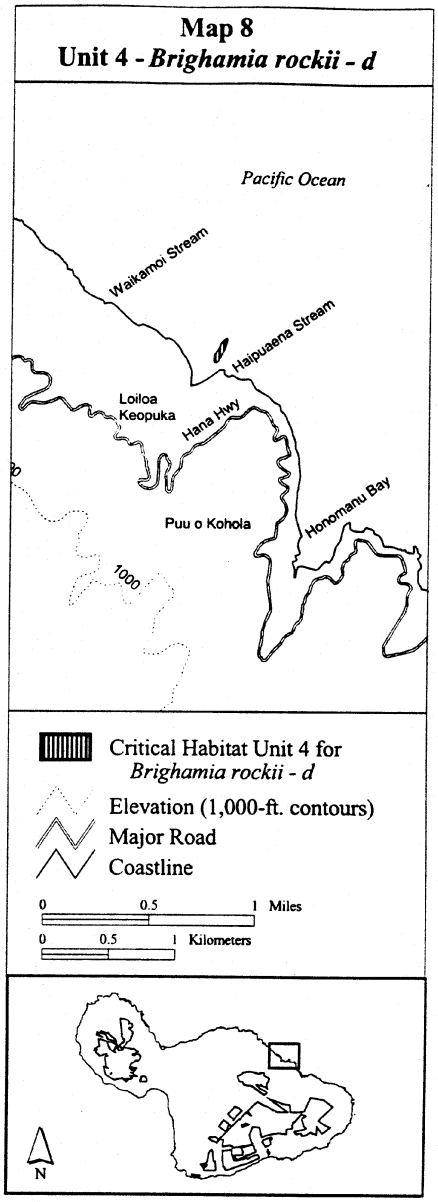
(B) NOTE: Map 7 follows:



(viii) Maui 4—*Brighamia rockii*—d (1 ha; 2 ac).

(A) Unit consists of the entire offshore island located at approximately: 794212, 2310986.

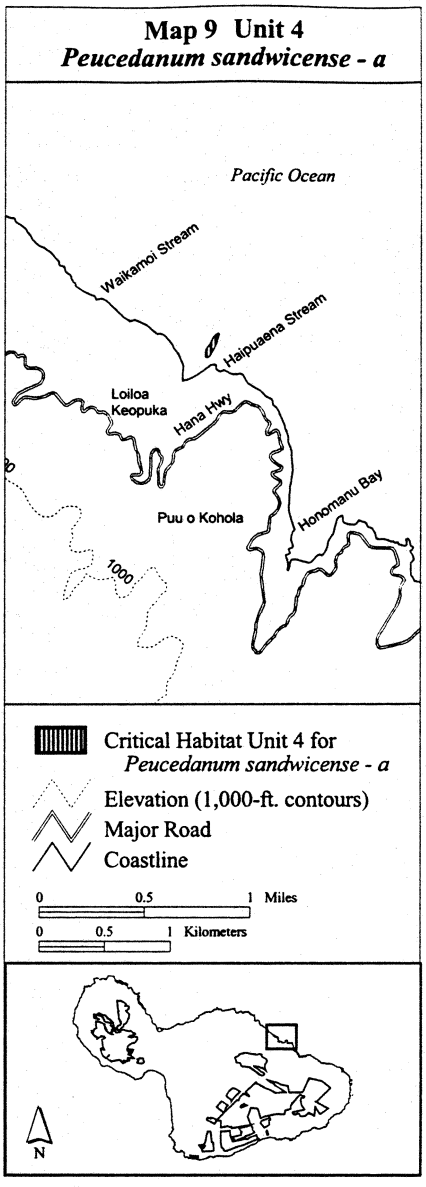
(B) NOTE: Map 8 follows:



(ix) Maui 4—*Peucedanum sandwicense*—a (1 ha; 2 ac).

(A) Unit consists of the entire offshore island located at approximately: 794212, 2310986.

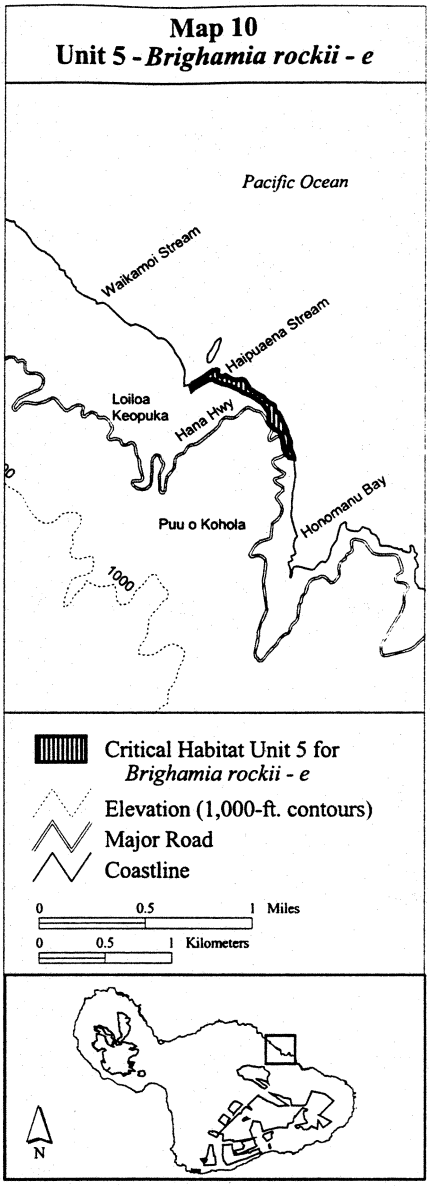
(B) NOTE: Map 9 follows:



(x) Maui 5—*Brighamia rockii*—e (6 ha; 15 ac).

(A) Unit consists of the following 46 boundary points and the intermediate coastline: Start at 794814, 2310166; 794778, 2310176; 794770, 2310182; 794756, 2310193; 794756, 2310217; 794742, 2310240; 794739, 2310261; 794733, 2310282; 794733, 2310282; 794733, 2310282; 794732, 2310303; 794731, 2310313; 794728, 2310324; 794728, 2310324; 794728, 2310324; 794721, 2310337; 794712, 2310344; 794707, 2310362; 794706, 2310368; 794706, 2310368; 794706, 2310368; 794665, 2310393; 794660, 2310404; 794652, 2310413; 794642, 2310419; 794632, 2310428; 794632, 2310428; 794629, 2310436; 794625, 2310446; 794622, 2310523; 794573, 2310595; 794492, 2310647; 794439, 2310671; 794411, 2310685; 794335, 2310724; 794326, 2310728; 794266, 2310740; 794242, 2310754; 794222, 2310764; 794210, 2310773; 794177, 2310772; 794066, 2310705; 794050, 2310688; 794040, 2310715; 794043, 2310738; 794043, 2310738; return to starting point.

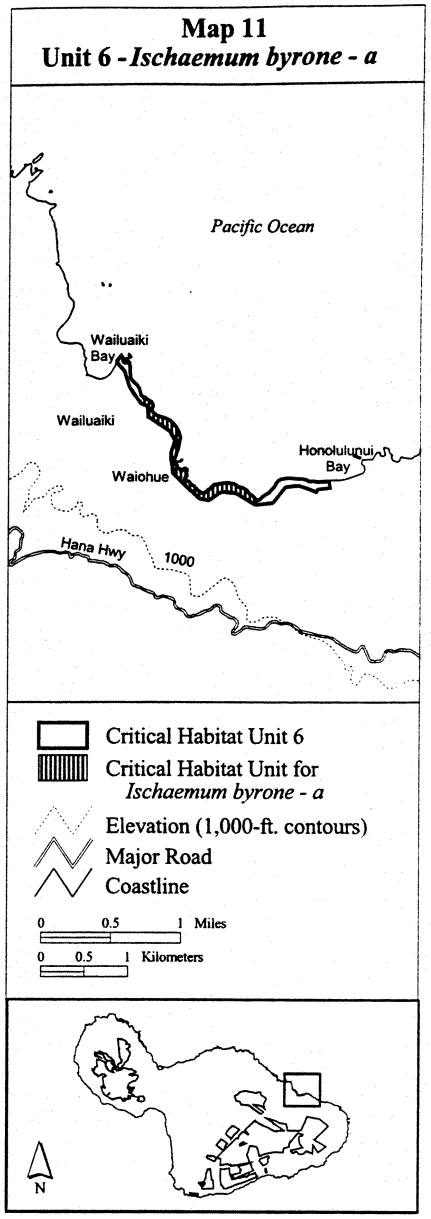
(B) NOTE: Map 10 follows:



(xi) Maui 6—*Ischaemum byrone*—a (17 ha; 43 ac).

(A) Unit consists of the following 34 boundary points and the intermediate coastline: Start at 799822, 2306499; 801132, 2305284; 801131, 2305234; 801117, 2305232; 801048, 2305275; 800891, 2305373; 800731, 2305387; 800581, 2305284; 800517, 2305297; 800481, 2305305; 800472, 2305307; 800472, 2305307; 800265, 2305505; 800166, 2305599; 800166, 2305599; 800166, 2305599; 800159, 2305694; 800147, 2305843; 800147, 2305849; 800147, 2305849; 800190, 2305990; 800138, 2306094; 800138, 2306094; 800060, 2306148; 800001, 2306188; 800001, 2306188; 799917, 2306240; 799879, 2306263; 799874, 2306386; 799796, 2306425; 799795, 2306425; 799795, 2306425; 799795, 2306425; 799822, 2306499; return to starting point.

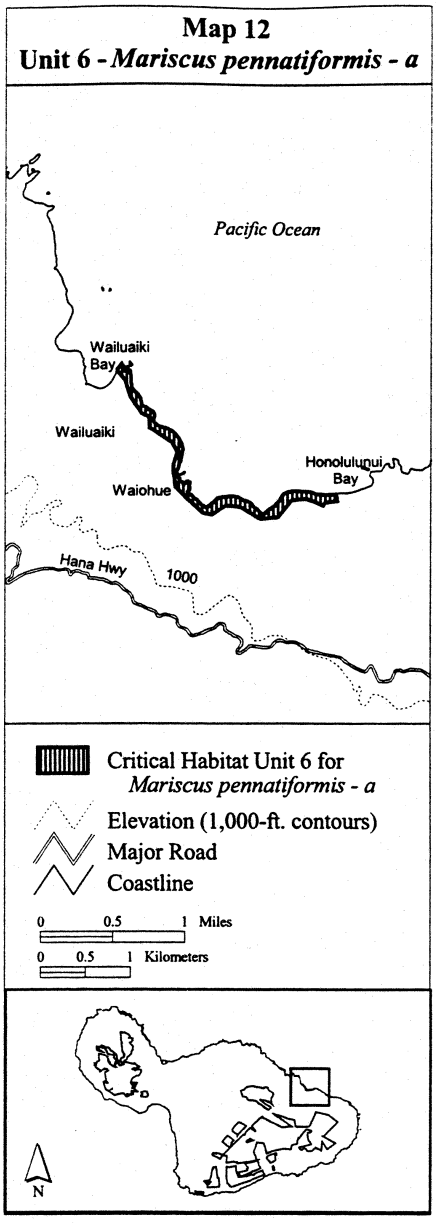
(B) NOTE: Map 11 follows:



(xii) Maui 6—*Mariscus pennatiformis*—a (30 ha; 75 ac).

(A) Unit consists of the following 47 boundary points and the intermediate coastline: Start at 799656, 2306630; 799606, 2306800; 799516, 2306902; 799516, 2306902; 801972, 2305512; 801972, 2305512; 801981, 2305435; 801840, 2305416; 801825, 2305385; 801734, 2305421; 801628, 2305464; 801558, 2305455; 801466, 2305444; 801320, 2305260; 801117, 2305232; 801067, 2305263; 801048, 2305275; 800896, 2305373; 800734, 2305390; 800586, 2305288; 800517, 2305297; 800517, 2305297; 800481, 2305305; 800481, 2305305; 800289, 2305482; 800265, 2305505; 800171, 2305595; 800159, 2305694; 800150, 2305769; 800147, 2305842; 800147, 2305843; 800171, 2305927; 800190, 2305990; 800156, 2306059; 800136, 2306101; 800060, 2306148; 800060, 2306148; 800001, 2306188; 799917, 2306240; 799917, 2306240; 799886, 2306262; 799874, 2306391; 799795, 2306425; 799789, 2306428; 799723, 2306527; 799721, 2306530; 799656, 2306630; return to starting point.

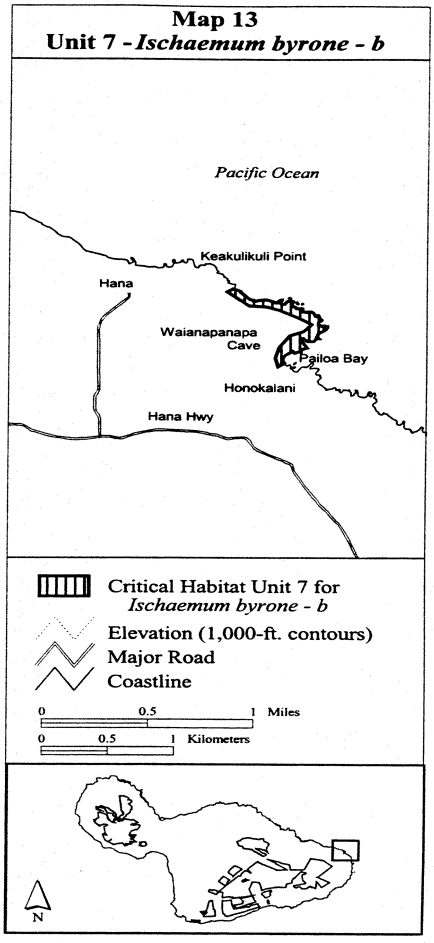
(B) NOTE: Map 12 follows:



(xiii) Maui 7—*Ischaemum byrone*—b (11 ha; 27 ac).

(A) Unit consists of the following 15 boundary points and the intermediate coastline: Start at 811597, 2302341; 811983, 2301617; 811982, 2301617; 811936, 2301585; 811916, 2301671; 811945, 2301774; 812026, 2301885; 812133, 2301927; 812193, 2301995; 812092, 2302061; 811938, 2302135; 811849, 2302164; 811717, 2302172; 811546, 2302307; 811597, 2302341; return to starting point.; return to starting point.

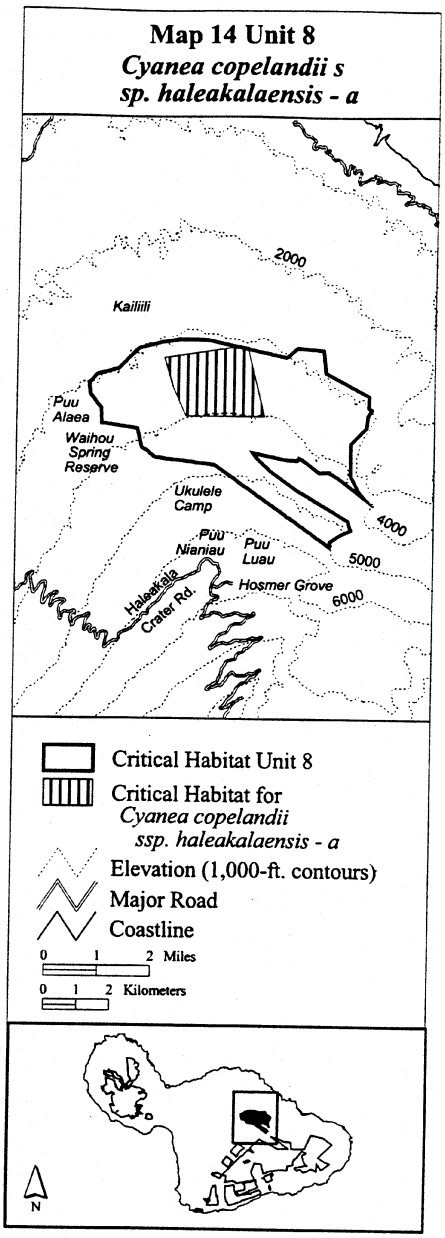
(B) NOTE: Map 13 follows:



(xiv) Maui 8—*Cyanea copelandii* ssp. *haleakalaensis*—a (501 ha; 1,238 ac).

(A) Unit consists of the following 10 boundary points: Start at 787682, 2306203; 787708, 2306208; 787902, 2306166; 787967, 2306151; 788003, 2306143; 788005, 2306134; 788521, 2304072; 786138, 2304072; 785730, 2304957; 785457, 2305842; return to starting point.

(B) NOTE: Map 14 follows:

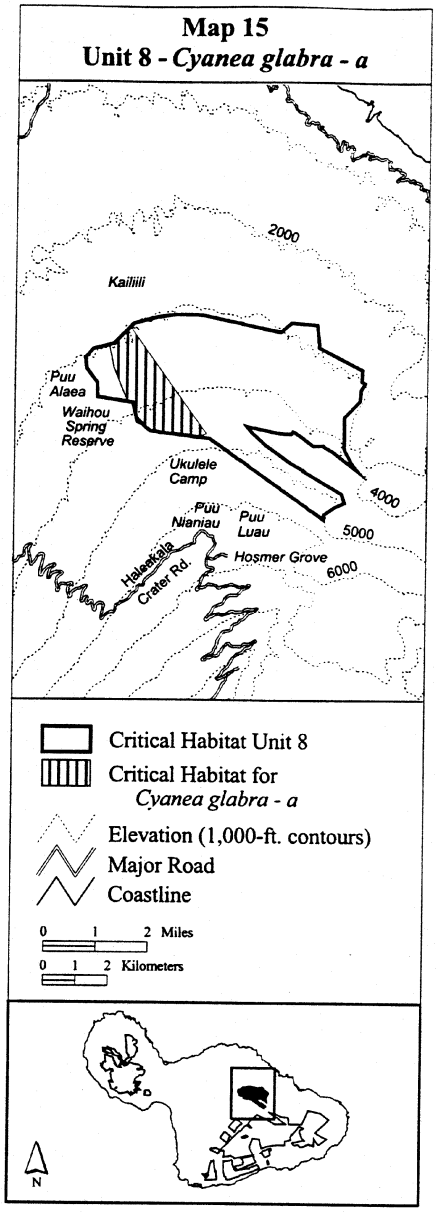


(xv) Maui 8—*Cyanea glabra*—a (450 ha; 1,112 ac).

(A) Unit consists of the following 29 boundary points: Start at 783933, 2305472; 783933, 2305473; 783961, 2305480; 784075, 2305511; 784100, 2305536; 784575,

2306024; 784578, 2306020; 786938, 2302713; 786676, 2302611; 786661, 2302613; 786491, 2302633; 786339, 2302653; 786280, 2302660; 786106, 2302680; 786032, 2302690; 785884, 2302707; 785796, 2302718; 785680, 2302732; 785510, 2302753; 785357, 2302772; 785246, 2302785; 785242, 2302786; 785188, 2302835; 784760, 2303276; 784660, 2303678; 784487, 2303704; 784079, 2304760; 784008, 2305132; 783955, 2305292; return to starting point.

(B) NOTE: Map 15 follows:

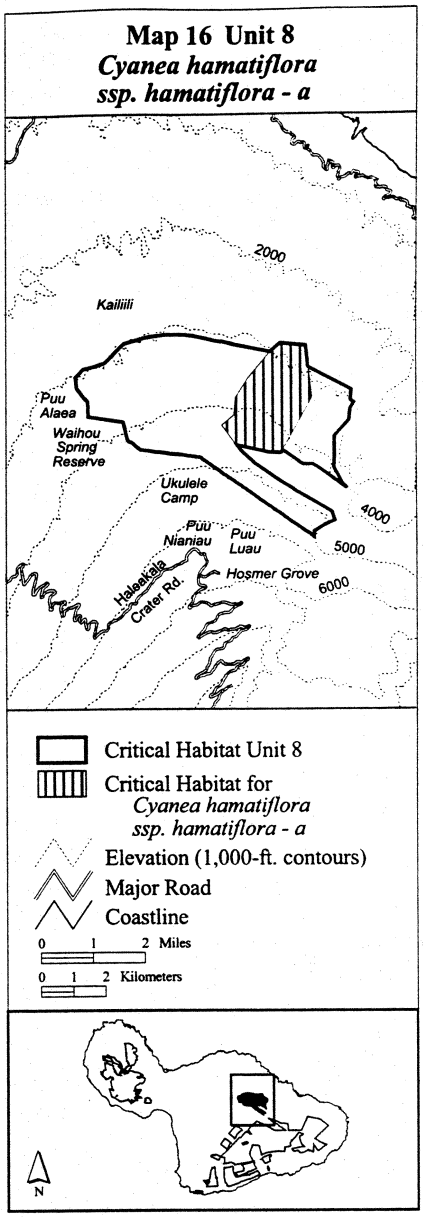


(xvi) Maui 8—*Cyanea hamatiflora* ssp. *hamatiflora*—a (611 ha; 1,509 ac).

(A) Unit consists of the following 17 boundary points: Start at 789198, 2305890; 789215, 2305911; 789515, 2306162; 790281, 2306097; 790352, 2305511; 790360, 2305448; 790364, 2305412; 790482, 2304451;

789577, 2302791; 789530, 2302705; 789179, 2302726; 788179, 2302942; 788149, 2302948; 787716, 2303565; 788077, 2303893; 788127, 2304437; 788521, 2305059; return to starting point.

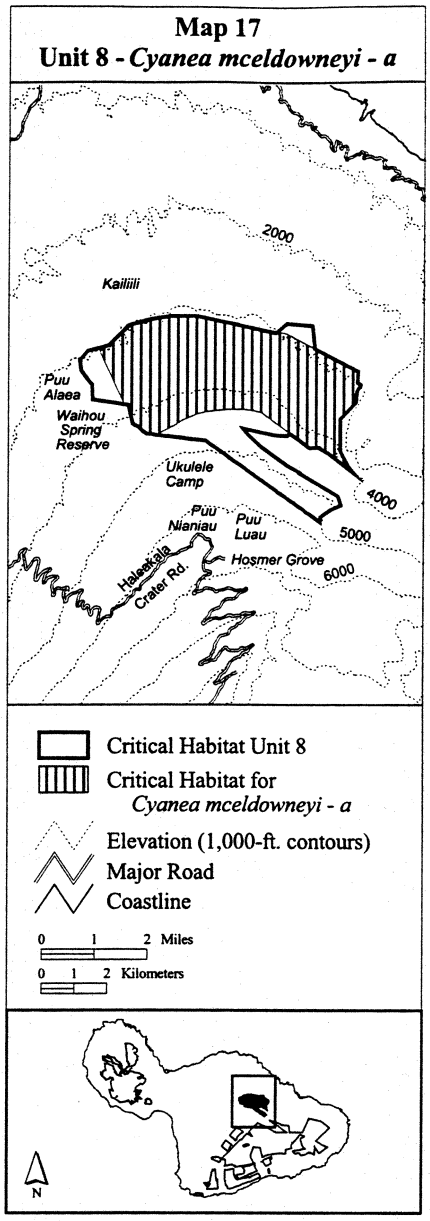
(B) NOTE: Map 16 follows:



(xvii) Maui 8—*Cyanea mceldowneyi*—a (2,127 ha; 5,256 ac).

(A) Unit consists of the following 56 boundary points: Start at 784578, 2306020; 784691, 2306136; 785400, 2306325; 785976, 2306411; 786598, 2306408; 786651, 2306403; 786837, 2306385; 787682, 2306203; 788005, 2306134; 789162, 2305885; 789198, 2305890; 789297, 2305904; 789492, 2305870; 790364, 2305412; 791696, 2304712; 791696, 2304710; 791671, 2304359; 791781, 2304297; 791780, 2304294; 791653, 2304101; 791627, 2303742; 791158, 2303230; 791158, 2302616; 791149, 2302250; 791407, 2301760; 791550, 2301582; 790766, 2302188; 790511, 2302348; 790503, 2302354; 790502, 2302354; 790198, 2302345; 790198, 2302344; 789827, 2302625; 788750, 2303441; 788540, 2303493; 788181, 2303547; 787765, 2303538; 787076, 2303479; 786758, 2303386; 786339, 2303226; 786095, 2303051; 785740, 2302863; 785554, 2302748; 785510, 2302753; 785357, 2302772; 785246, 2302785; 785206, 2302791; 785067, 2302898; 784947, 2303017; 784875, 2303047; 784803, 2303101; 784660, 2303678; 784551, 2303694; 783794, 2305326; 784087, 2305516; 784183, 2305615; return to starting point.

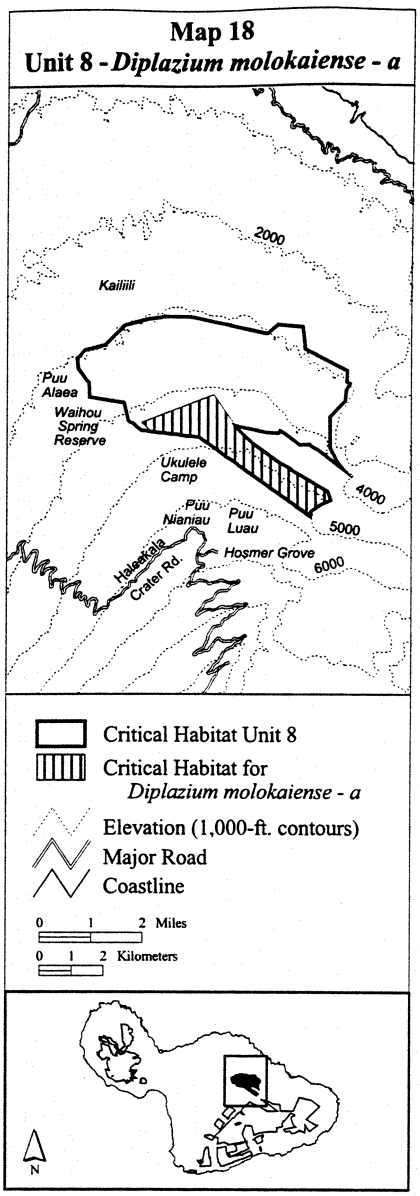
(B) NOTE: Map 17 follows:



(xviii) Maui 8—*Diplazium molokaiense*—a (574 ha; 1,419 ac).

(A) Unit consists of the following 91 boundary points: Start at 788179, 2302942; 788284, 2302790; 788714, 2302383; 789527, 2301802; 789911, 2301569; 789906, 2301556; 791083, 2300859; 791083, 2300858; 791164, 2300577; 790858, 2300440; 790545, 2300227; 790534, 2300210; 790469, 2300111; 790425, 2300143; 790396, 2300164; 790270, 2300253; 790224, 2300285; 790198, 2300304; 790089, 2300382; 790055, 2300406; 790028, 2300425; 789912, 2300508; 789880, 2300531; 789749, 2300625; 789706, 2300655; 789647, 2300697; 789572, 2300752; 789531, 2300780; 789502, 2300802; 789471, 2300823; 789458, 2300832; 789393, 2300880; 789355, 2300906; 789339, 2300917; 789210, 2301009; 789182, 2301030; 789152, 2301051; 789038, 2301132; 789009, 2301153; 788981, 2301173; 788864, 2301257; 788834, 2301279; 788804, 2301301; 788692, 2301381; 788635, 2301422; 788527, 2301498; 788489, 2301526; 788434, 2301565; 788343, 2301629; 788313, 2301650; 788288, 2301668; 788190, 2301738; 788141, 2301774; 788117, 2301792; 787998, 2301875; 787965, 2301899; 787938, 2301919; 787838, 2301989; 787796, 2302020; 787771, 2302038; 787661, 2302116; 787622, 2302144; 787597, 2302162; 787492, 2302236; 787423, 2302286; 787307, 2302369; 787253, 2302408; 787141, 2302489; 787105, 2302512; 787079, 2302531; 787026, 2302568; 787026, 2302569; 786951, 2302579; 786738, 2302604; 786661, 2302613; 786491, 2302633; 786339, 2302653; 786280, 2302660; 786106, 2302680; 786032, 2302690; 785884, 2302707; 785796, 2302718; 785680, 2302732; 785510, 2302753; 785504, 2302754; 785239, 2303033; 785221, 2303039; 785230, 2303043; 785221, 2303052; 785248, 2303050; 787496, 2303927; return to starting point.

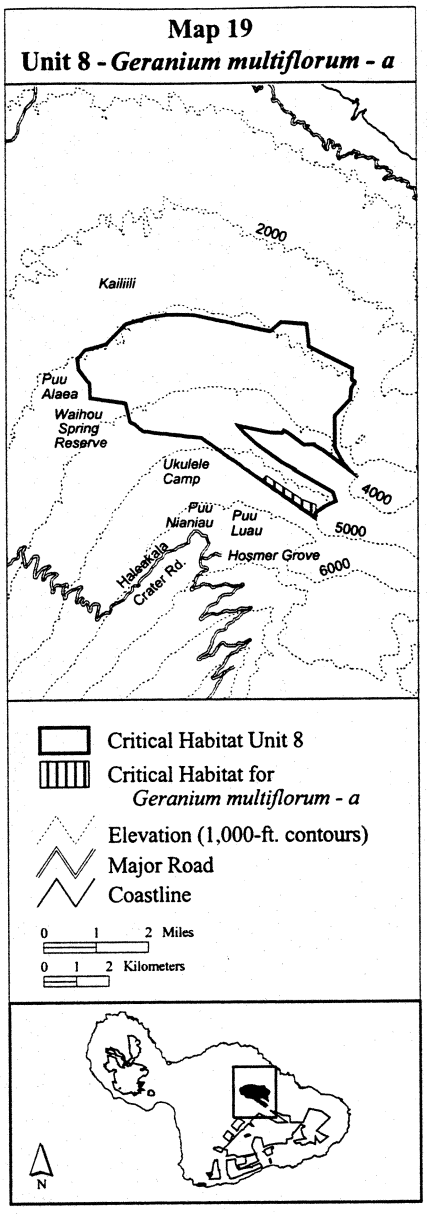
(B) NOTE: Map 18 follows:



(xix) Maui 8—*Geranium multiflorum*—a (46 ha; 113 ac).

(A) Unit consists of the following 32 boundary points: Start at 790534, 2300210; 790525, 2300071; 790425, 2300143; 790396, 2300164; 790270, 2300253; 790224, 2300285; 790198, 2300304; 790089, 2300382; 790055, 2300406; 790028, 2300425; 789912, 2300508; 789880, 2300531; 789749, 2300625; 789706, 2300655; 789647, 2300697; 789572, 2300752; 789531, 2300780; 789502, 2300802; 789466, 2300826; 789393, 2300880; 789355, 2300906; 789339, 2300917; 789210, 2301009; 789182, 2301030; 789152, 2301051; 789038, 2301132; 789009, 2301153; 788981, 2301173; 788881, 2301245; 789034, 2301393; 790128, 2300638; 790551, 2300470; return to starting point.

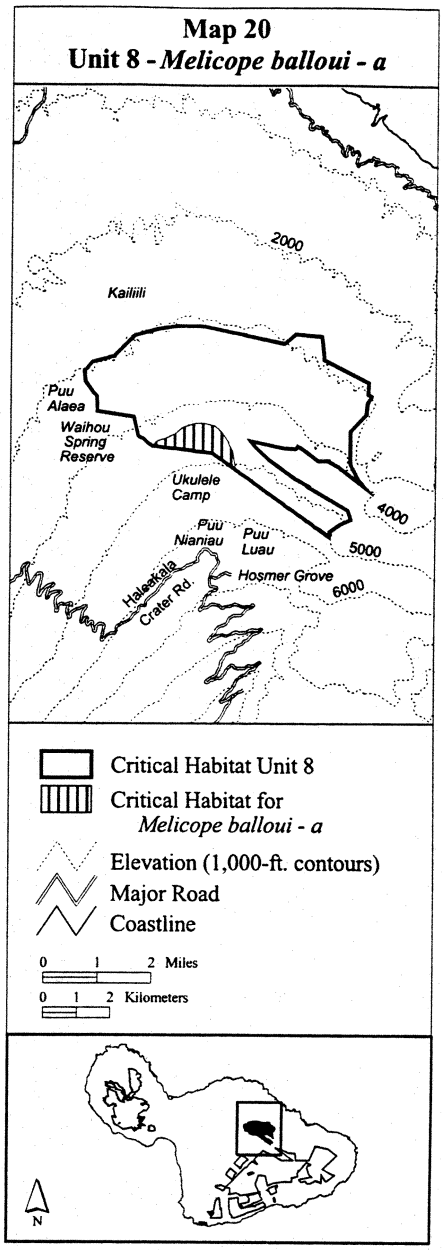
(B) NOTE: Map 19 follows:



(xx) Maui 8—*Melicope balloui*—a (151 ha; 374 ac).

(A) Unit consists of the following 42 boundary points: Start at 787661, 2302116; 787622, 2302144; 787597, 2302162; 787492, 2302236; 787423, 2302286; 787307, 2302369; 787253, 2302408; 787141, 2302489; 787105, 2302512; 787079, 2302531; 787026, 2302568; 787026, 2302569; 786951, 2302579; 786738, 2302604; 786661, 2302613; 786491, 2302633; 786339, 2302653; 786280, 2302660; 786106, 2302680; 786032, 2302690; 785884, 2302707; 785796, 2302718; 785680, 2302732; 785510, 2302753; 785357, 2302772; 785248, 2302785; 785306, 2302888; 785406, 2302943; 785630, 2303011; 785923, 2303157; 786143, 2303330; 786357, 2303424; 786541, 2303481; 786781, 2303481; 787100, 2303408; 787288, 2303230; 787513, 2302911; 787513, 2302859; 787634, 2302639; 787702, 2302252; 787717, 2302148; 787677, 2302105; return to starting point.

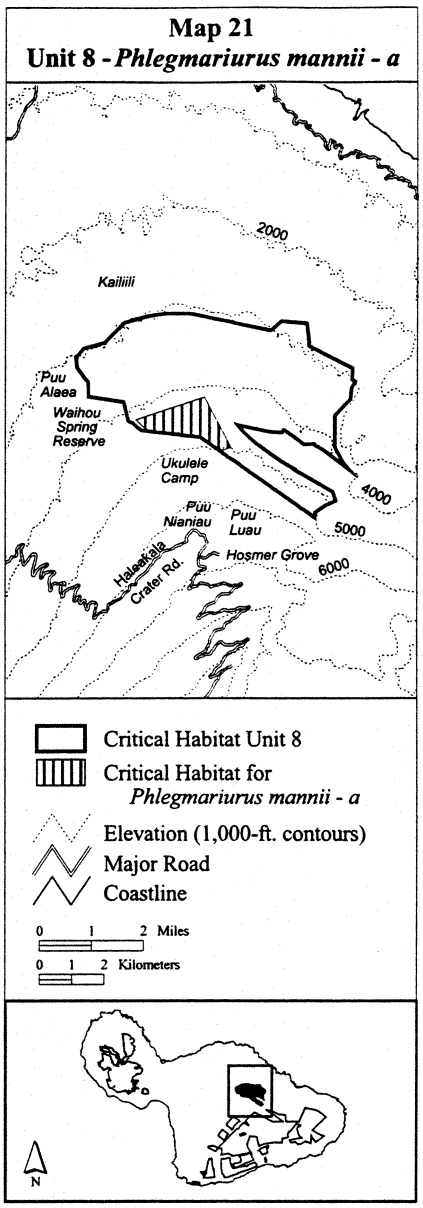
(B) NOTE: Map 20 follows:



(xxi) Maui 8—*Phlegmariurus mannii*—a (221 ha; 547 ac).

(A) Unit consists of the following 28 boundary points: Start at 787622, 2302144; 787597, 2302162; 787492, 2302236; 787423, 2302286; 787307, 2302369; 787253, 2302408; 787141, 2302489; 787105, 2302512; 787079, 2302531; 787026, 2302568; 787026, 2302569; 786951, 2302579; 786738, 2302604; 786661, 2302613; 786491, 2302633; 786339, 2302653; 786280, 2302660; 786106, 2302680; 786032, 2302690; 785884, 2302707; 785796, 2302718; 785680, 2302732; 785510, 2302753; 785414, 2302765; 785047, 2303112; 787157, 2303805; 787966, 2302253; 787643, 2302129; return to starting point.

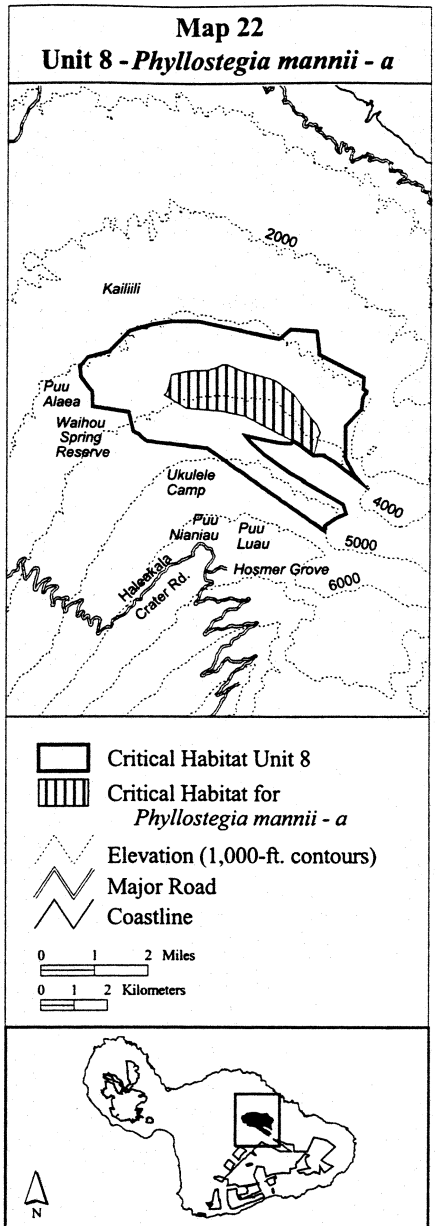
(B) NOTE: Map 21 follows:



(xxii) Maui 8—*Phyllostegia mannii*—a (570 ha; 1,407 ac).

(A) Unit consists of the following 26 boundary points: Start at 789827, 2302625; 789610, 2302774; 789577, 2302791; 788148, 2303539; 787484, 2303692; 786396, 2303777; 785739, 2304188; 785794, 2304239; 785860, 2304480; 785944, 2304792; 786485, 2304912; 787026, 2304936; 787302, 2305014; 787488, 2305093; 787615, 2305093; 788065, 2304906; 788906, 2304672; 789100, 2304588; 789615, 2304203; 789825, 2303873; 790084, 2303525; 790288, 2303290; 790396, 2303032; 790324, 2302870; 790294, 2302671; 790206, 2302365; return to starting point.

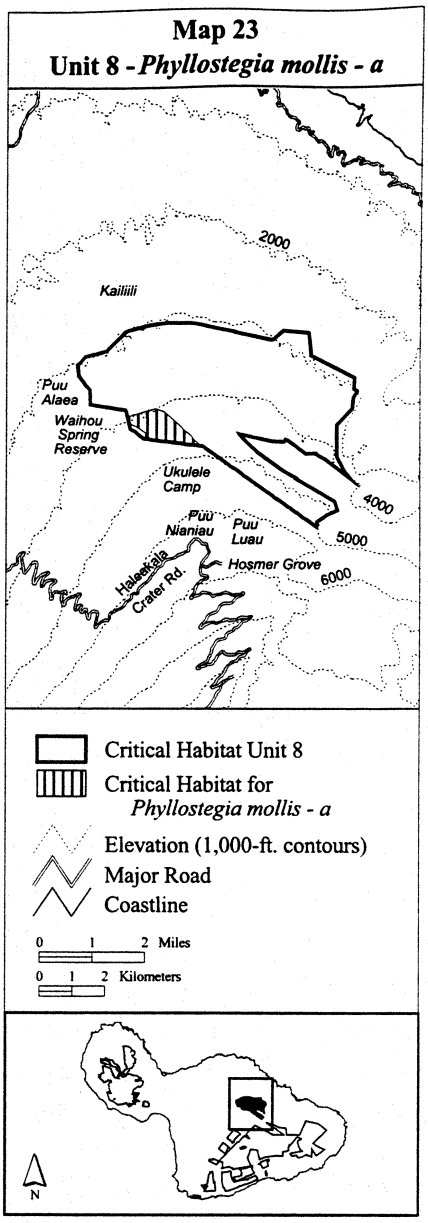
(B) NOTE: Map 22 follows:



(xxiii) Maui 8—*Phyllostegia mollis*—a (128 ha; 316 ac).

(A) Unit consists of the following 20 boundary points: Start at 785938, 2302701; 785884, 2302707; 785796, 2302718; 785680, 2302732; 785510, 2302753; 785357, 2302772; 785247, 2302785; 785274, 2302870; 785281, 2302986; 784974, 2303191; 784840, 2303242; 784725, 2303477; 785401, 2303682; 785589, 2303726; 785845, 2303639; 786322, 2303224; 786467, 2303065; 786660, 2302911; 786775, 2302757; 786962, 2302596; return to starting point.

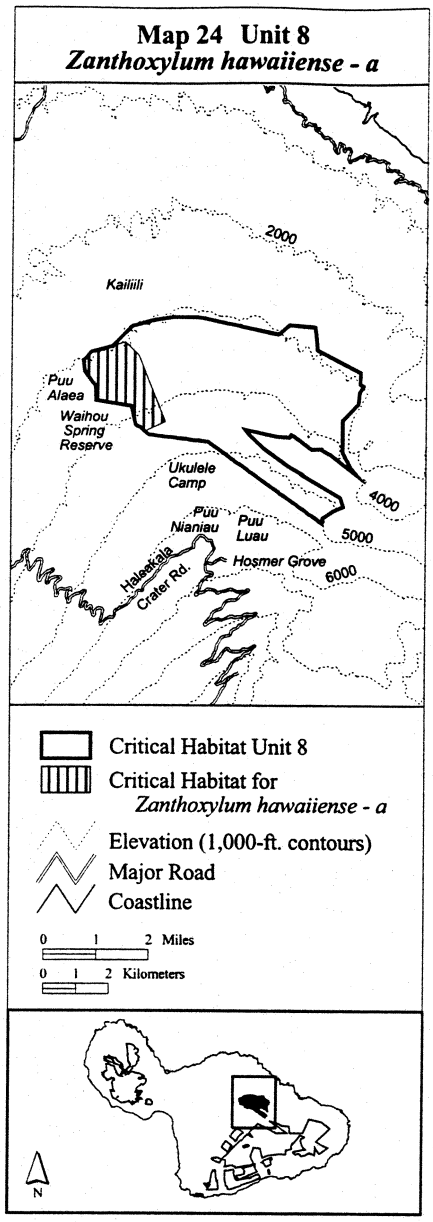
(B) NOTE: Map 23 follows:



(xxiv) Maui 8—*Zanthoxylum hawaiiense*—a (362 ha; 895 ac)

(A) Unit consists of the following 24 boundary points: Start at 783221, 2305104; 783425, 2305329; 783765, 2305418; 783933, 2305472; 783961, 2305480; 783967, 2305482; 784075, 2305511; 784083, 2305519; 784480, 2305646; 784882, 2305244; 785713, 2303193; 785079, 2302889; 785056, 2302911; 784947, 2303017; 784803, 2303101; 784660, 2303678; 783584, 2303838; 783583, 2303838; 783559, 2304310; 783487, 2304405; 783488, 2304406; 783486, 2304406; 783228, 2304747; 783196, 2305076; return to starting point.

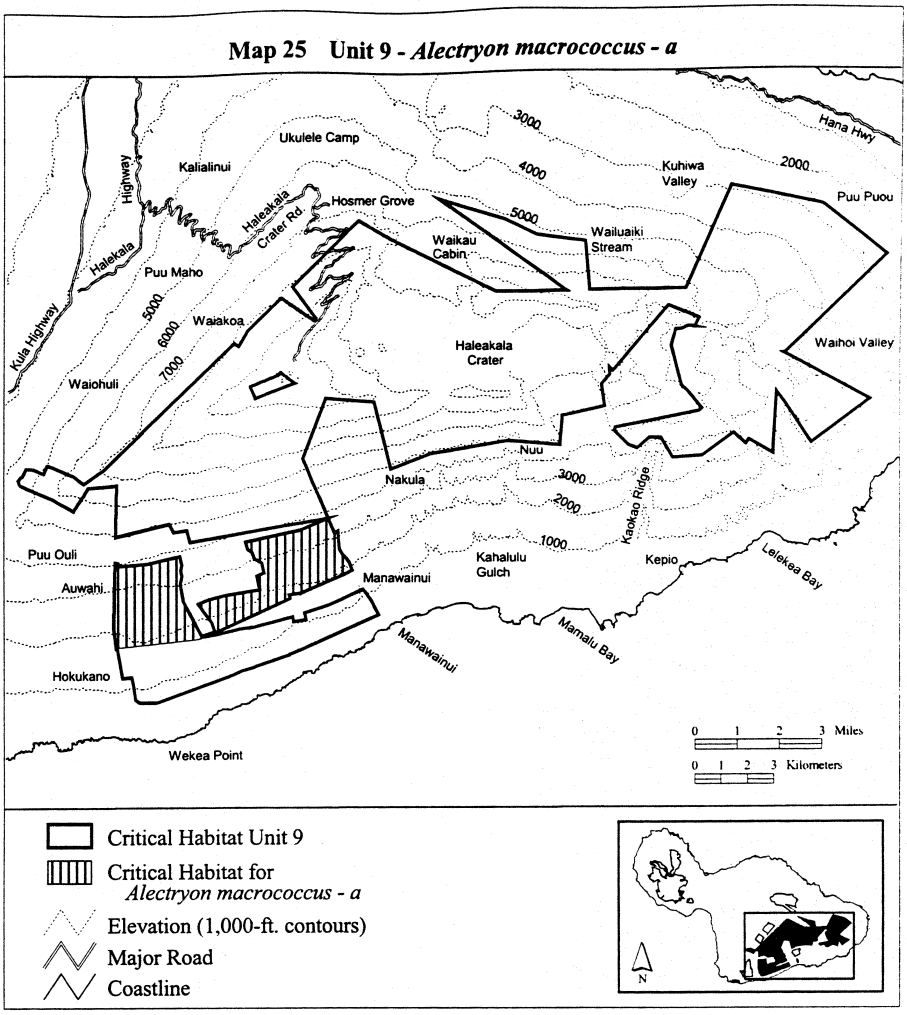
(B) NOTE: Map 24 follows:



(xxv) Maui 9—*Alectryon macrococcus*—a (1,893 ha; 4,678 ac).

(A) Unit consists of the following 87 boundary points: Start at 787503, 2286804; 787552, 2286825; 787793, 2286254; 787882, 2286300; 787924, 2286322; 787969, 2285836; 787982, 2285645; 788112, 2285409; 788112, 2285408; 788269, 2285261; 788387, 2285086; 788485, 2284821; 788486, 2284815; 788116, 2284626; 788115, 2284625; 786708, 2284032; 786514, 2283946; 786511, 2283963; 786509, 2283964; 786072, 2283891; 786071, 2283889; 786091, 2283757; 785721, 2283591; 782955, 2282353; 782675, 2282228; 779507, 2281898; 779470, 2281894; 779468, 2281911; 779453, 2282018; 779433, 2282157; 779422, 2282233; 779414, 2282298; 779404, 2282370; 779384, 2282500; 779372, 2282586; 779369, 2282603; 779370, 2282710; 779372, 2282813; 779377, 2282926; 779379, 2283091; 779379, 2283156; 779384, 2283260; 779385, 2283362; 779386, 2283461; 779389, 2283570; 779391, 2283672; 779394, 2283769; 779397, 2283875; 779398, 2283992; 779401, 2284094; 779401, 2284203; 779403, 2284241; 779406, 2284322; 779413, 2284560; 779419, 2284768; 779424, 2284997; 779552, 2285008; 780605, 2285094; 781897, 2285373; 781955, 2285060; 781922, 2284849; 781966, 2284605; 781901, 2284319; 782031, 2283673; 782383, 2282985; 782730, 2282341; 782731, 2282340; 783230, 2282513; 783231, 2282514; 783231, 2282515; 783112, 2282851; 782588, 2283565; 782997, 2283742; 783717, 2283910; 784941, 2284105; 784942, 2284105; 784943, 2284107; 784824, 2284610; 785088, 2284723; 785089, 2284725; 785013, 2285109; 785013, 2285110; 784720, 2285273; 784639, 2285527; 784482, 2285614; 784385, 2285911; 786496, 2286367; return to starting point.

(B) NOTE: Map 25 follows:



(xxvi) Maui 9—*Argyroxiphium sandwicense* ssp. *macrocephalum*—a (9,041 ha; 22,340 ac).

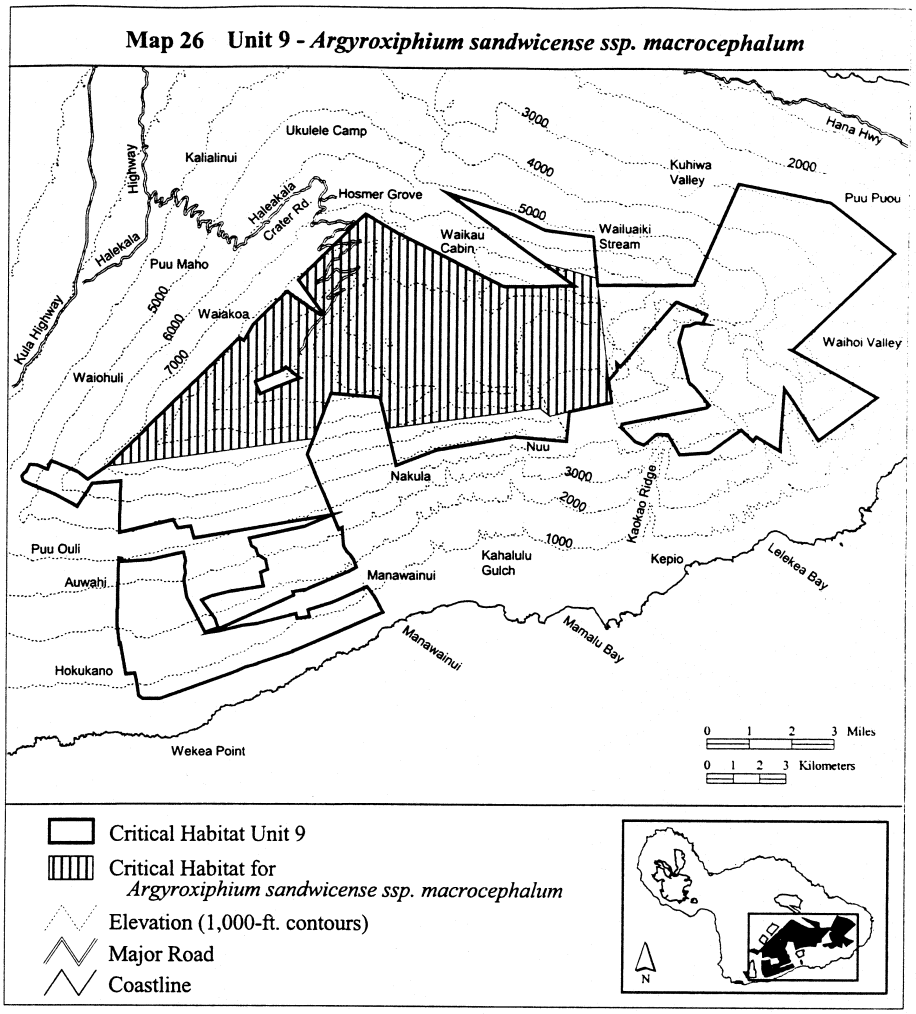
(A) Unit consists of the following 159 boundary points: Start at 778986, 2288684; 778989, 2288687; 779048, 2288746; 779070, 2288768; 780400, 2290082; 780392, 2290088; 780380, 2290097; 781358, 2291060; 781772, 2291467; 783957, 2293620; 784132, 2293514; 784471, 2294125; 785753, 2295387; 785766, 2295377; 785773, 2295373; 785784, 2295366; 785798, 2295356; 785812, 2295346; 785831, 2295333; 785843, 2295325; 785871, 2295305; 785887, 2295294; 785904, 2295283; 785906, 2295281; 785922, 2295270; 785931, 2295264; 785949, 2295252; 785962, 2295242; 785975, 2295233; 785995, 2295220; 786007, 2295211; 786012, 2295208; 786032, 2295194; 786034, 2295193; 786047, 2295183; 786054, 2295179; 786071, 2295167; 786099, 2295147; 786102, 2295145; 786104, 2295144; 786108, 2295141; 786113, 2295137; 786127, 2295127; 786136, 2295121; 786146, 2295115; 786153, 2295110; 786155, 2295108; 786173, 2295096; 786193, 2295082; 786225, 2295060; 786238, 2295051; 786290, 2295015; 786293, 2295013; 786317, 2294997; 786332, 2294986; 786344, 2294978; 786351, 2294973; 786354, 2294971;

786363, 2294965; 786368, 2294961; 786378, 2294954; 786390, 2294945; 786395, 2294943; 786413, 2294930; 786415, 2294929; 786420, 2294926; 786424, 2294923; 786464, 2294895; 786474, 2294887; 786483, 2294882; 786493, 2294875; 786507, 2294865; 786518, 2294857; 786525, 2294853; 786537, 2294844; 786558, 2294830; 786582, 2294813; 786597, 2294803; 786600, 2294801; 786616, 2294789; 786634, 2294777; 786668, 2294753; 786701, 2294730; 786716, 2294721; 786759, 2294691; 786775, 2294680; 786777, 2294679; 786791, 2294668; 786810, 2294655; 786824, 2294646; 786843, 2294633; 786895, 2294597; 786905, 2294591; 786915, 2294583; 786917, 2294582; 786938, 2294566; 786957, 2294554; 786990, 2294532; 787001, 2294523; 787015, 2294513; 787022, 2294508; 787024, 2294508; 787025, 2294508; 787038, 2294530; 787082, 2294593; 786188, 2295812; 788190, 2297786; 788404, 2297994; 788742, 2298301; 788752, 2298310; 788754, 2298309; 788785, 2298291; 788906, 2298219; 788934, 2298204; 788940, 2298201; 788942, 2298200; 788965, 2298185; 789012, 2298158; 789034, 2298146; 789372, 2297947; 789683, 2297771; 789712, 2297753; 789756, 2297728; 789999, 2297585; 790577, 2297304; 790826, 2297180; 791591, 2296795; 794000, 2295593; 795810, 2295621; 795945, 2295623; 796322, 2295627; 796366, 2295628; 796367, 2295628; 796710, 2295632; 796712, 2295633; 796712, 2295635; 796322, 2295917; 796064, 2296102; 795805, 2296286; 795433, 2296550; 797565, 2295906; 797569, 2295864; 797581, 2295638; 797634, 2295413; 798056, 2292032; 798056, 2292031; 798107, 2291624; 798165, 2291162; 796929, 2290891; 796545, 2290807; 795794, 2290643; 795424, 2290939; 795382, 2290933; 789630, 2290134; 789516, 2290615; 789343, 2291348; 787469, 2291492; 786812, 2289742; 778932, 2288646; return to starting point.

(B) Excluding the area bounded by the following 42 boundary points (76ha; 189ac):

Start at 784680, 2291987; 784747, 2292015; 784786, 2292031; 784910, 2292083; 784946, 2292099; 784984, 2292116; 785051, 2292143; 785110, 2292167; 785146, 2292182; 785204, 2292207; 785308, 2292250; 785341, 2292265; 785383, 2292282; 785501, 2292330; 785537, 2292346; 785576, 2292362; 785614, 2292410; 785643, 2292390; 785674, 2292428; 785689, 2292448; 785732, 2292503; 785780, 2292466; 785847, 2292414; 785871, 2292394; 785930, 2292350; 785942, 2292341; 785983, 2292310; 785993, 2292302; 786016, 2292284; 786041, 2292263; 786107, 2292213; 786138, 2292189; 786181, 2292155; 786209, 2292133; 786238, 2292111; 786263, 2292091; 785264, 2291677; 784769, 2291468; 784742, 2291524; 784703, 2291618; 784568, 2291939; 784568, 2291941; return to starting point.

(C) NOTE: Map 26 follows:

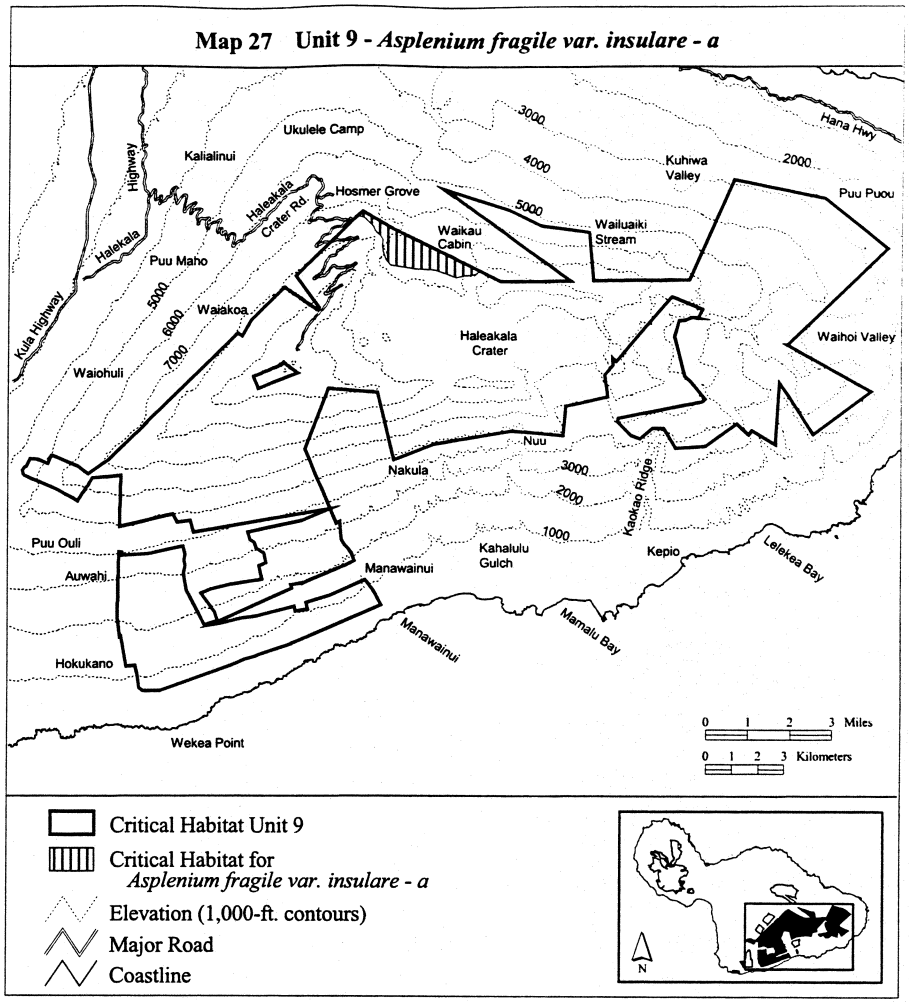


(xxvii) Maui 9—*Asplenium fragile* var. *insulare*—a (362 ha; 894 ac).

(A) Unit consists of the following 74 boundary points: Start at 788543, 2298123; 788563, 2298140; 788600, 2298173; 788754, 2298309; 788785, 2298291; 788906, 2298219; 788934, 2298204; 788942, 2298200; 788965, 2298185; 789012, 2298158; 789097, 2298111; 789125, 2298094; 789154, 2298077; 789279, 2298004; 789310, 2297986; 789342, 2297969; 789450, 2297905; 789495, 2297879; 789521, 2297863; 789656, 2297787; 789683, 2297771; 789712, 2297753; 789841, 2297681; 789867, 2297664; 789901, 2297645; 789955, 2297614; 790033, 2297574; 790061, 2297560; 790093, 2297545; 790216, 2297485; 790249, 2297467; 790279, 2297452; 790304, 2297441; 790412, 2297387; 790443, 2297372; 790472, 2297357; 790581, 2297304; 790638, 2297276; 790666, 2297261; 790719, 2297235; 790800, 2297196; 790831, 2297181; 790865, 2297163; 790992, 2297102; 791409, 2296895; 791824, 2296689; 792240, 2296482; 792444, 2296380; 792449, 2296378; 792655, 2296275; 793070, 2296068; 793155, 2296026; 793157, 2295951; 793118, 2295890; 792901, 2295834; 792611,

2295823; 792304, 2295750; 791909, 2295901; 791480, 2296046; 791067, 2296068; 790755, 2296079; 790543, 2296118; 789819, 2296246; 789629, 2296452; 789535, 2296731; 789485, 2296976; 789512, 2297221; 789514, 2297223; 789451, 2297316; 789306, 2297478; 789212, 2297600; 789145, 2297717; 788799, 2298069; 788554, 2298124; return to starting point.

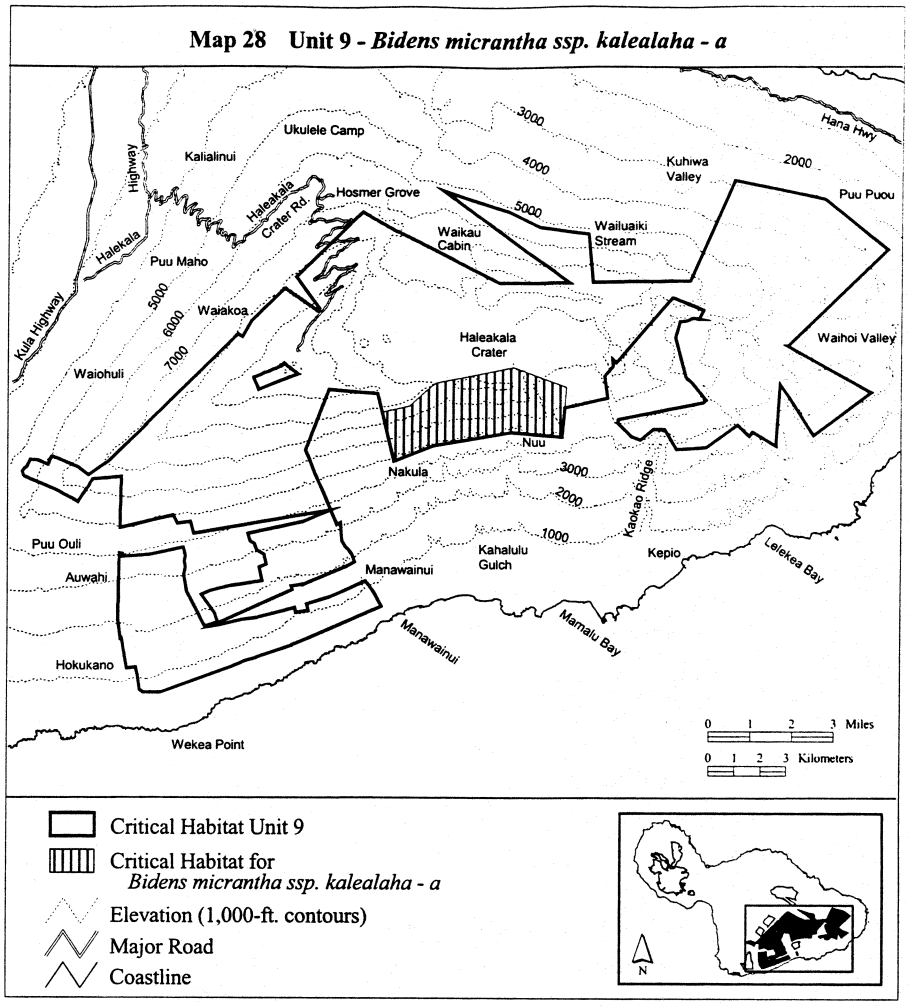
(B) NOTE: Map 27 follows:



(xxviii) Maui 9—*Bidens micrantha* ssp. *kalealaha*—a (1,563 ha; 3,861 ac).

(A) Unit consists of the following 16 boundary points: Start at 796545, 2290807; 796545, 2290801; 796458, 2289725; 796454, 2289679; 796453, 2289665; 794502, 2289839; 794488, 2289840; 794474, 2289837; 791519, 2289316; 789966, 2288718; 789516, 2290615; 790559, 2290844; 791422, 2291618; 791566, 2291747; 794576, 2292372; 796609, 2291606; return to starting point.

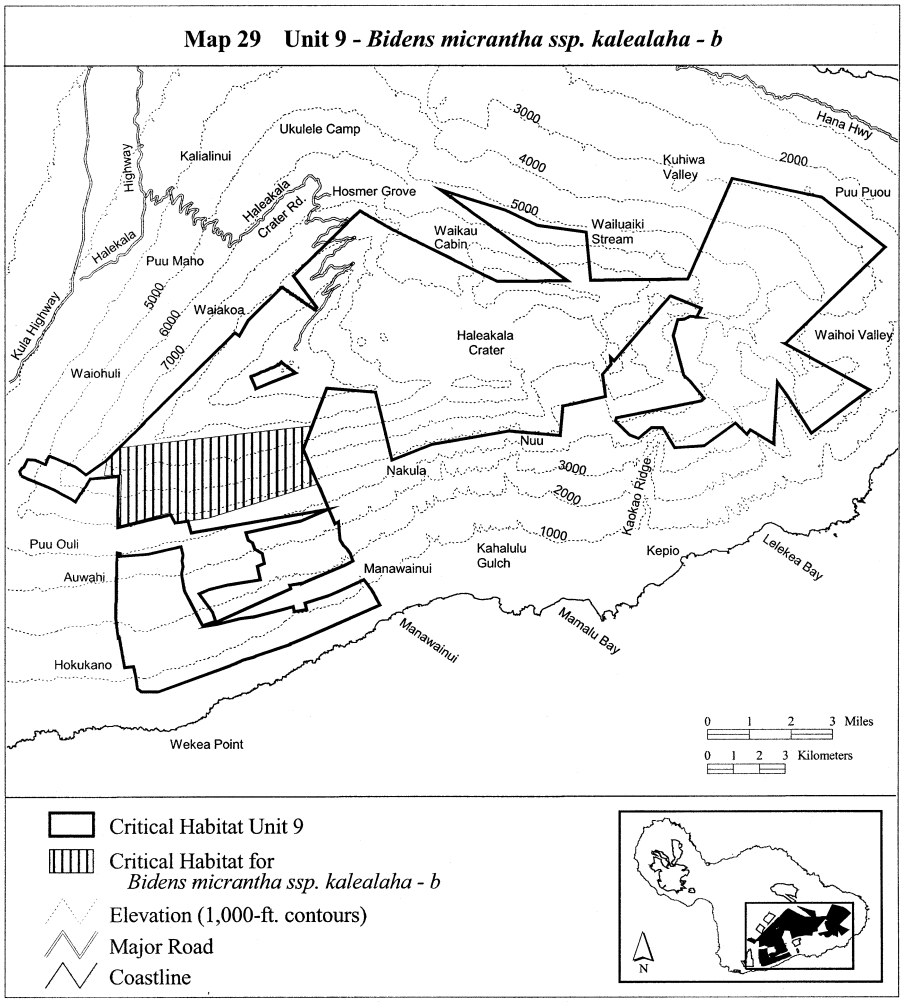
(B) NOTE: Map 28 follows:



(xxix) Maui 9—*Bidens micrantha* ssp. *kalealaha*—b (2,116 ha; 5,229 ac).

(A) Unit consists of the following 18 boundary points: Start at 779048, 2288746; 779070, 2288768; 779512, 2289205; 780627, 2289332; 782572, 2289555; 786928, 2290052; 786812, 2289742; 786580, 2289125; 786747, 2288730; 787145, 2287787; 782967, 2286486; 782162, 2286366; 781652, 2286290; 781485, 2286623; 781454, 2286686; 779524, 2286194; 779600, 2288162; 778935, 2288132; return to starting point.

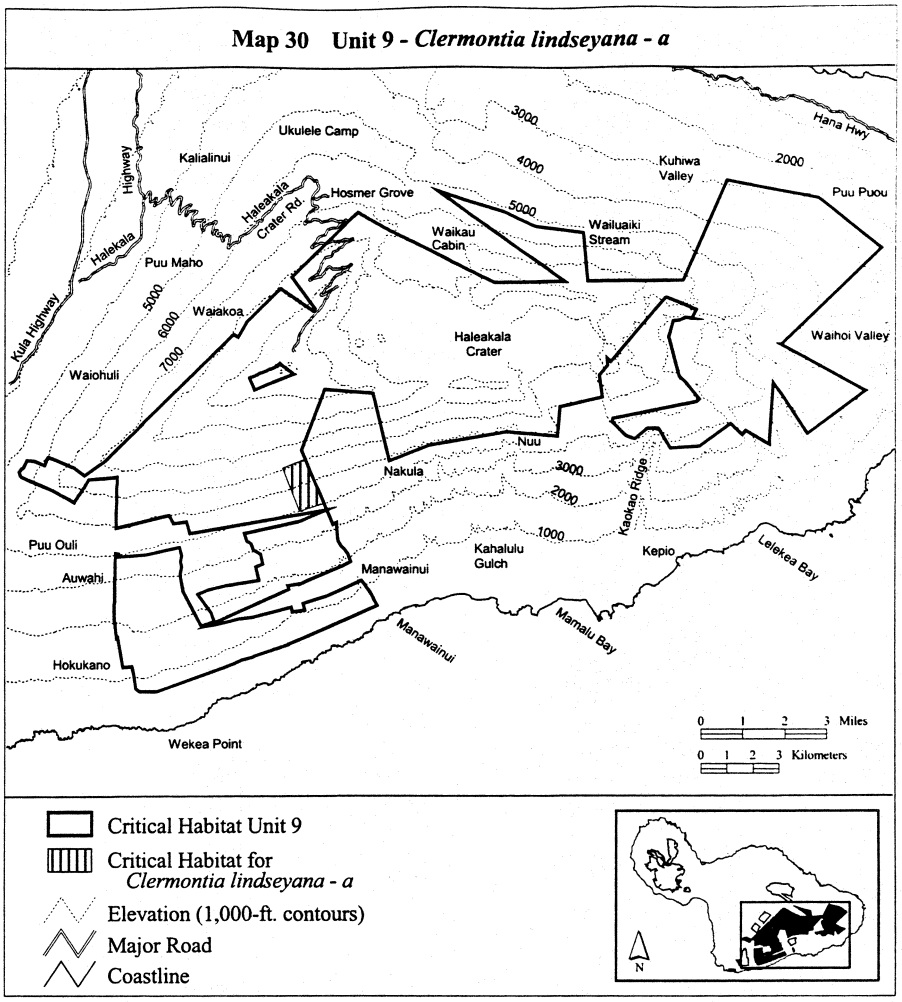
(B) NOTE: Map 29 follows:



(xxx) Maui 9—*Clermontia lindseyana*—a (177 ha; 438 ac).

(A) Unit consists of the following 5 boundary points: Start at 787444, 2287080; 787071, 2286938; 786501, 2286762; 785851, 2288424; 786721, 2288791; return to starting point.

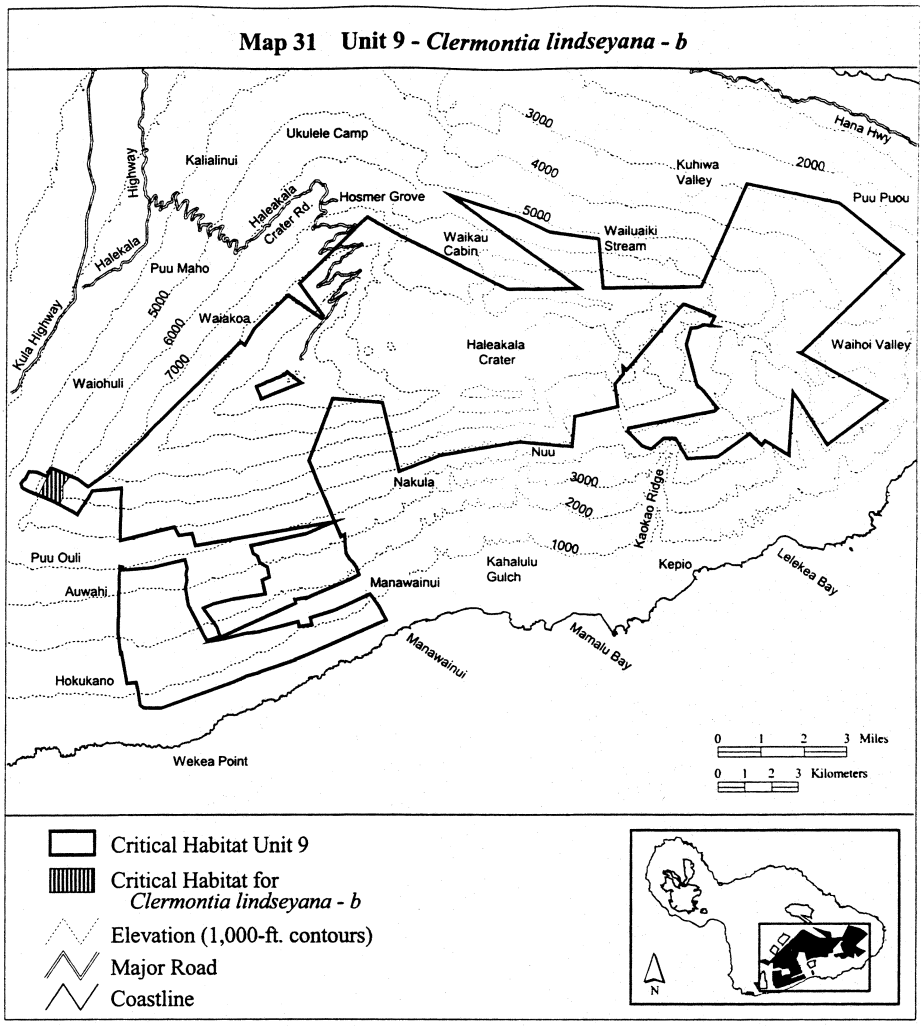
(B) NOTE: Map 30 follows:



(xxxi) Maui 9—*Clermontia lindseyana*—b (60 ha; 148 ac).

