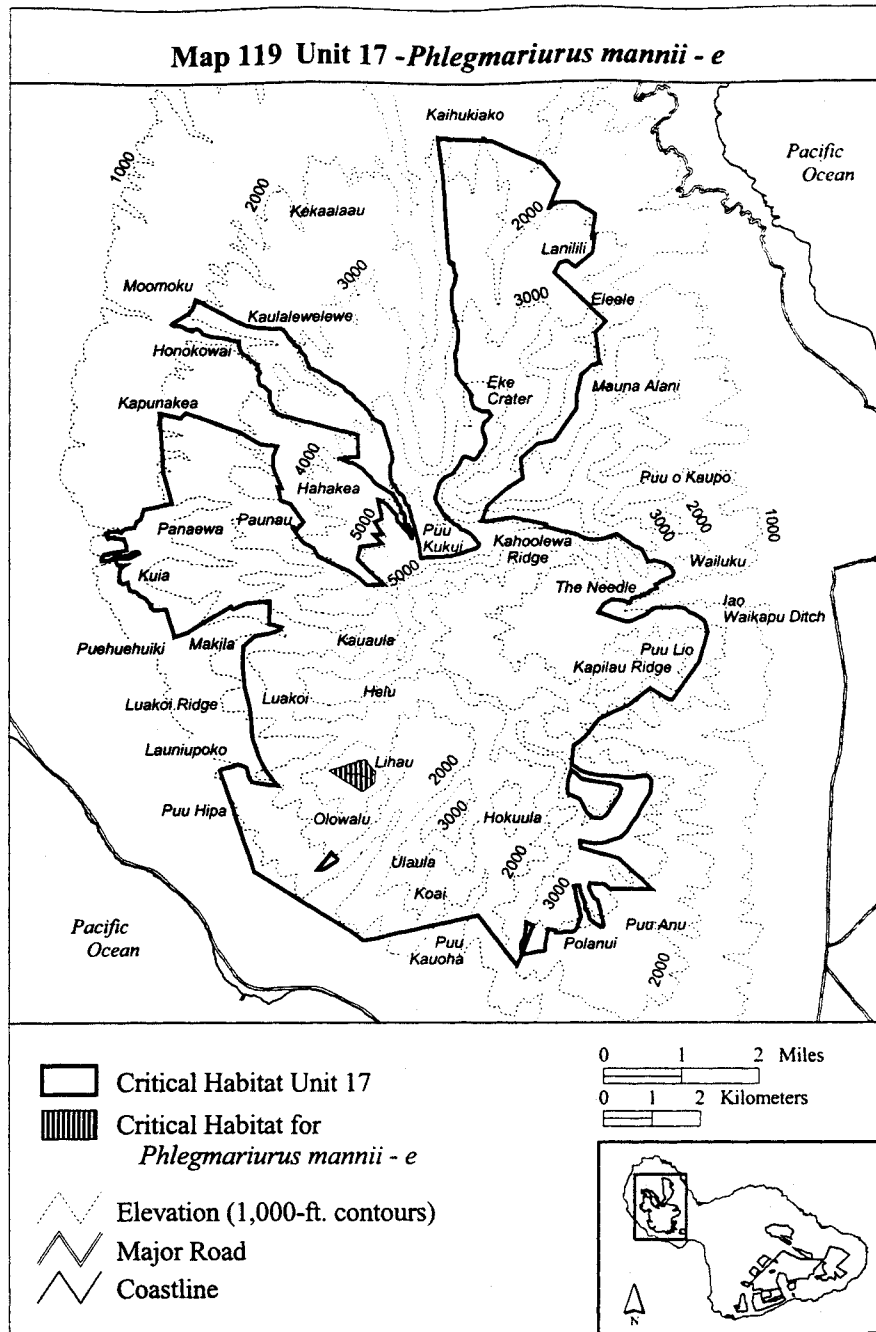


(cxix) Maui 17—*Phlegmariurus mannii*—e (35 ha; 87 ac).

(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:



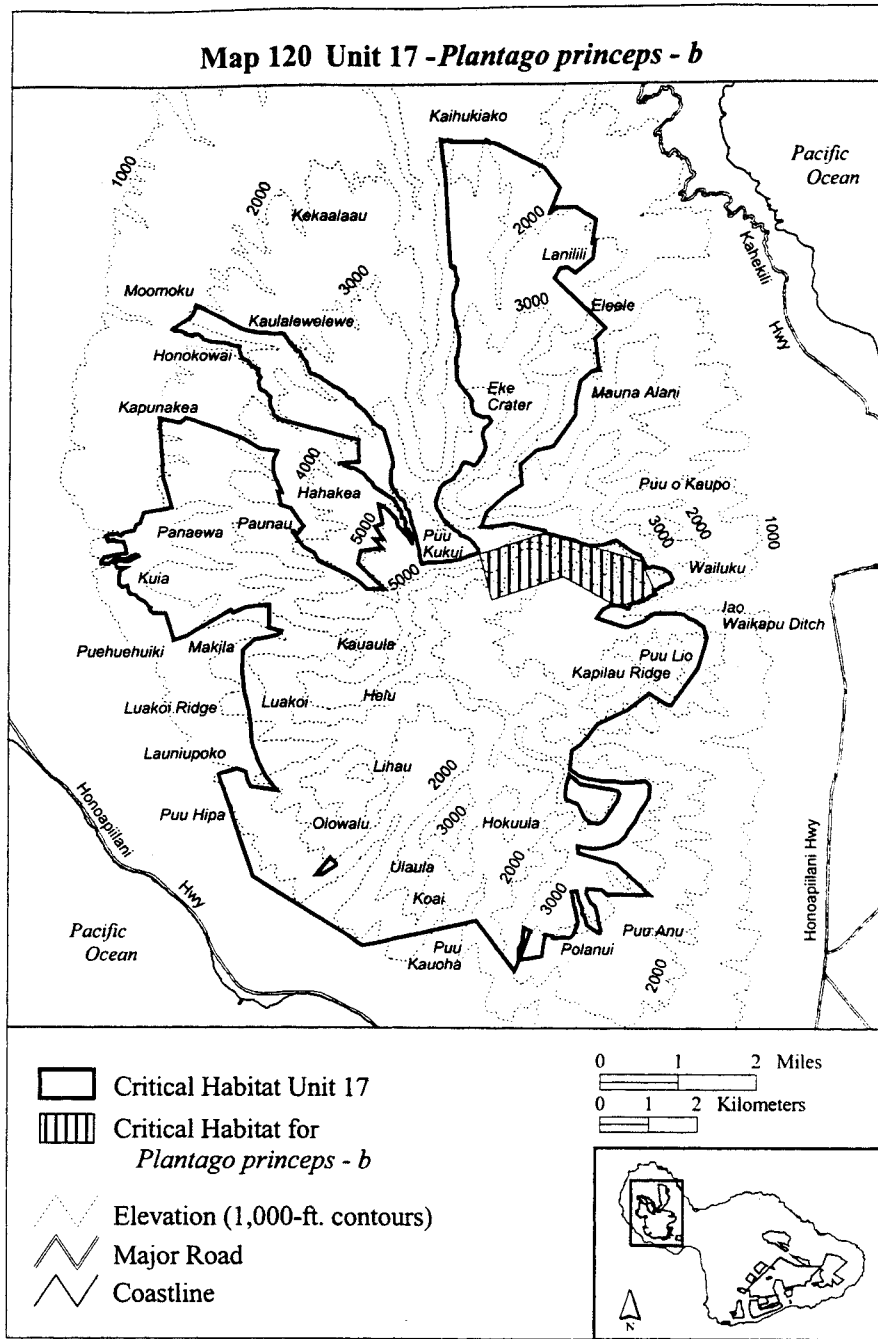
(cxx) Maui 17—*Plantago princeps*—b (327 ha; 808 ac).

(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:

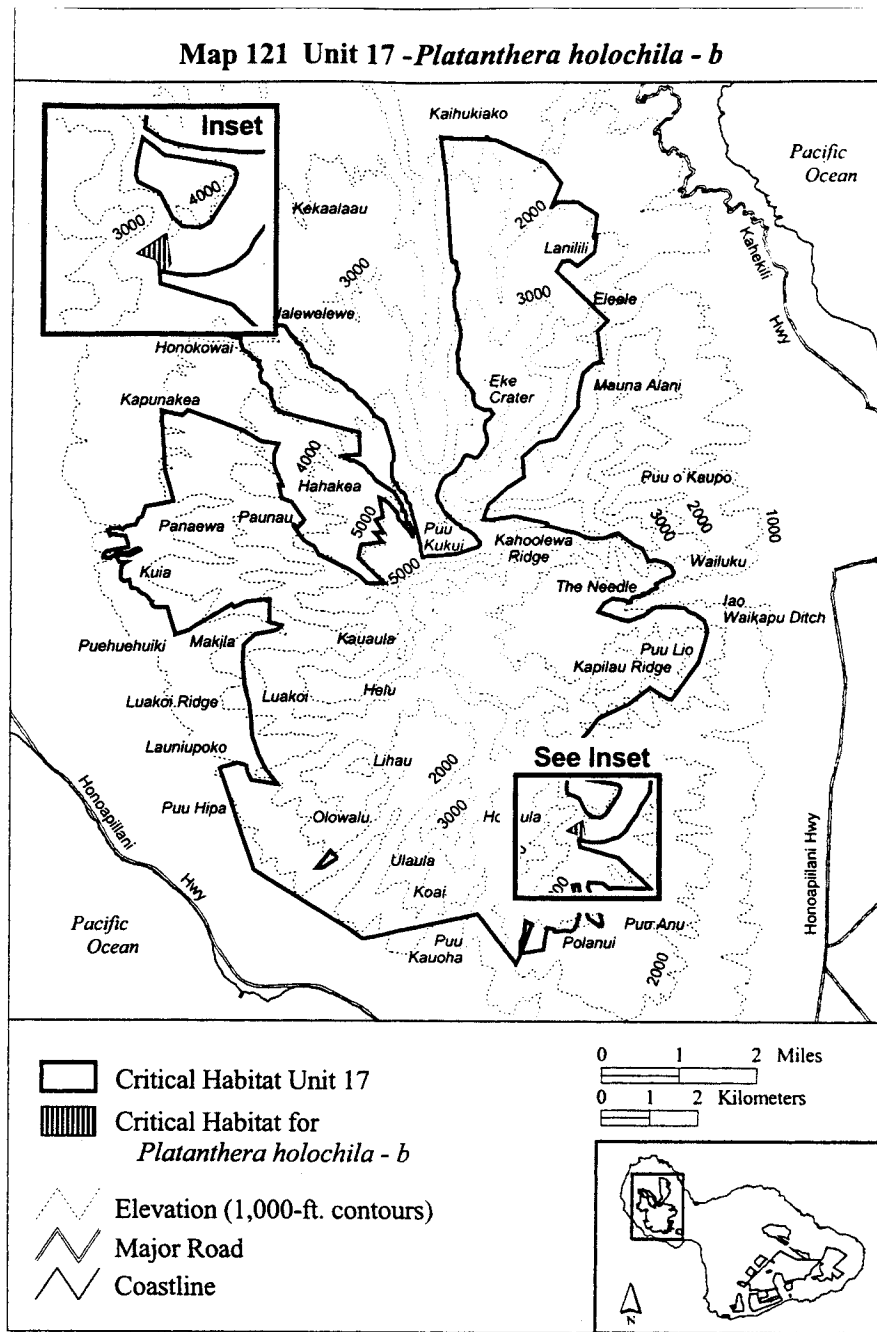


(cxxi) Maui 17—*Platanthera holochila*—b (8 ha; 19 ac).
 (A) Unit consists of the following 7 boundary points: Start at 754412,

