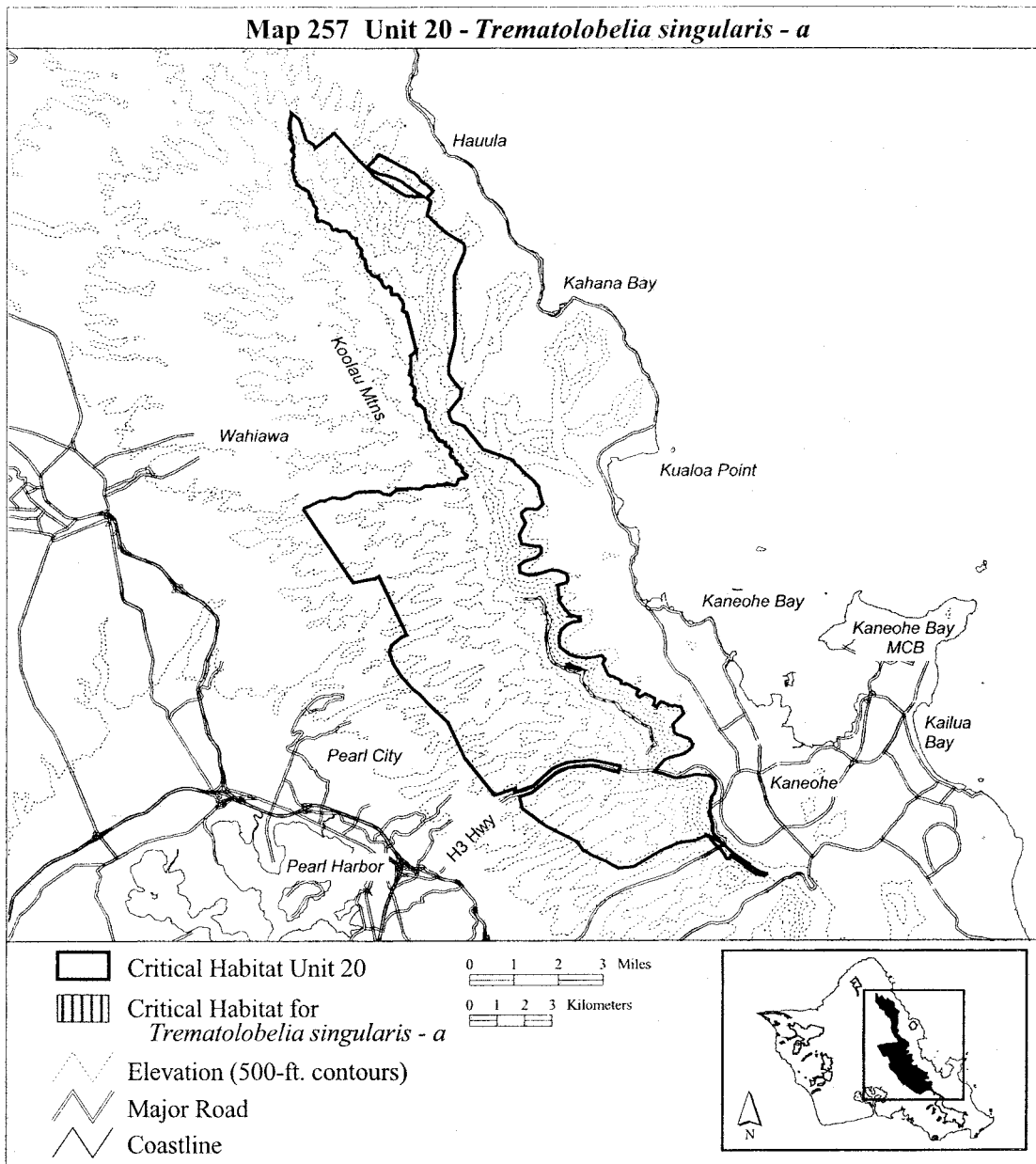


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2369828; 619198, 2369792; 619313,
2369707; 619347, 2369643; 619374,
2369586; return to starting point.

(ii) Note: Map 257 follows:



(258) Oahu 20—*Trematolobelia singularis*—b (10 ha; 25 ac)

(i) Unit consists of the following 104 boundary points: Start at 622202,

2365006; 622110, 2365022; 622077,
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2365135; 621986, 2365171; 621931,
2365225; 621917, 2365275; 621904,

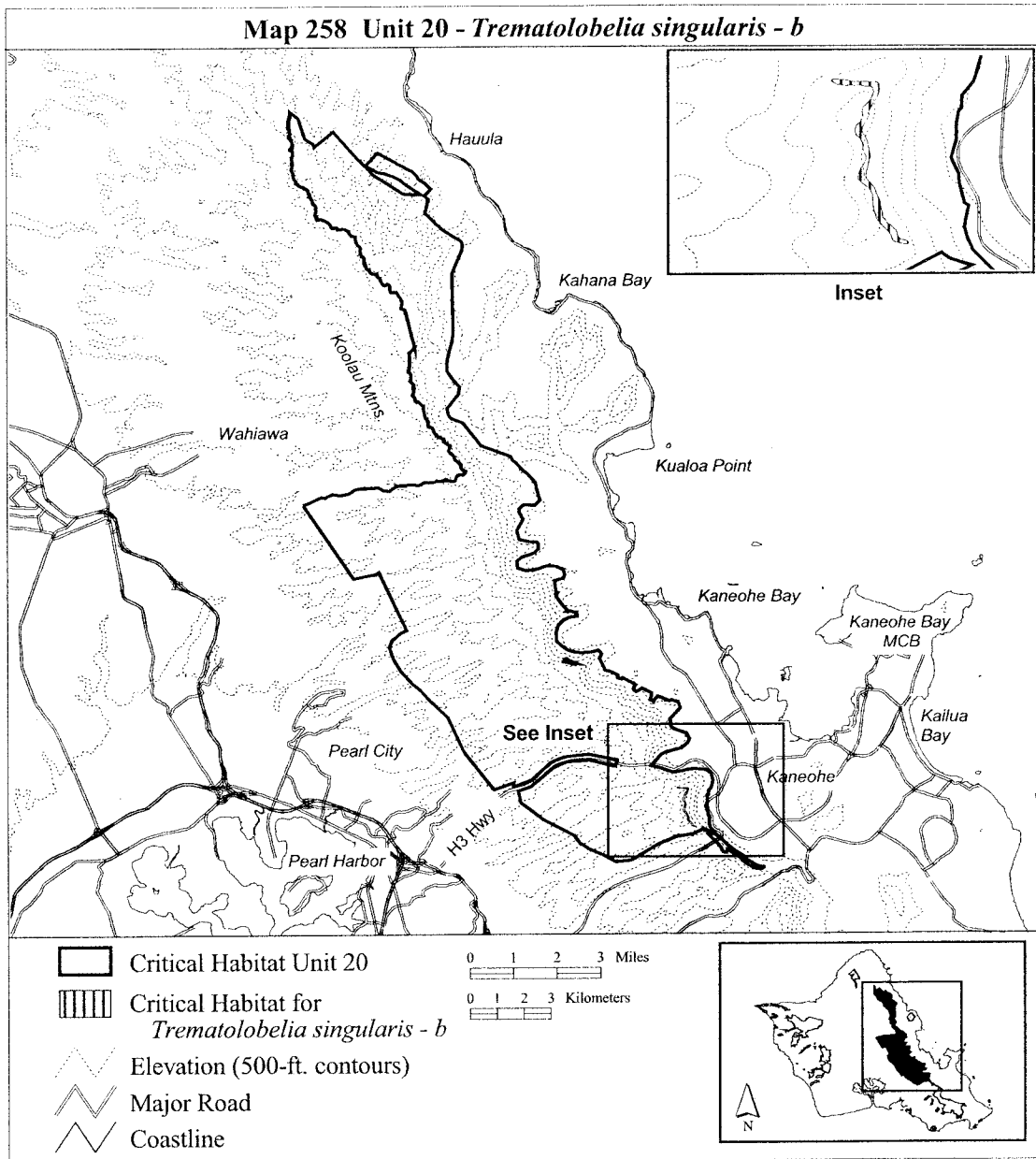
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 2365992; 621740, 2366025; 621751,
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 2366127; 621803, 2366169; 621799,
 2366195; 621809, 2366216; 621840,
 2366239; 621871, 2366276; 621890,
 2366304; 621900, 2366327; 621907,
 2366351; 621891, 2366388; 621840,
 2366397; 621787, 2366406; 621706,
 2366405; 621654, 2366406; 621584,

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 2366377; 621953, 2366337; 621928,
 2366285; 621899, 2366237; 621880,
 2366205; 621857, 2366169; 621860,
 2366136; 621840, 2366101; 621815,
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2365714; 621848, 2365669; 621834,
 2365618; 621834, 2365594; 621849,
 2365573; 621880, 2365543; 621914,
 2365506; 621935, 2365444; 621959,
 2365404; 621970, 2365335; 621981,
 2365287; 621983, 2365253; 622011,
 2365219; 622022, 2365197; 622057,
 2365178; 622088, 2365146; 622107,
 2365130; 622118, 2365084; 622130,
 2365064; 622146, 2365054; 622172,
 2365050; 622200, 2365037; 622217,
 2365025; 622217, 2365011; return to
 starting point.

(ii) Note: Map 258 follows:



(259) Oahu 20—*Viola oahuensis*—a (903 ha; 2,232 ac)

(i) Unit consists of the following 1014

boundary points: Start at 613555, 2377987; 613674, 2377978; 613675, 2377978; 613694, 2377988; 613721, 2377976; 613733, 2377976; 613762, 2378001; 613771, 2378068; 613764, 2378090; 613757, 2378093; 613753, 2378093; 613751, 2378091; 613747, 2378094; 613746, 2378095; 613718, 2378106; 613711, 2378117; 613691, 2378143; 613660, 2378168; 613602, 2378212; 613593, 2378224; 613586, 2378238; 613583, 2378253; 613583, 2378292; 613583, 2378328; 613583, 2378329; 613568, 2378356; 613556, 2378372; 613524, 2378400; 613517, 2378408; 613476, 2378444; 613462, 2378463; 613447, 2378478; 613424, 2378499; 613386, 2378532; 613364, 2378562; 613346, 2378613; 613330, 2378641; 613265, 2378728; 613248, 2378749; 613232, 2378759; 613213, 2378764; 613199, 2378769; 613190, 2378778; 613172, 2378818; 613172, 2378819; 613152, 2378848; 613147, 2378859; 613147, 2378860; 613146, 2378860; 613145, 2378860; 613145, 2378861; 613146, 2378862; 613144, 2378873; 613159, 2378951; 613185, 2378998; 613187, 2379004; 613187, 2379005; 613185, 2379019; 613185, 2379020; 613171, 2379040; 613142, 2379072; 613115, 2379100; 613099, 2379113; 613098, 2379113; 613063, 2379127; 612997, 2379166; 612978, 2379188; 612969, 2379215; 612963, 2379226; 612959, 2379247; 612959, 2379248; 612945, 2379276; 612929, 2379297; 612905, 2379314; 612876, 2379327; 612840, 2379337; 612770, 2379350; 612764, 2379355; 612758, 2379364; 612748, 2379389; 612748, 2379390; 612725, 2379410; 612700, 2379424; 612683, 2379441; 612663, 2379470; 612619, 2379529; 612600, 2379563; 612586, 2379618; 612573, 2379650; 612555, 2379679; 612517, 2379716; 612495, 2379729; 612412, 2379753; 612397, 2379761; 612387, 2379798; 612388, 2379851; 612386, 2379928; 612379, 2379961; 612375, 2379970; 612367, 2379981; 612366, 2379981; 612353, 2379991; 612328, 2380018; 612262, 2380145; 612255, 2380163; 612249, 2380199; 612248, 2380233; 612234, 2380304; 612226, 2380334; 612225, 2380334; 612224, 2380337; 612211, 2380367; 612213, 2380397; 612218, 2380419; 612218, 2380420; 612215, 2380452; 612212, 2380464; 612202, 2380506; 612202, 2380507; 612197, 2380516; 612177, 2380539; 612112, 2380593; 612086, 2380625; 612073, 2380644; 612046, 2380669; 612016, 2380686; 611992, 2380690; 611965, 2380687; 611955,

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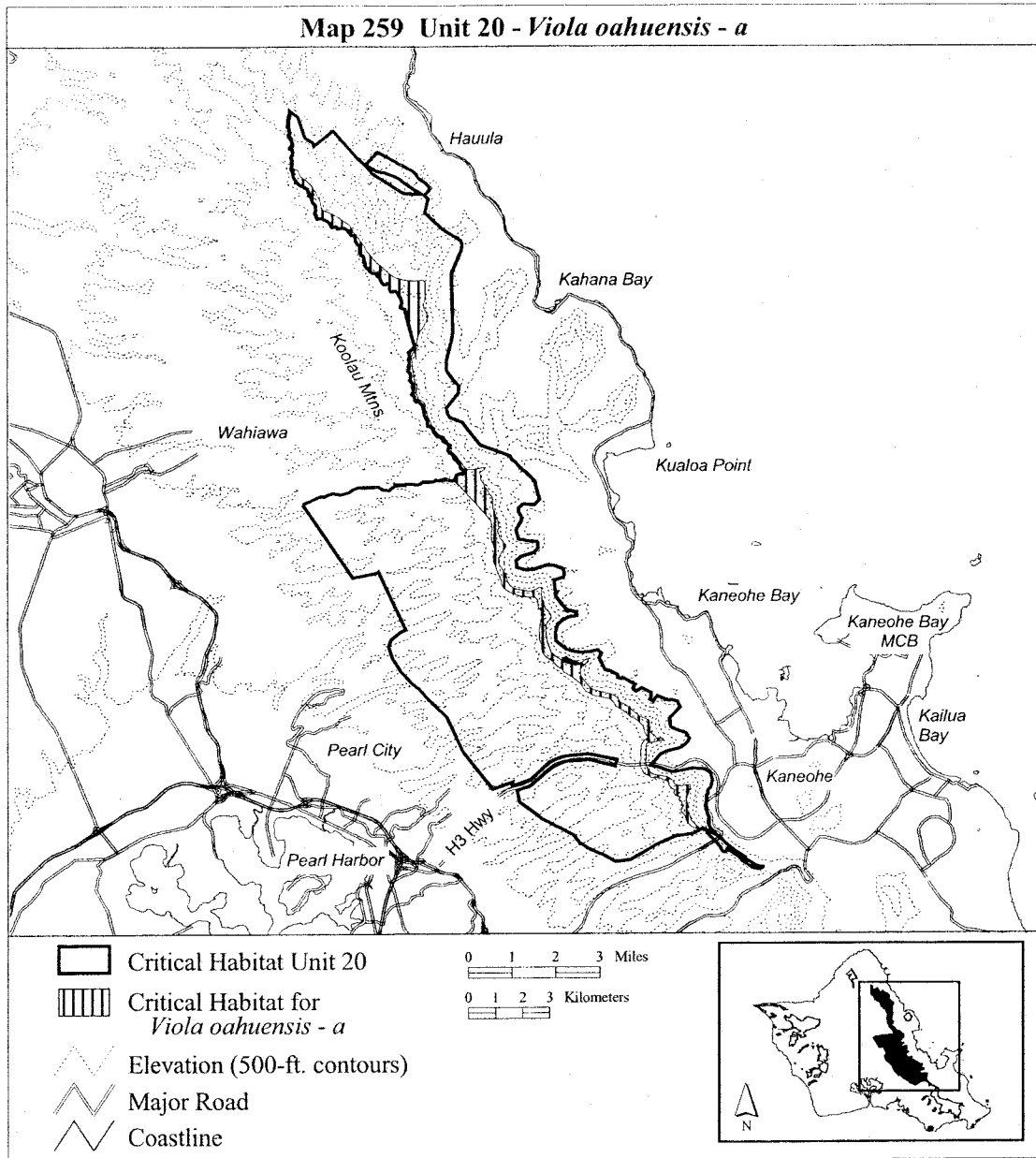
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2376138; 614723, 2376259; 614641,
2376349; 614641, 2376355; 614133,
2376933; 613540, 2377579; 613339,
2377740; 613359, 2377752; 613368,
2377747; 613413, 2377754; 613415,
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2377825; 613460, 2377881; 613497,
2377929; 613554, 2377977; return to
starting point.