(A) Unit consists of the following 25 boundary points: Start at 776854, 2288875; 776854, 2288876; 776882, 2288864; 776920, 2288848; 776994, 2288817; 777561, 2288580; 777275, 2288186; 777275, 2287757; 777159, 2287487; 776983, 2287585; 776726, 2287694; 776756, 2287770; 776817, 2287928; 776860, 2288037; 776871, 2288068; 776895, 2288122; 776938, 2288237; 776979, 2288341; 777002, 2288401; 777006, 2288411; 777006, 2288412; 777006, 2288413; 777005, 2288413; 777005, 2288414; 776698, 2288553; return to starting point.

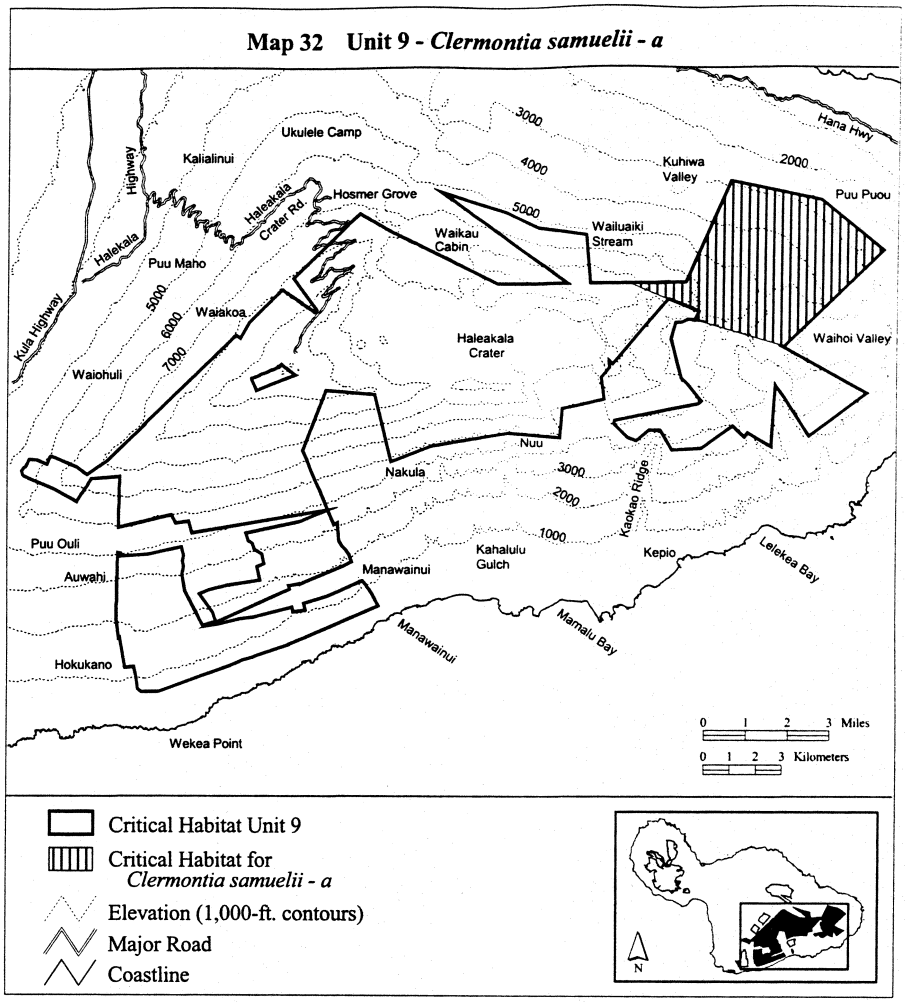
(B) NOTE: Map 31 follows:



(xxxii) Maui 9—*Clermontia samuelii*—a (3,130 ha; 7,734 ac).

(A) Unit consists of the following 27 boundary points: Start at 799099, 2295658; 799092, 2295661; 799244, 2295662; 799663, 2295668; 800082, 2295673; 800414, 2295677; 800379, 2295672; 800982, 2295684; 801296, 2295688; 801297, 2295688; 801369, 2295851; 802993, 2299556; 806459, 2298838; 807604, 2297939; 808913, 2296912; 805091, 2293218; 805090, 2293218; 801679, 2294214; 801640, 2294225; 801796, 2294569; 801346, 2294743; 801340, 2294745; 800636, 2295040; 800633, 2295036; 800632, 2295034; 800624, 2295037; 800620, 2295038; return to starting point.

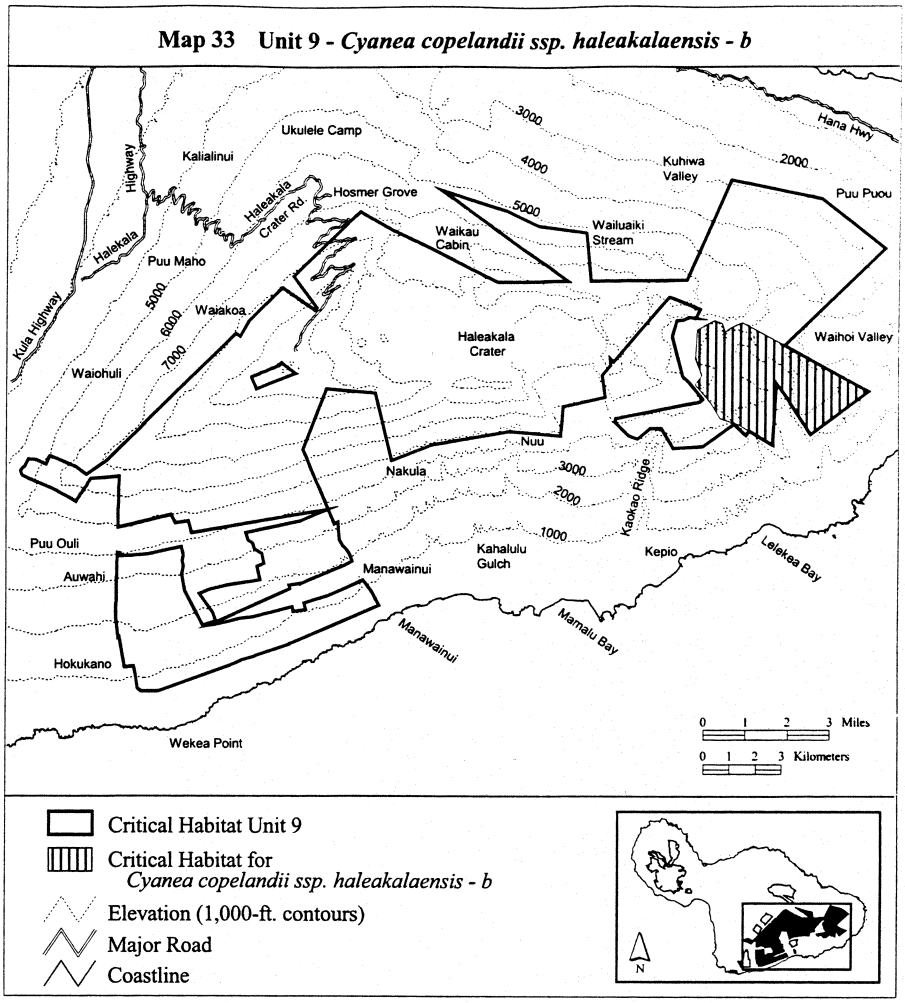
(B) NOTE: Map 32 follows:



(xiii) Maui 9—*Cyanea copelandii* ssp. *haleakalaensis*—b (1,709 ha; 4,224 ac).

(A) Unit consists of the following 21 boundary points: Start at 805053, 2293180; 806644, 2292314; 808301, 2291412; 806062, 2289747; 805115, 2291183; 804741, 2291728; 804610, 2289526; 804598, 2289317; 803684, 2289877; 803296, 2290115; 802589, 2290350; 802215, 2290953; 801641, 2291671; 801871, 2292015; 801641, 2292647; 801699, 2293766; 802359, 2294139; 802646, 2294024; 802761, 2293680; 802962, 2293852; 803432, 2294063; return to starting point.

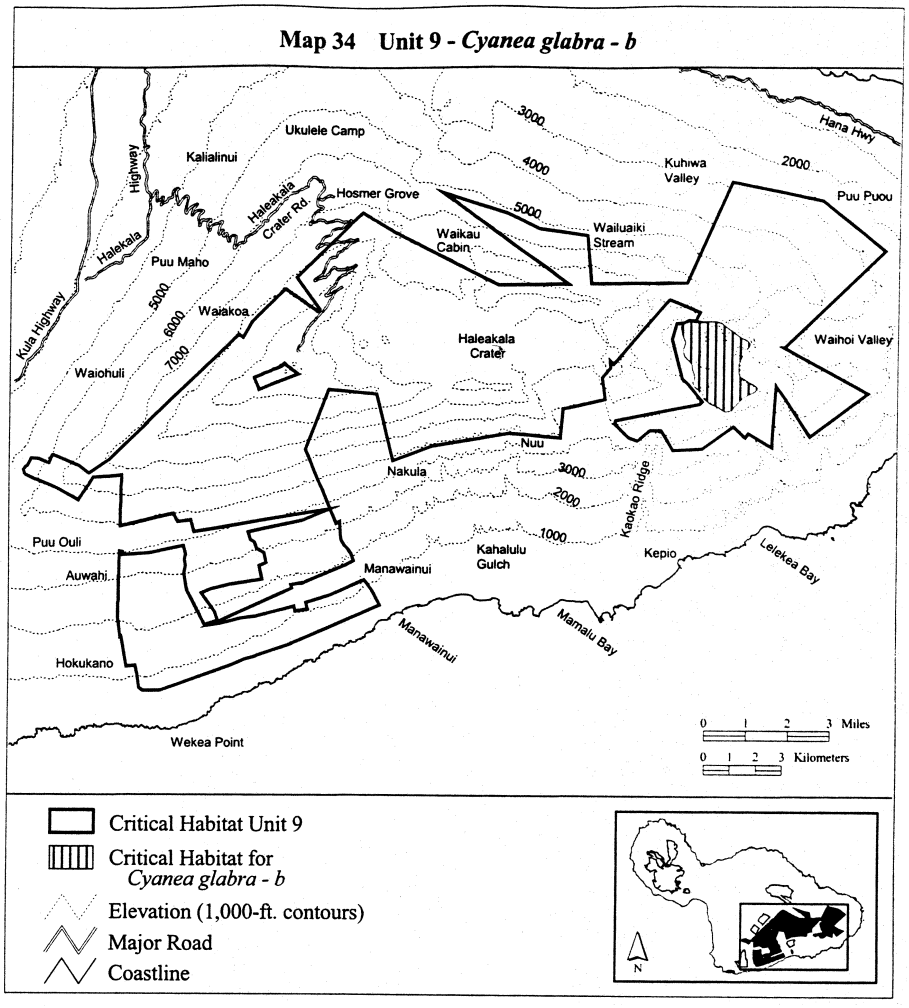
(B) NOTE: Map 33 follows:



(xxxiv) Maui 9—*Cyanea glabra*—b (650 ha; 1,605 ac).

(A) Unit consists of the following 50 boundary points: Start at 801146, 2294134; 801147, 2294134; 801185, 2294156; 801306, 2294225; 801376, 2294265; 801594, 2294228; 801679, 2294214; 801771, 2294198; 802073, 2294198; 802434, 2294198; 802655, 2294131; 802883, 2293924; 803365, 2293596; 803600, 2293468; 803707, 2293361; 803713, 2293247; 803425, 2292852; 803318, 2292564; 803312, 2292196; 803372, 2292055; 803713, 2291855; 803988, 2291687; 804008, 2291560; 803894, 2291480; 803680, 2291366; 803486, 2291265; 803305, 2291078; 803044, 2290763; 802850, 2290709; 802722, 2290743; 802542, 2290884; 802227, 2291017; 801979, 2291212; 801832, 2291439; 801745, 2291560; 801637, 2291660; 801550, 2291788; 801544, 2291848; 801604, 2291955; 801611, 2292069; 801517, 2292370; 801497, 2292538; 801443, 2292638; 801330, 2292757; 801229, 2292846; 801175, 2293006; 801182, 2293134; 801242, 2293401; 801142, 2293689; 801062, 2294018; return to starting point.

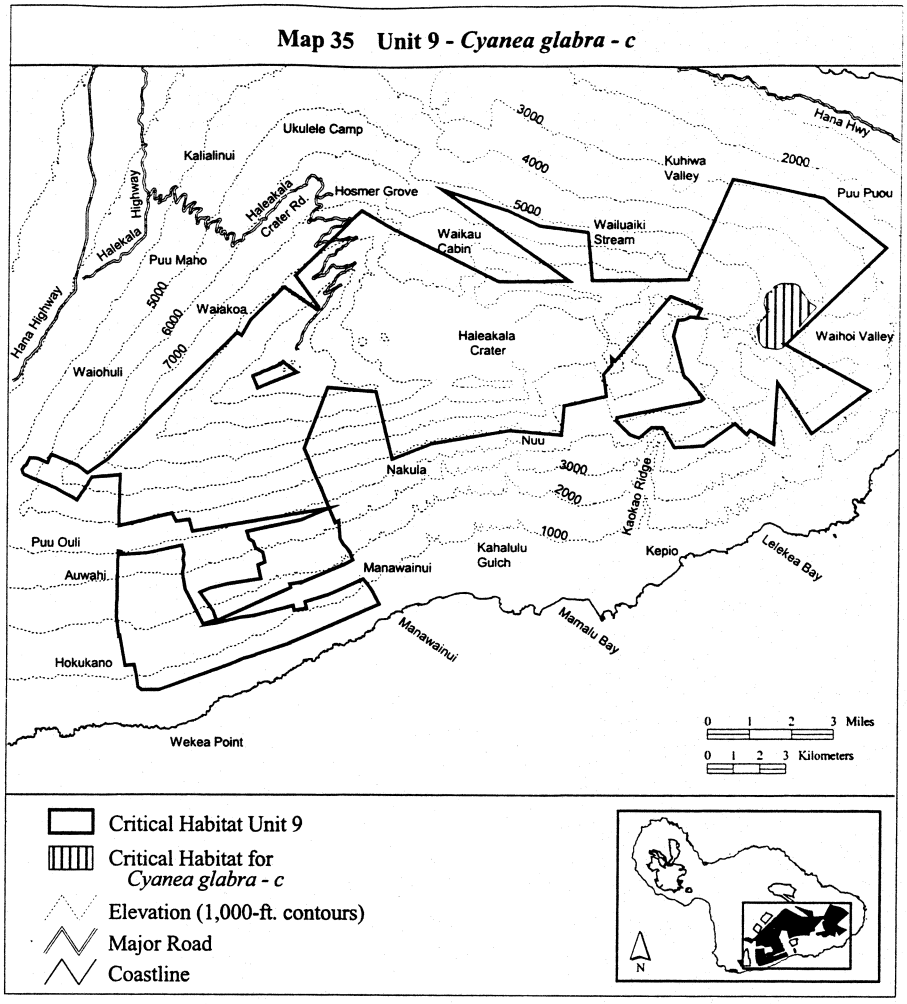
(B) NOTE: Map 34 follows:



(xxxv) Maui 9—*Cyanea glabra*—c (363 ha; 898 ac).

(A) Unit consists of the following 38 boundary points: Start at 805090, 2293218; 805068, 2293196; 805053, 2293181; 805053, 2293180; 804943, 2293067; 804871, 2293032; 804680, 2293002; 804400, 2293049; 804298, 2293049; 804161, 2293121; 804036, 2293276; 804024, 2293342; 803964, 2293634; 803917, 2293843; 803988, 2293950; 804084, 2294076; 804245, 2294261; 804298, 2294398; 804245, 2294571; 804191, 2294750; 804215, 2295007; 804304, 2295144; 804489, 2295275; 804573, 2295394; 804650, 2295454; 804895, 2295550; 805367, 2295538; 805534, 2295460; 805587, 2295365; 805695, 2295150; 805933, 2294828; 806166, 2294684; 806184, 2294631; 806178, 2294595; 805981, 2294362; 805677, 2294016; 805480, 2293718; 805188, 2293318; return to starting point.

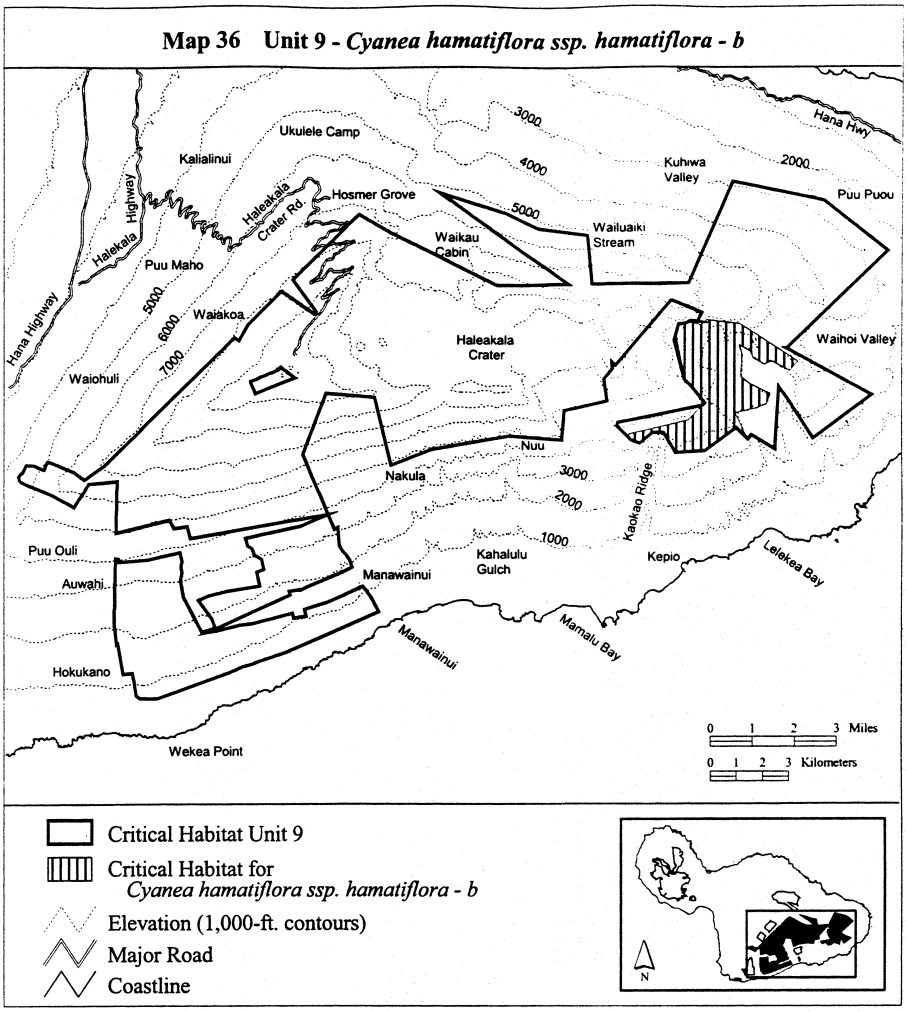
(B) NOTE: Map 35 follows:



(xxxvi) Maui 9—*Cyanea hamatiflora* ssp. *hamatiflora*—b (1,309 ha; 3,235 ac).

(A) Unit consists of the following 34 boundary points: Start at 801996, 2294274; 803261, 2294116; 805475, 2292702; 805159, 2292328; 804474, 2292692; 804184, 2292587; 803762, 2292824; 803635, 2293097; 803235, 2293299; 803340, 2292930; 803288, 2292113; 803657, 2291823; 804421, 2291454; 804289, 2291058; 803920, 2290900; 803077, 2290716; 803548, 2289729; 803114, 2290141; 801935, 2289265; 800788, 2289185; 800516, 2289662; 800342, 2289966; 799912, 2289966; 799418, 2289552; 799034, 2289728; 799006, 2289910; 801285, 2290452; 801917, 2291085; 801678, 2291389; 801153, 2292060; 800860, 2293524; 801185, 2294156; 801306, 2294225; 801759, 2294089; return to starting point.

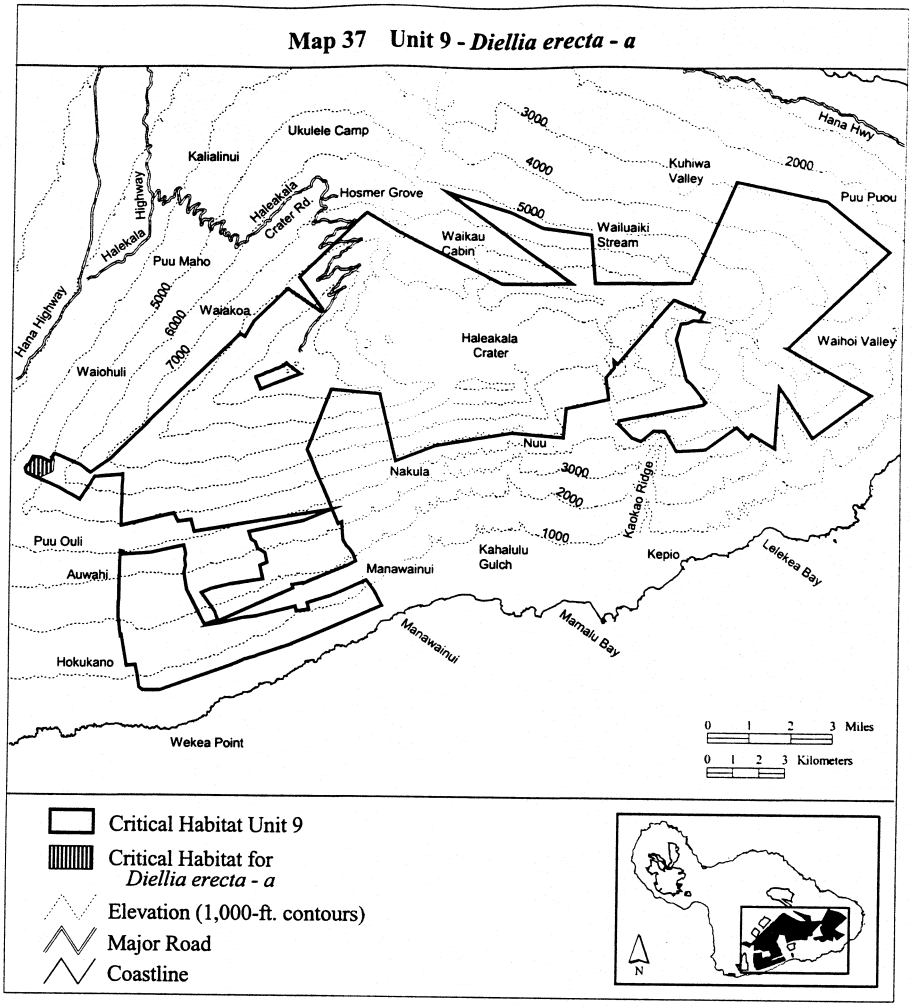
(B) NOTE: Map 36 follows:



(xxxvii) Maui 9—*Diellia erecta*—a (2 ha; 5 ac).

(A) Unit consists of the following 9 boundary points: Start at 776678, 2288562; 776714, 2288648; 776729, 2288680; 776747, 2288719; 776756, 2288719; 776808, 2288717; 776832, 2288598; 776823, 2288519; 776820, 2288498; return to starting point.

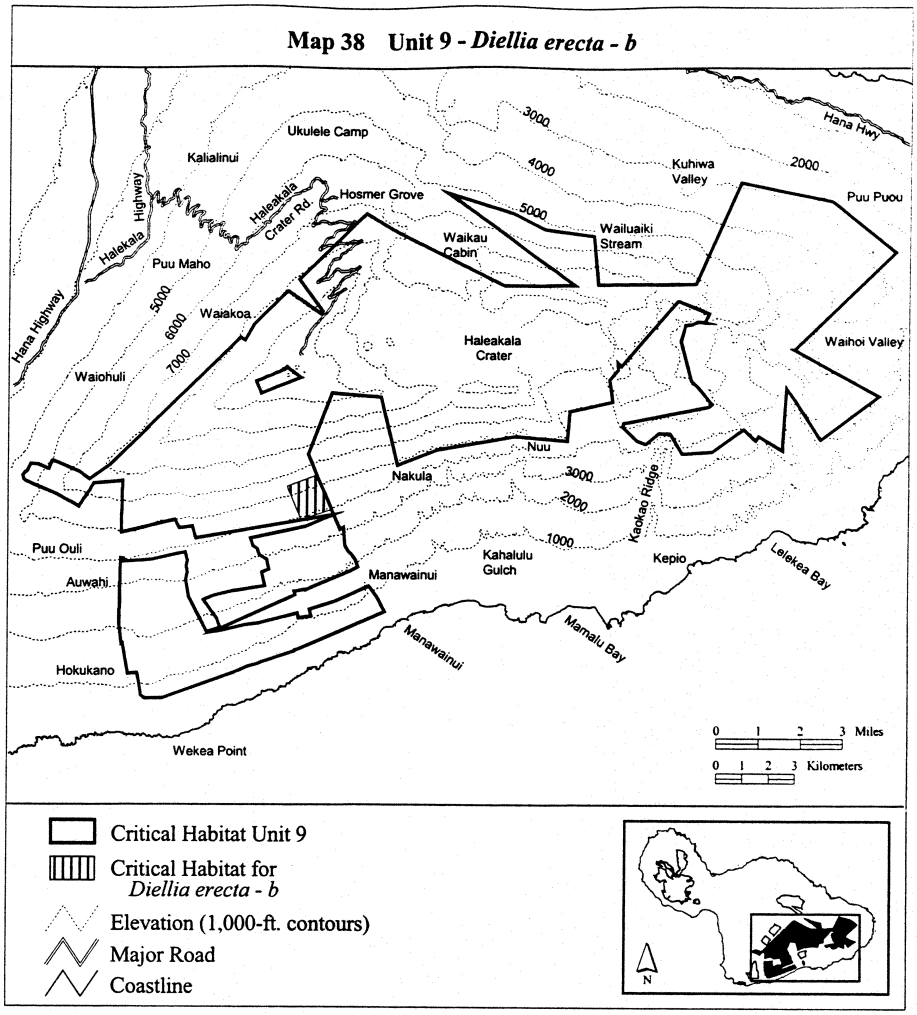
(B) NOTE: Map 37 follows:



(xxxviii) Maui 9—*Diellia erecta*—b (175 ha; 431 ac).

(A) Unit consists of the following 9 boundary points: Start at 787240, 2287564; 787475, 2287007; 786302, 2286613; 785862, 2287663; 785861, 2287662; 785789, 2287851; 785769, 2287902; 785806, 2287916; 786914, 2288334; return to starting point.

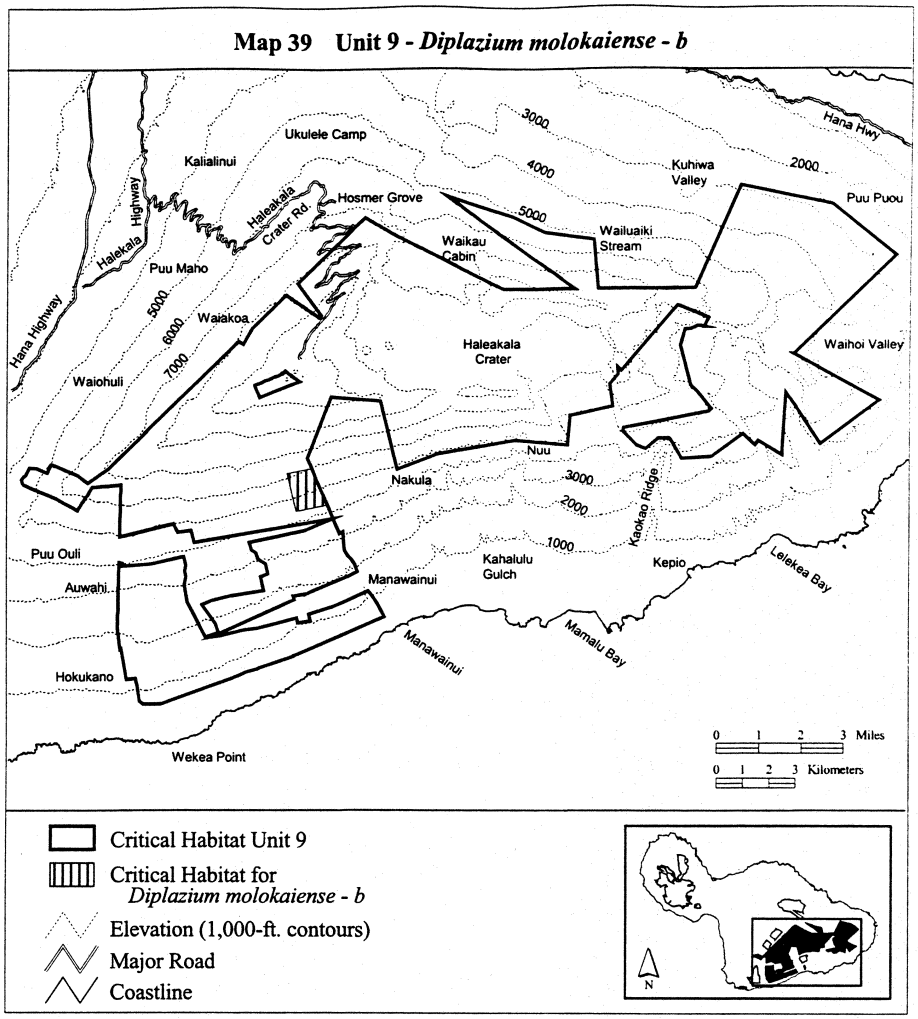
(B) NOTE: Map 38 follows:



(xxxix) Maui 9—*Diplazium molokaiense*—b (162 ha; 401 ac).

(A) Unit consists of the following 4 boundary points: Start at 786149, 2287088; 785806, 2288547; 786747, 2288730; 787339, 2287329; return to starting point.

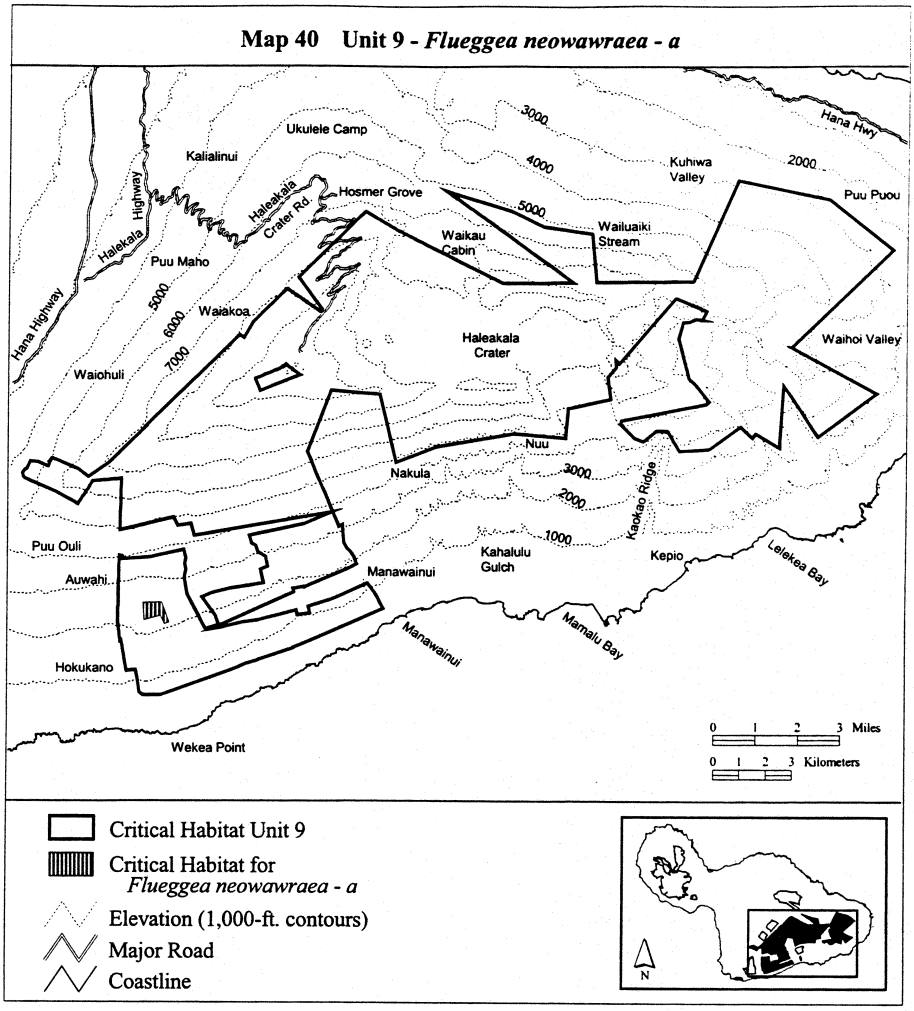
(B) NOTE: Map 39 follows:



(xl) Maui 9—*Flueggea neowawraea*—a (52 ha; 128 ac).

(A) Unit consists of the following 6 boundary points: Start at 780345, 2283357; 781056, 2283374; 781342, 2282594; 781160, 2282542; 781012, 2282863; 780388, 2282689; return to starting point.

(B) NOTE: Map 40 follows:

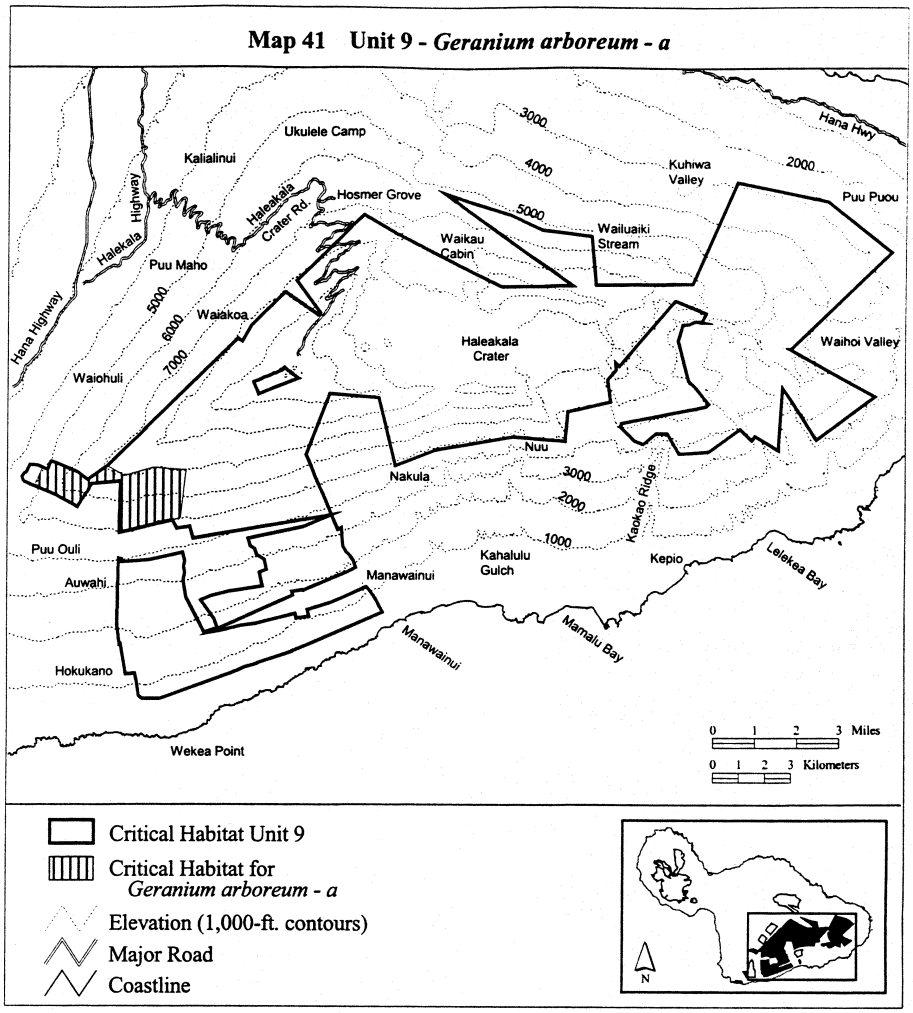


(xli) Maui 9—*Geranium arboreum*—a (731 ha; 1,805 ac).

(A) Unit consists of the following 78 boundary points: Start at 776678, 2288562; 776714, 2288648; 776729, 2288680; 776769, 2288768; 776801, 2288841; 776816, 2288873; 776823, 2288888; 776854, 2288875; 776994, 2288817; 777437, 2288634; 777736, 2288504; 777822, 2288467; 778221, 2288151; 778821, 2288569; 778986, 2288684; 779630, 2288318; 780757, 2288633; 782012, 2288542; 781788, 2286699; 781485, 2286623; 779450, 2286115; 779447, 2286116; 779447, 2286118; 779447, 2286148; 779449, 2286273; 779451, 2286428; 779453, 2286528; 779457, 2286767; 779463, 2287069; 779466, 2287187; 779469, 2287405; 779474, 2287664; 779478, 2287896; 779480, 2288005; 779481, 2288094; 779481, 2288097; 779480, 2288099; 779379, 2288090; 779098, 2288064; 778964, 2288051; 778864, 2288041; 778675, 2288023; 778485, 2288006; 778407, 2287998; 778397, 2287997; 778396, 2287997; 778295, 2287839; 778290, 2287830; 778201, 2287689; 778141, 2287597; 778127, 2287576; 778122, 2287567; 778097, 2287528; 778072, 2287490; 778051, 2287458; 778008,

2287395; 777941, 2287295; 777929, 2287273; 777926, 2287268; 777872, 2287190; 777820, 2287111; 777670, 2287202; 777221, 2287452; 776983, 2287585; 776726, 2287694; 776756, 2287770; 776817, 2287928; 776860, 2288037; 776871, 2288068; 776895, 2288122; 776938, 2288237; 776979, 2288341; 777002, 2288401; 777006, 2288411; 777006, 2288412; 777006, 2288413; 777005, 2288413; 777005, 2288414; return to starting point.

(B) NOTE: Map 41 follows:

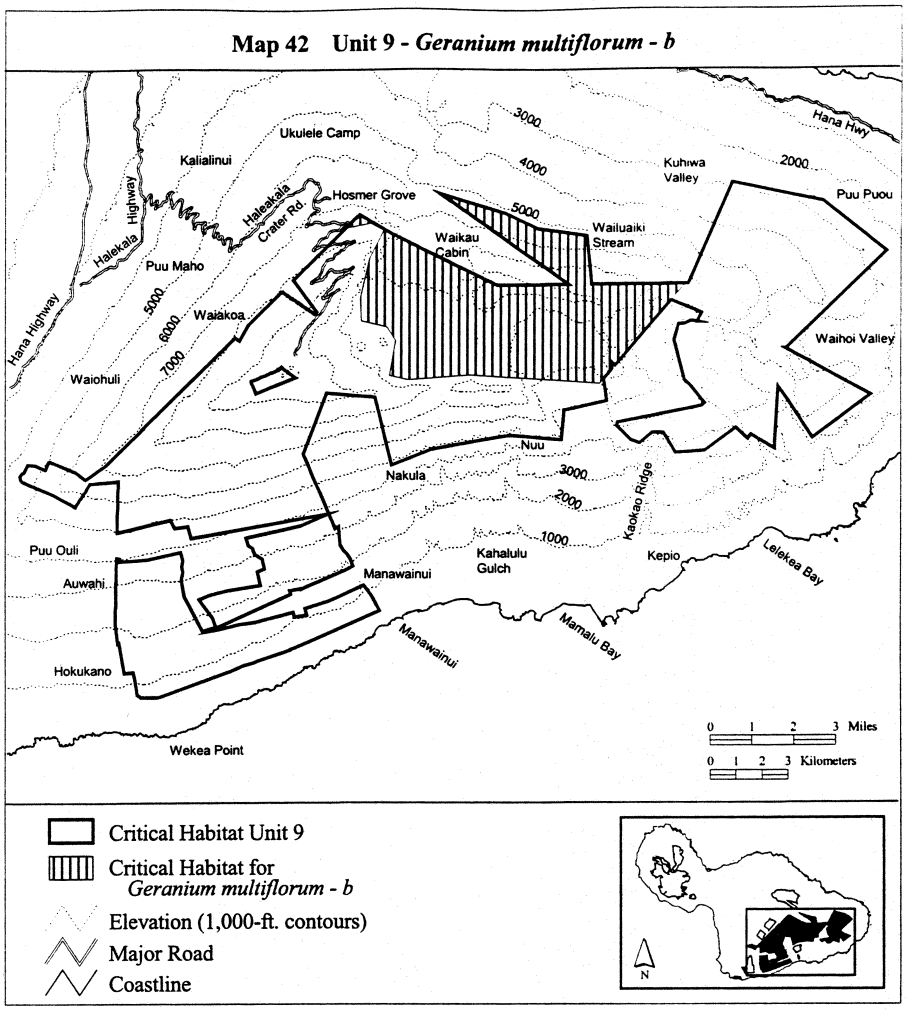


(xlii) Maui 9—*Geranium multiflorum*—b (4,817 ha; 11,903 ac).

(A) Unit consists of the following 155 boundary points: Start at 788163, 2297782; 788209, 2297823; 788474, 2298061; 788549, 2298128; 788563, 2298140; 788752, 2298310; 788754, 2298309; 788785, 2298291; 788906, 2298219; 788934, 2298204; 788940, 2298201; 788945, 2298198; 788965, 2298185; 789012, 2298158; 789097, 2298111; 789125,

2298094; 789154, 2298077; 789279, 2298004; 789310, 2297986; 789342, 2297969; 789450, 2297905; 789495, 2297879; 789521, 2297863; 789656, 2297787; 789683, 2297771; 789712, 2297753; 789841, 2297681; 789867, 2297664; 789901, 2297645; 789955, 2297614; 790033, 2297574; 790061, 2297560; 790093, 2297545; 790216, 2297485; 790249, 2297467; 790279, 2297452; 790304, 2297441; 790412, 2297387; 790443, 2297372; 790472, 2297357; 790581, 2297304; 790633, 2297278; 790637, 2297277; 790638, 2297276; 790666, 2297261; 790712, 2297238; 790778, 2297205; 790851, 2297171; 790865, 2297163; 790992, 2297102; 791049, 2297073; 791253, 2296971; 791748, 2296726; 792093, 2296555; 792239, 2296482; 792302, 2296451; 792444, 2296380; 792449, 2296378; 792490, 2296357; 792655, 2296275; 793070, 2296068; 793303, 2295953; 793307, 2295951; 793422, 2295894; 793425, 2295892; 793482, 2295864; 793485, 2295863; 793542, 2295834; 793701, 2295755; 794013, 2295601; 794376, 2295605; 794739, 2295608; 795102, 2295612; 795523, 2295618; 795945, 2295623; 796322, 2295627; 796366, 2295628; 796367, 2295628; 796710, 2295632; 796712, 2295633; 796712, 2295635; 796322, 2295917; 796064, 2296102; 795805, 2296286; 795412, 2296565; 794929, 2296911; 794586, 2297162; 794089, 2297517; 793843, 2297693; 793840, 2297695; 793717, 2297782; 793715, 2297784; 793592, 2297871; 793096, 2298227; 792850, 2298402; 792846, 2298405; 792724, 2298492; 792721, 2298494; 792661, 2298537; 792659, 2298539; 792630, 2298559; 792627, 2298561; 792614, 2298570; 792612, 2298572; 792606, 2298576; 792604, 2298578; 792602, 2298579; 792600, 2298581; 792599, 2298581; 792395, 2298727; 792392, 2298730; 792290, 2298802; 792288, 2298804; 792238, 2298839; 792236, 2298841; 792212, 2298858; 792210, 2298860; 792199, 2298867; 792197, 2298869; 792193, 2298872; 792190, 2298874; 792187, 2298876; 791820, 2299139; 792911, 2298800; 794323, 2298361; 795561, 2297771; 797414, 2297495; 797590, 2295645; 797591, 2295643; 797602, 2295643; 797615, 2295643; 797793, 2295645; 798243, 2295649; 800429, 2295671; 801112, 2295683; 801148, 2295656; 800620, 2295038; 800619, 2295037; 799580, 2293819; 798494, 2292544; 798490, 2292539; 798357, 2292680; 798374, 2292403; 798056, 2292031; 797894, 2291841; 792958, 2292187; 790618, 2291998; 789902, 2292186; 790128, 2293507; 789788, 2294035; 788807, 2294262; 788770, 2295129; 789109, 2296601; 789675, 2297733; 789185, 2297997; return to starting point.

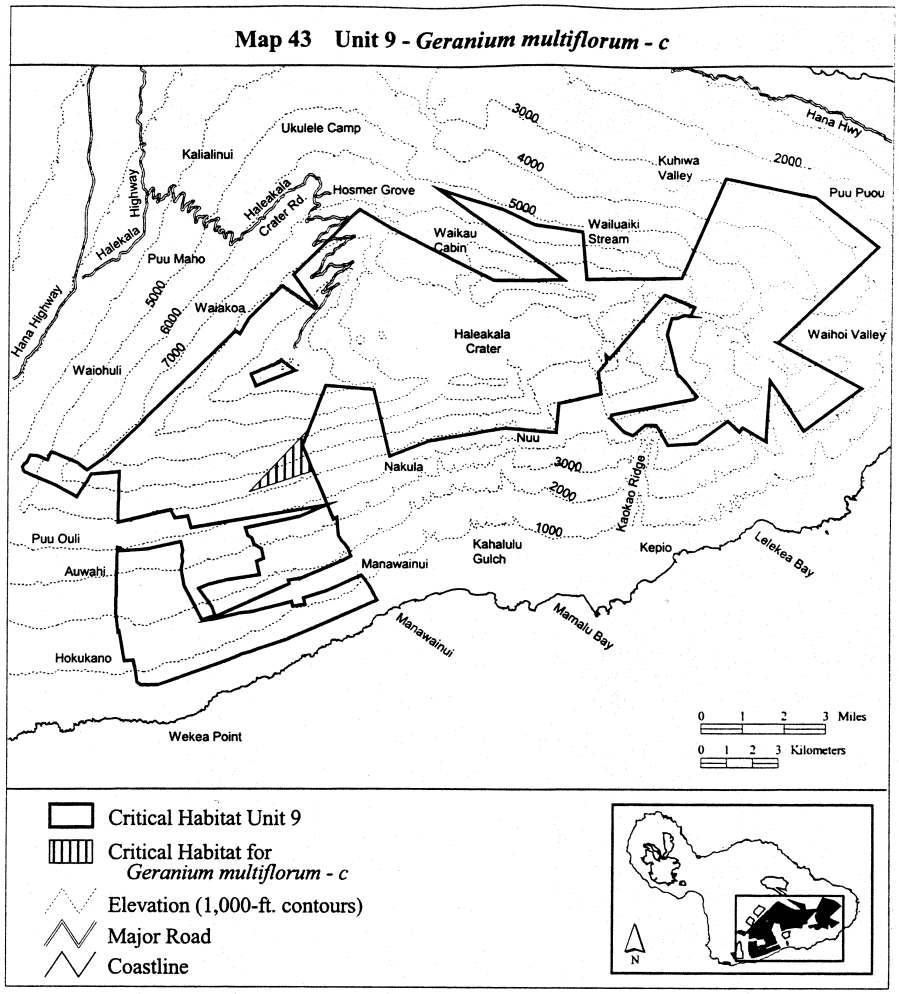
(B) NOTE: Map 42 follows:



(xliii) Maui 9—*Geranium multiflorum*—c (182 ha; 451 ac).

(A) Unit consists of the following 4 boundary points: Start at 786997, 2288137; 784544, 2287319; 786824, 2289775; 786580, 2289125; return to starting point.

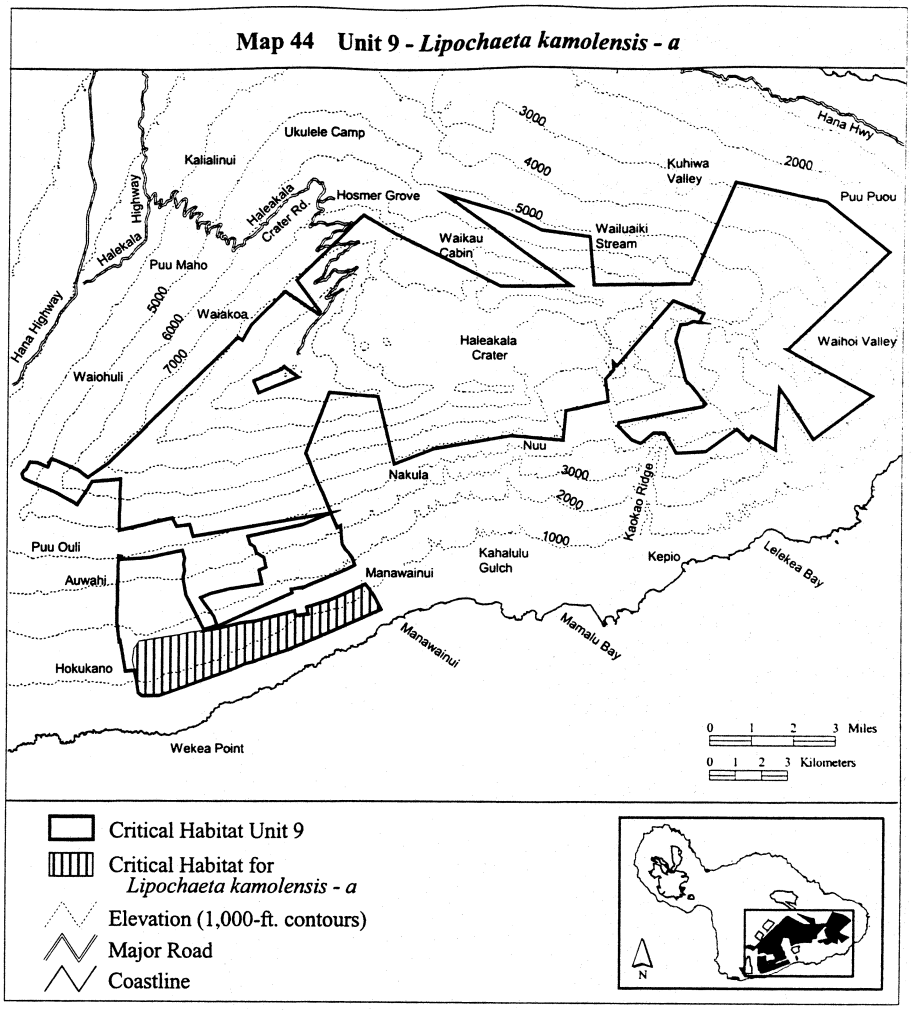
(B) NOTE: Map 43 follows:



(xliv) Maui 9—*Lipochaeta kamolensis*—a (1,475 ha; 3,644 ac).

(A) Unit consists of the following 42 boundary points: Start at 782955, 2282353; 783327, 2282400; 784164, 2282607; 784741, 2282683; 785726, 2282934; 786198, 2283073; 786228, 2282888; 786228, 2282887; 786230, 2282886; 786701, 2282954; 786702, 2282955; 786702, 2282956; 786655, 2283208; 787384, 2283423; 787548, 2283495; 787945, 2283669; 788905, 2284089; 788984, 2283995; 789152, 2283770; 789288, 2283565; 789391, 2283327; 789514, 2283129; 787773, 2282368; 786596, 2281853; 786087, 2281631; 786085, 2281630; 784789, 2281189; 784708, 2281139; 784251, 2281019; 784001, 2280899; 783805, 2280811; 781021, 2279811; 780368, 2279811; 780216, 2279920; 780139, 2280453; 780063, 2280787; 780052, 2280834; 779976, 2281160; 780031, 2281595; 780248, 2281900; 781662, 2282128; 782206, 2282259; return to starting point.

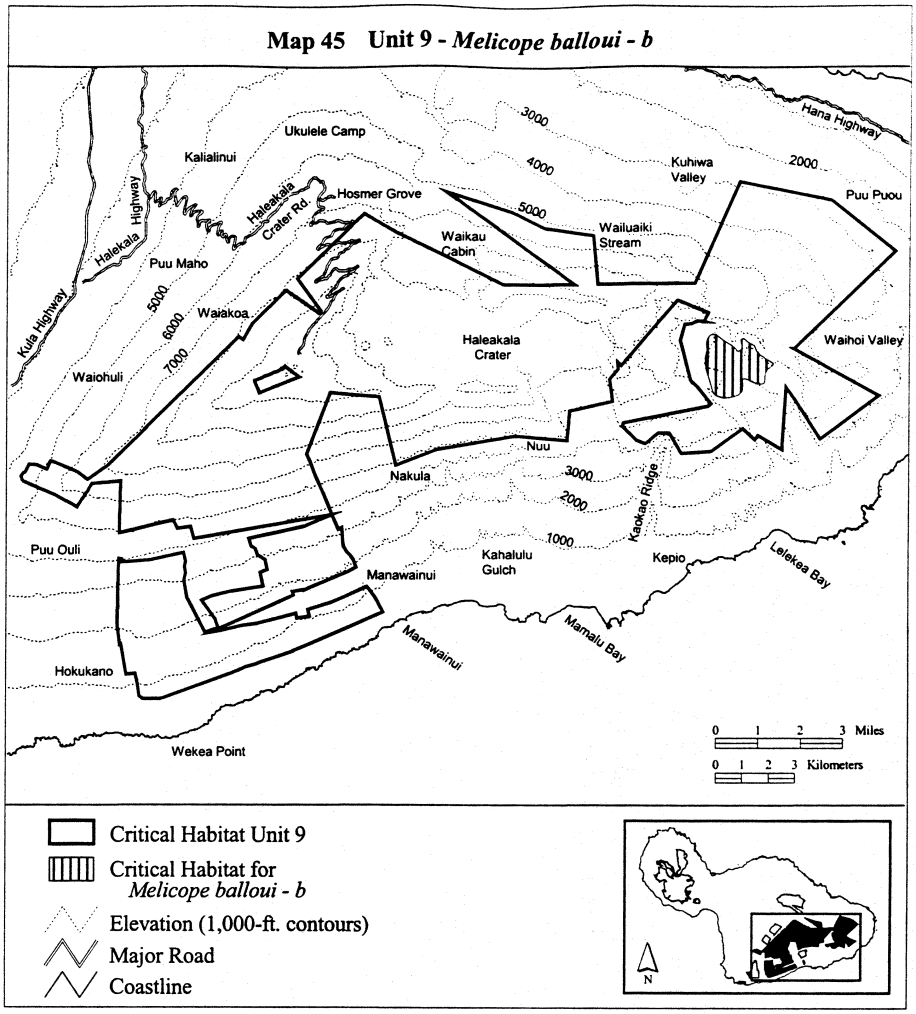
(B) NOTE: Map 44 follows:



(xlv) Maui 9—*Melicope balloui*—b (394 ha; 973 ac).

(A) Unit consists of the following 45 boundary points: Start at 801687, 2292860; 801740, 2293120; 801749, 2293217; 801736, 2293388; 801740, 2293476; 801793, 2293617; 801894, 2293723; 802092, 2293736; 802374, 2293512; 802708, 2293331; 802840, 2293212; 802889, 2293116; 802955, 2293094; 803069, 2293173; 803087, 2293287; 803047, 2293446; 803047, 2293538; 803140, 2293582; 803316, 2293437; 803545, 2293314; 803619, 2293116; 803769, 2292957; 804016, 2292781; 804266, 2292645; 804249, 2292561; 804051, 2292403; 803963, 2292244; 803945, 2292099; 803945, 2291945; 803928, 2291870; 803804, 2291844; 803681, 2291848; 803413, 2291949; 803272, 2292020; 803153, 2292051; 803109, 2292020; 803118, 2291804; 803091, 2291562; 802964, 2291430; 802770, 2291368; 802422, 2291298; 802088, 2291417; 802000, 2291518; 801758, 2292262; 801714, 2292447; return to starting point.

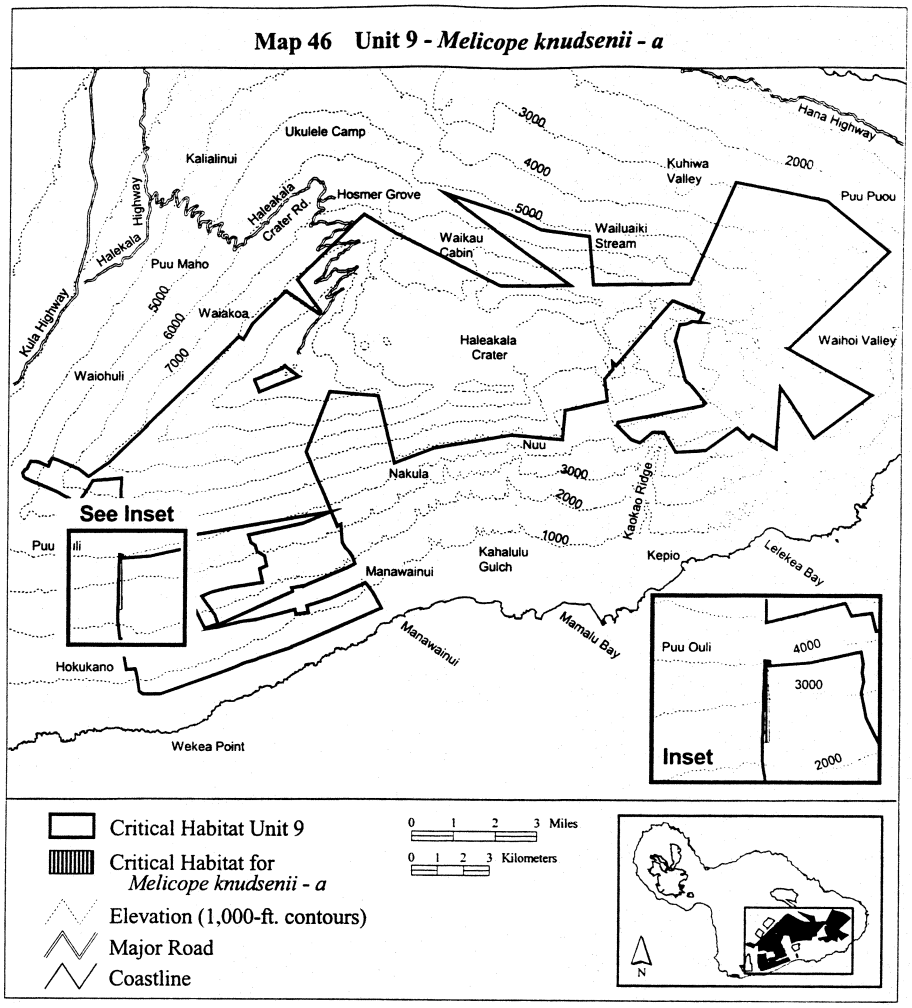
(B) NOTE: Map 45 follows:



(xlvi) Maui 9—Melicope knudsenii—a (28 ha; 69 ac).

(A) Unit consists of the following 26 boundary points: Start at 779378, 2283038; 779379, 2283091; 779379, 2283156; 779384, 2283260; 779385, 2283362; 779386, 2283461; 779389, 2283570; 779391, 2283672; 779394, 2283769; 779397, 2283858; 779397, 2283869; 779397, 2283875; 779398, 2283992; 779401, 2284094; 779401, 2284203; 779403, 2284241; 779406, 2284322; 779408, 2284377; 779408, 2284385; 779408, 2284390; 779413, 2284560; 779419, 2284768; 779424, 2285004; 779427, 2285134; 779523, 2285126; 779547, 2283051; return to starting point.

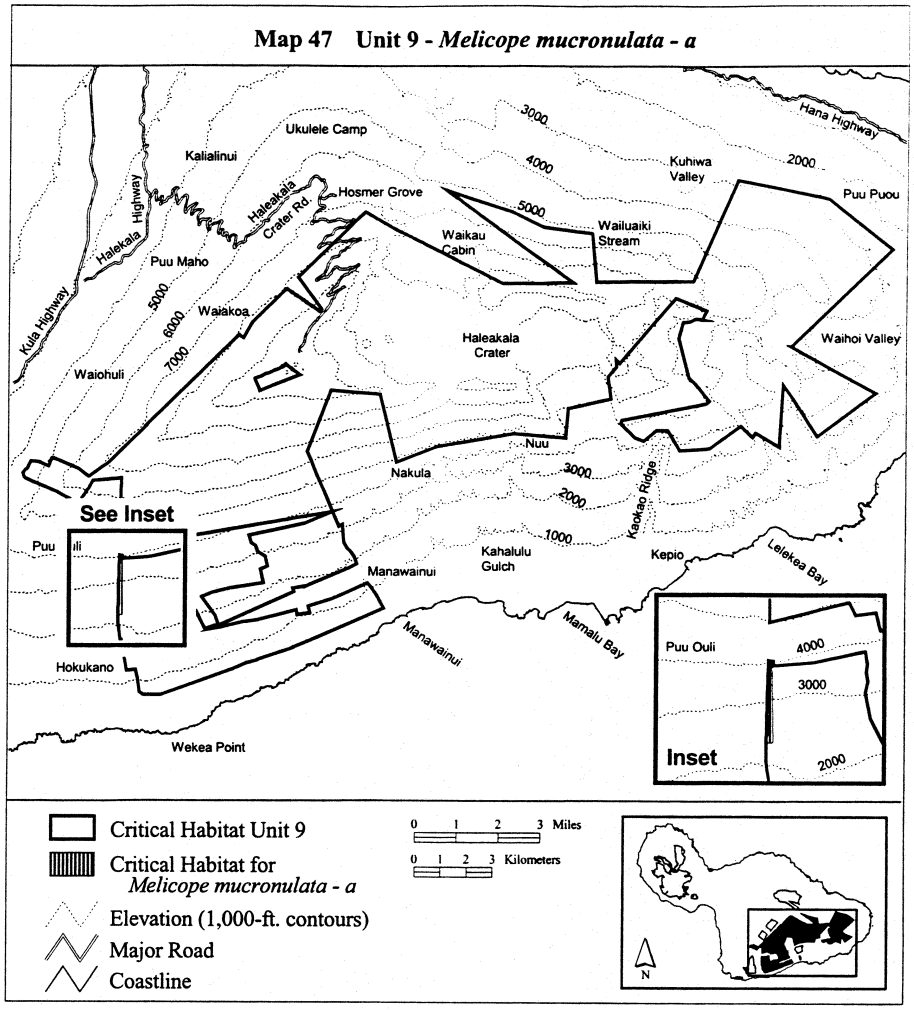
(B) NOTE: Map 46 follows:



(xlvii) Maui 9—*Melicope mucronulata*—a (34 ha; 83 ac).

(A) Unit consists of the following 23 boundary points: Start at 779374, 2282861; 779377, 2282926; 779379, 2283091; 779379, 2283156; 779384, 2283260; 779385, 2283362; 779386, 2283461; 779389, 2283570; 779391, 2283672; 779394, 2283769; 779397, 2283875; 779398, 2283992; 779401, 2284094; 779401, 2284203; 779403, 2284241; 779406, 2284322; 779413, 2284560; 779419, 2284768; 779424, 2285004; 779427, 2285144; 779552, 2285134; 779552, 2285008; 779544, 2282873; return to starting point.

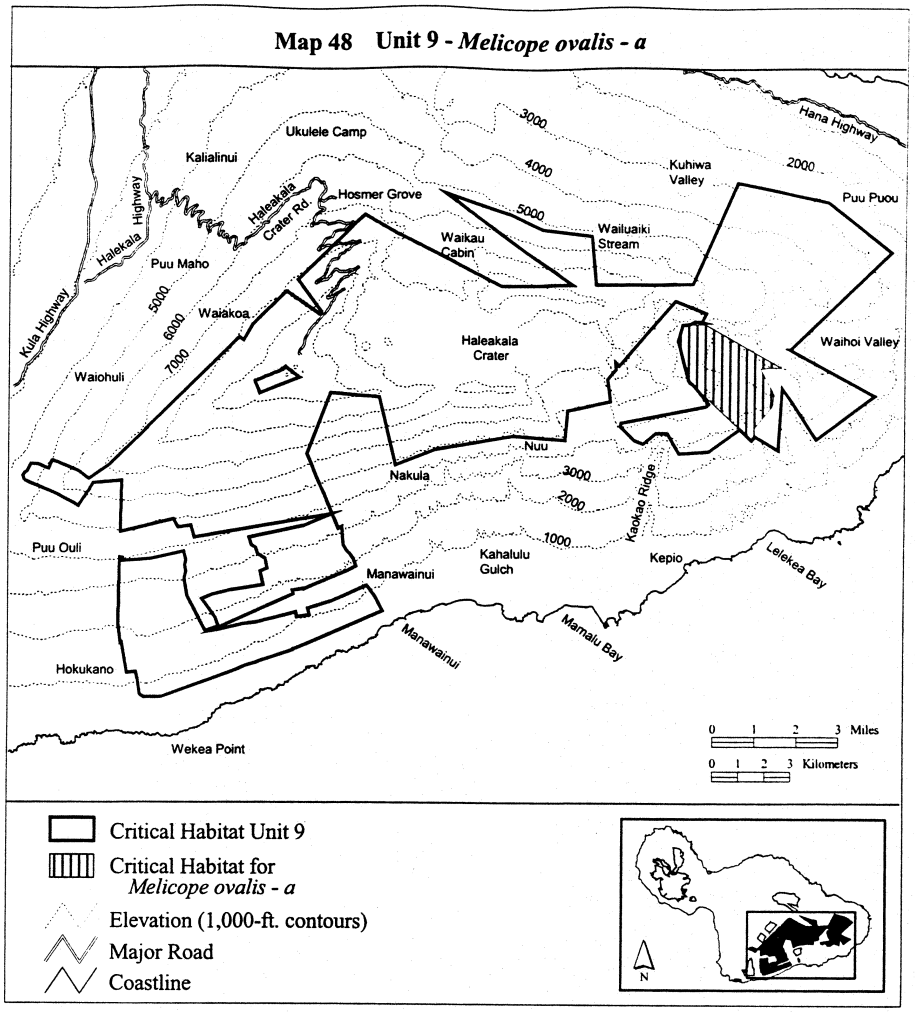
(B) NOTE: Map 47 follows:



(xlviii) Maui 9—*Melicope ovalis*—a (933 ha; 2,306 ac).

(A) Unit consists of the following 18 boundary points: Start at 803684, 2289877; 803574, 2289704; 803114, 2290141; 803112, 2290139; 801383, 2291766; 801145, 2291990; 800743, 2293514; 800900, 2294126; 801146, 2294134; 801147, 2294134; 801148, 2294134; 801758, 2294144; 804700, 2292498; 804245, 2292498; 803895, 2292463; 804438, 2291482; 804352, 2291008; 803667, 2290169; return to starting point.

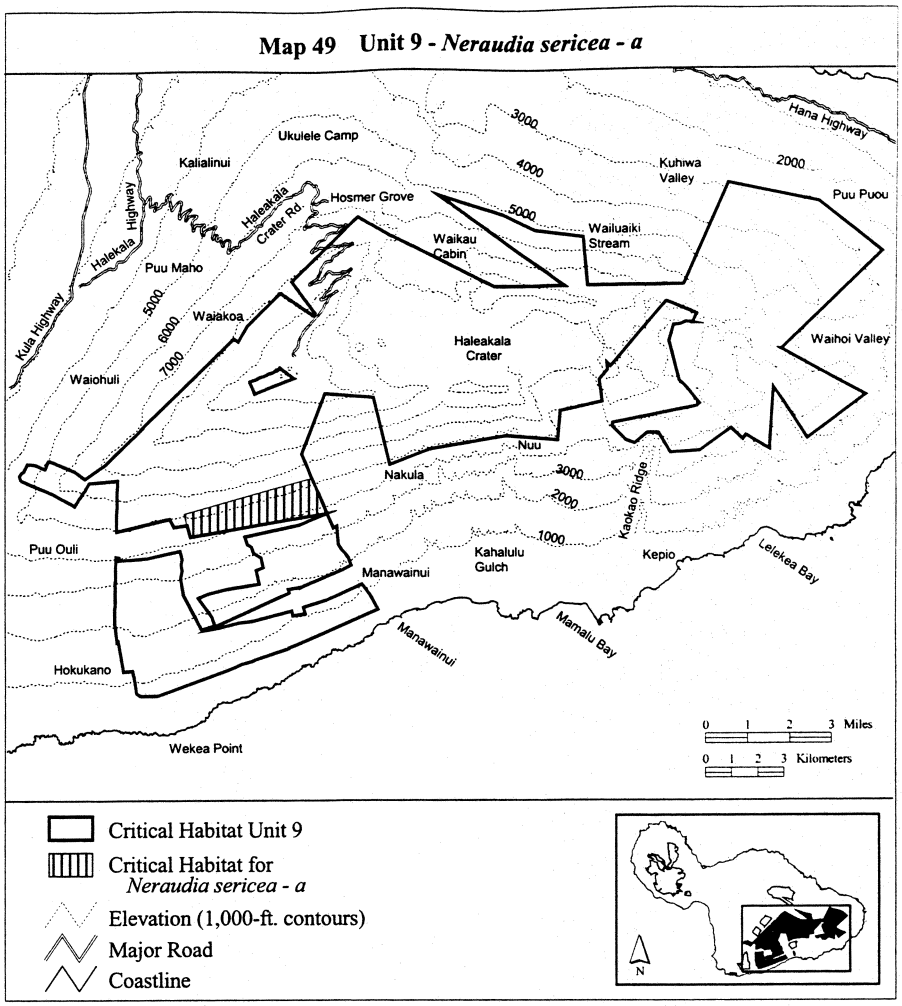
(B) NOTE: Map 48 follows:



(xlix) Maui 9—*Neraudia sericea*—a (623 ha; 1,540 ac).

(A) Unit consists of the following 7 boundary points: Start at 787503, 2286804; 782284, 2285907; 782162, 2286366; 782046, 2286802; 786980, 2288178; 787198, 2287662; 787557, 2286813; return to starting point.

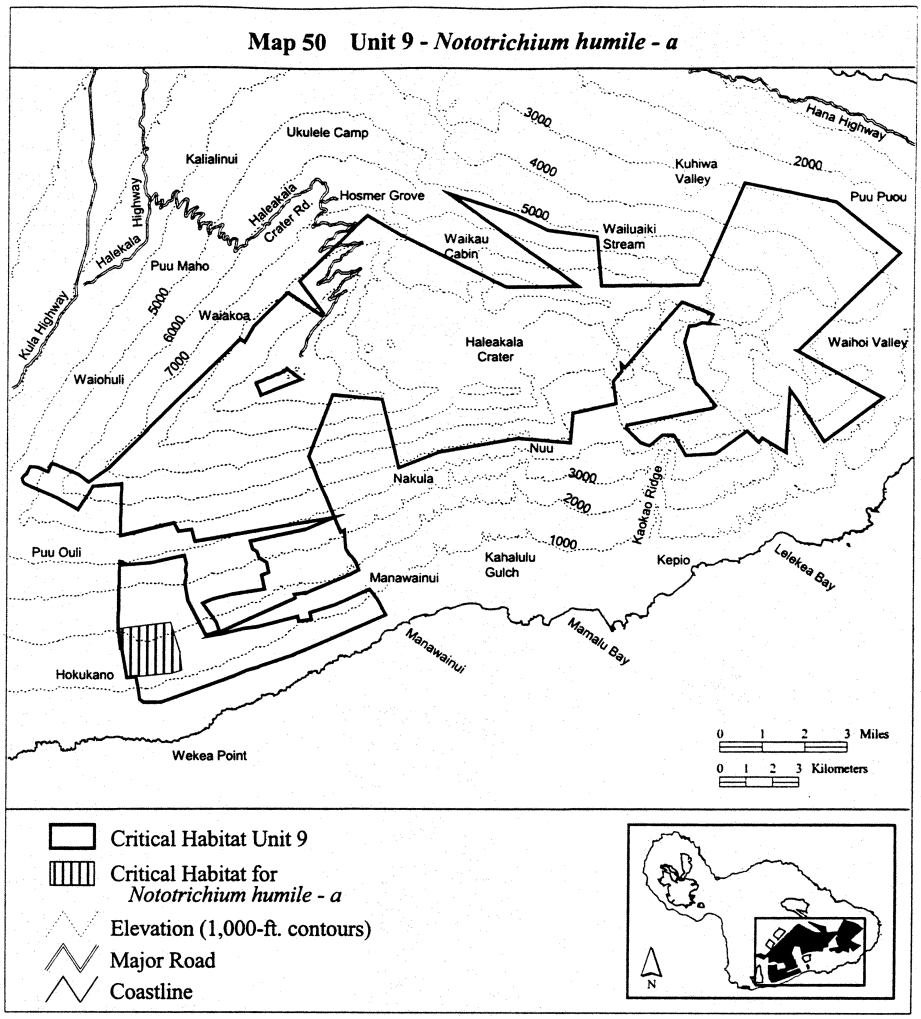
(B) NOTE: Map 49 follows:



(l) Maui 9—*Nototrichium humile*—a (398 ha; 982 ac).