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,

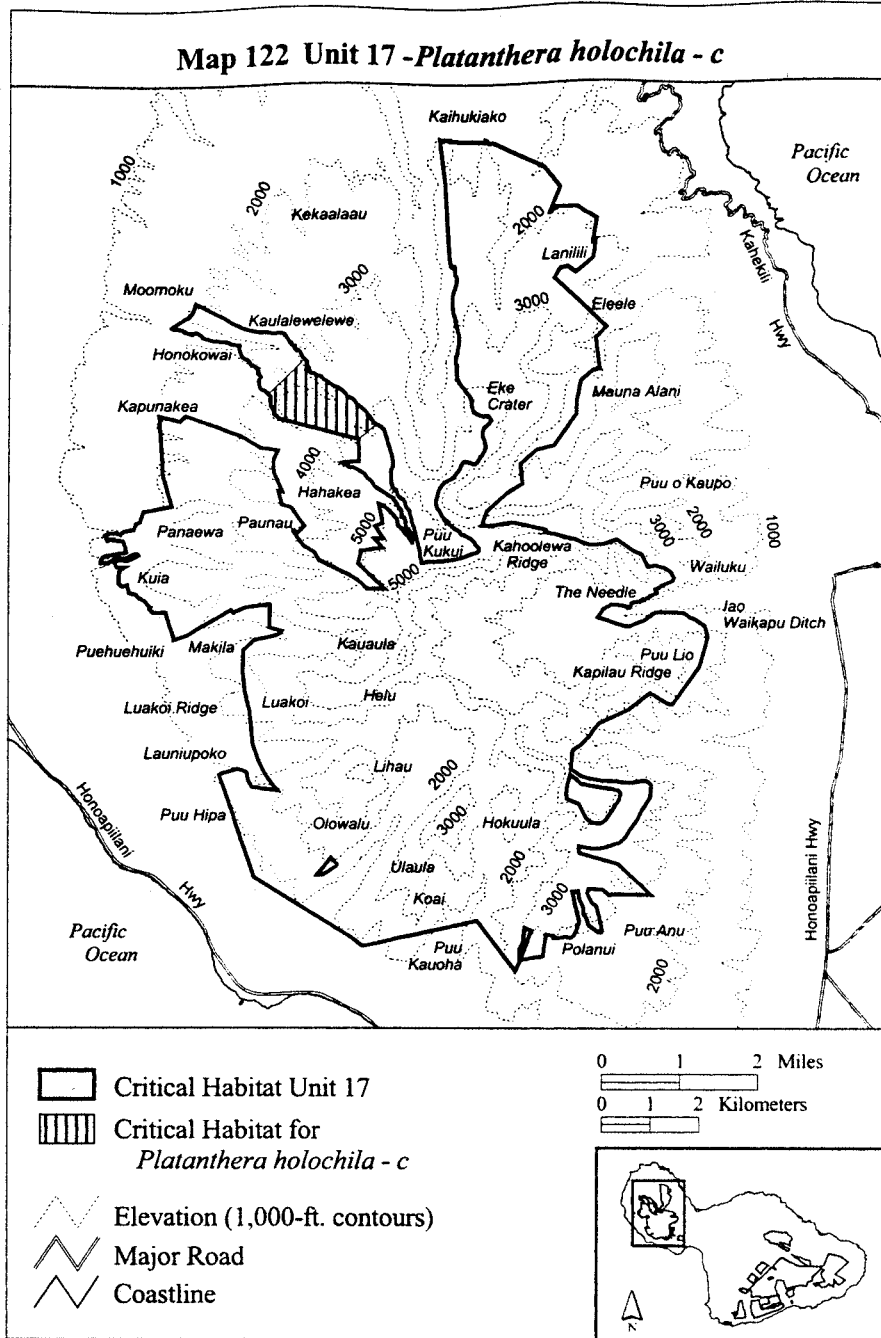
2315403; 747887, 2315423; 747885, 2315426; 748574, 2316083; 748639, 2316154; 748649, 2316141; 748680, 2316102; 748682, 2316095; 748687, 2316079; 748691, 2316057; 748698, 2316026; 748698, 2316025; 748717, 2315987; 748731, 2315953; 748738, 2315922; 748743, 2315901; 748750, 2315885; 748758, 2315876; 748759, 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:



(cxxxiii) 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,

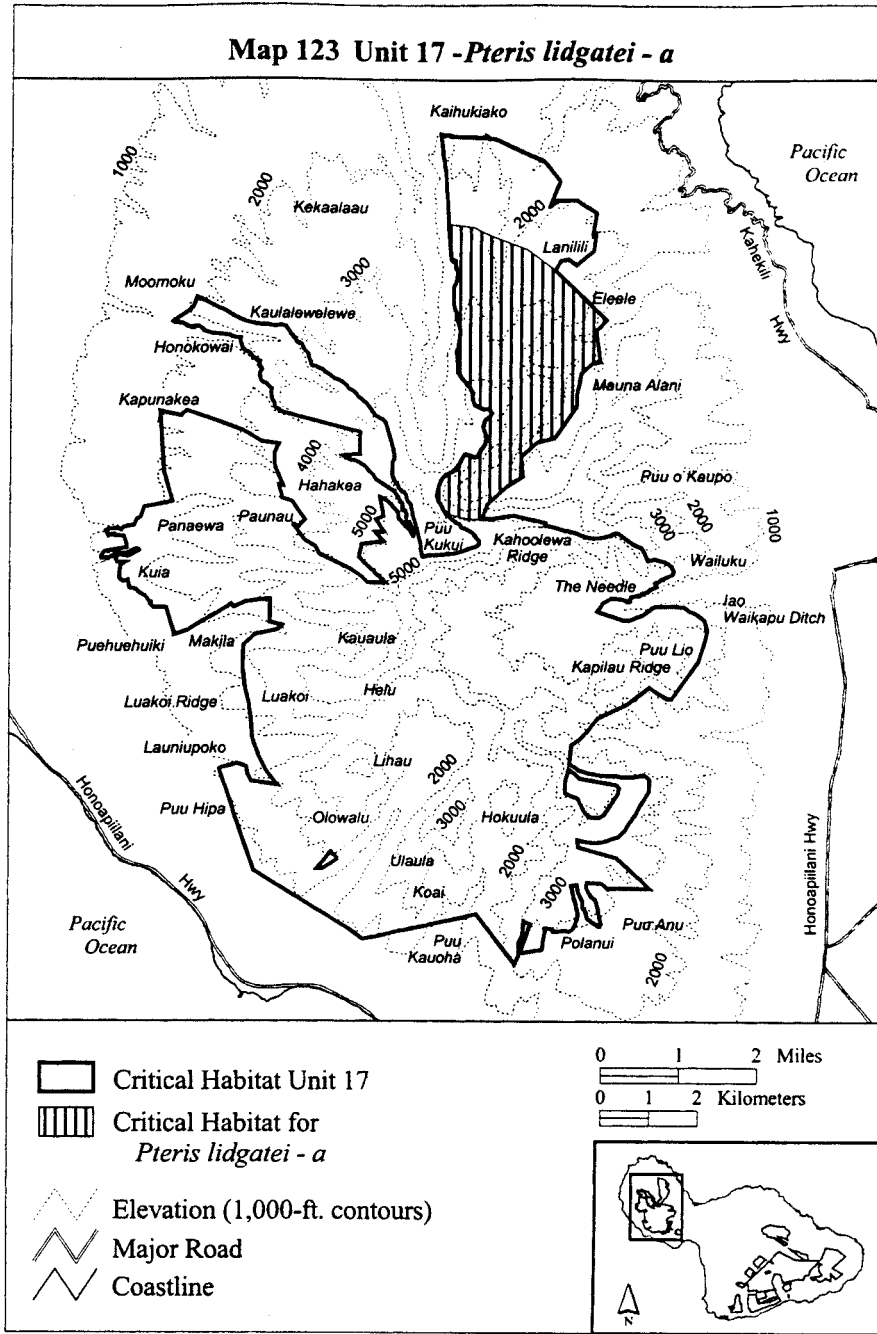
2313556; 751547, 2313568; 751557, 2313585; 751561, 2313589; 751596, 2313611; 751632, 2313629; 751663, 2313639; 751692, 2313653; 751724, 2313678; 751730, 2313685; 751736, 2313691; 751741, 2313698; 751753, 2313712; 751774, 2313739; 751802, 2313779; 751812, 2313796; 751834, 2313826; 751848, 2313852; 751858, 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:



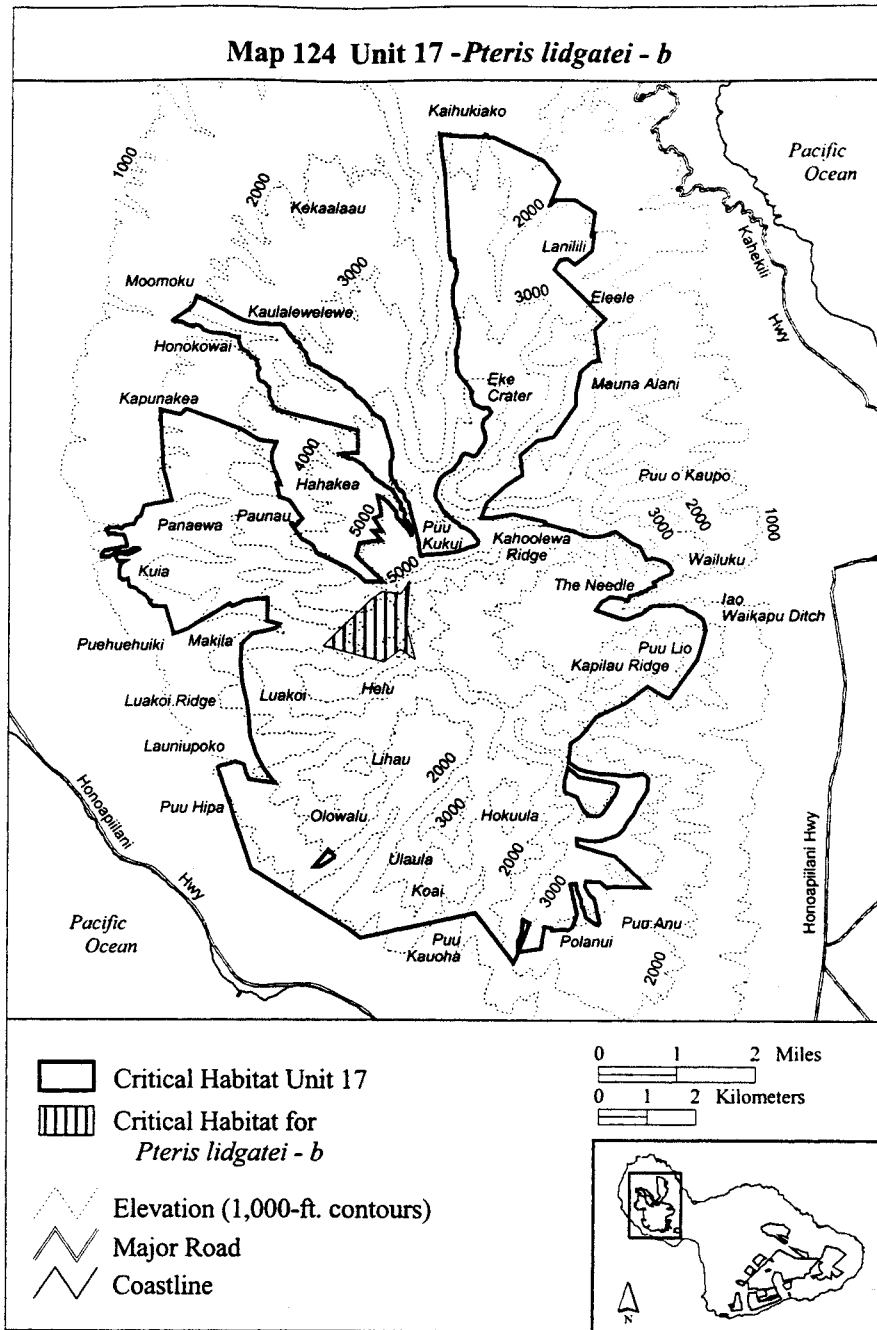
(cxxiv) Maui 17—*Pteris lidgatei*—b
(164 ha; 404 ac).