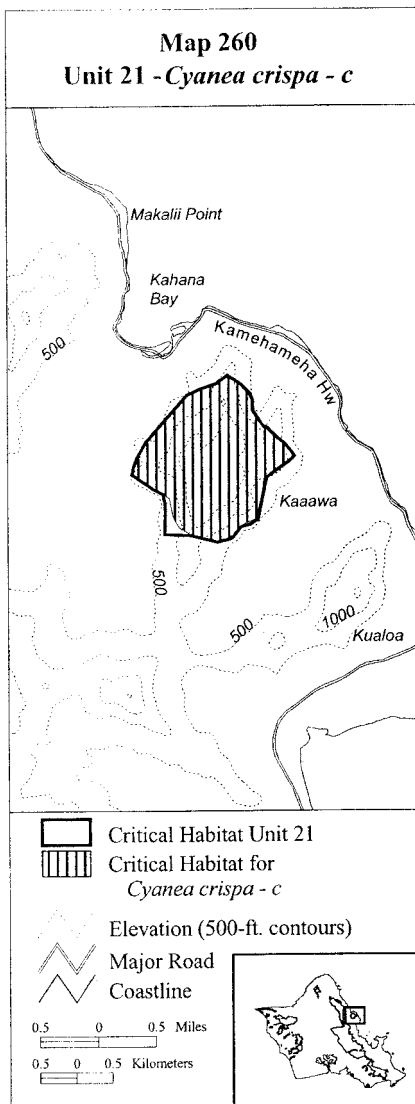
(ii) **Note:** Map 259 follows:



(260) Oahu 21—*Cyanea crispata*—c (302 ha; 747 ac)

(i) Unit consists of the following 37 boundary points: Start at 617933, 2381390; 617892, 2381379; 617719, 2381338; 617384, 2381422; 617189, 2381542; 617110, 2381673; 617049, 2381956; 616835, 2382068; 616529, 2382272; 616554, 2382383; 616601, 2382510; 616729, 2382733; 617094, 2383146; 617300, 2383383; 617491, 2383463; 617713, 2383542; 617872, 2383652; 618044, 2383540; 618179, 2383410; 618225, 2383312; 618225, 2383164; 618360, 2382964; 618495, 2382829; 618656, 2382717; 618767, 2382588; 618804, 2382523; 618721, 2382449; 618563, 2382347; 618378, 2382198; 618350, 2382032; 618304, 2381819; 618258, 2381661; 618119, 2381597; 617980, 2381477; 617937, 2381395; 617934, 2381393; 617933, 2381392; return to starting point.

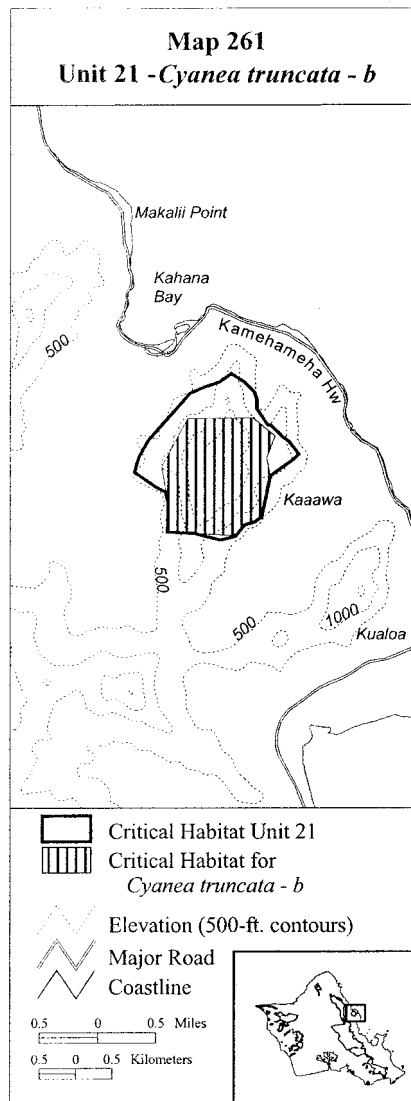
(ii) Note: Map 260 follows:



(261) Oahu 21—*Cyanea truncata*—b (211 ha; 520 ac)

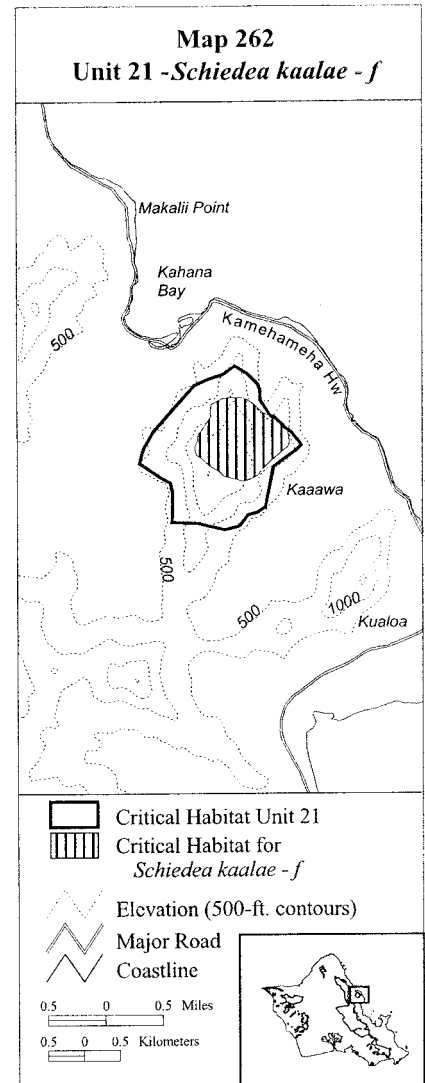
(i) Unit consists of the following 23 boundary points: Start at 618479, 2382785; 618362, 2382482; 618416, 2382209; 618407, 2382202; 618406, 2382201; 618288, 2381653; 618264, 2381637; 618183, 2381582; 618057, 2381548; 617941, 2381398; 617940, 2381397; 616992, 2381447; 616996, 2381713; 616996, 2381862; 616998, 2381875; 616998, 2381876; 616997, 2381877; 616993, 2381879; 616985, 2381888; 616911, 2382352; 617268, 2383028; 618143, 2383034; 618178, 2383039; return to starting point.

(ii) Note: Map 261 follows:



2382829; 618614, 2382721; 618638, 2382581; 618620, 2382509; 618536, 2382443; 618387, 2382317; 618261, 2382195; 618189, 2382102; 618090, 2382057; 618004, 2382024; 617722, 2382091; 617650, 2382160; 617516, 2382246; 617429, 2382327; 617333, 2382396; 617312, 2382498; 617348, 2382579; 617357, 2382669; 617438, 2382781; 617495, 2382871; 617534, 2382931; 617531, 2383024; 617543, 2383114; 617701, 2383197; 617809, 2383206; return to starting point.

(ii) Note: Map 262 follows:



(263) Oahu 22—*Chamaesyce kuwaleana*—e (1 ha; 3 ac)

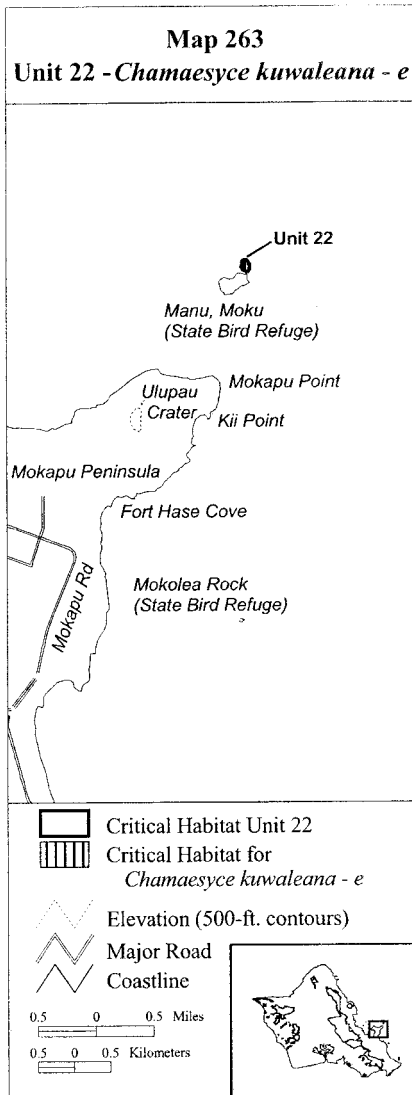
(i) Unit consists of the following 41 boundary points: Start at 632758, 2374821; 632752, 2374819; 632749, 2374820; 632735, 2374834; 632728, 2374841; 632710, 2374844; 632703, 2374848; 632695, 2374856; 632694, 2374865; 632682, 2374879; 632677, 2374886; 632677, 2374893; 632681,

(262) Oahu 21—*Schiedea kaalae*—f (105 ha; 260 ac)

(i) Unit consists of the following 31 boundary points: Start at 617965, 2383203; 618037, 2383179; 618147, 2383102; 618264, 2382982; 618420, 2382928; 618471, 2382874; 618531,

2374899; 632688, 2374903; 632689, 2374903; 632695, 2374910; 632695, 2374911; 632696, 2374916; 632697, 2374917; 632696, 2374917; 632695, 2374920; 632691, 2374932; 632690, 2374948; 632694, 2374960; 632697, 2374967; 632707, 2374975; 632721, 2374981; 632736, 2374981; 632747, 2374977; 632756, 2374970; 632765, 2374955; 632774, 2374935; 632778, 2374927; 632779, 2374924; 632779, 2374923; 632781, 2374922; 632787, 2374905; 632787, 2374876; 632782, 2374856; 632774, 2374840; 632769, 2374833; return to starting point.

(ii) Note: Map 263 follows:

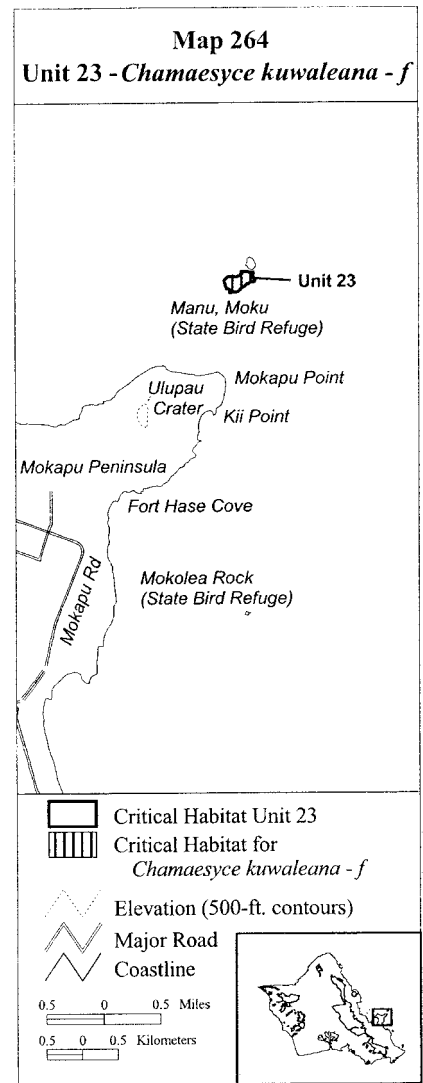


(264) Oahu 23—*Chamaesyce kuwaleana*—f (6 ha; 15 ac)

(i) Unit consists of the following 129 boundary points: Start at 632637, 2374611; 632629, 2374603; 632619, 2374595; 632608, 2374587; 632608, 2374586; 632597, 2374573; 632587, 2374562; 632581, 2374557; 632569,

2374552; 632562, 2374549; 632546, 2374546; 632534, 2374546; 632521, 2374547; 632507, 2374547; 632498, 2374546; 632497, 2374546; 632494, 2374543; 632486, 2374538; 632479, 2374535; 632475, 2374535; 632474, 2374536; 632473, 2374543; 632473, 2374550; 632470, 2374561; 632468, 2374569; 632468, 2374570; 632464, 2374575; 632464, 2374576; 632458, 2374582; 632451, 2374584; 632450, 2374584; 632442, 2374585; 632434, 2374589; 632428, 2374592; 632424, 2374597; 632420, 2374606; 632416, 2374616; 632412, 2374627; 632409, 2374637; 632406, 2374648; 632402, 2374660; 632399, 2374675; 632399, 2374685; 632399, 2374694; 632402, 2374698; 632411, 2374704; 632419, 2374712; 632427, 2374720; 632427, 2374721; 632433, 2374729; 632440, 2374734; 632444, 2374737; 632451, 2374740; 632459, 2374743; 632470, 2374743; 632481, 2374743; 632493, 2374748; 632499, 2374749; 632503, 2374748; 632510, 2374744; 632520, 2374741; 632529, 2374736; 632530, 2374736; 632539, 2374735; 632547, 2374735; 632548, 2374735; 632570, 2374745; 632579, 2374748; 632587, 2374751; 632595, 2374754; 632601, 2374757; 632606, 2374760; 632606, 2374761; 632610, 2374767; 632613, 2374772; 632615, 2374778; 632616, 2374786; 632616, 2374790; 632618, 2374793; 632620, 2374797; 632622, 2374799; 632627, 2374801; 632633, 2374802; 632644, 2374804; 632655, 2374805; 632668, 2374805; 632681, 2374803; 632694, 2374800; 632705, 2374797; 632721, 2374794; 632731, 2374790; 632732, 2374790; 632737, 2374791; 632738, 2374791; 632740, 2374792; 632743, 2374796; 632747, 2374797; 632752, 2374797; 632756, 2374795; 632760, 2374787; 632763, 2374778; 632763, 2374771; 632758, 2374768; 632750, 2374763; 632750, 2374762; 632749, 2374757; 632751, 2374749; 632755, 2374738; 632762, 2374727; 632770, 2374717; 632777, 2374707; 632783, 2374699; 632783, 2374690; 632781, 2374683; 632777, 2374679; 632767, 2374678; 632750, 2374674; 632738, 2374669; 632720, 2374663; 632694, 2374654; 632682, 2374650; 632681, 2374650; 632677, 2374646; 632677, 2374645; 632671, 2374638; 632668, 2374633; 632661, 2374628; 632641, 2374614; 632640, 2374614; return to starting point.