(A) Unit consists of the following 9 boundary points: Start at 780063, 2280787; 779707, 2280753; 779507, 2281898; 779466, 2282131; 779455, 2282613; 781370, 2282843; 781731, 2281716; 781818, 2281027; 781425, 2280917; return to starting point.

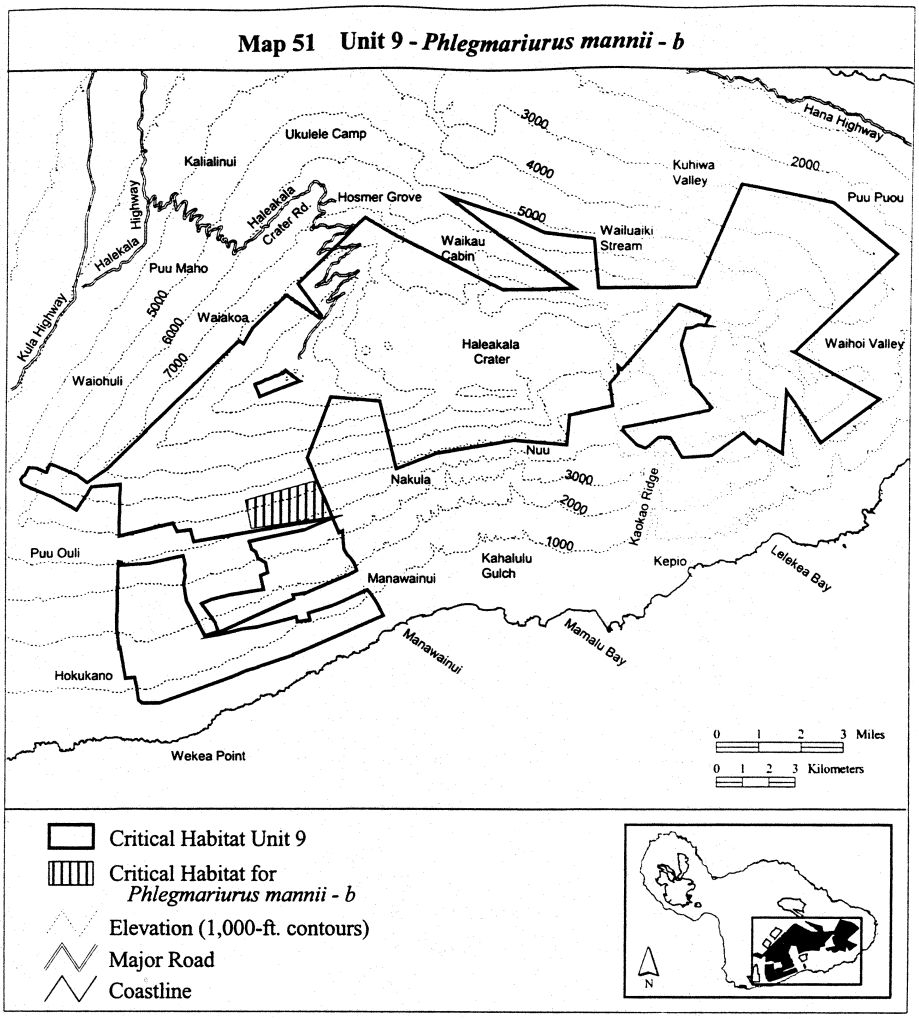
(B) NOTE: Map 50 follows:



(li) Maui 9—*Phlegmariurus mannii*—b (383 ha; 947 ac).

(A) Unit consists of the following 4 boundary points: Start at 787536, 2286861; 784465, 2286413; 784226, 2287486; 786946, 2288260; return to starting point.

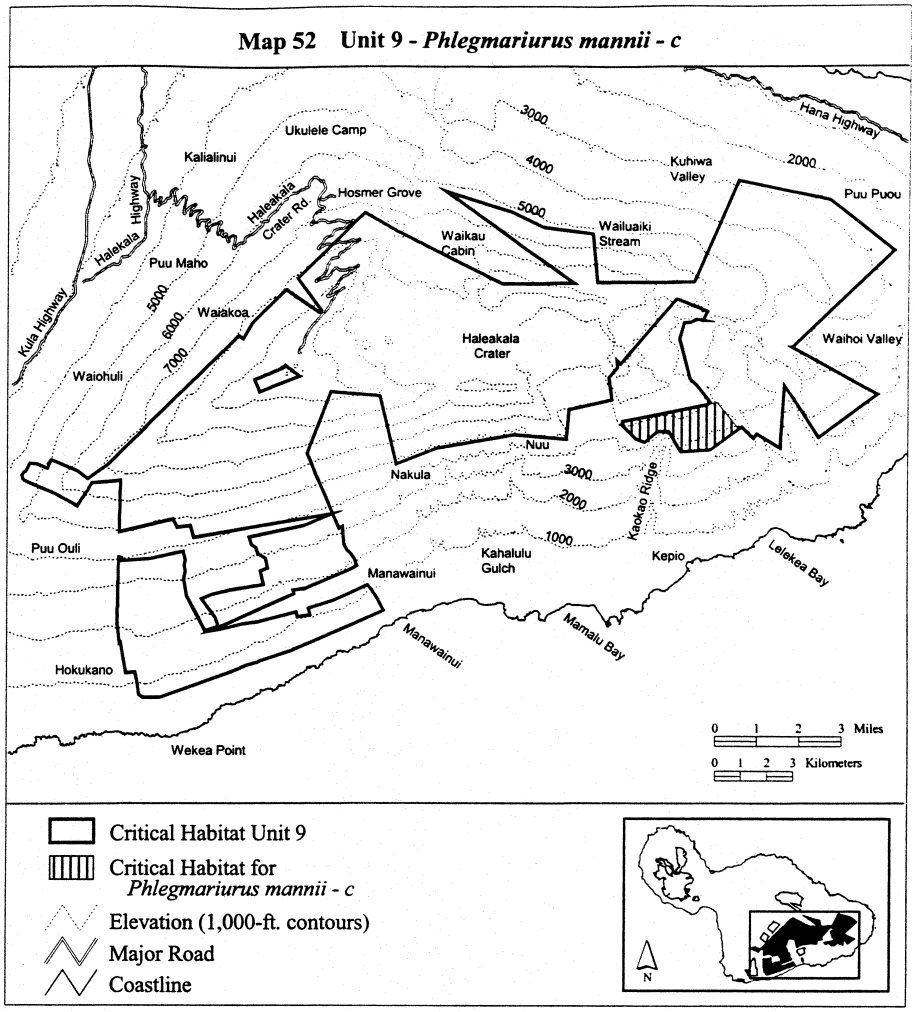
(B) NOTE: Map 51 follows:



(lii) Maui 9—*Phlegmariurus mannii*—c (476 ha; 1,176 ac).

(A) Unit consists of the following 12 boundary points: Start at 801935, 2289265; 800788, 2289185; 800342, 2289966; 799912, 2289966; 799418, 2289552; 799083, 2289679; 799034, 2289728; 798541, 2290221; 798585, 2290346; 801831, 2290999; 802185, 2291070; 803010, 2290064; return to starting point.

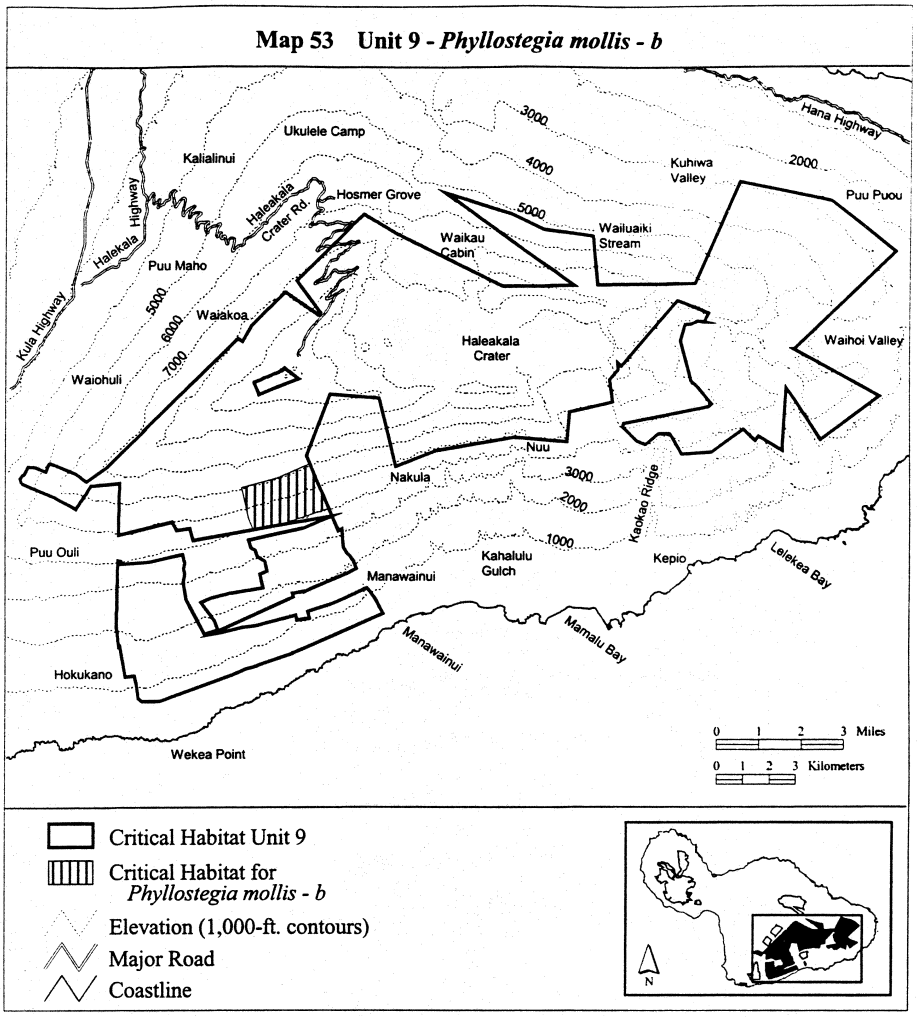
(B) NOTE: Map 52 follows:



(liii) Maui 9—*Phyllostegia mollis*—b (508 ha; 1,256 ac)

(A) Unit consists of the following 9 boundary points: Start at 787430, 2287113; 786267, 2286707; 785468, 2286458; 784537, 2286331; 784388, 2286734; 784109, 2287909; 785061, 2288163; 785507, 2288294; 786709, 2288819; return to starting point.

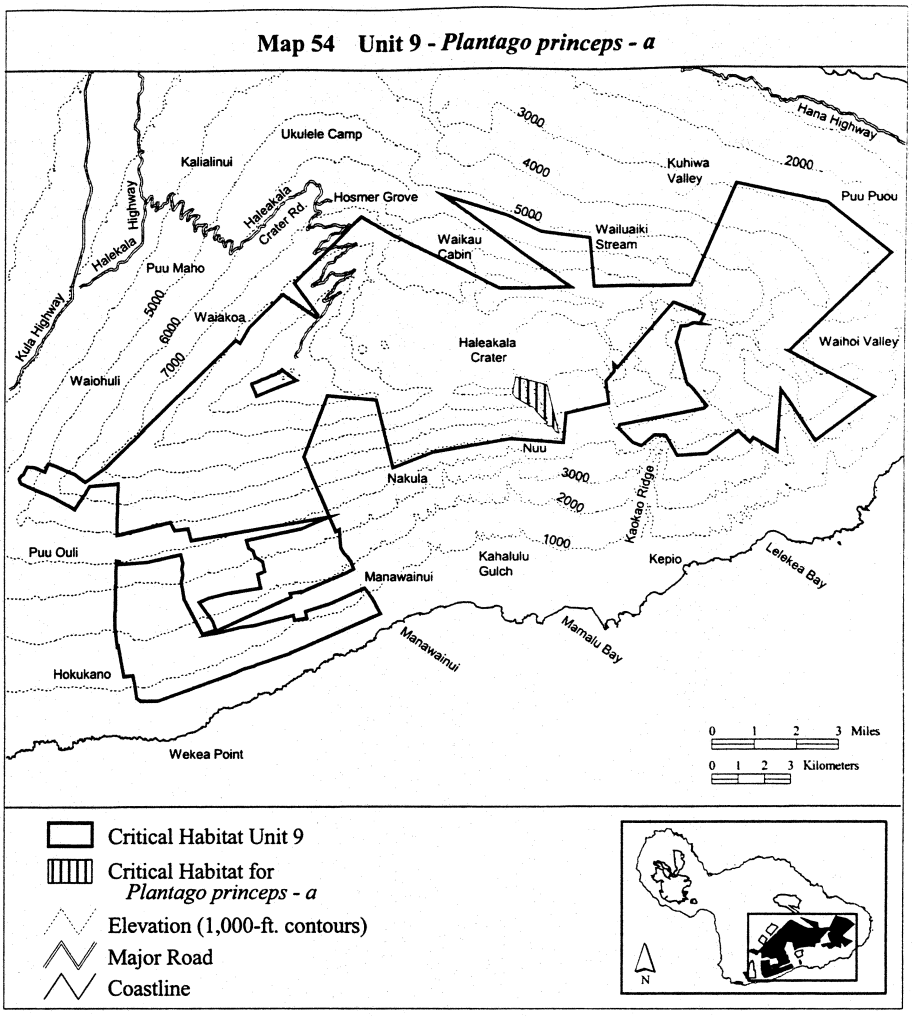
(B) NOTE: Map 53 follows:



(liv) Maui 9—*Plantago princeps*—a (164 ha; 406 ac).

(A) Unit consists of the following 13 boundary points: Start at 794508, 2291589; 794636, 2292209; 795824, 2291911; 796274, 2290033; 796133, 2290112; 796008, 2290304; 795864, 2290318; 795807, 2290385; 795821, 2290462; 795400, 2290907; 795299, 2291051; 795213, 2291075; 794614, 2291434; return to starting point.

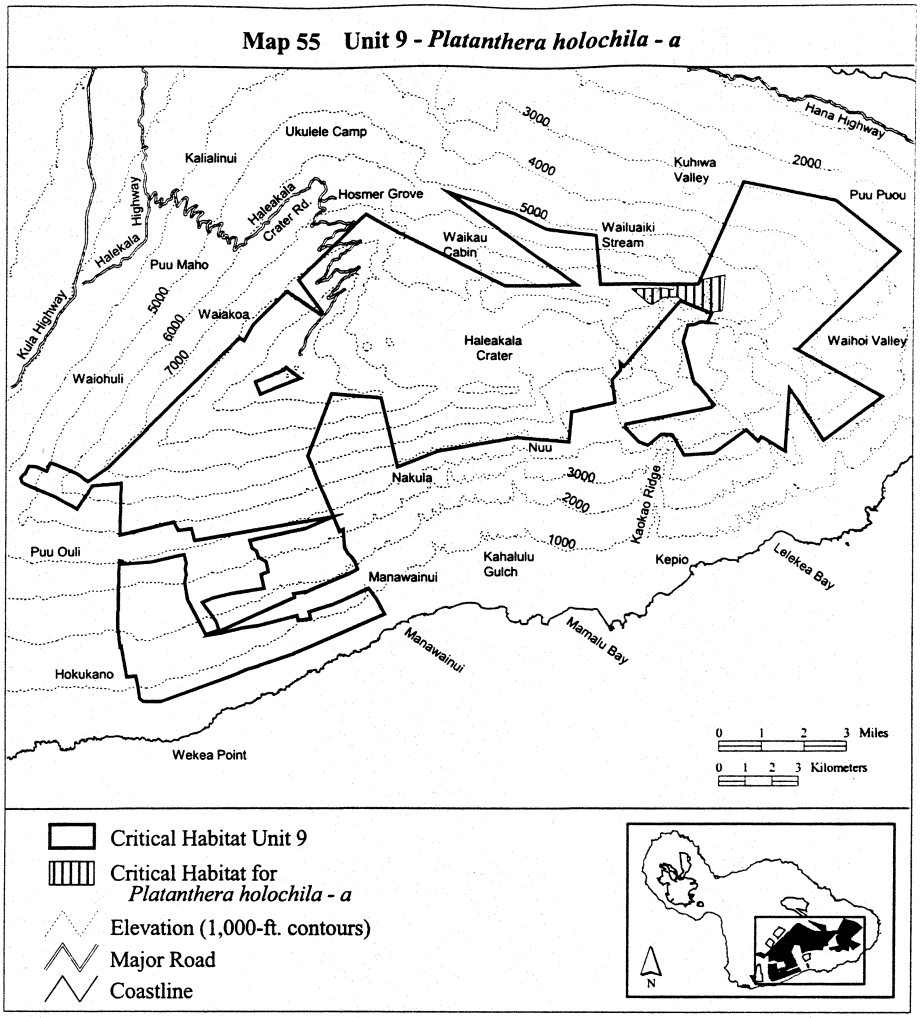
(B) NOTE: Map 54 follows:



(lv) Maui 9—*Platanthera holochila*—a (241 ha; 596 ac).

(A) Unit consists of the following 18 boundary points: Start at 800379, 2295672; 800982, 2295684; 801296, 2295688; 801297, 2295688; 801367, 2295845; 802309, 2296025; 802197, 2294658; 801820, 2294614; 801346, 2294743; 801343, 2294744; 800511, 2295191; 800001, 2295168; 799735, 2294991; 799557, 2294880; 799402, 2294969; 798778, 2295470; 799935, 2295528; 800349, 2295462; return to starting point.

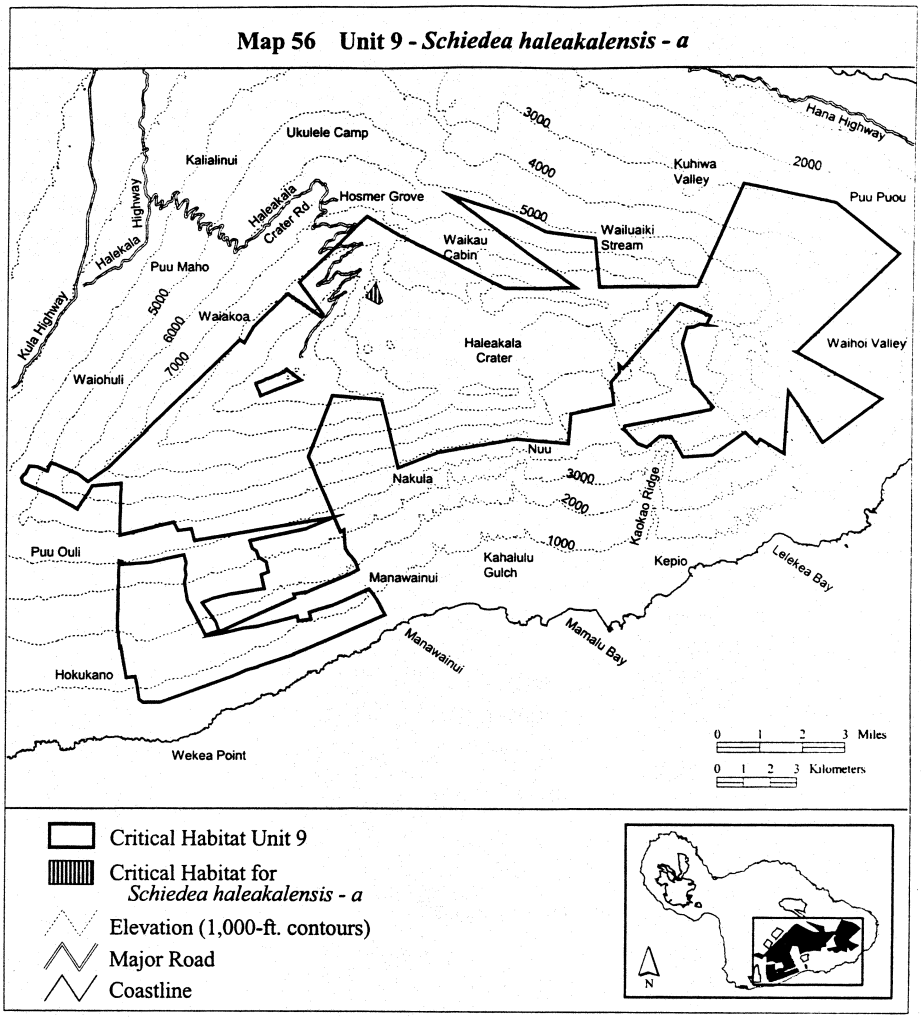
(B) NOTE: Map 55 follows:



(lvi) Maui 9—*Schiedea haleakalensis*—a (26 ha; 64 ac).

(A) Unit consists of the following 4 boundary points: Start at 789350, 2295087; 789223, 2294975; 788711, 2295251; 789089, 2295825; return to starting point.

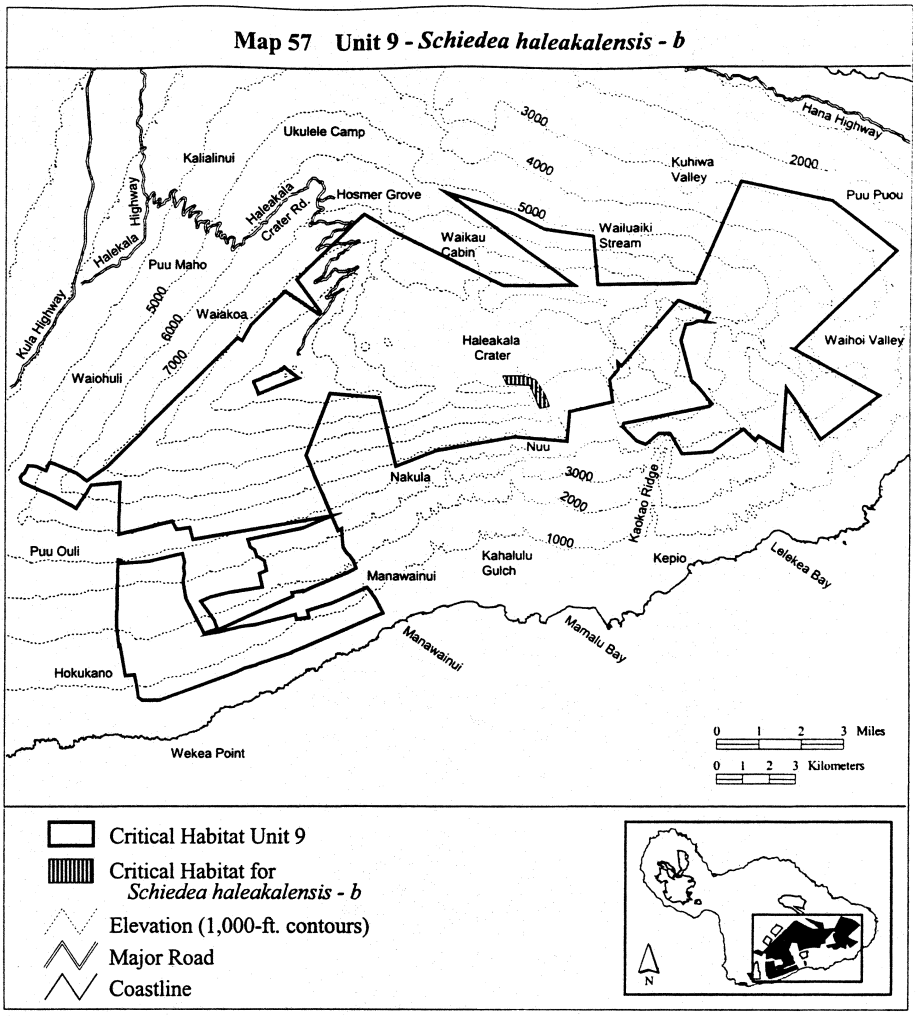
(B) NOTE: Map 56 follows:



(lvii) Maui 9—*Schiedea haleakalensis*—b (77 ha; 189 ac).

(A) Unit consists of the following 8 boundary points: Start at 794791, 2292187; 795274, 2292032; 795602, 2291475; 795788, 2291001; 795397, 2290929; 795031, 2291796; 794146, 2291863; 793984, 2292184; return to starting point.

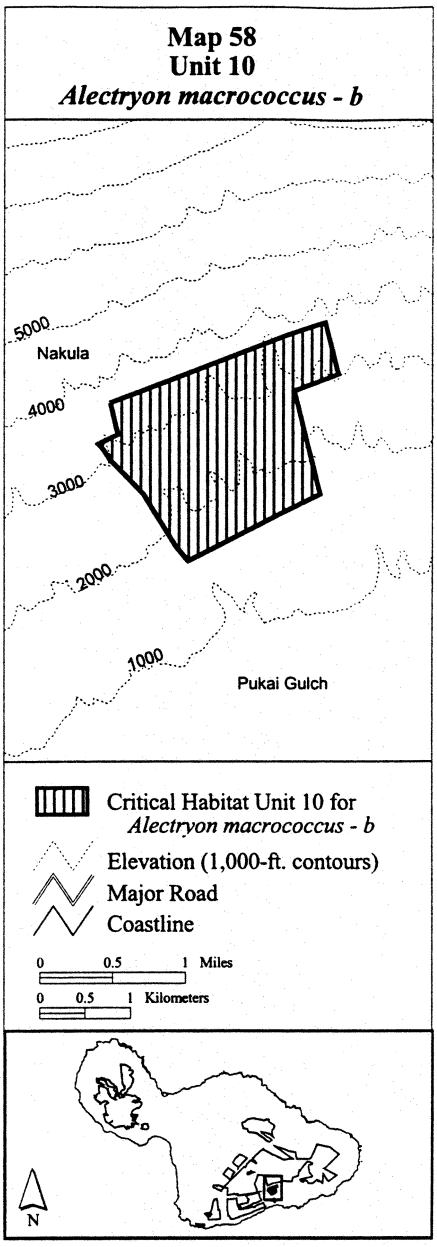
(B) NOTE: Map 57 follows:



(lviii) Maui 10—*Alectryon macrococcus*—b (402 ha; 992 ac).

(A) Unit consists of the following 25 boundary points: Start at 790161, 2287892; 790167, 2287894; 792132, 2288649; 792550, 2288788; 792695, 2288207; 792207, 2288023; 792491, 2286865; 792021, 2286624; 791018, 2286111; 790896, 2286265; 790745, 2286503; 790526, 2286863; 790525, 2286864; 790342, 2287060; 790170, 2287235; 790166, 2287238; 790160, 2287244; 790149, 2287257; 790135, 2287278; 790113, 2287317; 790099, 2287341; 790085, 2287359; 790061, 2287386; 790031, 2287426; 790244, 2287538; return to starting point.

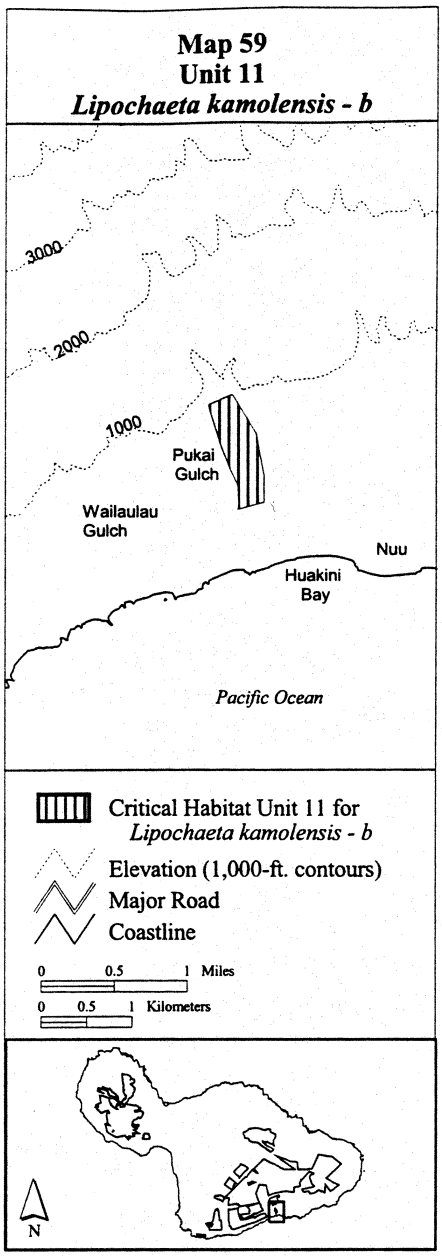
(B) NOTE: Map 58 follows:



(lix) Maui 11—*Lipochaeta kamolensis*—b (42 ha; 105 ac).

(A) Unit consists of the following 16 boundary points: Start at 791492, 2285251; 791757, 2285370; 791758, 2285368; 792019, 2284935; 792107, 2284459; 792107, 2284447; 792107, 2284163; 792103, 2284162; 791825, 2284087; 791831, 2284136; 791831, 2284137; 791825, 2284347; 791825, 2284348; 791736, 2284527; 791629, 2284802; 791506, 2285203; return to starting point.

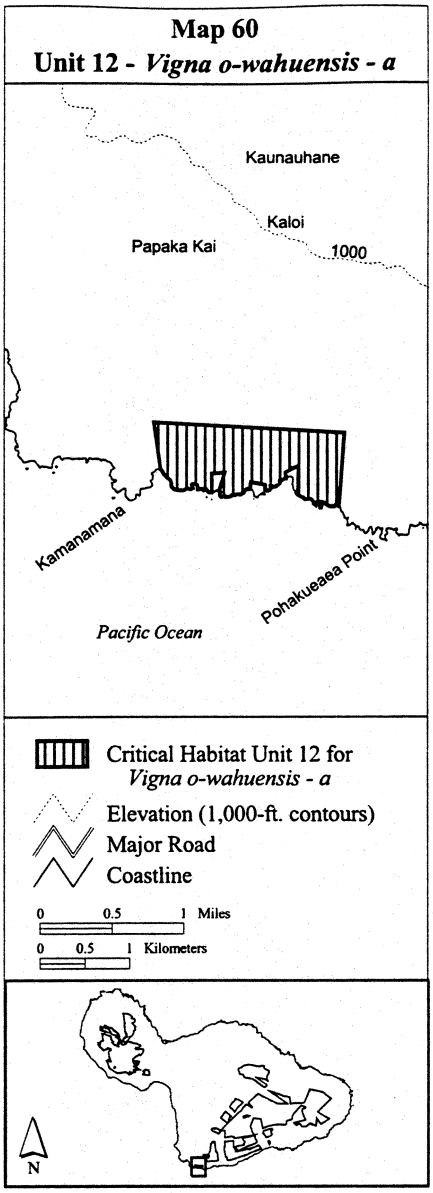
(B) NOTE: Map 59 follows:



(lx) Maui 12—*Vigna o-wahuensis*—a (144 ha; 357 ac).

(A) Unit consists of the following 27 boundary points and the intermediate coastline: Start at Start at 771207, 2278581; 771207, 2278581; 772344, 2278517; 773349, 2278461; 773349, 2278461; 773349, 2278461; 773296, 2277638; 773294, 2277610; 772830, 2277758; 772830, 2277758; 772839, 2278087; 772691, 2278009; 772697, 2277944; 772464, 2277817; 772464, 2277818; 772464, 2277873; 772302, 2277904; 772291, 2277823; 772291, 2277823; 771941, 2277804; 772001, 2278009; 771861, 2277996; 771858, 2277785; 771283, 2278049; 771283, 2278049; 771283, 2278049; 771207, 2278581; return to starting point.; return to starting point.

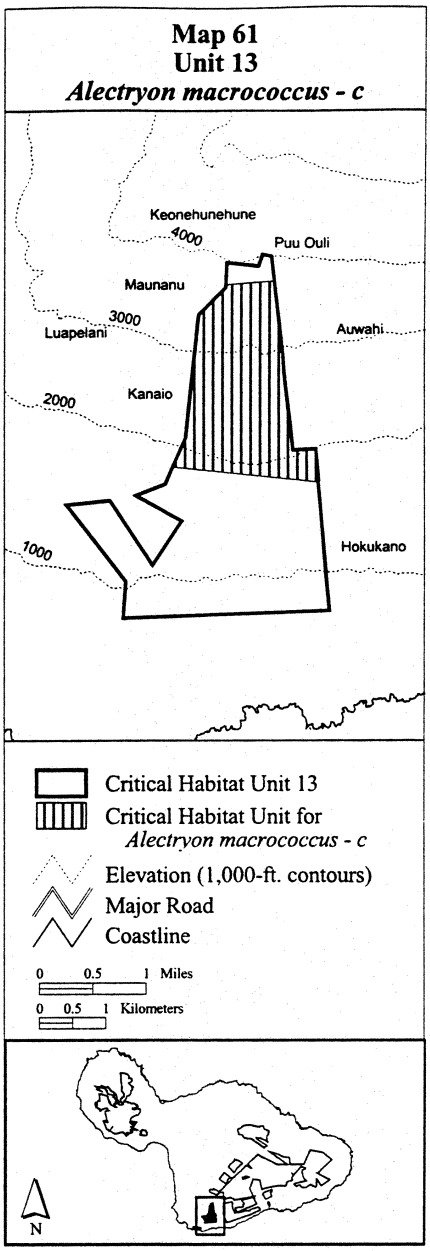
(B) NOTE: Map 60 follows:



(lxi) Maui 13—*Alectryon macrococcus*—c (418 ha; 1,034 ac).

(A) Unit consists of the following 20 boundary points: Start at 777409, 2281715; 777399, 2281716; 775210, 2281944; 775397, 2282390; 775399, 2282405; 775595, 2284266; 776003, 2284682; 776042, 2284722; 776732, 2284778; 776737, 2284731; 776802, 2284151; 776861, 2283642; 776886, 2283406; 776919, 2283097; 776983, 2282542; 777020, 2282206; 777020, 2282205; 777021, 2282204; 777365, 2282220; 777408, 2281728; return to starting point.

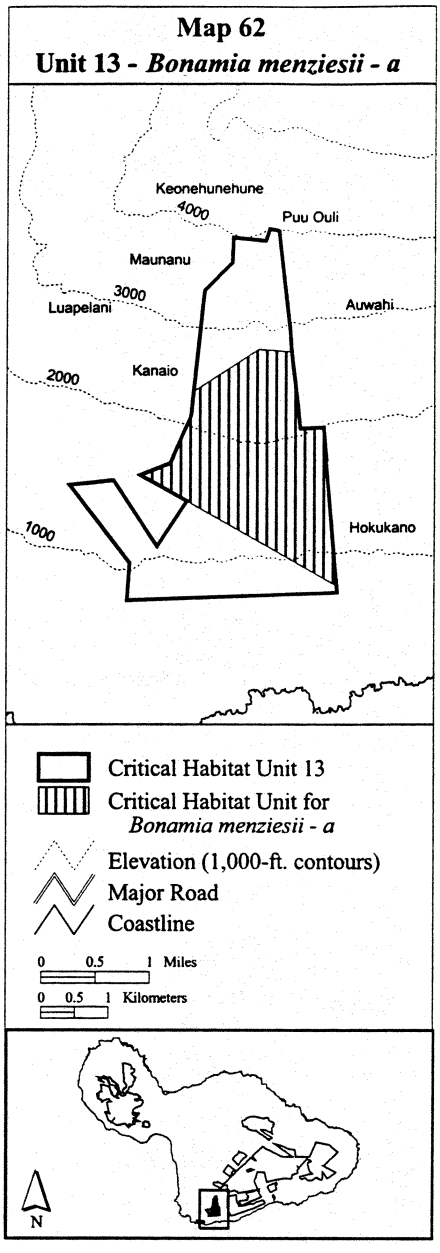
(B) NOTE: Map 61 follows:



(lxii) Maui 13—*Bonamia menziesii*—a (536 ha; 1,325 ac).

(A) Unit consists of the following 18 boundary points: Start at 777534, 2280121; 777558, 2279855; 777557, 2279856; 775339, 2281114; 774656, 2281501; 775099, 2281680; 775397, 2282390; 775399, 2282405; 775433, 2282731; 775436, 2282755; 776398, 2283391; 776891, 2283357; 776919, 2283097; 776983, 2282542; 777020, 2282206; 777020, 2282205; 777021, 2282204; 777348, 2282219; return to starting point.

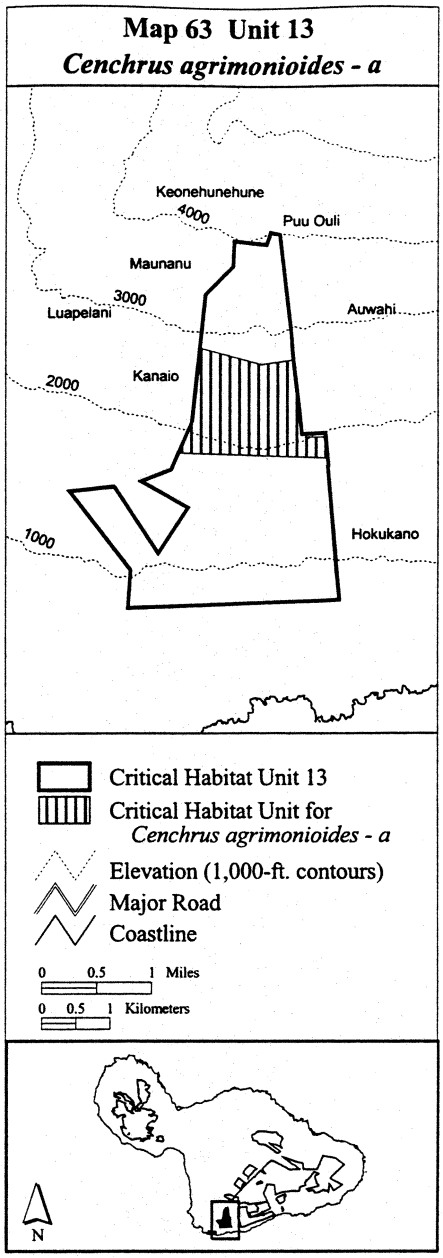
(B) NOTE: Map 62 follows:



(lxiii) Maui 13—*Cenchrus agrimonioides*—a (237 ha; 586 ac).

(A) Unit consists of the following 15 boundary points: Start at 775397, 2282390; 775399, 2282405; 775513, 2283488; 776422, 2283239; 776896, 2283308; 776919, 2283097; 776983, 2282542; 777020, 2282206; 777020, 2282205; 777021, 2282204; 777071, 2282206; 777077, 2282162; 777341, 2282162; 777390, 2281851; 775204, 2281929; return to starting point.

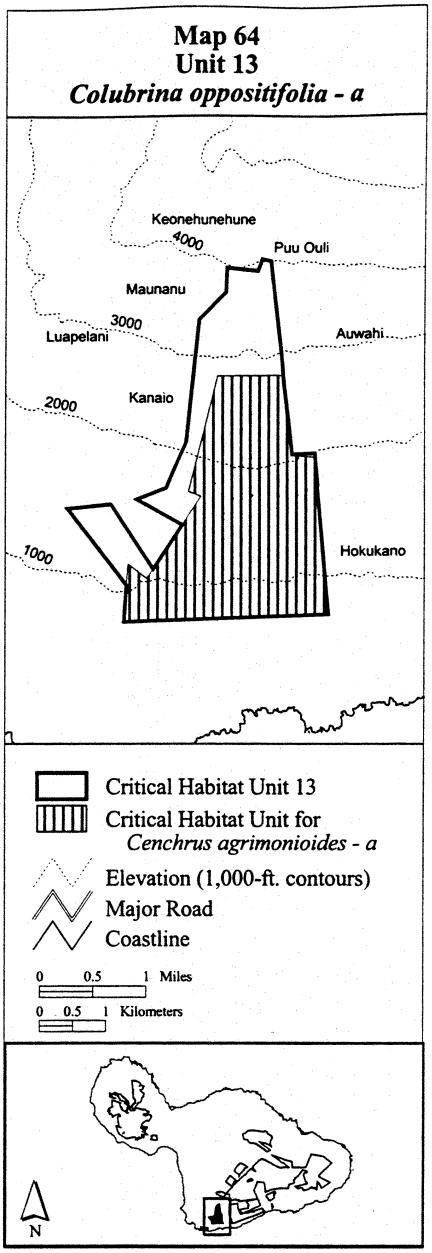
(B) NOTE: Map 63 follows:



(lxiv) Maui 13—*Colubrina oppositifolia*—a (739 ha; 1,827 ac).

(A) Unit consists of the following 20 boundary points: Start at 777399, 2281716; 777534, 2280121; 777557, 2279856; 777566, 2279748; 774460, 2279633; 774498, 2280191; 774520, 2280511; 774805, 2280290; 774901, 2280438; 775339, 2281114; 775626, 2281557; 775438, 2281627; 775884, 2283410; 776885, 2283418; 776886, 2283406; 776919, 2283097; 776983, 2282542; 776985, 2282522; 777010, 2282190; 777361, 2282167; return to starting point.

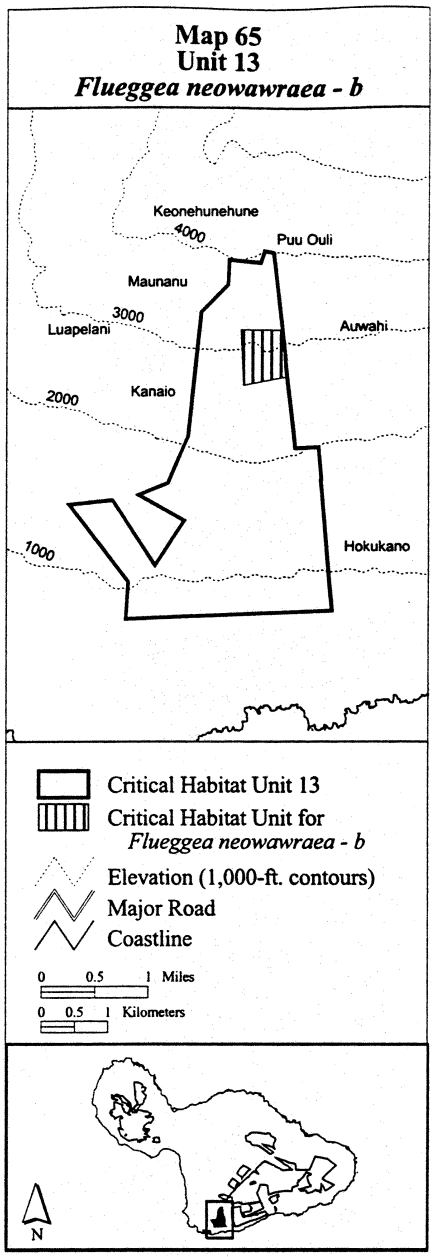
(B) NOTE: Map 64 follows:



(lxv) Maui 13—*Flueggea neowawraea*—b (50 ha; 123 ac).

(A) Unit consists of the following 6 boundary points: Start at 776821, 2283991; 776861, 2283642; 776886, 2283406; 776899, 2283288; 776236, 2283166; 776192, 2283998; return to starting point.

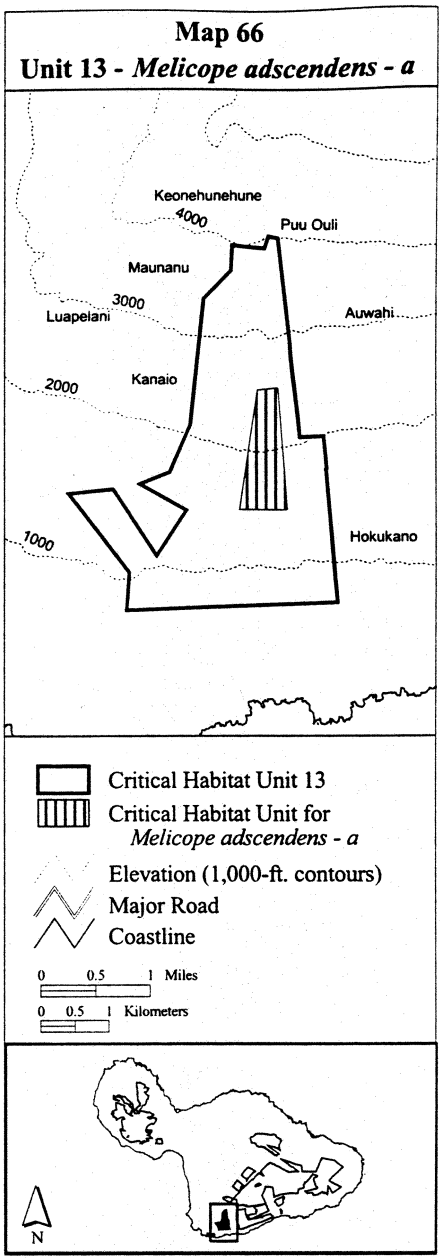
(B) NOTE: Map 65 follows:



(lxvi) Maui 13—*Melicope adscendens*—a (161 ha; 397 ac).

(A) Unit consists of the following 12 boundary points: Start at 776003, 2284682; 776019, 2285054; 776489, 2284998; 776709, 2284972; 776737, 2284731; 776802, 2284151; 776844, 2283785; 776865, 2283600; 776886, 2283406; 776919, 2283097; 776928, 2283019; 775938, 2283164; return to starting point.

(B) NOTE: Map 66 follows:

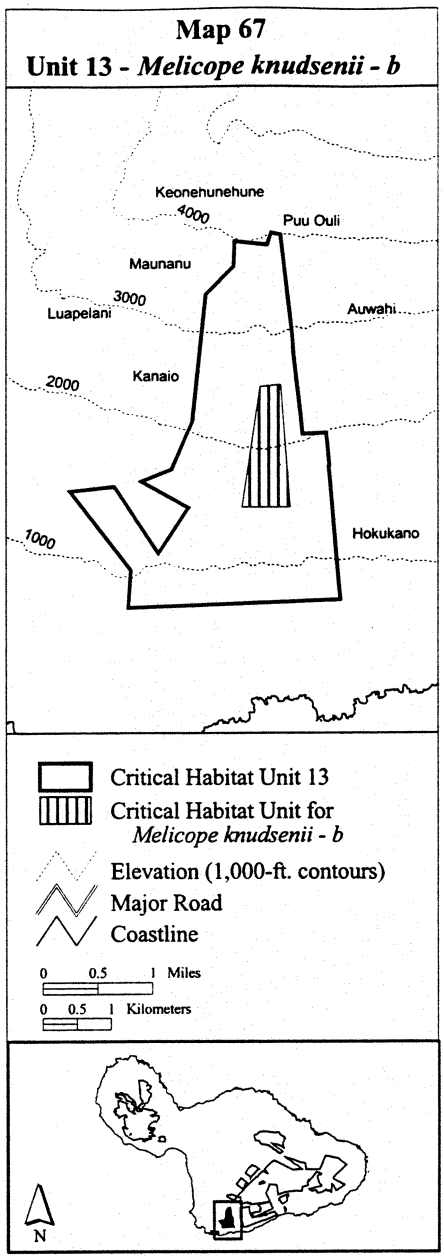


(lxvii) Maui 13—*Melicope knudsenii*—b (163 ha; 403 ac).

(A) Unit consists of the following 11 boundary points: Start at 776489, 2284998; 776552, 2285180; 776688, 2285156; 776737, 2284731; 776802, 2284151; 776854,

2283698; 776863, 2283625; 776886, 2283406; 776919, 2283097; 776948, 2282847; 775700, 2282749; return to starting point.

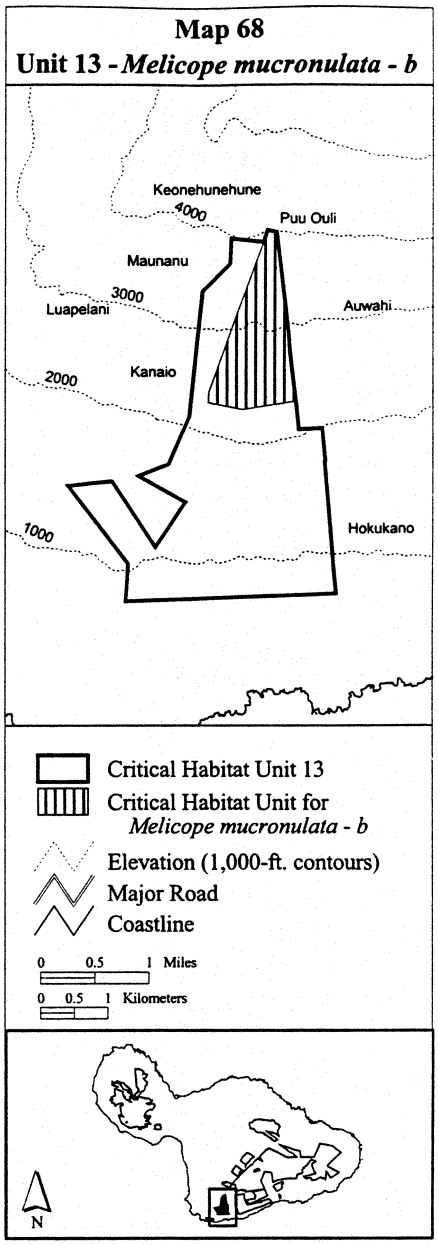
(B) NOTE: Map 67 follows:



(lxviii) Maui 13—*Melicope mucronulata*—b (195 ha; 481 ac).

(A) Unit consists of the following 13 boundary points: Start at 776560, 2285179; 776688, 2285156; 776737, 2284731; 776802, 2284151; 776834, 2283873; 776873, 2283524; 776886, 2283406; 776919, 2283097; 776973, 2282631; 776189, 2282501; 775681, 2282604; 775689, 2282754; 776094, 2283897; return to starting point.

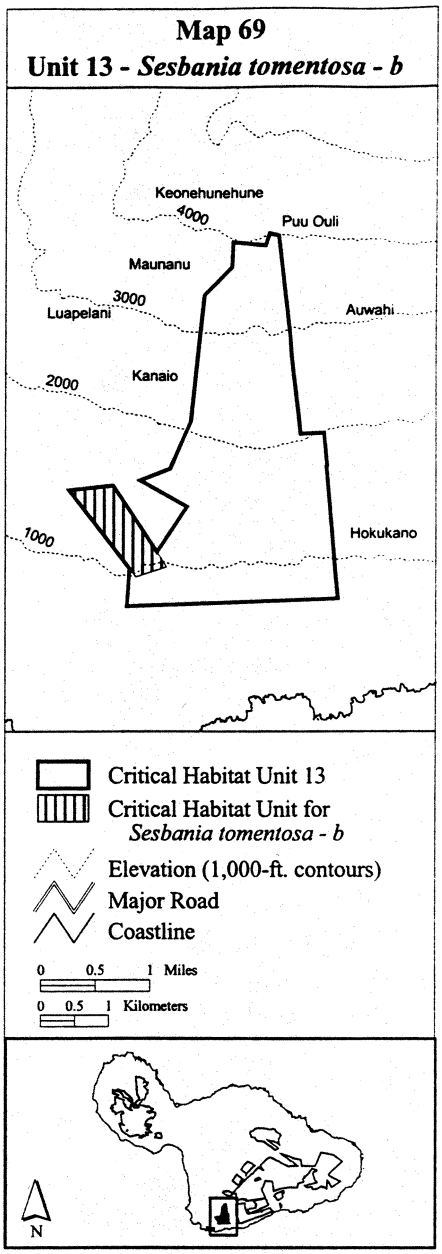
(B) NOTE: Map 68 follows:



(lxix) Maui 13—*Sesbania tomentosa*—b (79 ha; 195 ac).

(A) Unit consists of the following 6 boundary points: Start at 774498, 2280191; 773607, 2281357; 774253, 2281429; 774901, 2280438; 775045, 2280217; 774598, 2280060; return to starting point.

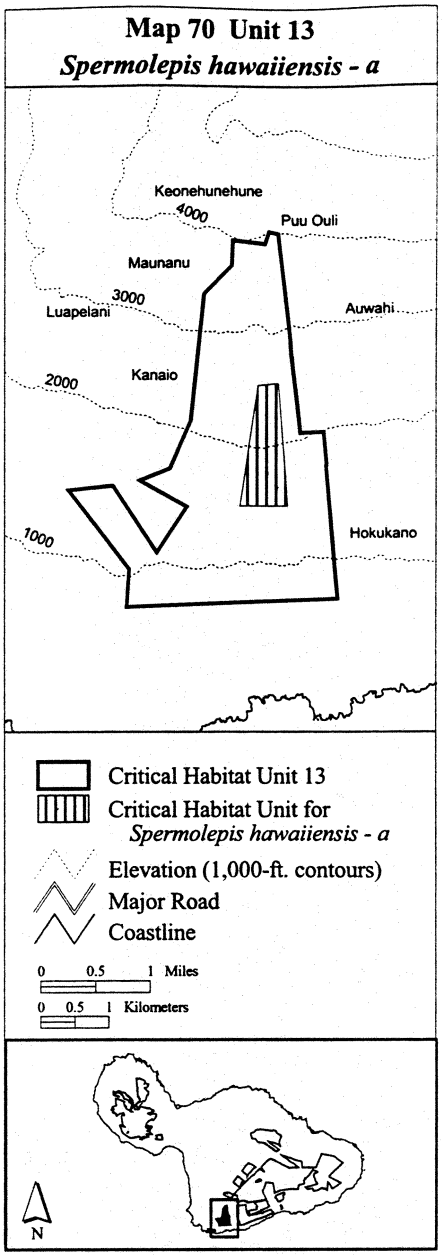
(B) NOTE: Map 69 follows:



(lxx) Maui 13—*Spermolepis hawaiiensis*—a (91 ha; 225 ac).

(A) Unit consists of the following 4 boundary points: Start at 776697, 2282941; 776828, 2281119; 776127, 2281124; 776388, 2282905; return to starting point.

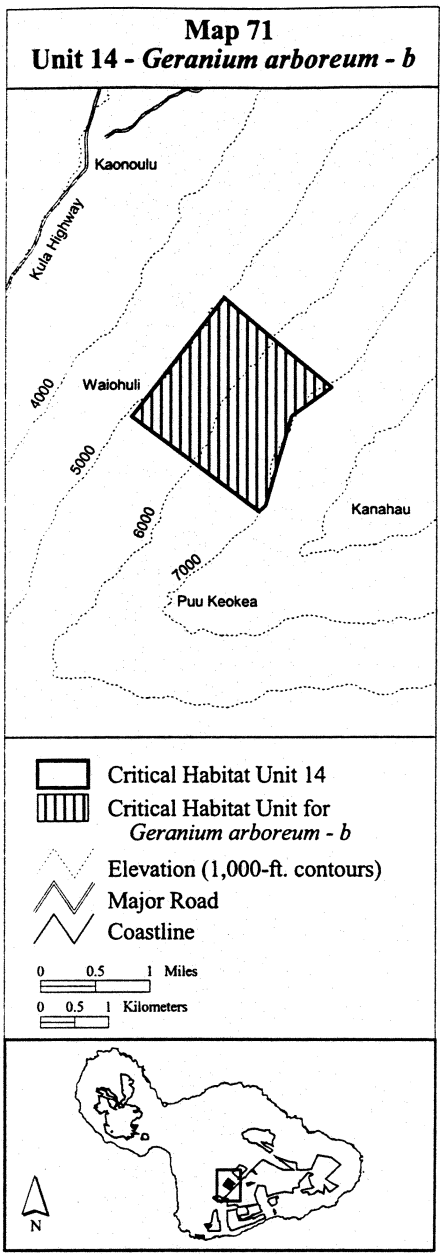
(B) NOTE: Map 70 follows:



(lxxi) Maui 14—*Geranium arboreum*—b (452 ha; 1,116 ac).

(A) Unit consists of the following 9 boundary points: Start at 780754, 2291599; 780710, 2291446; 780373, 2290270; 780279, 2290173; 780278, 2290174; 778398, 2291590; 779750, 2293350; 781334, 2292030; 781340, 2292025; return to starting point.

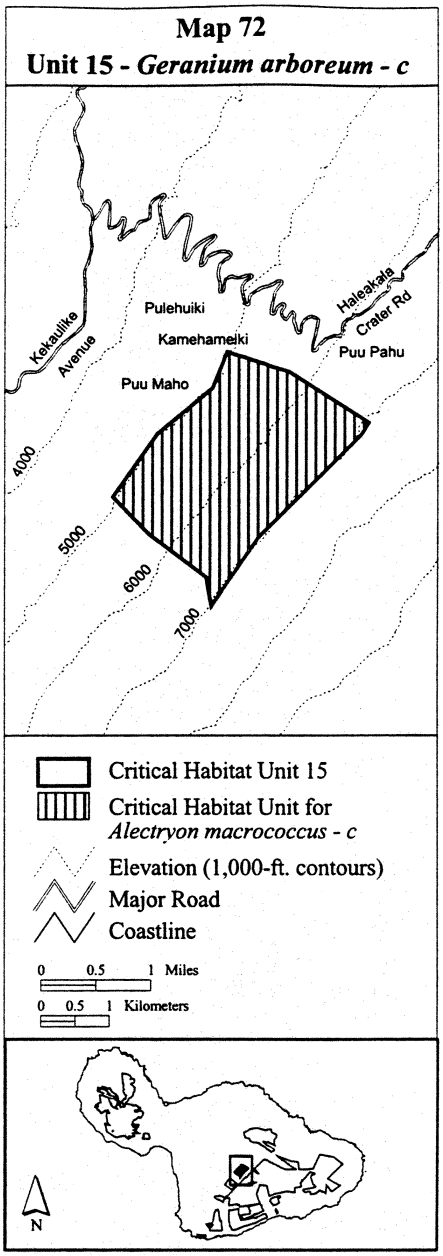
(B) NOTE: Map 71 follows:



(lxxii) Maui 15—*Geranium arboreum*—c (667 ha; 1,648 ac).

(A) Unit consists of the following 39 boundary points: Start at 783428, 2296641; 784570, 2295895; 784440, 2295690; 784206, 2295457; 782957, 2294208; 782956, 2294207; 782421, 2293422; 782263, 2293191; 782223, 2293416; 782187, 2293615; 781338, 2294254; 781096, 2294510; 780818, 2294804; 781473, 2295735; 782282, 2296409; 782490, 2296948; 782522, 2296937; 782582, 2296918; 782616, 2296907; 782636, 2296900; 782656, 2296893; 782679, 2296886; 782713, 2296875; 782816, 2296841; 782839, 2296833; 782858, 2296827; 782895, 2296816; 782965, 2296793; 783029, 2296772; 783050, 2296765; 783073, 2296758; 783093, 2296751; 783114, 2296744; 783182, 2296721; 783227, 2296707; 783263, 2296695; 783282, 2296689; 783304, 2296681; 783388, 2296654; return to starting point.

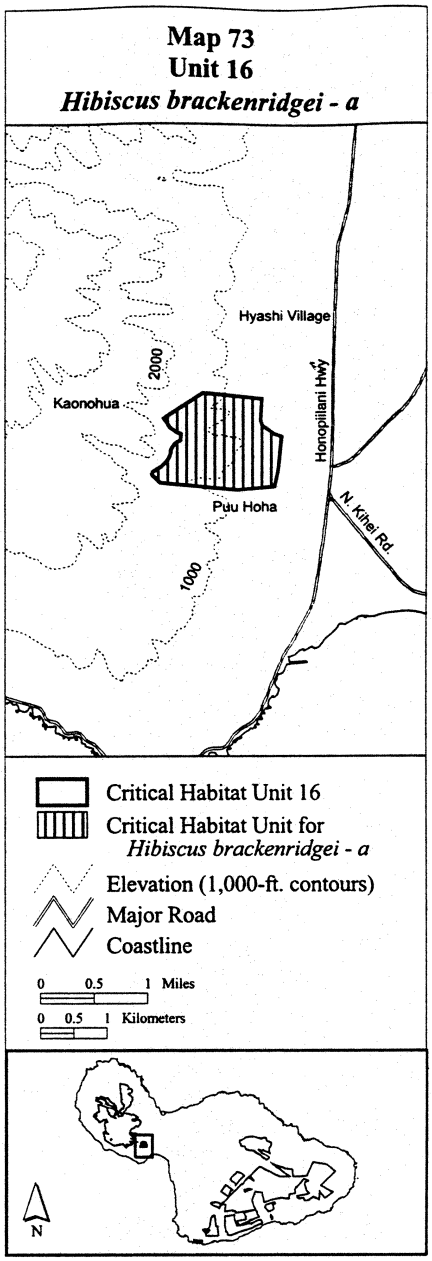
(B) NOTE: Map 72 follows:



(lxxiii) Maui 16—*Hibiscus brackenridgei*—a (212 ha; 523 ac).

(A) Unit consists of the following 27 boundary points: Start at 756769, 2303771; 756794, 2303787; 756914, 2303864; 757007, 2303958; 757033, 2304013; 757058, 2304068; 757053, 2304123; 757071, 2304153; 757104, 2304208; 757162, 2304244; 757198, 2304267; 757206, 2304365; 757138, 2304395; 757037, 2304471; 756959, 2304605; 757541, 2304994; 758421, 2304900; 758402, 2304566; 758427, 2304491; 758605, 2304369; 758716, 2304323; 758665, 2303806; 758665, 2303805; 758615, 2303558; 758067, 2303509; 756894, 2303623; 756774, 2303746; return to starting point.

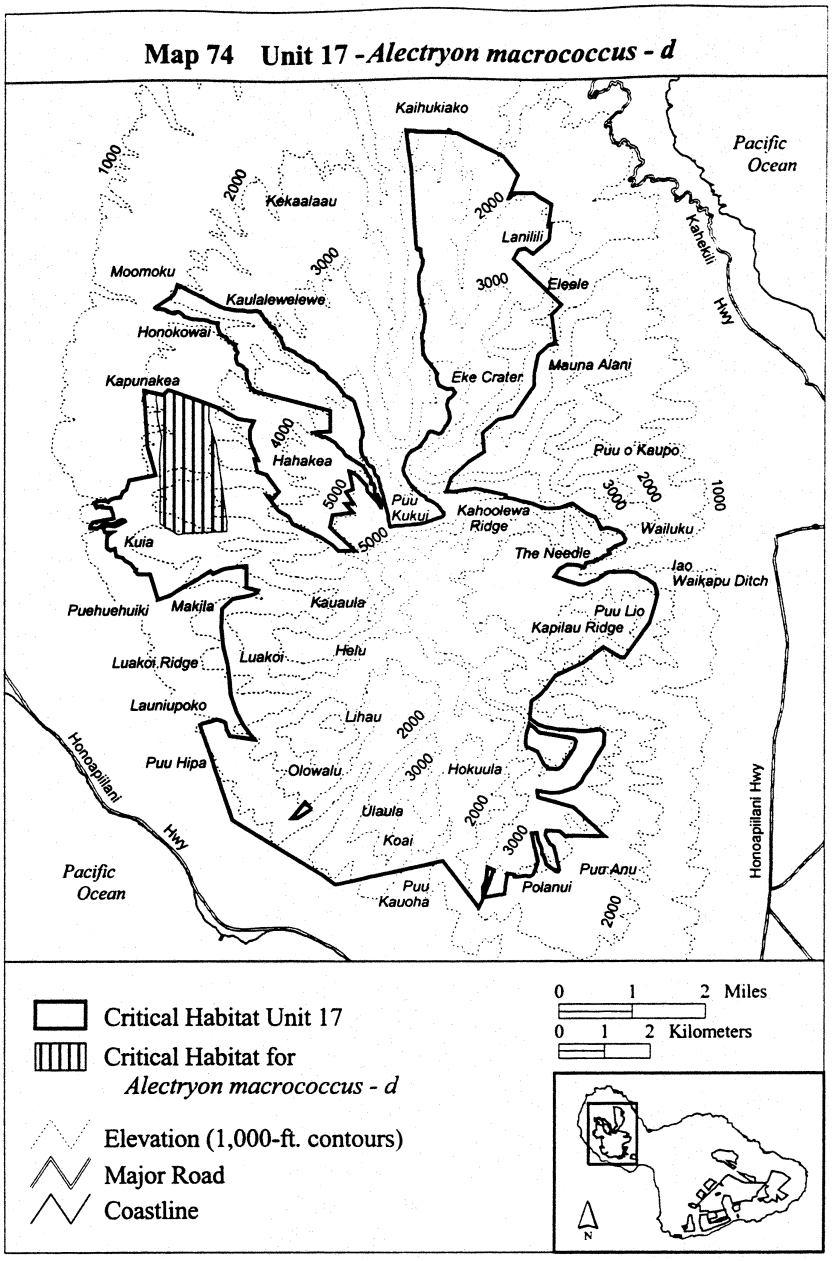
(B) NOTE: Map 73 follows:



(lxxiv) Maui 17—*Alectryon macrococcus*—d (391 ha; 965 ac).

(A) Unit consists of the following 27 boundary points: Start at 746095, 2314835; 746096, 2314835; 746207, 2314953; 746887, 2314706; 747096, 2314630; 747103, 2314277; 747172, 2314023; 747194, 2313958; 747189, 2313958; 747258, 2313703; 747500, 2311983; 747492, 2311912; 747502, 2311779; 746629, 2311755; 746420, 2311719; 746022, 2311962; 746024, 2312026; 746020, 2312039; 746014, 2312318; 746038, 2312650; 746002, 2313394; 746052, 2313940; 746048, 2313940; 745960, 2314381; 745954, 2314592; 745934, 2314718; 745938, 2314873; return to starting point.

(B) NOTE: Map 74 follows:

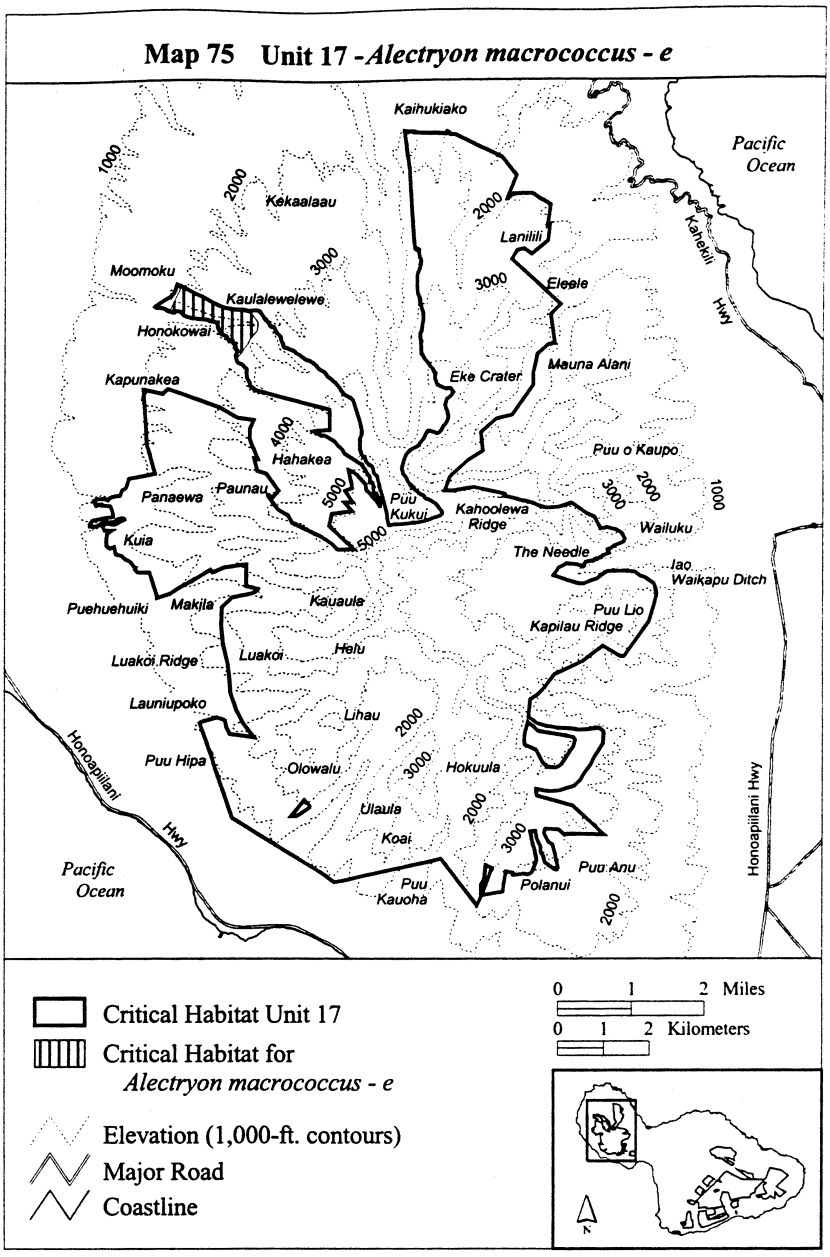


(lxxv) Maui 17—*Alectryon macrococcus*—e (110 ha; 271 ac).

(A) Unit consists of the following 105 boundary points: Start at 747695, 2315652; 747693, 2315665; 747695, 2315687; 747702, 2315718; 747713, 2315745; 747728, 2315775; 747729, 2315792; 747729, 2315793; 747717, 2315811; 747717, 2315812; 747697,

2315822; 747681, 2315836; 747675, 2315860; 747677, 2315876; 747681, 2315899; 747681, 2315918; 747667, 2315950; 747648, 2315974; 747620, 2315996; 747585, 2316012; 747546, 2316034; 747526, 2316055; 747508, 2316086; 747494, 2316109; 747476, 2316129; 747447, 2316142; 747409, 2316159; 747389, 2316169; 747365, 2316186; 747345, 2316212; 747336, 2316228; 747328, 2316244; 747312, 2316282; 747299, 2316323; 747290, 2316361; 747289, 2316384; 747289, 2316392; 747296, 2316429; 747296, 2316430; 747296, 2316431; 747260, 2316441; 747214, 2316449; 747159, 2316459; 747125, 2316462; 747109, 2316472; 747100, 2316476; 747078, 2316500; 747077, 2316501; 747055, 2316503; 747024, 2316497; 746977, 2316510; 746946, 2316512; 746922, 2316518; 746881, 2316516; 746836, 2316520; 746786, 2316524; 746741, 2316526; 746698, 2316533; 746655, 2316550; 746617, 2316562; 746584, 2316571; 746551, 2316595; 746533, 2316622; 746505, 2316643; 746458, 2316680; 746457, 2316680; 746411, 2316689; 746410, 2316689; 746348, 2316682; 746338, 2316683; 746337, 2316682; 746335, 2316658; 746329, 2316659; 746231, 2316679; 746501, 2317239; 746647, 2317164; 746706, 2317135; 746859, 2317060; 746968, 2317006; 747190, 2316887; 747229, 2316866; 747344, 2316808; 747418, 2316781; 747517, 2316751; 747602, 2316733; 747628, 2316729; 747715, 2316716; 747716, 2316715; 747717, 2316715; 747937, 2316652; 748040, 2316630; 748046, 2316620; 748049, 2316619; 748181, 2316434; 748179, 2316409; 748181, 2316406; 748176, 2316380; 748164, 2316249; 748053, 2316110; 747990, 2316024; 747963, 2315953; 747889, 2315855; 747846, 2315782; 747792, 2315728; 747733, 2315650; return to starting point.

(B) NOTE: Map 75 follows:

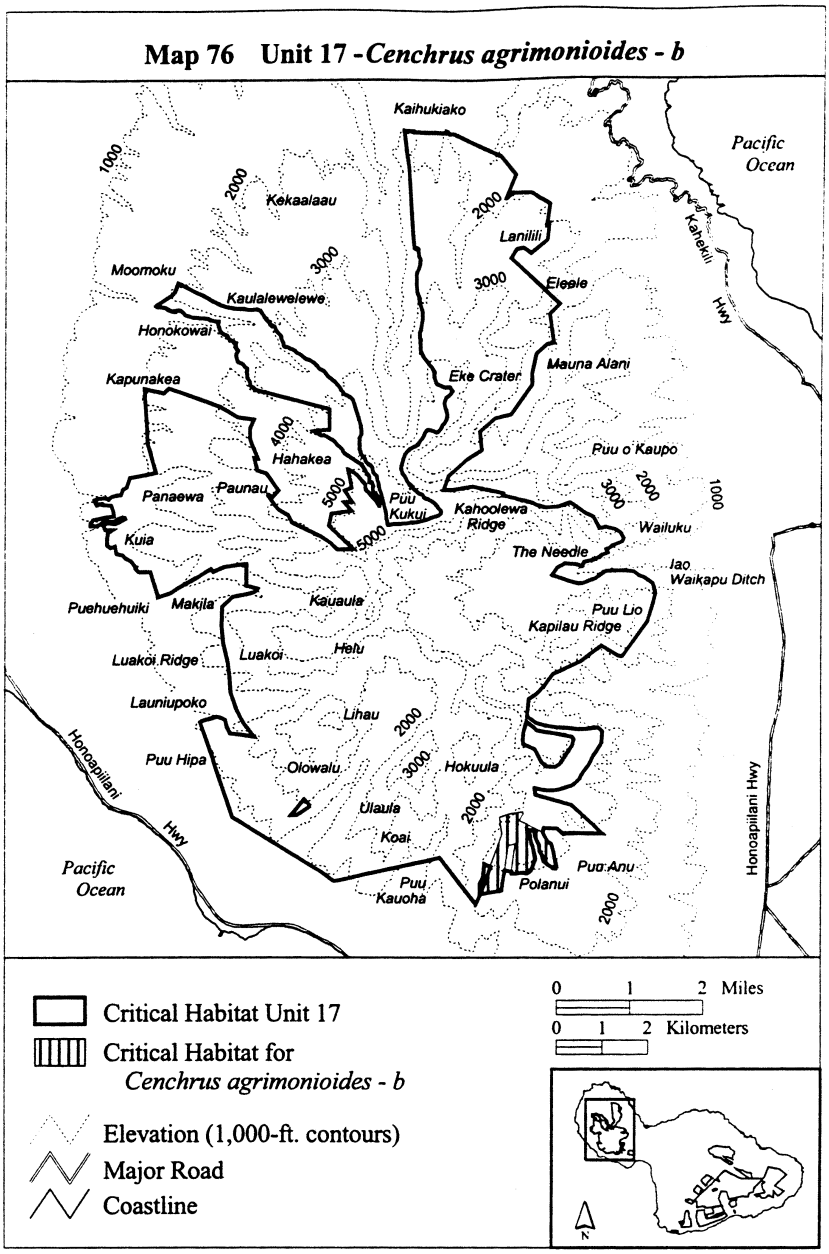


(lxxvi) Maui 17—*Cenchrus agrimonioides*—b (119 ha; 293 ac).