(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:



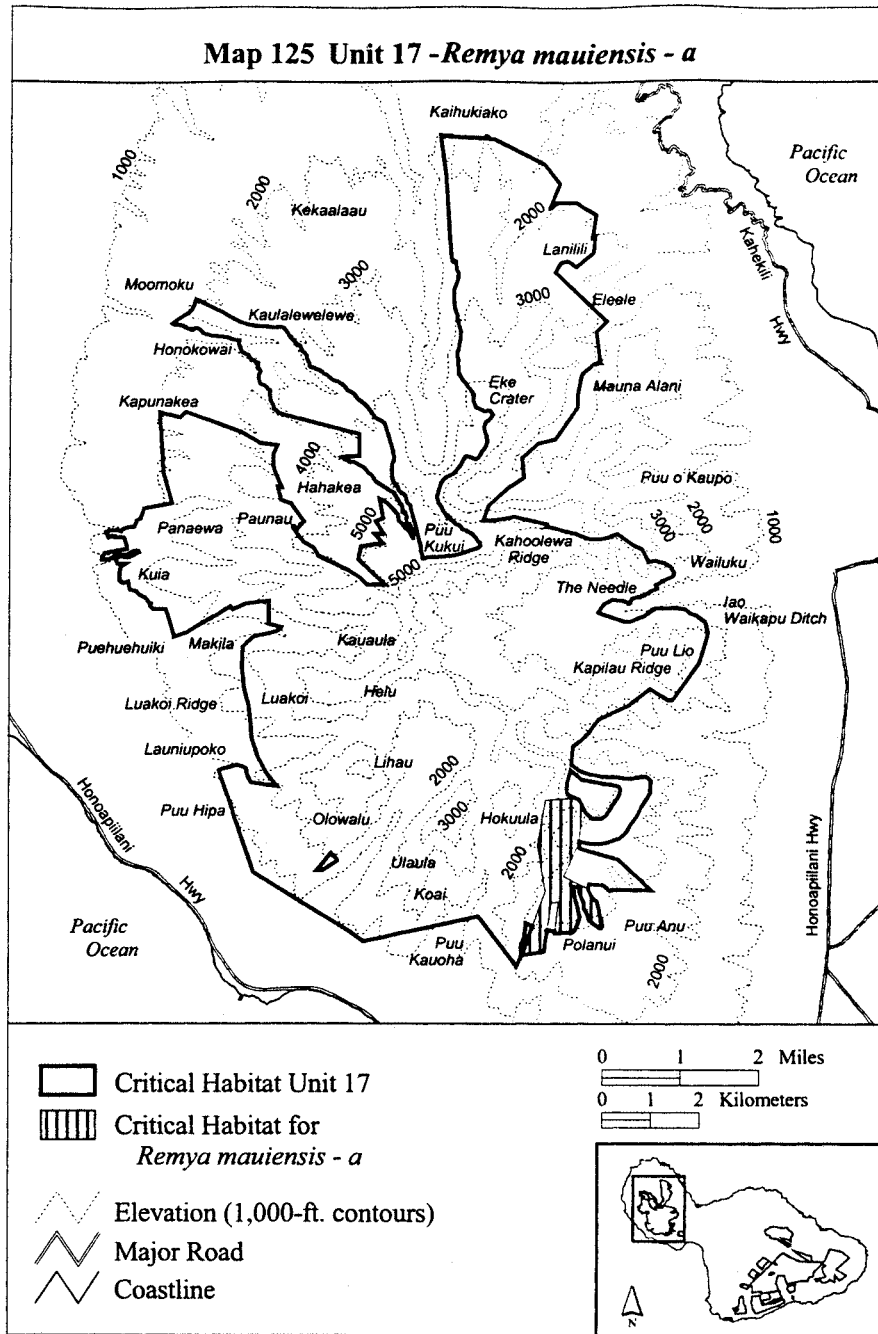
(cxxv) Maui 17—*Remya mauiensis*—a (228 ha; 564 ac).

(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:



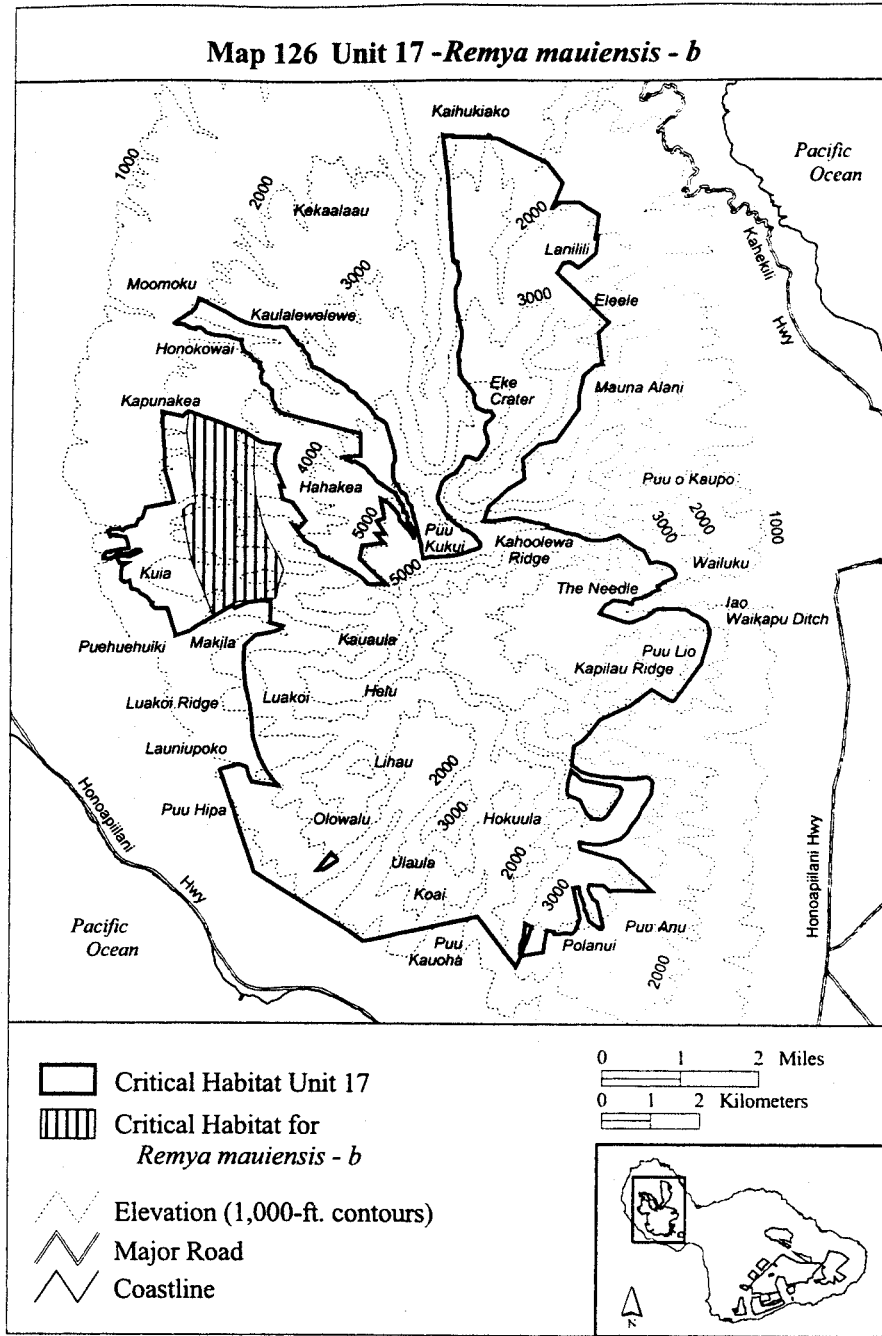
(cxxvi) Maui 17—*remya mauiensis*— b (567 ha; 1,401 ac).

(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:



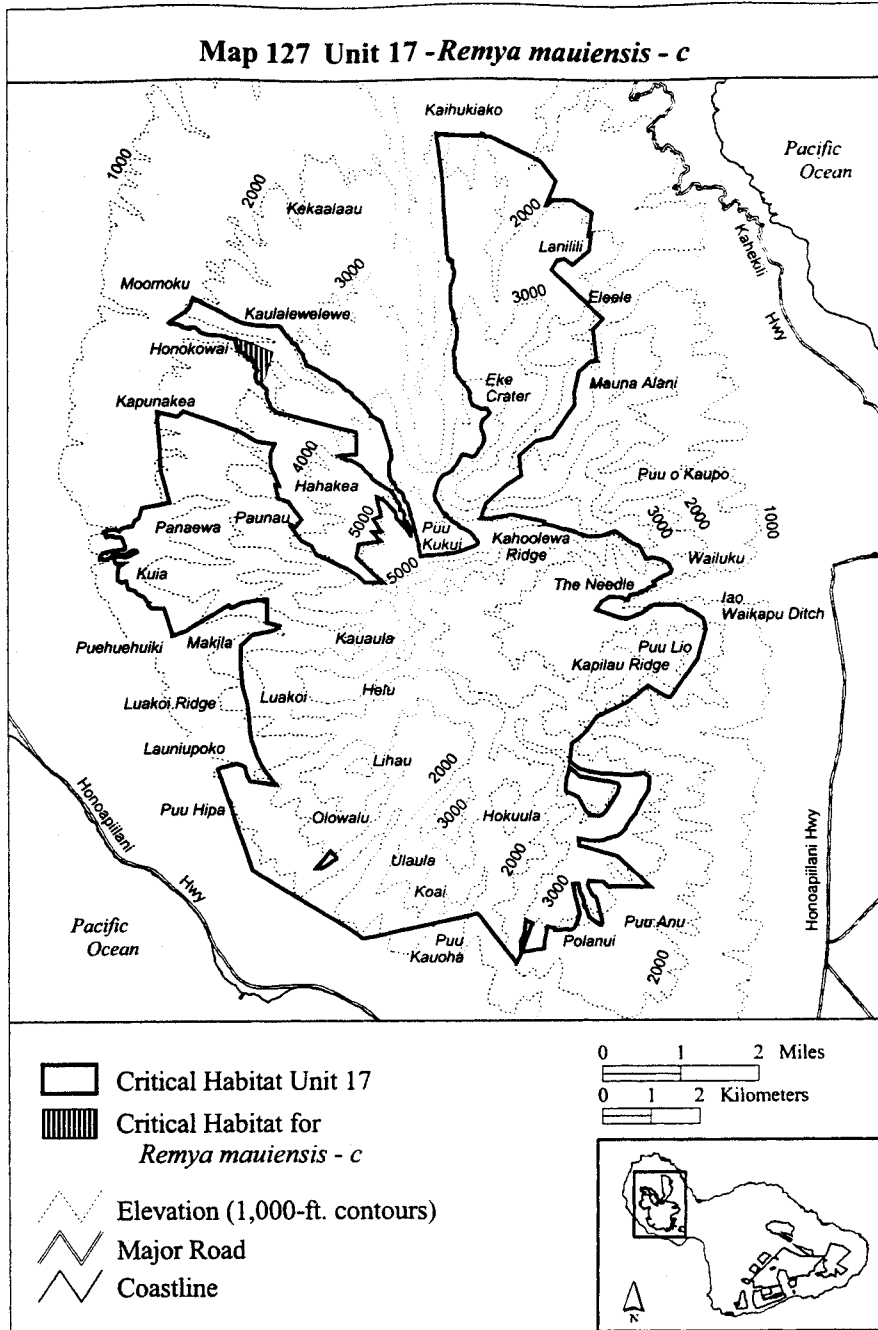
(cxxvii) Maui 17—*Remya mauiensis*— c (32 ha; 78 ac).