(ii) Note: Map 264 follows:



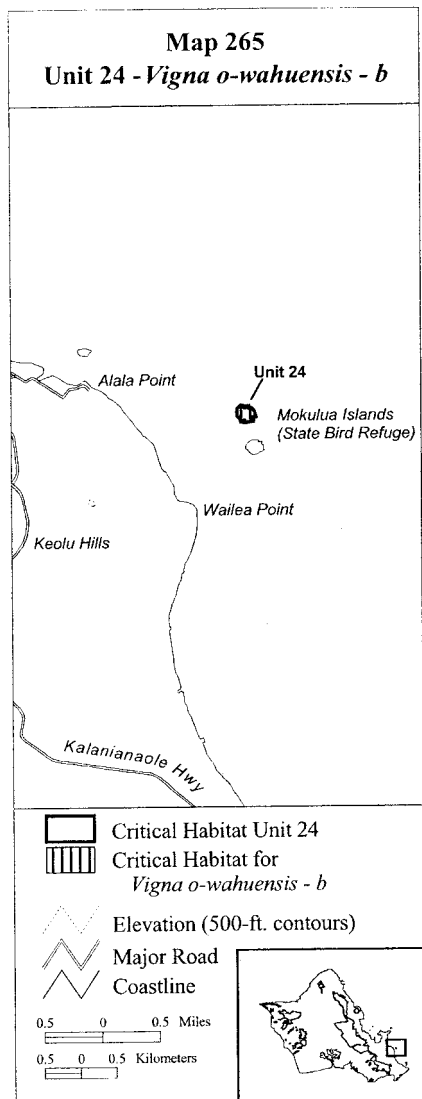
(265) Oahu 24—*Vigna o-wahuensis*—b (5 ha; 12 ac)

(i) Unit consists of the following 182 boundary points: Start at 634907, 2365956; 634895, 2365952; 634889, 2365949; 634884, 2365946; 634883, 2365946; 634879, 2365942; 634874, 2365938; 634871, 2365935; 634867, 2365934; 634863, 2365935; 634858, 2365937; 634857, 2365938; 634854, 2365938; 634853, 2365937; 634848, 2365936; 634844, 2365934; 634843, 2365935; 634842, 2365939; 634843, 2365942; 634843, 2365943; 634844, 2365947; 634846, 2365954; 634847, 2365960; 634847, 2365961; 634845, 2365964; 634845, 2365965; 634844, 2365965; 634838, 2365969; 634837, 2365969; 634836, 2365969; 634832, 2365968; 634831, 2365968; 634829, 2365966; 634828, 2365966; 634826, 2365963; 634823, 2365960; 634818, 2365954; 634812, 2365948; 634807, 2365947; 634802, 2365947; 634799, 2365947; 634796, 2365950; 634792,

2365956; 634788, 2365963; 634784, 2365969; 634784, 2365977; 634782, 2365983; 634782, 2365984; 634778, 2365989; 634778, 2365990; 634772, 2365995; 634762, 2366004; 634755, 2366010; 634749, 2366016; 634743, 2366023; 634741, 2366030; 634739, 2366040; 634738, 2366050; 634738, 2366057; 634737, 2366057; 634737, 2366068; 634737, 2366079; 634737, 2366088; 634740, 2366098; 634742, 2366104; 634742, 2366105; 634742, 2366109; 634742, 2366110; 634739, 2366114; 634738, 2366120; 634738, 2366126; 634738, 2366134; 634739, 2366140; 634741, 2366144; 634749, 2366150; 634763, 2366160; 634791, 2366178; 634795, 2366181; 634799, 2366182; 634803, 2366182; 634804, 2366182; 634806, 2366183; 634807, 2366184; 634807, 2366187; 634808, 2366189; 634809, 2366189; 634813, 2366189; 634815, 2366188; 634819, 2366186; 634821, 2366184; 634824, 2366178; 634827, 2366170; 634829, 2366160; 634831, 2366153; 634832, 2366148; 634832, 2366147; 634833, 2366147; 634844, 2366143; 634847, 2366142; 634851, 2366142; 634852, 2366142; 634852, 2366143; 634853, 2366144; 634855, 2366148; 634859, 2366154; 634862, 2366159; 634864, 2366164; 634869, 2366166; 634874, 2366169; 634881, 2366172; 634887, 2366175; 634893, 2366177; 634899, 2366177; 634902, 2366174; 634905, 2366171; 634906, 2366165; 634904, 2366158; 634902, 2366149; 634902, 2366144; 634902, 2366143; 634905, 2366141; 634906, 2366141; 634913, 2366142; 634921, 2366142; 634926, 2366144; 634929, 2366146; 634933, 2366148; 634936, 2366148; 634939, 2366144; 634942, 2366135; 634943, 2366135; 634946, 2366129; 634946, 2366128; 634950, 2366126; 634951, 2366126; 634957, 2366124; 634962, 2366119; 634968, 2366114; 634975, 2366105; 634981, 2366095; 634987, 2366083; 634993, 2366061; 634996, 2366050; 634999, 2366035; 634999, 2366024; 634998, 2366020; 634992, 2366018; 634985, 2366018; 634985, 2366019; 634984, 2366018; 634975, 2366017; 634963, 2366016; 634962, 2366016; 634960, 2366014; 634959, 2366014; 634959, 2366013; 634960, 2366011; 634960, 2366010; 634962, 2366006; 634965, 2366003; 634967, 2366000; 634969, 2365996; 634968, 2365990; 634965, 2365985; 634964, 2365985; 634963, 2365979; 634961, 2365974; 634961, 2365973; 634962, 2365965; 634963, 2365961; 634961, 2365960; 634956, 2365955; 634951, 2365953; 634942, 2365952; 634934, 2365951; 634930, 2365950; 634926, 2365949; 634922, 2365950; 634916,

2365953; 634911, 2365956; 634911, 2365957; 634910, 2365956; return to starting point.

(ii) **Note:** Map 265 follows:

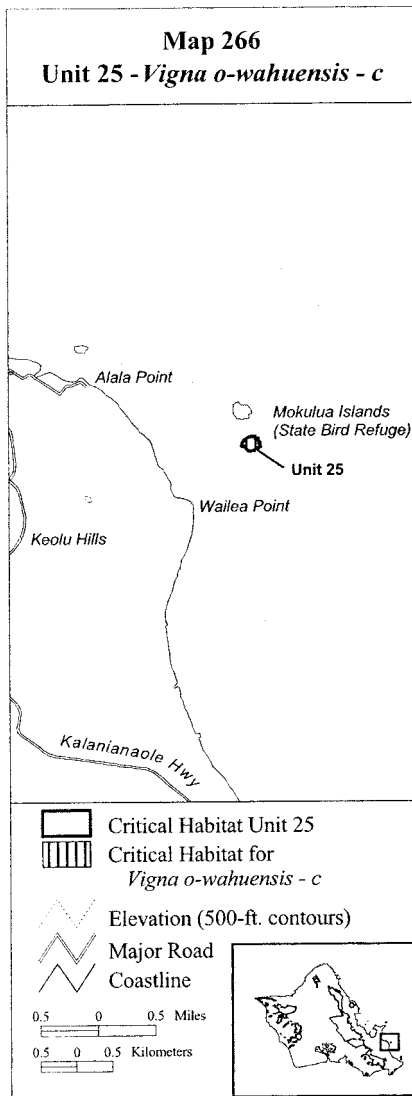


2365500; 634938, 2365503; 634929, 2365511; 634921, 2365519; 634915, 2365529; 634914, 2365532; 634914, 2365533; 634906, 2365541; 634900, 2365548; 634893, 2365556; 634892, 2365557; 634887, 2365560; 634882, 2365562; 634876, 2365564; 634875, 2365565; 634875, 2365564; 634867, 2365564; 634861, 2365566; 634858, 2365567; 634857, 2365573; 634855, 2365579; 634854, 2365588; 634853, 2365592; 634856, 2365600; 634861, 2365606; 634862, 2365606; 634872, 2365624; 634887, 2365638; 634898, 2365648; 634898, 2365649; 634903, 2365654; 634910, 2365662; 634918, 2365671; 634928, 2365679; 634935, 2365684; 634944, 2365687; 634956, 2365691; 634967, 2365696; 634978, 2365699; 634990, 2365701; 634998, 2365698; 635005, 2365696; 635018, 2365695; 635027, 2365696; 635035, 2365698; 635037, 2365697; 635040, 2365694; 635041, 2365692; 635042, 2365688; 635041, 2365684; 635040, 2365681; 635039, 2365681; 635039, 2365678; 635039, 2365677; 635040, 2365675; 635040, 2365674; 635041, 2365674; 635046, 2365671; 635047, 2365671; 635054, 2365670; 635055, 2365670; 635062, 2365671; 635071, 2365671; 635078, 2365672; 635082, 2365672; 635084, 2365670; 635087, 2365662; 635085, 2365658; 635085, 2365657; 635084, 2365652; 635083, 2365648; 635083, 2365647; 635086, 2365643; 635092, 2365637; 635099, 2365631; 635107, 2365625; 635110, 2365621; 635111, 2365616; 635110, 2365612; 635109, 2365608; 635104, 2365602; 635101, 2365599; 635101, 2365598; 635101, 2365597; return to starting point.

(ii) **Note:** Map 266 follows:

(266) Oahu 25—*Vigna o-wahuensis*—c
(4 ha; 9 ac)

(i) Unit consists of the following 117 boundary points: Start at 635103, 2365593; 635104, 2365590; 635104, 2365589; 635105, 2365586; 635106, 2365574; 635107, 2365567; 635107, 2365566; 635108, 2365566; 635112, 2365561; 635116, 2365557; 635116, 2365552; 635111, 2365547; 635103, 2365543; 635091, 2365539; 635077, 2365535; 635065, 2365533; 635055, 2365530; 635054, 2365530; 635048, 2365523; 635042, 2365515; 635033, 2365507; 635028, 2365502; 635023, 2365498; 635015, 2365497; 635007, 2365497; 634993, 2365497; 634986, 2365497; 634986, 2365498; 634985, 2365497; 634980, 2365496; 634972, 2365497; 634958, 2365498; 634948,



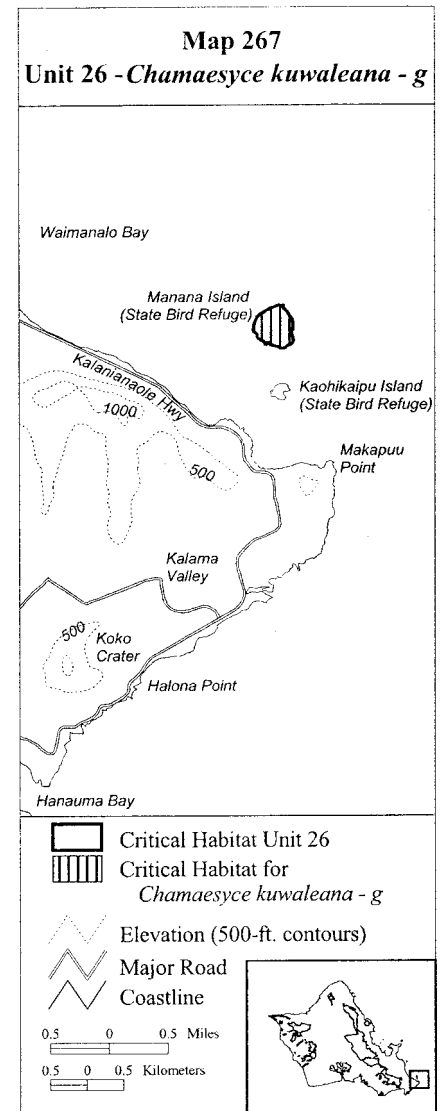
(267) Oahu 26—*Chamaesyce kuwaleana*—g (27 ha; 66 ac)

(i) Unit consists of the following 214 boundary points: Start at 639041, 2358964; 639029, 2358969; 639024, 2358973; 639019, 2358980; 639016, 2358988; 639015, 2358994; 639015, 2358998; 639014, 2359006; 639013, 2359012; 639012, 2359023; 639012, 2359024; 639009, 2359029; 639006, 2359034; 639005, 2359035; 639002, 2359038; 638998, 2359043; 638997, 2359043; 638992, 2359048; 638982, 2359054; 638972, 2359062; 638965, 2359067; 638959, 2359072; 638956, 2359077; 638955, 2359084; 638955, 2359090; 638959, 2359100; 638961, 2359105; 638962, 2359109; 638963, 2359116; 638964, 2359125; 638964, 2359139; 638966, 2359158; 638968, 2359166; 638972, 2359175; 638975, 2359185; 638980, 2359202; 638985, 2359213; 638990, 2359226; 638995, 2359239; 639003, 2359252; 639009, 2359267; 639016, 2359280; 639027,

2359291; 639035, 2359299; 639044, 2359307; 639057, 2359317; 639065, 2359323; 639076, 2359330; 639088, 2359336; 639107, 2359344; 639114, 2359349; 639122, 2359355; 639129, 2359360; 639137, 2359367; 639153, 2359376; 639167, 2359385; 639180, 2359392; 639190, 2359397; 639202, 2359404; 639210, 2359408; 639229, 2359417; 639241, 2359421; 639260, 2359429; 639278, 2359435; 639302, 2359444; 639312, 2359448; 639327, 2359452; 639337, 2359453; 639356, 2359453; 639369, 2359451; 639377, 2359449; 639383, 2359446; 639387, 2359442; 639391, 2359438; 639395, 2359434; 639396, 2359431; 639397, 2359426; 639398, 2359420; 639398, 2359416; 639399, 2359411; 639400, 2359407; 639400, 2359406; 639404, 2359403; 639413, 2359394; 639422, 2359387; 639430, 2359381; 639441, 2359370; 639450, 2359359; 639456, 2359350; 639463, 2359340; 639468, 2359332; 639474, 2359317; 639487, 2359300; 639495, 2359288; 639502, 2359276; 639510, 2359263; 639516, 2359251; 639520, 2359243; 639523, 2359239; 639525, 2359235; 639528, 2359229; 639531, 2359221; 639532, 2359216; 639533, 2359206; 639535, 2359193; 639536, 2359179; 639536, 2359168; 639539, 2359153; 639539, 2359142; 639540, 2359134; 639540, 2359129; 639540, 2359124; 639538, 2359112; 639536, 2359106; 639533, 2359100; 639529, 2359093; 639529, 2359092; 639526, 2359080; 639524, 2359071; 639524, 2359070; 639524, 2359056; 639523, 2359038; 639524, 2359025; 639526, 2359010; 639531, 2358995; 639534, 2358978; 639537, 2358968; 639540, 2358958; 639542, 2358950; 639543, 2358943; 639543, 2358938; 639543, 2358932; 639542, 2358923; 639539, 2358916; 639539, 2358915; 639537, 2358908; 639532, 2358898; 639526, 2358892; 639520, 2358887; 639508, 2358880; 639498, 2358876; 639487, 2358872; 639476, 2358867; 639468, 2358865; 639458, 2358860; 639450, 2358853; 639444, 2358848; 639439, 2358843; 639432, 2358837; 639426, 2358833; 639418, 2358829; 639409, 2358826; 639402, 2358822; 639395, 2358822; 639380, 2358822; 639370, 2358822; 639364, 2358824; 639355, 2358827; 639346, 2358832; 639335, 2358837; 639322, 2358842; 639309, 2358846; 639301, 2358849; 639293, 2358852; 639280, 2358856; 639265, 2358862; 639264, 2358862; 639253, 2358863; 639249, 2358866; 639241, 2358869; 639240, 2358869; 639236, 2358869; 639235, 2358869; 639230, 2358868; 639223, 2358867; 639220, 2358867; 639214, 2358867; 639211, 2358867; 639207,

2358872; 639201, 2358877; 639194, 2358884; 639186, 2358891; 639177, 2358898; 639172, 2358900; 639167, 2358901; 639166, 2358902; 639166, 2358901; 639162, 2358900; 639161, 2358900; 639158, 2358897; 639154, 2358895; 639154, 2358894; 639151, 2358891; 639148, 2358888; 639148, 2358887; 639144, 2358883; 639142, 2358881; 639137, 2358881; 639134, 2358881; 639130, 2358884; 639129, 2358886; 639124, 2358894; 639120, 2358902; 639117, 2358909; 639113, 2358915; 639106, 2358924; 639102, 2358929; 639095, 2358933; 639089, 2358936; 639082, 2358938; 639076, 2358941; 639069, 2358945; 639063, 2358948; 639058, 2358953; return to starting point.