(A) Unit consists of the following 55 boundary points: Start at 753366, 2304292; 753617, 2305024; 753566, 2305394; 753780, 2305464; 754068, 2305512; 754084, 2305461; 754013, 2305321; 754480, 2305078; 754546, 2305000; 754621, 2304863; 754699,

2304812; 754764, 2304356; 754769, 2304263; 754770, 2304254; 754759, 2304261; 754670, 2304324; 754542, 2304415; 754352, 2305097; 754319, 2305108; 754132, 2305170; 754163, 2305075; 754239, 2304985; 754242, 2304971; 754278, 2304785; 754347, 2304463; 754340, 2304443; 754333, 2304422; 754326, 2304400; 754314, 2304365; 754314, 2304364; 754278, 2304259; 754277, 2304259; 754068, 2304164; 754067, 2304164; 754066, 2304164; 754065, 2304164; 753918, 2304149; 753825, 2304139; 753832, 2304195; 753908, 2304800; 753751, 2304765; 753675, 2304217; 753632, 2303912; 753617, 2303805; 753611, 2303762; 753577, 2303756; 753550, 2303751; 753534, 2303749; 753531, 2303748; 753152, 2303682; 753163, 2303713; 753304, 2304113; 753310, 2304130; 753365, 2304285; 753367, 2304292; return to starting point.

(B) NOTE: Map 76 follows:

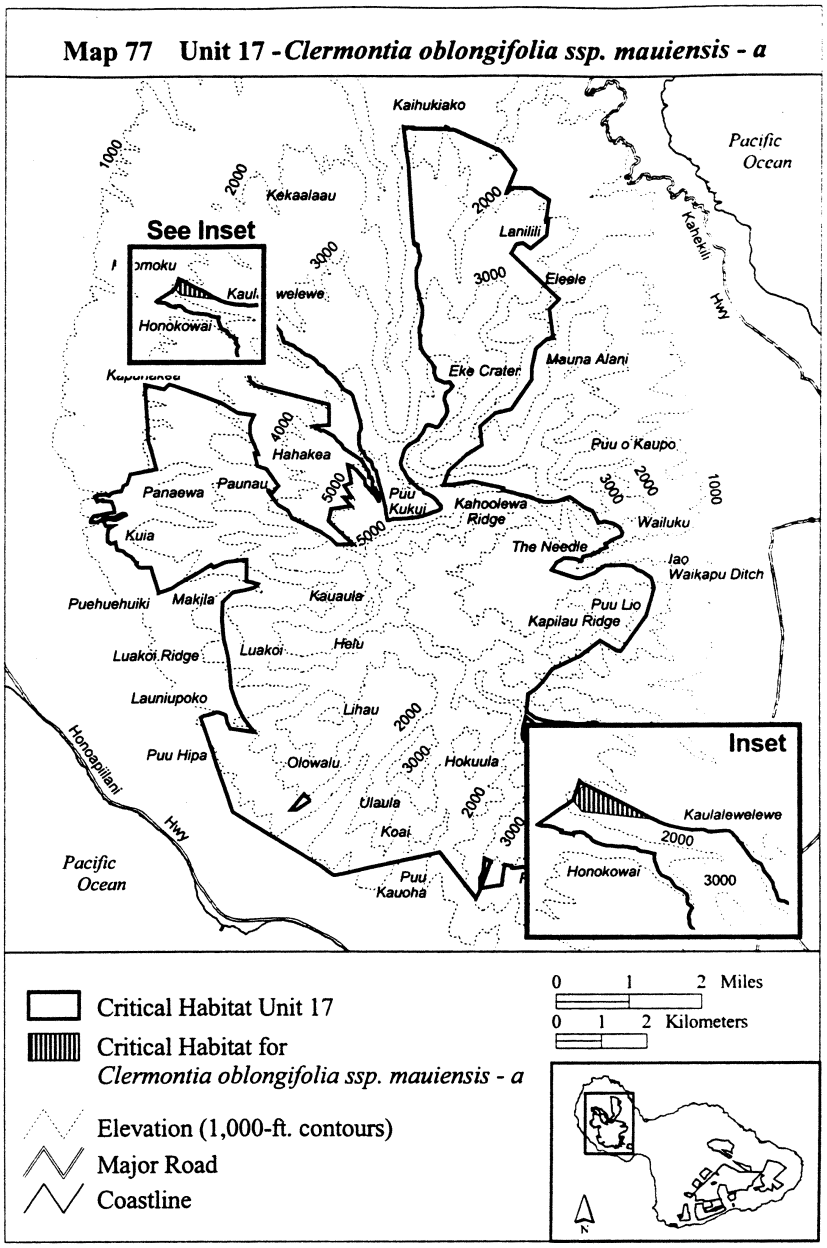


(lxxvii) Maui 17—*Clermontia oblongifolia* ssp. *mauiensis*—a (16 ha; 40 ac).

(A) Unit consists of the following 12 boundary points: Start at 746327, 2317071; 746357, 2317155; 746471, 2317255; 746647, 2317164; 746706, 2317135; 746859,

2317060; 746968, 2317006; 747190, 2316887; 747229, 2316866; 747288, 2316836; 746433, 2316935; 746323, 2317068; return to starting point.

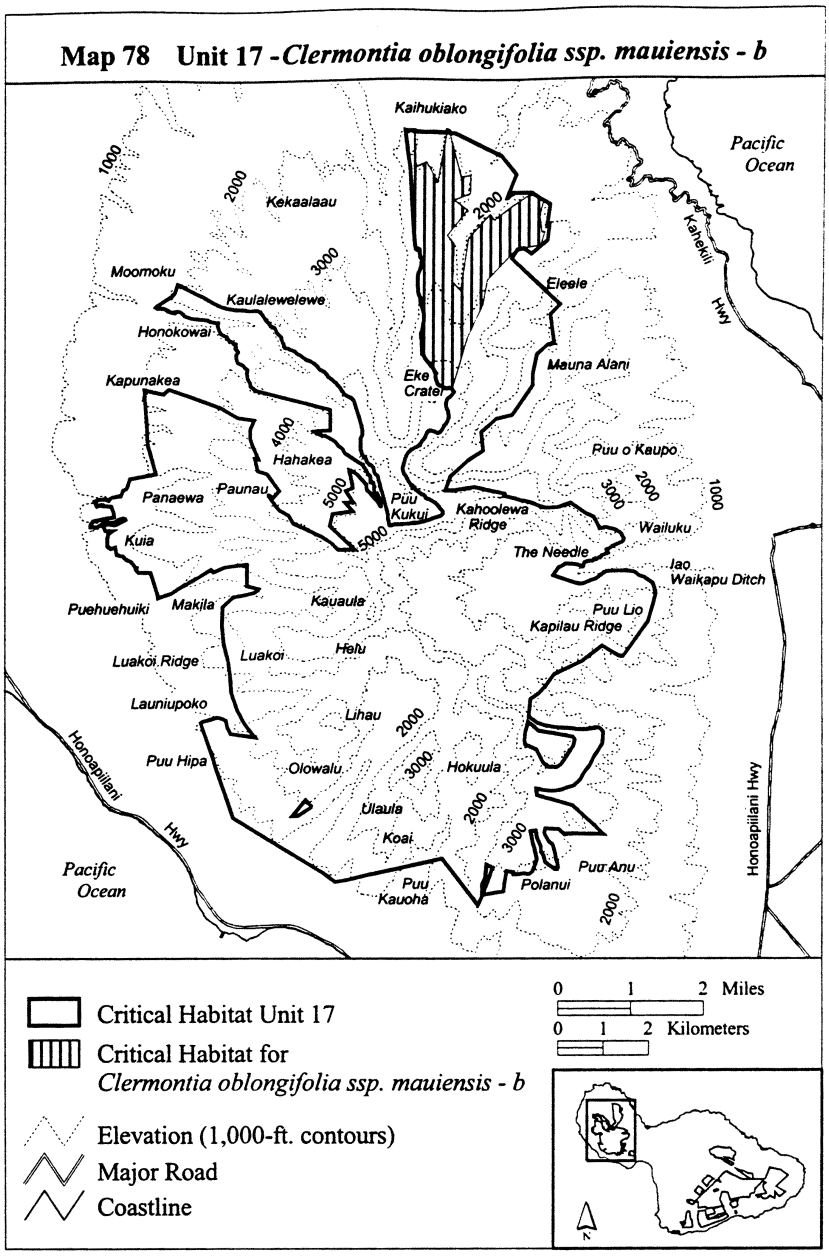
(B) NOTE: Map 77 follows:



(lxxviii) Maui 17—*Clermontia oblongifolia* ssp. *mauiensis*—b (696 ha; 1,720 ac).

(A) Unit consists of the following 130 boundary points: Start at 752453, 2314975; 752453, 2314976; 752416, 2314975; 752381, 2314973; 752342, 2314967; 752250, 2315013; 752158, 2315058; 752138, 2315091; 752117, 2315151; 752108, 2315196; 752103, 2315252; 752113, 2315300; 752112, 2315302; 752096, 2315325; 752085, 2315344; 752070, 2315374; 752051, 2315406; 752026, 2315438; 751991, 2315478; 751949, 2315532; 751900, 2315589; 751856, 2315640; 751831, 2315694; 751805, 2315739; 751802, 2315745; 751780, 2316007; 751791, 2316023; 751792, 2316024; 751792, 2316025; 751785, 2316046; 751774, 2316078; 751771, 2316121; 751767, 2316164; 751778, 2316192; 751794, 2316230; 751799, 2316258; 751807, 2316311; 751812, 2316339; 751828, 2316408; 751840, 2316469; 751842, 2316535; 751836, 2316587; 751832, 2316640; 751828, 2316678; 751828, 2316679; 751812, 2316711; 751793, 2316765; 751774, 2316831; 751763, 2316879; 751754, 2316929; 751744, 2317001; 751727, 2317051; 751703, 2317090; 751693, 2317225; 751691, 2317254; 751693, 2317261; 751698, 2317290; 751694, 2317322; 751695, 2317366; 751697, 2317415; 751702, 2317462; 751715, 2317522; 751728, 2317571; 751747, 2317619; 751767, 2317682; 751769, 2317710; 751778, 2317751; 751782, 2317790; 751782, 2317791; 751769, 2317829; 751750, 2317859; 751741, 2317901; 751738, 2317949; 751738, 2317997; 751730, 2318034; 751729, 2318035; 751714, 2318045; 751713, 2318046; 751712, 2318046; 751690, 2318034; 751665, 2318030; 751651, 2318051; 751640, 2318085; 751632, 2318124; 751599, 2318608; 751517, 2319810; 751458, 2320229; 751458, 2320252; 751458, 2320253; 751454, 2320260; 751411, 2320566; 751402, 2320630; 751401, 2320638; 751430, 2320630; 751621, 2320578; 751649, 2319822; 751885, 2319941; 752122, 2319497; 752334, 2320586; 752346, 2320647; 752379, 2320632; 752380, 2320629; 752654, 2319615; 752861, 2319645; 752861, 2319260; 752506, 2319113; 752802, 2318906; 752358, 2318344; 752506, 2318166; 752477, 2317338; 752654, 2317131; 752832, 2318285; 753305, 2318817; 753393, 2318669; 753778, 2318965; 754192, 2319231; 754441, 2319131; 754485, 2319104; 754399, 2318787; 754458, 2318403; 754519, 2318419; 754431, 2318127; 754060, 2318058; 753902, 2318028; 753875, 2318023; 753250, 2317363; 753146, 2316807; 752799, 2316077; 752486, 2315000; 752460, 2314964; return to starting point.

(B) NOTE: Map 78 follows:

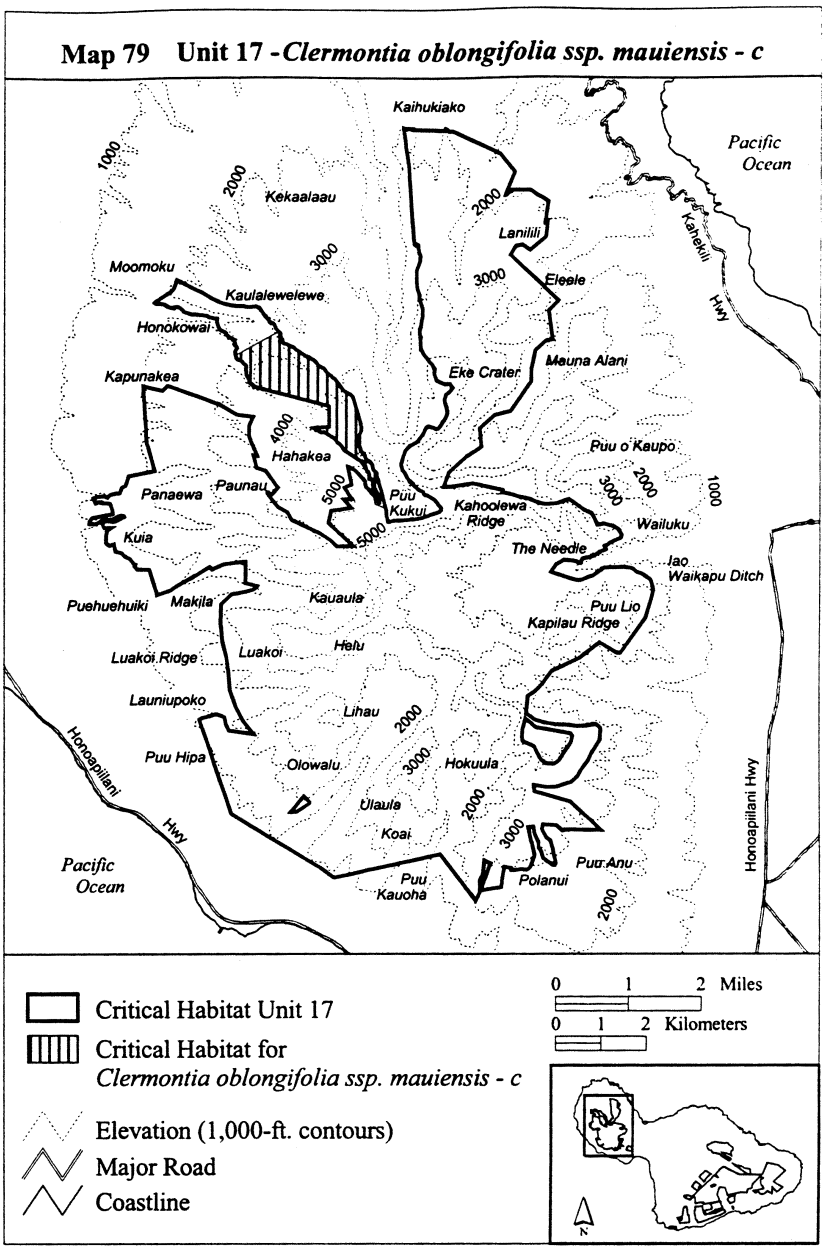


(lxxix) Maui 17—*Clermontia oblongifolia* ssp. *mauiensis*—c (296 ha; 732 ac).

(A) Unit consists of the following 262 boundary points: Start at 750654, 2312939; 750658, 2312963; 750658, 2312964; 750644, 2312989; 750610, 2313159; 750421,

2313289; 750102, 2313508; 750074, 2313542; 750046, 2313594; 750046, 2313595; 749977, 2313657; 749957, 2313674; 749879, 2313766; 749865, 2313785; 749864, 2313785; 749692, 2313889; 749655, 2313912; 749653, 2313912; 749594, 2313900; 749427, 2313998; 749481, 2314008; 749517, 2314015; 749719, 2314022; 749762, 2314024; 749763, 2314024; 749764, 2314024; 749764, 2314025; 749764, 2314060; 749776, 2314062; 749776, 2314445; 749768, 2314447; 749769, 2314498; 749768, 2314500; 749767, 2314500; 748184, 2314906; 748105, 2314940; 748092, 2314945; 748090, 2314947; 748089, 2314948; 748069, 2314973; 748068, 2314973; 748029, 2314987; 748007, 2315005; 748001, 2315029; 748005, 2315065; 748005, 2315083; 747994, 2315106; 747975, 2315127; 747954, 2315161; 747942, 2315193; 747940, 2315201; 747933, 2315253; 747929, 2315289; 747930, 2315329; 747935, 2315356; 747931, 2315379; 747914, 2315403; 747887, 2315423; 747857, 2315454; 747831, 2315482; 747792, 2315504; 747772, 2315512; 747727, 2315626; 748615, 2316119; 748666, 2316120; 748680, 2316102; 748682, 2316095; 748687, 2316079; 748691, 2316057; 748698, 2316026; 748698, 2316025; 748717, 2315987; 748727, 2315962; 748733, 2315944; 748738, 2315922; 748743, 2315901; 748750, 2315885; 748758, 2315876; 748759, 2315875; 748770, 2315868; 748796, 2315863; 748806, 2315862; 748826, 2315861; 748849, 2315847; 748876, 2315834; 748913, 2315824; 748949, 2315807; 748960, 2315800; 749000, 2315773; 749021, 2315756; 749067, 2315724; 749090, 2315709; 749140, 2315671; 749173, 2315647; 749188, 2315640; 749205, 2315627; 749223, 2315614; 749244, 2315605; 749332, 2315568; 749353, 2315555; 749385, 2315535; 749404, 2315524; 749421, 2315514; 749470, 2315477; 749479, 2315464; 749486, 2315451; 749500, 2315430; 749524, 2315402; 749550, 2315385; 749571, 2315373; 749617, 2315351; 749628, 2315342; 749652, 2315326; 749666, 2315306; 749677, 2315288; 749682, 2315280; 749701, 2315256; 749720, 2315236; 749736, 2315224; 749781, 2315186; 749804, 2315173; 749833, 2315147; 749874, 2315098; 749888, 2315088; 749934, 2315046; 749960, 2315009; 750020, 2314928; 750057, 2314876; 750072, 2314855; 750097, 2314830; 750120, 2314809; 750138, 2314798; 750173, 2314786; 750215, 2314763; 750223, 2314758; 750232, 2314754; 750246, 2314737; 750265, 2314720; 750286, 2314703; 750288, 2314702; 750454, 2314143; 750461, 2314125; 750462, 2314110; 750462, 2314098; 750469, 2314075; 750476, 2314039; 750478, 2314029; 750479, 2314015; 750481, 2313991; 750479, 2313958; 750479, 2313946; 750479, 2313933; 750476, 2313919; 750468, 2313903; 750450, 2313871; 750441, 2313851; 750441, 2313850; 750438, 2313827; 750440, 2313794; 750439, 2313772; 750436, 2313747; 750437, 2313723; 750437, 2313700; 750439, 2313671; 750438, 2313647; 750435, 2313610; 750436, 2313597; 750436, 2313596; 750441, 2313585; 750451, 2313562; 750456, 2313545; 750463, 2313528; 750465, 2313510; 750469, 2313497; 750469, 2313496; 750477, 2313484; 750491, 2313465; 750505, 2313443; 750510, 2313432; 750515, 2313420; 750526, 2313409; 750541, 2313398; 750551, 2313389; 750560, 2313367; 750565, 2313356; 750572, 2313334; 750578, 2313319; 750591, 2313304; 750609, 2313283; 750640, 2313257; 750643, 2313255; 750652, 2313247; 750674, 2313233; 750689, 2313219; 750704, 2313203; 750713, 2313180; 750725, 2313151; 750736, 2313118; 750747, 2313077; 750753, 2313062; 750767, 2313040; 750774, 2313031; 750792, 2313015; 750803, 2313003; 750815, 2312997; 750834, 2312921; 750866, 2312797; 750864, 2312784; 750864, 2312768; 750864, 2312767; 750868, 2312756; 750877, 2312736; 750881, 2312727; 750882, 2312717; 750888, 2312691; 750895, 2312668; 750904, 2312647; 750904, 2312646; 750905, 2312646; 751008, 2312240; 751019, 2312199; 751038, 2312126; 751038, 2312124; 751038, 2312092; 751037, 2312087; 751022, 2312131; 751013, 2312201; 750784, 2312291; 750742, 2312502; 750763, 2312476; 750804, 2312434; 750835, 2312384; 750877, 2312324; 750877, 2312323; 750878, 2312323; 750879, 2312323; 750880, 2312324; 750889, 2312378; 750889, 2312379; 750885, 2312387; 750887, 2312412; 750887, 2312413; 750876, 2312455; 750851, 2312517; 750819, 2312576; 750799, 2312595; 750799, 2312596; 750798, 2312596; 750757, 2312591; 750749, 2312590; 750747, 2312611; 750734, 2312726; 750739, 2312751; 750739, 2312752; 750730, 2312793; 750712, 2312846; 750711, 2312846; 750711, 2312847; 750691, 2312851; 750690, 2312851; 750687, 2312849; 750672, 2312852; return to starting point.

(B) NOTE: Map 79 follows:

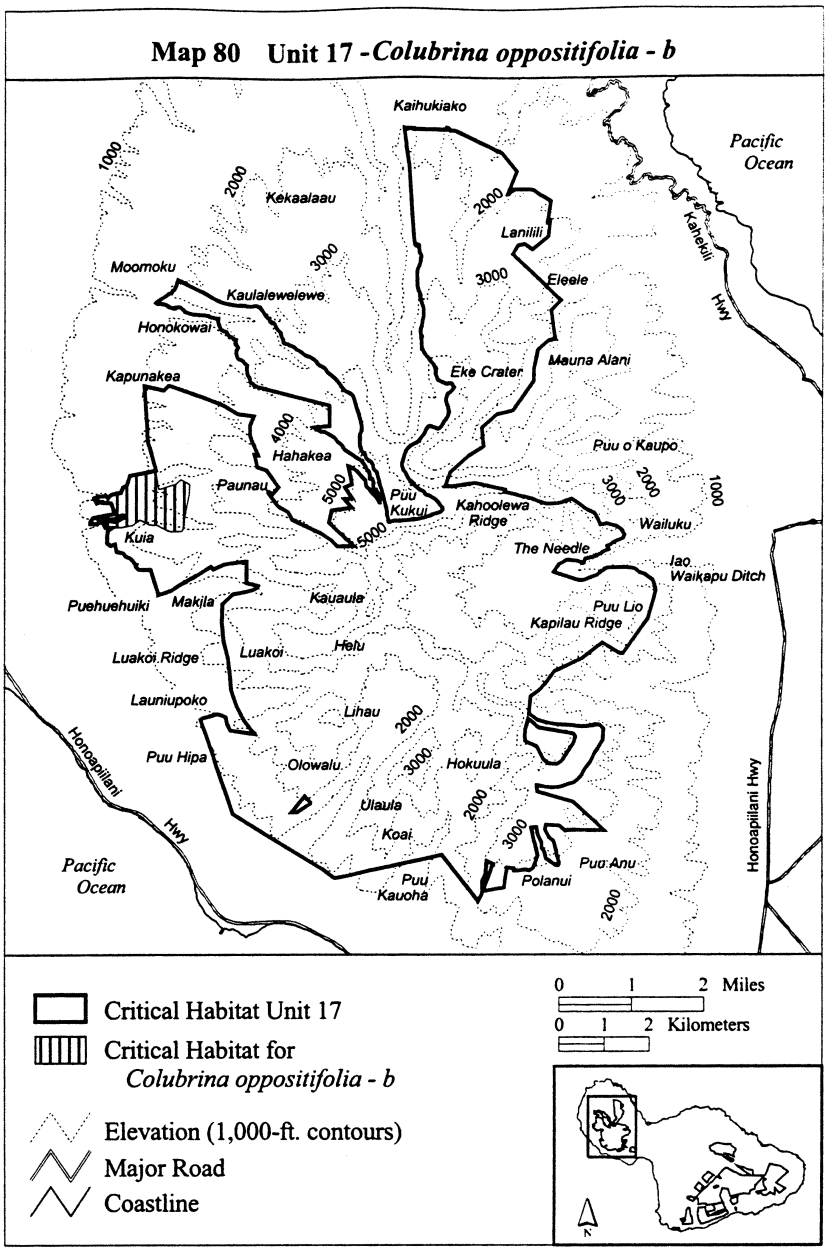


(lxxx) Maui 17—*Colubrina oppositifolia*–b (176 ha; 436 ac).

(A) Unit consists of the following 67 boundary points: Start at 744959, 2311780; 744794, 2311780; 744757, 2311853; 744803, 2311913; 744873, 2311930; 745003, 2311908; 745103, 2311941; 745246, 2312013; 745237, 2312047; 745184, 2312054; 745082,

2312024; 744998, 2311962; 744940, 2311972; 744855, 2311959; 744843, 2311979; 744786, 2311969; 744644, 2311877; 744574, 2311856; 744542, 2311859; 744531, 2311866; 744526, 2311860; 744468, 2311866; 744468, 2311918; 744513, 2311972; 744523, 2311989; 744820, 2312059; 744992, 2312075; 744984, 2312177; 744929, 2312317; 744741, 2312341; 744737, 2312339; 744736, 2312339; 744734, 2312365; 744653, 2312345; 744609, 2312328; 744558, 2312437; 744633, 2312480; 744679, 2312478; 744722, 2312477; 744785, 2312485; 744871, 2312454; 744945, 2312517; 745143, 2312557; 745196, 2312680; 745264, 2312714; 745351, 2312931; 745805, 2313017; 745826, 2313019; 745913, 2313025; 745975, 2312628; 746367, 2312736; 746475, 2312844; 746618, 2312761; 746666, 2312733; 746657, 2312639; 746654, 2312523; 746558, 2311971; 746539, 2311801; 746492, 2311692; 746250, 2311692; 746219, 2311706; 746197, 2311706; 745959, 2311825; 745773, 2311844; 745572, 2311939; 745404, 2311822; 745147, 2311780; return to starting point.

(B) NOTE: Map 80 follows:

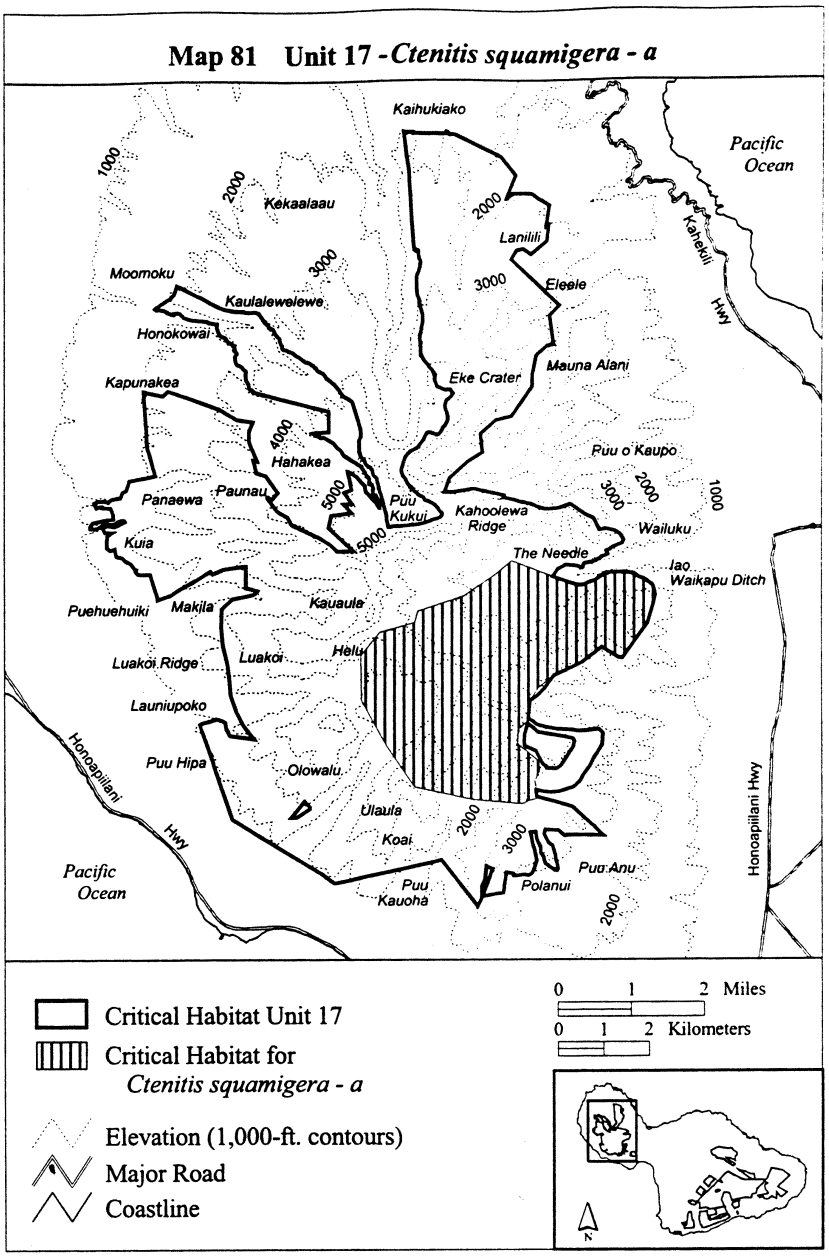


(lxxxi) Maui 17—*Ctenitis squamigera*—a (1,979 ha; 4,891 ac).

(A) Unit consists of the following 58 boundary points: Start at 754711, 2310770; 755224, 2310599; 755234, 2310596; 755269, 2310584; 755320, 2310567; 755364, 2310585; 755366, 2310585; 755661, 2310703; 755670, 2310709; 756015, 2310849; 756300,

2310859; 756582, 2310767; 756724, 2310720; 756903, 2310594; 756939, 2310479; 756941, 2310469; 756961, 2310369; 756961, 2310368; 756967, 2310338; 756918, 2310152; 756801, 2309745; 756244, 2308954; 756153, 2308971; 755784, 2309203; 755328, 2308843; 754727, 2308566; 754703, 2308555; 754391, 2308291; 754206, 2308013; 754199, 2308002; 754164, 2307624; 754157, 2307555; 753944, 2307384; 753924, 2307060; 754322, 2306732; 754390, 2306683; 754409, 2306473; 754314, 2306226; 754335, 2306032; 754344, 2305953; 754346, 2305896; 754350, 2305895; 754350, 2305894; 754356, 2305843; 754191, 2305795; 754037, 2305734; 752927, 2305830; 751646, 2306112; 751009, 2307051; 750478, 2308025; 750460, 2309016; 750885, 2309547; 751648, 2309754; 751721, 2310011; 752535, 2310277; 752735, 2310348; 753433, 2310829; 753806, 2311124; return to starting point.

(B) NOTE: Map 81 follows:

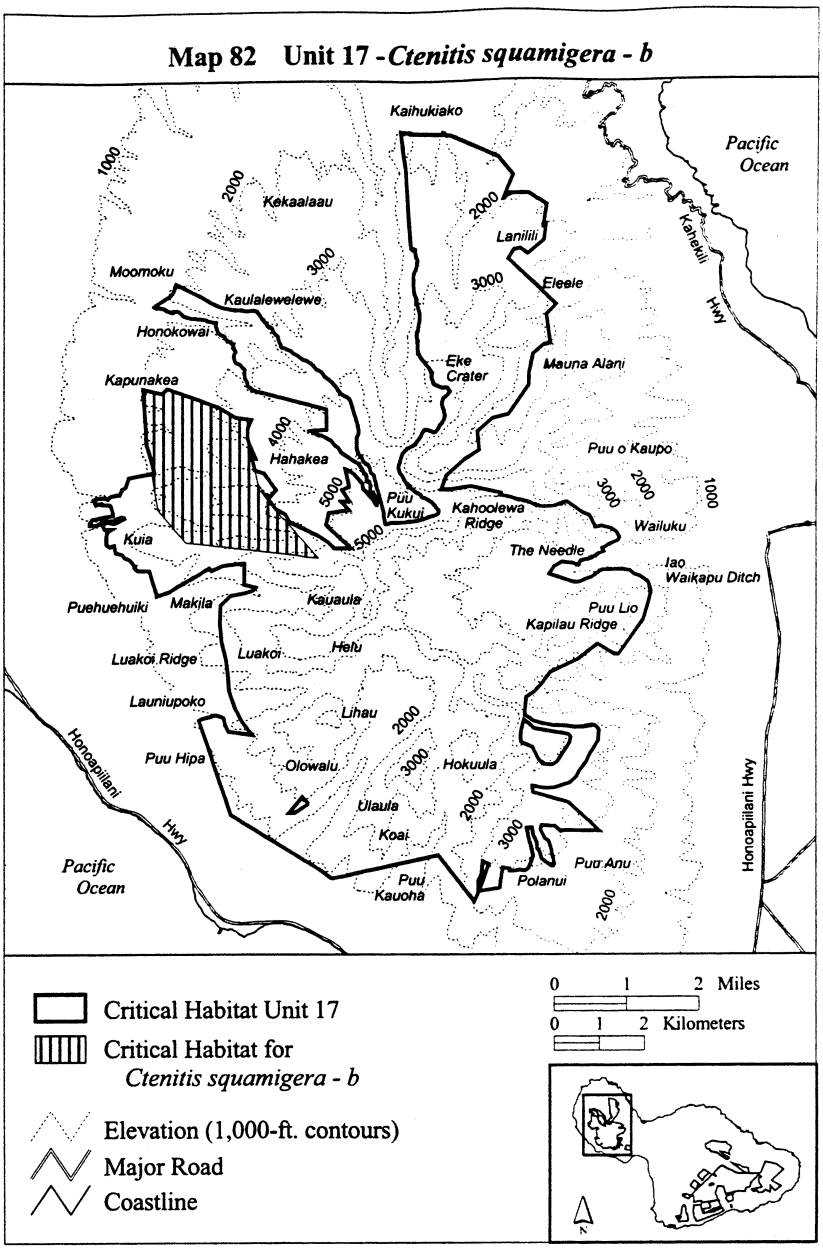


(lxxxii) Maui 17—*Ctenitis squamigera*—b (816 ha; 2,017 ac).

(A) Unit consists of the following 33 boundary points: Start at 745855, 2313035; 745916, 2313043; 745773, 2313571; 745745, 2313671; 745742, 2313671; 745733, 2313825; 745726, 2313936; 745666, 2314939; 746095, 2314835; 746096, 2314835; 746207,

2314953; 746887, 2314706; 747359, 2314534; 747735, 2314300; 747988, 2314266; 747997, 2314050; 748006, 2313828; 748025, 2313740; 748103, 2313389; 748166, 2313105; 748233, 2312800; 748392, 2312568; 748570, 2312307; 748631, 2312228; 748652, 2312200; 748748, 2312058; 748822, 2312005; 749297, 2311460; 749584, 2311129; 749324, 2311150; 749143, 2311192; 746617, 2311468; 745999, 2312213; return to starting point.

(B) NOTE: Map 82 follows:

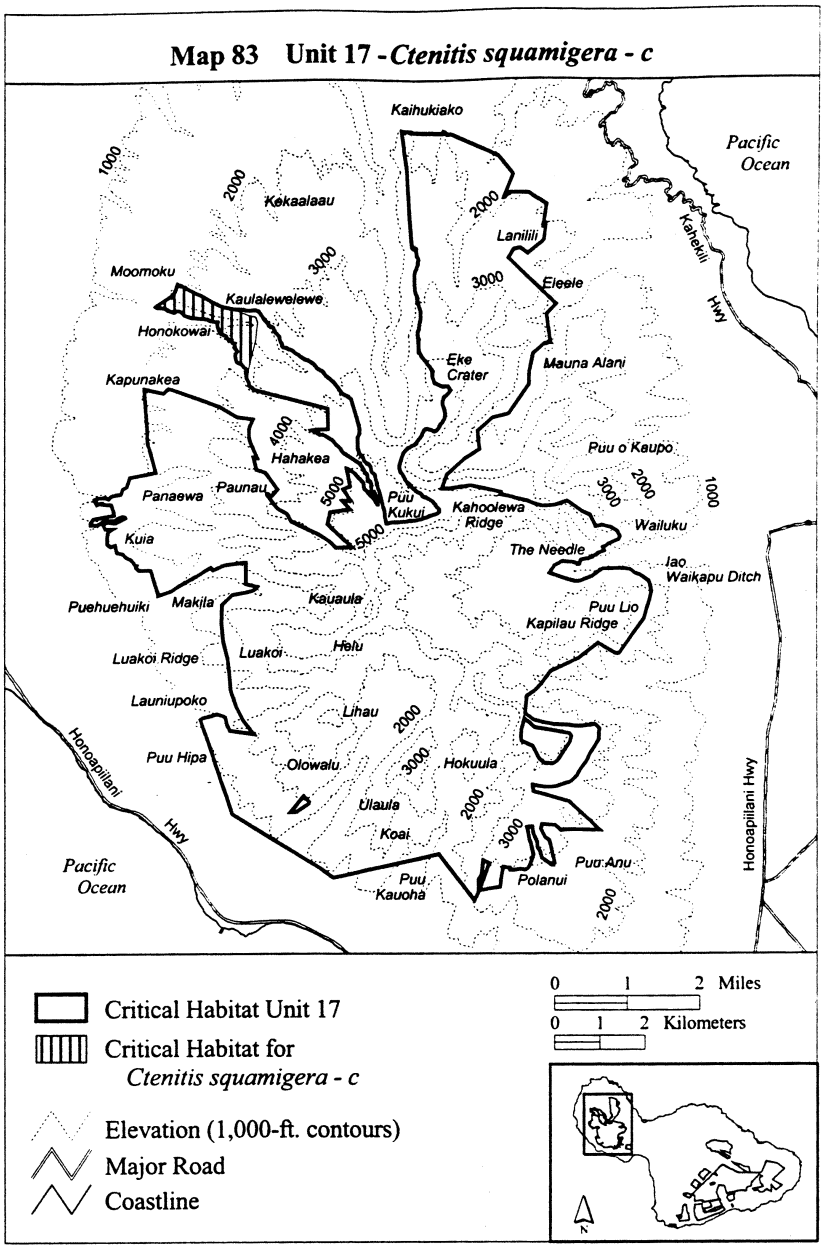


(lxxxiii) Maui 17—*Ctenitis squamigera*—c (137 ha; 338 ac).

(A) Unit consists of the following 133 boundary points: Start at 747966, 2315141; 747954, 2315161; 747942, 2315193; 747940, 2315201; 747933, 2315253; 747929, 2315289; 747930, 2315329; 747935, 2315356; 747931, 2315379; 747914, 2315403; 747887,

2315423; 747857, 2315454; 747831, 2315482; 747792, 2315504; 747750, 2315521; 747726, 2315545; 747722, 2315552; 747704, 2315583; 747698, 2315635; 747693, 2315665; 747695, 2315687; 747702, 2315718; 747713, 2315745; 747728, 2315775; 747729, 2315792; 747729, 2315793; 747717, 2315811; 747717, 2315812; 747702, 2315820; 747691, 2315827; 747681, 2315836; 747675, 2315860; 747677, 2315876; 747681, 2315899; 747681, 2315918; 747667, 2315950; 747648, 2315974; 747620, 2315996; 747585, 2316012; 747546, 2316034; 747526, 2316055; 747508, 2316086; 747494, 2316109; 747476, 2316129; 747447, 2316142; 747409, 2316159; 747389, 2316169; 747365, 2316186; 747345, 2316212; 747336, 2316228; 747328, 2316244; 747312, 2316282; 747299, 2316323; 747290, 2316361; 747289, 2316384; 747289, 2316392; 747296, 2316429; 747296, 2316430; 747296, 2316431; 747260, 2316441; 747214, 2316449; 747159, 2316459; 747125, 2316462; 747109, 2316472; 747100, 2316476; 747078, 2316500; 747077, 2316501; 747055, 2316503; 747024, 2316497; 746977, 2316510; 746946, 2316512; 746922, 2316518; 746881, 2316516; 746836, 2316520; 746786, 2316524; 746741, 2316526; 746698, 2316533; 746655, 2316550; 746617, 2316562; 746584, 2316571; 746551, 2316595; 746533, 2316622; 746505, 2316643; 746458, 2316680; 746457, 2316680; 746411, 2316689; 746410, 2316689; 746348, 2316682; 746338, 2316683; 746337, 2316682; 746335, 2316658; 746329, 2316659; 746194, 2316687; 746199, 2316707; 746200, 2316707; 746199, 2316708; 746198, 2316709; 746186, 2316712; 746160, 2316720; 746128, 2316738; 746127, 2316738; 746095, 2316749; 746058, 2316757; 746020, 2316765; 745994, 2316766; 745962, 2316761; 745913, 2316779; 745961, 2316812; 746173, 2316962; 746267, 2317022; 746270, 2317031; 746278, 2317037; 746327, 2317071; 746357, 2317155; 746377, 2317211; 746405, 2317289; 746423, 2317280; 747344, 2316808; 747450, 2316773; 747517, 2316751; 747602, 2316733; 747628, 2316729; 747715, 2316716; 747716, 2316715; 747719, 2316715; 747767, 2316674; 747991, 2316589; 748152, 2316547; 748190, 2316422; 748188, 2316396; 748181, 2316327; 748153, 2316030; 747996, 2315412; return to starting point.

(B) NOTE: Map 83 follows:

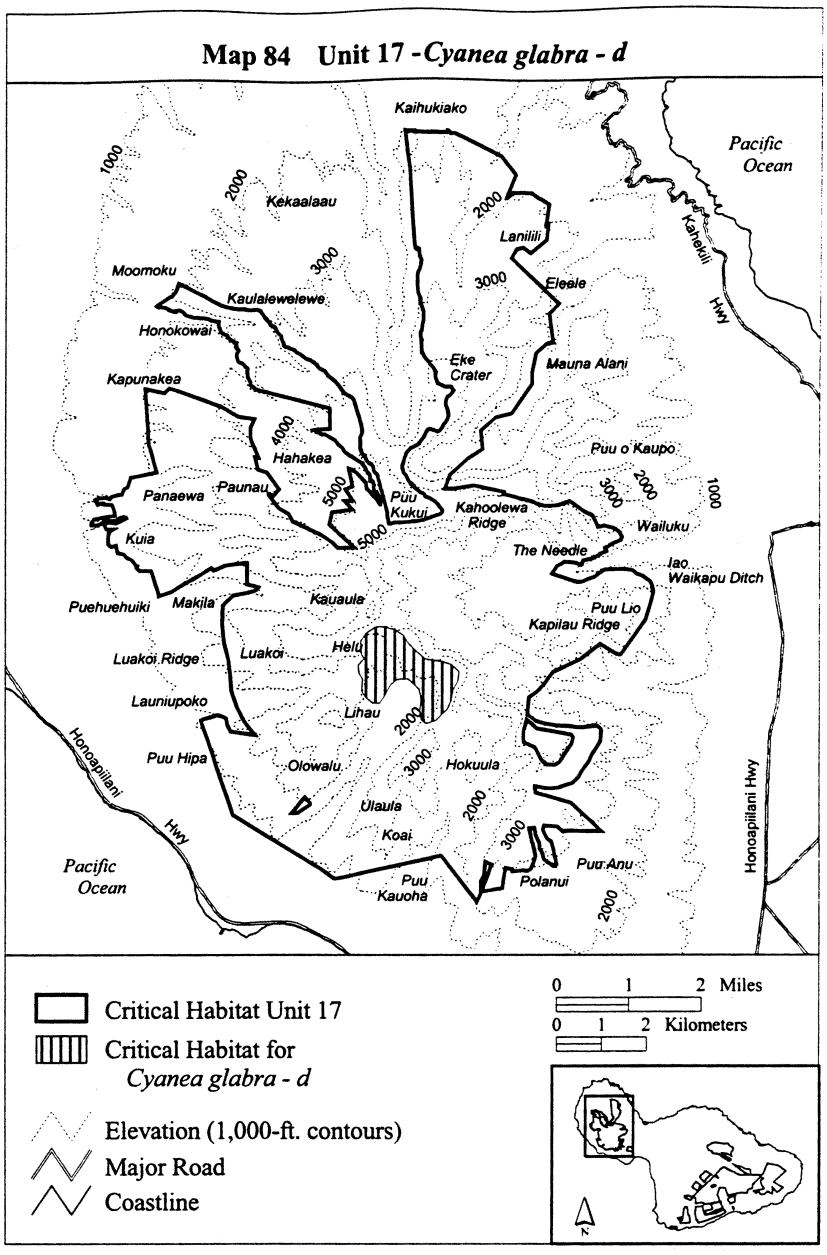


(lxxxiv) Maui 17—*Cyanea glabra*—d (255 ha; 630 ac).

(A) Unit consists of the following 36 boundary points: Start at 750480, 2308143; 750494, 2308421; 750414, 2308545; 750406, 2308713; 750523, 2308867; 750465, 2308969; 750450, 2309254; 750575, 2309437; 750794, 2309576; 750969, 2309576; 751203,

2309517; 751401, 2309386; 751474, 2309254; 751664, 2309057; 751905, 2308859; 752286, 2308801; 752468, 2308742; 752636, 2308589; 752607, 2308362; 752505, 2308165; 752461, 2307938; 752381, 2307755; 752125, 2307492; 751913, 2307434; 751803, 2307507; 751766, 2307712; 751781, 2307880; 751781, 2308019; 751744, 2308194; 751511, 2308421; 751262, 2308406; 751130, 2308296; 750969, 2308019; 750882, 2307872; 750736, 2307872; 750545, 2308026; return to starting point.

(B) NOTE: Map 84 follows:

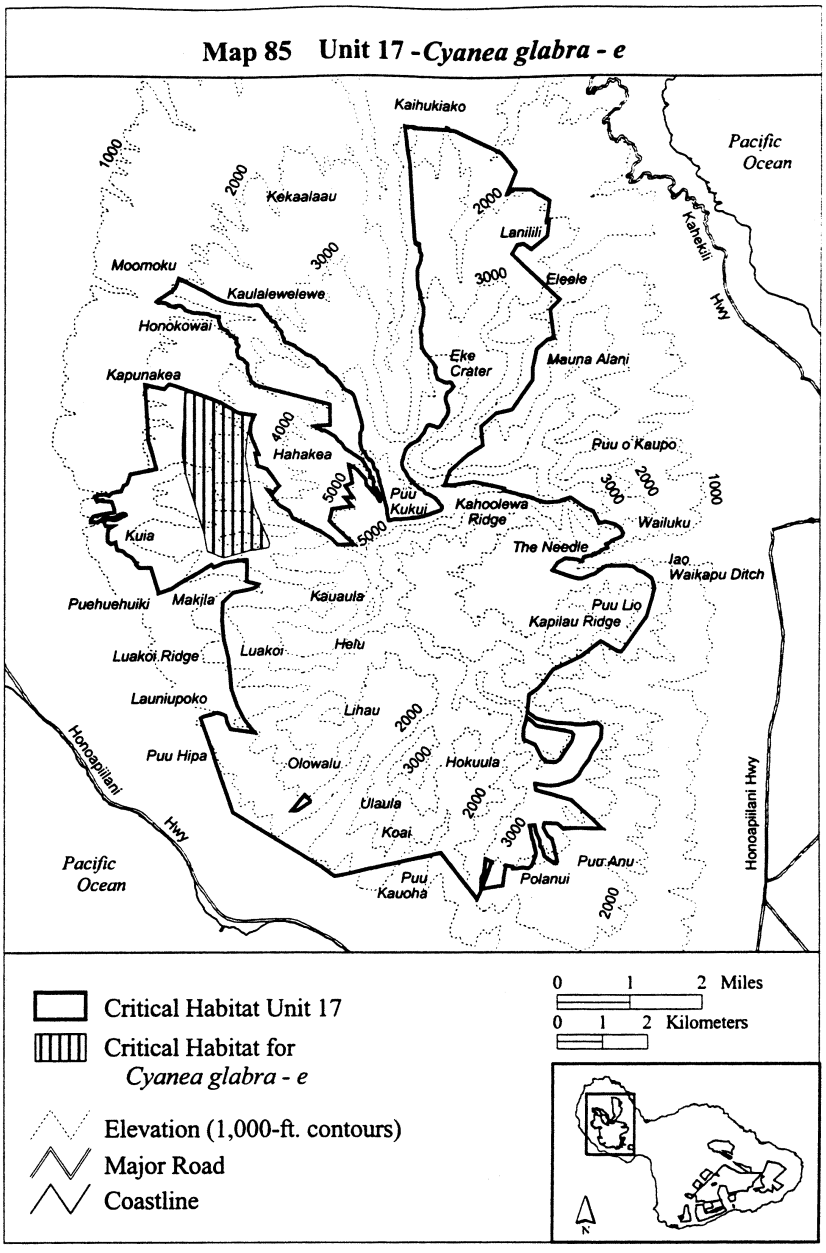


(lxxxv) Maui 17—*Cyanea glabra*—e (470 ha; 1,163 ac).

(A) Unit consists of the following 28 boundary points: Start at 746593, 2314813; 746887, 2314706; 747359, 2314534; 747735, 2314300; 748095, 2314252; 748080, 2314231; 747997, 2314050; 747967, 2313985; 747921, 2313749; 747890, 2313343; 748044,

2312415; 748090, 2312169; 748396, 2311456; 748418, 2311379; 748403, 2311287; 748254, 2311251; 747983, 2311220; 747495, 2311082; 747412, 2311052; 747044, 2311200; 746967, 2311589; 746567, 2312918; 746485, 2313343; 746485, 2313738; 746526, 2314164; 746521, 2314359; 746546, 2314733; 746555, 2314791; return to starting point.

(B) NOTE: Map 85 follows:

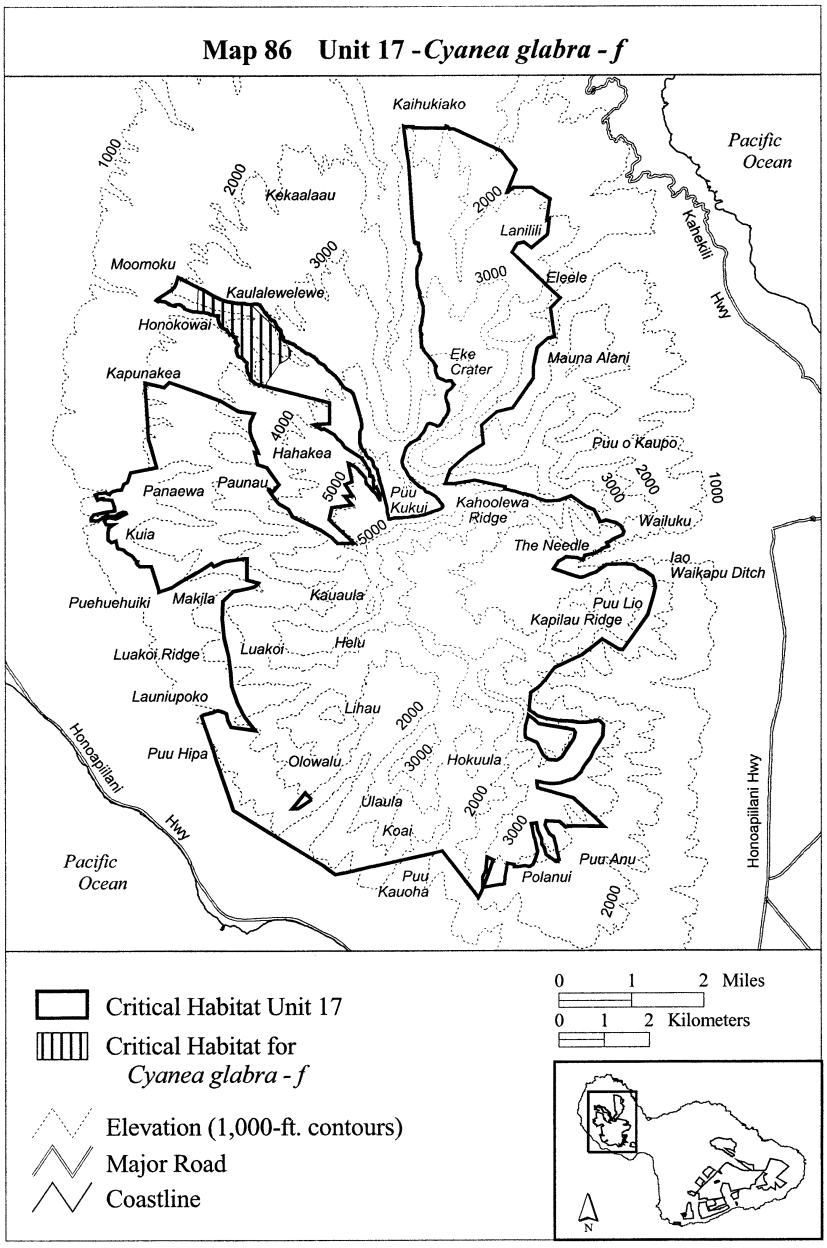


(lxxxvi) Maui 17—*Cyanea glabra*—f (188 ha; 465 ac).

(A) Unit consists of the following 122 boundary points: Start at 748090, 2314947; 748089, 2314948; 748069, 2314973; 748068, 2314973; 748029, 2314987; 748007, 2315005; 748001, 2315029; 748005, 2315065; 748005, 2315083; 747994, 2315106; 747975,

2315127; 747954, 2315161; 747942, 2315193; 747940, 2315201; 747933, 2315253; 747929, 2315289; 747930, 2315329; 747935, 2315356; 747931, 2315379; 747914, 2315403; 747887, 2315423; 747857, 2315454; 747831, 2315482; 747792, 2315504; 747750, 2315521; 747726, 2315545; 747722, 2315552; 747704, 2315583; 747698, 2315635; 747693, 2315665; 747695, 2315687; 747702, 2315718; 747713, 2315745; 747728, 2315775; 747729, 2315792; 747729, 2315793; 747717, 2315811; 747717, 2315812; 747697, 2315822; 747681, 2315836; 747675, 2315860; 747677, 2315876; 747681, 2315899; 747681, 2315918; 747667, 2315950; 747648, 2315974; 747620, 2315996; 747585, 2316012; 747546, 2316034; 747526, 2316055; 747508, 2316086; 747494, 2316109; 747476, 2316129; 747447, 2316142; 747409, 2316159; 747389, 2316169; 747365, 2316186; 747345, 2316212; 747336, 2316228; 747328, 2316244; 747312, 2316282; 747299, 2316323; 747290, 2316361; 747289, 2316384; 747289, 2316392; 747296, 2316429; 747296, 2316430; 747296, 2316431; 747260, 2316441; 747214, 2316449; 747159, 2316459; 747125, 2316462; 747109, 2316472; 747100, 2316476; 747078, 2316500; 747077, 2316501; 747055, 2316503; 747024, 2316497; 746977, 2316510; 746946, 2316512; 746922, 2316518; 746881, 2316516; 746836, 2316520; 746828, 2316521; 746834, 2316631; 746839, 2316939; 746859, 2317060; 746968, 2317006; 747190, 2316887; 747229, 2316866; 747344, 2316808; 747418, 2316781; 747450, 2316773; 747628, 2316729; 747716, 2316715; 747717, 2316715; 747733, 2316713; 747829, 2316717; 747887, 2316715; 747903, 2316702; 747932, 2316692; 747932, 2316691; 747967, 2316688; 748003, 2316690; 748029, 2316693; 748649, 2316082; 748735, 2315935; 748738, 2315922; 748743, 2315901; 748750, 2315885; 748758, 2315876; 748759, 2315875; 748770, 2315868; 748775, 2315867; 748793, 2315836; 748906, 2315667; 748901, 2315549; 748798, 2315451; 748660, 2315374; 748372, 2314933; 748352, 2314863; 748326, 2314870; return to starting point.

(B) NOTE: Map 86 follows:

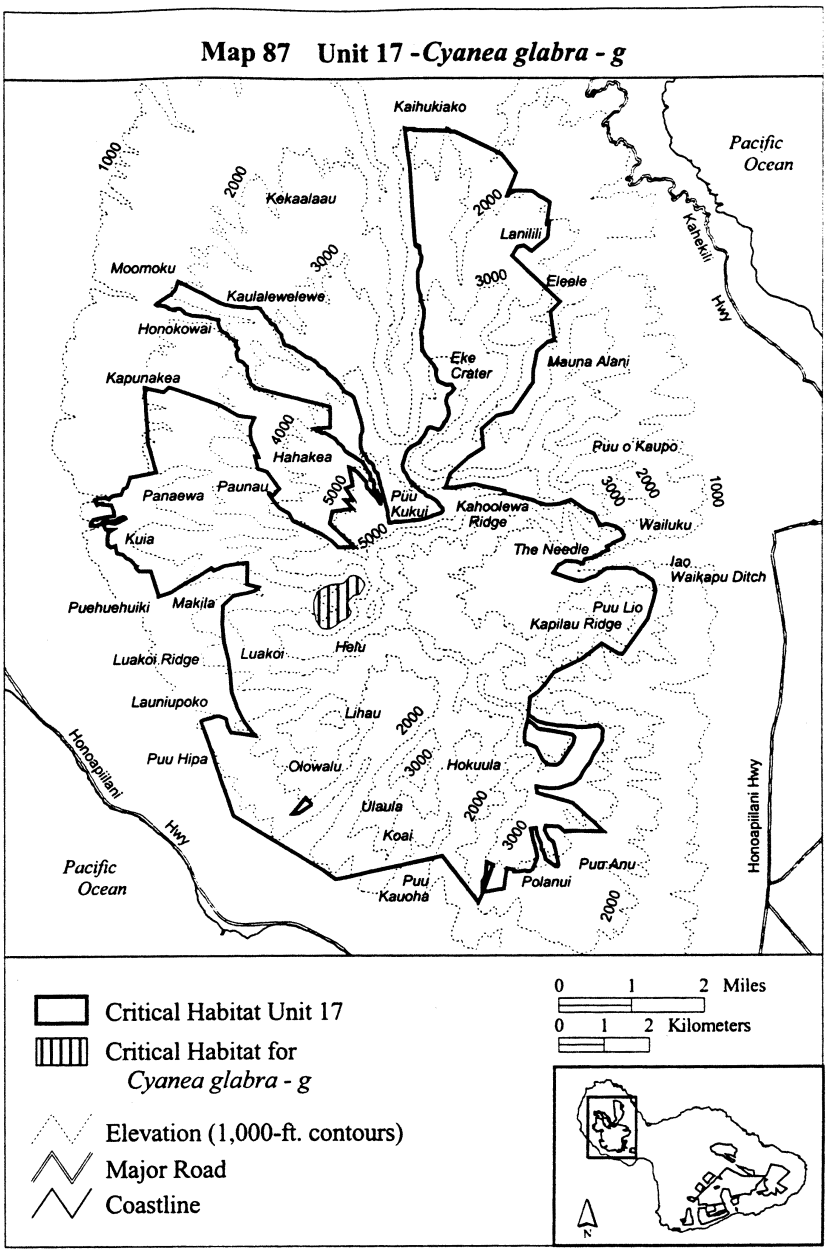


(lxxxvii) Maui 17—*Cyanea glabra*—g (79 ha; 195 ac).

(A) Unit consists of the following 33 boundary points: Start at 749398, 2310143; 749470, 2310348; 749639, 2310451; 749793, 2310523; 750055, 2310548; 750137, 2310615; 750188, 2310687; 750190, 2310697; 750274, 2310725; 750348, 2310711; 750440,

2310656; 750505, 2310582; 750523, 2310503; 750496, 2310420; 750440, 2310332; 750385, 2310295; 750292, 2310277; 750204, 2310203; 750149, 2310105; 750167, 2310022; 750223, 2309925; 750209, 2309842; 750144, 2309773; 750006, 2309708; 749881, 2309611; 749770, 2309532; 749691, 2309527; 749585, 2309541; 749502, 2309629; 749437, 2309759; 749444, 2309766; 749408, 2309876; 749398, 2309979; return to starting point.

(B) NOTE: Map 87 follows:

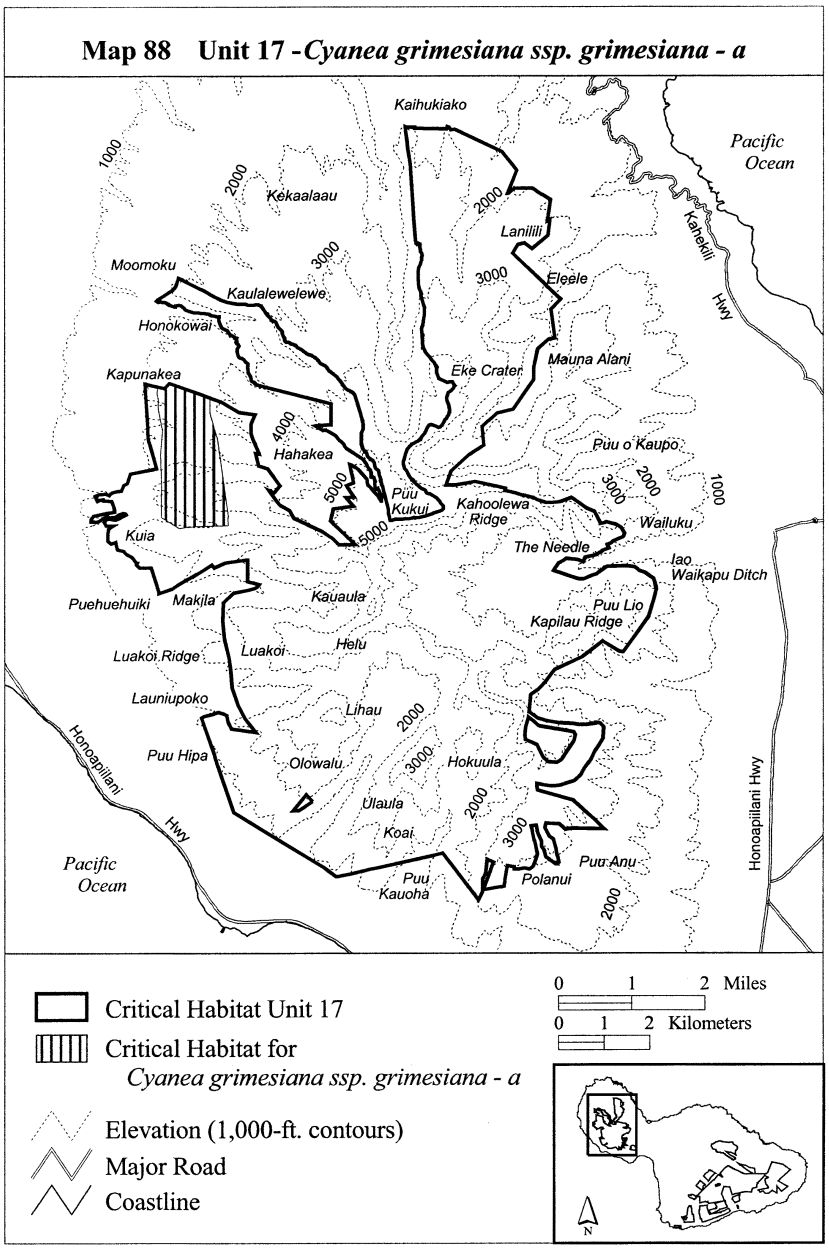


(lxxxviii) Maui 17—*Cyanea grimesiana* ssp. *grimesiana*—a (920 ha; 2,273 ac).

(A) Unit consists of the following 26 boundary points: Start at 755402, 2311063; 755355, 2310968; 755230, 2311019; 755226, 2311019; 754833, 2311178; 753854, 2311761; 753088, 2311437; 753109, 2310920; 752629, 2309941; 753391, 2309839; 754118,

2310001; 755127, 2310494; 755241, 2309743; 754863, 2309251; 753812, 2308620; 751175, 2309545; 751031, 2309863; 750935, 2311100; 751464, 2311599; 751968, 2311905; 753055, 2312211; 753463, 2312289; 754058, 2312313; 754688, 2312061; 755127, 2311731; 755547, 2311353; return to starting point.

(B) NOTE: Map 88 follows:

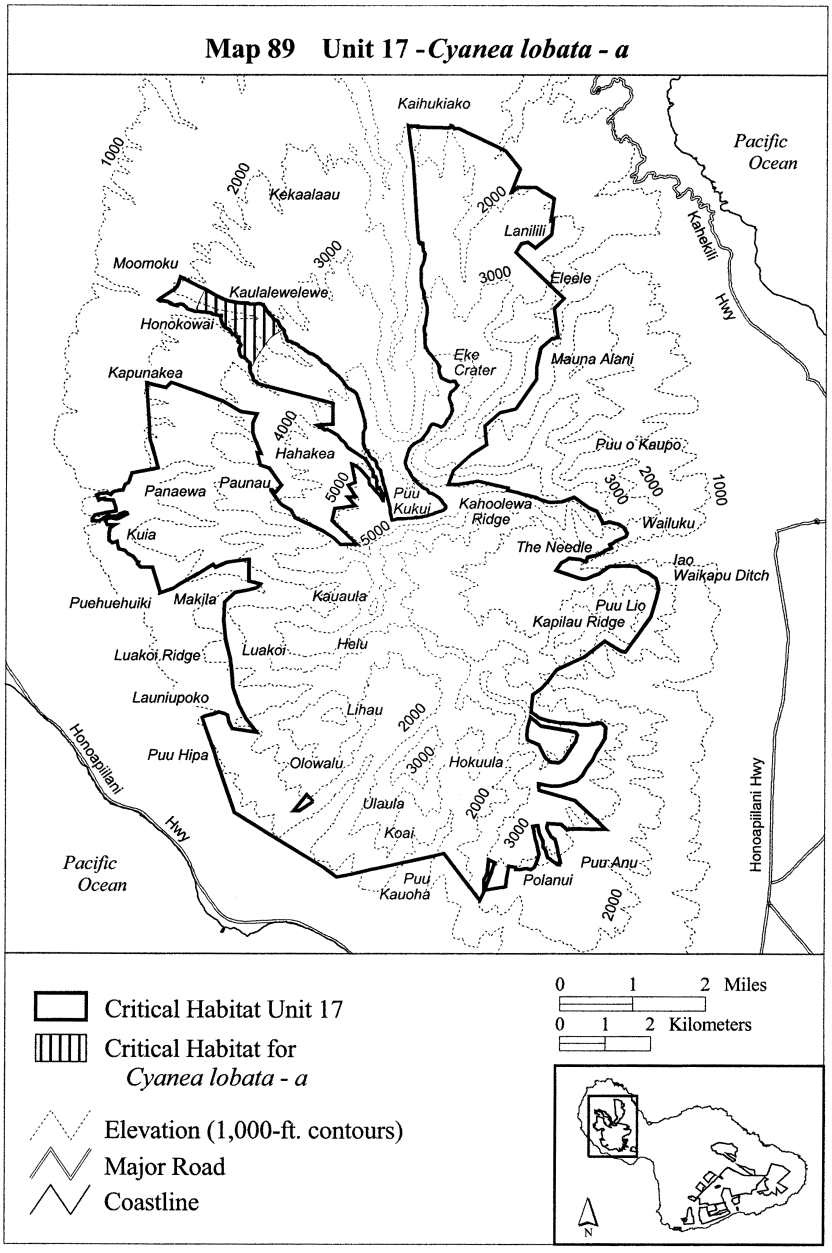


(lxxxix) Maui 17—*Cyanea lobata*—a (131 ha; 324 ac).

(A) Unit consists of the following 133 boundary points: Start at 747973, 2315130; 747957, 2315156; 747952, 2315167; 747942, 2315193; 747940, 2315201; 747933, 2315253; 747929, 2315289; 747930, 2315329; 747935, 2315356; 747931, 2315379; 747914,

2315403; 747887, 2315423; 747857, 2315454; 747831, 2315482; 747792, 2315504; 747750, 2315521; 747726, 2315545; 747722, 2315552; 747704, 2315583; 747698, 2315635; 747693, 2315665; 747695, 2315687; 747702, 2315718; 747713, 2315745; 747728, 2315775; 747729, 2315792; 747729, 2315793; 747717, 2315811; 747717, 2315812; 747697, 2315822; 747681, 2315836; 747675, 2315860; 747677, 2315876; 747681, 2315899; 747681, 2315918; 747667, 2315950; 747648, 2315974; 747620, 2315996; 747585, 2316012; 747546, 2316034; 747526, 2316055; 747508, 2316086; 747494, 2316109; 747476, 2316129; 747447, 2316142; 747409, 2316159; 747389, 2316169; 747365, 2316186; 747345, 2316212; 747336, 2316228; 747328, 2316244; 747312, 2316282; 747299, 2316323; 747290, 2316361; 747289, 2316384; 747289, 2316392; 747296, 2316429; 747296, 2316430; 747296, 2316431; 747260, 2316441; 747214, 2316449; 747159, 2316459; 747125, 2316462; 747109, 2316472; 747103, 2316475; 747094, 2316483; 747078, 2316500; 747077, 2316501; 747055, 2316503; 747024, 2316497; 746977, 2316510; 746946, 2316512; 746922, 2316518; 746881, 2316516; 746850, 2316519; 746759, 2316594; 746828, 2316776; 746943, 2317018; 747229, 2316866; 747344, 2316808; 747418, 2316781; 747517, 2316751; 747602, 2316733; 747628, 2316729; 747716, 2316715; 747717, 2316715; 747733, 2316713; 747887, 2316715; 747903, 2316702; 747932, 2316692; 747932, 2316691; 747967, 2316688; 748003, 2316690; 748041, 2316695; 748056, 2316696; 748113, 2316703; 748141, 2316706; 748159, 2316704; 748168, 2316702; 748201, 2316684; 748211, 2316678; 748218, 2316670; 748236, 2316643; 748254, 2316624; 748267, 2316607; 748276, 2316584; 748310, 2316551; 748349, 2316494; 748389, 2316441; 748415, 2316408; 748446, 2316368; 748446, 2316367; 748505, 2316331; 748531, 2316319; 748548, 2316311; 748549, 2316310; 748562, 2316282; 748574, 2316250; 748575, 2316245; 748585, 2316225; 748587, 2316220; 748589, 2316217; 748596, 2316201; 748610, 2316189; 748613, 2316186; 748649, 2316141; 748655, 2316134; 748446, 2315991; 748398, 2315949; 748126, 2315586; 748029, 2315400; 748003, 2315327; 747976, 2315313; return to starting point.

(B) NOTE: Map 89 follows:

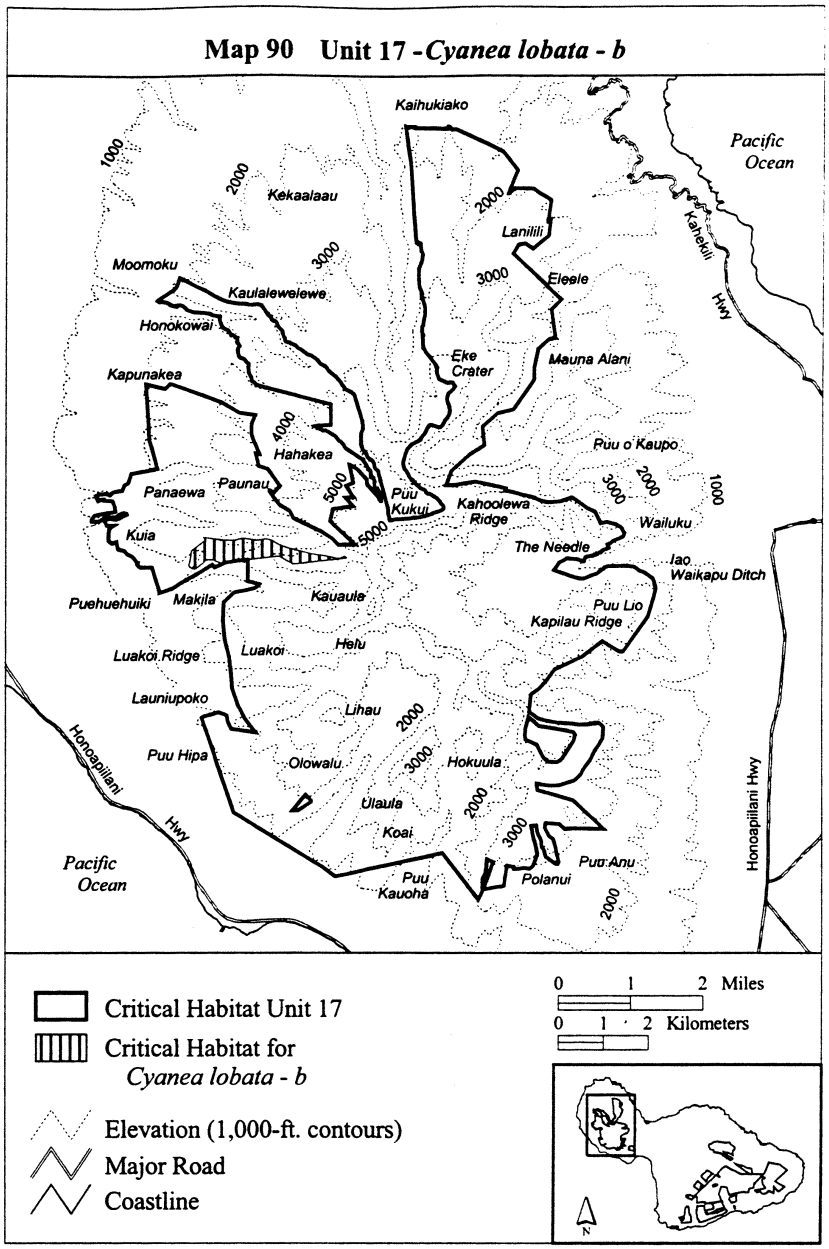


(xc) Maui 17—*Cyanea lobata*—b (114 ha; 282 ac).