(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.

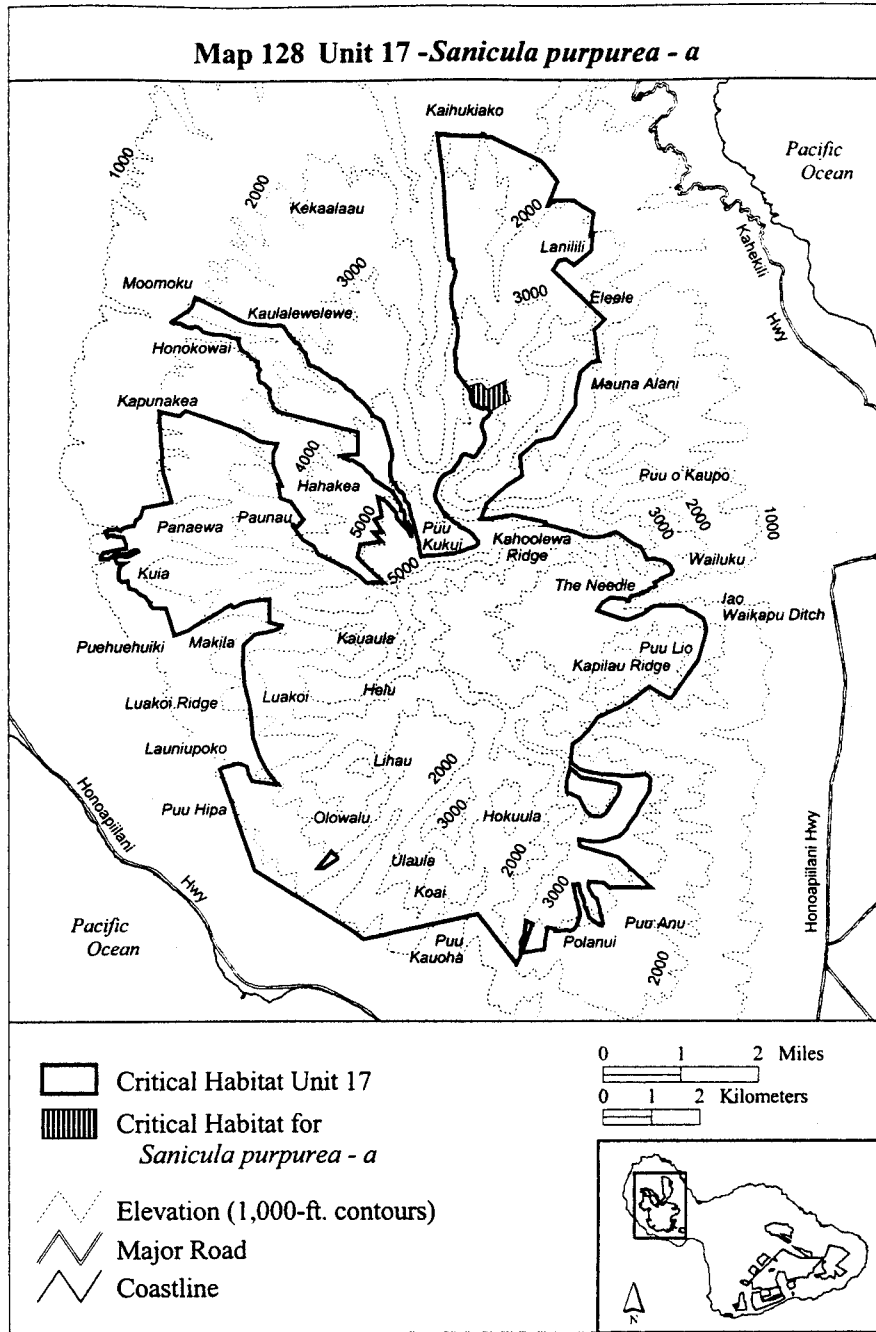
(B) Note: Map 127 follows:



(cxxxviii) 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,

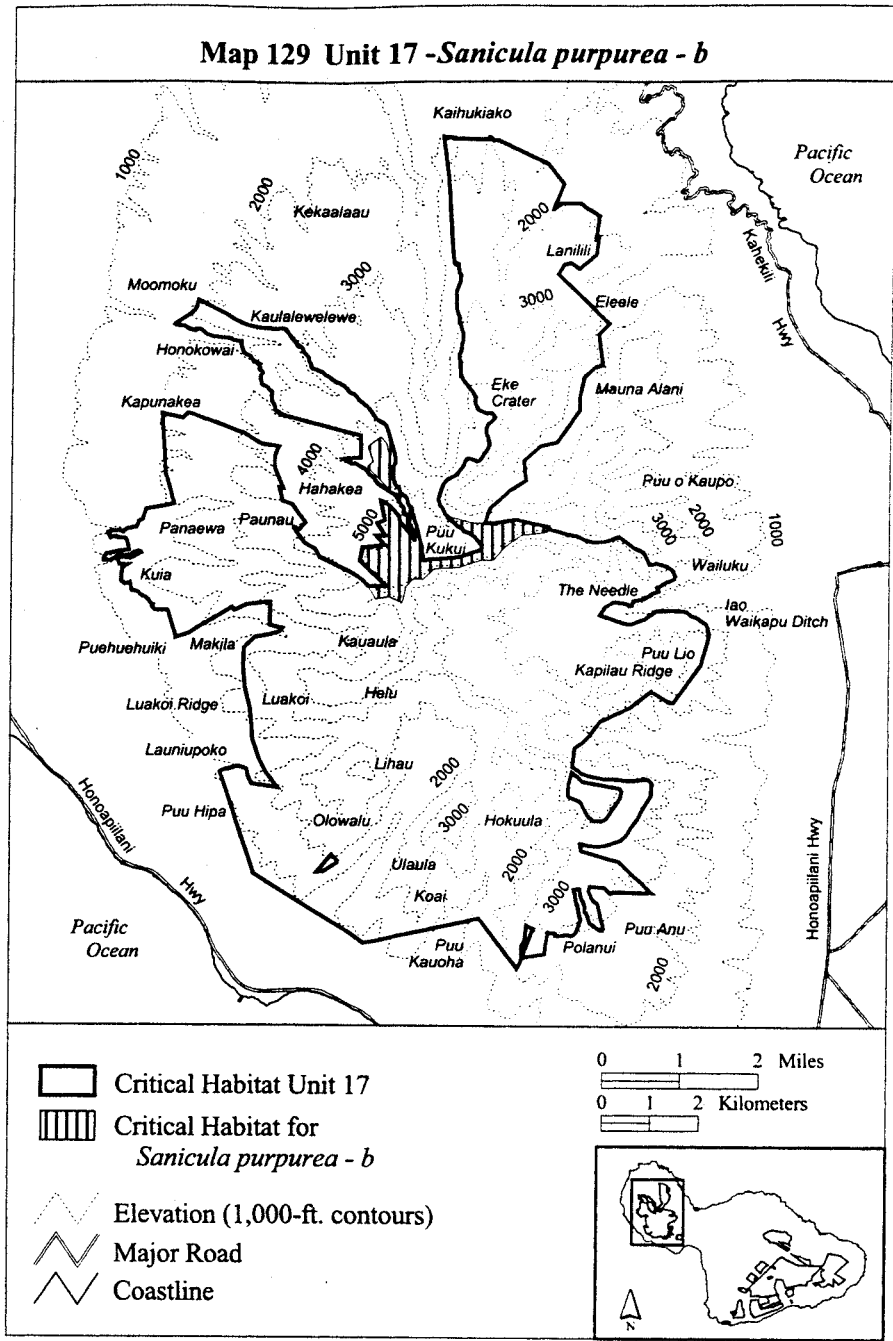
2312752; 750730, 2312793; 750712, 2312846; 750711, 2312846; 750711, 2312847; 750691, 2312851; 750690, 2312851; 750687, 2312849; 750671, 2312852; 750654, 2312855; 750651, 2312867; 750650, 2312873; 750649, 2312880; 750650, 2312898; 750652, 2312927; 750658, 2312963; 750658, 2312964; 750636, 2313003; 750632, 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,
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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:



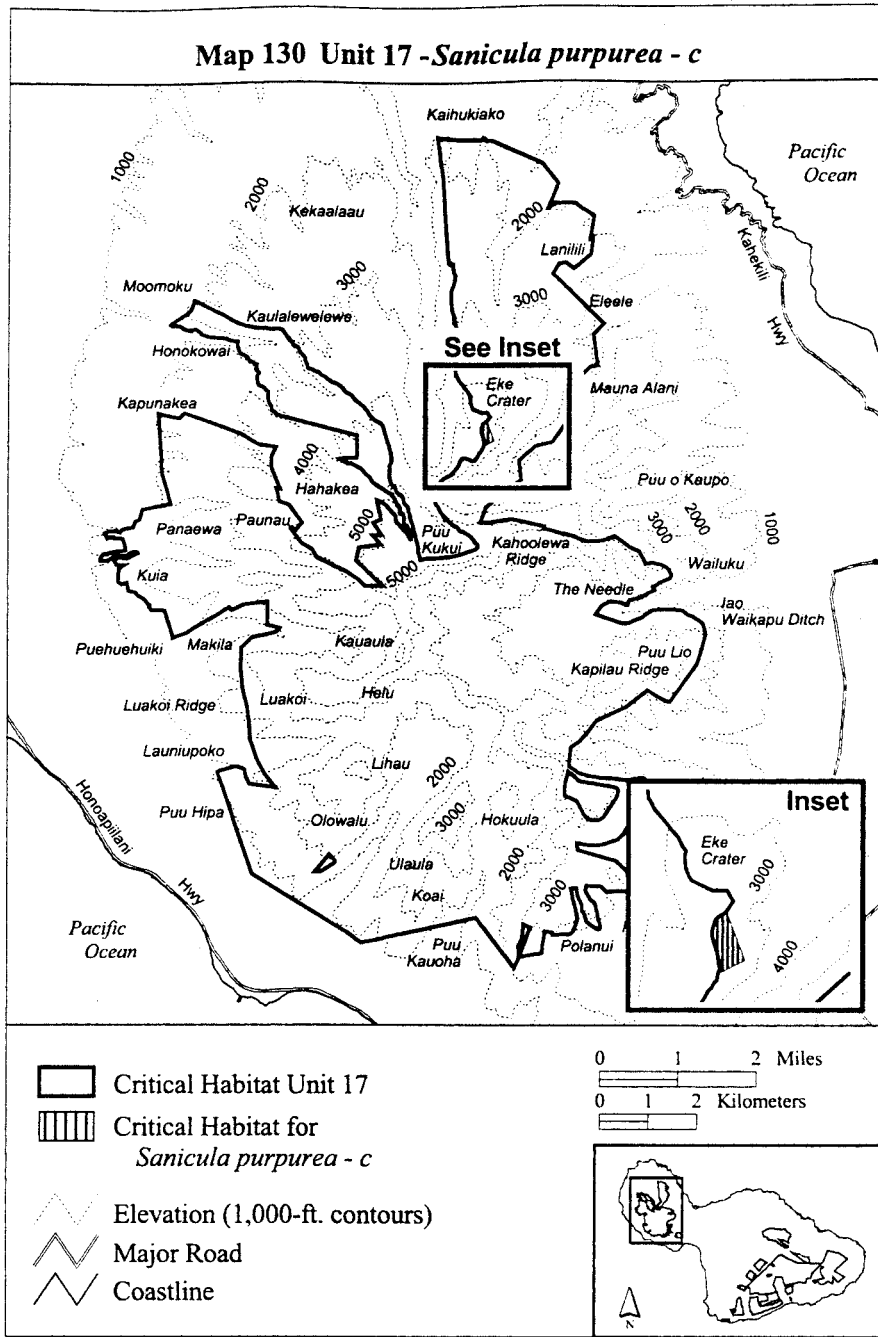
(cxxx) Maui 17—*Sanicula purpurea*—
c (8 ha; 19 ac).