(ii) Note: Map 267 follows:

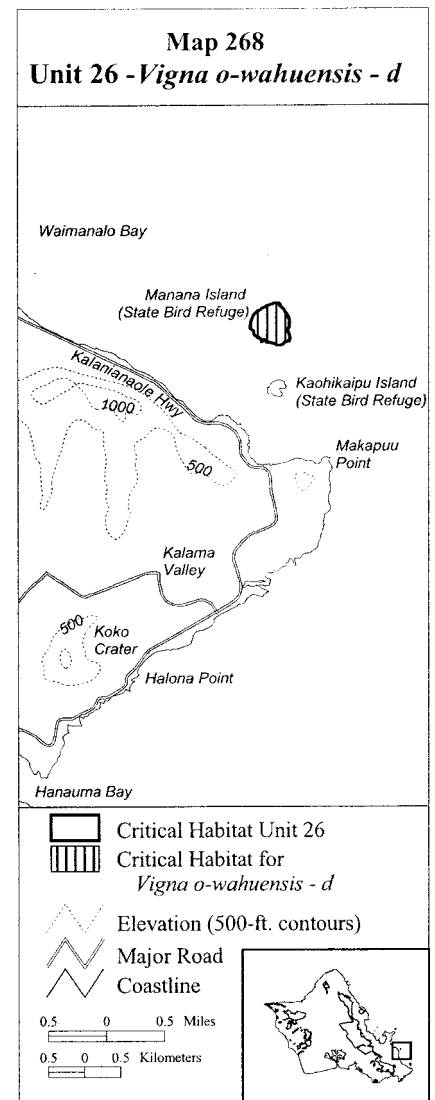


(268) Oahu 26—*Vigna o-wahuensis*—
(27 ha; 66 ac)

(i) Unit consists of the following 214 boundary points: Start at 639041, 2358964; 639029, 2358969; 639024, 2358973; 639019, 2358980; 639016, 2358988; 639015, 2358994; 639015, 2358998; 639014, 2359006; 639013, 2359012; 639012, 2359023; 639012, 2359024; 639009, 2359029; 639006, 2359034; 639005, 2359035; 639002, 2359038; 638998, 2359043; 638997, 2359043; 638992, 2359048; 638982, 2359054; 638972, 2359062; 638965, 2359067; 638959, 2359072; 638956, 2359077; 638955, 2359084; 638955, 2359090; 638959, 2359100; 638961, 2359105; 638962, 2359109; 638963, 2359116; 638964, 2359125; 638964, 2359139; 638966, 2359158; 638968, 2359166; 638972, 2359175; 638975, 2359185; 638980, 2359202; 638985, 2359213; 638990, 2359226; 638995, 2359239; 639003, 2359252; 639009, 2359267; 639016, 2359280; 639027, 2359291; 639035, 2359299; 639044, 2359307; 639057, 2359317; 639065, 2359323; 639076, 2359330; 639088, 2359336; 639107, 2359344; 639114, 2359349; 639122, 2359355; 639129, 2359360; 639137, 2359367; 639153, 2359376; 639167, 2359385; 639180, 2359392; 639190, 2359397; 639202, 2359404; 639210, 2359408; 639229, 2359417; 639241, 2359421; 639260, 2359429; 639278, 2359435; 639302, 2359444; 639312, 2359448; 639327, 2359452; 639337, 2359453; 639356, 2359453; 639369, 2359451; 639377, 2359449; 639383, 2359446; 639387, 2359442; 639391, 2359438; 639395, 2359434; 639396, 2359431; 639397, 2359426; 639398, 2359420; 639398, 2359416; 639399, 2359411; 639400, 2359407; 639400, 2359406; 639404, 2359403; 639413, 2359394; 639422, 2359387; 639430, 2359381; 639441, 2359370; 639450, 2359359; 639456, 2359350; 639463, 2359340; 639468, 2359332; 639474, 2359317; 639487, 2359300; 639495, 2359288; 639502, 2359276; 639510, 2359263; 639516, 2359251; 639520, 2359243; 639523, 2359239; 639525, 2359235; 639528, 2359229; 639531, 2359221; 639532, 2359216; 639533, 2359206; 639535, 2359193; 639536, 2359179; 639536, 2359168; 639539, 2359153; 639539, 2359142; 639540, 2359134; 639540, 2359129; 639540, 2359124; 639538, 2359112; 639536, 2359106; 639533, 2359100; 639529, 2359093; 639529, 2359092; 639526, 2359080; 639524, 2359071; 639524, 2359070; 639524, 2359056; 639523, 2359038; 639524, 2359025; 639526, 2359010; 639531, 2358995; 639534, 2358978; 639537, 2358968; 639540, 2358958; 639542,

2358950; 639543, 2358943; 639543, 2358938; 639543, 2358932; 639542, 2358923; 639539, 2358916; 639539, 2358915; 639537, 2358908; 639532, 2358898; 639526, 2358892; 639520, 2358887; 639508, 2358880; 639498, 2358876; 639487, 2358872; 639476, 2358867; 639468, 2358865; 639458, 2358860; 639450, 2358853; 639444, 2358848; 639439, 2358843; 639432, 2358837; 639426, 2358833; 639418, 2358829; 639409, 2358826; 639402, 2358822; 639395, 2358822; 639380, 2358822; 639370, 2358822; 639364, 2358824; 639355, 2358827; 639346, 2358832; 639335, 2358837; 639322, 2358842; 639309, 2358846; 639301, 2358849; 639293, 2358852; 639280, 2358856; 639265, 2358862; 639264, 2358862; 639253, 2358863; 639249, 2358866; 639241, 2358869; 639240, 2358869; 639236, 2358869; 639235, 2358869; 639230, 2358868; 639223, 2358867; 639220, 2358867; 639214, 2358867; 639211, 2358867; 639207, 2358872; 639201, 2358877; 639194, 2358884; 639186, 2358891; 639177, 2358898; 639172, 2358900; 639167, 2358901; 639166, 2358902; 639166, 2358901; 639162, 2358900; 639161, 2358900; 639158, 2358897; 639154, 2358895; 639154, 2358894; 639151, 2358891; 639148, 2358888; 639148, 2358887; 639144, 2358883; 639142, 2358881; 639137, 2358881; 639134, 2358881; 639130, 2358884; 639129, 2358886; 639124, 2358894; 639120, 2358902; 639117, 2358909; 639113, 2358915; 639106, 2358924; 639102, 2358929; 639095, 2358933; 639089, 2358936; 639082, 2358938; 639076, 2358941; 639069, 2358945; 639063, 2358948; 639058, 2358953; return to starting point.

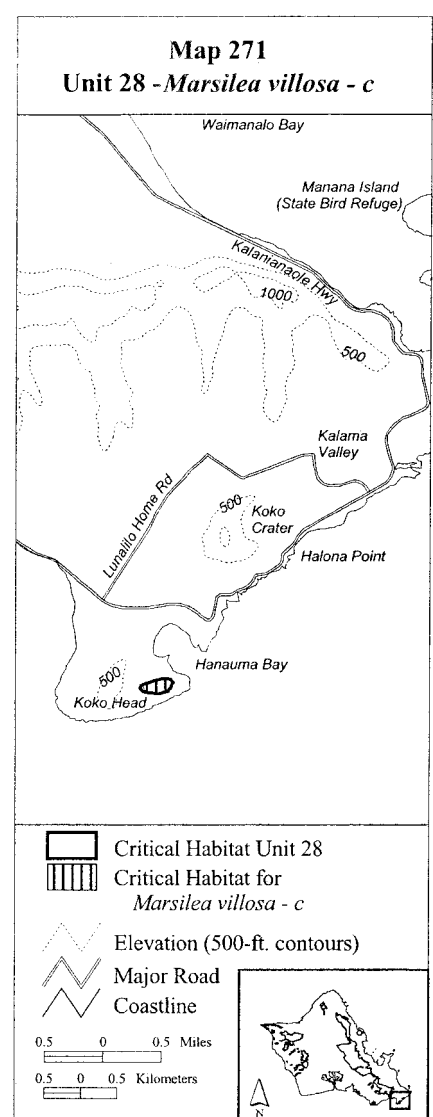
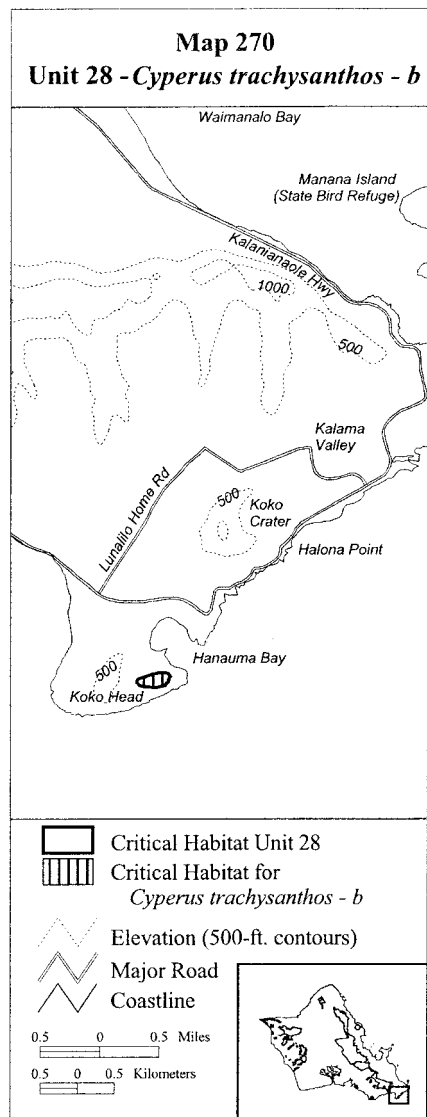
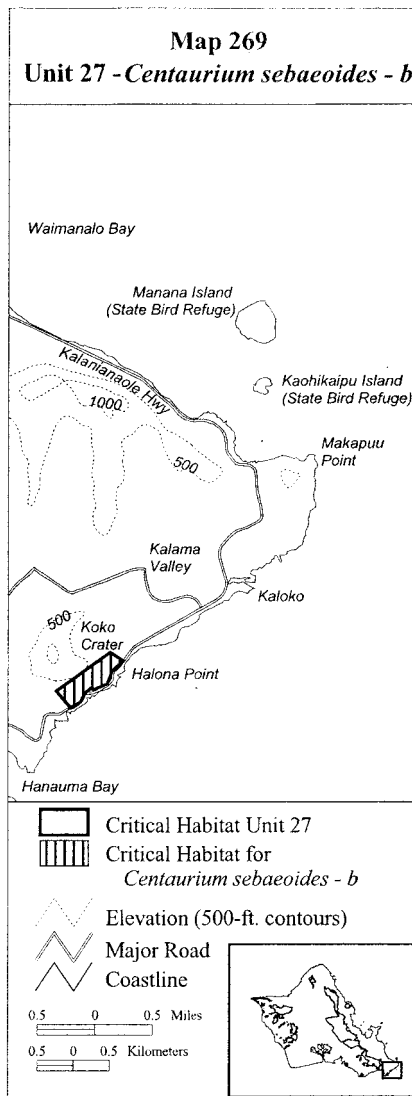
(ii) **Note:** Map 268 follows:



(269) Oahu 27—*Centaurium sebaeoides*—b (30 ha; 74 ac)

(i) Unit consists of the following 12 boundary points: Start at 636505, 2353431; 636303, 2353668; 637100, 2354241; 637297, 2354115; 637128, 2353956; 637052, 2353771; 636871, 2353692; 636811, 2353706; 636712, 2353621; 636657, 2353510; 636560, 2353454; 636508, 2353427; return to starting point.

(ii) **Note:** Map 269 follows:



(270) Oahu 28—*Cyperus trachysanthos*—b (8 ha; 20 ac)

(i) Unit consists of the following 23 boundary points: Start at 635001, 2351956; 635110, 2351995; 635197, 2352022; 635282, 2352041; 635351, 2352039; 635434, 2352026; 635460, 2351985; 635438, 2351945; 635432, 2351917; 635414, 2351893; 635382, 2351869; 635338, 2351841; 635288, 2351826; 635247, 2351815; 635219, 2351815; 635158, 2351822; 635101, 2351828; 635053, 2351832; 634997, 2351852; 634971, 2351876; 634951, 2351893; 634949, 2351906; 634966, 2351939; return to starting point.

(ii) **Note:** Map 270 follows:

(271) Oahu 28—*Marsilea villosa*—c (7 ha; 18 ac)

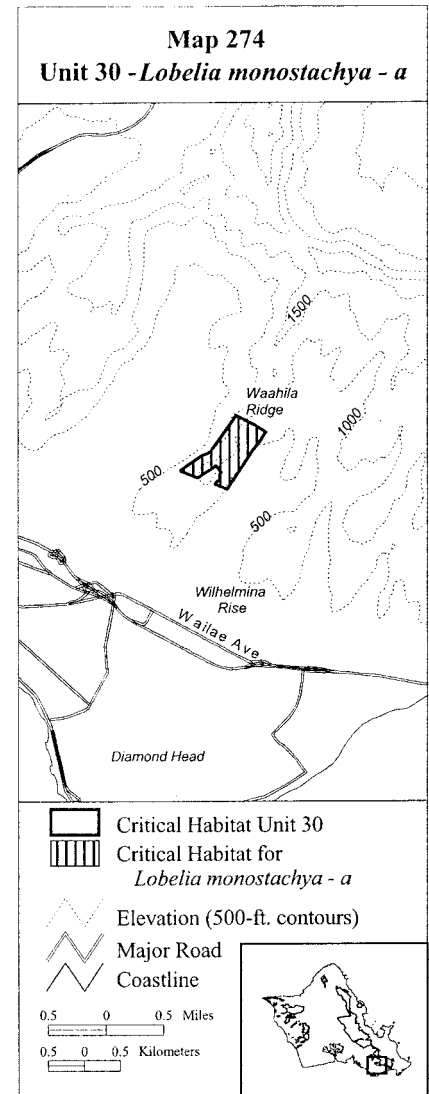
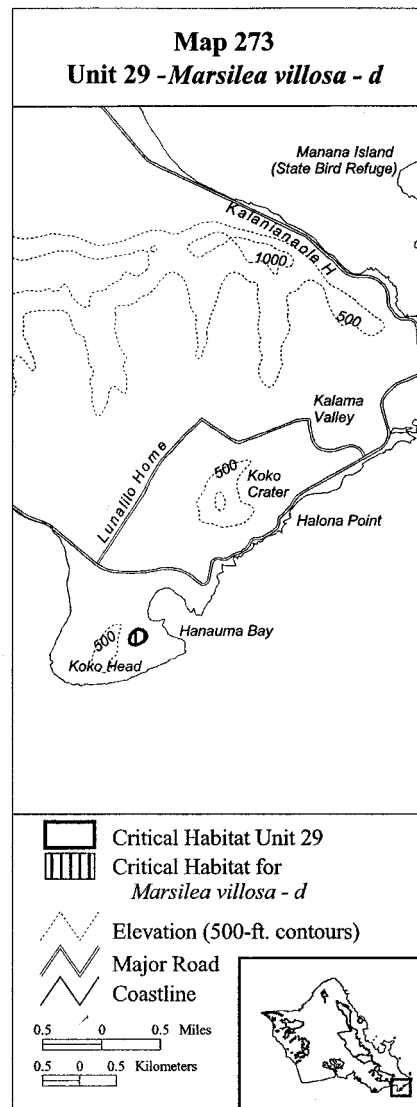
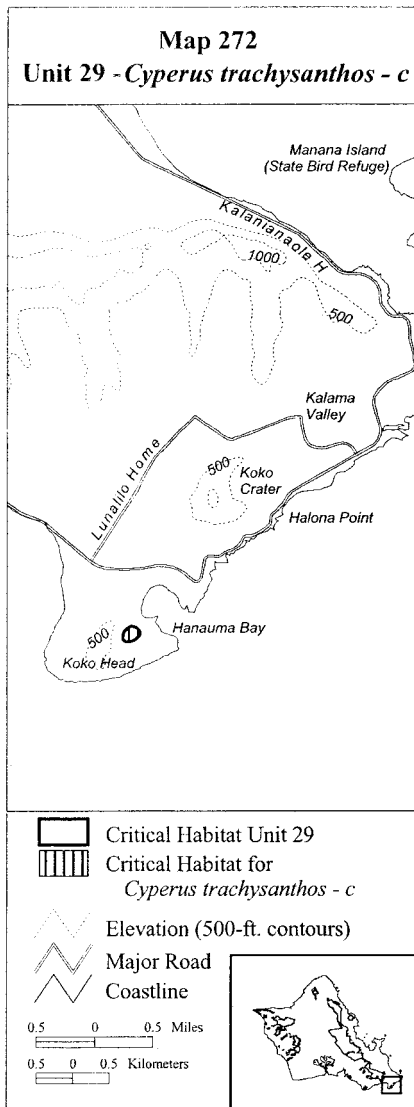
(i) Unit consists of the following 14 boundary points: Start at 635006, 2351930; 635107, 2351989; 635178, 2352022; 635269, 2352038; 635357, 2352041; 635428, 2352038; 635441, 2351986; 635409, 2351898; 635383, 2351852; 635308, 2351830; 635246, 2351817; 635129, 2351826; 635035, 2351859; 635012, 2351898; return to starting point.

(ii) **Note:** Map 271 follows:

(272) Oahu 29—*Cyperus trachysanthos*—c (4 ha; 10 ac)

(i) Unit consists of the following 15 boundary points: Start at 634916, 2352187; 634932, 2352204; 634977, 2352241; 635034, 2352241; 635069, 2352232; 635108, 2352195; 635108, 2352137; 635086, 2352098; 635064, 2352067; 635021, 2352030; 634962, 2352004; 634921, 2352017; 634875, 2352043; 634873, 2352087; 634875, 2352135; return to starting point.

(ii) **Note:** Map 272 follows:



(273) Oahu 29—*Marsilea villosa*—d (5 ha; 11 ac)

(i) Unit consists of the following 13 boundary points: Start at 634980, 2352018; 634908, 2352018; 634873, 2352038; 634869, 2352090; 634886, 2352155; 634928, 2352207; 634999, 2352252; 635068, 2352236; 635116, 2352194; 635129, 2352152; 635123, 2352109; 635090, 2352064; 635035, 2352031; return to starting point.

(ii) **Note:** Map 273 follows:

(274) Oahu 30—*Lobelia monostachya*—a (60 ha; 148 ac)

(i) Unit consists of the following 27 boundary points: Start at 624168, 2356522; 624519, 2356753; 624644, 2356802; 624645, 2356802; 624645, 2356803; 624648, 2356804; 624902, 2357165; 625018, 2357329; 625039, 2357383; 625337, 2357226; 625511, 2357122; 625420, 2356986; 625323, 2356853; 624917, 2356242; 624907, 2356227; 624732, 2356309; 624741, 2356330; 624795, 2356390; 624800, 2356466; 624811, 2356492; 624811, 2356493; 624734, 2356593; 624734, 2356594; 624733, 2356594; 624732, 2356594; 624709, 2356578; 624454, 2356409; return to starting point.