(A) Unit consists of the following 35 boundary points: Start at 747903, 2311009; 747443, 2310953; 747432, 2310952; 747407, 2310938; 747319, 2310932; 747154, 2311018; 747024, 2311018; 746814, 2310852; 746755, 2310801; 746678, 2310811; 746652,

2310844; 746630, 2310853; 746617, 2310888; 746652, 2311053; 746661, 2311200; 746971, 2311433; 746952, 2311505; 747422, 2311441; 747662, 2311441; 747812, 2311501; 748142, 2311441; 748322, 2311471; 748472, 2311441; 748564, 2311384; 748784, 2311284; 748999, 2311226; 749324, 2311150; 749769, 2311083; 749908, 2311040; 749987, 2311042; 750063, 2311077; 750068, 2311092; 750118, 2311050; 748942, 2310916; 748618, 2311096; return to starting point.

(B) NOTE: Map 90 follows:

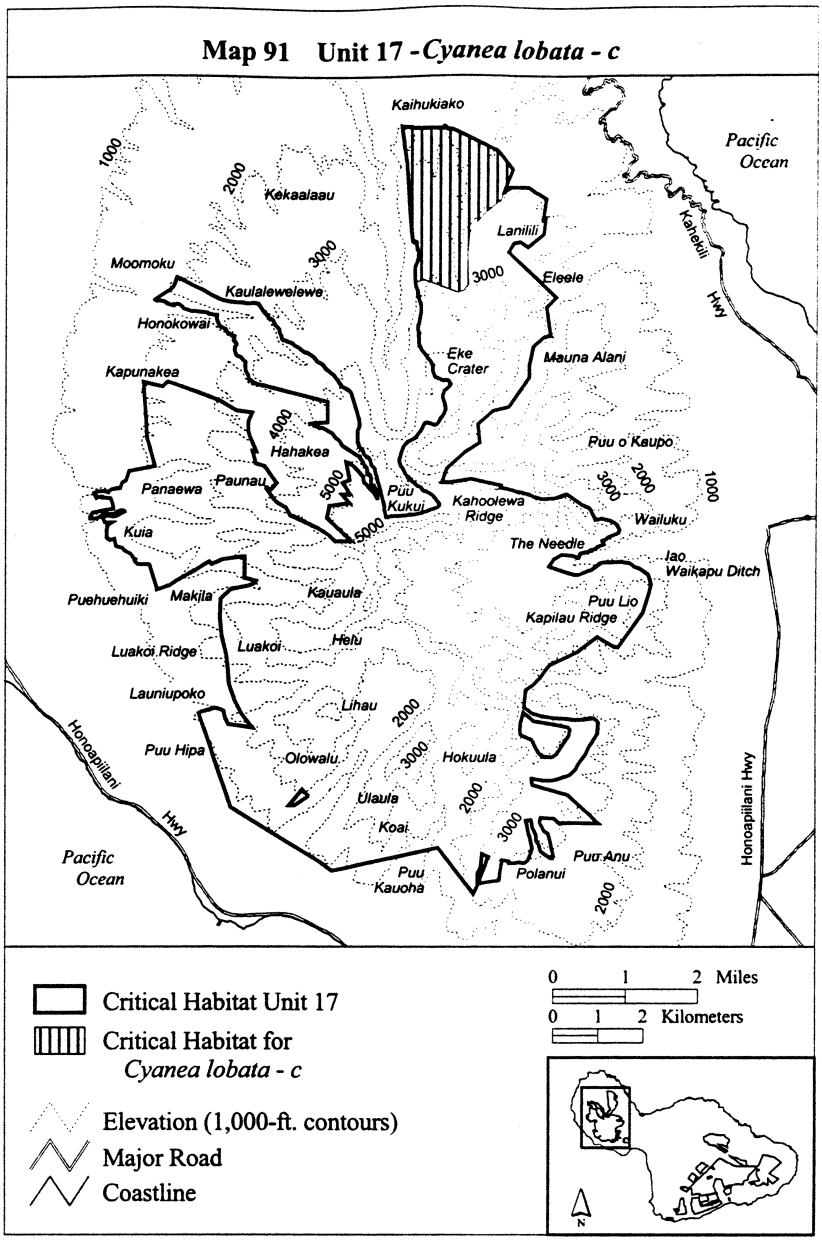


(xci) Maui 17—*Cyanea lobata*—c (578 ha; 1,427 ac).

(A) Unit consists of the following 62 boundary points: Start at 751691, 2317255; 751693, 2317261; 751698, 2317290; 751694, 2317322; 751695, 2317366; 751697, 2317415; 751702, 2317462; 751715, 2317522; 751728, 2317571; 751747, 2317619; 751767,

2317682; 751769, 2317710; 751778, 2317751; 751782, 2317790; 751782, 2317791; 751769, 2317829; 751750, 2317859; 751741, 2317901; 751738, 2317949; 751738, 2317997; 751730, 2318034; 751729, 2318035; 751714, 2318045; 751713, 2318046; 751712, 2318046; 751690, 2318034; 751665, 2318030; 751651, 2318051; 751640, 2318085; 751632, 2318124; 751599, 2318608; 751517, 2319810; 751458, 2320230; 751458, 2320252; 751458, 2320253; 751454, 2320260; 751411, 2320566; 751406, 2320602; 751619, 2320598; 752334, 2320586; 752403, 2320585; 752415, 2320564; 752418, 2320564; 752509, 2320573; 752522, 2320567; 753547, 2320078; 753862, 2319691; 753884, 2319664; 753681, 2319159; 753622, 2319012; 753234, 2318678; 753089, 2318512; 752913, 2318248; 752876, 2317830; 752886, 2317088; 752845, 2317055; 752810, 2316993; 752718, 2316956; 752684, 2316929; 752465, 2317006; 751895, 2317211; 751704, 2317136; return to starting point.

(B) NOTE: Map 91 follows:

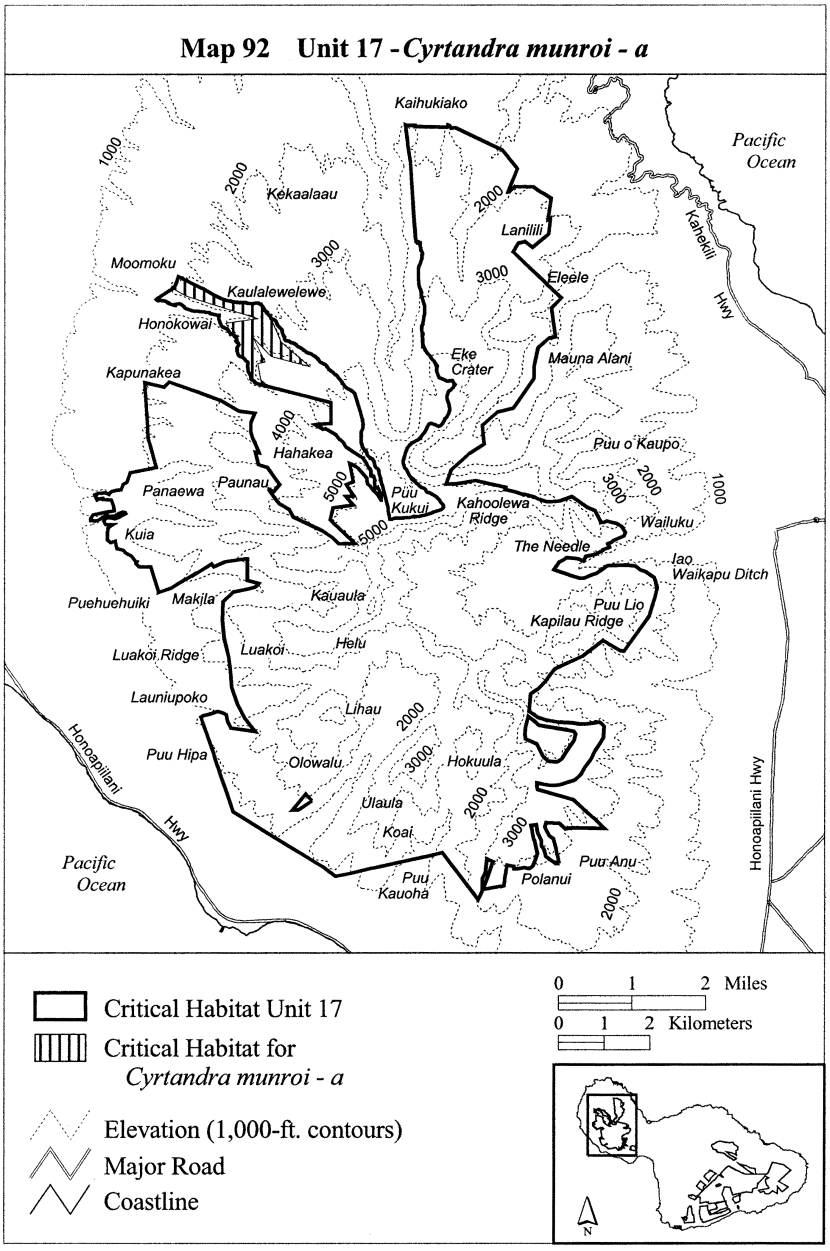


(xcii) Maui 17—*Cyrtandra munroi*—a (156 ha; 386 ac).

(A) Unit consists of the following 95 boundary points: Start at 748364, 2314860; 748184, 2314906; 748126, 2314931; 748112, 2314937; 748019, 2315110; 747987, 2315114; 747975, 2315127; 747954, 2315161; 747942, 2315193; 747940, 2315201; 747933,

2315253; 747929, 2315289; 747930, 2315329; 747935, 2315356; 747931, 2315379; 747914, 2315403; 747887, 2315423; 747857, 2315454; 747831, 2315482; 747792, 2315504; 747750, 2315521; 747726, 2315545; 747722, 2315552; 747704, 2315583; 747698, 2315635; 747693, 2315665; 747695, 2315687; 747702, 2315718; 747713, 2315745; 747728, 2315775; 747728, 2315776; 747736, 2315775; 747729, 2315788; 747729, 2315792; 747729, 2315793; 747717, 2315811; 747717, 2315812; 747711, 2315815; 747676, 2315871; 747677, 2315876; 747681, 2315899; 747681, 2315918; 747667, 2315950; 747648, 2315974; 747620, 2315996; 747594, 2316008; 747441, 2316258; 748156, 2316363; 746590, 2316862; 746278, 2317037; 746327, 2317071; 746397, 2317266; 746423, 2317280; 746706, 2317135; 747190, 2316887; 747344, 2316808; 747418, 2316781; 747517, 2316751; 747602, 2316733; 747628, 2316729; 747716, 2316715; 747717, 2316715; 747733, 2316713; 747829, 2316717; 747887, 2316715; 747903, 2316702; 747932, 2316692; 747932, 2316691; 747967, 2316688; 748003, 2316690; 748041, 2316695; 748056, 2316696; 748113, 2316703; 748141, 2316706; 748159, 2316704; 748168, 2316702; 748201, 2316684; 748211, 2316678; 748218, 2316670; 748236, 2316643; 748254, 2316624; 748267, 2316607; 748276, 2316584; 748310, 2316551; 748349, 2316494; 748389, 2316441; 748415, 2316408; 748434, 2316383; 748660, 2315859; 749291, 2315291; 748450, 2315523; 748051, 2315943; 748324, 2315397; 748156, 2315355; 748219, 2314997; return to starting point.

(B) NOTE: Map 92 follows:

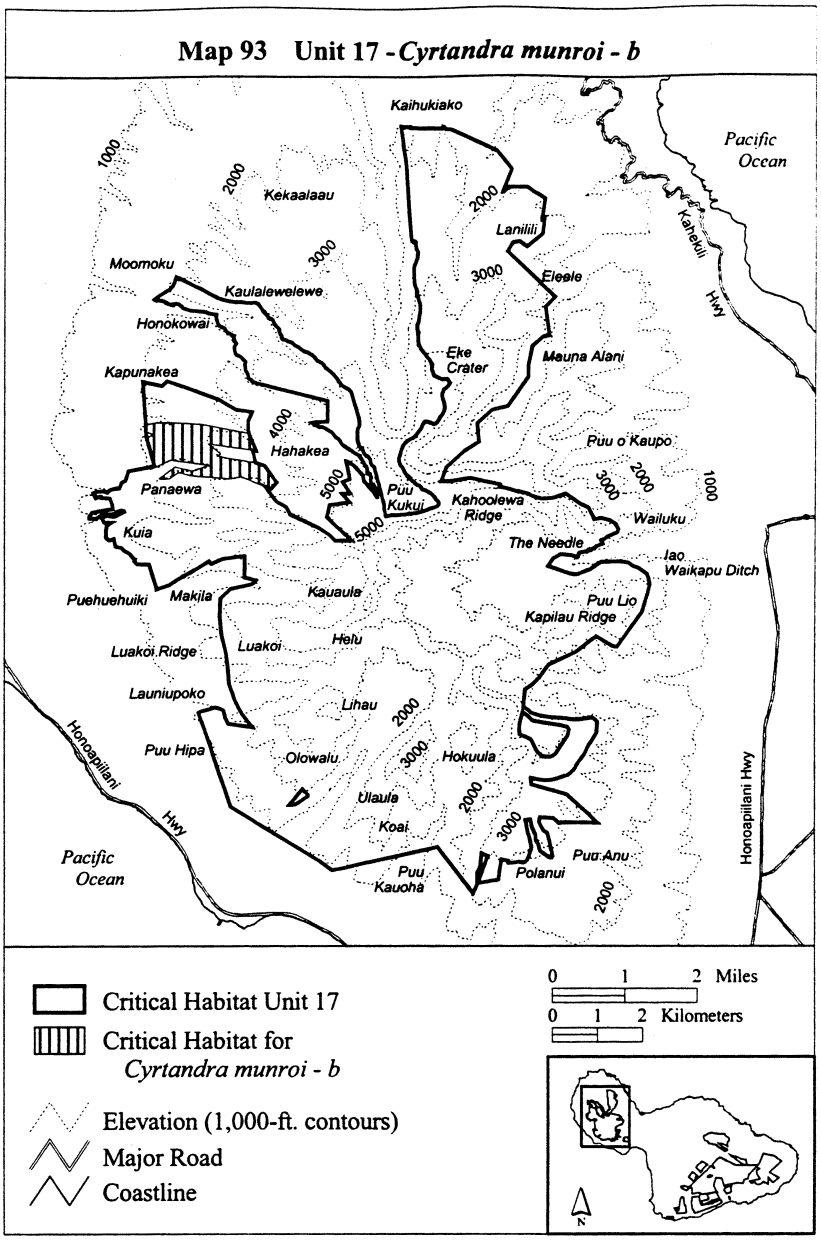


(xciii) Maui 17—*Cyrtandra munroi*—b (238 ha; 589 ac).

(A) Unit consists of the following 40 boundary points: Start at 745826, 2313019; 745846, 2313034; 745916, 2313043; 745773, 2313571; 745748, 2313661; 745886, 2313757; 745733, 2313825; 745730, 2313826; 745724, 2313911; 745726, 2313936; 745729,

2313970; 745961, 2314006; 746362, 2314006; 746980, 2313974; 748012, 2313772; 748025, 2313740; 748177, 2313379; 748103, 2313389; 747126, 2313526; 747399, 2313295; 747315, 2313253; 748093, 2313127; 748166, 2313105; 748366, 2313043; 748639, 2312664; 748513, 2312517; 748392, 2312568; 747862, 2312790; 747601, 2312741; 746746, 2312824; 746468, 2312889; 746275, 2312760; 746103, 2312739; 746034, 2312754; 746391, 2313022; 746769, 2312917; 747126, 2313043; 746286, 2313169; 745836, 2312964; 745821, 2313015; return to starting point.

(B) NOTE: Map 93 follows:

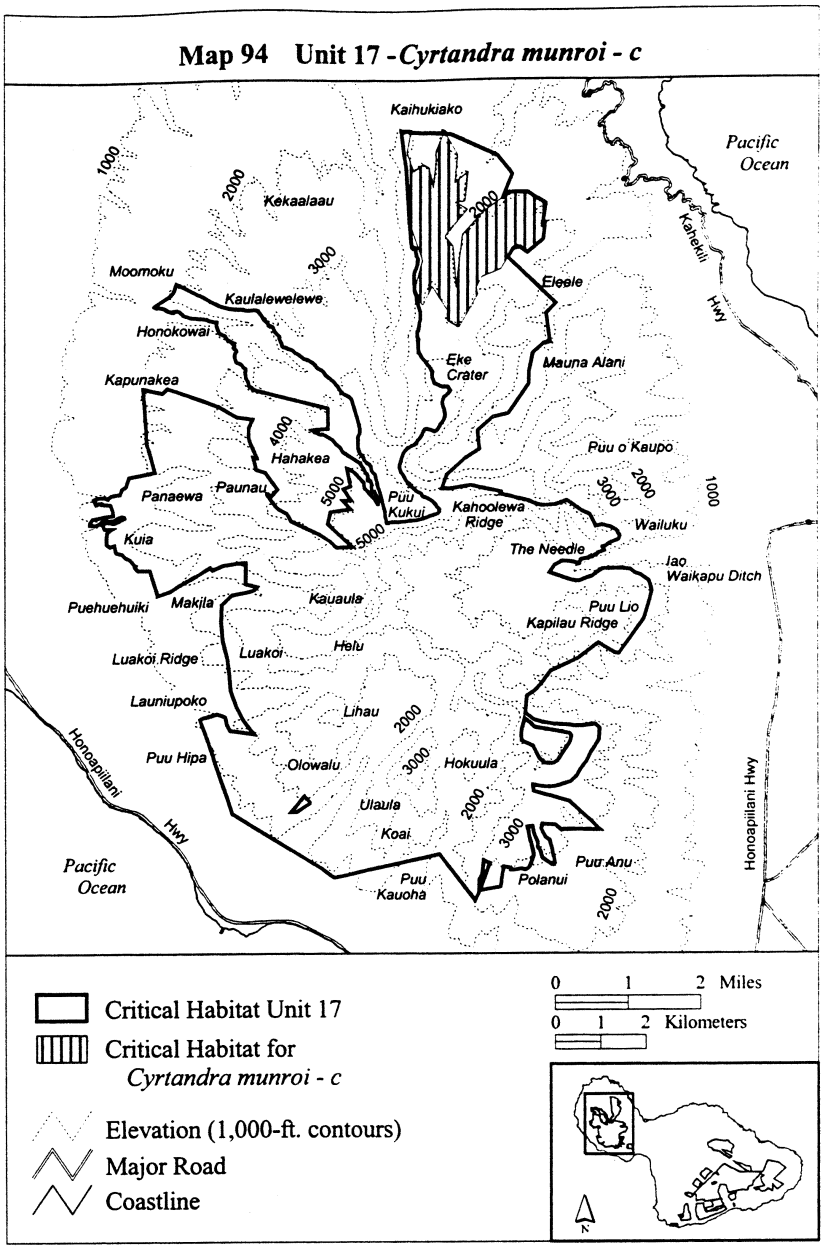


(xciv) Maui 17—*Cyrtandra munroi*—c (603 ha; 1,490 ac).

(A) Unit consists of the following 62 boundary points: Start at 751599, 2318608; 751517, 2319810; 751458, 2320238; 751458, 2320252; 751458, 2320253; 751454, 2320260; 751411, 2320566; 751402, 2320630; 751430, 2320630; 751624, 2320630; 751619,

2320598; 751540, 2320146; 751687, 2319726; 751897, 2319894; 752023, 2319831; 752128, 2319390; 752191, 2319978; 752191, 2320188; 752380, 2320629; 752380, 2320630; 752418, 2320564; 752675, 2320125; 752612, 2319495; 752906, 2319726; 752843, 2319096; 752654, 2319053; 752885, 2318906; 752401, 2318318; 752570, 2318087; 752633, 2317183; 752780, 2318339; 753263, 2318864; 753681, 2319159; 753684, 2319161; 753684, 2319160; 753831, 2319264; 754230, 2319264; 754381, 2319169; 754437, 2319134; 754441, 2319131; 754485, 2319104; 754628, 2319014; 754566, 2318549; 754622, 2318566; 754580, 2318228; 754222, 2317936; 754060, 2318058; 753962, 2318131; 753902, 2318028; 753788, 2317835; 753638, 2317579; 753215, 2317416; 753086, 2317157; 753119, 2317020; 752717, 2316300; 752443, 2316447; 752443, 2316679; 752107, 2317204; 751897, 2316784; 751861, 2316826; 751721, 2317157; 751884, 2317774; return to starting point.

(B) NOTE: Map 94 follows:

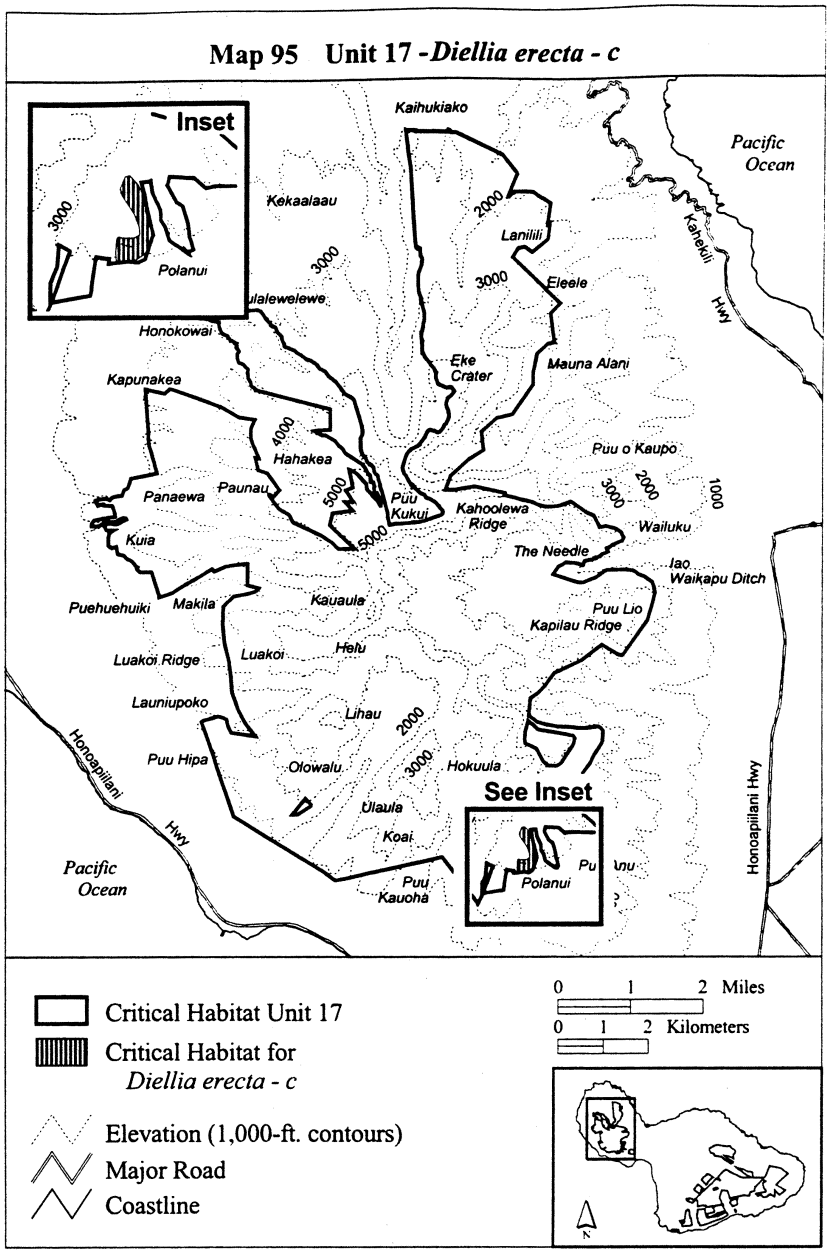


(xcv) Maui 17—*Diellia erecta*—c (22 ha; 55 ac).

(A) Unit consists of the following 28 boundary points: Start at 754348, 2304465; 754342, 2304448; 754333, 2304422; 754330, 2304413; 754327, 2304404; 754314, 2304365; 754306, 2304342; 754244, 2304245; 754151, 2304186; 753923, 2304157; 753916,

2304179; 753904, 2304271; 753923, 2304437; 753945, 2304452; 753997, 2304441; 754126, 2304441; 754188, 2304474; 754185, 2304570; 754133, 2304717; 753971, 2304953; 753963, 2305019; 754019, 2305159; 754078, 2305174; 754177, 2305056; 754236, 2304923; 754258, 2304820; 754258, 2304743; 754306, 2304647; return to starting point.

(B) NOTE: Map 95 follows:

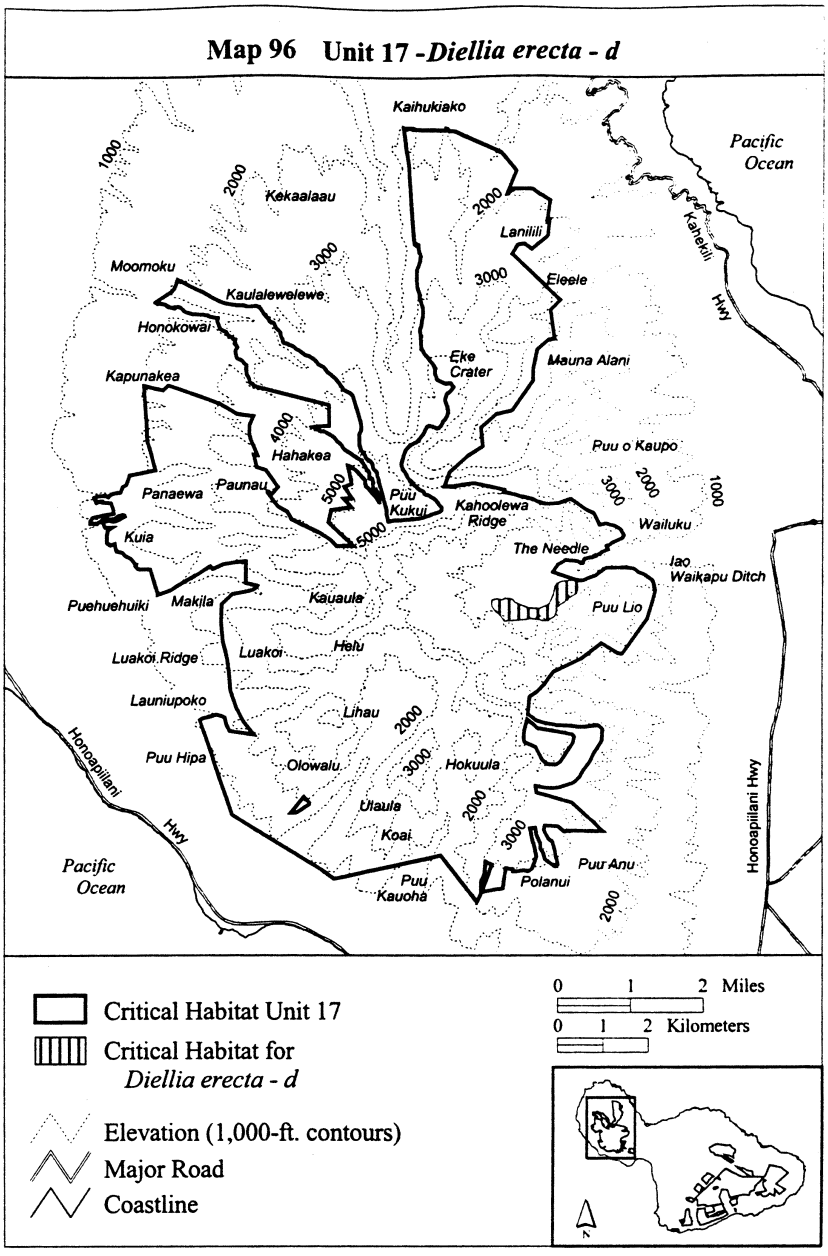


(xcvi) Maui 17—*Diellia erecta*—d (70 ha; 172 ac).

(A) Unit consists of the following 36 boundary points: Start at 755224, 2310599; 755233, 2310600; 755234, 2310596; 755254, 2310511; 755254, 2310380; 755223, 2310289; 755066, 2310201; 754953, 2310084; 754848, 2310040; 754796, 2309997; 754796,

2309936; 754748, 2309779; 754591, 2309692; 754495, 2309692; 754404, 2309722; 754277, 2309731; 754216, 2309744; 754129, 2309718; 753641, 2309683; 753549, 2309805; 753423, 2309923; 753362, 2310023; 753362, 2310136; 753480, 2310171; 753589, 2310145; 753658, 2310188; 753754, 2310193; 753811, 2310162; 753863, 2310097; 754173, 2309970; 754408, 2309962; 754626, 2310066; 754713, 2310276; 754744, 2310446; 754796, 2310524; 754922, 2310572; return to starting point.

(B) NOTE: Map 96 follows:

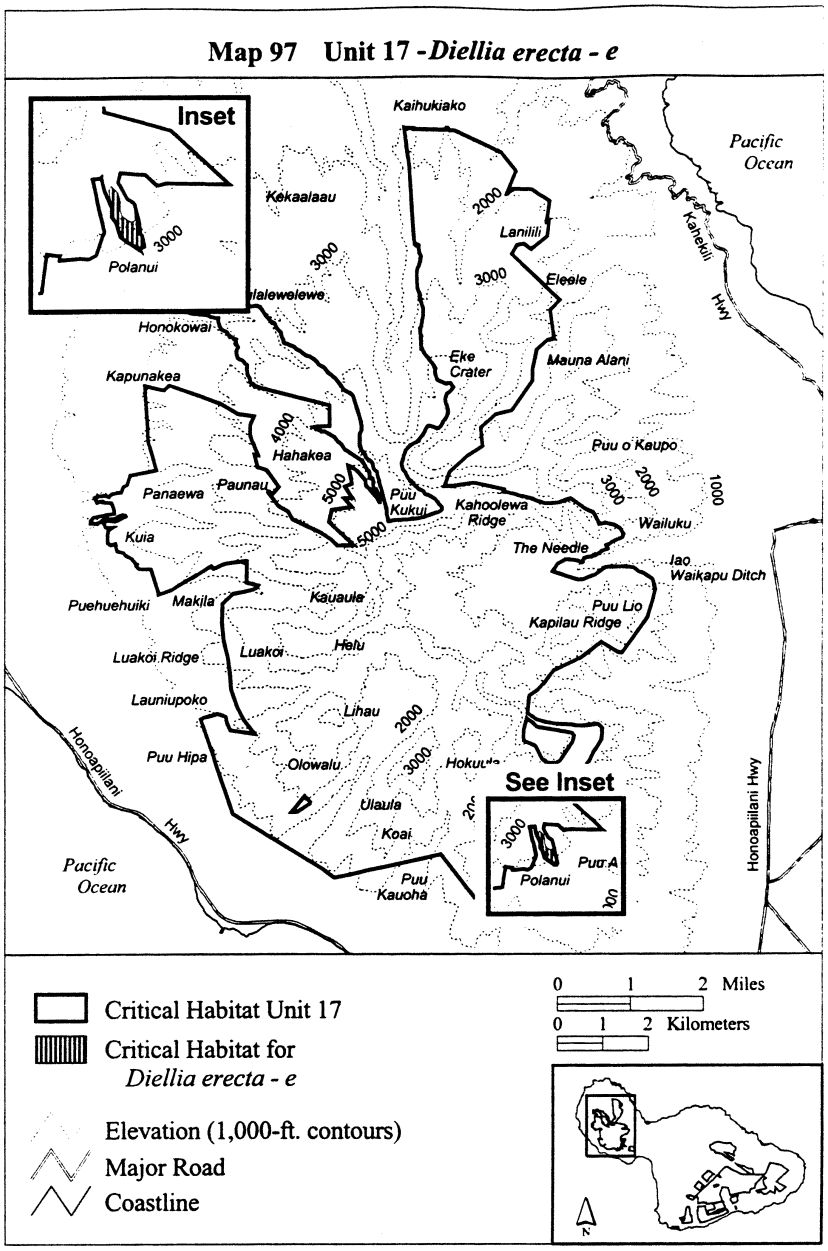


(xcvii) Maui 17—*Diellia erecta*—e (12 ha; 29 ac).

(A) Unit consists of the following 29 boundary points: Start at 754760, 2304616; 754771, 2304529; 754782, 2304447; 754796, 2304431; 754826, 2304297; 754824, 2304296; 754782, 2304278; 754773, 2304280; 754723, 2304289; 754601, 2304370; 754538,

2304427; 754486, 2304579; 754443, 2304647; 754438, 2304725; 754437, 2304765; 754435, 2304770; 754432, 2304809; 754406, 2304960; 754432, 2305008; 754513, 2304931; 754542, 2304817; 754542, 2304724; 754561, 2304654; 754638, 2304599; 754693, 2304584; 754715, 2304617; 754708, 2304702; 754712, 2304743; 754722, 2304737; return to starting point.

(B) NOTE: Map 97 follows:

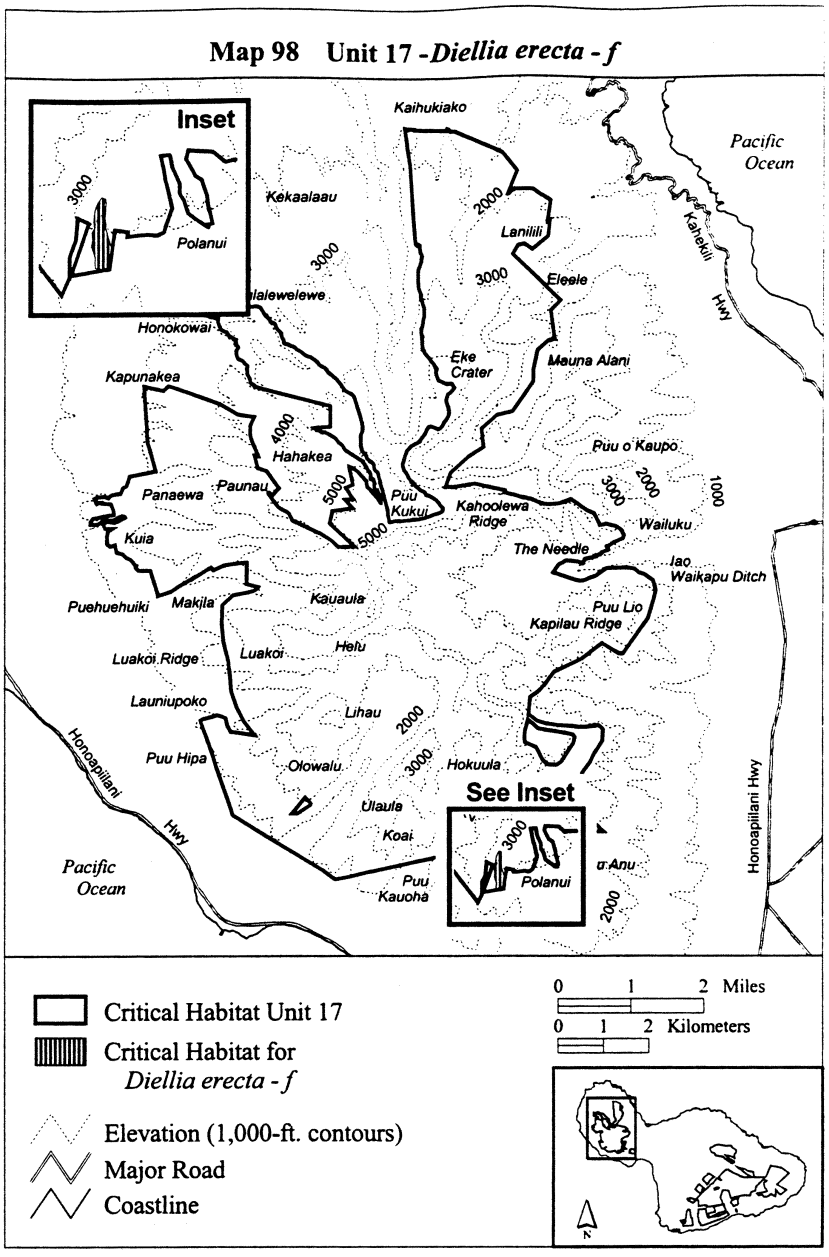


(xcviii) Maui 17—*Diellia erecta*—f (14 ha; 34 ac).

(A) Unit consists of the following 26 boundary points: Start at 753632, 2303912; 753625, 2303862; 753619, 2303819; 753617, 2303805; 753606, 2303762; 753541, 2303750; 753534, 2303749; 753531, 2303748; 753440, 2303770; 753436, 2303843; 753444,

2303891; 753396, 2304028; 753410, 2304101; 753403, 2304190; 753429, 2304234; 753422, 2304323; 753436, 2304448; 753469, 2304533; 753517, 2304603; 753565, 2304584; 753569, 2304536; 753565, 2304407; 753558, 2304356; 753569, 2304289; 753565, 2304238; 753632, 2304017; return to starting point.

(B) NOTE: Map 98 follows:

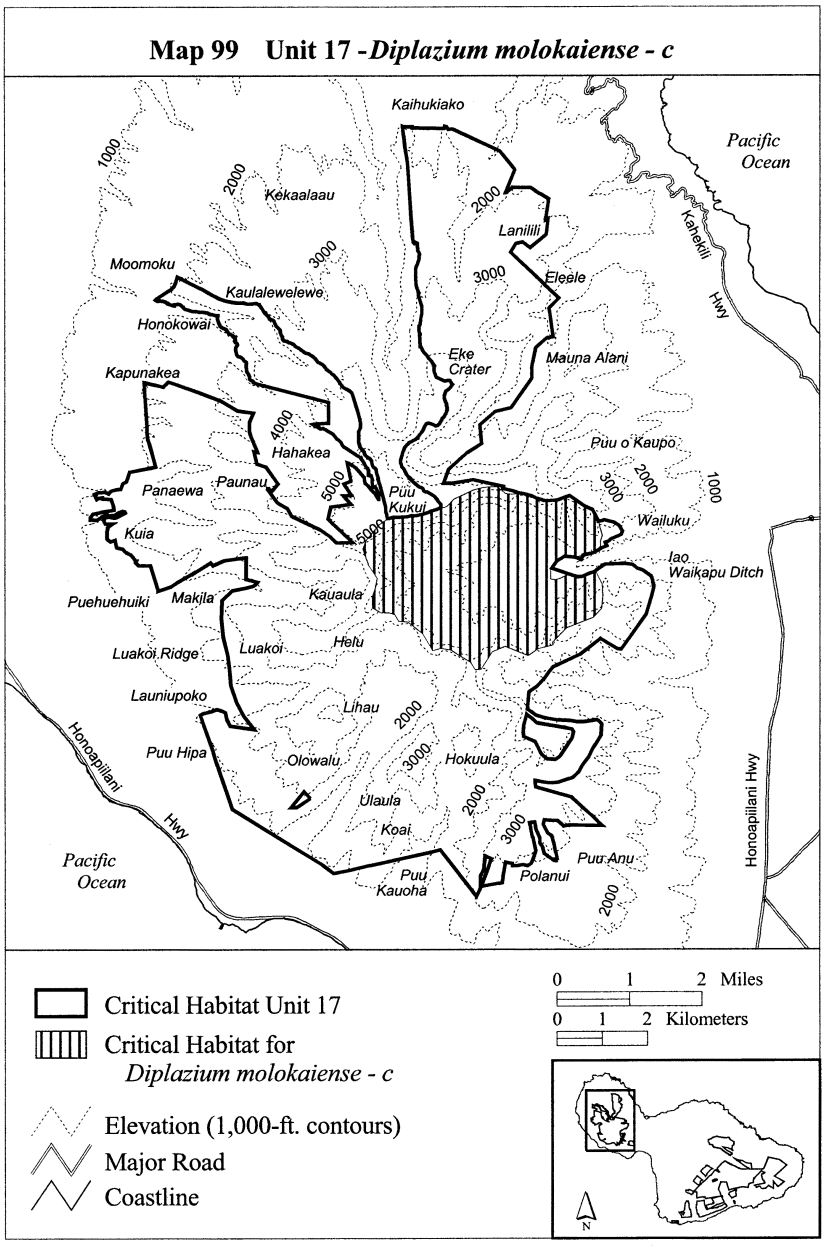


(xcix) Maui 17—*Diplazium molokaiense*—c (1,495 ha; 3,693 ac).

(A) Unit consists of the following 104 boundary points: Start at 754546, 2312287; 754606, 2312288; 754610, 2312288; 754834, 2312292; 755095, 2312393; 755436, 2312152; 755603, 2312078; 755737, 2311831; 755740, 2311819; 755830, 2311503; 755790,

2311369; 755790, 2311220; 755790, 2311209; 755633, 2311121; 755402, 2311063; 755230, 2311019; 754988, 2311042; 754931, 2311008; 754820, 2310941; 754711, 2310770; 754680, 2310721; 754687, 2310533; 754794, 2310520; 754921, 2310553; 755041, 2310620; 755269, 2310584; 755294, 2310580; 755295, 2310580; 755357, 2310584; 755364, 2310585; 755366, 2310585; 755395, 2310587; 755690, 2310701; 755823, 2310420; 755837, 2310132; 755810, 2309871; 755636, 2309671; 755034, 2309443; 754723, 2309107; 754733, 2309062; 754399, 2308969; 754265, 2308862; 754185, 2308821; 753679, 2309015; 753403, 2308902; 753162, 2308507; 753021, 2308494; 752921, 2308661; 752767, 2308768; 752647, 2308828; 752480, 2308948; 752259, 2308982; 752072, 2308935; 751858, 2309310; 751530, 2309577; 751323, 2309597; 751242, 2309744; 751129, 2309778; 750935, 2309778; 750741, 2309898; 750741, 2310145; 750801, 2310333; 750841, 2310553; 750661, 2310848; 750527, 2311202; 750607, 2311396; 750888, 2311744; 751101, 2311891; 751115, 2311894; 751125, 2311897; 751138, 2311901; 751197, 2311915; 751210, 2311916; 751252, 2311917; 751334, 2311913; 751353, 2311910; 751415, 2311923; 751428, 2311924; 751575, 2311921; 751719, 2311957; 751730, 2311960; 751766, 2311969; 751772, 2311971; 751845, 2311984; 751888, 2311992; 751889, 2311992; 751963, 2312014; 751997, 2312034; 752095, 2312064; 752096, 2312064; 752393, 2312158; 752547, 2312326; 752774, 2312419; 752975, 2312526; 753137, 2312560; 753296, 2312593; 753510, 2312586; 753690, 2312439; 753831, 2312419; 754009, 2312447; 754051, 2312453; 754245, 2312393; 754379, 2312336; 754499, 2312286; return to starting point.

(B) NOTE: Map 99 follows:

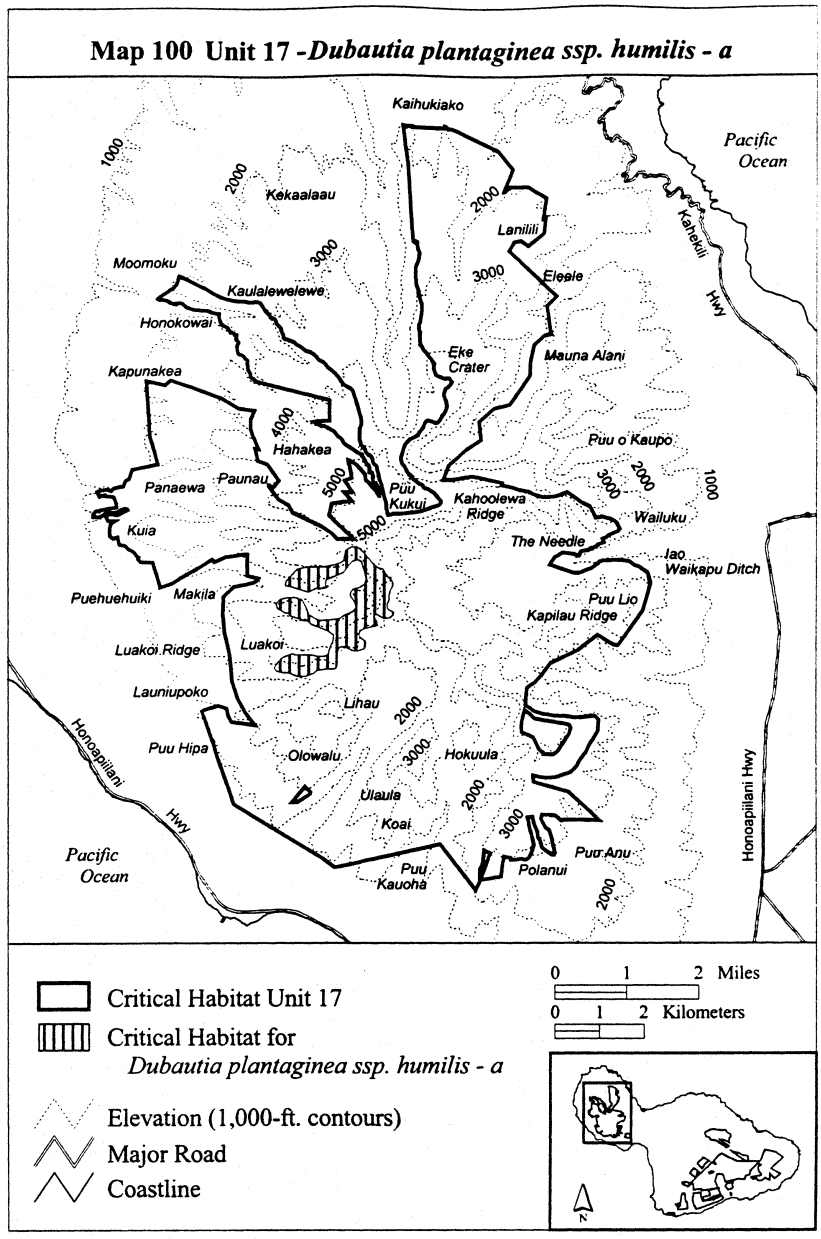


(c) Maui 17—*Dubautia plantaginea* ssp. *humilis*—a (293 ha; 723 ac).

(A) Unit consists of the following 125 boundary points: Start at 750756, 2309574; 750804, 2309536; 750834, 2309494; 750822, 2309406; 750716, 2309394; 750457, 2309300; 750422, 2309212; 750451, 2309153; 750581, 2309053; 750581, 2308953; 750557,

2308895; 750410, 2308848; 750298, 2308848; 750116, 2308936; 750004, 2308936; 749946, 2308818; 749940, 2308653; 749940, 2308495; 749916, 2308454; 749810, 2308430; 749722, 2308430; 749505, 2308412; 749410, 2308336; 749228, 2308271; 749058, 2308271; 748869, 2308348; 748681, 2308365; 748587, 2308383; 748528, 2308459; 748617, 2308589; 748711, 2308689; 748922, 2308783; 749016, 2308753; 749158, 2308753; 749352, 2308753; 749516, 2308712; 749652, 2308718; 749734, 2308753; 749804, 2308971; 749840, 2309042; 749860, 2309196; 749755, 2309277; 749635, 2309321; 749341, 2309445; 749279, 2309518; 749193, 2309518; 748880, 2309633; 748847, 2309691; 748794, 2309691; 748592, 2309801; 748577, 2309878; 748659, 2309998; 748847, 2310041; 749020, 2310032; 749159, 2309974; 749231, 2309825; 749293, 2309657; 749447, 2309561; 749553, 2309522; 749735, 2309527; 749995, 2309570; 750105, 2309647; 750283, 2309719; 750360, 2309806; 750322, 2309931; 750230, 2310080; 750240, 2310137; 750298, 2310229; 750447, 2310267; 750548, 2310344; 750596, 2310459; 750524, 2310671; 750471, 2310849; 750389, 2310887; 750269, 2310849; 750077, 2310599; 749687, 2310426; 749673, 2310363; 749678, 2310306; 749711, 2310262; 749659, 2310238; 749466, 2310238; 749313, 2310157; 749106, 2310209; 748952, 2310267; 748779, 2310301; 748799, 2310402; 749039, 2310671; 749245, 2310728; 749495, 2310724; 749639, 2310728; 749841, 2310757; 750048, 2310820; 750077, 2310863; 750120, 2311094; 750274, 2311175; 750432, 2311146; 750466, 2311103; 750557, 2311031; 750610, 2310949; 750663, 2310887; 750716, 2310805; 750845, 2310709; 750956, 2310680; 751009, 2310589; 751042, 2310536; 751124, 2310459; 751172, 2310407; 751182, 2310320; 751163, 2310248; 751124, 2310176; 751105, 2310075; 751095, 2309974; 751066, 2309888; 751057, 2309811; 751081, 2309767; 751143, 2309739; 751211, 2309700; 751196, 2309643; 751163, 2309614; 751095, 2309580; 750990, 2309566; 750927, 2309604; 750831, 2309652; 750778, 2309652; return to starting point.

(B) NOTE: Map 100 follows:

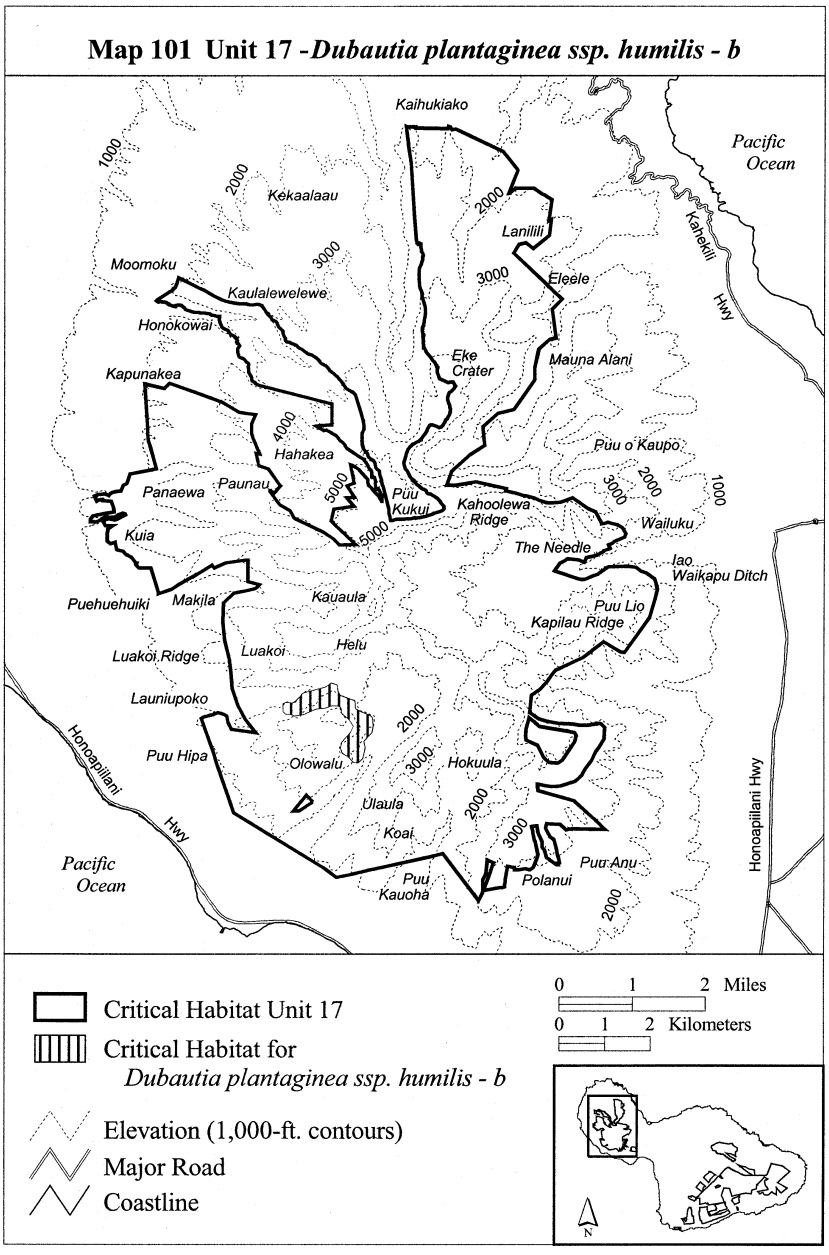


(ci) Maui 17—*Dubautia plantaginea* ssp. *humilis*—b (114 ha; 283 ac).

(A) Unit consists of the following 42 boundary points: Start at 748770, 2307854; 748911, 2307842; 749022, 2307918; 749146, 2308060; 749652, 2308195; 749769, 2308283; 749887, 2308248; 749916, 2308101; 749969, 2308007; 750287, 2307895; 750298,

2307813; 750304, 2307713; 750457, 2307630; 750628, 2307566; 750681, 2307507; 750698, 2307336; 750669, 2307178; 750492, 2306983; 750510, 2306836; 750463, 2306601; 750363, 2306507; 750263, 2306519; 750146, 2306648; 750010, 2306719; 749963, 2306831; 749999, 2306960; 750198, 2307195; 750257, 2307325; 750157, 2307466; 749987, 2307619; 749993, 2307666; 749975, 2307748; 749904, 2307771; 749775, 2307771; 749646, 2307724; 749428, 2307695; 749146, 2307571; 748964, 2307542; 748834, 2307583; 748758, 2307583; 748699, 2307654; 748705, 2307830; return to starting point.

(B) NOTE: Map 101 follows:

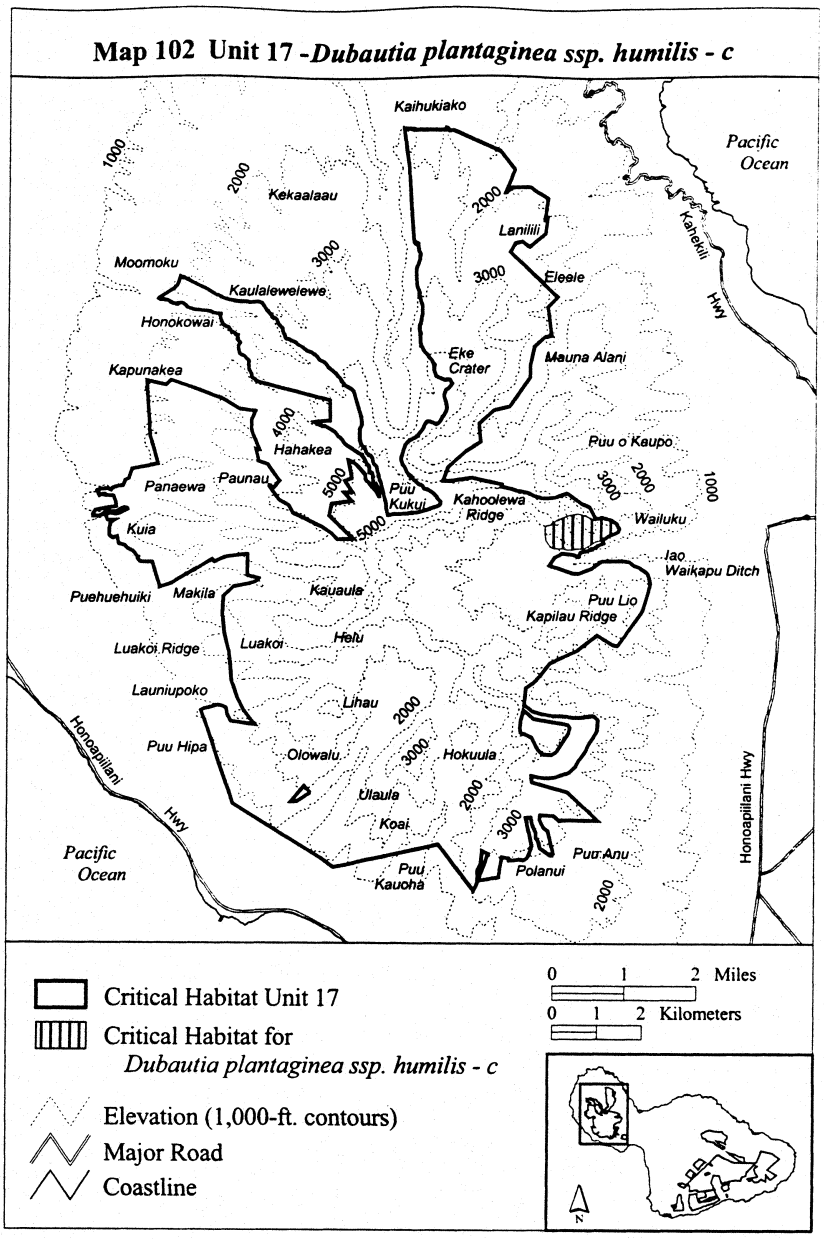


(cii) Maui 17—*Dubautia plantaginea* ssp. *humilis*—c (95 ha; 234 ac).

(A) Unit consists of the following 38 boundary points: Start at 755740, 2311819; 755809, 2311825; 755868, 2311853; 756001, 2311820; 756000, 2311819; 756067, 2311803; 756113, 2311777; 756198, 2311730; 756271, 2311594; 756244, 2311522; 756130,

2311477; 756013, 2311418; 755972, 2311382; 755885, 2311350; 755759, 2311305; 755487, 2311142; 755383, 2311142; 755306, 2311137; 755211, 2311119; 755098, 2311119; 755016, 2311160; 754948, 2311155; 754917, 2311105; 754908, 2311137; 754808, 2311160; 754713, 2311191; 754627, 2311327; 754627, 2311336; 754604, 2311481; 754604, 2311617; 754627, 2311667; 754740, 2311690; 754754, 2311721; 754971, 2311830; 755143, 2311893; 755356, 2311925; 755537, 2311875; 755664, 2311812; return to starting point.

(B) NOTE: Map 102 follows:

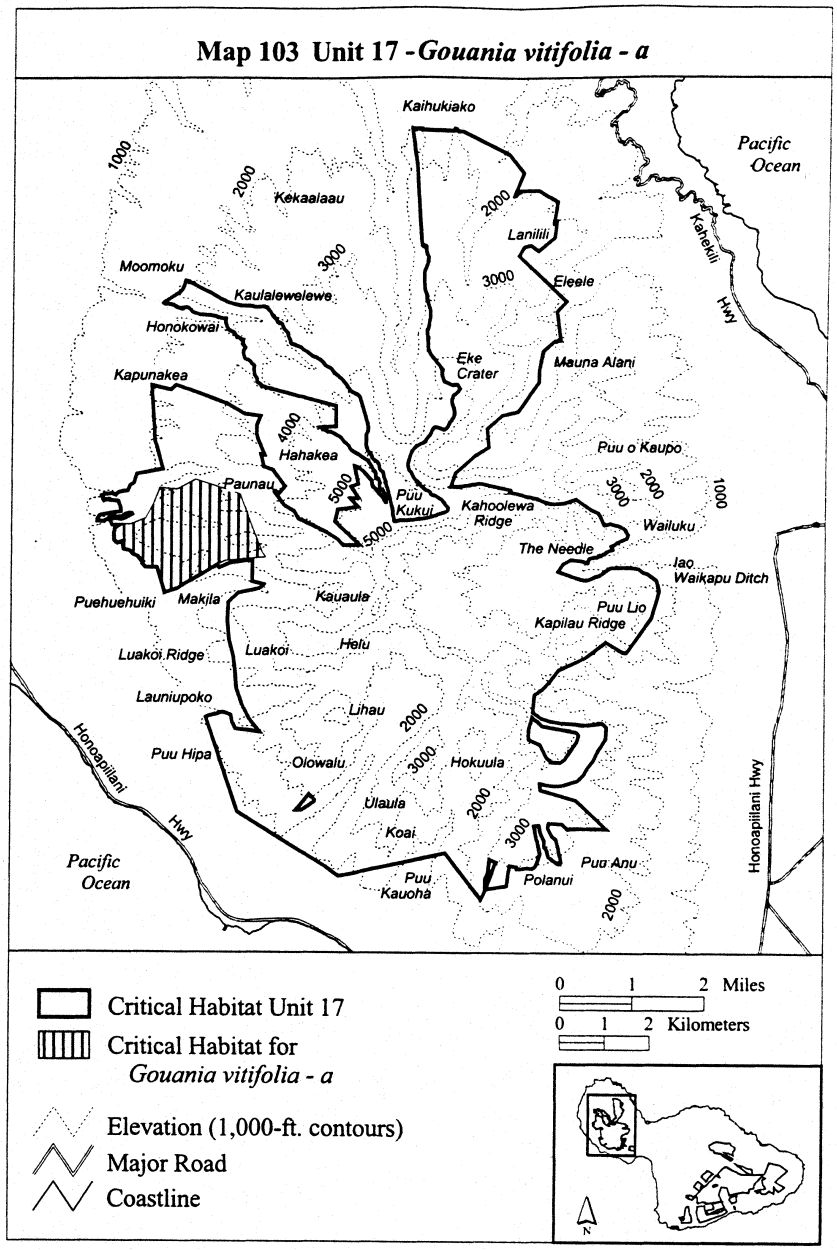


(ciii) Maui 17—*Gouania vitifolia*—a (485 ha; 1,198 ac).

(A) Unit consists of the following 41 boundary points: Start at 747141, 2310897; 746995, 2310813; 746754, 2310674; 746408, 2310474; 746263, 2310363; 745972, 2310265; 745966, 2310304; 745798, 2310840; 745541, 2310836; 745477, 2310914; 745480,

2310933; 745471, 2310939; 745465, 2310964; 745411, 2311024; 745368, 2311075; 745241, 2311145; 745197, 2311199; 745057, 2311247; 745052, 2311257; 745043, 2311276; 745010, 2311405; 744912, 2311365; 744842, 2311439; 744842, 2311486; 744842, 2311603; 744848, 2311671; 744847, 2311673; 744850, 2311702; 744959, 2311780; 744998, 2311808; 745212, 2311808; 745549, 2311923; 745721, 2312269; 745854, 2312631; 746251, 2312595; 746652, 2312824; 747641, 2312506; 747841, 2311974; 748141, 2311198; 748215, 2311076; 747319, 2311000; return to starting point.

(B) NOTE: Map 103 follows:

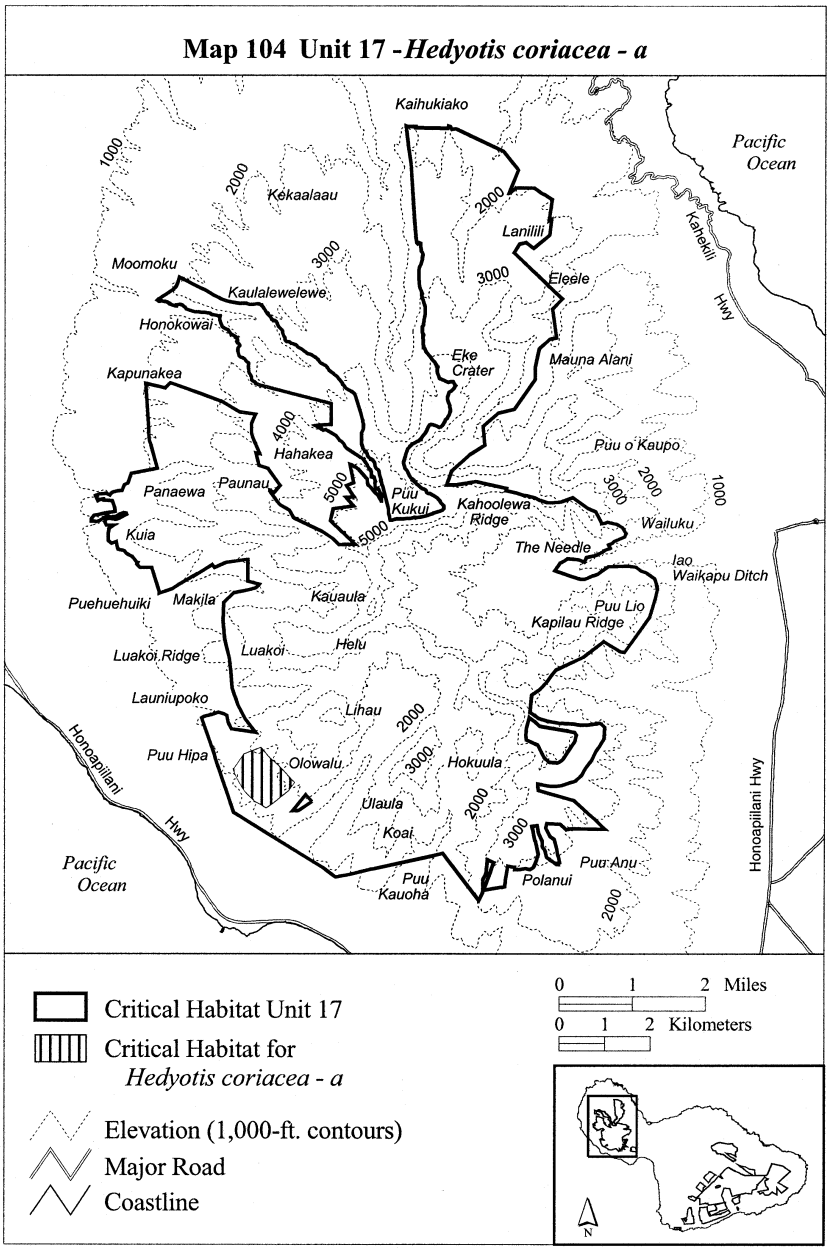


(civ) Maui 17—*Hedyotis coriacea*—a (106 ha; 262 ac).

(A) Unit consists of the following 17 boundary points: Start at 748229, 2306846; 748395, 2306645; 748650, 2306411; 748979, 2306067; 748838, 2305871; 748820, 2305865; 748469, 2305574; 748339, 2305505; 748218, 2305574; 748077, 2305651; 747887,

2305845; 747810, 2305946; 747709, 2306127; 747636, 2306281; 747610, 2306361; 747634, 2306377; 747850, 2306700; return to starting point.

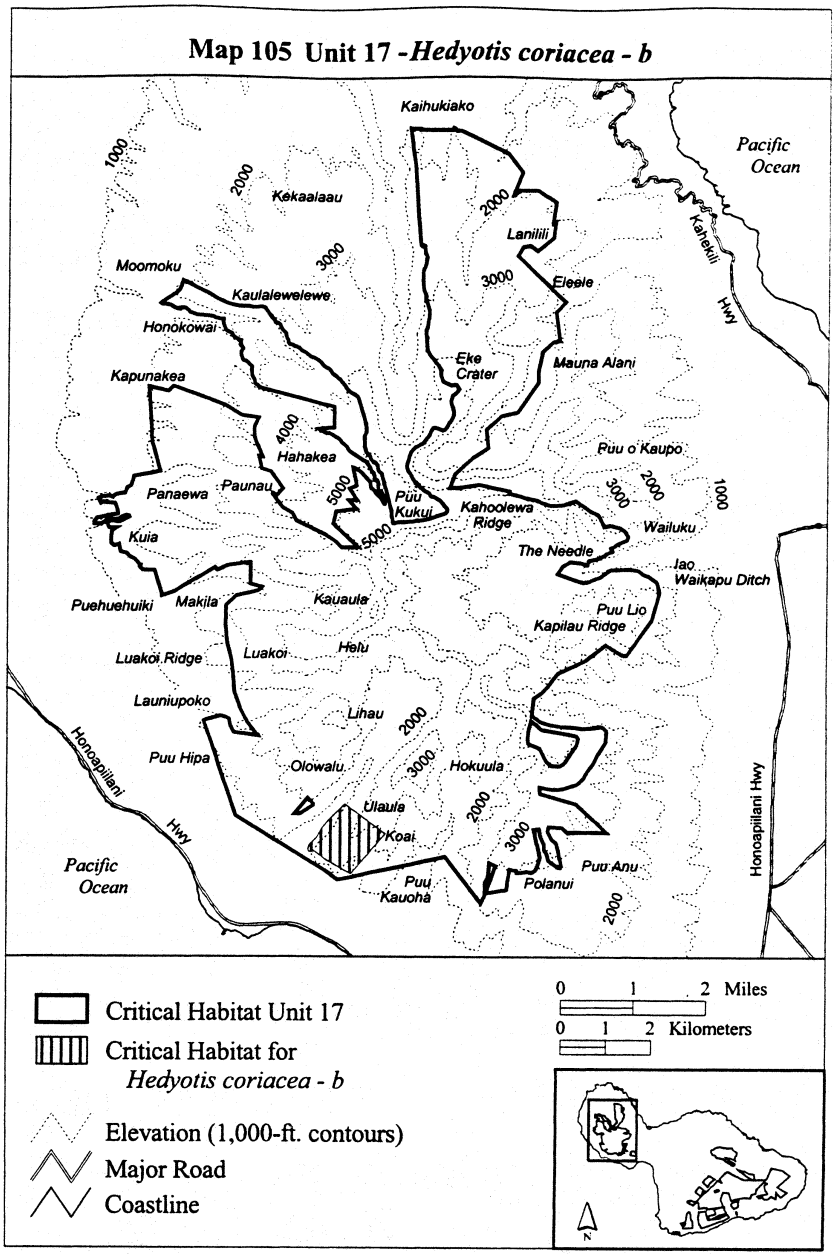
(B) NOTE: Map 104 follows:



(cv) Maui 17—*Hedyotis coriacea*—b (138 ha; 340 ac).

(A) Unit consists of the following 15 boundary points: Start at 750175, 2304106; 750114, 2304143; 749603, 2304436; 749378, 2304612; 749292, 2304605; 749240, 2304605; 749225, 2304642; 749247, 2304740; 749311, 2304807; 749416, 2304901; 749540, 2305122; 749716, 2305336; 749855, 2305464; 750041, 2305656; 750931, 2304991; return to starting point.

(B) NOTE: Map 105 follows:

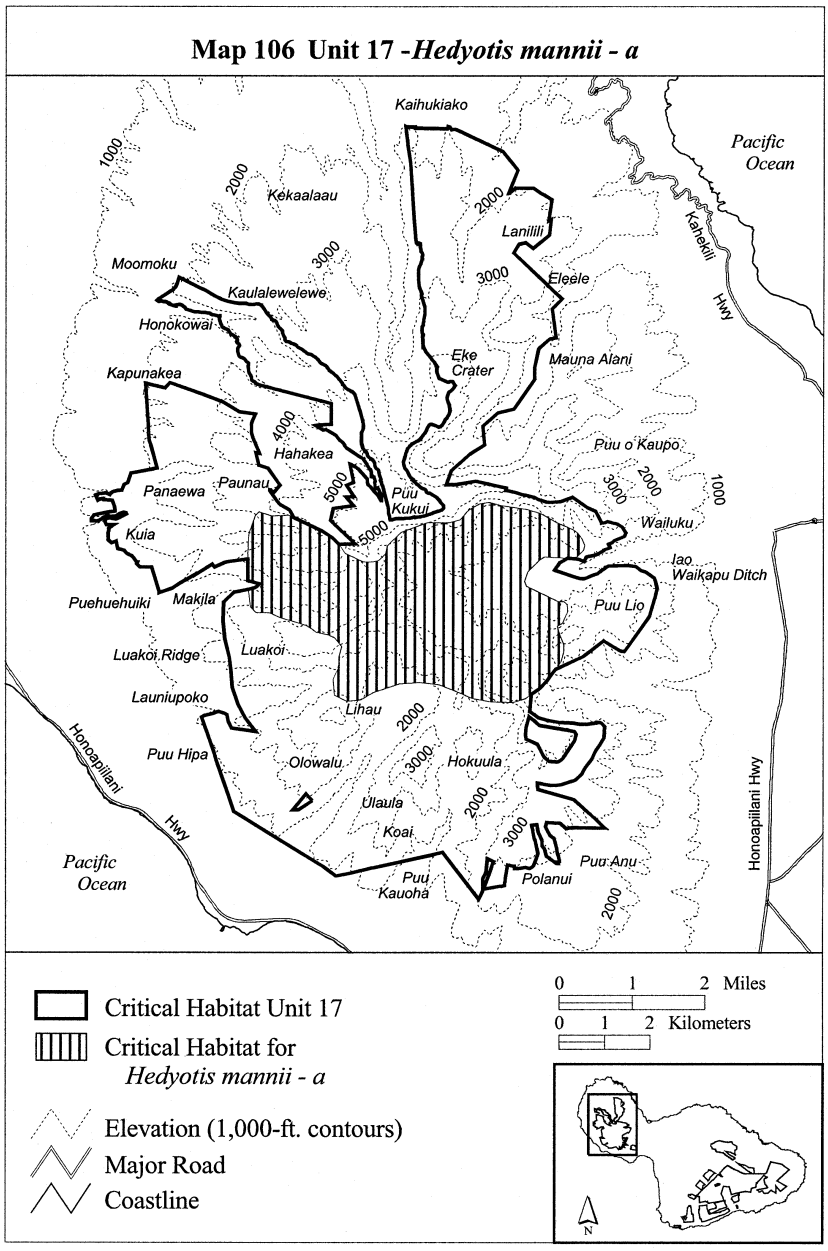


(cvi) Maui 17—*Hedyotis mannii*—a (2,234 ha; 5,521 ac).