(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:

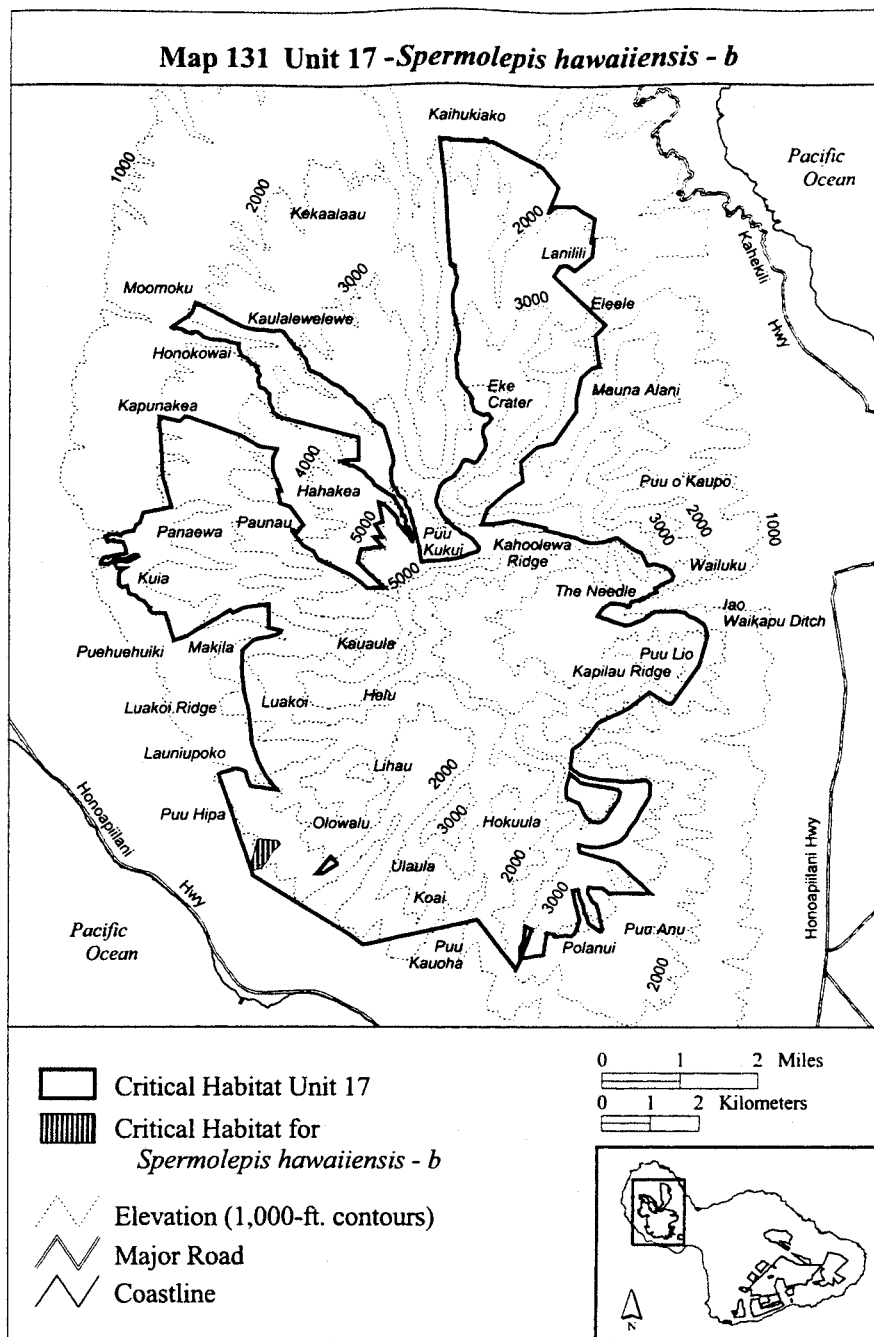


(cxxxi) Maui 17—*Spermolepis hawaiiensis*—b (23 ha; 56 ac).
 (A) Unit consists of the following 15 boundary points: Start at 747559, 2305612; 747617, 2305791; 747703,

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,

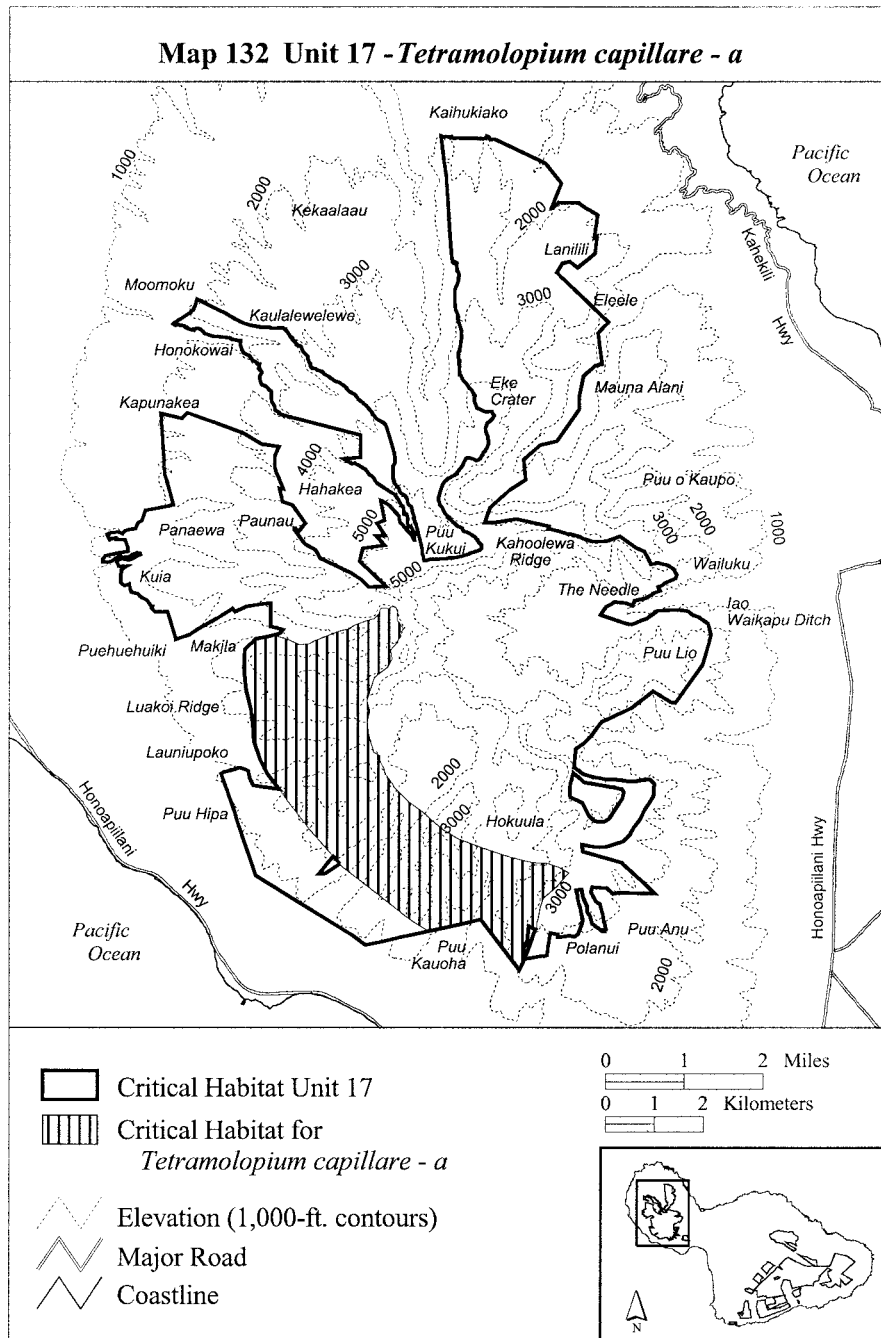
2307494; 750442, 2307287; 750465,
2307217; 750753, 2306922; 751036,
2306728; 751439, 2306361; 751774,
2306157; 752327, 2305947; 752871,
2305768; 753260, 2305683; 753470,
2305652; 753563, 2305652; 753626,
2305636; 753874, 2305566; 754007,
2305496; 754053, 2305450; 753820,

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; 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,