(ii) **Note:** Map 274 follows:

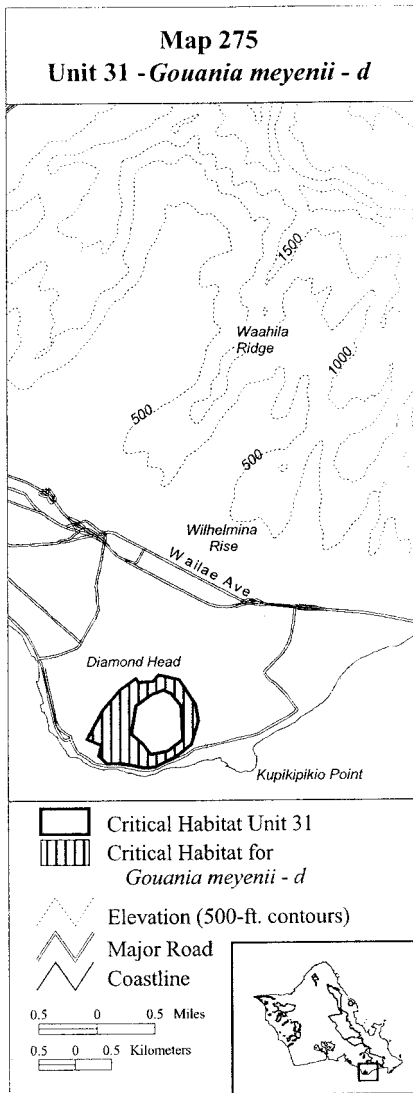
(275) Oahu 31—*Gouania meyenii*—d (116 ha; 286 ac)

(i) Unit consists of the following 22 boundary points: Start at 624109, 2351193; 624110, 2351193; 624344, 2351374; 624344, 2351375; 624322, 2351901; 624322, 2351902; 624173, 2352081; 624173, 2352082; 624049, 2352143; 624048, 2352143; 624047, 2352143; 623860, 2352077; 623615, 2351898; 623615, 2351897; 623614, 2351897; 623548, 2351462; 623548, 2351461; 623549, 2351460; 623733, 2351300; 623846, 2351144; 623846, 2351143; 623847, 2351143; return to starting point.

(ii) Excluding one area bounded by the following 22 points (59 ha, 146 ac): Start at 624110, 2351193; 624344, 2351374; 624344, 2351375; 624322, 2351901; 624322, 2351902; 624173, 2352081; 624173, 2352082; 624049, 2352143; 624048, 2352143; 624047, 2352143; 623860, 2352077; 623615, 2351898; 623615, 2351897; 623614,

2351897; 623548, 2351462; 623548, 2351461; 623549, 2351460; 623733, 2351300; 623846, 2351144; 623846, 2351143; 623847, 2351143; 624109, 2351193; return to starting point.

(iii) Note: Map 275 follows:



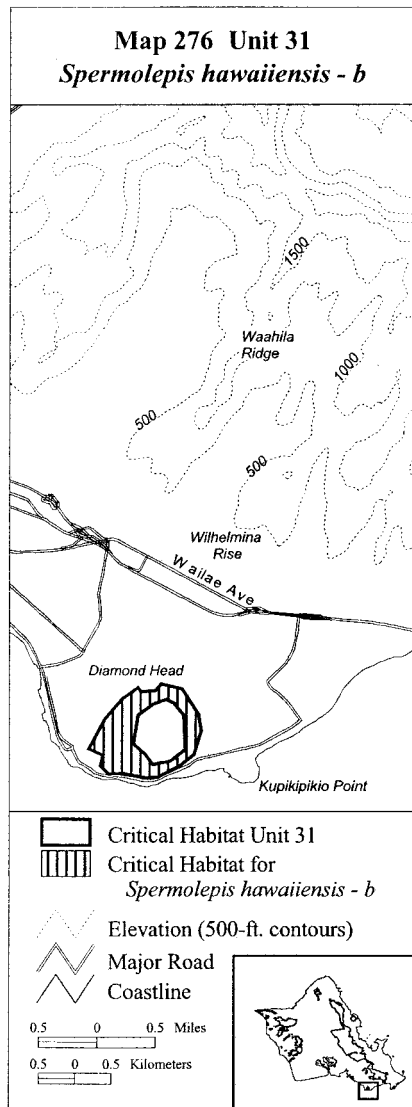
(276) Oahu 31—*Spermolepis hawaiiensis*—b (116 ha; 286 ac)

(i) Unit consists of the following 22 boundary points: Start at 624109, 2351193; 624110, 2351193; 624344, 2351374; 624344, 2351375; 624322, 2351901; 624322, 2351902; 624173, 2352081; 624173, 2352082; 624049, 2352143; 624048, 2352143; 624047, 2352143; 623860, 2352077; 623615, 2351898; 623615, 2351897; 623614, 2351897; 623548, 2351462; 623548, 2351461; 623549, 2351460; 623733, 2351300; 623846, 2351144; 623846, 2351143; 623847, 2351143; return to starting point.

(ii) Excluding one area bounded by the following 22 points (59ha, 146ac): Start at 624110, 2351193; 624344,

2351374; 624344, 2351375; 624322, 2351901; 624322, 2351902; 624173, 2352081; 624173, 2352082; 624049, 2352143; 624048, 2352143; 624047, 2352143; 623860, 2352077; 623615, 2351898; 623615, 2351897; 623614, 2351897; 623548, 2351462; 623548, 2351461; 623549, 2351460; 623733, 2351300; 623846, 2351144; 623846, 2351143; 623847, 2351143; 624109, 2351193; return to starting point.

(iii) Note: Map 276 follows:

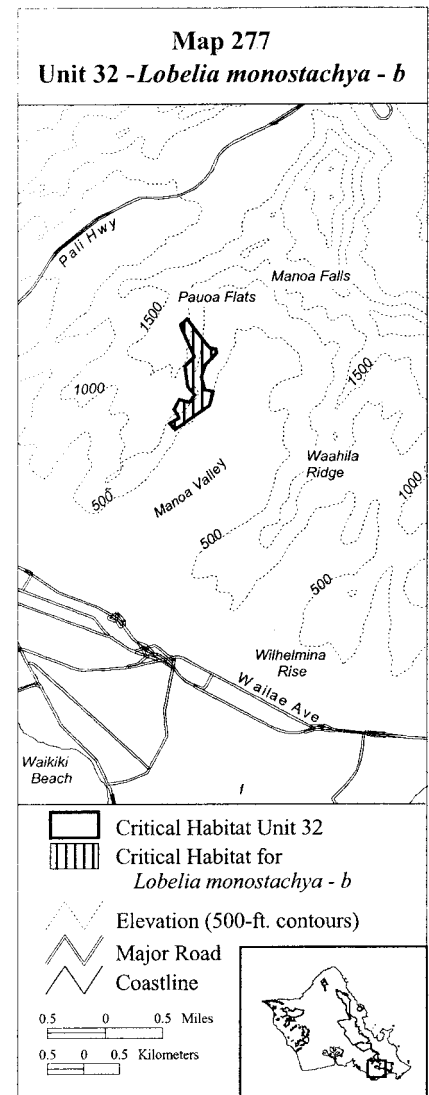


(277) Oahu 32—*Lobelia monostachya*—b (47 ha; 115 ac)

(i) Unit consists of the following 35 boundary points: Start at 623244, 2359774; 623355, 2359864; 623692, 2359434; 623717, 2359408; 623802, 2359404; 623814, 2359345; 623641, 2359143; 623578, 2358957; 623633, 2358768; 623759, 2358742; 623756, 2358730; 623701, 2358521; 623169, 2358151; 623083, 2358237; 623230, 2358329; 623230, 2358330; 623230,

2358331; 623154, 2358462; 623236, 2358610; 623388, 2358571; 623389, 2358571; 623390, 2358571; 623390, 2358572; 623478, 2358682; 623478, 2358683; 623453, 2358712; 623368, 2358817; 623353, 2358925; 623325, 2359134; 623469, 2359270; 623469, 2359271; 623469, 2359272; 623466, 2359279; 623468, 2359282; 623359, 2359518; return to starting point.

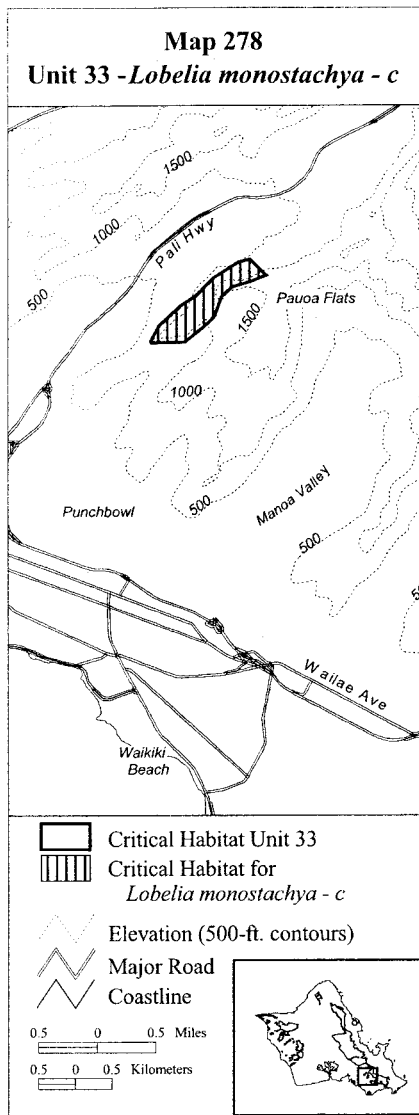
(ii) Note: Map 277 follows:



(278) Oahu 33—*Lobelia monostachya*—c (71 ha; 175 ac)

(i) Unit consists of the following 15 boundary points: Start at 621273, 2359524; 621269, 2359528; 621405, 2359780; 621744, 2360094; 621991, 2360258; 622260, 2360527; 622646, 2360763; 622811, 2360807; 623064, 2360560; 622811, 2360460; 622539, 2360384; 622376, 2360243; 622273, 2359934; 622138, 2359803; 621801, 2359537; return to starting point.

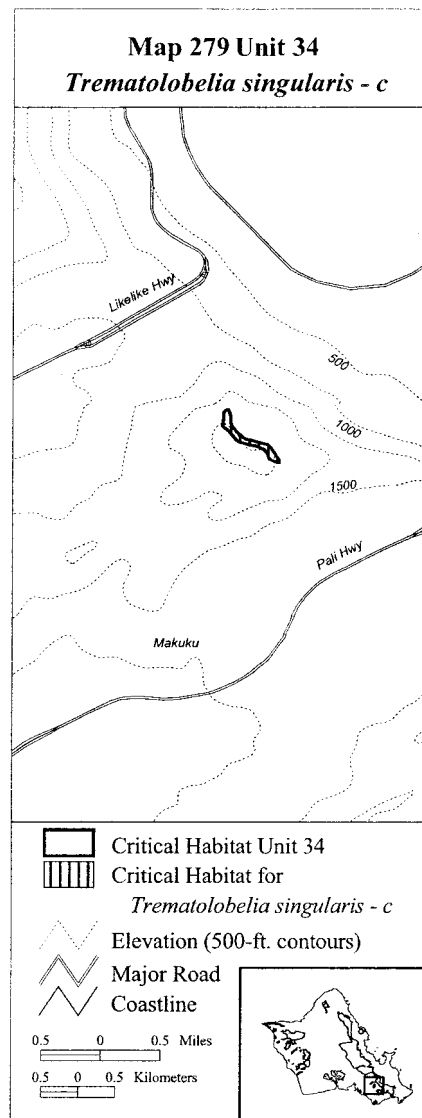
(ii) Note: Map 278 follows:



(279) Oahu 34—*Trematolobelia singularis*—c (2 ha; 5 ac)

(i) Unit consists of the following 32 boundary points: Start at 623343, 2363728; 623355, 2363728; 623364, 2363711; 623372, 2363677; 623371, 2363634; 623385, 2363607; 623414, 2363575; 623451, 2363542; 623476, 2363526; 623521, 2363513; 623563, 2363503; 623622, 2363488; 623649, 2363460; 623683, 2363405; 623700, 2363384; 623701, 2363365; 623686, 2363363; 623656, 2363376; 623636, 2363388; 623618, 2363424; 623600, 2363454; 623552, 2363477; 623493, 2363486; 623428, 2363505; 623409, 2363516; 623380, 2363554; 623357, 2363581; 623338, 2363598; 623319, 2363613; 623323, 2363648; 623326, 2363680; 623327, 2363707; return to starting point.

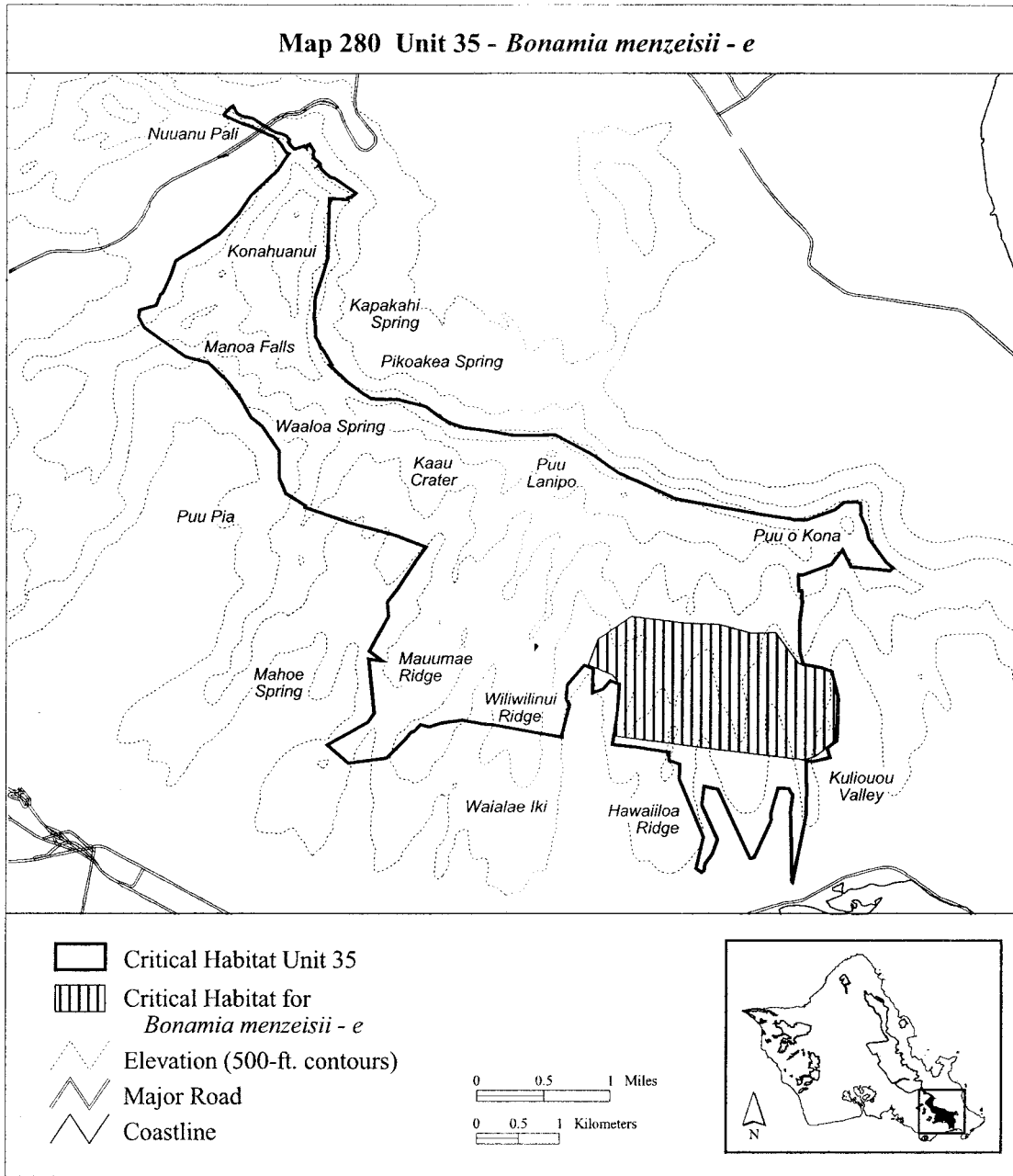
(ii) **Note:** Map 279 follows:



(280) Oahu 35—*Bonamia menziesii*—e (374 ha; 923 ac)

(i) Unit consists of the following 18 boundary points: Start at 629086, 2356780; 629201, 2357084; 629606, 2357366; 630257, 2357286; 630655, 2357272; 631038, 2357163; 631327, 2357170; 631609, 2356794; 631877, 2356751; 632000, 2356700; 632072, 2356404; 632058, 2355876; 631812, 2355681; 631674, 2355645; 630640, 2355768; 629404, 2355928; 629462, 2356549; 629375, 2356657; return to starting point.