(A) Unit consists of the following 91 boundary points: Start at 754727, 2308566; 754627, 2308441; 754539, 2308313; 754379, 2308137; 754206, 2308013; 754067, 2307913; 753787, 2307825; 753291, 2307841; 752907, 2307913; 752547, 2308073; 752153,

2308222; 751739, 2308265; 751304, 2308250; 750705, 2308040; 750420, 2307876; 750121, 2307846; 749836, 2307996; 749821, 2308340; 749939, 2308602; 749944, 2308823; 750001, 2309070; 749859, 2309265; 749711, 2309330; 749709, 2309329; 749451, 2309383; 749360, 2309453; 749225, 2309542; 748982, 2309613; 748668, 2309703; 748413, 2309823; 748114, 2309823; 747994, 2309943; 747935, 2310342; 747935, 2310343; 748094, 2310374; 748180, 2310466; 747930, 2310531; 747921, 2311010; 747919, 2311126; 747942, 2311477; 747949, 2311590; 748084, 2311980; 748174, 2312070; 748443, 2311980; 748833, 2311995; 748934, 2311945; 749571, 2311633; 749803, 2311489; 749939, 2311346; 749971, 2311313; 750085, 2311145; 750491, 2310953; 750699, 2310953; 750827, 2310993; 750971, 2311129; 750974, 2311127; 751010, 2311307; 751322, 2311611; 751900, 2311832; 752386, 2311832; 752622, 2311893; 752820, 2312105; 753056, 2312250; 753254, 2312280; 753543, 2312212; 754098, 2312113; 754402, 2312029; 754775, 2311832; 755109, 2311680; 755208, 2311596; 755307, 2311467; 755368, 2311315; 755337, 2311208; 755201, 2311071; 754934, 2311041; 754496, 2311070; 754383, 2311003; 754117, 2310737; 754049, 2310524; 754079, 2310418; 754794, 2310076; 754904, 2310075; 754980, 2310014; 754995, 2309839; 754919, 2309679; 754889, 2309596; 754767, 2309514; 754827, 2309305; 754907, 2309113; 754907, 2308945; 754851, 2308721; return to starting point.

(B) NOTE: Map 106 follows:

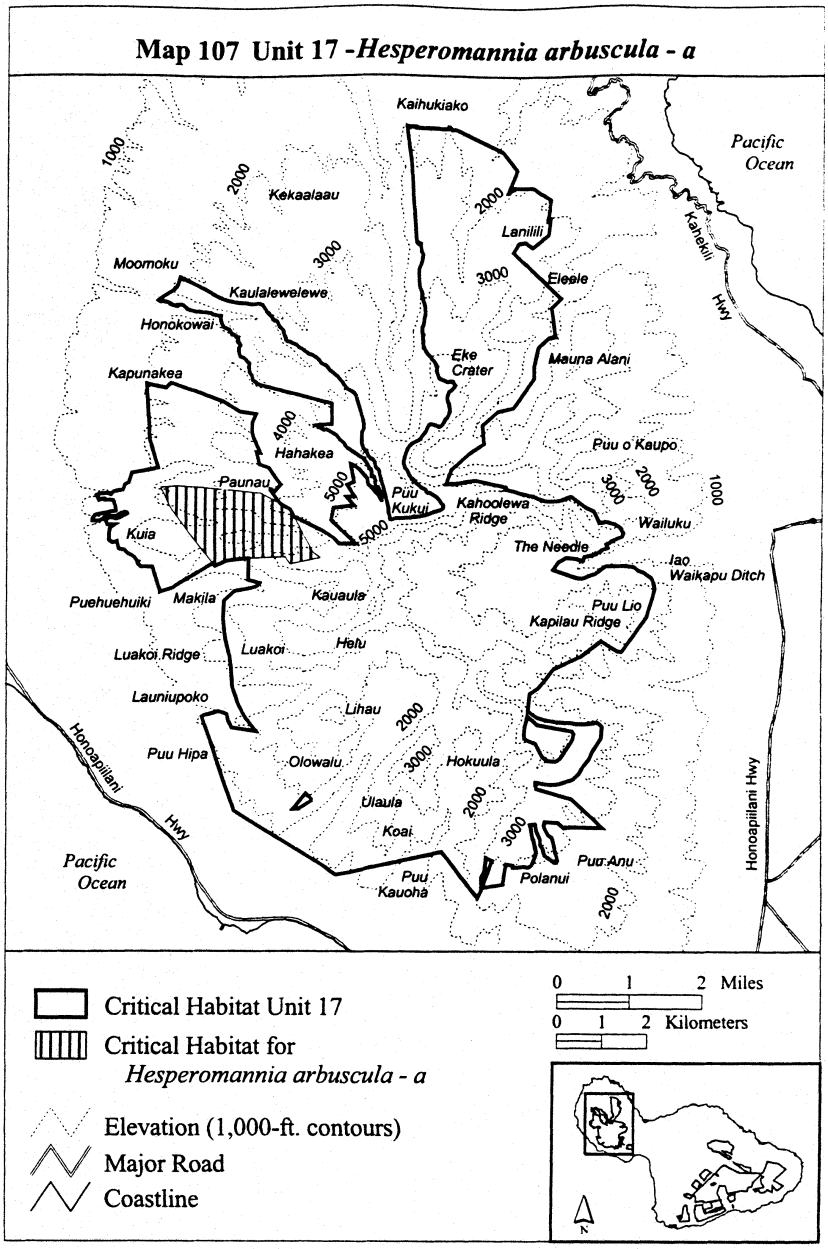


(cvii) Maui 17—*Hesperomannia arbuscula*—a (392 ha; 968 ac).

(A) Unit consists of the following 19 boundary points: Start at 747921, 2311010; 747903, 2311009; 747525, 2310992; 747443, 2310953; 747190, 2310834; 747141, 2310897; 746634, 2311554; 746203, 2312157; 745979, 2312604; 746368, 2312645; 748186,

2312479; 748631, 2312228; 748848, 2312105; 748934, 2311945; 749268, 2311327; 749365, 2311159; 749509, 2311034; 748847, 2310882; 748737, 2311047; return to starting point.

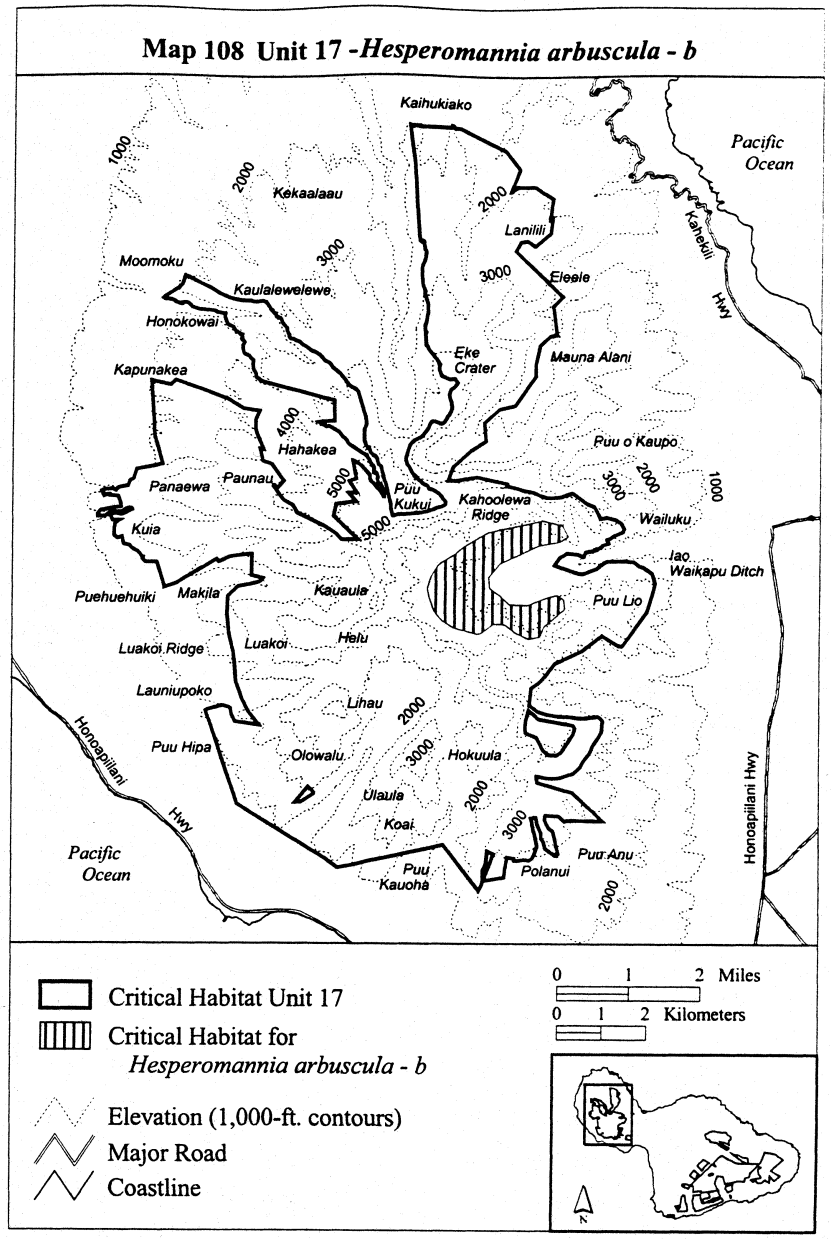
(B) NOTE: Map 107 follows:



(cviii) Maui 17—*Hesperomannia arbuscula*—b (435 ha; 1,076 ac).

(A) Unit consists of the following 36 boundary points: Start at 752168, 2310821; 752476, 2311020; 752645, 2311166; 753026, 2311401; 753239, 2311511; 754450, 2311761; 754890, 2311665; 755015, 2311408; 754831, 2311291; 754347, 2311203; 753481, 2310799; 753232, 2310491; 753247, 2310271; 753459, 2310095; 753701, 2309890; 754112, 2309875; 754567, 2310044; 754773, 2310102; 754912, 2310014; 754949, 2309787; 754736, 2309611; 754479, 2309391; 754391, 2309156; 754142, 2309105; 753841, 2309244; 753599, 2309427; 753349, 2309449; 753078, 2309251; 752982, 2309229; 752461, 2309361; 752190, 2309530; 751999, 2309758; 751904, 2310058; 751860, 2310256; 751955, 2310528; 752087, 2310748; return to starting point.

(B) NOTE: Map 108 follows:



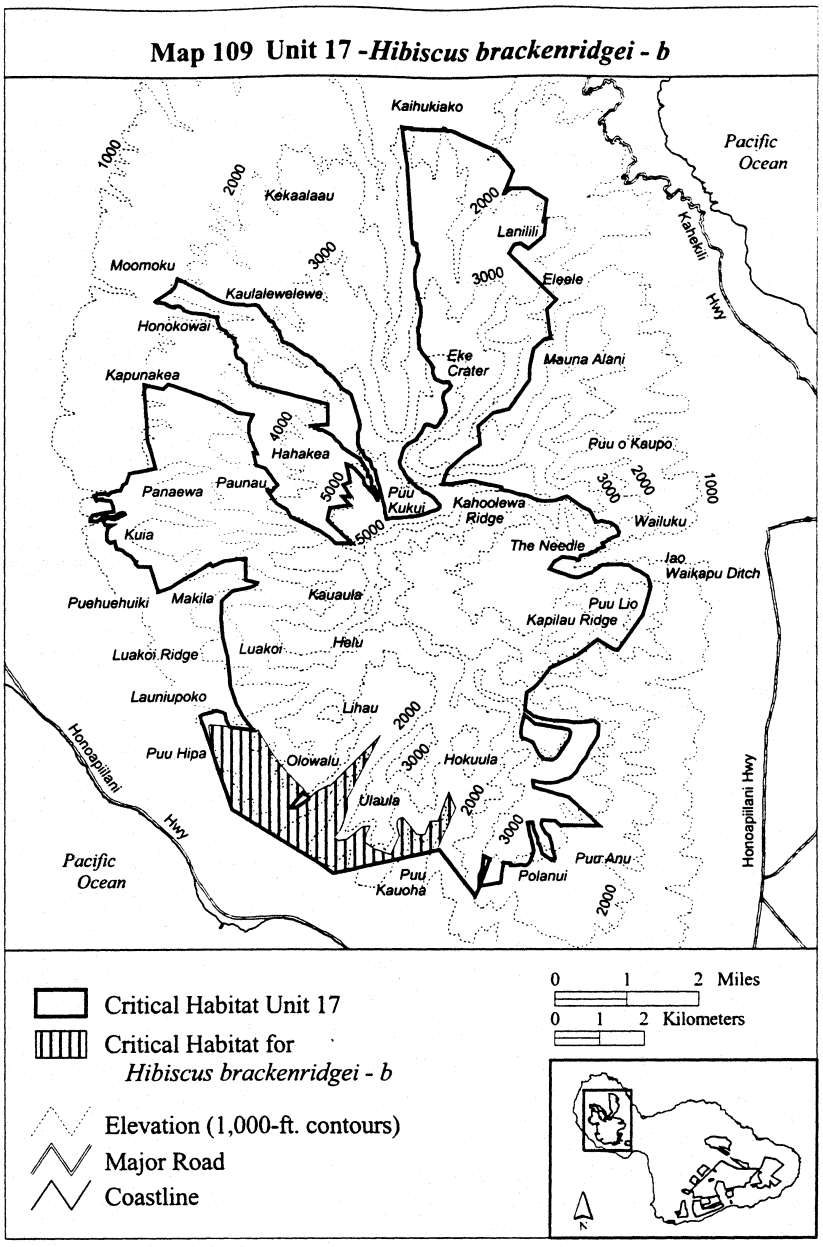
(cix) Maui 17—*Hibiscus brackenridgei*—b (672 ha; 1,661 ac).

(A) Unit consists of the following 60 boundary points: Start at 752075, 2304457; 752048, 2304451; 750687, 2304151; 750686, 2304151; 750403, 2304088; 749884, 2303974; 749722, 2304095; 749666, 2304138; 749584, 2304189; 748359, 2304949; 747620,

2305411; 747479, 2305820; 747343, 2306214; 747263, 2306446; 747200, 2306630; 747191, 2306692; 747101, 2307299; 747121, 2307299; 747120, 2307301; 747329, 2307289; 747571, 2307254; 748096, 2307179; 748214, 2307162; 748499, 2306705; 748671, 2306455; 749034, 2306050; 749215, 2305860; 749378, 2305670; 749491, 2305783; 749783, 2305937; 749811, 2305928; 750938, 2307038; 750193, 2305638; 750202, 2305598; 750197, 2305412; 750122, 2305158; 750027, 2304930; 749905, 2304760; 750011, 2304702; 750197, 2304744; 750446, 2304940; 750546, 2305015; 750695, 2305036; 750679, 2304967; 750621, 2304845; 750589, 2304670; 750818, 2304506; 751161, 2304400; 751352, 2304808; 751305, 2304993; 751305, 2305126; 751352, 2305195; 751442, 2305221; 751741, 2304837; 751924, 2304837; 752039, 2305135; 752222, 2305135; 752452, 2305777; 752612, 2305410; 752197, 2304484; return to starting point.

(B) Excluding the area bounded by the following 11 boundary points (6ha; 15ac): Start at 749362, 2305641; 749057, 2305433; 748930, 2305439; 749226, 2305793; 749363, 2305641; 749363, 2305641; 749363, 2305641; 749363, 2305641; 749363, 2305641; 749362, 2305640; return to starting point.

(C) NOTE: Map 109 follows:

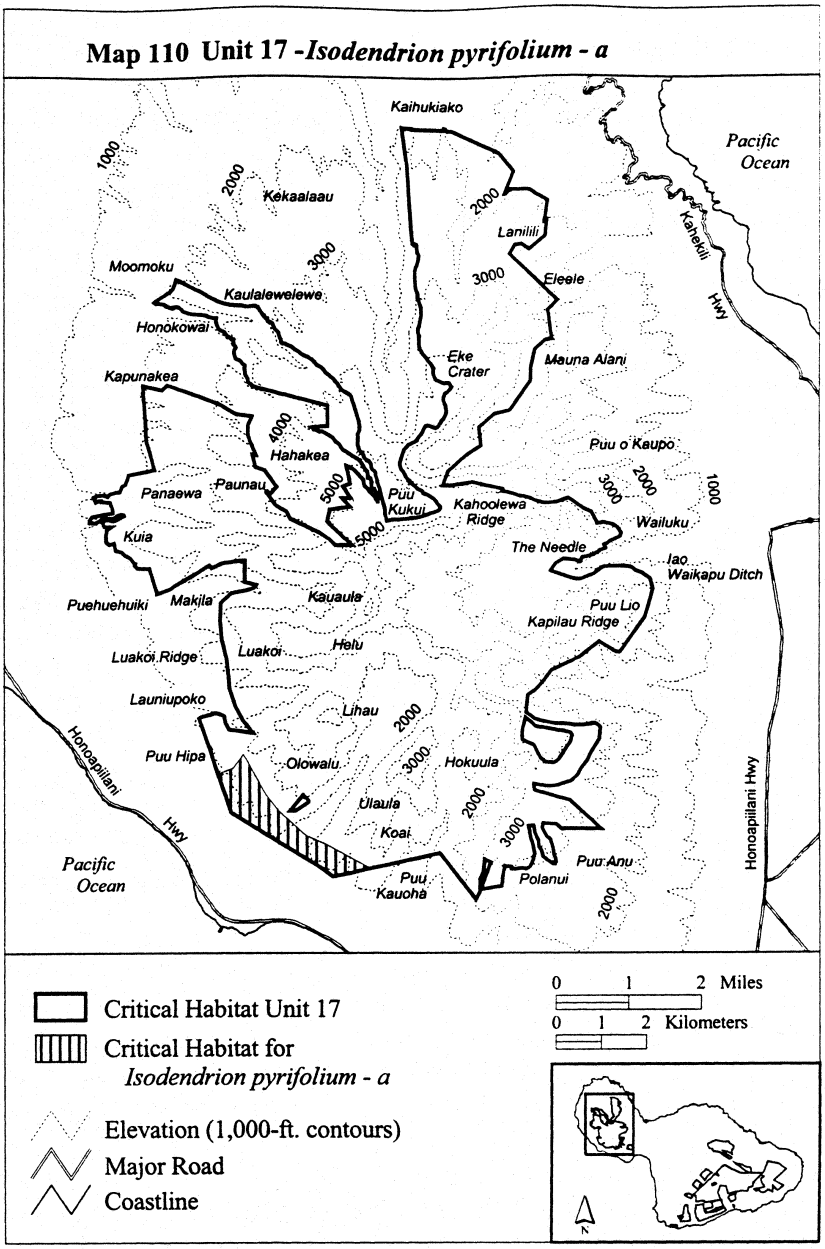


(cx) Maui 17—*Isodendrion pyrifolium*—a (224 ha; 555 ac).

(A) Unit consists of the following 20 boundary points: Start at 750686, 2304151; 750460, 2304101; 750214, 2304047; 749928, 2303984; 749903, 2303978; 749898, 2303977; 749722, 2304095; 749584, 2304189; 749409, 2304307; 748359, 2304949; 747620,

2305407; 747479, 2305820; 747331, 2306254; 747670, 2306395; 747898, 2306699; 748388, 2305794; 748679, 2305440; 749287, 2304896; 749758, 2304696; 750700, 2304154; return to starting point.

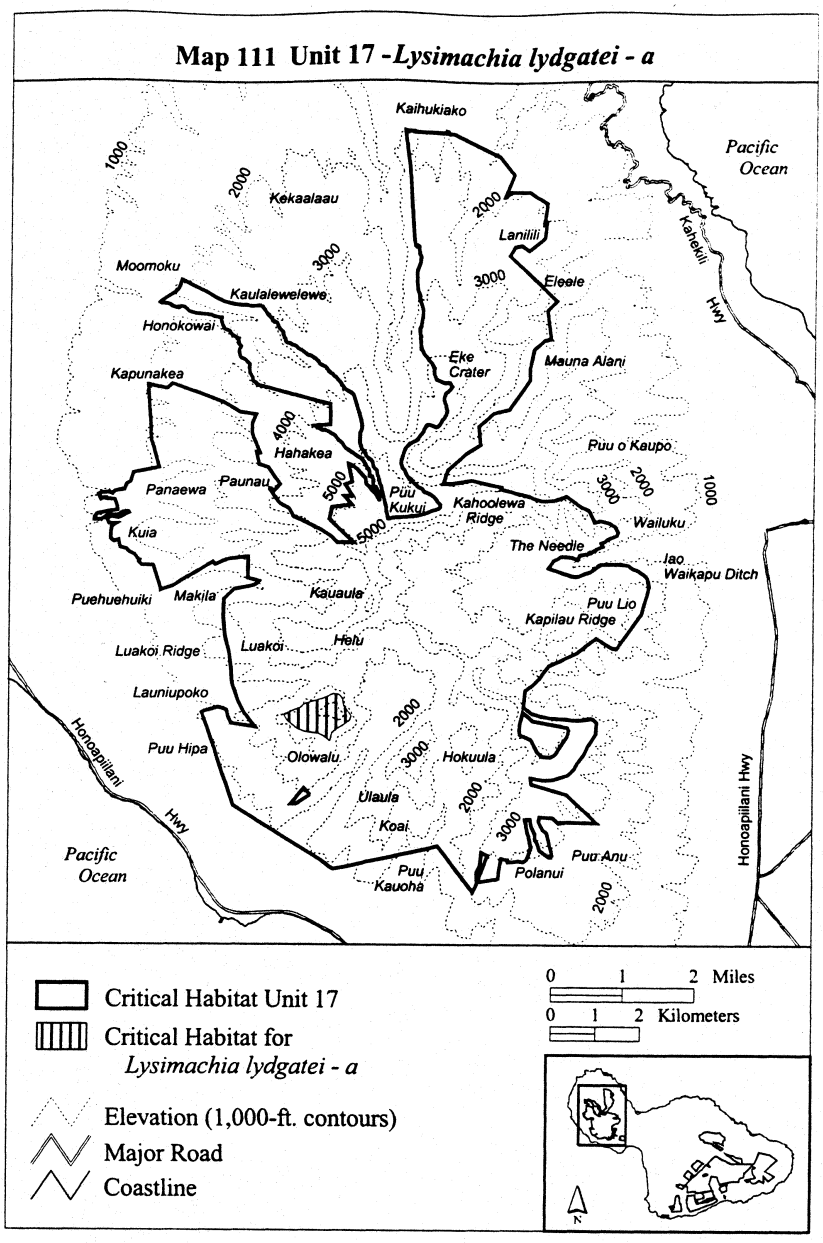
(B) NOTE: Map 110 follows:



(cxi) Maui 17—*Lysimachia lydgatei*—a (89 ha; 221 ac).

(A) Unit consists of the following 28 boundary points: Start at 748761, 2307434; 748761, 2307462; 748898, 2307517; 749159, 2307627; 749233, 2307705; 749329, 2307723; 749389, 2307755; 749654, 2307824; 749737, 2307865; 749879, 2307929; 750007, 2307916; 750080, 2307833; 750099, 2307732; 750103, 2307664; 750186, 2307558; 750273, 2307434; 750250, 2307334; 750076, 2307201; 749911, 2307100; 749842, 2307040; 749801, 2306857; 749663, 2306972; 749549, 2307022; 749480, 2307040; 749242, 2307059; 749086, 2307127; 748830, 2307334; 748761, 2307421; return to starting point.

(B) NOTE: Map 111 follows:



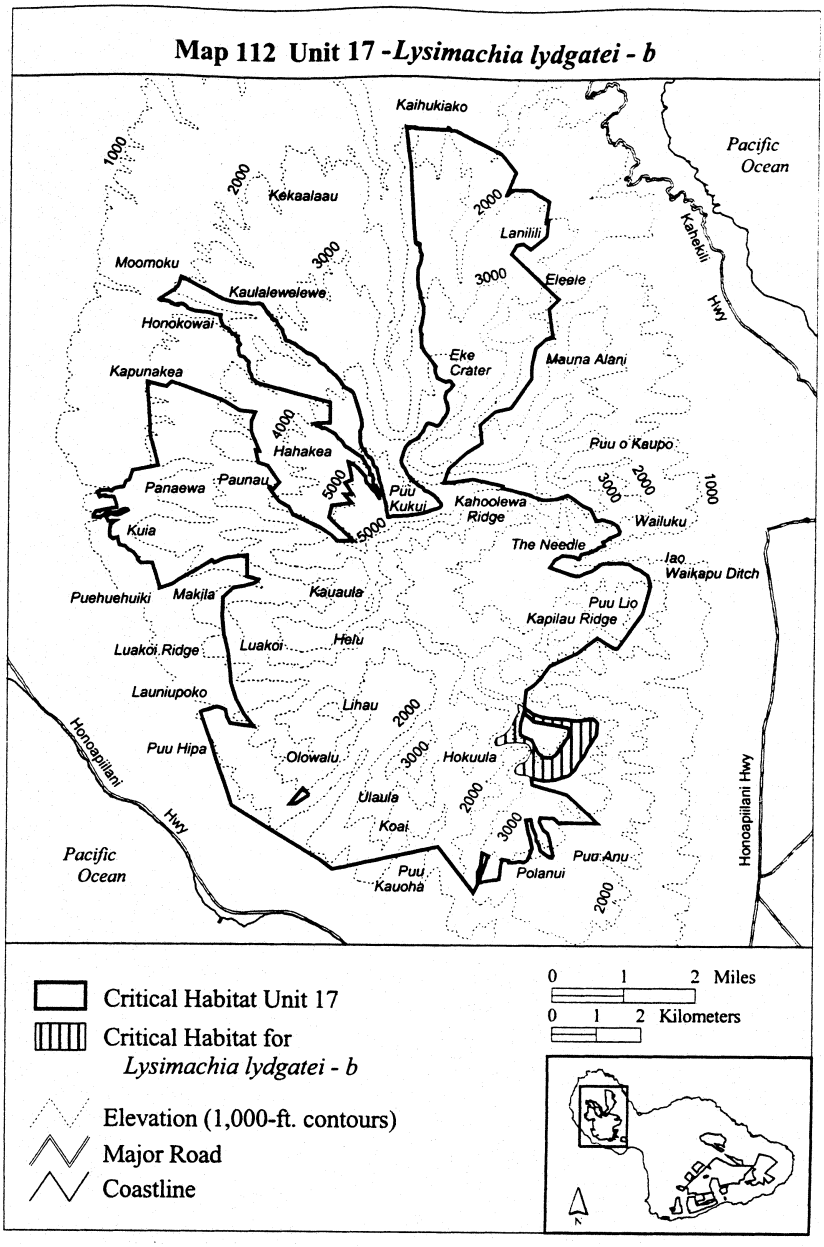
(cxii) Maui 17—*Lysimachia lydgatei*—b (220 ha; 544 ac).

(A) Unit consists of the following 67 boundary points: Start at 754164, 2307624; 754188, 2307607; 754367, 2307487; 754541, 2307436; 754599, 2307426; 754834, 2307383; 755113, 2307365; 755261, 2307345; 755428, 2307345; 755624, 2307370; 755652,

2307375; 755657, 2307376; 755704, 2307385; 755734, 2307365; 755806, 2307294; 755803, 2307069; 755794, 2307046; 755803, 2307043; 755697, 2306874; 755624, 2306756; 755515, 2306552; 755490, 2306519; 755377, 2306367; 755334, 2306276; 755319, 2306243; 755262, 2306193; 755163, 2306105; 755088, 2306079; 755078, 2306075; 754935, 2306024; 754857, 2305996; 754748, 2305990; 754614, 2305982; 754412, 2306019; 754341, 2306032; 754341, 2306031; 754336, 2306037; 754319, 2306054; 754254, 2306105; 754083, 2306112; 753970, 2306152; 753941, 2306203; 753985, 2306280; 754050, 2306349; 754192, 2306403; 754247, 2306469; 754327, 2306603; 754312, 2306694; 754272, 2306781; 754214, 2306829; 753999, 2306850; 753861, 2306832; 753774, 2306836; 753618, 2306774; 753523, 2306770; 753494, 2306847; 753541, 2306949; 753640, 2306978; 753730, 2307025; 753825, 2307130; 753890, 2307243; 753940, 2307388; 754036, 2307519; 754021, 2307625; 754007, 2307650; 754021, 2307697; 754054, 2307701; return to starting point.

(B) Excluding the area bounded by the following 19 boundary points (62ha; 153ac): Start at 754495, 2306605; 754472, 2306625; 754334, 2306901; 754090, 2307018; 754065, 2307098; 754087, 2307266; 754141, 2307512; 754162, 2307496; 754243, 2307436; 754381, 2307316; 755039, 2307210; 755145, 2307181; 755188, 2307116; 755155, 2306981; 755028, 2306781; 754890, 2306567; 754808, 2306523; 754788, 2306512; 754588, 2306523; return to starting point.

(C) NOTE: Map 112 follows:

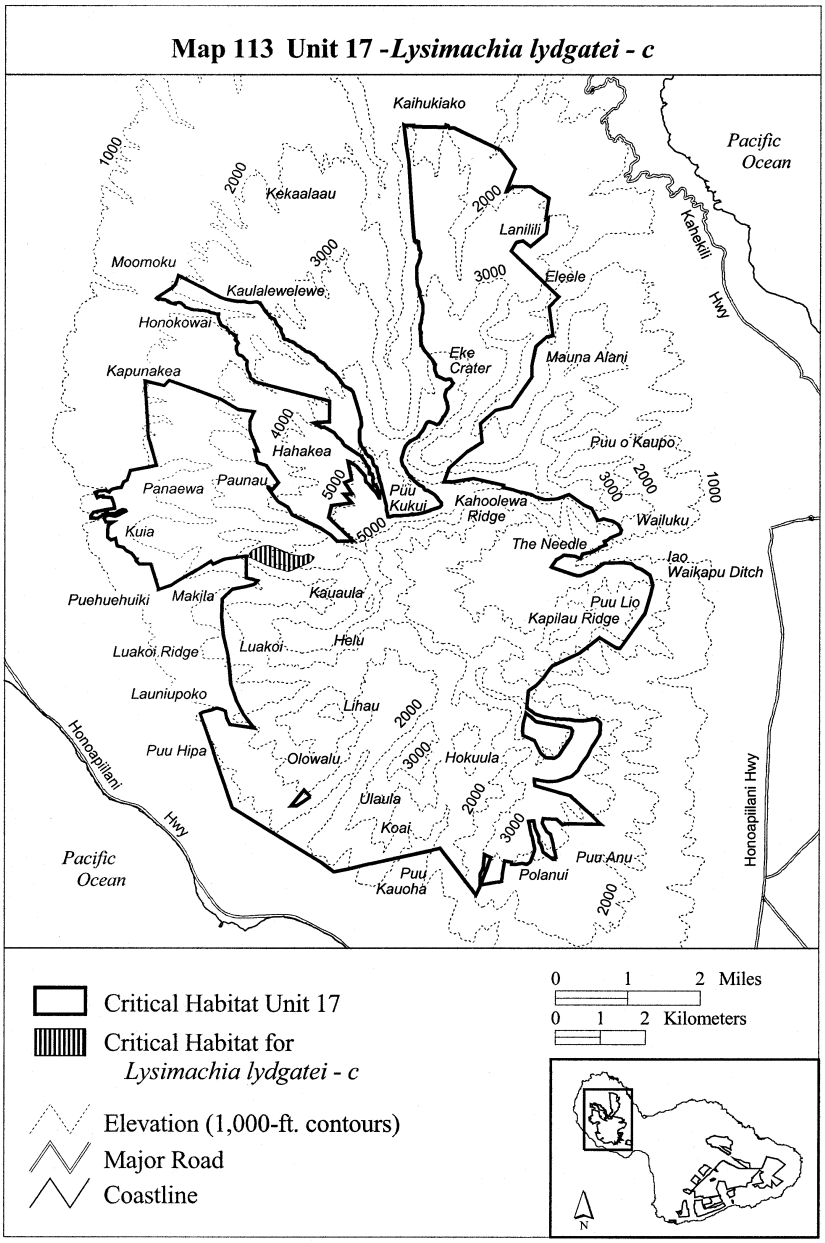


(cxiii) Maui 17—*Lysimachia lydgatei*—c (47 ha; 117 ac).

(A) Unit consists of the following 18 boundary points: Start at 748746, 2311133; 748917, 2311048; 749167, 2311011; 749305, 2311059; 749438, 2311006; 749422, 2310952; 749353, 2310873; 749060, 2310745; 748858, 2310670; 748624, 2310729; 748411,

2310793; 748135, 2310920; 747970, 2311000; 747997, 2311080; 748066, 2311154; 748289, 2311240; 748433, 2311255; 748512, 2311234; return to starting point.

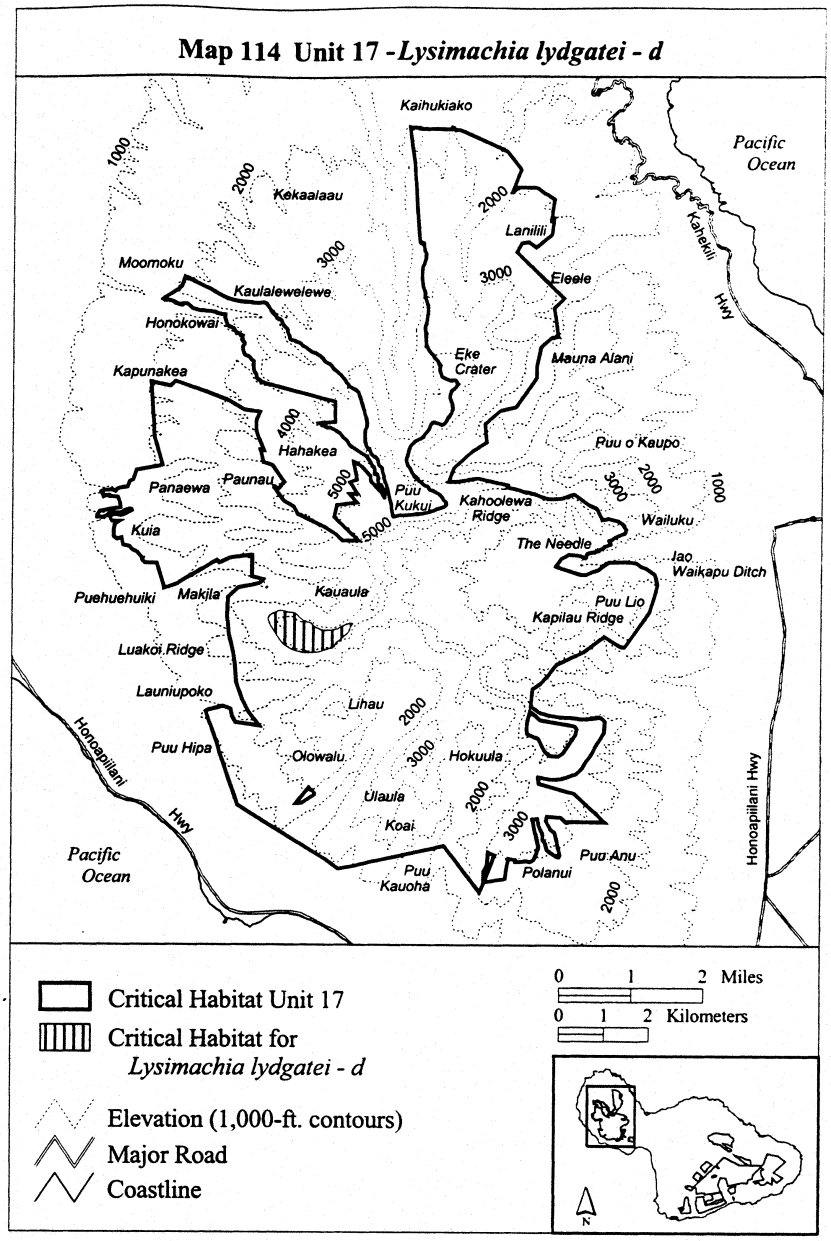
(B) NOTE: Map 113 follows:



(cxiv) Maui 17—*Lysimachia lydgatei*—d (98 ha; 241 ac).

(A) Unit consists of the following 30 boundary points: Start at 750135, 2309496; 750181, 2309483; 750177, 2309446; 750122, 2309373; 750090, 2309281; 749925, 2309130; 749801, 2309038; 749773, 2308951; 749416, 2308836; 749077, 2308814; 748834, 2308882; 748623, 2309020; 748486, 2309217; 748335, 2309450; 748293, 2309574; 748321, 2309638; 748385, 2309698; 748523, 2309757; 748582, 2309771; 748738, 2309734; 748885, 2309721; 748999, 2309606; 749123, 2309519; 749251, 2309487; 749329, 2309405; 749498, 2309322; 749682, 2309322; 749842, 2309350; 749906, 2309400; 750025, 2309450; return to starting point.

(B) NOTE: Map 114 follows:

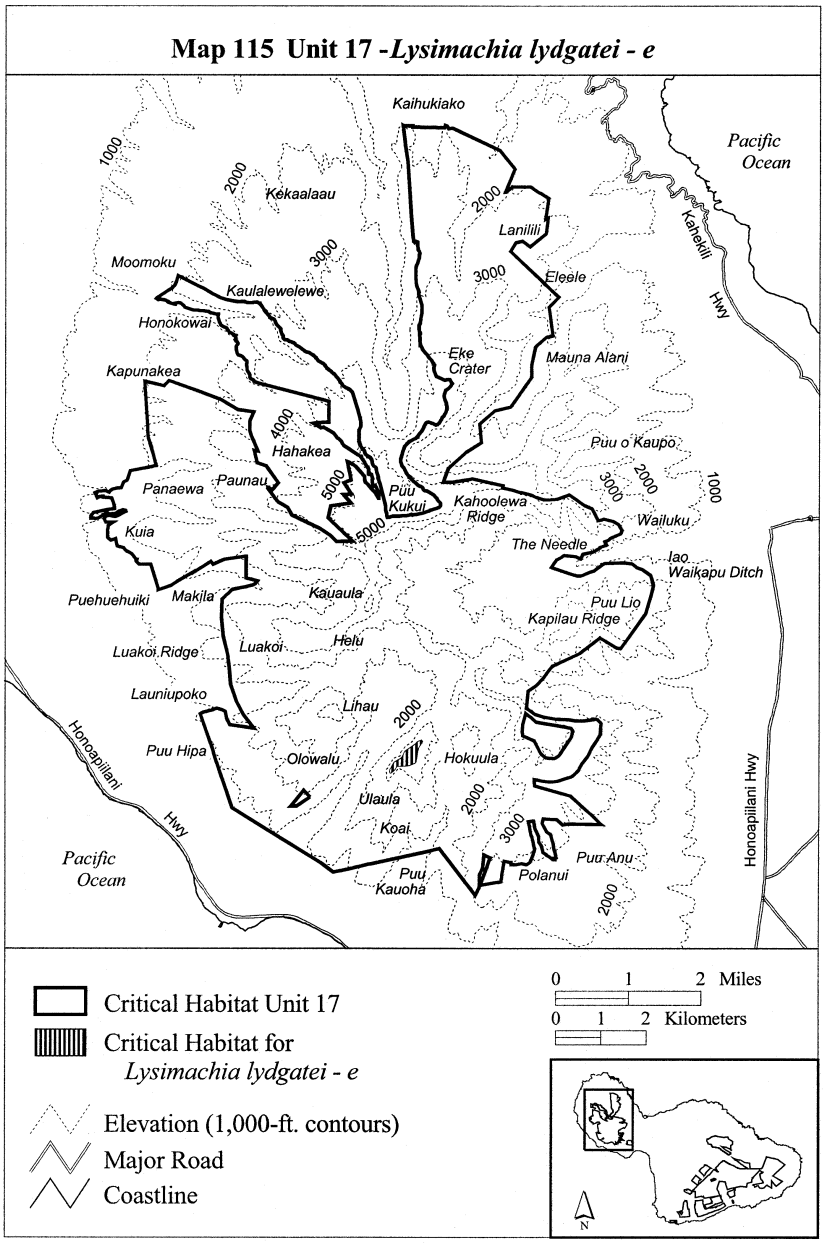


(cxv) Maui 17—*Lysimachia lydgatei*—e (18 ha; 44 ac).

(A) Unit consists of the following 22 boundary points: Start at 751408, 2306523; 751429, 2306563; 751478, 2306669; 751724, 2306831; 751767, 2306892; 751846, 2306916; 751871, 2306886; 751843, 2306831; 751785, 2306736; 751755, 2306654; 751746,

2306529; 751718, 2306404; 751575, 2306347; 751374, 2306334; 751307, 2306322; 751264, 2306246; 751164, 2306182; 751133, 2306194; 751136, 2306234; 751188, 2306328; 751240, 2306423; 751359, 2306493; return to starting point.

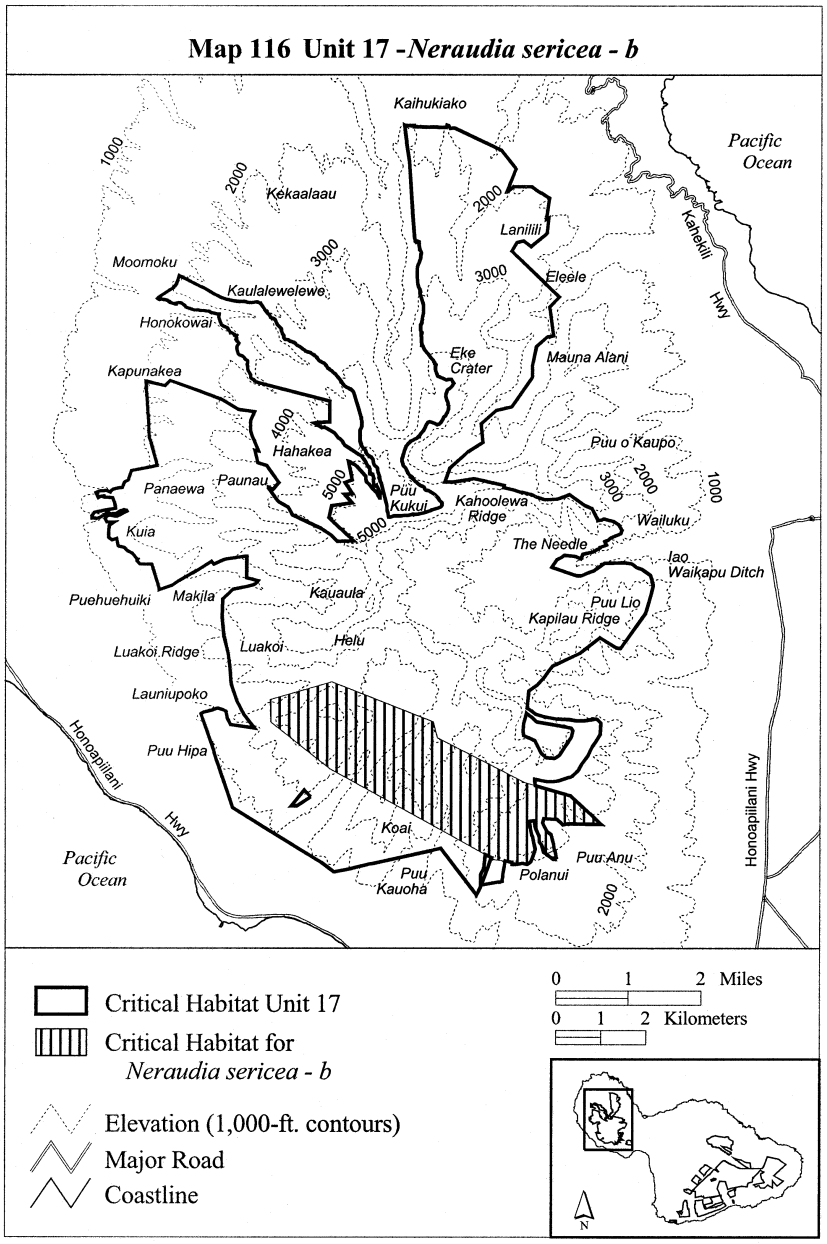
(B) NOTE: Map 115 follows:



(cxvi) Maui 17—*Neraudia sericea*—b (1,189 ha; 2,938 ac).

(A) Unit consists of the following 56 boundary points: Start at 754350, 2305894; 755139, 2305668; 755567, 2305273; 755828, 2305033; 755089, 2305043; 755087, 2305045; 754979, 2305016; 754831, 2305142; 754762, 2305147; 754540, 2305162; 754519, 2305074; 754515, 2305057; 754540, 2305011; 754546, 2305000; 754546, 2305000; 754621, 2304863; 754699, 2304812; 754760, 2304616; 754771, 2304529; 754777, 2304488; 754780, 2304459; 754601, 2304367; 754542, 2304415; 754486, 2304579; 754439, 2304653; 754438, 2304725; 754437, 2304765; 754435, 2304770; 754349, 2304956; 754320, 2305103; 754319, 2305108; 754309, 2305107; 754214, 2305093; 754235, 2304991; 754278, 2304785; 754282, 2304767; 754351, 2304474; 754342, 2304448; 754333, 2304422; 754324, 2304394; 754323, 2304390; 754277, 2304259; 754255, 2304193; 754171, 2304150; 754067, 2304164; 753832, 2304195; 753811, 2304198; 753675, 2304217; 753449, 2304247; 749789, 2306260; 748476, 2307315; 748455, 2307820; 749832, 2308208; 752082, 2307325; 752168, 2306959; 754128, 2305958; return to starting point.

(B) NOTE: Map 116 follows:

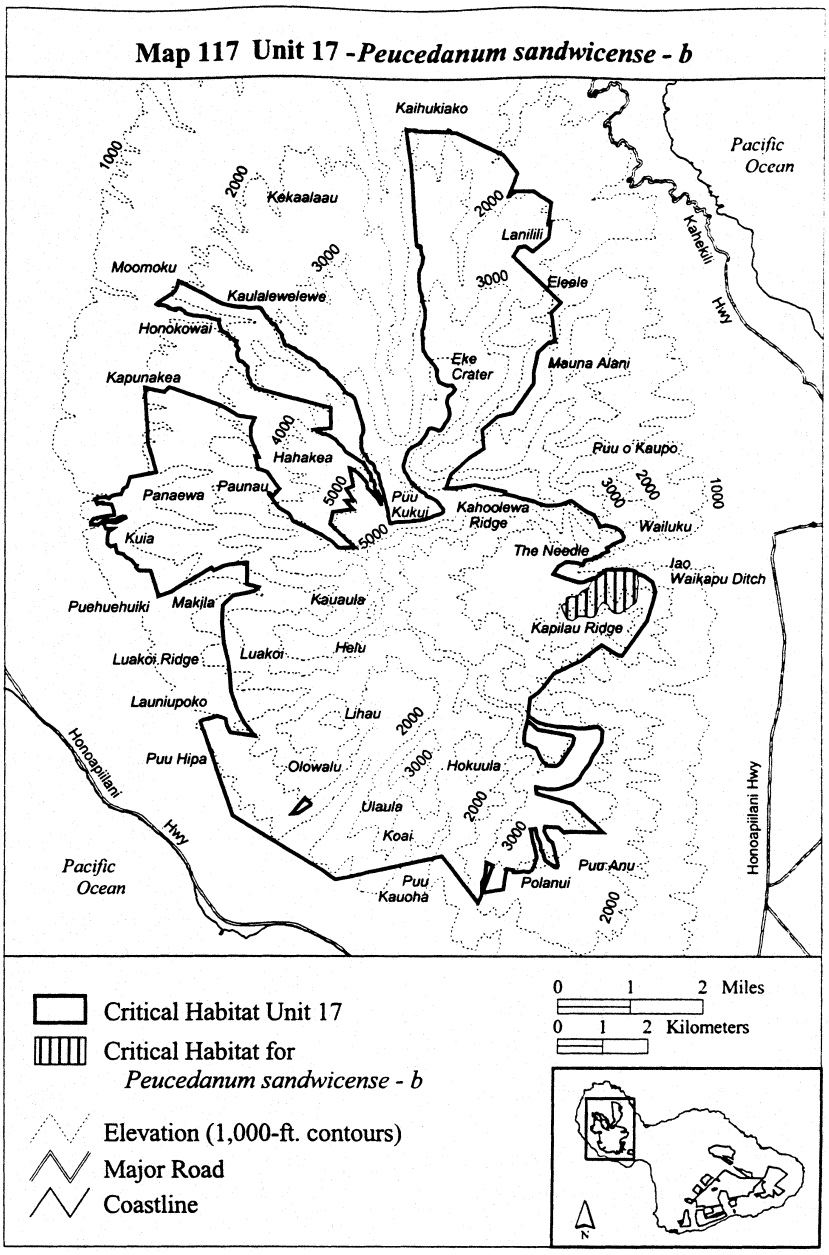


(cxvii) Maui 17—*Peucedanum sandwicense*—b (117 ha; 289 ac).

(A) Unit consists of the following 41 boundary points: Start at 755661, 2310703; 755670, 2310709; 755718, 2310743; 755890, 2310863; 755896, 2310864; 756325, 2310873; 756497, 2310849; 756549, 2310816; 756582, 2310768; 756582, 2310767; 756578,

2310701; 756602, 2310559; 756578, 2310444; 756578, 2310273; 756549, 2310135; 756463, 2310087; 756387, 2310011; 756287, 2309973; 756216, 2309911; 756116, 2309892; 756068, 2309906; 755992, 2309963; 755930, 2310082; 755806, 2310140; 755735, 2310078; 755697, 2309982; 755659, 2309873; 755587, 2309811; 755502, 2309811; 755430, 2309835; 755292, 2309835; 755140, 2309730; 755002, 2309797; 754882, 2310059; 754982, 2310125; 755002, 2310244; 755068, 2310268; 755221, 2310259; 755344, 2310382; 755492, 2310463; 755573, 2310625; return to starting point.

(B) NOTE: Map 117 follows:

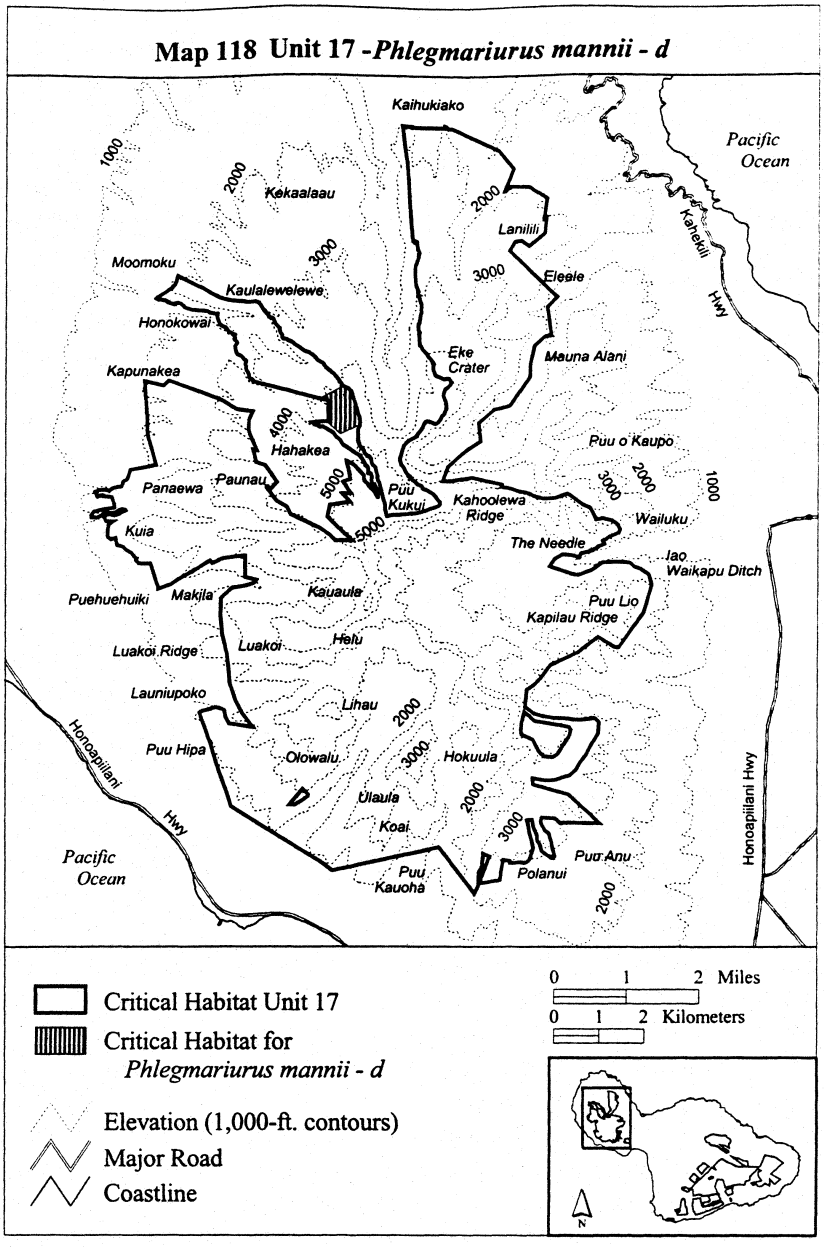


(cxviii) Maui 17—*Phlegmariurus mannii*—d (57 ha; 140 ac).

(A) Unit consists of the following 34 boundary points: Start at 749731, 2314023; 749762, 2314024; 749763, 2314024; 749764, 2314024; 749764, 2314025; 749766, 2314245; 749769, 2314498; 749768, 2314500; 749767, 2314500; 749602, 2314542; 750115,

2314813; 750120, 2314809; 750138, 2314798; 750173, 2314786; 750215, 2314763; 750223, 2314758; 750232, 2314754; 750246, 2314737; 750265, 2314720; 750286, 2314703; 750288, 2314702; 750386, 2314362; 750454, 2314143; 750461, 2314125; 750462, 2314110; 750462, 2314098; 750469, 2314075; 750476, 2314039; 750478, 2314029; 750479, 2314015; 750481, 2313991; 750479, 2313958; 750479, 2313948; 750046, 2313750; return to starting point.

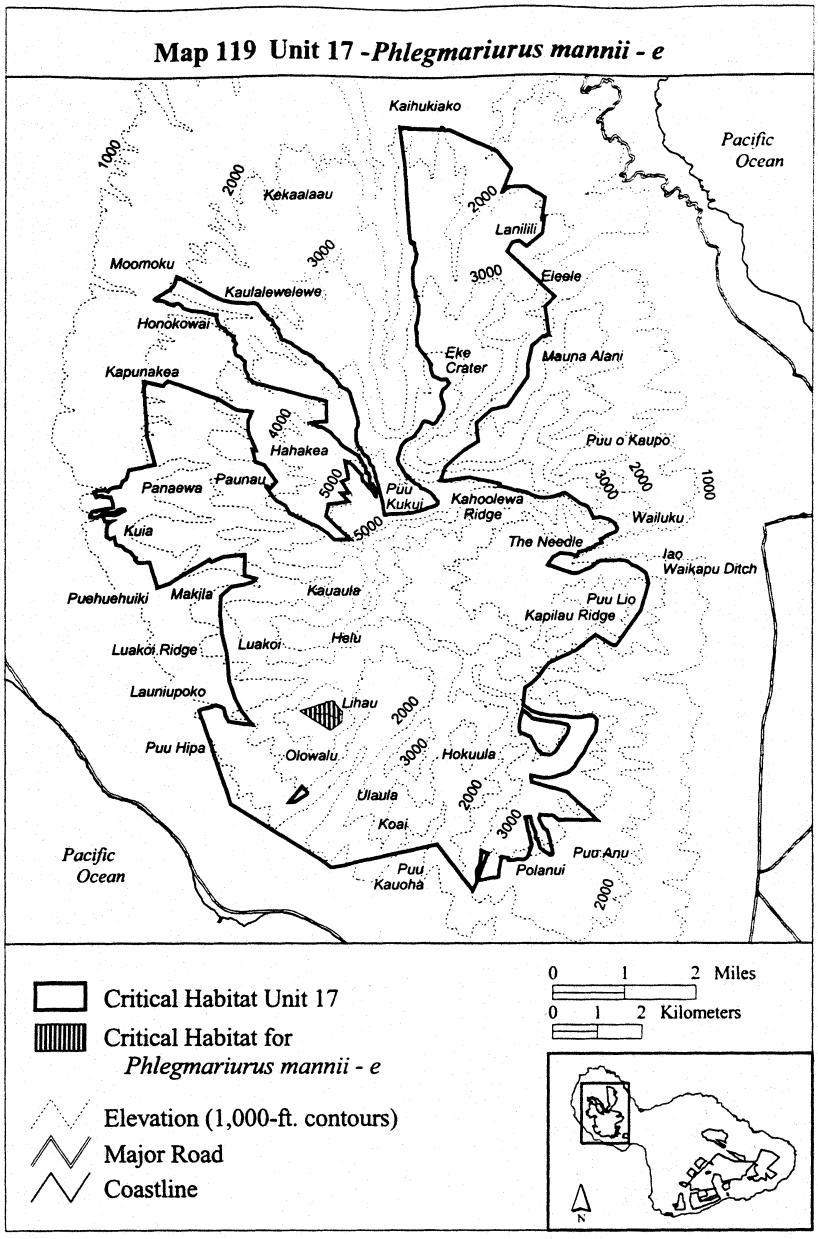
(B) NOTE: Map 118 follows:



(cxix) Maui 17—*Phlegmariurus mannii*—e (35 ha; 87 ac).

(A) Unit consists of the following 5 boundary points: Start at 749857, 2307053; 749164, 2307491; 749922, 2307722; 750135, 2307470; 750105, 2307233; return to starting point.

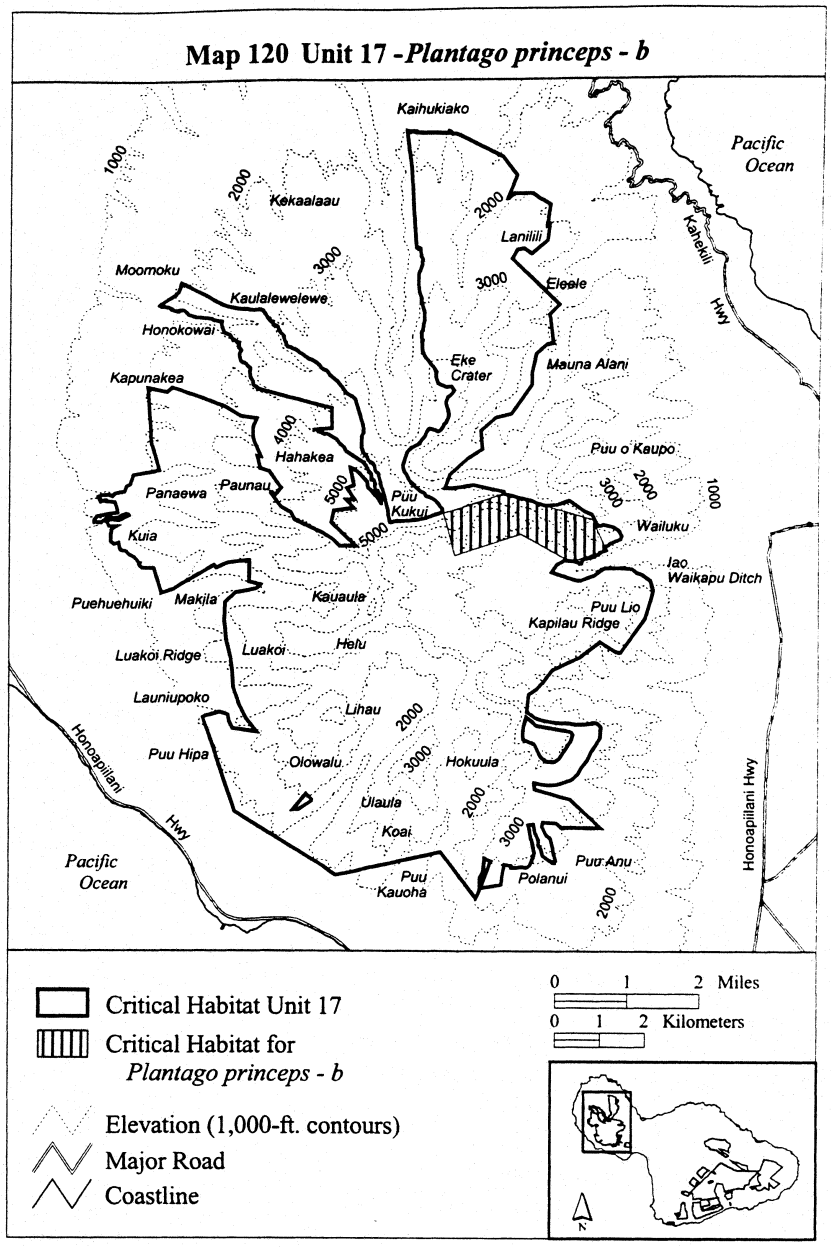
(B) NOTE: Map 119 follows:



(cxx) Maui 17—*Plantago princeps*—b (327 ha; 808 ac).

(A) Unit consists of the following 16 boundary points: Start at 755885, 2311350; 755922, 2311264; 755790, 2311220; 755197, 2311022; 755103, 2311031; 754021, 2311640; 752538, 2311146; 752284, 2312106; 752542, 2312180; 753629, 2312550; 753645, 2312555; 753846, 2312495; 754009, 2312447; 754379, 2312336; 754546, 2312287; 755617, 2311968; return to starting point.

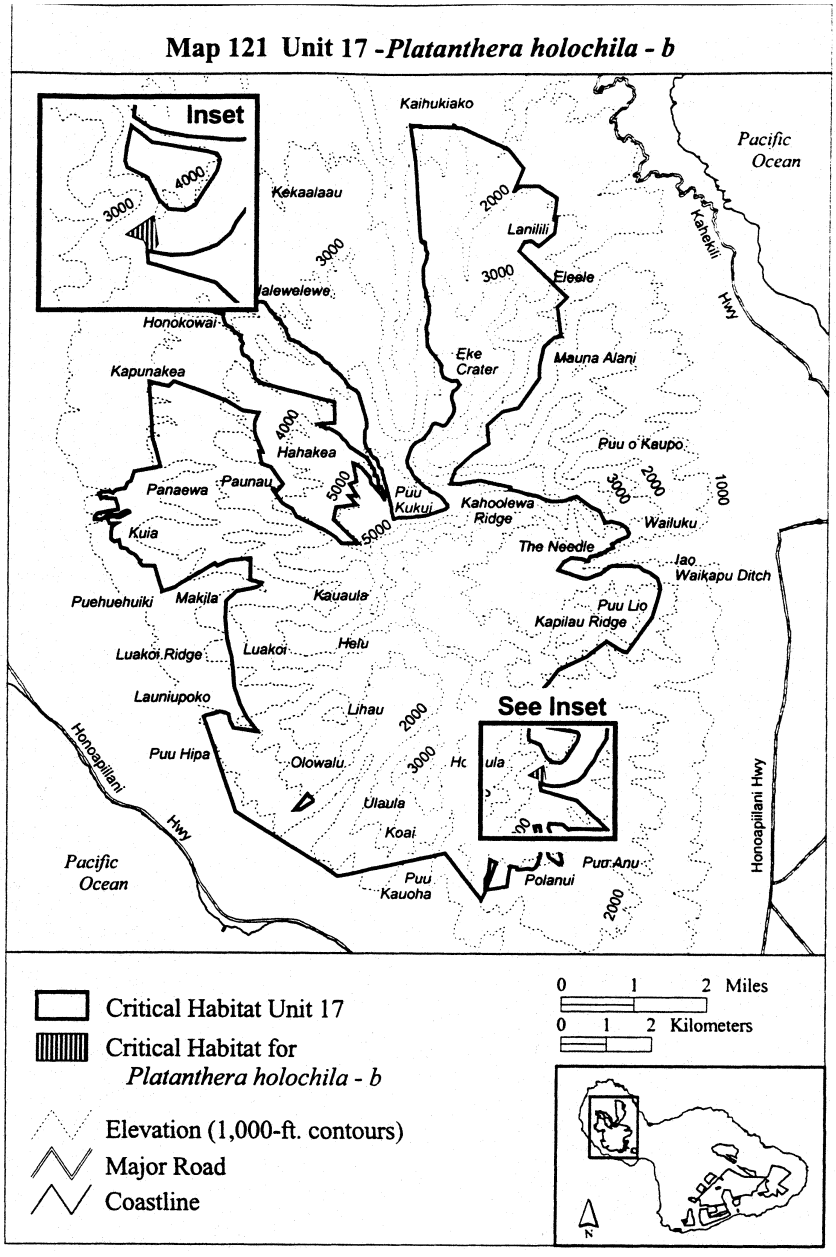
(B) NOTE: Map 120 follows:



(cxxi) Maui 17—*Platanthera holochila*—b (8 ha; 19 ac).

(A) Unit consists of the following 7 boundary points: Start at 754412, 2306019; 754341, 2306032; 754341, 2306031; 754290, 2306152; 754075, 2306222; 754409, 2306447; 754465, 2306113; return to starting point.

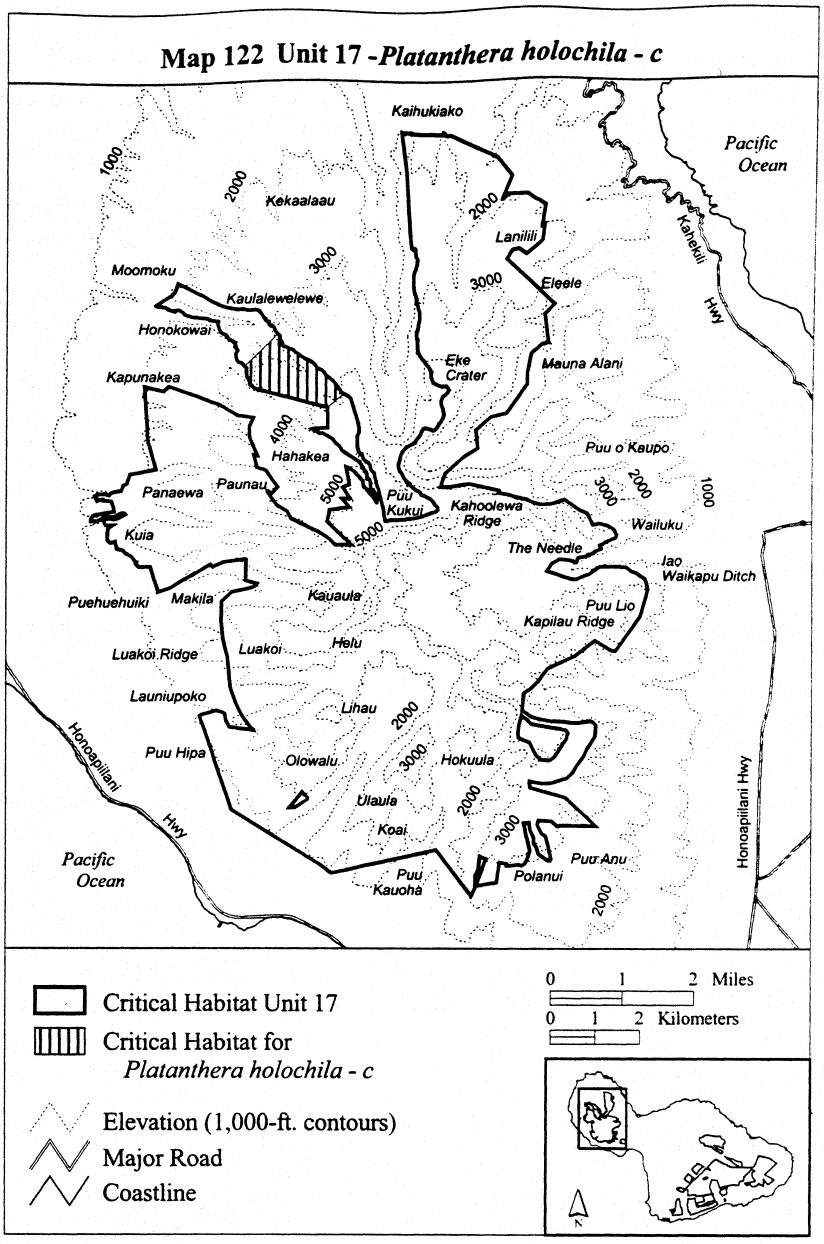
(B) NOTE: Map 121 follows:



(cxxii) Maui 17—*Platanthera holochila*—c (189 ha; 467 ac).

(A) Unit consists of the following 99 boundary points: Start at 749766, 2314500; 748184, 2314906; 748128, 2314930; 748092, 2314946; 748091, 2314947; 748090, 2314947; 748089, 2314948; 748069, 2314973; 748068, 2314973; 748029, 2314987; 748007, 2315005; 748001, 2315029; 748005, 2315065; 748005, 2315083; 747994, 2315106; 747975, 2315127; 747954, 2315161; 747942, 2315193; 747940, 2315201; 747933, 2315253; 747929, 2315289; 747930, 2315329; 747935, 2315356; 747931, 2315379; 747914, 2315403; 747887, 2315423; 747885, 2315426; 748574, 2316083; 748639, 2316154; 748649, 2316141; 748680, 2316102; 748682, 2316095; 748687, 2316079; 748691, 2316057; 748698, 2316026; 748698, 2316025; 748717, 2315987; 748731, 2315953; 748738, 2315922; 748743, 2315901; 748750, 2315885; 748758, 2315876; 748759, 2315875; 748770, 2315868; 748796, 2315863; 748806, 2315862; 748826, 2315861; 748849, 2315847; 748876, 2315834; 748913, 2315824; 748949, 2315807; 748960, 2315800; 749000, 2315773; 749021, 2315756; 749067, 2315724; 749090, 2315709; 749140, 2315671; 749173, 2315647; 749188, 2315640; 749205, 2315627; 749223, 2315614; 749244, 2315605; 749315, 2315575; 749336, 2315565; 749353, 2315555; 749385, 2315535; 749404, 2315524; 749421, 2315514; 749470, 2315477; 749479, 2315464; 749486, 2315451; 749500, 2315430; 749524, 2315402; 749550, 2315385; 749571, 2315373; 749617, 2315351; 749628, 2315342; 749652, 2315326; 749666, 2315306; 749677, 2315288; 749682, 2315280; 749701, 2315256; 749720, 2315236; 749736, 2315224; 749781, 2315186; 749797, 2315177; 749814, 2315164; 749833, 2315147; 749874, 2315098; 749888, 2315088; 749934, 2315046; 749960, 2315009; 750020, 2314928; 750057, 2314876; 750072, 2314855; 750097, 2314830; 750120, 2314809; 750138, 2314798; 750139, 2314798; return to starting point.

(B) NOTE: Map 122 follows:

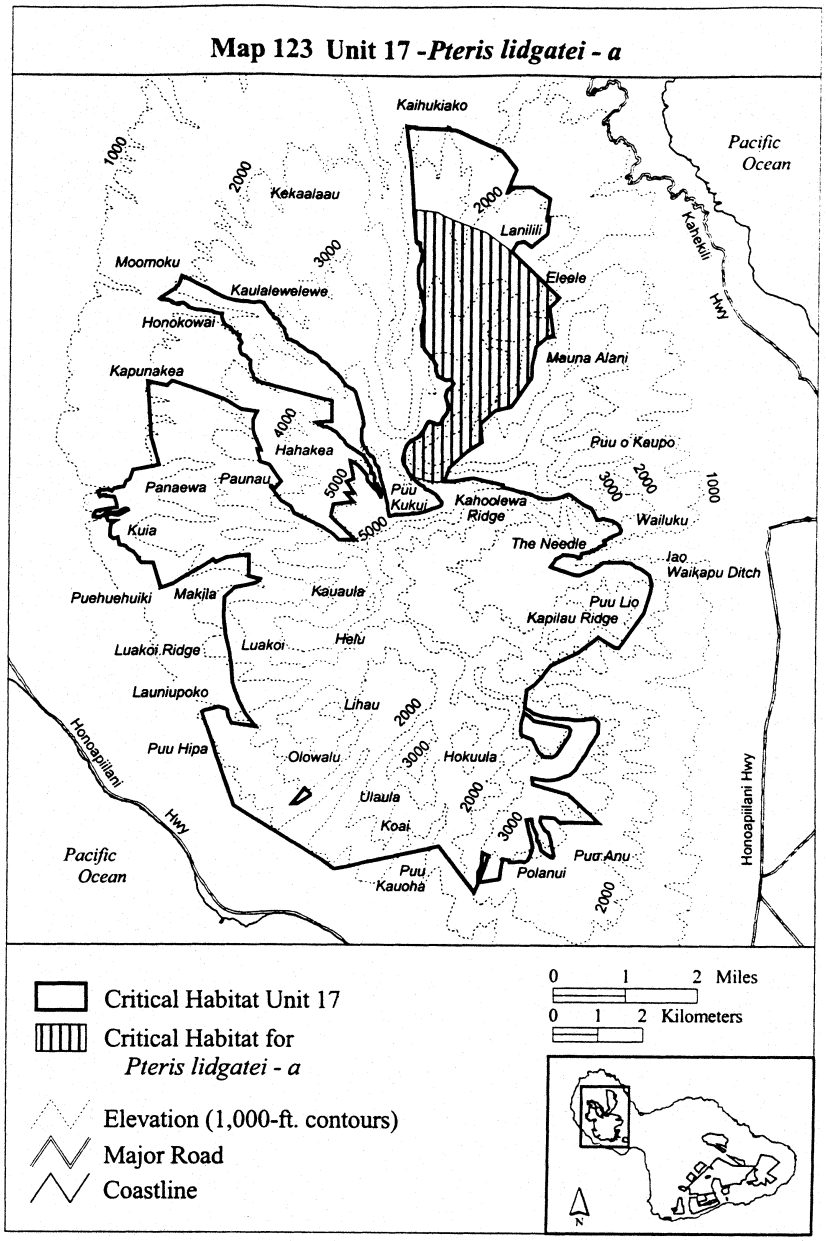


(cxxiii) Maui 17—*Pteris lidgatei*—a (1,168 ha; 2,887 ac).