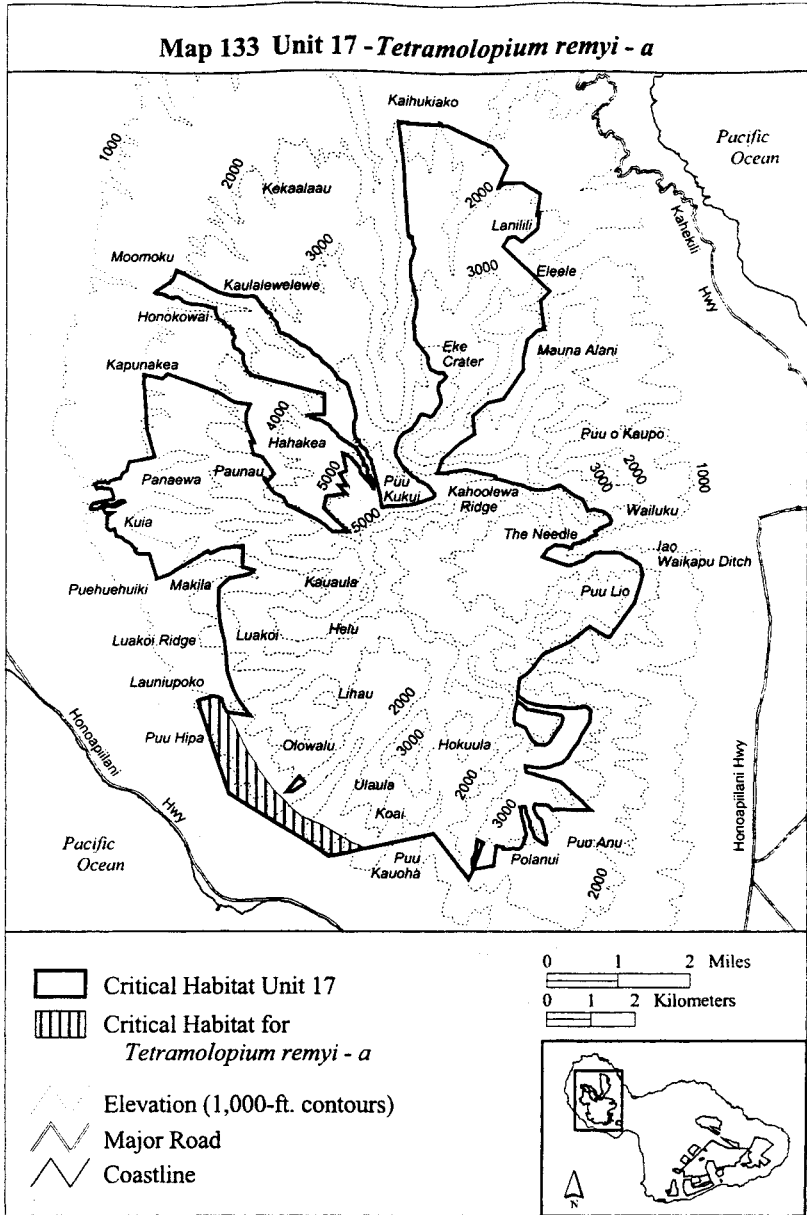
2307495; 746967, 2307530; 747135,
2307579; 747275, 2307621; 747405,
2307590; 747464, 2307541; 747496,
2307408; 747571, 2307254; 747576,
2307243; 747664, 2307114; 747769,

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.

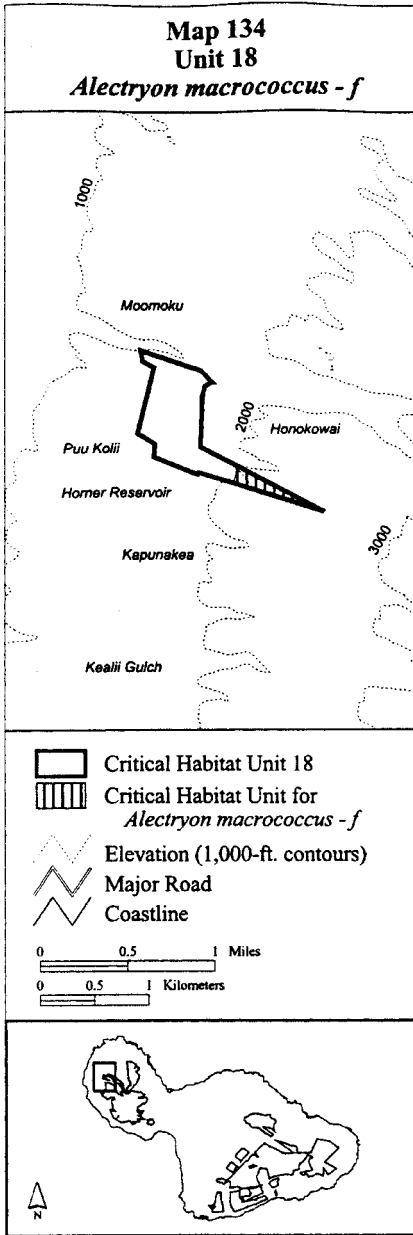
(B) Note: Map 133 follows:



(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:

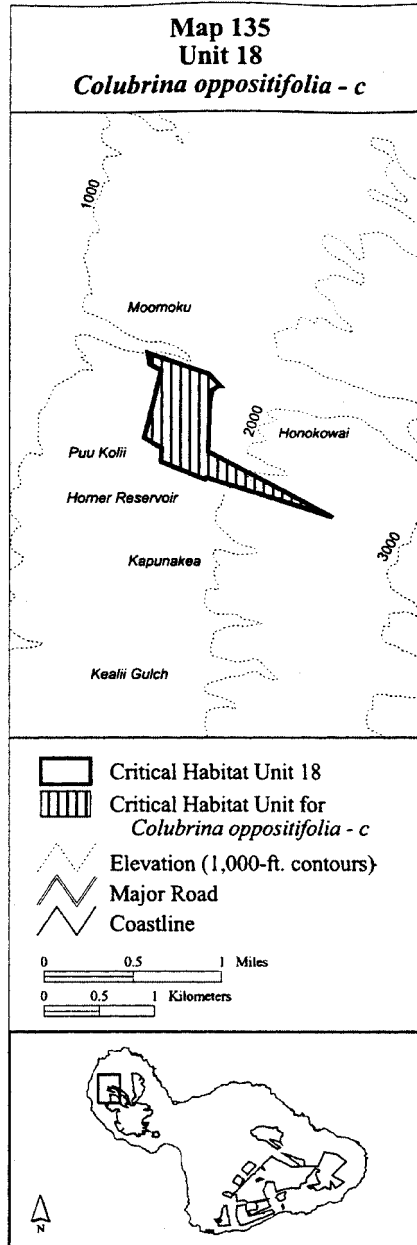


(cxxxv) Maui 18—*Colubrina oppositifolia*—c (64 ha; 157 ac).

(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:

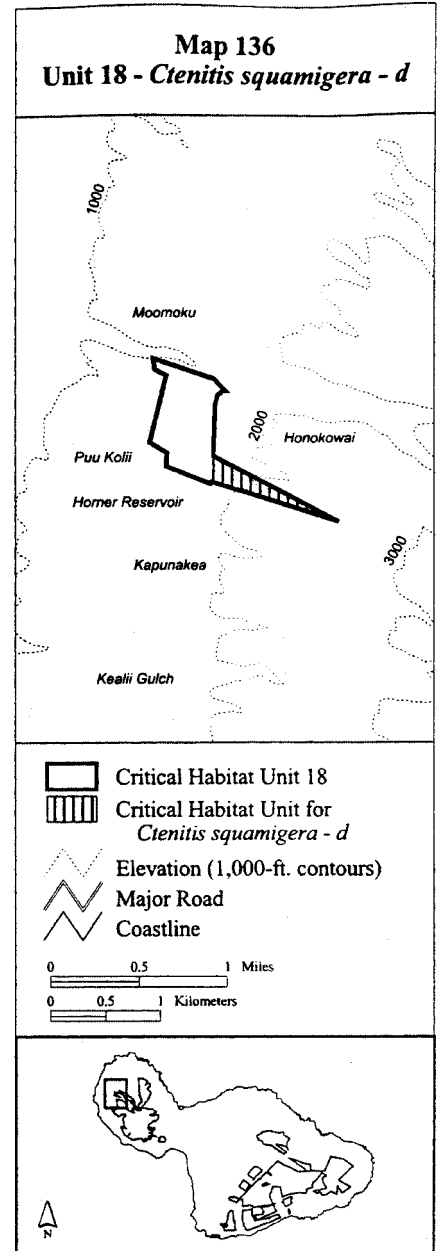


(cxxxvi) Maui 18—*Ctenitis squamigera*—d (14 ha; 35 ac).

(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:

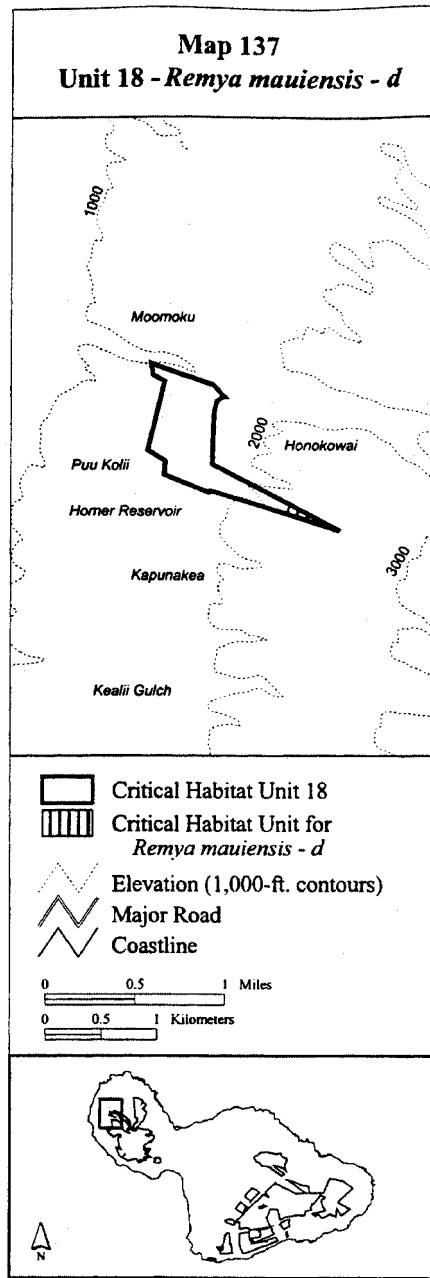


(cxxxvii) Maui 18—*Remya mauiensis*—d (2 ha; 6 ac).

(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:

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(cxxxviii) Table of Protected Species Within Each Critical Habitat Unit for Maui

Unit name	Species occupied	Species unoccupied
Maui 1— <i>Centaurium sebaeoides</i> —a	<i>Centaurium sebaeoides</i> .	
Maui 1— <i>Sesbania tomentosa</i> —a	<i>Sesbania tomentosa</i> .	
Maui 2— <i>Brighamia rockii</i> —a .....	.....	<i>Brighamia rockii</i> .
Maui 2— <i>Brighamia rockii</i> —b .....	.....	<i>Brighamia rockii</i> .
Maui 2— <i>Centaurium sebaeoides</i> —b	<i>Centaurium sebaeoides</i> .	
Maui 3— <i>Brighamia rockii</i> —c .....	.....	<i>Brighamia rockii</i> .
Maui 4— <i>Brighamia rockii</i> —d .....	.....	<i>Brighamia rockii</i> .
Maui 4— <i>Peucedanum sandwicense</i> —a	<i>Peucedanum sandwicense</i> .	
Maui 5— <i>Brighamia rockii</i> —e .....	.....	<i>Brighamia rockii</i> .
Maui 6— <i>Ischaemum byrone</i> —a	<i>Ischaemum byrone</i> .	
Maui 6— <i>Mariscus pennatiformis</i> —a	<i>Mariscus pennatiformis</i> .	
Maui 7— <i>Ischaemum byrone</i> —b	<i>Ischaemum byrone</i> .	
Maui 8— <i>Cyanea copelandii</i> ssp. <i>haleakalaensis</i> —a	<i>Cyanea copelandii</i> ssp. <i>haleakalaensis</i> .	
Maui 8— <i>Cyanea glabra</i> —a .....	.....	<i>Cyanea glabra</i> .
Maui 8— <i>Cyanea hamatiflora</i> ssp. <i>hamatiflora</i> —a	<i>Cyanea hamatiflora</i> ssp. <i>hamatiflora</i> ..	