(ii) **Note:** Map 280 follows:



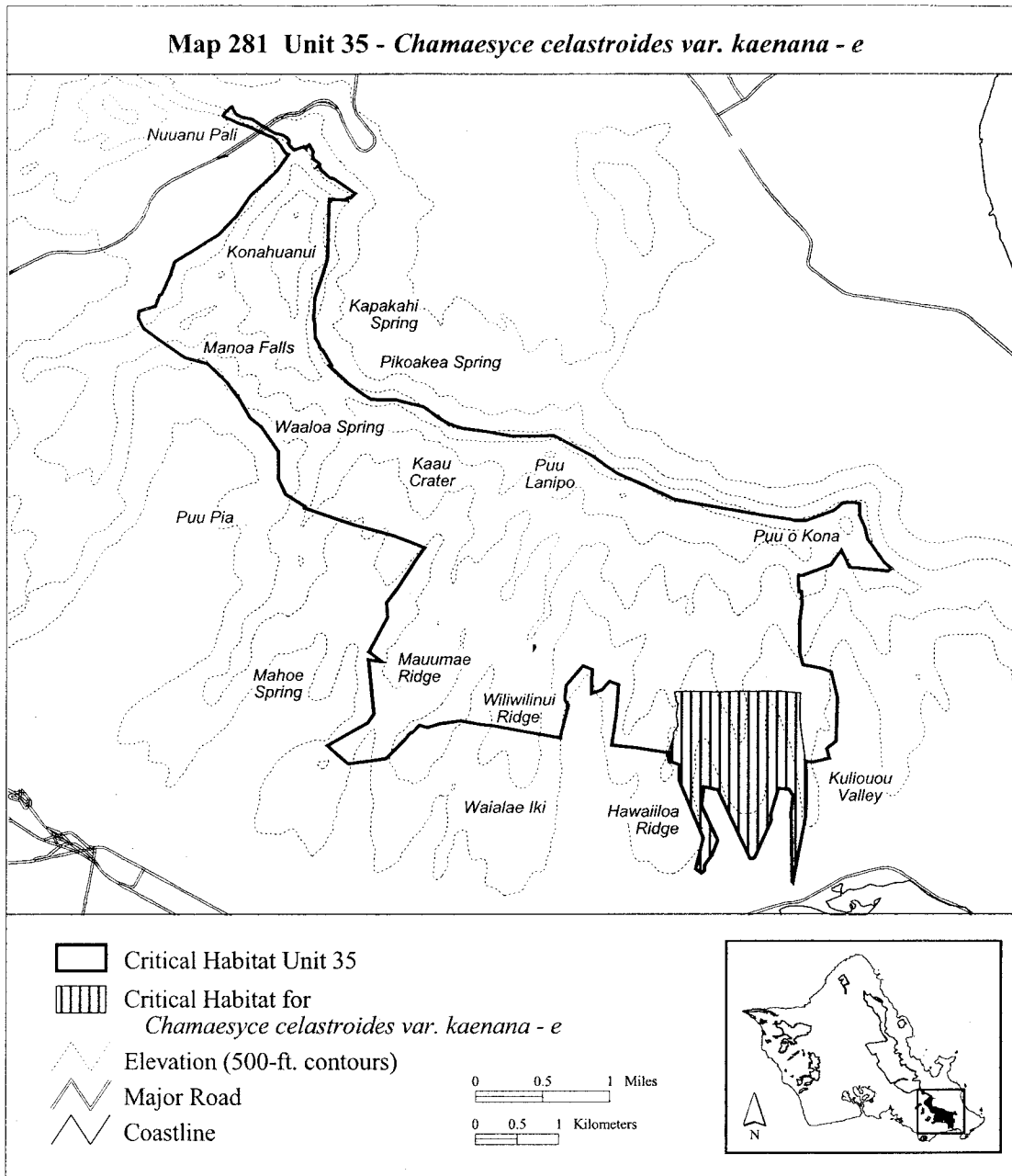
(281) Oahu 35—*Chamaesyce celastroides* var. *kaenana*—e (238 ha; 588 ac)

(i) Unit consists of the following 70 boundary points: Start at 630069, 2355613; 630055, 2355683; 630069, 2355782; 630115, 2355917; 630117, 2355972; 630168, 2356052; 630166, 2356126; 630151, 2356177; 630170, 2356314; 630142, 2356382; 630132, 2356461; 630142, 2356466; 630187, 2356468; 630387, 2356468; 630650, 2356466; 630903, 2356468; 631279, 2356468; 631394, 2356468; 631628,

2356449; 631621, 2356331; 631623, 2356148; 631638, 2355948; 631662, 2355818; 631694, 2355602; 631693, 2355601; 631693, 2355600; 631701, 2355280; 631697, 2354977; 631536, 2354177; 631533, 2354184; 631525, 2354596; 631529, 2354705; 631522, 2354734; 631518, 2354916; 631517, 2354919; 631511, 2355000; 631542, 2355222; 631516, 2355248; 631493, 2355297; 631363, 2355306; 631277, 2355000; 631285, 2354918; 631284, 2354916; 631283, 2354916; 631081, 2354472; 631034, 2354467; 630645,

2355292; 630645, 2355293; 630644, 2355293; 630484, 2355324; 630483, 2355324; 630482, 2355323; 630455, 2355102; 630455, 2355101; 630642, 2354688; 630575, 2354506; 630566, 2354490; 630493, 2354399; 630486, 2354322; 630453, 2354295; 630390, 2354343; 630473, 2354715; 630473, 2354716; 630187, 2355415; 630193, 2355589; 630102, 2355623; 630101, 2355624; 630101, 2355625; 630100, 2355625; 630099, 2355625; return to starting point.

(ii) **Note:** Map 281 follows:



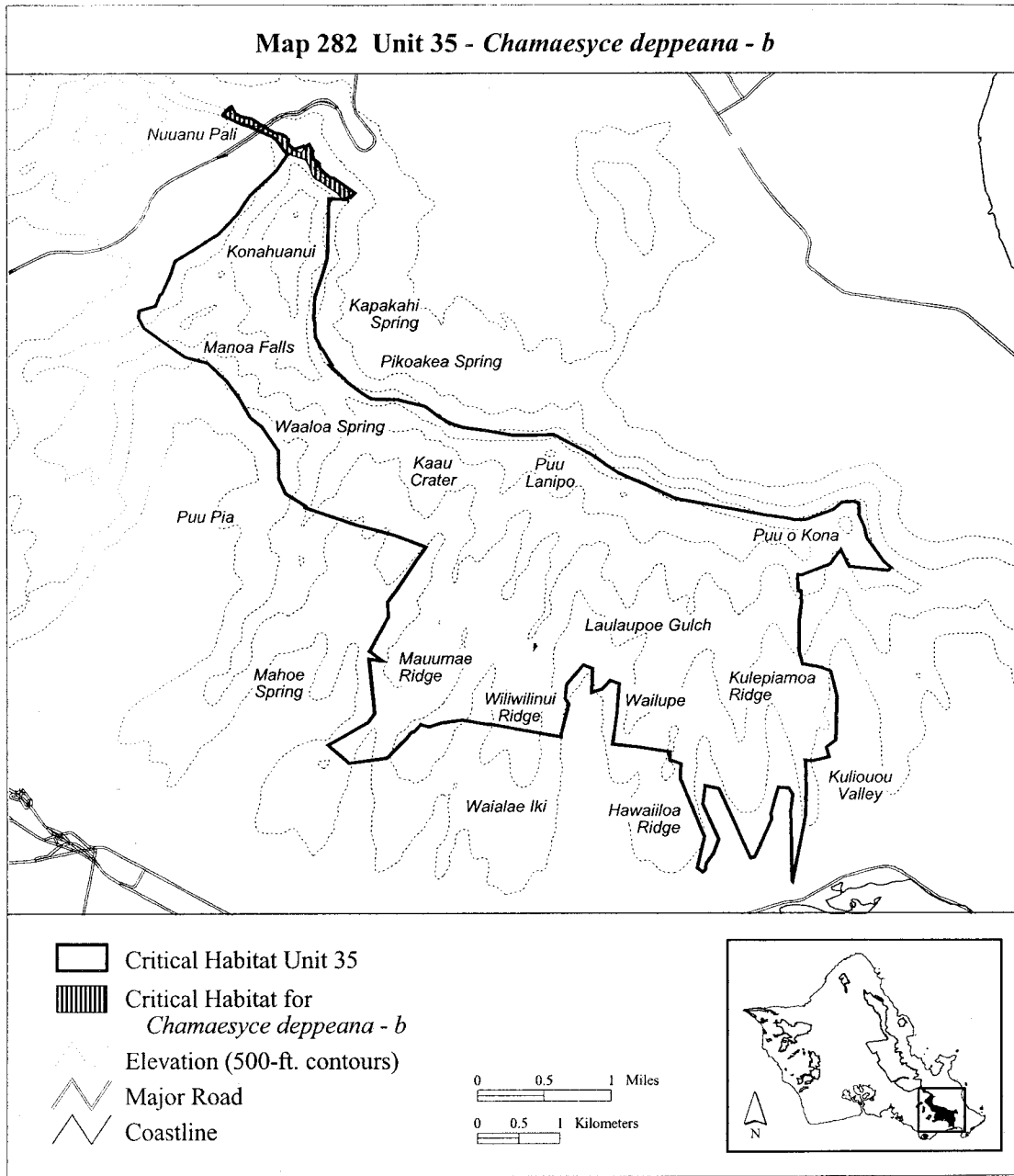
(282) Oahu 35—*Chamaesyce deppeana*—b (19 ha; 47 ac)

(i) Unit consists of the following 71 boundary points: Start at 624710, 2363371; 624704, 2363385; 624721, 2363406; 624754, 2363442; 624783, 2363468; 624809, 2363480; 624859, 2363397; 624925, 2363364; 624987, 2363347; 625052, 2363337; 625116, 2363295; 625176, 2363254; 625290, 2363182; 625335, 2363163; 625376, 2363161; 625417, 2363145; 625460, 2363118; 625486, 2363082; 625483,

2363045; 625510, 2363008; 625547, 2362971; 625588, 2362949; 625624, 2362933; 625650, 2362939; 625665, 2362968; 625690, 2362985; 625703, 2363013; 625729, 2363029; 625730, 2363028; 625777, 2362945; 625776, 2362902; 625784, 2362858; 625829, 2362823; 625853, 2362797; 625843, 2362776; 625853, 2362787; 625872, 2362725; 625896, 2362687; 625924, 2362659; 625955, 2362641; 625994, 2362628; 626024, 2362620; 626028, 2362620; 626279, 2362444; 626232, 2362397; 626194, 2362389; 626136,

2362372; 626088, 2362415; 626075, 2362435; 626062, 2362444; 625972, 2362510; 625888, 2362572; 625805, 2362613; 625771, 2362659; 625752, 2362715; 625733, 2362770; 625738, 2362766; 625724, 2362780; 625698, 2362830; 625671, 2362852; 625595, 2362871; 625540, 2362897; 625464, 2362918; 625438, 2362942; 625390, 2363018; 625328, 2363095; 625293, 2363123; 625231, 2363145; 625131, 2363190; 625004, 2363245; 624904, 2363282; return to starting point.

(ii) **Note:** Map 282 follows:



(283) Oahu 35—*Cyanea crispera*—d
(1,336 ha; 3,301 ac)

(i) Unit consists of the following 98 boundary points: Start at 623944, 2361231; 623966, 2361243; 624062, 2361457; 624128, 2361633; 624397, 2361796; 624487, 2361853; 624497, 2361858; 624498, 2361858; 624502, 2361863; 624648, 2361955; 624873, 2362180; 625030, 2362416; 625040, 2362426; 625350, 2362723; 625502, 2362941; 625666, 2363011; 625734, 2362935; 625866, 2362736; 625998, 2362617; 626117, 2362524; 626170, 2362445; 626184, 2362366; 625959, 2362379; 625945, 2361955; 625945, 2361730; 625839, 2361465; 625800,

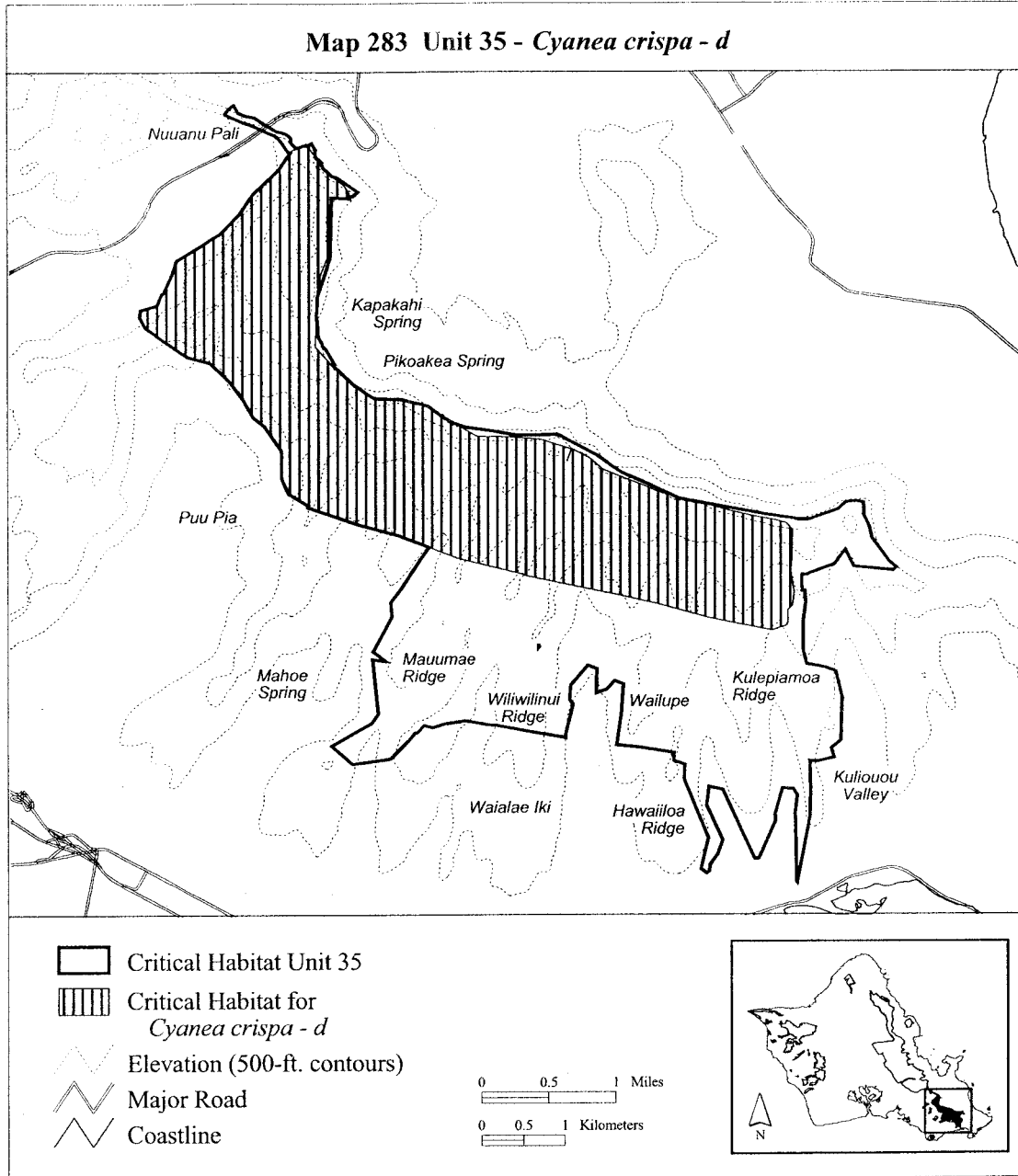
2361201; 625791, 2361007; 625783, 2360976; 625783, 2360975; 625789, 2360950; 625773, 2360605; 625998, 2360354; 626237, 2360115; 626475, 2359983; 626887, 2359949; 627102, 2359895; 627121, 2359883; 627282, 2359763; 627395, 2359699; 627408, 2359690; 627411, 2359689; 627473, 2359654; 627708, 2359529; 628098, 2359518; 628484, 2359486; 628840, 2359373; 628785, 2359224; 628843, 2359377; 629050, 2359268; 629218, 2359127; 629499, 2359010; 629714, 2358932; 629847, 2358866; 630108, 2358784; 630292, 2358725; 630510, 2358694; 630725, 2358631; 630998, 2358573; 631279, 2358518; 631412,

2358483; 631482, 2358393; 631478, 2358089; 631466, 2357898; 631506, 2357656; 631482, 2357496; 631431, 2357429; 631431, 2357293; 631412, 2357250; 631248, 2357195; 630826, 2357273; 630491, 2357343; 629874, 2357511; 629343, 2357636; 628949, 2357714; 628266, 2357862; 628269, 2357871; 627485, 2358059; 626771, 2358332; 626283, 2358472; 625686, 2358675; 625690, 2358695; 625455, 2358843; 625373, 2359027; 625376, 2359349; 625164, 2359653; 625032, 2359759; 624900, 2359996; 624754, 2360181; 624529, 2360406; 624245, 2360483; 623937, 2360701; 623750, 2360834; 623679, 2360963; 623691,

2361043; 623890, 2361096; 623891,

2361096; 623891, 2361097; return to starting point.