(A) Unit consists of the following 211 boundary points: Start at 751582, 2312795; 751577, 2312796; 751528, 2312835; 751509, 2312866; 751494, 2312898; 751477, 2312924; 751470, 2312949; 751455, 2312970; 751447, 2312990; 751430, 2313008; 751409,

2313034; 751396, 2313055; 751392, 2313077; 751379, 2313115; 751372, 2313144; 751371, 2313166; 751372, 2313195; 751376, 2313220; 751378, 2313242; 751391, 2313266; 751395, 2313289; 751399, 2313300; 751407, 2313325; 751423, 2313372; 751434, 2313402; 751442, 2313431; 751445, 2313445; 751458, 2313470; 751460, 2313473; 751483, 2313503; 751510, 2313537; 751525, 2313552; 751530, 2313556; 751547, 2313568; 751557, 2313585; 751561, 2313589; 751596, 2313611; 751632, 2313629; 751663, 2313639; 751692, 2313653; 751724, 2313678; 751730, 2313685; 751736, 2313691; 751741, 2313698; 751753, 2313712; 751774, 2313739; 751802, 2313779; 751812, 2313796; 751834, 2313826; 751848, 2313852; 751858, 2313865; 751891, 2313928; 751915, 2313975; 751943, 2314006; 751962, 2314018; 751999, 2314023; 752033, 2314016; 752081, 2313996; 752123, 2313971; 752153, 2313965; 752154, 2313965; 752187, 2313971; 752206, 2313984; 752220, 2314004; 752241, 2314040; 752255, 2314066; 752280, 2314106; 752298, 2314135; 752326, 2314169; 752350, 2314207; 752375, 2314234; 752375, 2314235; 752380, 2314285; 752390, 2314310; 752394, 2314322; 752394, 2314323; 752390, 2314361; 752385, 2314401; 752376, 2314456; 752359, 2314508; 752350, 2314542; 752334, 2314592; 752332, 2314632; 752340, 2314668; 752351, 2314710; 752369, 2314743; 752392, 2314761; 752420, 2314774; 752451, 2314798; 752466, 2314821; 752482, 2314848; 752505, 2314885; 752505, 2314886; 752505, 2314887; 752495, 2314905; 752453, 2314975; 752453, 2314976; 752448, 2314976; 752453, 2314984; 752376, 2314996; 752366, 2314973; 752362, 2314970; 752342, 2314967; 752250, 2315013; 752158, 2315058; 752138, 2315091; 752117, 2315151; 752108, 2315196; 752103, 2315252; 752113, 2315300; 752112, 2315302; 752096, 2315325; 752085, 2315344; 752070, 2315374; 752051, 2315406; 752026, 2315438; 751991, 2315478; 751949, 2315532; 751900, 2315589; 751856, 2315640; 751831, 2315694; 751805, 2315739; 751802, 2315745; 751780, 2316007; 751791, 2316023; 751792, 2316024; 751792, 2316025; 751785, 2316046; 751774, 2316078; 751771, 2316121; 751767, 2316164; 751778, 2316192; 751794, 2316230; 751799, 2316258; 751807, 2316311; 751812, 2316339; 751828, 2316408; 751840, 2316469; 751842, 2316535; 751836, 2316587; 751832, 2316640; 751828, 2316678; 751828, 2316679; 751812, 2316711; 751793, 2316765; 751774, 2316831; 751763, 2316879; 751754, 2316929; 751744, 2317001; 751727, 2317051; 751703, 2317090; 751693, 2317225; 751691, 2317254; 751693, 2317261; 751698, 2317290; 751694, 2317322; 751695, 2317366; 751697, 2317415; 751702, 2317462; 751715, 2317522; 751728, 2317571; 751747, 2317619; 751767, 2317682; 751769, 2317710; 751778, 2317751; 751782, 2317790; 751782, 2317791; 751769, 2317829; 751750, 2317859; 751741, 2317901; 751738, 2317949; 751738, 2317997; 751730, 2318034; 751729, 2318035; 751714, 2318045; 751713, 2318046; 751712, 2318046; 751690, 2318034; 751665, 2318030; 751651, 2318051; 751640, 2318085; 751632, 2318124; 751632, 2318131; 751630, 2318160; 751587, 2318788; 752124, 2318723; 752171, 2318701; 752172, 2318700; 752441, 2318572; 753228, 2318261; 753719, 2317901; 753788, 2317835; 754546, 2317117; 754543, 2317112; 754622, 2317045; 754855, 2316824; 754646, 2316585; 754736, 2315958; 754586, 2315928; 754347, 2315718; 754257, 2315300; 754257, 2315031; 753809, 2314373; 753450, 2314284; 753121, 2313985; 753151, 2313566; 752822, 2313357; 752434, 2312998; 752317, 2312676; 752314, 2312669; 752040, 2312664; return to starting point.

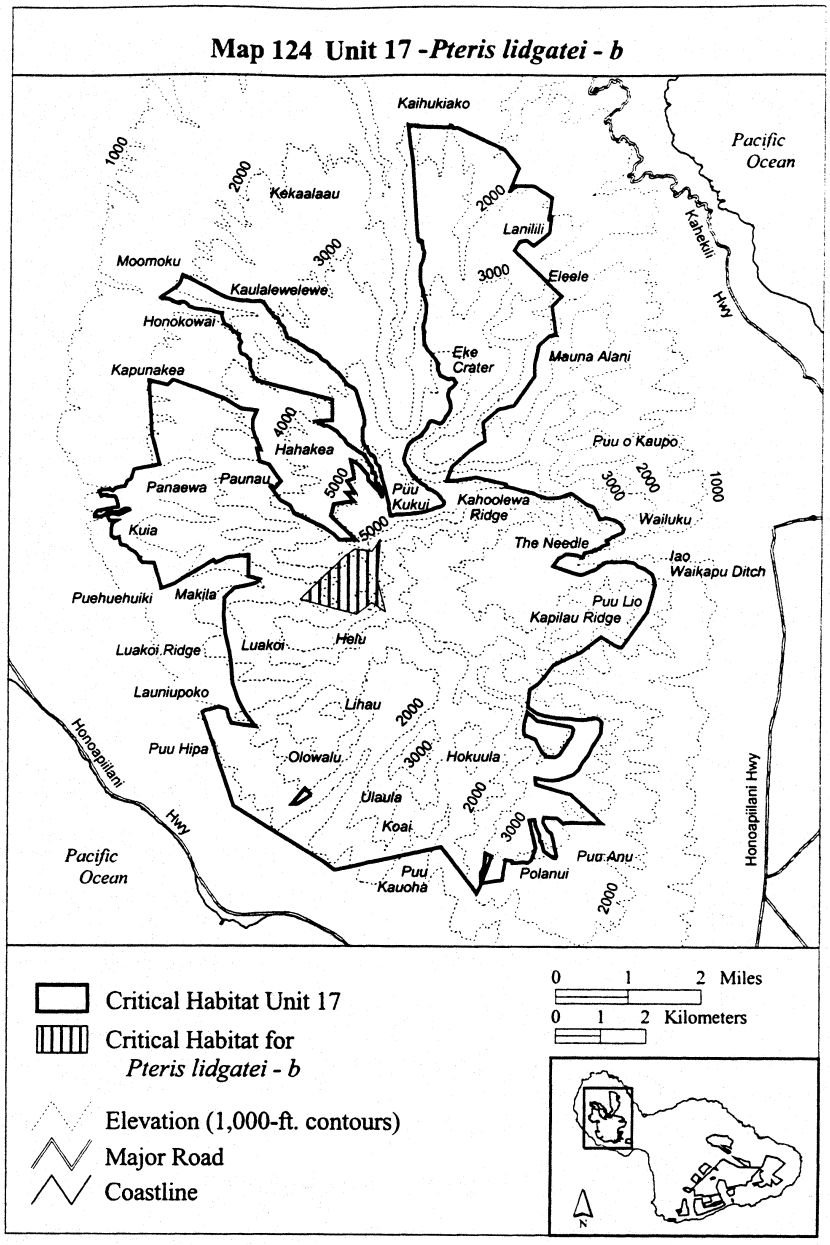
(B) NOTE: Map 123 follows:



(cxxiv) Maui 17—*Pteris lidgatei*—b (164 ha; 404 ac).

(A) Unit consists of the following 9 boundary points: Start at 750072, 2310995; 750282, 2311145; 750670, 2311085; 750850, 2311354; 750790, 2310427; 750969, 2309740; 750670, 2309949; 750341, 2309680; 749086, 2310009; return to starting point.

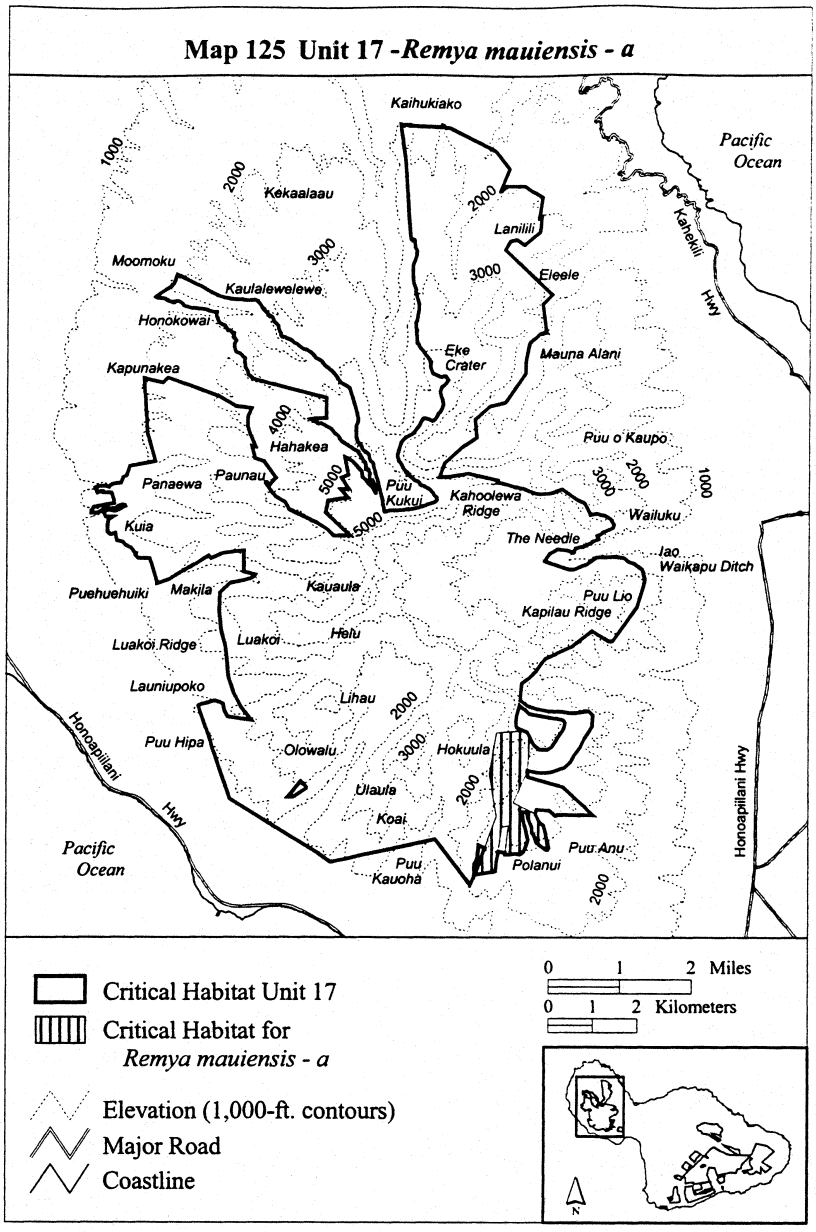
(B) NOTE: Map 124 follows:



(cxxv) Maui 17—*Remya mauiensis*—a (228 ha; 564 ac).

(A) Unit consists of the following 61 boundary points: Start at 754336, 2306037; 754335, 2306032; 754334, 2306014; 754022, 2305314; 754484, 2305080; 754534, 2305022; 754537, 2305016; 754540, 2305011; 754621, 2304863; 754699, 2304812; 754773, 2304280; 754776, 2304259; 754769, 2304263; 754670, 2304324; 754605, 2304364; 754603, 2304366; 754542, 2304415; 754499, 2304541; 754356, 2305091; 754320, 2305103; 754319, 2305108; 754309, 2305107; 754122, 2305169; 754172, 2305069; 754235, 2304991; 754238, 2304988; 754242, 2304971; 754278, 2304785; 754282, 2304767; 754312, 2304638; 754336, 2304537; 754343, 2304451; 754343, 2304450; 754342, 2304448; 754333, 2304422; 754327, 2304403; 754279, 2304263; 754165, 2304205; 754078, 2304169; 753828, 2304146; 753911, 2304797; 753750, 2304769; 753606, 2303761; 753602, 2303760; 753576, 2303756; 753552, 2303751; 753534, 2303749; 753531, 2303748; 753515, 2303745; 753154, 2303686; 753252, 2303966; 753304, 2304113; 753310, 2304130; 753365, 2304285; 753367, 2304292; 753628, 2305002; 753472, 2305975; 753622, 2306887; 754189, 2306927; 754311, 2306887; 754387, 2306765; return to starting point.

(B) NOTE: Map 125 follows:

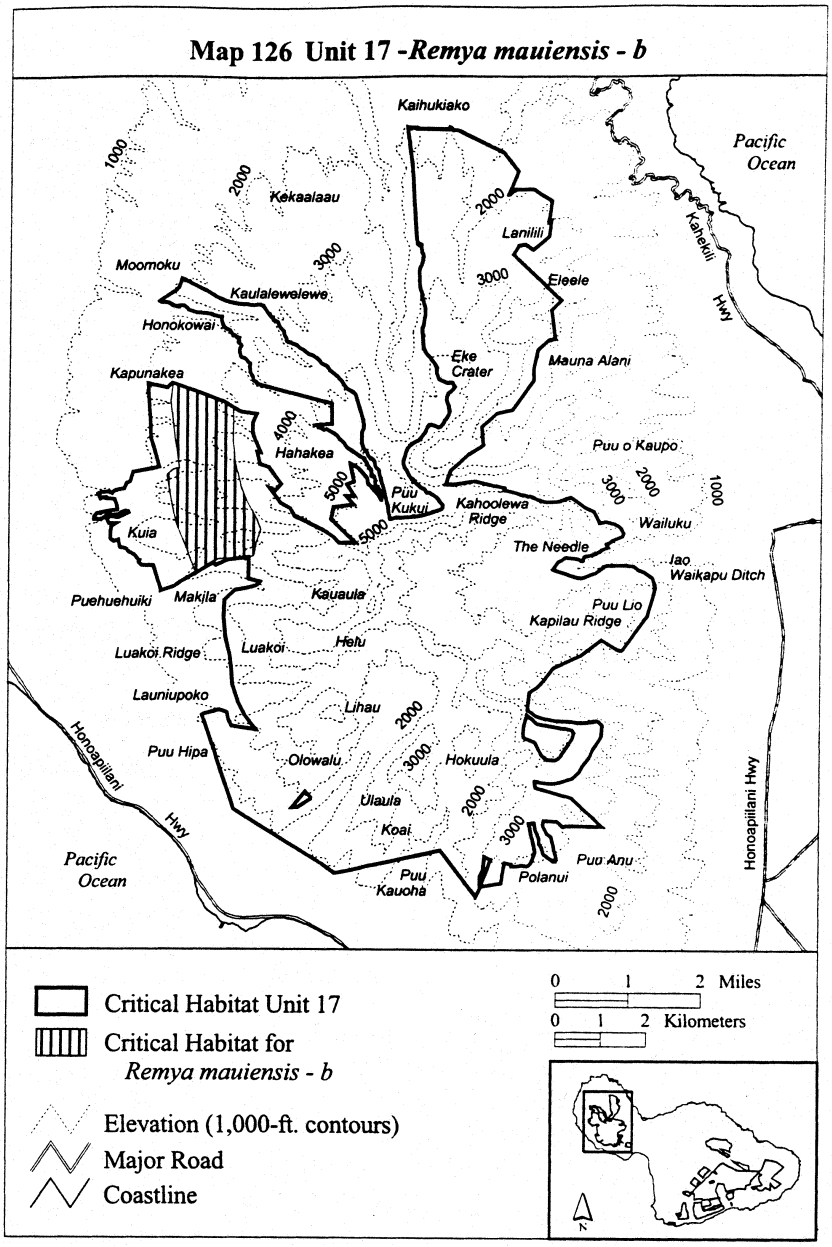


(cxxvi) Maui 17—*remya mauiensis*—b (567 ha; 1,401 ac).

(A) Unit consists of the following 30 boundary points: Start at 746995, 2310813; 746762, 2310659; 746754, 2310674; 746719, 2310734; 746452, 2311437; 746303, 2311773; 746170, 2312397; 746101, 2312866; 746244, 2312994; 746324, 2313016; 746372,

2313015; 746273, 2313672; 746174, 2314527; 746227, 2314946; 746887, 2314706; 747359, 2314534; 747564, 2314406; 747564, 2313642; 747609, 2313176; 747674, 2312935; 747689, 2312936; 747743, 2312584; 747871, 2312291; 748089, 2311885; 748185, 2311619; 748123, 2311444; 748084, 2311336; 748036, 2311038; 747487, 2310984; 747263, 2310990; return to starting point.

(B) NOTE: Map 126 follows:

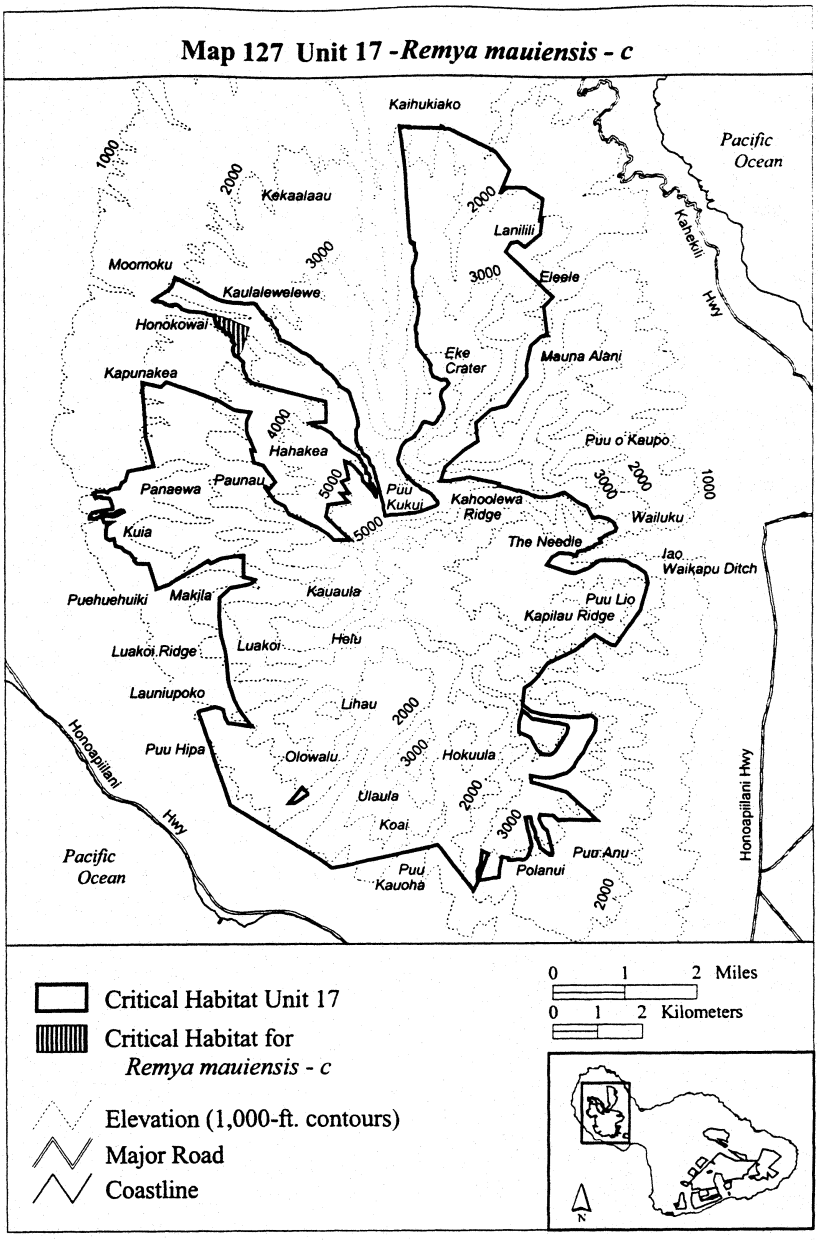


(cxxvii) Maui 17—*Remya mauiensis*—c (32 ha; 78 ac).

(A) Unit consists of the following 52 boundary points: Start at 747792, 2315504; 747750, 2315521; 747726, 2315545; 747722, 2315552; 747704, 2315583; 747698, 2315635; 747693, 2315665; 747695, 2315687; 747702, 2315718; 747713, 2315745; 747728,

2315775; 747729, 2315792; 747729, 2315793; 747717, 2315811; 747717, 2315812; 747697, 2315822; 747681, 2315836; 747675, 2315860; 747677, 2315876; 747681, 2315899; 747681, 2315918; 747667, 2315950; 747648, 2315974; 747620, 2315996; 747585, 2316012; 747546, 2316034; 747526, 2316055; 747508, 2316086; 747494, 2316109; 747476, 2316129; 747447, 2316142; 747409, 2316159; 747389, 2316169; 747365, 2316186; 747345, 2316212; 747336, 2316228; 747328, 2316244; 747312, 2316282; 747299, 2316323; 747290, 2316361; 747289, 2316384; 747289, 2316392; 747296, 2316429; 747296, 2316430; 747296, 2316431; 747295, 2316431; 747296, 2316436; 747510, 2316405; 748060, 2316161; 747945, 2315810; 747915, 2315650; 747824, 2315486; return to starting point.

(B) NOTE: Map 127 follows:

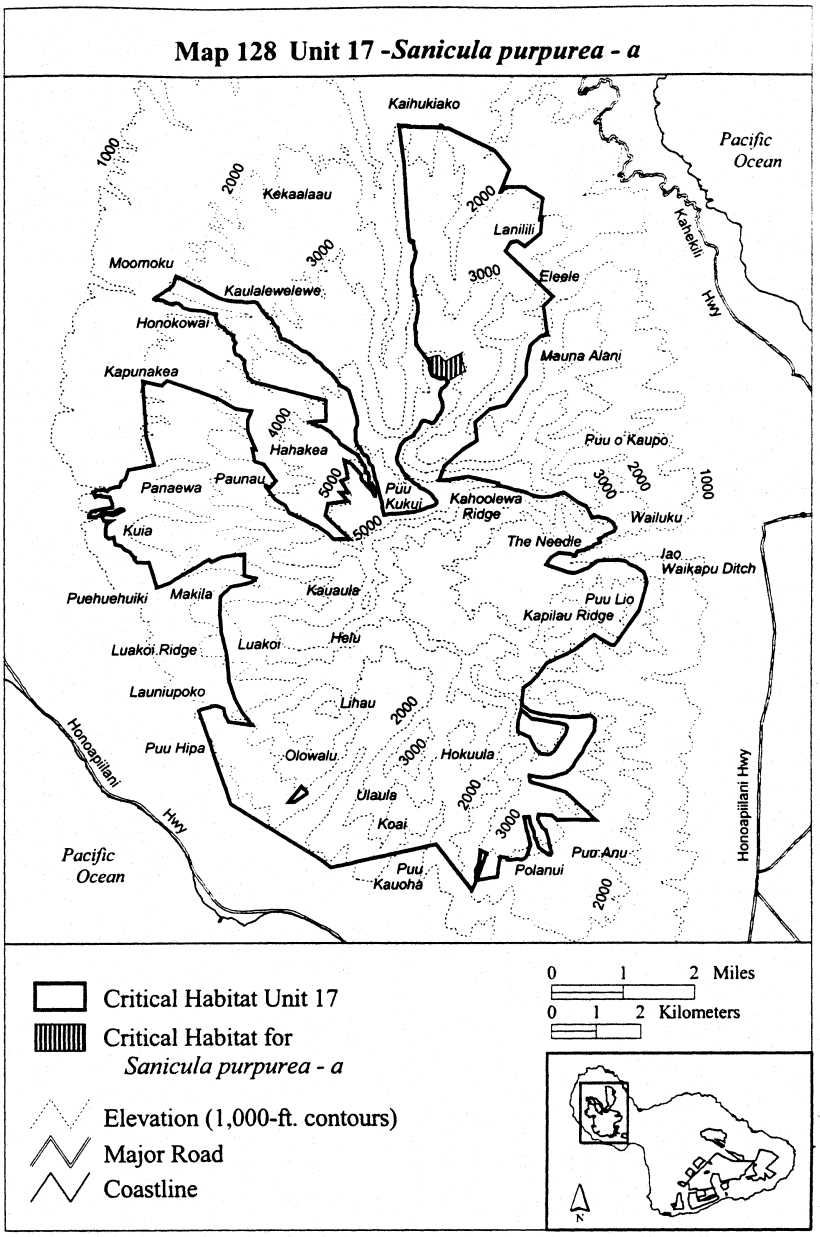


(cxxviii) Maui 17—*Sanicula purpurea*—a (34 ha; 84 ac).

(A) Unit consists of the following 26 boundary points: Start at 752495, 2314905; 752453, 2314975; 752453, 2314976; 752416, 2314975; 752381, 2314973; 752342, 2314967; 752250, 2315013; 752158, 2315058; 752138, 2315091; 752117, 2315151; 752108,

2315196; 752103, 2315252; 752113, 2315300; 752112, 2315302; 752096, 2315325; 752085, 2315344; 752070, 2315374; 752051, 2315406; 752043, 2315416; 752194, 2315469; 752315, 2315502; 752449, 2315352; 752817, 2315548; 752838, 2315319; 752900, 2315143; 752499, 2314898; return to starting point.

(B) NOTE: Map 128 follows:

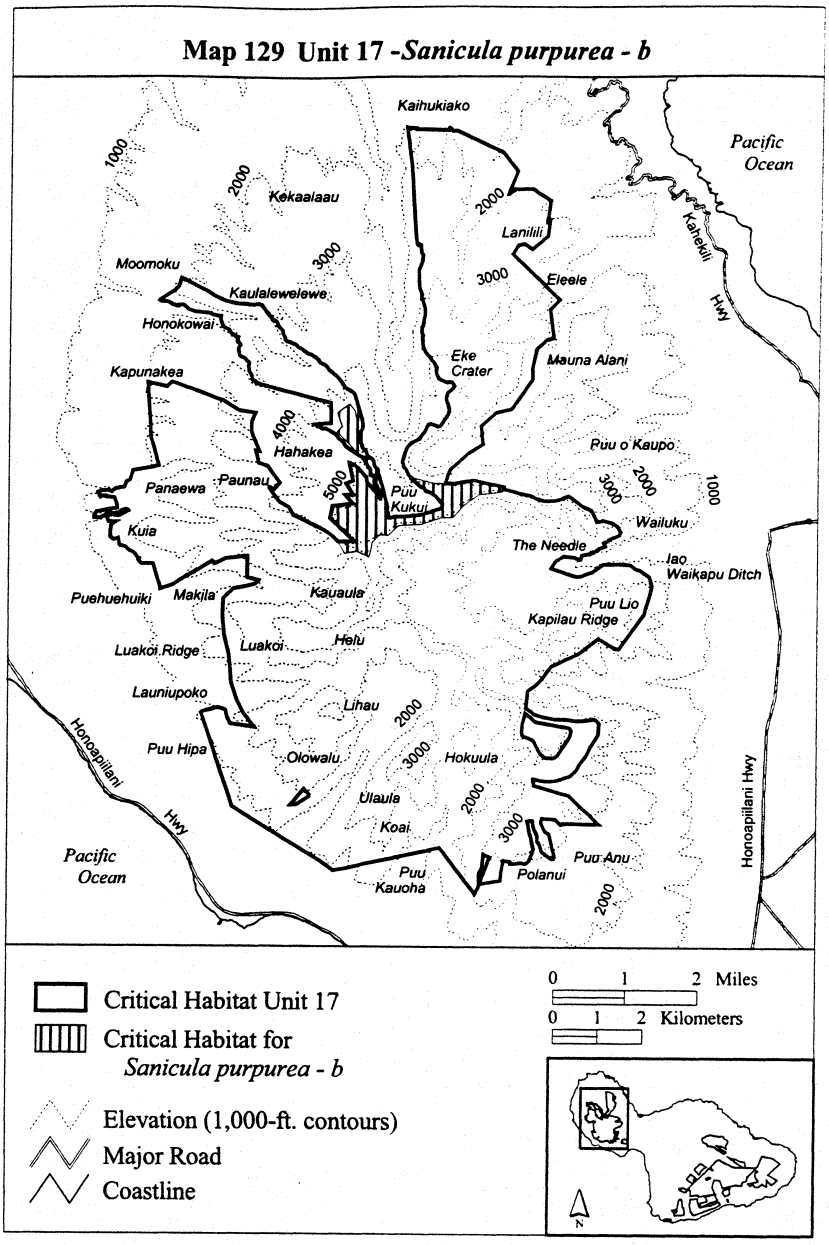


(cxxix) Maui 17—*Sanicula purpurea*—b (306 ha; 756 ac).

(A) Unit consists of the following 270 boundary points: Start at 749939, 2311346; 750305, 2311362; 749759, 2311879; 749818, 2312144; 750261, 2312204; 750099, 2312396; 750276, 2312410; 750113, 2312661; 750261, 2312735; 750185, 2313139; 750220,

2313118; 750265, 2313091; 750306, 2313067; 750358, 2313037; 750373, 2313023; 750566, 2312802; 750568, 2312798; 750565, 2312761; 750564, 2312729; 750574, 2312687; 750574, 2312686; 750581, 2312676; 750586, 2312670; 750636, 2312621; 750675, 2312576; 750701, 2312549; 750729, 2312518; 750733, 2312514; 750763, 2312476; 750804, 2312434; 750835, 2312384; 750877, 2312324; 750877, 2312323; 750878, 2312323; 750879, 2312323; 750880, 2312324; 750889, 2312378; 750889, 2312379; 750885, 2312387; 750887, 2312412; 750887, 2312413; 750876, 2312455; 750851, 2312517; 750819, 2312576; 750799, 2312595; 750799, 2312596; 750798, 2312596; 750757, 2312591; 750749, 2312590; 750747, 2312611; 750734, 2312726; 750739, 2312751; 750739, 2312752; 750730, 2312793; 750712, 2312846; 750711, 2312846; 750711, 2312847; 750691, 2312851; 750690, 2312851; 750687, 2312849; 750671, 2312852; 750654, 2312855; 750651, 2312867; 750650, 2312873; 750649, 2312880; 750650, 2312898; 750652, 2312927; 750658, 2312963; 750658, 2312964; 750636, 2313003; 750632, 2313007; 750567, 2313111; 750565, 2313117; 750562, 2313122; 750571, 2313119; 750482, 2313247; 750468, 2313267; 749907, 2313828; 750025, 2313946; 749907, 2314271; 750187, 2314463; 750305, 2314315; 750379, 2313917; 750339, 2314523; 750386, 2314362; 750414, 2314272; 750454, 2314143; 750461, 2314125; 750462, 2314110; 750462, 2314098; 750469, 2314075; 750476, 2314039; 750478, 2314029; 750479, 2314015; 750481, 2313991; 750479, 2313958; 750479, 2313946; 750479, 2313933; 750476, 2313919; 750468, 2313903; 750450, 2313871; 750441, 2313851; 750441, 2313850; 750438, 2313827; 750440, 2313794; 750439, 2313772; 750436, 2313747; 750437, 2313723; 750437, 2313700; 750439, 2313671; 750438, 2313647; 750435, 2313610; 750436, 2313597; 750436, 2313596; 750441, 2313585; 750451, 2313562; 750456, 2313545; 750463, 2313528; 750465, 2313510; 750469, 2313497; 750469, 2313496; 750477, 2313484; 750491, 2313465; 750505, 2313443; 750510, 2313432; 750515, 2313420; 750526, 2313409; 750541, 2313398; 750551, 2313389; 750560, 2313367; 750565, 2313356; 750572, 2313334; 750578, 2313319; 750591, 2313304; 750609, 2313283; 750640, 2313257; 750643, 2313255; 750652, 2313247; 750674, 2313233; 750689, 2313219; 750704, 2313203; 750713, 2313180; 750725, 2313151; 750736, 2313118; 750747, 2313077; 750753, 2313062; 750767, 2313040; 750774, 2313031; 750792, 2313015; 750803, 2313003; 750815, 2312997; 750834, 2312921; 750866, 2312797; 750864, 2312784; 750864, 2312768; 750864, 2312767; 750868, 2312756; 750877, 2312736; 750881, 2312727; 750882, 2312717; 750888, 2312691; 750895, 2312668; 750904, 2312647; 750904, 2312646; 750905, 2312646; 751008, 2312240; 751038, 2312126; 751038, 2312124; 751038, 2312088; 751038, 2312083; 751034, 2312059; 751040, 2312045; 751059, 2311963; 751065, 2311938; 751066, 2311935; 751077, 2311889; 751077, 2311888; 751078, 2311887; 751079, 2311887; 751095, 2311890; 751115, 2311894; 751125, 2311897; 751154, 2311907; 751190, 2311915; 751210, 2311916; 751266, 2311917; 751317, 2311916; 751353, 2311910; 751415, 2311923; 751455, 2311926; 751502, 2311927; 751574, 2311945; 751610, 2311953; 751637, 2311945; 751638, 2311945; 751682, 2311949; 751730, 2311960; 751772, 2311971; 751845, 2311984; 751888, 2311992; 751889, 2311992; 751963, 2312014; 752001, 2312036; 752045, 2312060; 752095, 2312064; 752133, 2312081; 752177, 2312098; 752226, 2312119; 752255, 2312146; 752255, 2312147; 752257, 2312154; 752258, 2312161; 752260, 2312173; 752260, 2312174; 752259, 2312178; 752259, 2312186; 752255, 2312201; 752254, 2312203; 752242, 2312224; 752209, 2312264; 752181, 2312294; 752174, 2312305; 752146, 2312343; 752130, 2312360; 752109, 2312384; 752089, 2312404; 752052, 2312430; 752018, 2312454; 751992, 2312468; 751944, 2312486; 751906, 2312492; 751887, 2312501; 751874, 2312514; 751860, 2312545; 751852, 2312558; 751828, 2312576; 751812, 2312583; 751790, 2312588; 751769, 2312599; 751747, 2312616; 751708, 2312656; 751683, 2312672; 751660, 2312697; 751625, 2312730; 751609, 2312742; 751590, 2312761; 751567, 2312785; 751582, 2312795; 751605, 2312809; 752078, 2312676; 752317, 2312676; 752521, 2312676; 752964, 2312750; 753643, 2312602; 753629, 2312550; 753611, 2312482; 753082, 2312425; 752728, 2312174; 752491, 2311908; 752255, 2311908; 751812, 2311746; 751295, 2311716; 751059, 2311495; 750881, 2311509; 750704, 2311347; 750630, 2311007; 750360, 2311126; 750081, 2311078; 749999, 2311246; 749928, 2311346; return to starting point.

(B) NOTE: Map 129 follows:

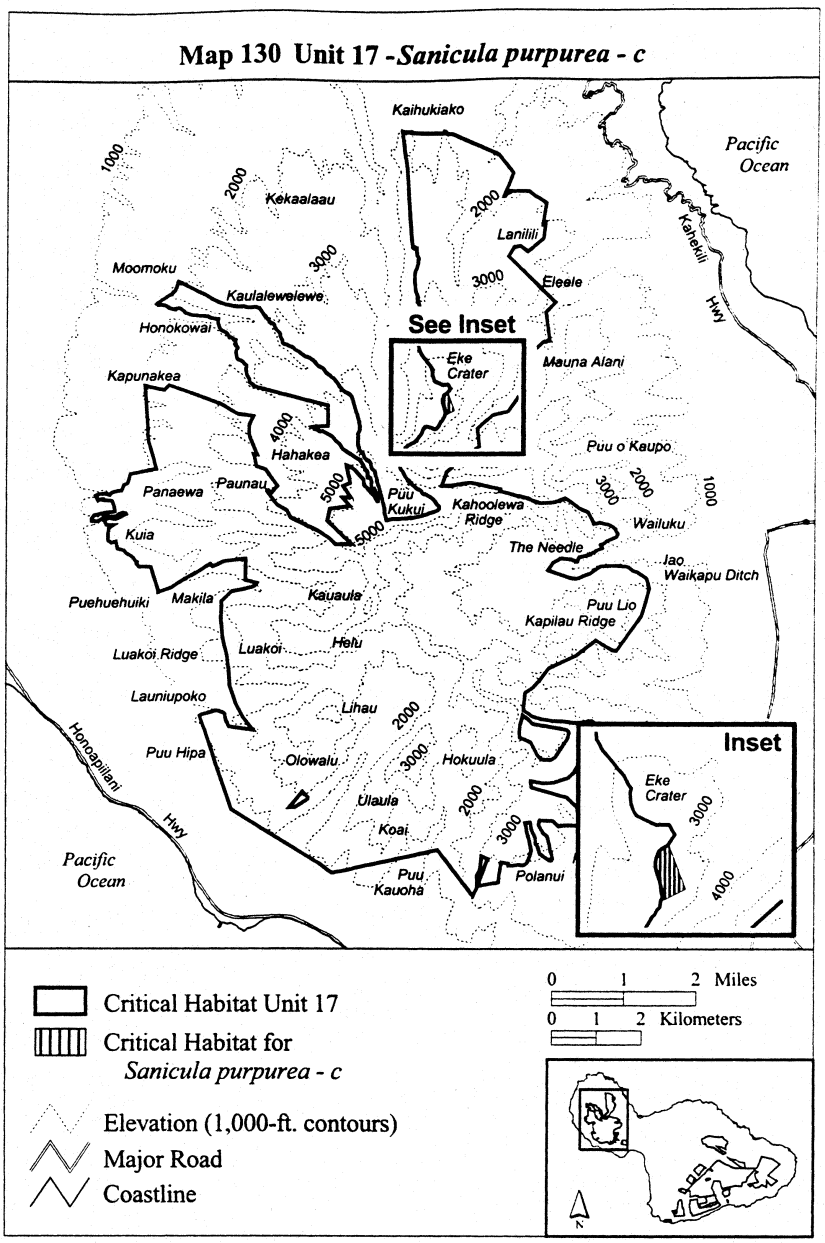


(cxxx) Maui 17—*Sanicula purpurea*—c (8 ha; 19 ac).

(A) Unit consists of the following 19 boundary points: Start at 752386, 2314300; 752390, 2314310; 752394, 2314322; 752394, 2314323; 752390, 2314361; 752385, 2314401; 752376, 2314456; 752359, 2314508; 752350, 2314542; 752334, 2314592; 752332,

2314632; 752340, 2314668; 752351, 2314710; 752369, 2314743; 752392, 2314761; 752420, 2314774; 752448, 2314795; 752604, 2314395; 752382, 2314282; return to starting point.

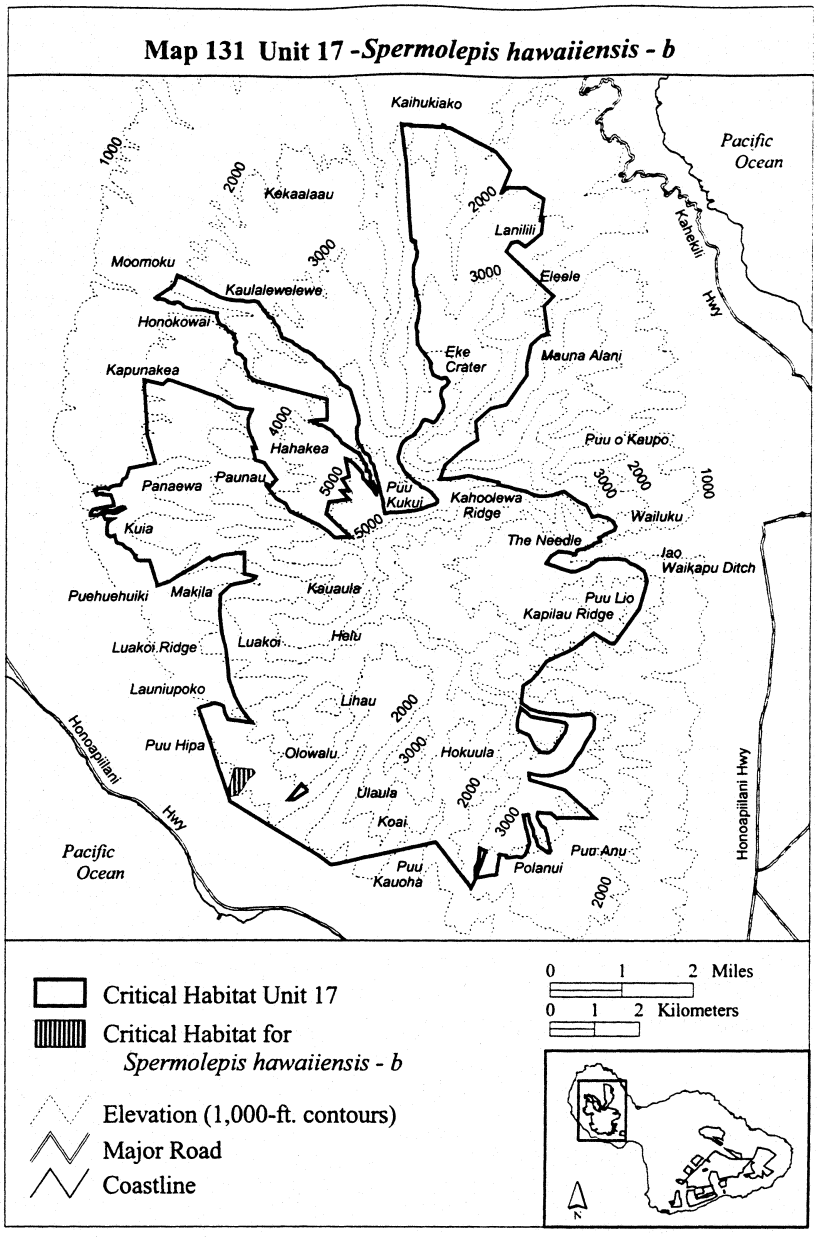
(B) NOTE: Map 130 follows:



(cxxxi) Maui 17—*Spermolepis hawaiiensis*—b (23 ha; 56 ac).

(A) Unit consists of the following 15 boundary points: Start at 747559, 2305612; 747617, 2305791; 747703, 2306156; 747789, 2306167; 747843, 2306153; 747942, 2306144; 748010, 2306130; 748096, 2306137; 748170, 2306086; 748184, 2306061; 748161, 2306016; 748049, 2305919; 747908, 2305689; 747771, 2305547; 747640, 2305517; return to starting point.

(B) NOTE: Map 131 follows:



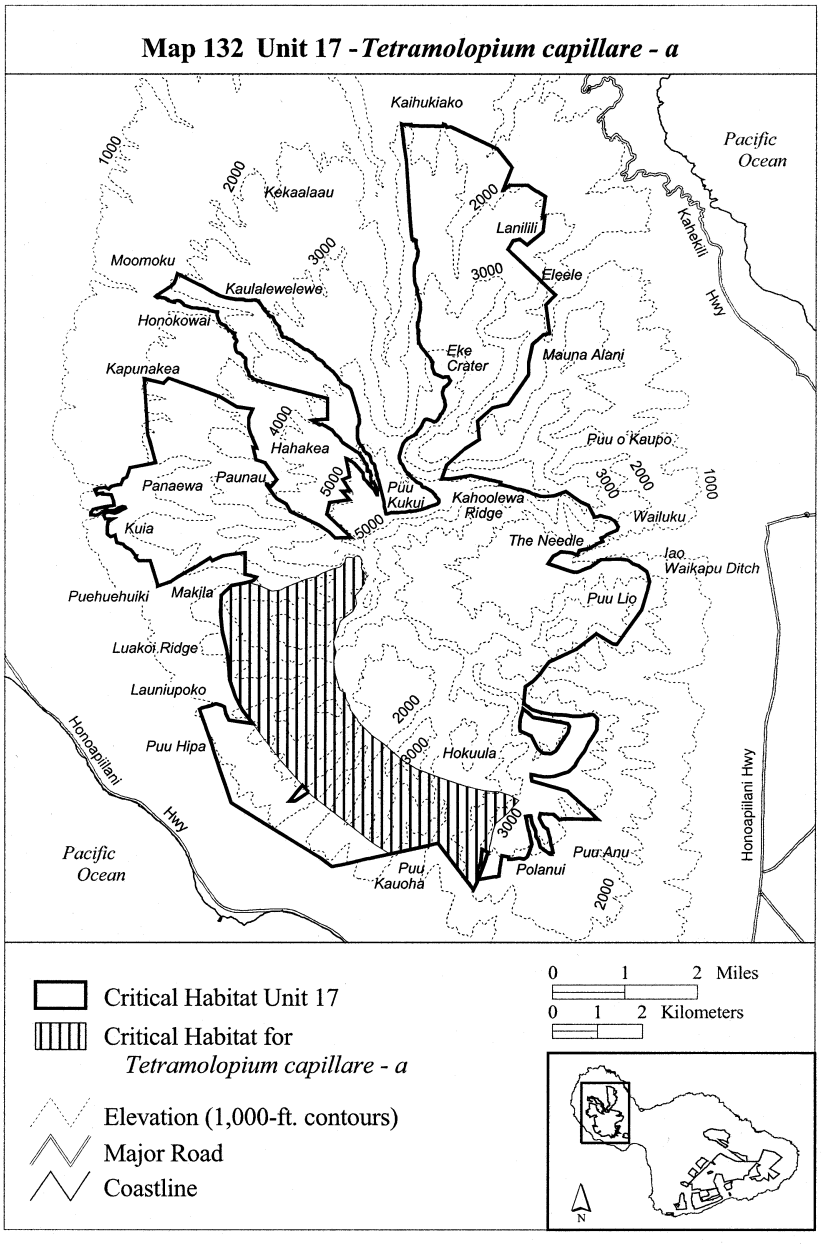
(cxxxii) Maui 17—*Tetramolopium capillare*—a (1,783 ha; 4,405 ac).

(A) Unit consists of the following 106 boundary points: Start at 753165, 2303717; 753304, 2304113; 753310, 2304130; 753365, 2304285; 753367, 2304292; 753234, 2304365; 753213, 2304104; 753136, 2303909; 753136, 2303821; 753136, 2303653; 753134,

2303650; 753042, 2303454; 752244, 2304494; 752075, 2304457; 751171, 2304258; 750787, 2304513; 750132, 2305024; 749428, 2305569; 749226, 2305793; 748731, 2306342; 748269, 2306956; 748096, 2307179; 747868, 2307474; 747703, 2307791; 747578, 2308164; 747558, 2308516; 747523, 2308819; 747420, 2309233; 747378, 2309647; 747392, 2310068; 747618, 2310281; 747935, 2310342; 747979, 2310351; 748255, 2310282; 748531, 2310151; 748738, 2310172; 748844, 2310234; 749327, 2310432; 749542, 2310481; 749646, 2310558; 749937, 2310662; 750058, 2310701; 750146, 2310783; 750157, 2310794; 750168, 2310853; 750181, 2310898; 750231, 2310909; 750364, 2310903; 750415, 2310935; 750473, 2310938; 750521, 2310903; 750537, 2310855; 750542, 2310826; 750524, 2310786; 750524, 2310648; 750566, 2310619; 750648, 2310507; 750656, 2310478; 750627, 2310436; 750582, 2310409; 750574, 2310385; 750590, 2310361; 750601, 2310316; 750582, 2310287; 750555, 2310253; 750534, 2310213; 750502, 2310197; 750509, 2310184; 750399, 2310047; 750432, 2309865; 750350, 2309706; 750179, 2309579; 750058, 2309475; 749910, 2308997; 749965, 2308782; 749916, 2308579; 749932, 2308442; 749954, 2308271; 750042, 2307941; 750166, 2307867; 750187, 2307736; 750256, 2307612; 750284, 2307494; 750442, 2307287; 750465, 2307217; 750753, 2306922; 751036, 2306728; 751439, 2306361; 751774, 2306157; 752327, 2305947; 752871, 2305768; 753260, 2305683; 753470, 2305652; 753563, 2305652; 753626, 2305636; 753874, 2305566; 754007, 2305496; 754053, 2305450; 753820, 2305169; 753540, 2304928; 753462, 2304711; 753427, 2304482; 753399, 2304426; 753396, 2304292; 753299, 2304046; 753237, 2303876; return to starting point.

(B) Excluding the area bounded by the following 11 boundary points (6ha; 15ac): Start at 749362, 2305641; 749057, 2305433; 748930, 2305439; 749226, 2305793; 749363, 2305641; 749363, 2305641; 749363, 2305641; 749363, 2305641; 749363, 2305641; 749362, 2305640; return to starting point.

(C) NOTE: Map 132 follows:

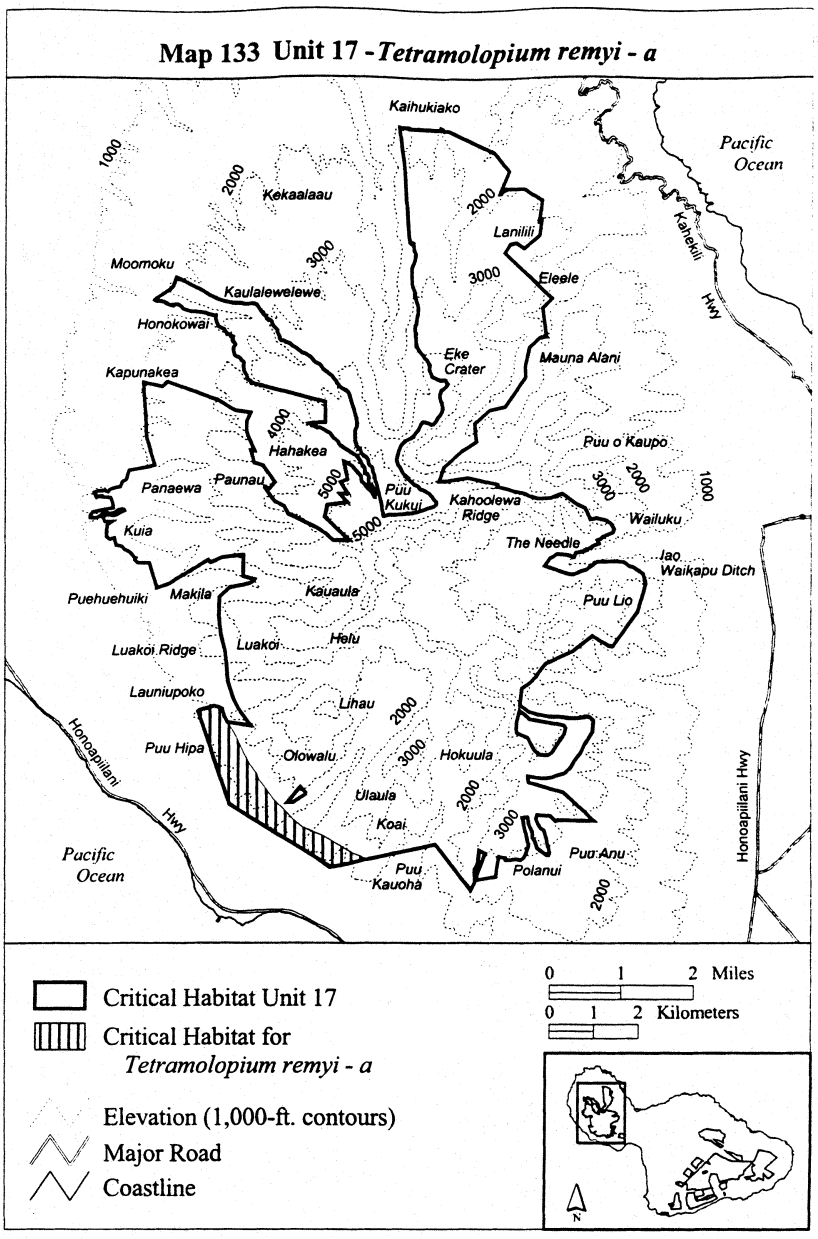


(cxxxiii) Maui 17—*Tetramolopium remyi*—a (288 ha; 711 ac).

(A) Unit consists of the following 34 boundary points: Start at 750702, 2304154; 750687, 2304151; 750686, 2304151; 750680, 2304150; 749916, 2304019; 748359, 2304949; 747628, 2305445; 747343, 2306214; 747283, 2306377; 747263, 2306446; 747206,

2306648; 747191, 2306692; 746912, 2307495; 746967, 2307530; 747135, 2307579; 747275, 2307621; 747405, 2307590; 747464, 2307541; 747496, 2307408; 747571, 2307254; 747576, 2307243; 747664, 2307114; 747769, 2306921; 747937, 2306568; 748094, 2306298; 748227, 2306099; 748294, 2305966; 748613, 2305521; 748914, 2305226; 749056, 2305056; 749264, 2304887; 749718, 2304706; 750413, 2304302; 750566, 2304230; return to starting point.

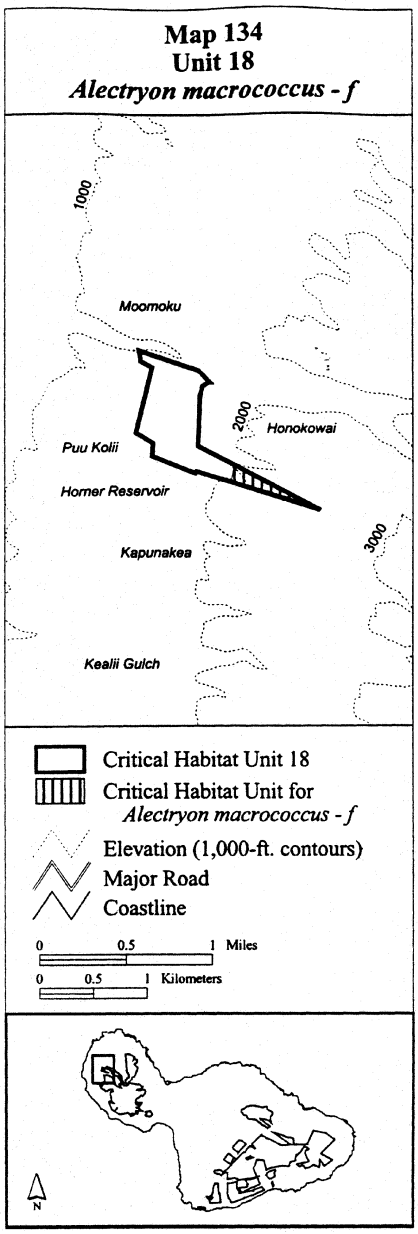
(B) NOTE: Map 133 follows:



(cxxxiv) Maui 18—*Alectryon macrococcus*—f (7 ha; 18 ac).

(A) Unit consists of the following 7 boundary points: Start at 745986, 2315882; 746238, 2315748; 746249, 2315743; 746785, 2315459; 746095, 2315676; 746082, 2315680; 745946, 2315723; return to starting point.

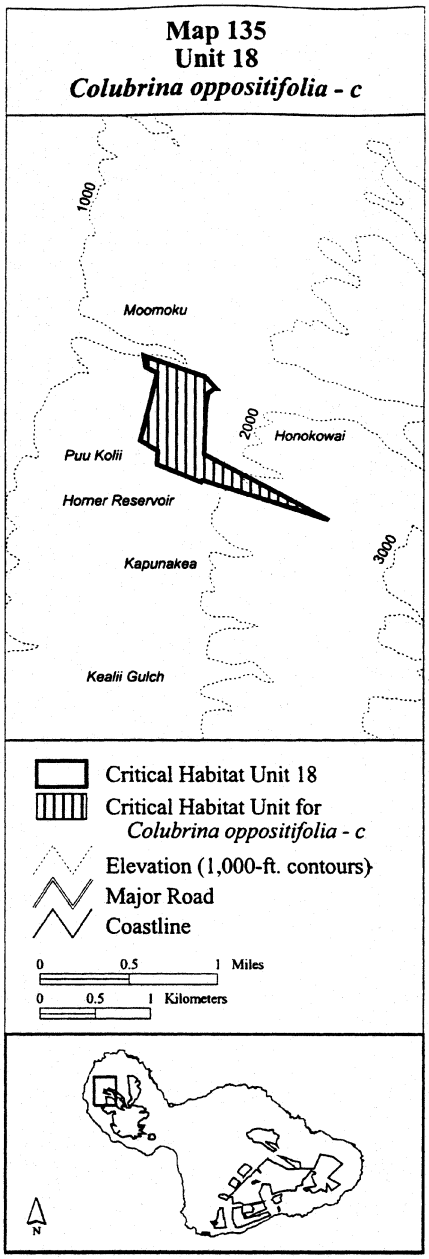
(B) NOTE: Map 134 follows:



(cxxxv) Maui 18—*Colubrina oppositifolia*—c (64 ha; 157 ac).

(A) Unit consists of the following 34 boundary points: Start at 745633, 2315799; 745216, 2315967; 745220, 2316095; 745062, 2316193; 745156, 2316554; 745218, 2316810; 745110, 2316866; 745095, 2316969; 745651, 2316773; 745745, 2316673; 745748, 2316670; 745741, 2316666; 745700, 2316637; 745682, 2316625; 745668, 2316564; 745666, 2316551; 745660, 2316498; 745660, 2316496; 745660, 2316495; 745656, 2316346; 745650, 2316196; 745644, 2316064; 745644, 2316063; 745645, 2316063; 746238, 2315748; 746249, 2315743; 746713, 2315497; 746710, 2315483; 746095, 2315676; 746082, 2315680; 745637, 2315820; 745636, 2315820; 745635, 2315819; 745634, 2315807; return to starting point.

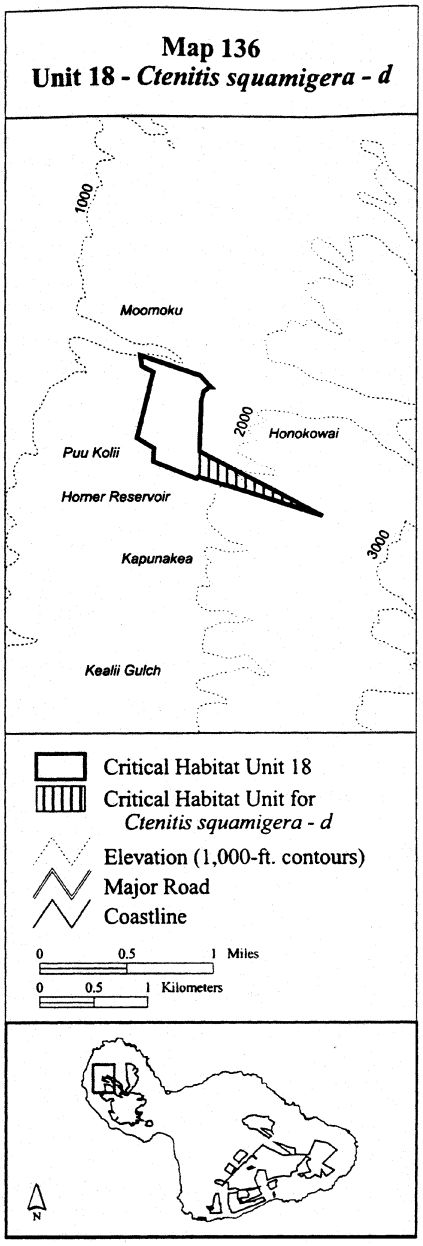
(B) NOTE: Map 135 follows:



(cxxxvi) Maui 18—*Ctenitis squamigera*—d (14 ha; 35 ac).

(A) Unit consists of the following 13 boundary points: Start at 745644, 2316064; 745644, 2316063; 745645, 2316063; 746238, 2315748; 746249, 2315743; 746785, 2315459; 746095, 2315676; 746082, 2315680; 745637, 2315820; 745636, 2315820; 745635, 2315819; 745641, 2316066; 745644, 2316067; return to starting point.

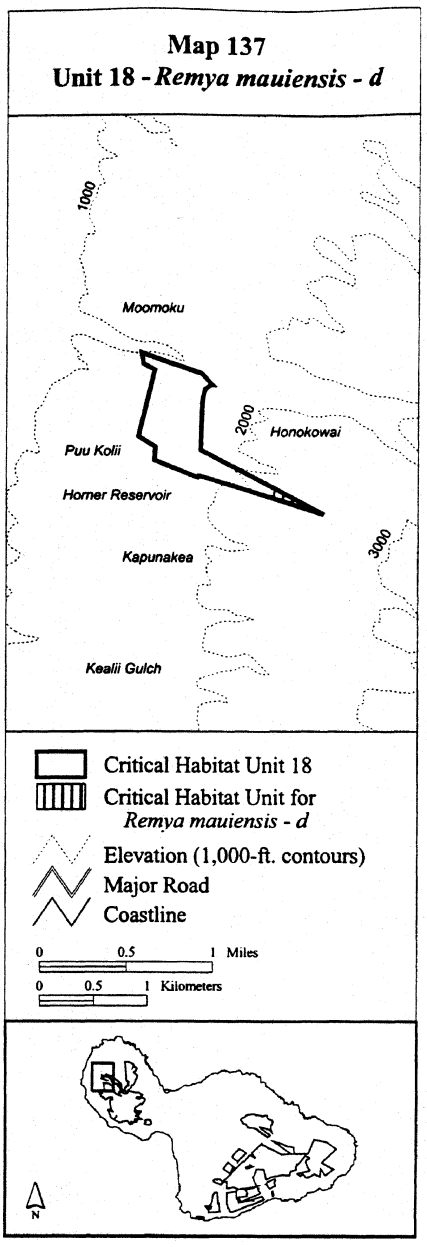
(B) NOTE: Map 136 follows:



(cxxxvii) Maui 18—*Remya mauiensis*—d (2 ha; 6 ac).

(A) Unit consists of the following 3 boundary points: Start at 746322, 2315704; 746785, 2315459; 746309, 2315609; return to starting point.

(B) NOTE: Map 137 follows:



(CXXXVIII) TABLE OF PROTECTED SPECIES WITHIN EACH CRITICAL HABITAT UNIT FOR MAUI

Unit name	Species occupied	Species unoccupied
Maui 1—*Centaurium sebaeoides*—a	*Centaurium sebaeoides.*	
Maui 1—*Sesbania tomentosa*—a	*Sesbania tomentosa.*	

(CXXXVIII) TABLE OF PROTECTED SPECIES WITHIN EACH CRITICAL HABITAT UNIT FOR MAUI—Continued

Unit name	Species occupied	Species unoccupied
Maui 2—*Brighamia rockii*—a		*Brighamia rockii.*
Maui 2—*Brighamia rockii*—b		*Brighamia rockii.*
Maui 2—*Centaurium sebaeoides*—b	*Centaurium sebaeoides.*	
Maui 3—*Brighamia rockii*—c		*Brighamia rockii.*
Maui 4—*Brighamia rockii*—d		*Brighamia rockii.*
Maui 4—*Peucedanum sandwicense*—a	*Peucedanum sandwicense.*	
Maui 5—*Brighamia rockii*—e		*Brighamia rockii.*
Maui 6—*Ischaemum byrone*—a	*Ischaemum byrone.*	
Maui 6—*Mariscus pennatiformis*—a	*Mariscus pennatiformis.*	
Maui 7—*Ischaemum byrone*—b	*Ischaemum byrone.*	
Maui 8—*Cyanea copelandii* ssp. *haleakalaensis*—a	*Cyanea copelandii* ssp. *haleakalaensis.*	
Maui 8—*Cyanea glabra*—a		*Cyanea glabra.*
Maui 8—*Cyanea hamatiflora* ssp. *hamatiflora*—a	*Cyanea hamatiflora* ssp. *hamatiflora..*	
Maui 8—*Cyanea mceldowneyi*—a	*Cyanea mceldowneyi.*	
Maui 8—*Diplazium molokaiense*—a	*Diplazium molokaiense.*	
Maui 8—*Geranium multiflorum*—a		*Geranium multiflorum.*
Maui 8—*Melicope balloui*—a	*Melicope balloui.*	
Maui 8—*Phlegmariurus mannii*—a	*Phlegmariurus mannii.*	
Maui 8—*Phyllostegia mannii*—a		*Phyllostegia mannii.*
Maui 8—*Phyllostegia mollis*—a		*Phyllostegia mollis.*
Maui 8—*Zanthoxylum hawaiiense*—a	*Zanthoxylum hawaiiense.*	
Maui 9—*Alectryon macrococcus*—a		*Alectryon macrococcus.*
Maui 9—*Argyroxiphium sandwicense* ssp. *macrocephalum*—a.	*Argyroxiphium sandwicense* ssp. *macrocephalum.*	
Maui 9—*Asplenium fragile* var. *insulare*—a		*Asplenium fragile* var.*insulare.*
Maui 9—*Bidens micrantha* ssp. *kalealaha*—a	*Bidens micrantha* ssp. *kalealaha.*	
Maui 9—*Bidens micrantha* ssp. *kalealaha*—b	*Bidens micrantha* ssp. *kalealaha.*	
Maui 9—*Clermontia lindseyana*—a	*Clermontia lindseyana.*	
Maui 9—*Clermontia lindseyana*—b		*Clermontia lindseyana.*
Maui 9—*Clermontia samuelii*—a	*Clermontia samuelii.*	
Maui 9—*Cyanea copelandii* ssp. *haleakalaensis*—b	*Cyanea copelandii* ssp. *haleakalaensis.*	
Maui 9—*Cyanea glabra*—b		*Cyanea glabra.*
Maui 9—*Cyanea glabra*—c		*Cyanea glabra.*
Maui 9—*Cyanea hamatiflora* ssp. *hamatiflora—b*	*Cyanea hamatiflora* ssp. *hamatiflora.*	
Maui 9—*Diellia erecta*—a		*Diellia erecta.*
Maui 9—*Diellia erecta*—b		*Diellia erecta.*
Maui 9—*Diplazium molokaiense*—b		*Diplazium molokaiense.*
Maui 9—*Flueggea neowawraea*—a	*Flueggea neowawraea.*	
Maui 9—*Geranium arboreum*—a	*Geranium arboreum.*	
Maui 9—*Geranium multiflorum*—b	*Geranium multiflorum.*	
Maui 9—*Geranium multiflorum*—c		*Geranium multiflorum.*
Maui 9—*Lipochaeta kamolensis*—a	*Lipochaeta kamolensis.*	
Maui 9—*Melicope balloui*—b	*Melicope balloui.*	
Maui 9—*Melicope knudsenii*—a	*Melicope knudsenii.*	
Maui 9—*Melicope mucronulata*—a		*Melicope mucronulata.*
Maui 9—*Melicope ovalis*—a	*Melicope ovalis.*	
Maui 9—*Neraudia sericea*—a	*Neraudia sericea.*	
Maui 9—*Nototrichium humile*—a		*Nototrichium humile.*
Maui 9—*Phlegmariurus mannii*—b	*Phlegmariurus mannii.*	
Maui 9—*Phlegmariurus mannii*—c	*Phlegmariurus mannii.*	
Maui 9—*Phyllostegia mollis*—b		*Phyllostegia mollis.*
Maui 9—*Plantago princeps*—a	*Plantago princeps.*	
Maui 9—*Platanthera holochila*—a		*Platanthera holochila.*
Maui 9—*Schiedea haleakalensis*—a	*Schiedea haleakalensis.*	
Maui 9—*Schiedea haleakalensis*—b	*Schiedea haleakalensis.*	
Maui 10—*Alectryon macrococcus*—b		*Alectryon macrococcus.*
Maui 11—*Lipochaeta kamolensis*—b		*Lipochaeta kamolensis.*
Maui 12—*Vigna o-wahuensis*—a	*Vigna o-wahuensis.*	
Maui 13—*Alectryon macrococcus*—c		*Alectryon macrococcus.*
Maui 13—*Bonamia menziesii*—a	*Bonamia menziesii.*	
Maui 13—*Cenchrus agrimonioides*—a	*Cenchrus agrimonioides.*	
Maui 13—*Colubrina oppositifolia*—a		*Colubrina oppositifolia.*
Maui 13—*Flueggea neowawraea*—b		*Flueggea neowawraea.*
Maui 13—*Melicope adscendens*—a	*Melicope adscendens.*	
Maui 13—*Melicope knudsenii*—b		*Melicope knudsenii.*
Maui 13—*Melicope mucronulata*—b		*Melicope mucronulata.*
Maui 13—*Sesbania tomentosa*—b	*Sesbania tomentosa.*	

(CXXXVIII) TABLE OF PROTECTED SPECIES WITHIN EACH CRITICAL HABITAT UNIT FOR MAUI—Continued

Unit name	Species occupied	Species unoccupied
Maui 13—*Spermolepis hawaiiensis*—a	*Spermolepis hawaiiensis.*	
Maui 14—*Geranium arboreum*—b	*Geranium arboreum.*	
Maui 15—*Geranium arboreum*—c	*Geranium arboreum.*	
Maui 16—*Hibiscus brackenridgei*—a	*Hibiscus brackenridgei.*	
Maui 17—*Alectryon macrococcus*—d		*Alectryon macrococcus.*
Maui 17—*Alectryon macrococcus*—e	*Alectryon macrococcus.*	
Maui 17—*Cenchrus agrimonioides*—b		*Cenchrus agrimonioides.*
Maui 17—*Clermontia oblongifolia* ssp. *mauiensis*—a		*Clermontia oblongifolia* ssp. *mauiensis.*
Maui 17—*Clermontia oblongifolia* ssp. *mauiensis*—b		*Clermontia oblongifolia* ssp. *mauiensis.*
Maui 17—*Clermontia oblongifolia* ssp. *mauiensis*—c	*Clermontia oblongifolia* ssp. *mauiensis.*	
Maui 17—*Colubrina oppositifolia*—b		*Colubrina oppositifolia.*
Maui 17—*Ctenitis squamigera*—a	*Ctenitis squamigera.*	
Maui 17—*Ctenitis squamigera*—b	*Ctenitis squamigera.*	
Maui 17—*Ctenitis squamigera*—c	*Ctenitis squamigera.*	
Maui 17—*Cyanea glabra*—d		*Cyanea glabra.*
Maui 17—*Cyanea glabra*—e		*Cyanea glabra.*
Maui 17—*Cyanea glabra*—f		*Cyanea glabra.*
Maui 17—*Cyanea glabra*—g	*Cyanea glabra.*	
Maui 17—*Cyanea grimesiana* ssp. *grimesiana*—a	*Cyanea grimesiana* ssp. *grimesiana.*	
Maui 17—*Cyanea lobata*—a	*Cyanea lobata.*	
Maui 17—*Cyanea lobata*—b		*Cyanea lobata.*
Maui 17—*Cyanea lobata*—c		*Cyanea lobata.*
Maui 17—*Cyrtandra munroi*—a		*Cyrtandra munroi.*
Maui 17—*Cyrtandra munroi*—b	*Cyrtandra munroi.*	
Maui 17—*Cyrtandra munroi*—c		*Cyrtandra munroi.*
Maui 17—*Diellia erecta*—c		*Diellia erecta.*
Maui 17—*Diellia erecta*—d	*Diellia erecta.*	
Maui 17—*Diellia erecta*—e	*Diellia erecta.*	
Maui 17—*Diellia erecta*—f	*Diellia erecta.*	
Maui 17—*Diplazium molokaiense*—c		*Diplazium molokaiense.*
Maui 17—*Dubautia plantaginea* ssp. *humilis*—a		*Dubautia plantaginea* ssp. *humilis.*
Maui 17—*Dubautia plantaginea* ssp. *humilis*—b		*Dubautia plantaginea* ssp. *humilis.*
Maui 17—*Dubautia plantaginea* ssp. *humilis*—c	*Dubautia plantaginea* ssp. *humilis.*	
Maui 17—*Gouania vitifolia*—a		*Gouania vitifolia.*
Maui 17—*Hedyotis coriacea*—a	*Hedyotis coriacea.*	
Maui 17—*Hedyotis coriacea*—b		*Hedyotis coriacea.*
Maui 17—*Hedyotis mannii*—a	*Hedyotis mannii.*	
Maui 17—*Hesperomannia arbuscula*—a		*Hesperomannia arbuscula.*
Maui 17—*Hesperomannia arbuscula*—b	*Hesperomannia arbuscula.*	
Maui 17—*Hibiscus brackenridgei*—b	*Hibiscus brackenridgei.*	
Maui 17—*Isodendrion pyrifolium*—a		*Isodendrion pyrifolium.*
Maui 17—*Lysimachia lydgatei*—a	*Lysimachia lydgatei.*	
Maui 17—*Lysimachia lydgatei*—b		*Lysimachia lydgatei.*
Maui 17—*Lysimachia lydgatei*—c		*Lysimachia lydgatei.*
Maui 17—*Lysimachia lydgatei*—d	*Lysimachia lydgatei.*	
Maui 17—*Lysimachia lydgatei*—e	*Lysimachia lydgatei.*	
Maui 17—*Neraudia sericea*—b	*Neraudia sericea.*	
Maui 17—*Peucedanum sandwicense*—b		*Peucedanum sandwicense.*
Maui 17—*Phlegmariurus mannii*—d	*Phlegmariurus mannii.*	
Maui 17—*Phlegmariurus mannii*—e	*Phlegmariurus mannii.*	
Maui 17—*Plantago princeps*—b	*Plantago princeps.*	
Maui 17—*Platanthera holochila*—b	*Platanthera holochila.*	
Maui 17—*Platanthera holochila*—c		*Platanthera holochila.*
Maui 17—*Pteris lidgatei*—a	*Pteris lidgatei.*	
Maui 17—*Pteris lidgatei*—b	*Pteris lidgatei.*	
Maui 17—*Remya mauiensis*—a	*Remya mauiensis.*	
Maui 17—*Remya mauiensis*—b	*Remya mauiensis.*	
Maui 17—*Remya mauiensis*—c		*Remya mauiensis.*
Maui 17—*Sanicula purpurea*—a		*Sanicula purpurea.*
Maui 17—*Sanicula purpurea*—b	*Sanicula purpurea.*	
Maui 17—*Sanicula purpurea*—c	*Sanicula purpurea.*	
Maui 17—*Spermolepis hawaiiensis*—b	*Spermolepis hawaiiensis.*	
Maui 17—*Tetramolopium capillare*—a	*Tetramolopium capillare.*	
Maui 17—*Tetramolopium remyi*—a		*Tetramolopium remyi.*
Maui 18—*Alectryon macrococcus*—f		*Alectryon macrococcus.*
Maui 18—*Colubrina oppositifolia*—c	*Colubrina oppositifolia.*	
Maui 18—*Ctenitis squamigera*—d		*Ctenitis squamigera.*

(CXXXVIII) TABLE OF PROTECTED SPECIES WITHIN EACH CRITICAL HABITAT UNIT FOR MAUI—Continued

Unit name	Species occupied	Species unoccupied
Maui 18—*Remya mauiensis*—d	.....	*Remya mauiensis.*

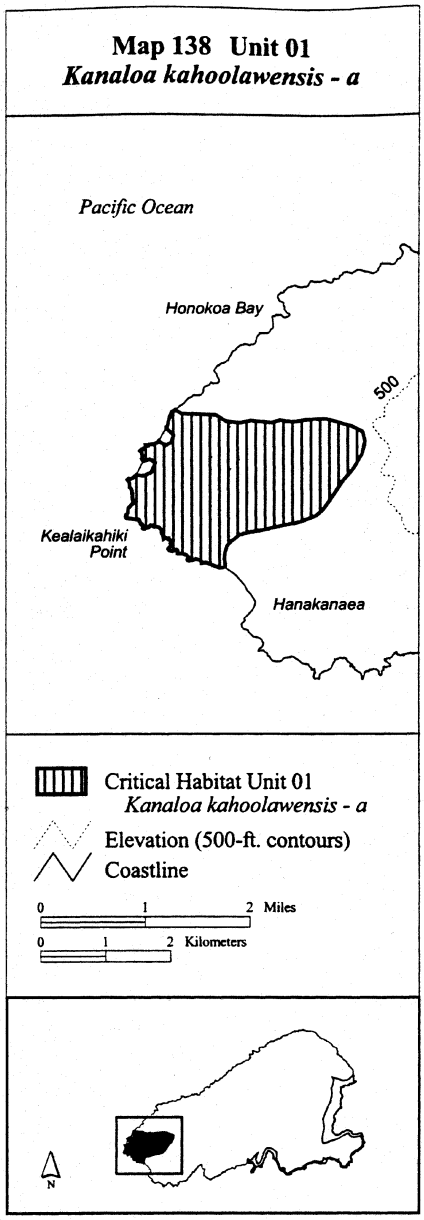
(cxxxix) Critical habitat unit descriptions and maps, and a description of primary constituent elements, for Family Rhamnaceae: *Gouania hillebrandi* on the island of Maui is provided in 50 CFR 17.96(a).