Unit name	Species occupied	Species unoccupied
Maui 8— <i>Cyanea mceldowneyi</i> —a	<i>Cyanea mceldowneyi</i> .	
Maui 8— <i>Diplazium molokaiense</i> —a	<i>Diplazium molokaiense</i> .	
Maui 8— <i>Geranium multiflorum</i> —a		<i>Geranium multiflorum</i> .
Maui 8— <i>Melicope balloui</i> —a	<i>Melicope balloui</i> .	
Maui 8— <i>Phlegmariurus mannii</i> —a	<i>Phlegmariurus mannii</i> .	
Maui 8— <i>Phyllostegia mannii</i> —a		<i>Phyllostegia mannii</i> .
Maui 8— <i>Phyllostegia mollis</i> —a		<i>Phyllostegia mollis</i> .
Maui 8— <i>Zanthoxylum hawaiiense</i> —a	<i>Zanthoxylum hawaiiense</i> .	
Maui 9— <i>Alectryon macrococcus</i> —a		<i>Alectryon macrococcus</i> .
Maui 9— <i>Argyroxiphium sandwicense</i> ssp. <i>macrocephalum</i> —a	<i>Argyroxiphium sandwicense</i> ssp. <i>macrocephalum</i> .	
Maui 9— <i>Asplenium fragile</i> var. <i>insulare</i> —a		<i>Asplenium fragile</i> var. <i>insulare</i> .
Maui 9— <i>Bidens micrantha</i> ssp. <i>kalealaha</i> —a	<i>Bidens micrantha</i> ssp. <i>kalealaha</i> .	
Maui 9— <i>Bidens micrantha</i> ssp. <i>kalealaha</i> —b	<i>Bidens micrantha</i> ssp. <i>kalealaha</i> .	
Maui 9— <i>Clermontia lindseyana</i> —a	<i>Clermontia lindseyana</i> .	
Maui 9— <i>Clermontia lindseyana</i> —b		<i>Clermontia lindseyana</i> .
Maui 9— <i>Clermontia samuelii</i> —a	<i>Clermontia samuelii</i> .	
Maui 9— <i>Cyanea copelandii</i> ssp. <i>haleakalaensis</i> —b	<i>Cyanea copelandii</i> ssp. <i>haleakalaensis</i> .	
Maui 9— <i>Cyanea glabra</i> —b		<i>Cyanea glabra</i> .
Maui 9— <i>Cyanea glabra</i> —c		<i>Cyanea glabra</i> .
Maui 9— <i>Cyanea hamatiflora</i> ssp. <i>hamatiflora</i> —b	<i>Cyanea hamatiflora</i> ssp. <i>hamatiflora</i> .	
Maui 9— <i>Diellia erecta</i> —a		<i>Diellia erecta</i> .
Maui 9— <i>Diellia erecta</i> —b		<i>Diellia erecta</i> .
Maui 9— <i>Diplazium molokaiense</i> —b		<i>Diplazium molokaiense</i> .
Maui 9— <i>Flueggea neowawraea</i> —a	<i>Flueggea neowawraea</i> .	
Maui 9— <i>Geranium arboreum</i> —a	<i>Geranium arboreum</i> .	
Maui 9— <i>Geranium multiflorum</i> —b	<i>Geranium multiflorum</i> .	
Maui 9— <i>Geranium multiflorum</i> —c		<i>Geranium multiflorum</i> .
Maui 9— <i>Lipochaeta kamolensis</i> —a	<i>Lipochaeta kamolensis</i> .	
Maui 9— <i>Melicope balloui</i> —b	<i>Melicope balloui</i> .	
Maui 9— <i>Melicope knudsenii</i> —a	<i>Melicope knudsenii</i> .	
Maui 9— <i>Melicope mucronulata</i> —a		<i>Melicope mucronulata</i> .
Maui 9— <i>Melicope ovalis</i> —a	<i>Melicope ovalis</i> .	
Maui 9— <i>Neraudia sericea</i> —a	<i>Neraudia sericea</i> .	
Maui 9— <i>Nototrichium humile</i> —a		<i>Nototrichium humile</i> .
Maui 9— <i>Phlegmariurus mannii</i> —b	<i>Phlegmariurus mannii</i> .	
Maui 9— <i>Phlegmariurus mannii</i> —c	<i>Phlegmariurus mannii</i> .	
Maui 9— <i>Phyllostegia mollis</i> —b		<i>Phyllostegia mollis</i> .
Maui 9— <i>Plantago princeps</i> —a	<i>Plantago princeps</i> .	
Maui 9— <i>Platanthera holochila</i> —a		<i>Platanthera holochila</i> .
Maui 9— <i>Schiedea haleakalensis</i> —a	<i>Schiedea haleakalensis</i> .	
Maui 9— <i>Schiedea haleakalensis</i> —b	<i>Schiedea haleakalensis</i> .	
Maui 10— <i>Alectryon macrococcus</i> —b		<i>Alectryon macrococcus</i> .
Maui 11— <i>Lipochaeta kamolensis</i> —b		<i>Lipochaeta kamolensis</i> .
Maui 12— <i>Vigna o-wahuensis</i> —a	<i>Vigna o-wahuensis</i> .	
Maui 13— <i>Alectryon macrococcus</i> —c		<i>Alectryon macrococcus</i> .
Maui 13— <i>Bonamia menziesii</i> —a	<i>Bonamia menziesii</i> .	
Maui 13— <i>Cenchrus agrimonioides</i> —a	<i>Cenchrus agrimonioides</i> .	
Maui 13— <i>Colubrina oppositifolia</i> —a		<i>Colubrina oppositifolia</i> .
Maui 13— <i>Flueggea neowawraea</i> —b		<i>Flueggea neowawraea</i> .
Maui 13— <i>Melicope adscendens</i> —a	<i>Melicope adscendens</i> .	
Maui 13— <i>Melicope knudsenii</i> —b		<i>Melicope knudsenii</i> .
Maui 13— <i>Melicope mucronulata</i> —b		<i>Melicope mucronulata</i> .
Maui 13— <i>Sesbania tomentosa</i> —b	<i>Sesbania tomentosa</i> .	
Maui 13— <i>Spermolepis hawaiiensis</i> —a	<i>Spermolepis hawaiiensis</i> .	
Maui 14— <i>Geranium arboreum</i> —b	<i>Geranium arboreum</i> .	
Maui 15— <i>Geranium arboreum</i> —c	<i>Geranium arboreum</i> .	
Maui 16— <i>Hibiscus brackenridgei</i> —a	<i>Hibiscus brackenridgei</i> .	
Maui 17— <i>Alectryon macrococcus</i> —d		<i>Alectryon macrococcus</i> .
Maui 17— <i>Alectryon macrococcus</i> —e	<i>Alectryon macrococcus</i> .	
Maui 17— <i>Cenchrus agrimonioides</i> —b		<i>Cenchrus agrimonioides</i> .
Maui 17— <i>Clermontia oblongifolia</i> ssp. <i>mauiensis</i> —a		<i>Clermontia oblongifolia</i> ssp. <i>mauiensis</i> .
Maui 17— <i>Clermontia oblongifolia</i> ssp. <i>mauiensis</i> —b		<i>Clermontia oblongifolia</i> ssp. <i>mauiensis</i> .
Maui 17— <i>Clermontia oblongifolia</i> ssp. <i>mauiensis</i> —c	<i>Clermontia oblongifolia</i> ssp. <i>mauiensis</i> .	
Maui 17— <i>Colubrina oppositifolia</i> —b		<i>Colubrina oppositifolia</i> .
Maui 17— <i>Ctenitis squamigera</i> —a	<i>Ctenitis squamigera</i> .	
Maui 17— <i>Ctenitis squamigera</i> —b	<i>Ctenitis squamigera</i> .	
Maui 17— <i>Ctenitis squamigera</i> —c	<i>Ctenitis squamigera</i> .	
Maui 17— <i>Cyanea glabra</i> —d		<i>Cyanea glabra</i> .

Unit name	Species occupied	Species unoccupied
Maui 17— <i>Cyanea glabra</i> —e	.....	<i>Cyanea glabra</i> .
Maui 17— <i>Cyanea glabra</i> —f	.....	<i>Cyanea glabra</i> .
Maui 17— <i>Cyanea glabra</i> —g	<i>Cyanea glabra</i> .	
Maui 17— <i>Cyanea grimesiana</i> ssp. <i>grimesiana</i> —a	<i>Cyanea grimesiana</i> ssp. <i>grimesiana</i> .	
Maui 17— <i>Cyanea lobata</i> —a	<i>Cyanea lobata</i> .	
Maui 17— <i>Cyanea lobata</i> —b	.....	<i>Cyanea lobata</i> .
Maui 17— <i>Cyanea lobata</i> —c	.....	<i>Cyanea lobata</i> .
Maui 17— <i>Cyrtandra munroi</i> —a	.....	<i>Cyrtandra munroi</i> .
Maui 17— <i>Cyrtandra munroi</i> —b	<i>Cyrtandra munroi</i> .	
Maui 17— <i>Cyrtandra munroi</i> —c	.....	<i>Cyrtandra munroi</i> .
Maui 17— <i>Diellia erecta</i> —c	.....	<i>Diellia erecta</i> .
Maui 17— <i>Diellia erecta</i> —d	<i>Diellia erecta</i> .	
Maui 17— <i>Diellia erecta</i> —e	<i>Diellia erecta</i> .	
Maui 17— <i>Diellia erecta</i> —f	<i>Diellia erecta</i> .	
Maui 17— <i>Diplazium molokaiense</i> —c	.....	<i>Diplazium molokaiense</i> .
Maui 17— <i>Dubautia plantaginea</i> ssp. <i>humilis</i> —a	.....	<i>Dubautia plantaginea</i> ssp. <i>humilis</i> .
Maui 17— <i>Dubautia plantaginea</i> ssp. <i>humilis</i> —b	.....	<i>Dubautia plantaginea</i> ssp. <i>humilis</i> .
Maui 17— <i>Dubautia plantaginea</i> ssp. <i>humilis</i> —c	<i>Dubautia plantaginea</i> ssp. <i>humilis</i> .	
Maui 17— <i>Gouania vitifolia</i> —a	.....	<i>Gouania vitifolia</i> .
Maui 17— <i>Hedyotis coriacea</i> —a	<i>Hedyotis coriacea</i> .	
Maui 17— <i>Hedyotis coriacea</i> —b	.....	<i>Hedyotis coriacea</i> .
Maui 17— <i>Hedyotis mannii</i> —a	<i>Hedyotis mannii</i> .	
Maui 17— <i>Hesperomannia arbuscula</i> —a	.....	<i>Hesperomannia arbuscula</i> .
Maui 17— <i>Hesperomannia arbuscula</i> —b	<i>Hesperomannia arbuscula</i> .	
Maui 17— <i>Hibiscus brackenridgei</i> —b	<i>Hibiscus brackenridgei</i> .	
Maui 17— <i>Isodendron pyriformium</i> —a	.....	<i>Isodendron pyriformium</i> .
Maui 17— <i>Lysimachia lydgatei</i> —a	<i>Lysimachia lydgatei</i> .	
Maui 17— <i>Lysimachia lydgatei</i> —b	.....	<i>Lysimachia lydgatei</i> .
Maui 17— <i>Lysimachia lydgatei</i> —c	.....	<i>Lysimachia lydgatei</i> .
Maui 17— <i>Lysimachia lydgatei</i> —d	<i>Lysimachia lydgatei</i> .	
Maui 17— <i>Lysimachia lydgatei</i> —e	<i>Lysimachia lydgatei</i> .	
Maui 17— <i>Neraudia sericea</i> —b	<i>Neraudia sericea</i> .	
Maui 17— <i>Peucedanum sandwicense</i> —b	.....	<i>Peucedanum sandwicense</i> .
Maui 17— <i>Phlegmariurus mannii</i> —d	<i>Phlegmariurus mannii</i> .	
Maui 17— <i>Phlegmariurus mannii</i> —e	<i>Phlegmariurus mannii</i> .	
Maui 17— <i>Plantago princeps</i> —b	<i>Plantago princeps</i> .	
Maui 17— <i>Platanthera holochila</i> —b	<i>Platanthera holochila</i> .	
Maui 17— <i>Platanthera holochila</i> —c	.....	<i>Platanthera holochila</i> .
Maui 17— <i>Pteris lidgatei</i> —a	<i>Pteris lidgatei</i> .	
Maui 17— <i>Pteris lidgatei</i> —b	<i>Pteris lidgatei</i> .	
Maui 17— <i>Remya mauiensis</i> —a	<i>Remya mauiensis</i> .	
Maui 17— <i>Remya mauiensis</i> —b	<i>Remya mauiensis</i> .	
Maui 17— <i>Remya mauiensis</i> —c	.....	<i>Remya mauiensis</i> .
Maui 17— <i>Sanicula purpurea</i> —a	.....	<i>Sanicula purpurea</i> .
Maui 17— <i>Sanicula purpurea</i> —b	<i>Sanicula purpurea</i> .	
Maui 17— <i>Sanicula purpurea</i> —c	<i>Sanicula purpurea</i> .	
Maui 17— <i>Spermolepis hawaiiensis</i> —b	<i>Spermolepis hawaiiensis</i> .	
Maui 17— <i>Tetramolopium capillare</i> —a	<i>Tetramolopium capillare</i> .	
Maui 17— <i>Tetramolopium remyi</i> —a	.....	<i>Tetramolopium remyi</i> .
Maui 18— <i>Alectryon macrococcus</i> —f	.....	<i>Alectryon macrococcus</i> .
Maui 18— <i>Colubrina oppositifolia</i> —c	<i>Colubrina oppositifolia</i> .	
Maui 18— <i>Ctenitis squamigera</i> —d	.....	<i>Ctenitis squamigera</i> .
Maui 18— <i>Remya mauiensis</i> —d	.....	<i>Remya mauiensis</i> .