(ii) **Note:** Map 283 follows:



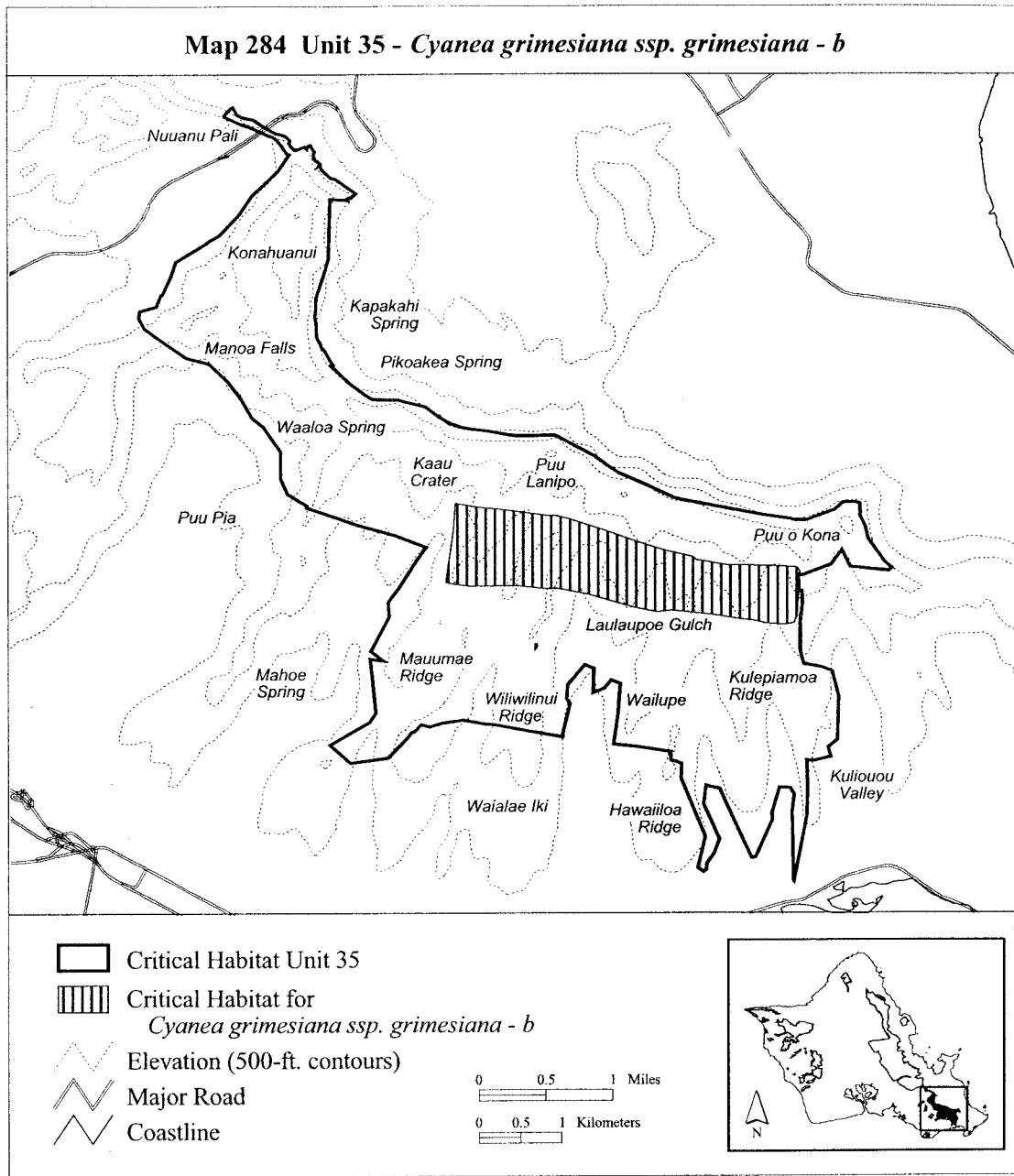
(284) Oahu 35—*Cyanea grimesiana* ssp. *grimesiana*—b (329 ha; 813 ac)

(i) Unit consists of the following 43 boundary points: Start at 627482, 2358725; 627502, 2358723; 627743, 2358682; 628029, 2358650; 628580, 2358576; 628682, 2358576; 628842, 2358539; 628841, 2358537; 629315, 2358380; 629642, 2358266; 629985,

2358159; 630320, 2358086; 630369, 2358045; 630745, 2357984; 631011, 2357980; 631198, 2357972; 631415, 2357968; 631582, 2357955; 631611, 2357898; 631595, 2357837; 631599, 2357682; 631587, 2357502; 631574, 2357371; 631542, 2357285; 631439, 2357265; 631223, 2357277; 631080, 2357310; 630888, 2357330; 630602,

2357379; 630214, 2357420; 630067, 2357432; 629900, 2357412; 629614, 2357473; 629078, 2357628; 628693, 2357706; 628690, 2357694; 628547, 2357698; 628241, 2357731; 627906, 2357732; 627645, 2357732; 627428, 2357760; 627367, 2357780; 627450, 2358384; return to starting point.

(ii) **Note:** Map 284 follows:



(285) Oahu 35—*Cyanea humboldtiana*—e (539 ha; 1,333 ac)

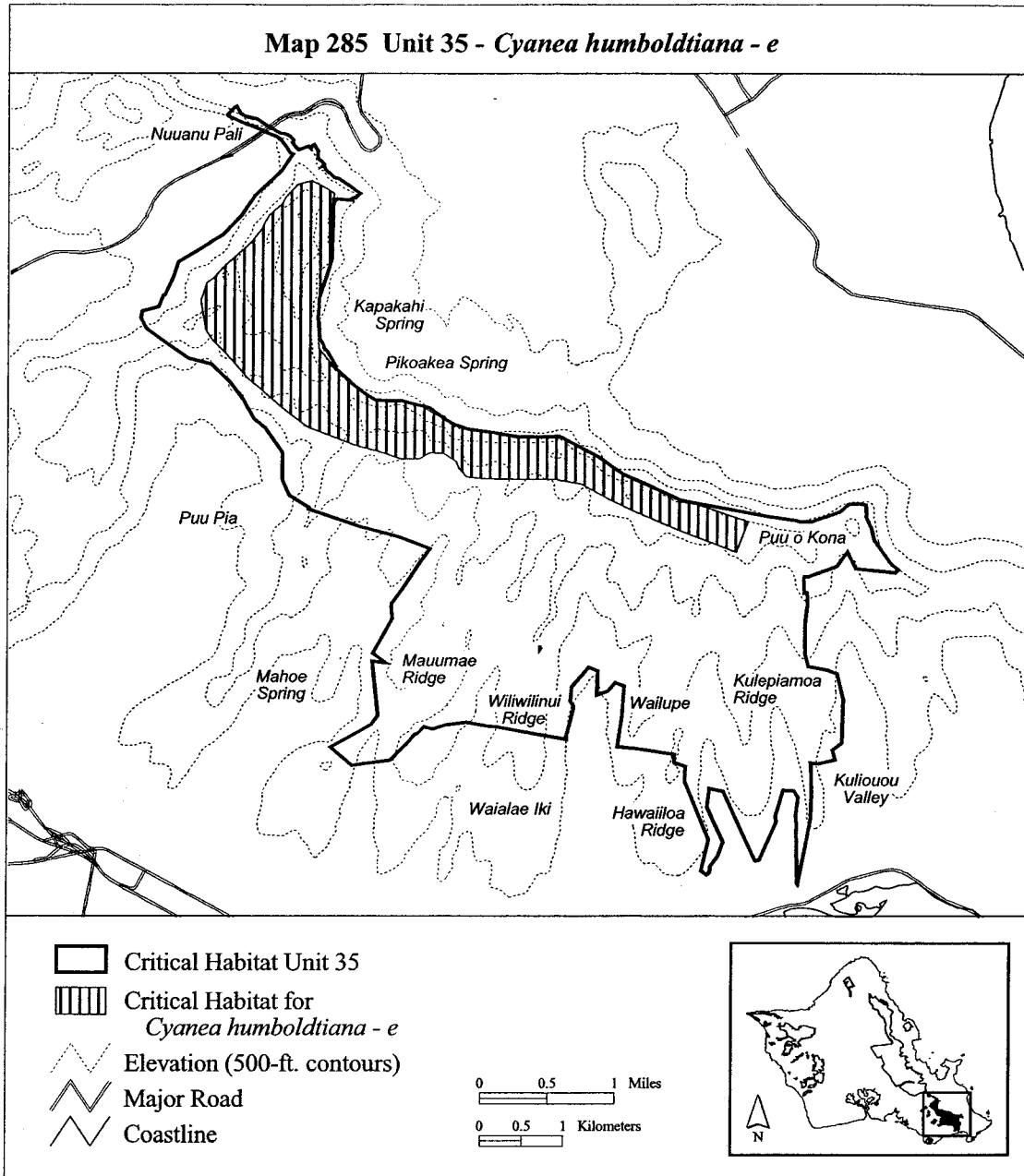
(i) Unit consists of the following 96 boundary points: Start at 625951, 2361660; 625886, 2361457; 625799, 2361195; 625784, 2360979; 625783, 2360976; 625783, 2360975; 625784, 2360974; 625779, 2360900; 625799, 2360606; 625965, 2360402; 626198, 2360174; 626389, 2360033; 626480, 2359983; 626479, 2359983; 626675, 2359975; 626782, 2359975; 626986, 2359924; 627140, 2359829; 627393, 2359697; 627405, 2359693; 627408, 2359690; 627415, 2359689; 627568, 2359634; 627871, 2359597; 628136, 2359543; 628188, 2359542; 628197,

2359540; 628198, 2359540; 628255, 2359541; 628348, 2359539; 628418, 2359542; 628664, 2359545; 628664, 2359537; 628705, 2359530; 628764, 2359501; 629131, 2359305; 629261, 2359211; 629448, 2359086; 629801, 2358933; 630060, 2358809; 630083, 2358796; 630084, 2358796; 630088, 2358795; 630104, 2358787; 630273, 2358739; 630294, 2358740; 630929, 2358526; 630785, 2358154; 630110, 2358417; 629634, 2358615; 629593, 2358630; 629241, 2358804; 628925, 2358974; 628655, 2359024; 628655, 2359028; 628240, 2359032; 627767, 2359036; 627559, 2359057; 627468, 2359169; 627431, 2359244; 627285,

2359340; 627119, 2359352; 626999, 2359273; 626783, 2359277; 626546, 2359356; 626219, 2359447; 625982, 2359539; 625680, 2359657; 625675, 2359655; 625662, 2359664; 625654, 2359667; 625657, 2359669; 625351, 2359896; 625110, 2360116; 624957, 2360240; 624824, 2360394; 624674, 2360560; 624537, 2360693; 624454, 2360826; 624417, 2361017; 624392, 2361170; 624463, 2361382; 624546, 2361436; 624670, 2361573; 624795, 2361685; 624990, 2361855; 625102, 2362000; 625201, 2362179; 625347, 2362308; 625405, 2362407; 625550, 2362557; 625704, 2362598; 625870, 2362511; 625974, 2362449; 625970,

2362364; 625969, 2362363; return to starting point.

(ii) Note: Map 285 follows:



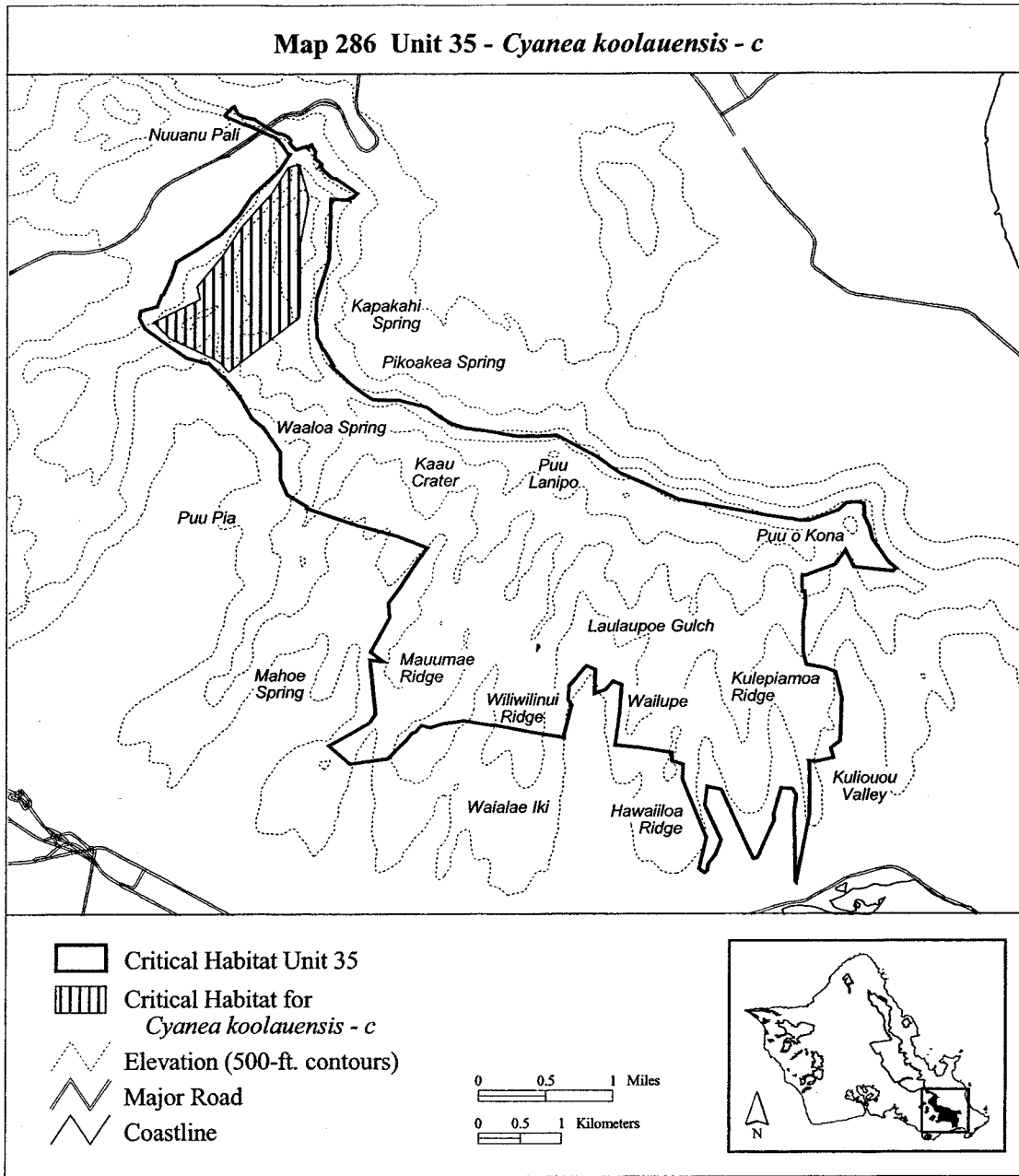
(286) Oahu 35—*Cyanea koolauensis*—c (209 ha; 517 ac)

(i) Unit consists of the following 16 boundary points: Start at 623850,

2360912; 624406, 2361184; 624371, 2361338; 624678, 2361692; 624891, 2362035; 625258, 2362438; 625459, 2362757; 625589, 2362792; 625695, 2362378; 625601, 2361834; 625601,

2361113; 625594, 2360964; 624749, 2360309; 624669, 2360404; 624595, 2360462; 624039, 2360722; return to starting point.