(2) *Kahoolawe.* Critical habitat units are described below. Coordinates in UTM Zone 4 with units in meters using North American Datum of 1983 (NAD83).

(i) Kahoolawe 1—*Kanaloa kahoolawensis*—a (62 ha; 1,388 ac).

(A) Unit consists of the following 53 boundary points and the intermediate coastline: 741288, 2270367; 739913, 2271787; 739924, 2271802; 740037, 2271790; 740156, 2271842; 740226, 2271995; 740142, 2272051; 740036, 2272014; 740031, 2272022; 740031, 2272025; 740030, 2272030; 740266, 2272329; 740273, 2272338; 740375, 2272265; 740467, 2272316; 740500, 2272422; 740407, 2272520; 740392, 2272537; 740396, 2272546; 740401, 2272558; 740521, 2272815; 740529, 2272822; 740631, 2272765; 741148, 2272741; 741302, 2272644; 741524, 2272620; 741689, 2272648; 742016, 2272620; 742142, 2272660; 742340, 2272628; 742578, 2272668; 742844, 2272680; 743224, 2272571; 743406, 2272470; 743438, 2272325; 743389, 2272115; 743244, 2271885; 743103, 2271711; 742901, 2271404; 742784, 2271259; 742687, 2271170; 742453, 2271077; 742344, 2271053; 742190, 2271025; 741883, 2270952; 741673, 2270912; 741508, 2270875; 741415, 2270795; 741326, 2270714; 741290, 2270597; 741282, 2270508; 741286, 2270423; 741288, 2270367; return to starting point.

(B) NOTE: Map 138 follows :

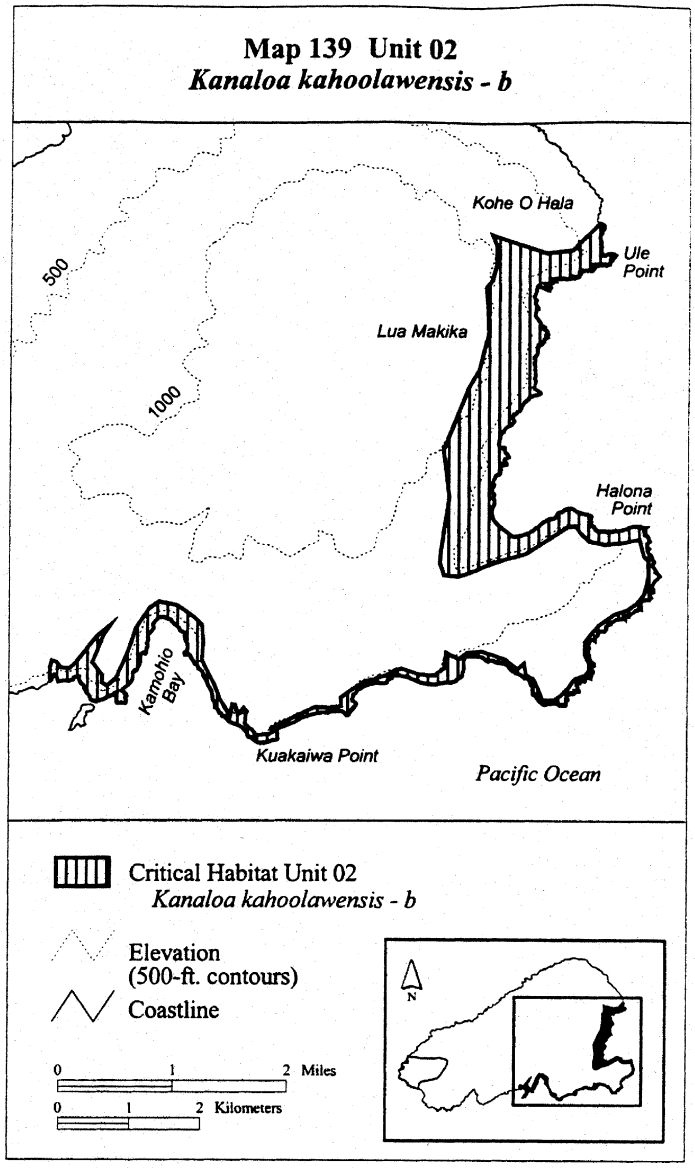


(ii) Kahoolawe 2—*Kanaloa kahoolawensis*—b (613 ha; 1,516 ac).

(A) Unit consists of the following 131 boundary points and the intermediate coastline: 756526, 2276870; 756534, 2276893; 748810, 2270407; 748804, 2270414; 748801,

2270602; 748829, 2270694; 748896, 2270675; 748956, 2270592; 749080, 2270581; 749149, 2270650; 749452, 2271037; 749659, 2271200; 749547, 2271037; 749432, 2270760; 749397, 2270670; 749534, 2270492; 749529, 2270389; 749599, 2270339; 749724, 2270439; 749837, 2270680; 749914, 2270865; 749962, 2271002; 750002, 2271142; 750187, 2271420; 750335, 2271525; 750605, 2271469; 750812, 2271310; 750943, 2271192; 750958, 2270952; 750945, 2270692; 751093, 2270402; 751195, 2270154; 751278, 2270019; 751272, 2270015; 751343, 2269909; 751373, 2270074; 751419, 2270068; 751438, 2269987; 751483, 2269952; 751538, 2270023; 751576, 2269978; 751565, 2269934; 751553, 2269794; 751670, 2269694; 751700, 2269639; 751893, 2269652; 751933, 2269679; 751928, 2269742; 752308, 2269927; 752533, 2270032; 752756, 2270029; 752909, 2270054; 752896, 2270169; 753054, 2270282; 753219, 2270392; 753537, 2270482; 753667, 2270557; 753667, 2270551; 753757, 2270587; 754009, 2270497; 754207, 2270480; 754355, 2270585; 754382, 2270807; 754562, 2270710; 754677, 2270807; 754877, 2270822; 755212, 2270710; 755390, 2270580; 755480, 2270660; 755510, 2270495; 755605, 2270439; 755680, 2270285; 755747, 2270135; 755897, 2270132; 755995, 2270202; 756108, 2270312; 756168, 2270405; 756226, 2270450; 756341, 2270495; 756393, 2270550; 756401, 2270645; 756338, 2270782; 756333, 2270950; 756408, 2271057; 756523, 2271185; 756716, 2271328; 756763, 2271353; 756916, 2271408; 757056, 2271503; 757164, 2271635; 757209, 2271808; 757224, 2271970; 757214, 2271970; 757214, 2272116; 757154, 2272171; 757116, 2272326; 757101, 2272408; 756891, 2272366; 756608, 2272333; 756386, 2272378; 756271, 2272488; 756198, 2272593; 756078, 2272571; 755795, 2272388; 755508, 2272205; 755210, 2272115; 754942, 2272025; 754947, 2272036; 754785, 2271960; 754550, 2271868; 754339, 2271898; 754289, 2272068; 754297, 2272223; 754327, 2272463; 754339, 2272518; 754412, 2273006; 754327, 2273668; 754665, 2274523; 754833, 2274812; 754954, 2275312; 754948, 2275650; 754918, 2275963; 755008, 2276059; 755062, 2276282; 755068, 2276565; 755008, 2276710; 755767, 2276457; 756140, 2276495; 756363, 2276718; 756518, 2276871; 756526, 2276870; return to starting point.

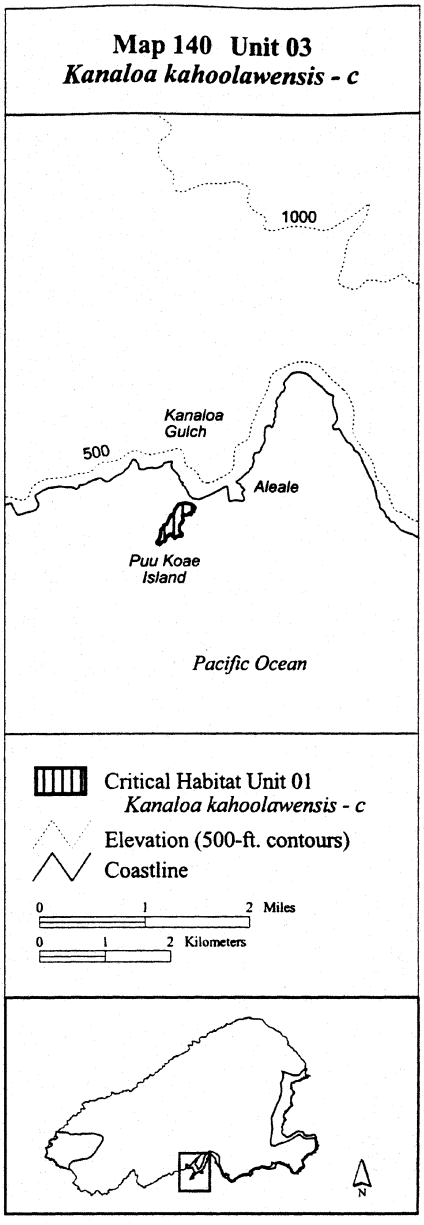
(B) NOTE: Map 139 follows:


Map 139 Unit 02
Kanaloa kahoolawensis - b
Kohe O Hala
Ule Point
Lua Makika
500
1000
Halona Point
Kamohio Bay
Kuakaiwa Point
Pacific Ocean
Critical Habitat Unit 02
Kanaloa kahoolawensis - b
Elevation
(500-ft. contours)
Coastline
0 1 2 Miles
0 1 2 Kilometers
N

(iii) Kahoolawe 3—*Kanaloa kahoolawensis*—c (5 ha; 12 ac).

(A) Unit consists of the entire offshore island located at approximately: 749231, 2269900.

(B) NOTE: Map 140 follows:



(IV) TABLE OF PROTECTED SPECIES WITHIN EACH CRITICAL HABITAT UNIT FOR KAHOOLAWE

Unit name	Species occupied	Species unoccupied
Kahoolawe 1—*Kanaloa kahoolawensis*—a	.....	*Kanaloa kahoolawensis.*
Kahoolawe 2—*Kanaloa kahoolawensis*—b	*Kanaloa kahoolawensis.*	

(IV) TABLE OF PROTECTED SPECIES WITHIN EACH CRITICAL HABITAT UNIT FOR KAHOOLAWE—Continued

Unit name	Species occupied	Species unoccupied
Kahoolawe 3—*Kanaloa kahoolawensis*—c	.....	*Kanaloa kahoolawensis.*

(f) *Plants on Maui and Kahoolawe; Constituent elements*—(1) *Flowering plants.*

FAMILY AMARANTHACEAE: ***Nototrichium humile*** (KULUI)

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

(i) Old cinder cones in dry shrubland containing one or more of the following associated native species: *Dodonaea viscosa*, *Erythrina sandwicensis*, *Heteropogon contortus*, or *Nototrichium sandwicense;* and

(ii) Elevations between 338 and 734 m (1,110 and 2,407 ft).

FAMILY APIACEAE: ***Peucedanum sandwicense*** (MAKOU)

Maui 4—*Peucedanum sandwicense*—a and Maui 17—*Peucedanum sandwicense*—b, identified in the legal descriptions in paragraph (e)(1) of this section, constitute critical habitat for *Peucedanum sandwicense* on Maui. Within these units, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

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

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

FAMILY APIACEAE: ***Sanicula purpurea*** (NCN)

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

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

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

FAMILY APIACEAE: ***Spermolepis hawaiiensis*** (NCN)

Maui 13—*Spermolepis hawaiiensis*—a, and Maui 17—*Spermolepis hawaiiensis*—b, identified in the legal descriptions in paragraph (e)(1) of this section, constitute critical habitat for *Spermolepis hawaiiensis* on Maui. Within these units, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

(i) Shady spots in *Dodonaea viscosa* lowland dry shrubland and containing one or more of the following associated native species: *Diospyros* sp., *Eragrostis variabilis*, *Erythrina sandwicensis*, *Gouania hillebrandii*, *Heteropogon contortus*, *Melanthera lavarum*, *Myoporum sandwicense*, *Pleomele* sp., *Santalum ellipticum*, *Sida fallax*, or *Wikstroemia* sp.; and

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

FAMILY ASTERACEAE: ***Argyroxiphium sandwicense*** SSP. ***macrocephalum*** (AHINAHINA)

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

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

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

FAMILY ASTERACEAE: ***Bidens micrantha*** SSP. ***kalealaha*** (KOOKOOLAU)

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

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

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

FAMILY ASTERACEAE: ***Dubautia plantaginea*** SSP. ***humilis*** (NAENAE)

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

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

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

FAMILY ASTERACEAE: ***Hesperomannia arbuscula*** (NCN)

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

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

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

FAMILY ASTERACEAE: ***Lipochaeta kamolensis*** (NEHE)

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

(i) Gulches or gentle slopes outside gulches in dry shrubland and containing one or more of the following associated native plant species: *Dodonaea viscosa*, *Ipomoea indica*, or *Plumbago zeylanica*; and

(ii) Elevations between 40 and 602 m (132 and 1,974 ft).

FAMILY ASTERACEAE: ***Remya mauiensis*** (NCN)

Maui 17—*Remya mauiensis*—a, Maui 17—*Remya mauiensis*—b, Maui 17—*Remya mauiensis*—c, and Maui 18—*Remya mauiensis*—d, identified in the legal descriptions in paragraph (e)(1) of this section, constitute critical habitat for *Remya mauiensis* on Maui. Within these units, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

(i) Steep, north or northeast-facing slopes in mixed mesophytic forests or *Metrosideros polymorpha* montane wet forests and containing one or more of the following associated native species: *Alyxia oliviformis*, *Diospyros sandwicensis*, *Diplazium sandwichianum*, *Dodonaea viscosa*, *Leptecophylla tameiameiae*, *Lysimachia remyi*, *Melicope* sp., *Microlepia strigosa*, *Myrsine lessertiana*, *Nestegis sandwicensis*, *Pleomele auwahiensis*, *Psychotria mariniana*, *Wikstroemia* sp., or *Xylosma hawaiiense;* and

(ii) Elevations between 435 and 1,228 m (1,427 and 4,029 ft).

FAMILY ASTERACEAE: ***Tetramolopium capillare*** (PAMAKANI)

Maui 17—*Tetramolopium capillare*—a, identified in the legal description in paragraph (e)(1) of this section, constitutes critical habitat for *Tetramolopium capillare* on Maui. Within this unit, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

(i) Rocky substrates in *Heteropogon contortus* lowland dry forest or in *Metrosideros polymorpha-Leptecophylla tameiameiae* montane mesic or wet shrubland and wet cliff faces and containing one or more of the following associated plant species: *Dodonaea viscosa* or *Myoporum sandwicense;* and

(ii) Elevations between 155 and 1,432 m (509 and 4,698 ft).

FAMILY ASTERACEAE: ***Tetramolopium remyi*** (NCN)

Maui 17—*Tetramolopium remyi*—a, identified in the legal description in paragraph (e)(1) of this section, constitutes critical habitat for *Tetramolopium remyi* on Maui. Within this unit, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

(i) Dry, exposed ridges or flats in lowland dry shrubland and containing one or more of the following associated native plant species: *Bidens mauiensis*, *Bidens menziesii*, *Dodonaea viscosa*, *Eragrostis atropioides*, *Heteropogon contortus*, *Lipochaeta heterophylla*, or *Waltheria indica;* and

(ii) Elevations between 85 and 550 m (279 and 1,804 ft).

FAMILY CAMPANULACEAE: ***Brighamia rockii*** (PUA ALA)

Maui 2—*Brighamia rockii*—a, Maui 2—*Brighamia rockii*—b, Maui 3—*Brighamia rockii*—c, Maui 4—*Brighamia rockii*—d, and Maui 5—*Brighamia rockii*—e, identified in the legal descriptions in paragraph (e)(1) of this section, constitute critical habitat for *Brighamia rockii* on Maui. Within these units, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

(i) Steep sea cliffs, often within the spray zone, in coastal dry to mesic forests and shrublands and containing one or more of the following associated plant species: *Diospyros sandwicensis*, *Osteomeles anthyllidifolia*, *Psydrax odorata*, or *Scaevola taccada;* and

(ii) Elevations between 0 and 146 m (0 and 479 ft).

FAMILY CAMPANULACEAE: ***Clermontia lindseyana*** (HAHA)

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

(i) *Acacia koa* mesic forest containing one or more of the following associated native plant species: *Coprosma* sp., *Cyrtandra* spp., *Ilex anomala*, *Myrsine* sp., or native fern species; and

(ii) Elevations between 1,147 and 1,868 m (3,762 and 6,129 ft).

FAMILY CAMPANULACEAE: ***Clermontia oblongifolia*** SSP. ***mauiensis*** (OHA EAI)

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

(i) The sides and tops of ridges in *Metrosideros polymorpha*-dominated montane wet forest and containing one or more of the following associated native plant species: *Cheirodendron* sp., *Clermontia* sp., *Coprosma* sp., *Dicranopteris linearis*, *Hedyotis* sp., *Ilex anomala*, *Melicope* sp., or *Myrsine* sp.; and

(ii) Elevations between 539 and 1,738 m (1,768 and 5,702 ft).

FAMILY CAMPANULACEAE: ***Clermontia samuelii*** (OHA WAI)

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

(i) Wet *Metrosideros polymorpha* and *M. polymorpha-Dicranopteris linearis* forest or wet *M. polymorpha* and *M. polymorpha-Cheirodendron trigynum* forest containing one or more of the following associated native plant species: *Adenophorus tamariscinus*, *Broussaisia arguta*, *Carex alligata*, *Cibotium* spp., *Clermontia arborescens* ssp. *waihiae*, *Clermontia* sp., *Diplazium sandwichianum*, *Dubautia* sp., *Hedyotis hillebrandii*, *Hedyotis terminalis*, *Hedyotis* sp., *Melicope clusiifolia*, *Melicope* spp., *Peperomia obovatilimba*, *Psychotria mariniana*, *Rubus hawaiiensis*, *Tetraplasandra oahuensis*, or *Vaccinium* spp.; and

(ii) Elevations between 724 and 2,244 m (2,375 and 7,362 ft).

FAMILY CAMPANULACEAE: ***Cyanea copelandii*** SSP. ***haleakalaensis*** (HAHA)

Maui 8—*Cyanea copelandii* ssp. *haleakalaensis*—a and Maui 9—*Cyanea copelandii* ssp. *haleakalaensis*—b, identified in the legal descriptions in paragraph (e)(1) of this section, constitute critical habitat for *Cyanea copelandii* ssp. *haleakalaensis* on Maui. Within these units, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

(i) Stream banks or wet scree slopes or forest understory in montane wet or mesic forest dominated by *Acacia koa* and/or *Metrosideros polymorpha* and containing one or more of the following associated native plant species: *Broussaisia arguta*, *Cibotium* sp., *Hedyotis acuminata*, *Perrottetia sandwicensis*, or *Psychotria hawaiiensis;* and

(ii) Elevations between 616 and 1,411 m (2,021 and 4,630 ft).

FAMILY CAMPANULACEAE: ***Cyanea glabra*** (HAHA)

Maui 8—*Cyanea glabra*—a, Maui 9—*Cyanea glabra*—b, Maui 9—*Cyanea glabra*—c, Maui 17—*Cyanea glabra*—d, Maui 17—*Cyanea glabra*—e, Maui 17—*Cyanea glabra*—f, and Maui 17—*Cyanea glabra*—g, identified in the legal descriptions in paragraph (e)(1) of this section, constitute critical habitat for

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

(i) Soil and rock stream banks in wet lowland forest dominated by *Acacia koa* and/or *Metrosideros polymorpha* and containing one or more of the following associated native plant species: *Boehmeria grandis*, *Cheirodendron trigynum*, *Christella cyatheoides*, *Cibotium* sp., *Clermontia kakeana*, *Coprosma* sp., *Cyanea elliptica*, *Diplazium* sp., *Dodonaea viscosa*, *Dubautia plantaginea*, *Perrottetia sandwicensis*, *Pipturus albidus*, *Psychotria* sp., *Sadleria* sp., *Touchardia latifolia*, or *Xylosma hawaiiense* or; and

(ii) Elevations between 413 and 1,569 m (1,355 and 5,149 ft).

FAMILY CAMPANULACEAE: ***Cyanea grimesiana*** SSP. ***grimesiana*** (HAHA)

Maui 17—*Cyanea grimesiana* ssp. *grimesiana*—a, identified in the legal description in paragraph (e)(1) of this section, constitutes critical habitat for *Cyanea grimesiana* ssp. *grimesiana* on Maui. Within this unit, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

(i) Rocky or steep slopes of stream banks in wet forest gulch bottoms often dominated by *Metrosideros polymorpha* and containing one or more of the following associated native plant species: *Antidesma* sp., *Bobea* sp., *Myrsine* sp., *Nestegis sandwicensis*, *Psychotria* sp., or *Xylosma* sp.; and

(ii) Elevations between 312 and 1,617 m (1,024 and 5,305 ft).

FAMILY CAMPANULACEAE: ***Cyanea hamatiflora*** SSP. ***hamatiflora*** (HAHA)

Maui 8—*Cyanea hamatiflora* ssp. *hamatiflora*—a and Maui 9—*Cyanea hamatiflora* ssp. *hamatiflora*—b, identified in the legal descriptions in paragraph (e)(1) of this section, constitute critical habitat for *Cyanea hamatiflora* ssp. *hamatiflora* on Maui. Within these units, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

(i) Montane wet forest dominated by *Metrosideros polymorpha*, with a Cibotium sp. and/or native shrub understory or closed *Acacia koa-Metrosideros polymorpha* wet forest containing one or more of the following associated native plant species: *Athyrium microphyllum*, *Broussaisia arguta*, *Cheirodendron trigynum*, *Cyanea aculeatiflora*, *Cyanea kunthiana*, *Dicranopteris linearis*, *Diplazium sandwichianum*, *Melicope* sp., *Myrsine* sp., or *Vaccinium* sp.; and

(ii) Elevations between 767 and 1,553 m (2,515 and 5,095 ft).

FAMILY CAMPANULACEAE: ***Cyanea lobata*** (HAHA)

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

(i) Steep stream banks in deep shade in wet forest and containing one or more of the following associated native plant species: *Antidesma* sp., *Athyrium* sp., *Clermontia kakeana*, *Cyrtandra* spp., *Freycinetia arborea*, *Metrosideros polymorpha*, *Morinda trimera*, *Peperomia* sp., *Pipturus albidus*, *Pleomele* sp., *Psychotria* sp., *Touchardia latifolia*, or *Xylosma* sp.; and

(ii) Elevations between 260 and 1,530 m (853 and 5,020 ft).

FAMILY CAMPANULACEAE: ***Cyanea mceldowneyi*** (HAHA)

Maui 8—*Cyanea mceldowneyi*—a, identified in the legal description in paragraph (e)(1) of this section, constitutes critical habitat for *Cyanea mceldowneyi* on Maui. Within this unit, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

(i) Montane wet and mesic forest with mixed *Metrosideros polymorpha-Acacia koa* and containing one or more of the following associated native plant species: *Broussaisia arguta*, *Cheirodendron trigynum*, *Cibotium* sp., *Clermontia arborescens*, *Cyrtandra* sp.,

Dicranopteris linearis, *Diplazium sandwichianum*, *Hedyotis* sp., or *Melicope clusiifolia;* and

(ii) Elevations between 837 and 1,348 m (2,745 and 4,423 ft).

FAMILY CARYOPHYLLACEAE: ***Schiedea haleakalensis*** (NCN)

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

(i) Rock cracks on sheer cliffs adjacent to barren lava and subalpine shrublands; or grasslands with cinder, or weathered volcanic ash, or bare lava substrate with little or no soil development and periodic freezing temperatures; and containing one or more of the following associated native plant species: *Artemisia mauiensis*, *Bidens micrantha*, *Dubautia menziesii*, *Leptecophylla tameiameiae*, *Vaccinium reticulatum*, or *Viola chamissoniana;* and

(ii) Elevations between 1,678 and 2,434 m (5,505 and 7,986 ft).

FAMILY CONVOLVULACEAE: ***Bonamia menziesii*** (NCN)

Maui 13—*Bonamia menziesii*—a, identified in the legal description in paragraph (e)(1) of this section, constitutes critical habitat for *Bonamia menziesii* on Maui. Within this unit, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

(i) Aa lava in mixed open dry forest or *Erythrina sandwicensis* lowland dry forest, or in mesic mixed *Metrosideros polymorpha* forest and containing one or more of the following associated native plant species: *Acacia koaia*, *Achyranthes splendens*, *Alphitonia ponderosa*, *Alyxia oliviformis*, *Diospyros sandwicensis*, *Dodonaea viscosa*, *Lipochaeta rockii*, *Myoporum sandwicense*, *Nestegis sandwicensis*, *Nothocestrum latifolium*, *Nototrichium* sp., *Osteomeles anthyllidifolia*, *Pleomele auwahiensis*, *Pouteria sandwicensis*, *Reynoldsia sandwicensis*, *Santalum ellipticum*, *Sicyos* sp., *Sida fallax*, or *Xylosma hawaiiensis;* and

(ii) Elevations between 221 and 836 m (725 and 2,743 ft).

FAMILY CYPERACEAE: ***Mariscus pennatiformis*** (NCN)

Maui 6—*Mariscus pennatiformis*—a, identified in the legal description in paragraph (e)(1) of this section, constitutes critical habitat for *Mariscus pennatiformis* on Maui. Within this unit, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

(i) Cliffs with brown soil and talus within reach of ocean spray in *Pandanus tectorius* coastal wet forests and containing one or more of the following associated native plant species: *Cyperus laevigatus*, *Eragrostis* spp., *Ipomoea* sp., *Lysimachia mauritiana*, or *Sadleria pallida;* and

(ii) Elevations between 0 and 134 m (0 and 440 ft).

FAMILY EUPHORBIACEAE: ***Flueggea neowawraea*** (MEHAMEHAME)

Maui 9—*Flueggea neowawraea*—a and Maui 13—*Flueggea neowawraea*—b, identified in the legal descriptions in paragraph (e)(1) of this section, constitute critical habitat for *Flueggea neowawraea* on Maui. Within these units, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

(i) Dry or mesic forest containing one or more of the following associated native plant species: *Alectryon macrococcus*, *Antidesma pulvinatum*, *Bobea timonioides*, *Charpentiera* sp., *Diospyros* sp., *Diplazium sandwichianum*, *Myrsine lanaiensis*, *Nesoluma polynesicum*, *Nestegis sandwicensis*, *Pleomele auwahiensis*, *Pleomele* sp., *Pouteria sandwicensis*, *Psydrax odorata*, *Rauvolfia sandwicensis*, or *Tetraplasandra* sp.; and

(ii) Elevations between 633 and 971 m (2,078 and 3,186 ft).

FAMILY FABACEAE: ***Kanaloa kahoolawensis*** (KOHE MALAMA MALAMA O KANALOA)

Kahoolawe 1—*Kanaloa kahoolawensis*—a, Kahoolawe 2—*Kanaloa kahoolawensis*—b, and Kahoolawe 3—*Kanaloa kahoolawensis*—c, identified in the legal descriptions in paragraph (e)(2) of this section, constitute critical habitat for *Kanaloa kahoolawensis* on Kahoolawe. Within these units, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

(i) Steep, rocky talus slopes in mixed coastal shrubland and containing one or more of the following associated native plants: *Bidens mauiensis*, *Capparis sandwichiana*, *Melanthera lavarum*, *Portulaca molokiniensis*, *Senna gaudichaudii*, or *Sida fallax;* and

(ii) Elevations between 0 and 305 m (0 and 1,000 ft).

FAMILY FABACEAE: ***Sesbania tomentosa*** (OHAI)

Maui 1—*Sesbania tomentosa*—a and Maui 13—*Sesbania tomentosa*—b, identified in the legal descriptions in paragraph (e)(1) of this section, constitute critical habitat for *Sesbania tomentosa* on Maui. Within these units, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

(i) Windswept slopes, sea cliffs, and cinder cones in *Scaevola taccada* coastal dry shrublands and containing one or more of the following associated native plant species: *Bidens* sp., *Diospyros sandwicensis*, *Dodonaea viscosa*, *Jacquemontia ovalifolia* ssp. *sandwicensis*, *Melanthera integrifolia*, or *Sida fallax;* and

(ii) Elevations between 0 and 542 m (0 and 1,778 ft).

FAMILY FABACEAE: ***Vigna o-wahuensis*** (NCN)

Maui 12—*Vigna o-wahuensis*—a, identified in the legal description in paragraph (e)(1) of this section, constitutes critical habitat for *Vigna o-wahuensis* on Maui. Within this unit, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

(i) Dry or mesic grassland or shrubland containing one or more of the following associated plant species: *Chamaesyce* sp., or *Dodonaea viscosa;* and

(ii) Elevations between 0 and 50 m (0 and 164 ft).

FAMILY GENTIANACEAE: ***Centaurium sebaeoides*** (AWIWI)

Maui 1—*Centaurium sebaeoides*—a and Maui 2—*Centaurium sebaeoides*—b, identified in the legal descriptions in paragraph (e)(1) of this section, constitute critical habitat for *Centaurium sebaeoides* on Maui. Within these units, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

(i) Volcanic or clay soils or cliffs, in windward coastal areas, containing one or more of the following associated native plant species: *Bidens mauiensis*, *Lycium sandwicense*, *Melanthera integrifolia*, *Panicum torridum*, *Lysimachia mauritiana*, *Scaevola taccada*, or *Schiedea globosa;* and

(ii) Elevations between 0 and 129 m (0 and 423 ft).

FAMILY GERANIACEAE: ***Geranium arboreum*** (NOHOANU)

Maui 9—*Geranium arboreum*—a, Maui 14—*Geranium arboreum*—b, and Maui 15—*Geranium arboreum*—c, identified in the legal descriptions in paragraph (e)(1) of this section, constitute critical habitat for *Geranium arboreum* on Maui. Within these units, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

(i) Steep, damp and shaded narrow canyons and gulches, steep banks, and intermittent streams in *Sophora chrysophylla* subalpine dry shrubland or *Metrosideros polymorpha* montane forest and containing one or more of the following associated native plant species: *Dodonaea viscosa*, *Dryopteris wallichiana*, *Leptecophylla tameiameiae*, *Rubus hawaiiensis*, or *Vaccinium reticulatum;* and

(ii) Elevations between 1,472 and 2,184 m (4,830 and 7,164 ft).

FAMILY GERANIACEAE: ***Geranium multiflorum*** (NOHOANU)

Maui 8—*Geranium multiflorum*—a, Maui 9—*Geranium multiflorum*—b, and Maui 9—*Geranium multiflorum*—c, identified in the legal descriptions in paragraph (e)(1) of this section, constitute critical habitat for *Geranium multiflorum* on Maui. Within these units, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

(i) Wet or mesic *Metrosideros polymorpha* montane forest or alpine mesic forest, *Leptecophylla tameiameiae* shrubland, *Sophora chrysophylla* subalpine dry forest, open sedge swamps, fog-swept lava flows, or montane grasslands and containing one or more of the following associated native plant species: *Coprosma montana, Dryopteris glabra, Dryopteris wallichiana, Hedyotis* sp., *Leptecophylla tameiameiae Metrosideros polymorpha, Rubus hawaiiensis, Sadleria cyatheoides,* or *Vaccinium* sp.; and

(ii) Elevations between 1,538 and 2,710 m (5,045 and 8,890 ft).

FAMILY GESNERIACEAE: ***Cyrtandra munroi*** (HAIWALE)

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

(i) Rich, moist to wet, moderately steep talus slopes in lowland wet *Metrosideros polymorpha* forest and containing one or more of the following associated native plant species: *Alyxia oliviformis, Bobea* sp., *Clermontia* sp., *Coprosma* sp., *Cyrtandra* spp., *Diospyros* sp., *Freycinetia arborea, Hedyotis acuminata, Melicope* sp., *Myrsine* sp., *Perrottetia sandwicensis, Pipturus* sp., *Pittosporum* sp., *Pouteria sandwicensis, Psychotria* sp., *Sadleria* sp., *Scaevola* sp., *Sicyos* sp., *Strongylodon ruber, Xylosma* sp., or *Zanthoxylum kauense;* and

(ii) Elevations between 468 and 1,108 m (1,535 and 3,635 ft).

FAMILY LAMIACEAE: ***Phyllostegia mannii*** (NCN)

Maui 8—*Phyllostegia mannii*—a, identified in the legal description in paragraph (e)(1) of this section, constitutes critical habitat for *Phyllostegia mannii* on Maui. Within this unit, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

(i) Gentle slopes and the steep sides of gulches in mesic to wet forest dominated by *Acacia koa* and/or *Metrosideros polymorpha* and containing one or more of the following associated native plant species: *Alyxia oliviformis, Cheirodendron trigynum, Dicranopteris linearis, Diplazium sandwichianum, Melicope* spp., or *Myrsine lessertiana;* and

(ii) Elevations between 1,069 and 1,348 m (3,506 and 4,421 ft).

FAMILY LAMIACEAE: ***Phyllostegia mollis*** (NCN)

Maui 8—*Phyllostegia mollis*—a and Maui 9—*Phyllostegia mollis*—b, identified in the legal descriptions in paragraph (e)(1) of this section, constitute critical habitat for *Phyllostegia mollis* on Maui. Within these units, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

(i) Steep slopes and gulches in mesic forest dominated by *Metrosideros polymorpha* and/or *Acacia koa* and containing one or more of the following associated native plant species: *Alyxia oliviformis, Cheirodendron trigynum, Diplazium sandwichianum, Melicope* spp., or *Myrsine lessertiana;* and

(ii) Elevations between 1,164 and 1,878 m (3,818 and 6,161 ft).

FAMILY MALVACEAE: ***Hibiscus brackenridgei*** (MAO HAU HELE)

Maui 16—*Hibiscus brackenridgei*—a and Maui 17—*Hibiscus brackenridgei*—b, identified in the legal descriptions in paragraph (e)(1) of this section, constitute critical habitat for *Hibiscus brackenridgei* on Maui. Within these units, the currently known primary

constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

(i) Lowland dry forest sometimes with *Erythrina sandwicensis* as the dominant tree containing one or more of the following associated native plant species: *Achyranthes* sp., *Chamaesyce celastroides* var. *lorifolia*, *Chenopodium* sp., *Diospyros* sp., *Dodonaea viscosa*, *Melanthera lavarum*, *Myoporum sandwicense*, *Nototrichium* sp., annual *Panicum* spp., *Psydrax odorata*, *Schiedea salicaria*, or *Sida fallax;* and

(ii) Elevations between 85 and 771 m (279 and 2,530 ft).

FAMILY ORCHIDACEAE: ***Platanthera holochila*** (NCN)

Maui 9—*Platanthera holochila*—a, Maui 17—*Platanthera holochila*—b, and Maui 17—*Platanthera holochila*—c, identified in the legal descriptions in paragraph (e)(1) of this section, constitute critical habitat for *Platanthera holochila* on Maui. Within these units, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

(i) *Metrosideros polymorpha-Dicranopteris linearis* montane wet forest, *M. polymorpha* mixed montane bog, or mesic scrubby *M. polymorpha* forest and containing one or more of the following associated native plant species: *Broussaisia arguta*, *Cibotium* sp., *Clermontia* sp., *Coprosma ernodeoides*, *Deschampsia nubigena*, *Dubautia scabra*, *Gahnia gahniiformis*, *Leptecophylla tameiameiae*, *Luzula hawaiiensis*, *Lycopodiella cernua*, *Oreobolus furcatus*, *Polypodium pellucidum*, *Sadleria* sp., *Scaevola chamissoniana*, *Sisyrinchium acre*, *Vaccinium reticulatum*, or *Wikstroemia* sp.; and

(ii) Elevations between 669 and 2,314 m (2,195 and 7,592 ft).

FAMILY PLANTAGINACEAE: ***Plantago princeps*** (LAUKAHI KUAHIWI)

Maui 9—*Plantago princeps*—a and Maui 17—*Plantago princeps*—b, identified in the legal descriptions in paragraph (e)(1) of this section, constitute critical habitat for *Plantago princeps* on Maui. Within these units, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

(i) Basalt cliffs that are windblown with little vegetation in *Metrosideros polymorpha* lowland wet forest, *Acacia koa-M. polymorpha* montane wet forest, or *M. polymorpha* montane wet shrubland and containing one or more of the following associated native plant species: *Bidens micrantha* ssp. *kalealaha*, *Chamaesyce celastroides*, *Cyanea* spp., *Dryopteris* sp., *Dubautia menziesii*, *Dubautia plantaginea* ssp. *humilis*, *Eragrostis variabilis*, *Hedyotis formosa*, *Leptecophylla tameiameiae*, *Melicope ovalis*, *Perrottetia sandwicensis*, *Pipturus albidus*, or *Touchardia latifolia;* and

(ii) Elevations between 281 and 2,460 m (922 and 8,070 ft).

FAMILY POACEAE: ***Cenchrus agrimonioides*** (KAMANOMANO (= SANDBUR, AGRIMONY))

Maui 13—*Cenchrus agrimonioides*—a, and Maui 17—*Cenchrus agrimonioides*—b, identified in the legal descriptions in paragraph (e)(1) of this section, constitute critical habitat for *Cenchrus agrimonioides* on Maui. Within these units, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

(i) Dry forest or *Pleomele* sp.-*Diospyros* sp. forest and containing one or more of the following associated native plant species: *Alyxia oliviformis*, *Dodonaea viscosa*, *Osteomeles anthyllidifolia*, or *Santalum ellipticum;* and

(ii) Elevations between 528 and 1,091 m (1,732 and 3,579 ft).

FAMILY POACEAE: ***Ischaemum byrone*** (HILO ISCHAEMUM)

Maui 6—*Ischaemum byrone*—a and Maui 7—*Ischaemum byrone*—b, identified in the legal descriptions in paragraph (e)(1) of this section, constitute critical habitat for *Ischaemum byrone* on Maui. Within these units, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

(i) Close proximity to the ocean, among rocks or on basalt cliffs in windward coastal dry shrubland and containing one or more of the following associated native plant species: *Bidens* sp., *Fimbristylis cymosa*, or *Scaevola taccada;* and

(ii) Elevations between 0 and 132 m (0 and 432 ft).

FAMILY PRIMULACEAE: ***Lysimachia lydgatei*** (NCN)

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

(i) Sides of steep ridges in *Metrosideros polymorpha-Dicranopteris linearis*-dominated wet to mesic shrubland or *M. polymorpha-Cheirodendron* spp. montane forest and containing one or more of the following associated native plant species: *Astelia* sp., *Broussaisia arguta*, *Coprosma* spp., *Dodonaea viscosa*, *Eurya sandwicensis*, *Ilex anomala*, *Leptecophylla tameiameiae*, *Lycopodium* spp., *Ochrosia* spp., *Vaccinium spp.*, or mat ferns such as *Dicranopteris* spp.; and

(ii) Elevations between 829 and 1,432 m (2,720 and 4,698 ft).

FAMILY RHAMNACEAE: ***Colubrina oppositifolia*** (KAUILA)

Maui 13—*Colubrina oppositifolia*—a, Maui 17—*Colubrina oppositifolia*—b, and Maui 18—*Colubrina oppositifolia*—c, identified in the legal descriptions in paragraph (e)(1) of this section, constitute critical habitat for *Colubrina oppositifolia* on Maui. Within these units, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

(i) Lowland dry and mesic forests dominated by *Diospyros sandwicensis* and containing one or more of the following associated native plant species: *Bidens micrantha* spp. *micrantha*, *Canavalia* spp., *Dodonaea viscosa*, *Freycinetia arborea*, *Metrosideros polymorpha*, *Microlepia strigosa*, *Pleomele auwahiensis*, *Psydrax odorata*, *Reynoldsia sandwicensis*, or *Wikstroemia* sp.; and

(ii) Elevations between 193 and 844 m (633 and 2,769 ft).

FAMILY RHAMNACEAE: ***Gouania vitifolia*** (NCN)

Maui 17—*Gouania vitifolia*—a, identified in the legal description in paragraph (e)(1) of this section, constitutes critical habitat for *Gouania vitifolia* on Maui. Within this unit, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

(i) The sides of ridges and gulches in dry to mesic forests and containing one or more of the following associated native plant species: *Bidens* sp., *Carex meyenii*, *Chamaesyce* spp., *Diospyros sandwicensis*, *Dodonaea viscosa*, *Erythrina sandwicensis*, *Hedyotis* sp., *Hibiscus* spp., *Melicope* sp., *Nestegis sandwicensis*, *Pipturus albidus*, *Psychotria* sp., or *Urera glabra;* and

(ii) Elevations between 357 and 1,167 m (1,171 and 3,829 ft).

FAMILY RUBIACEAE: ***Hedyotis coriacea*** (KIOELE)

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

(i) Steep, rocky slopes in dry lowland *Dodonaea viscosa*-dominated shrublands and containing one or more of the following associated native plant species: *Bidens menziesii*, *Gouania hillebrandii*, *Melanthera lavarum*, *Myoporum sandwicense*, *Schiedea menziesii*, or *Sida fallax;* and

(ii) Elevations between 159 and 754 m (522 and 2,474 ft).

FAMILY RUBIACEAE: ***Hedyotis mannii*** (PILO)

Maui 17—*Hedyotis mannii*—a, identified in the legal description in paragraph (e)(1) of this section, constitutes critical habitat for *Hedyotis mannii* on Maui. Within this unit, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

(i) Basalt cliffs along stream banks in *Metrosideros polymorpha-Dicranopteris linearis* montane wet forest and containing one or more of the following associated native plant species: *Boehmeria grandis*, *Carex meyenii*, *Cyrtandra grayi*, *Cyrtandra hawaiensis*, *Cyrtandra platyphylla*, *Cyanea* sp., *Hedyotis acuminata*, *Isachne distichophylla*, *Machaerina* sp., *Phyllostegia* sp., *Pipturus albidus*, *Psychotria* sp., *Touchardia latifolia*, or *Urera glabra;* and

(ii) Elevation between 340 and 1,593 m (1,115 and 5,226 ft).

FAMILY RUTACEAE: ***Melicope adscendens*** (ALANI)

Maui 13—*Melicope adscendens*—a, identified in the legal description in paragraph (e)(1) of this section, constitutes critical habitat for *Melicope adscendens* on Maui. Within this unit, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

(i) Aa lava with pockets of soil in *Nestegis sandwicensis-Pleomele auwahiensis-Dodonaea viscosa* lowland mesic forest or open dry forest and containing one or more of the following associated native plant species: *Alphitonia ponderosa*, *Chamaesyce celastroides* var. *lorifolia*, *Leptecophylla tameiameiae*, *Osteomeles anthyllidifolia*, *Pouteria sandwicensis*, *Santalum ellipticum*, or *Xylosma hawaiiensis;* and

(ii) Elevations between 761 and 1,209 m (2,497 and 3,967 ft).

FAMILY RUTACEAE: ***Melicope balloui*** (ALANI)

Maui 8—*Melicope balloui*—a and Maui 9—*Melicope balloui*—b, identified in the legal descriptions in paragraph (e)(1) of this section, constitute critical habitat for *Melicope balloui* on Maui. Within these units, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

(i) Mesic to wet forest containing one or more of the following associated native plant species: *Acacia koa*, *Cibotium chamissoi*, *Cibotium glaucum*, *Diplazium sandwichianum*, *Melicope clusiifolia*, *Metrosideros polymorpha*, or *Sadleria pallida;* and

(ii) Elevations between 781 and 1,544 m (2,561 and 5,267 ft).

FAMILY RUTACEAE: ***Melicope knudsenii*** (ALANI)

Maui 9—*Melicope knudsenii*—a and Maui 13—*Melicope knudsenii*—b, identified in the legal descriptions in paragraph (e)(1) of this section, constitute critical habitat for *Melicope knudsenii* on Maui. Within these units, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

(i) Forested flats or talus slopes in *Nestegis sandwicensis-Pleomele* sp. mixed open dry forests and containing one or more of the following associated native plant species: *Alphitonia ponderosa*, *Dodonaea viscosa*, *Osteomeles anthyllidifolia*, *Santalum ellipticum*, or *Xylosma hawaiiensis;* and

(ii) Elevations between 648 and 1,231 m (2,125 and 4,039 ft).

FAMILY RUTACEAE: ***Melicope mucronulata*** (ALANI)

Maui 9—*Melicope mucronulata*—a and Maui 13—*Melicope mucronulata*—b, identified in the legal descriptions in paragraph (e)(1) of this section, constitute critical habitat for *Melicope mucronulata* on Maui. Within these units, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

(i) Gentle south-facing slopes in lowland dry to mesic forest and containing one or more of the following associated species: *Antidesma pulvinatum*, *Dodonaea viscosa*, *Melicope hawaiensis*, *Nestegis sandwicensis*, *Pleomele auwahiensis*, *Pouteria sandwicensis*, or *Streblus pendulinus;* and

(ii) Elevations between 625 and 1,232 m (2,050 and 4,042 ft).

FAMILY RUTACEAE: ***Melicope ovalis*** (ALANI)

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

(i) *Acacia koa* and *Metrosideros polymorpha*-dominated montane wet forests along streams and containing one or more of the following associated species: *Broussaisia arguta*, *Cheirodendron trigynum*, *Dicranopteris linearis*, *Dubautia plantaginea*, *Hedyotis hillebrandii*, *Labordia hedyosmifolia*, *Machaerina angustifolia*, *Perrottetia sandwicensis*, or *Wikstroemia oahuensis;* and

(ii) Elevations between 753 and 1,537 m (2,469 and 5,042 ft).

FAMILY RUTACEAE: ***Zanthoxylum hawaiiense*** (AE)

Maui 8—*Zanthoxylum hawaiiense*—a, identified in the legal description in paragraph (e)(1) of this section, constitutes critical habitat for *Zanthoxylum hawaiiense* on Maui. Within this unit, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

(i) Open lowland dry or mesic *Nestegis sandwicensis-Pleomele auwahiensis* forest or Acacia koa-Pleomele auwahiensis forest or montane dry forest and containing one or more of the following associated native species: *Alectryon macrococcus*, *Alphitonia ponderosa*, *Charpentiera* sp., *Diospyros sandwicensis*, *Dodonaea viscosa*, *Melicope* sp., *Metrosideros polymorpha*, *Myrsine lanaiensis*, *Osteomeles anthyllidifolia*, *Pisonia* sp., *Santalum ellipticum, Sophora chrysophylla, Streblus pendulinus,* or *Xylosma hawaiiensis;* and

(ii) Elevations between 869 and 1,298 m (2,852 and 4,260 ft).

FAMILY SAPINDACEAE: ***Alectryon macrococcus*** (MAHOE)

Maui 9—*Alectryon macrococcus*—a, Maui 10—*Alectryon macrococcus*—b, Maui 13—*Alectryon macrococcus*—c, Maui 17—*Alectryon macrococcus*—d, Maui 17—*Alectryon macrococcus*—e, and Maui 18—*Alectryon macrococcus*—f, identified in the legal descriptions in paragraph (e)(1) of this section, constitute critical habitat for *Alectryon macrococcus* on Maui. Within these units, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

(i) Mesic to wetter mesic and upper dryland forest and containing one or more of the following associated native plant species: *Alphitonia ponderosa*, *Antidesma platyphylla*, *Antidesma pulvinatum*, *Bobea sandwicensis*, *Diospyros sandwicensis*, *Dodonaea viscosa*, *Nestegis sandwicensis*, *Osteomeles anthyllidifolia*, *Pittosporum confertiflorum*, *Pittosporum glabrum*, *Pouteria sandwicensis*, *Santalum ellipticum*, *Streblus pendulinus*, *Xylosma hawaiiensis*, or *Xylosma* sp.; and

(ii) Elevations between 333 and 1,191 m (1,092 and 3,909 ft).

FAMILY URTICACEAE: ***Neraudia sericea*** (NCN)

Maui 9—*Neraudia sericea*—a and Maui 17—*Neraudia sericea*—b, identified in the legal descriptions in paragraph (e)(1) of this section, constitute critical habitat for *Neraudia sericea* on Maui. Within these units, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

(i) Dry to mesic *Metrosideros polymorpha-Dodonaea viscosa-Leptecophylla tameiameiae* shrubland or forest or *Acacia koa* forest and containing one or more of the following associated native plant species: *Bobea* sp., *Coprosma* sp., *Cyrtandra oxybapha*, *Cyrtandra* spp., *Diospyros* sp., *Hedyotis* sp., *Sida fallax*, or *Urera glabra;* and

(ii) Elevations between 198 and 1,658 m (650 and 5,439 ft).

FAMILY VIOLACEAE: ***Isodendrion pyrifolium*** (AUPAKA)

Maui 17—*Isodendrion pyrifolium*—a, identified in the legal description in paragraph (e)(1) of this section, constitutes critical habitat for *Isodendrion pyrifolium* on Maui. Within this unit, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

(i) Dry shrubland containing one or more of the following associated native plant taxa: *Capparis sandwichiana*, *Dodonaea viscosa*, *Myoporum sandwicense*, or *Psydrax odorata;* and

(ii) Elevations between 85 and 534 m (279 and 1,752 ft).

(2) *Ferns and allies.*

FAMILY ADIANTACEAE: ***Pteris lidgatei*** (NCN)

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

(i) Steep stream banks in wet *Metrosideros polymorpha-Dicranopteris linearis* montane forest and containing one or more of the following native plant species: *Christella cyatheoides*, *Cibotium chamissoi*, *Dicranopteris linearis*, *Elaphoglossum crassifolium*, *Sadleria squarrosa*, or *Sphenomeris chinensis;* and

(ii) Elevations between 213 and 1,593 m (699 and 5,226 ft).

FAMILY ASPLENIACEAE: ***Asplenium fragile*** VAR. ***insulare*** (NCN)

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

(i) Streamside hollows and grottos in gulches in mesic to dry subalpine shrubland dominated by *Leptecophylla tameiameiae* and *Sadleria cyatheoides*, with scattered *Metrosideros polymorpha* and containing one or more of the following native plant species: *Dryopteris wallichiana*, *Grammitis hookeri*, or *Pteris cretica;* and

(ii) Elevations between 1,964 and 2,407 m (6,445 and 7,896 ft).

FAMILY ASPLENIACEAE: ***Ctenitis squamigera*** (PAUOA)

Maui 17—*Ctenitis squamigera*—a, Maui 17—*Ctenitis squamigera*—b, Maui 17—*Ctenitis squamigera*—c, and Maui 18—*Ctenitis squamigera*—d, identified in the legal descriptions in paragraph (e)(1) of this section, constitute critical habitat for *Ctenitis squamigera* on Maui. Within these units, the primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

(i) Forest understory in *Metrosideros polymorpha* montane wet forest, mesic forest, or diverse mesic forest and containing one or more of the following native plant species: *Alyxia oliviformis*, *Antidesma* sp., *Bobea* sp., *Canavalia* sp., *Coprosma* sp., *Dicranopteris linearis*, *Doodia* sp., *Dryopteris* sp., *Freycinetia arborea*, *Hedyotis terminalis*, *Hibiscus kokio* ssp. *kokio*, *Myrsine* sp., *Peperomia* sp., *Pittosporum* sp., *Pleomele* sp., *Pritchardia* sp., *Psychotria* sp., *Remya mauiensis*, *Sadleria* sp., *Schiedea pubescens* var. *pubescens*, or *Xylosma* sp.; and

(ii) Elevations between 275 and 1,421 m (902 and 4,662 ft).

FAMILY ASPLENIACEAE: ***Diellia erecta*** (NCN)

Maui 9—*Diellia erecta*—a, Maui 9—*Diellia erecta*—b, Maui 17—*Diellia erecta*—c, Maui 17—*Diellia erecta*—d, Maui 17—*Diellia erecta*—e, and Maui 17—*Diellia erecta*—f, identified in the legal descriptions in paragraph (e)(1) of this section, constitute critical habitat for *Diellia erecta* on Maui. Within these units, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

(i) Steep slopes or gulch sides in deep shade in *Acacia koa-Metrosideros polymorpha* low- to mid-elevation mesic forest and containing one or more of the following associated native plant species: *Coprosma* sp., *Dodonaea viscosa*,

Dryopteris unidentata, *Leptecophylla tameiameiae*, *Melicope* sp., *Myrsine* sp., *Osteomeles anthyllidifolia*, or *Psychotria* sp.; and

(ii) Elevations between 338 and 1,695 m (1,109 and 5,561 ft).

FAMILY ASPLENIACEAE: ***Diplazium molokaiense*** (NCN)

Maui 8—*Diplazium molokaiense*—a, Maui 9—*Diplazium molokaiense*—b, and Maui 17—*Diplazium molokaiense*—c, identified in the legal descriptions in paragraph (e)(1) of this section, constitute critical habitat for *Diplazium molokaiense* on Maui. Within these units, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

(i) Water courses, often in proximity to waterfalls, in lowland or montane mesic *Metrosideros polymorpha-Acacia koa* forest; and

(ii) Elevations between 273 and 1,885 m (896 and 6,186 ft).

FAMILY LYCOPODIACEAE: ***Phlegmariurus mannii*** (WAWAEIOLE)

Maui 8—*Phlegmariurus mannii*—a, Maui 9—*Phlegmariurus mannii*—b, Maui 9—*Phlegmariurus mannii*—c, Maui 17—*Phlegmariurus mannii*—d, and Maui 17—*Phlegmariurus mannii*—e, identified in the legal descriptions in paragraph (e)(1) of this section, constitute critical habitat for *Phlegmariurus mannii* on Maui. Within these units, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

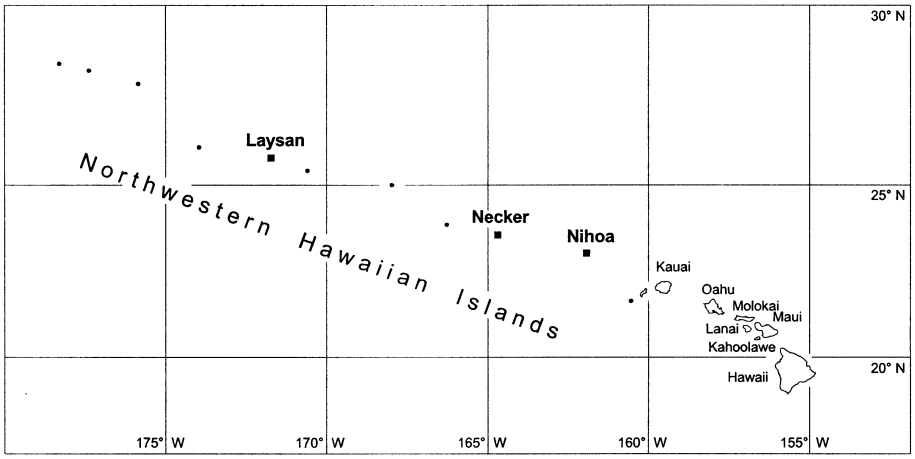
(i) Epiphytic growth on *Metrosideros polymorpha*, *Dodonaea viscosa*, or *Acacia koa* trees in moist protected gulches or mossy tussocks in mesic to wet montane M*etrosideros polymorpha-Acacia koa* forests and containing one or more of the following associated native plant species: *Astelia menziesii*, *Athyrium* sp., *Cheirodendron trigynum*, *Coprosma* sp., *Cyanea* sp., *Cyrtandra* sp., *Ilex anomala*, *Leptecophylla tameiameiae*, *Machaerina* sp., *Myrsine* sp., *Sadleria* sp., *Thelypteris* sp., or *Vaccinium* sp.; and

(ii) Elevations from 952 and 1,688 m (3,122 and 5,539 ft).

(g) *Maps and critical habitat unit descriptions for the Northwestern Hawaiian Islands.* The following paragraphs contain the legal descriptions of the critical habitat units designated for the Northwestern Hawaiian Islands. Existing manmade features within boundaries of the mapped areas, such as water features, telecommunications equipment, arboreta and gardens, and heiau (indigenous places of worship or shrines) and other archaeological sites do not contain one or more of the primary constituent elements described for each species in paragraphs (h) of this section and therefore are not included in the critical habitat designations. Coordinates are in WGS84 datum. See Map 1 for the general locations of the seven critical habitat units designated for the islands of Laysan, Nihoa, and Necker.

(1) Index map—Map 1—follows:

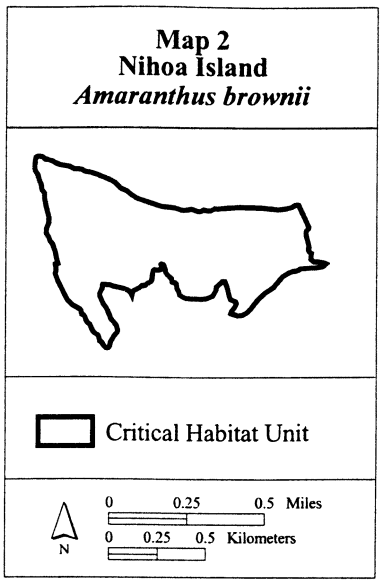
Map 1 - General Locations of Units for Five Species of Plants
Islands of Laysan, Necker, and Nihoa



(2) Nihoa 1—*Amaranthus brownii*—entire island (approximately 69 ha; 171 ac).

(i) Nihoa Island is located between 23°3′ N. and 23°4′ N. and between 161°54′ W. and 161°56′ W.

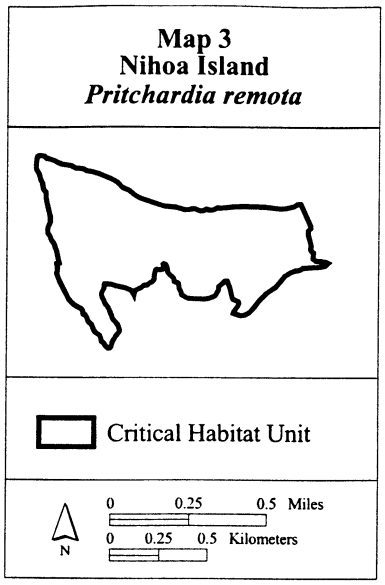
(ii) NOTE: Map 2 follows:



(3) Nihoa 2—*Pritchardia remota*—entire island (approximately 69 ha; 171 ac).

(i) Nihoa Island is located between 23°3′ N. and 23°4′ N. and between 161°54′ W. and 161°56′ W.

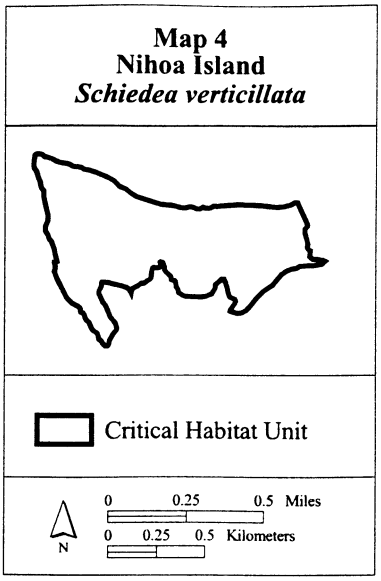
(ii) NOTE: Map 3 follows:



(4) Nihoa 3—*Schiedea verticillata*—entire island (approximately 69 ha; 171 ac).

(i) Nihoa Island is located between 23°3′ N. and 23°4′ N. and between 161°54′ W. and 161°56′ W.

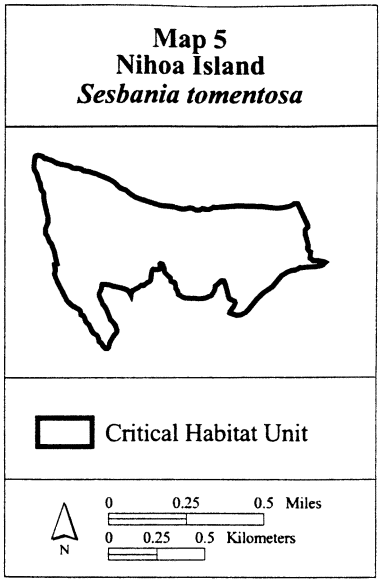
(ii) NOTE: Map 4 follows:



(5) Nihoa 4—*Sesbania tomentosa*—entire island (approximately 69 ha; 171 ac).

(i) Nihoa Island is located between 23°3′ N. and 23°4′ N. and between 161°54′ W. and 161°56′ W.

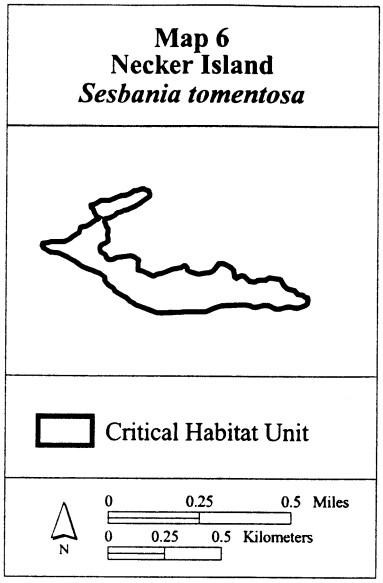
(ii) NOTE: Map 5 follows:



(6) Necker 1—*Sesbania tomentosa*—entire island (approximately 18 ha; 46 ac).

(i) Necker Island is located between 23°34′ N. and 23°35′ N. and between 164°41′ W. and 164°43′ W.

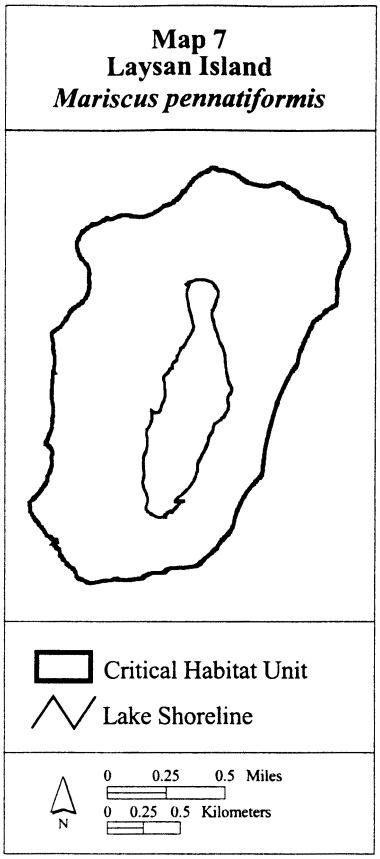
(ii) NOTE: Map 6 follows:



(7) Laysan 1—*Mariscus pennatiformis*—entire island (approximately 405 ha; 1,219 ac).

(i) Laysan Island is located between 25°45′ N. and 25°47′ N. and between 171°43′ W. and 171°45′ W.

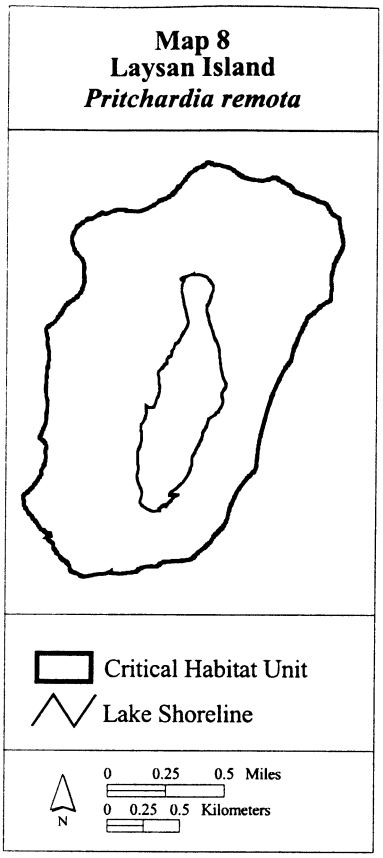
(ii) NOTE: Map 7 follows:



(8) Laysan 2—*Pritchardia remota*—entire island (approximately 405 ha; 1,219 ac).

(i) Laysan Island is located between 25°45′ N. and 25°47′ N. and between 171°43′ W. and 171°45′ W.

(ii) NOTE: Map 8 follows:



(9) TABLE OF PROTECTED SPECIES WITHIN EACH CRITICAL HABITAT UNIT FOR THE NORTHWESTERN HAWAIIAN ISLANDS.

Island	Species—Occupied	Species—Unoccupied
Laysan	*Mariscus pennatiformis*	*Pritchardia remota*
Necker	*Sesbania tomentosa.*	
Nihoa	*Pritchardia remota, Schiedea verticillata, Sesbania tomentosa.*	*Amaranthus brownii*

(h) *Plants on the Northwestern Hawaiian Islands; Constituent elements.*

FAMILY AMARANTHACEAE: ***Amaranthus brownii*** (NCN)

Nihoa 1—*Amaranthus brownii,* identified in the legal description in paragraph (g) of this section, constitutes critical habitat for *Amaranthus brownii.*

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

(1) Shallow soil in fully exposed locations on rocky outcrops and containing one or more of the following associated native plant species: *Chenopodium oahuense*, *Eragrostis variabilis*, *Ipomoea indica*, *Ipomoea pes-caprae* ssp. *brasiliensis*, *Panicum torridum*, *Scaevola sericea*, *Schiedea verticillata*, *Sicyos pachycarpus*, *Sida fallax*, or *Solanum nelsonii;* and (2) Elevations between 30 and 242 m (100 and 800 ft).

FAMILY ARECACEAE: ***Pritchardia remota*** (LOULU)

Nihoa 2—*Pritchardia remota*, and Laysan 2—*Pritchardia remota*, identified in the legal descriptions in paragraph (g) of this section, consitute critical habitat for *Pritchardia remota*.

(1) On Nihoa, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

(i) *Pritchardia remota* coastal forest community and containing one or more of the following associated native plant species: *Chenopodium oahuense*, *Sesbania tomentosa*, *Sida fallax*, or *Solanum nelsonii;* and

(ii) Elevations between sea level and 151 m (500 ft).

(2) On Laysan Island, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

(i) Coastal strand habitat with *Chenopodium oahuensee* and *Solanum nelsonii;* and

(ii) Elevations between sea level to 12 m (0 to 40 ft).

FAMILY CARYOPHYLLACEAE: ***Schiedea verticillata*** (NCN)

Nihoa 3—*Schiedea verticillata*, identified in the legal description in paragraph (g) of this section, constitutes critical habitat for *Schiedea verticillata*. On Nihoa, the currently known primary constituent elements of critical habitat for *Schiedea verticillata* include, but are not limited to, the habitat components provided by:

(1) Rocky scree, soil pockets, and cracks on coastal cliff faces and in *Pritchardia remota* coastal mesic forest and containing one or more of the following associated native plant species: *Eragrostis variabilis*, *Rumex albescens*, *Tribulus cistoides*, or lichens; and

(2) Elevations between 30 and 242 m (100 and 800 ft).

FAMILY CYPERACEAE: ***Mariscus pennatiformis*** (NCN)

Laysan 1—*Mariscus pennatiformis*, identified in the legal description in paragraph (g) of this section, constitutes critical habitat for *Mariscus pennatiformis*. On Laysan Island, the currently known primary constituent elements of critical habitat for *Mariscus pennatiformis* include, but are not limited to, habitat components provided by:

(1) Coastal sandy substrate containing one or more of the following associated native plant species: *Cyperus laevigatus*, *Eragrostis variabilis*, or *Ipomoea* sp.; and

(2) Elevation of 5 m (16 ft).

FAMILY FABACEAE: ***Sesbania tomentosa*** (OHAI)

Nihoa 4—*Sesbania tomentosa*, and Necker 1—*Sesbania tomentosa*, identified in the legal descriptions in paragraph (g) of this section, constitute critical habitat for *Sesbania tomentosa*. On Nihoa and Necker, the currently known primary constituent elements of critical habitat for *Sesbania tomentosa* include, but are not limited to, habitat components provided by:

(1) Shallow soil on sandy beaches and dunes in *Chenopodium oahuense* coastal dry shrubland or mixed coastal dry cliffs and containing one or more of the following associated native plant species: *Pritchardia remota*, *Scaevola sericea*, *Sida fallax*, or *Solanum nelsonii;* and

(2) Elevations between sea level and 84 m (0 and 276 ft).

[68 FR 9241, Feb. 27, 2003, as amended at 68 FR 13055, Mar. 18, 2003; 68 FR 26038, May 14, 2003; 68 FR 28072, May 22, 2003; 68 FR 36080, June 17, 2003; 68 FR 39704, July 2, 2003; 75 FR 19097, Apr. 13, 2010]

EDITORIAL NOTE: The remainder of §17.99 appears in 50 Part 17, §17.99(i)–end of part 17.