(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).

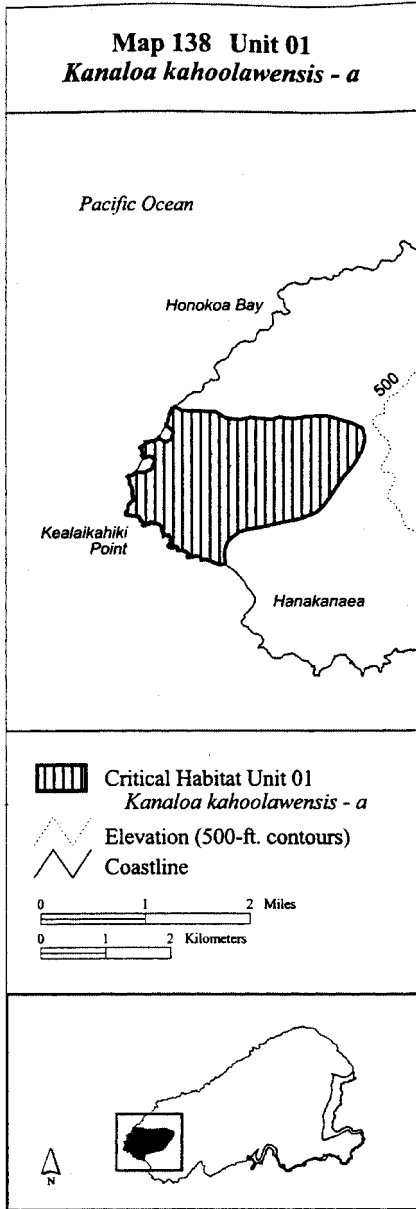
(A) Unit consists of the following 53 boundary points and the intermediate

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 :

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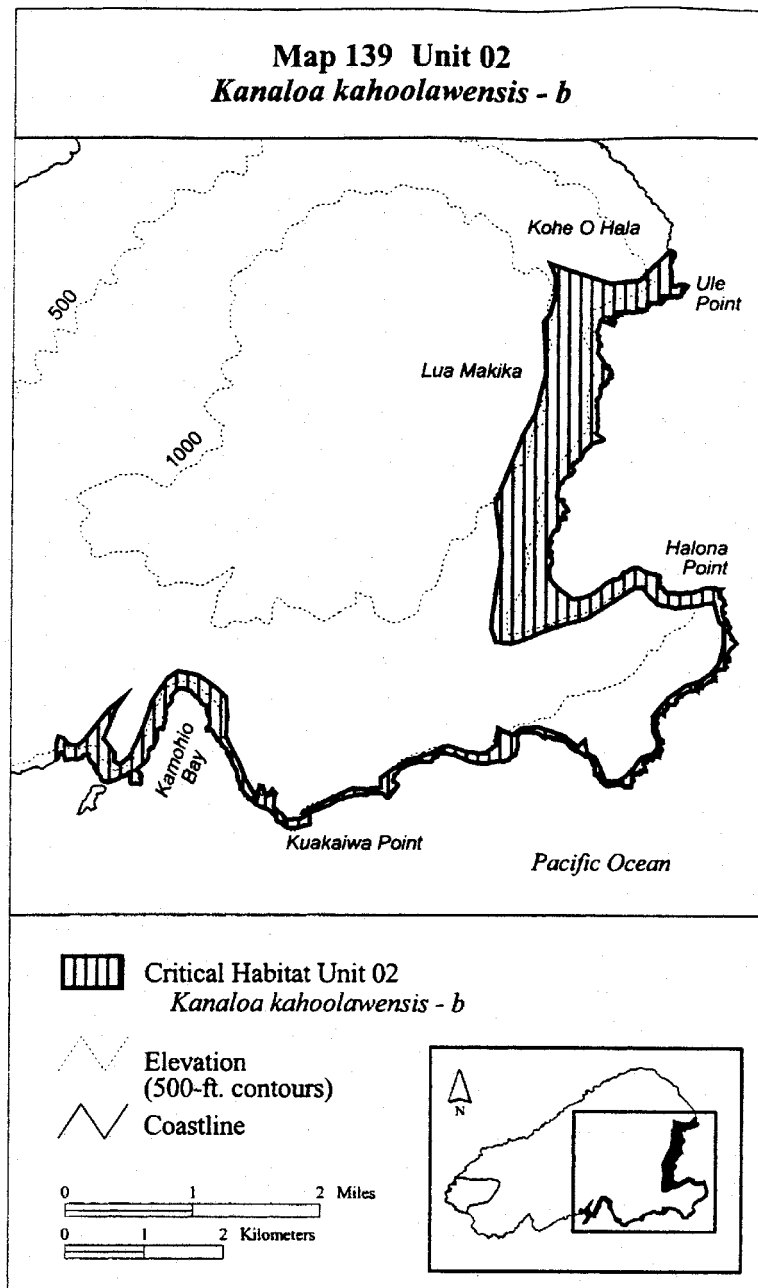
(ii) Kahoolawe 2—*Kanaloa kahoolawensis*—b (613 ha; 1,516 ac).

(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.

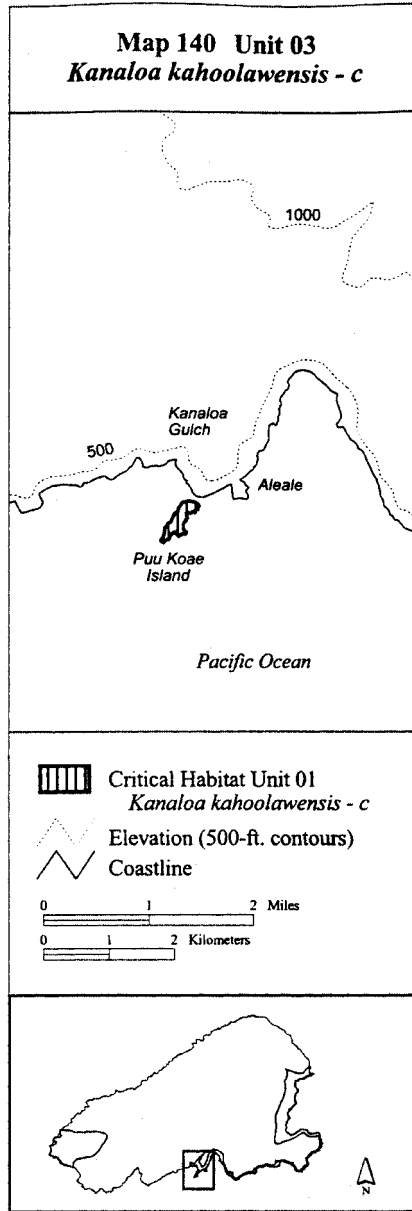
(B) Note: Map 139 follows:



(iii) Kahoolawe 3—*Kanaloa kahoowawensis*—c (5 ha; 12 ac).

(A) Unit consists of the entire offshore island located at approximately: 749231, 2269900.

(B) Note: Map 140 follows:



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(iv) Table of Protected Species Within Each Critical Habitat Unit for Kahoolawe

Unit name	Species occupied	Species unoccupied
Kahoolawe 1— <i>Kanaloa kahoowawensis</i> —a .....	.....	<i>Kanaloa kahoowawensis</i> .
Kahoolawe 2— <i>Kanaloa kahoowawensis</i> —b	<i>Kanaloa kahoowawensis</i>.	.....
Kahoolawe 3— <i>Kanaloa kahoowawensis</i> —c .....	.....	<i>Kanaloa kahoowawensis</i> .

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

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

Family Asteraceae: *Hesperomannia arbuscula* (NCN)

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

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

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

Family Asteraceae: *Lipochaeta kamolensis* (nehe)

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

(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. *waihia*, *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., *Bohea* 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*, *Nothoecium 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 pennatififormis* (NCN)

Maui 6—*Mariscus pennatififormis*—a, identified in the legal description in paragraph (e)(1) of this section, constitutes critical habitat for *Mariscus pennatififormis* 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 polynesianum*, *Nestegis sandwichensis*, *Pleomele auwahiensis*, *Pleomele* sp., *Pouteria sandwichensis*, *Psydrax odorata*, *Rauvolfia sandwichensis*, 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 sandwichensis*, *Dodonaea viscosa*, *Jacquemontia ovalifolia* ssp. *sandwichensis*, *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 sandwichense*, *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 tameiameia*, *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 tameiameia*, *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 agrimonoides* (kamanomano (= sandbur, agrimony))

Maui 13—*Cenchrus agrimonoides*—a, and Maui 17—*Cenchrus agrimonoides*—b, identified in the legal descriptions in paragraph (e)(1) of this section, constitute critical habitat for *Cenchrus agrimonoides* 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 hawaiiensis*, *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 5,067 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 hawaiiensis*, *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: *Isodendron pyrifolium* (aupaka)

Maui 17—*Isodendron pyrifolium*—a, identified in the legal description in paragraph (e)(1) of this section, constitutes critical habitat for *Isodendron 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*, *Myoporium 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:

(j) 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 *Metrosideros 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).

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Dated: April 18, 2003.

Craig Manson,

Assistant Secretary for Fish and Wildlife and Parks.

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