(ii) Note: Map 286 follows:



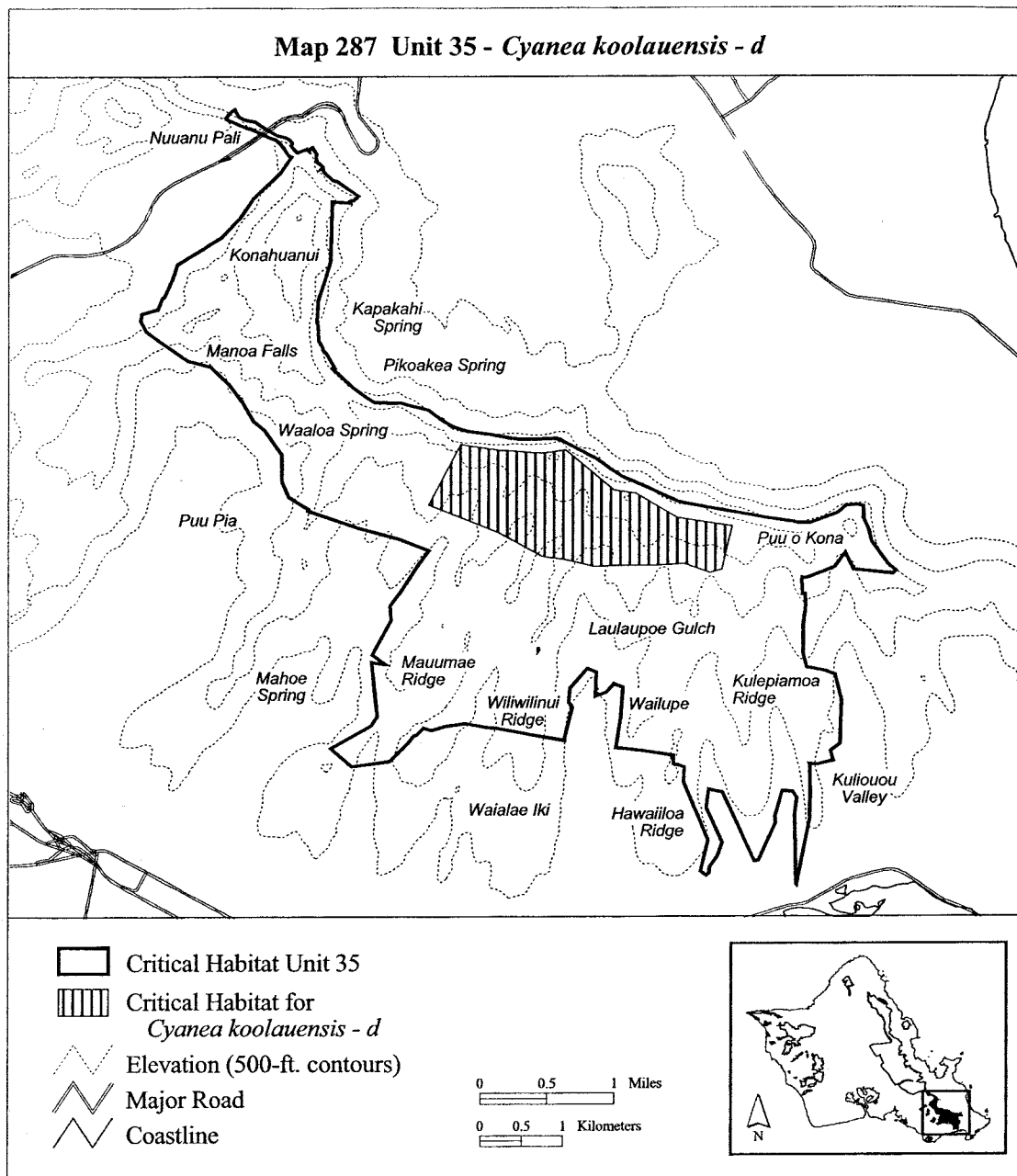
(287) Oahu 35—*Cyanea koolauensis*—d
(312 ha; 770 ac)

(i) Unit consists of the following 18 boundary points: Start at 627127, 2358746; 627509, 2359475; 627960,

2359406; 628481, 2359371; 628776, 2359406; 629349, 2358920; 629609, 2358885; 630095, 2358590; 630755, 2358486; 630633, 2357965; 630494, 2357930; 630182, 2358035; 629835,

2358017; 629349, 2358017; 629123, 2358000; 628759, 2358087; 628498, 2358121; 627960, 2358416; return to starting point.

(ii) **Note:** Map 287 follows:



(288) Oahu 35—*Cyanea st.-johnii*—b
 (135 ha; 333 ac)

(i) Unit consists of the following 130 boundary points: Start at 631368, 2358369; 631225, 2358417; 630942, 2358443; 630644, 2358485; 630309, 2358568; 630157, 2358621; 629922, 2358689; 629644, 2358804; 629414, 2358882; 629294, 2358919; 629105, 2359045; 628875, 2359217; 628671, 2359301; 628498, 2359322; 628211, 2359343; 628211, 2359338; 628130, 2359359; 627971, 2359359; 627800, 2359353; 627739, 2359353; 627541, 2359413; 627345, 2359461; 627279, 2359509; 627240, 2359564; 627120, 2359633; 627042, 2359681; 626985,

2359765; 626894, 2359771; 626654, 2359774; 626368, 2359843; 626188, 2359951; 625986, 2360138; 625854, 2360255; 625791, 2360325; 625791, 2360324; 625782, 2360335; 625770, 2360348; 625770, 2360349; 625743, 2360381; 625674, 2360463; 625620, 2360580; 625604, 2360637; 625601, 2360766; 625589, 2360905; 625550, 2361094; 625550, 2361199; 625544, 2361295; 625517, 2361365; 625511, 2361434; 625535, 2361527; 625535, 2361575; 625529, 2361692; 625598, 2361783; 625617, 2361903; 625605, 2362059; 625604, 2362059; 625556, 2362125; 625505, 2362177; 625493, 2362228; 625532, 2362258; 625562,

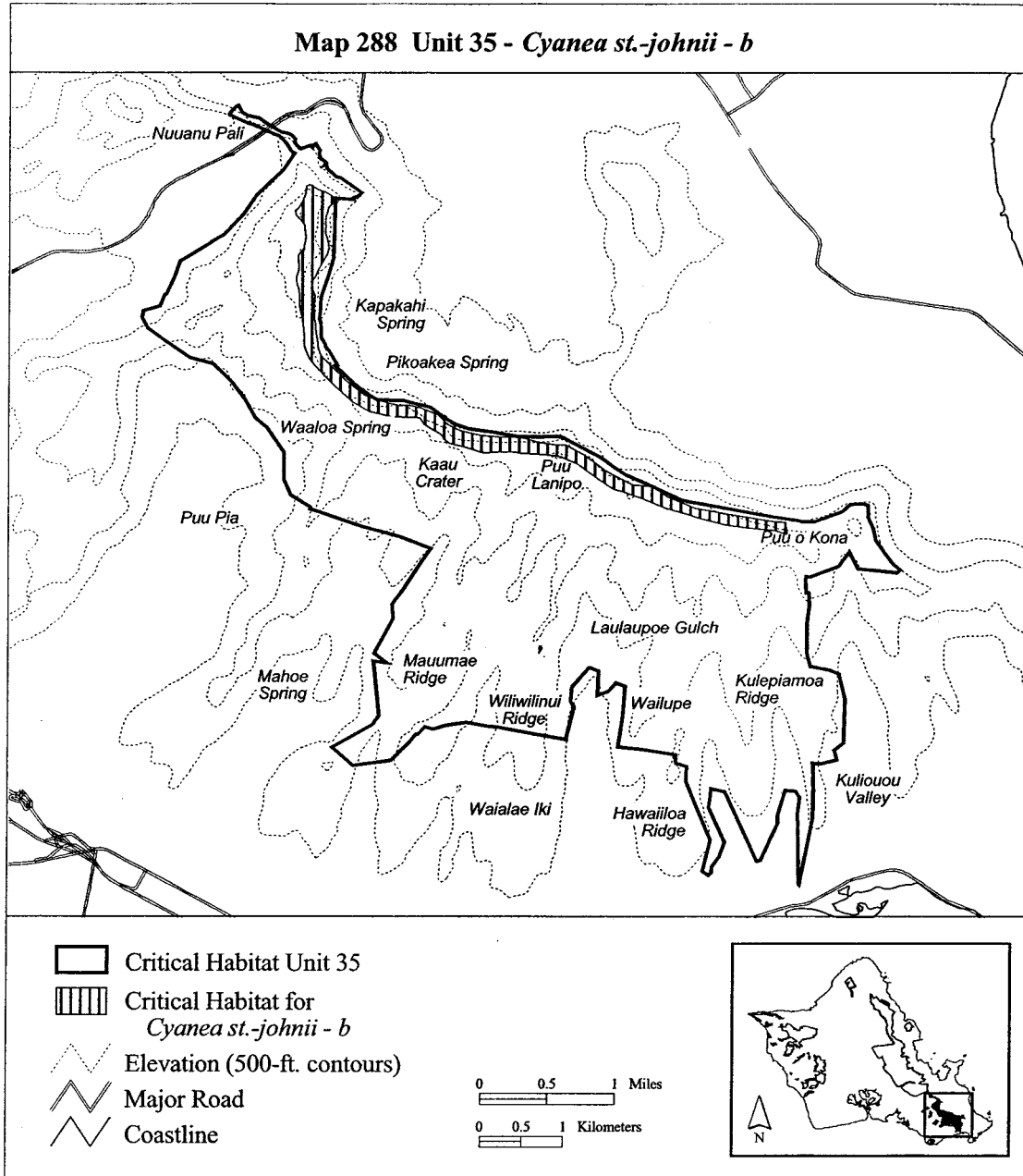
2362309; 625607, 2362414; 625623, 2362519; 625662, 2362540; 625689, 2362525; 625755, 2362489; 625848, 2362450; 625929, 2362408; 625956, 2362378; 625935, 2362312; 625887, 2362264; 625875, 2362219; 625857, 2362161; 625854, 2362080; 625851, 2362080; 625857, 2361951; 625881, 2361867; 625896, 2361774; 625869, 2361698; 625830, 2361629; 625773, 2361539; 625737, 2361449; 625698, 2361392; 625701, 2361298; 625731, 2361220; 625728, 2361151; 625719, 2361061; 625722, 2361004; 625722, 2360947; 625737, 2360896; 625749, 2360781; 625764, 2360664; 625764, 2360607; 625788, 2360550; 625815,

2360502; 625815, 2360499; 625875,
2360436; 626007, 2360306; 626104,
2360210; 626209, 2360129; 626338,
2360033; 626437, 2359991; 626636,
2359930; 626708, 2359918; 626744,
2359906; 626786, 2359912; 626867,
2359912; 626973, 2359891; 627201,

2359801; 627324, 2359681; 627466,
2359615; 627721, 2359552; 628004,
2359530; 628189, 2359539; 628189,
2359542; 628191, 2359541; 628409,
2359474; 628618, 2359442; 628734,
2359448; 628922, 2359343; 629000,
2359296; 629210, 2359134; 629398,

2359034; 629534, 2358966; 629754,
2358945; 629932, 2358830; 630262,
2358684; 630670, 2358610; 631214,
2358526; 631349, 2358518; return to
starting point.

(ii) **Note:** Map 288 follows:



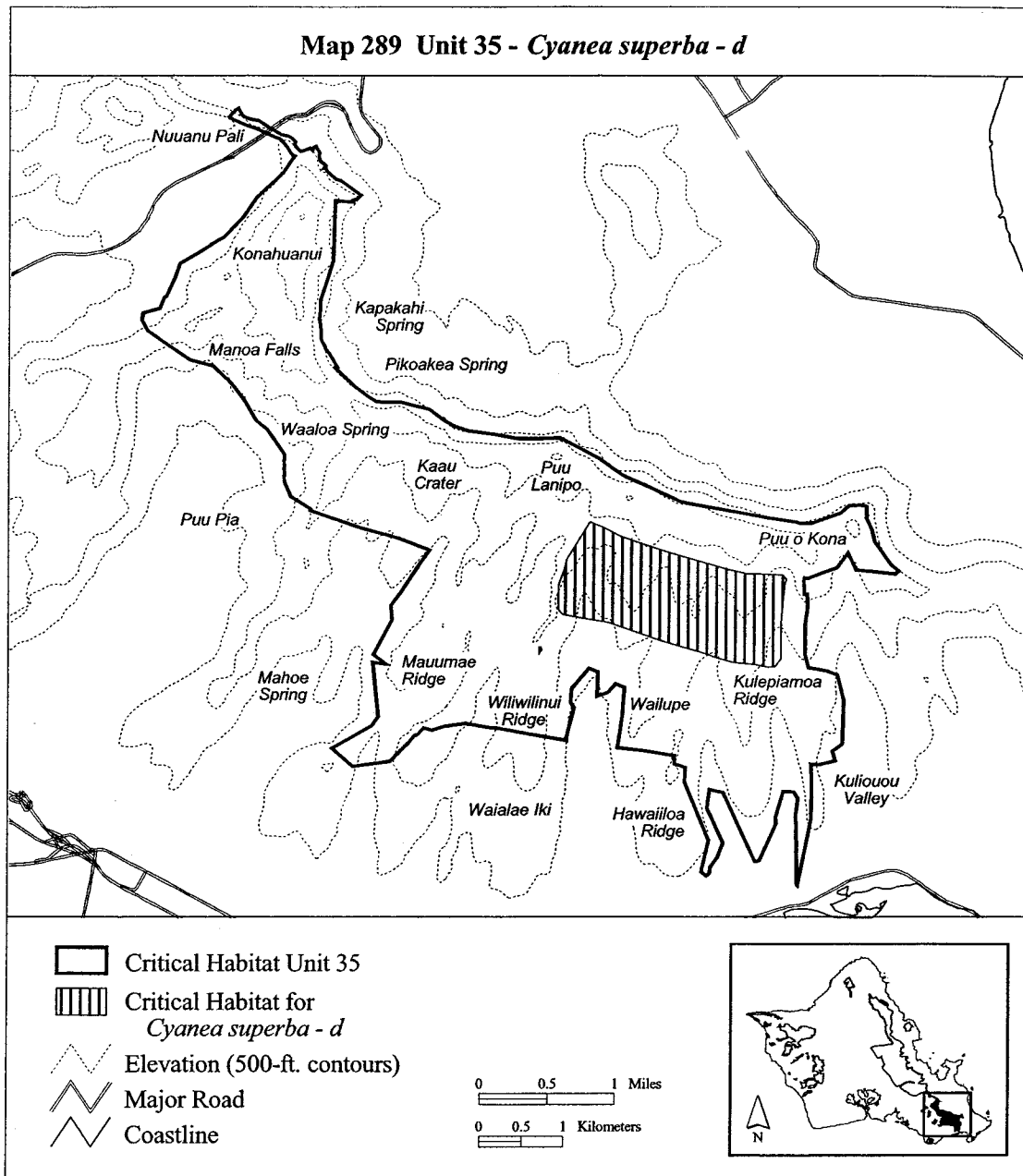
(289) Oahu 35—*Cyanea superba*—d
(282 ha; 697 ac)

(i) Unit consists of the following 38
boundary points: Start at 629040,
2358537; 629196, 2358469; 629405,
2358358; 629686, 2358265; 629978,
2358173; 630357, 2358061; 630692,
2357969; 630926, 2357915; 631052,

2357911; 631241, 2357906; 631348,
2357901; 631387, 2357847; 631373,
2357799; 631363, 2357706; 631343,
2357517; 631329, 2357327; 631329,
2357114; 631329, 2356890; 631261,
2356798; 631169, 2356793; 631023,
2356822; 630911, 2356837; 630765,
2356846; 630561, 2356905; 630372,
2356968; 630109, 2357046; 629866,

2357118; 629536, 2357235; 629254,
2357332; 628943, 2357386; 628714,
2357425; 628666, 2357488; 628666,
2357585; 628666, 2357687; 628666,
2357770; 628695, 2357852; 628744,
2357979; 628763, 2358081; return to
starting point.

(ii) **Note:** Map 289 follows:



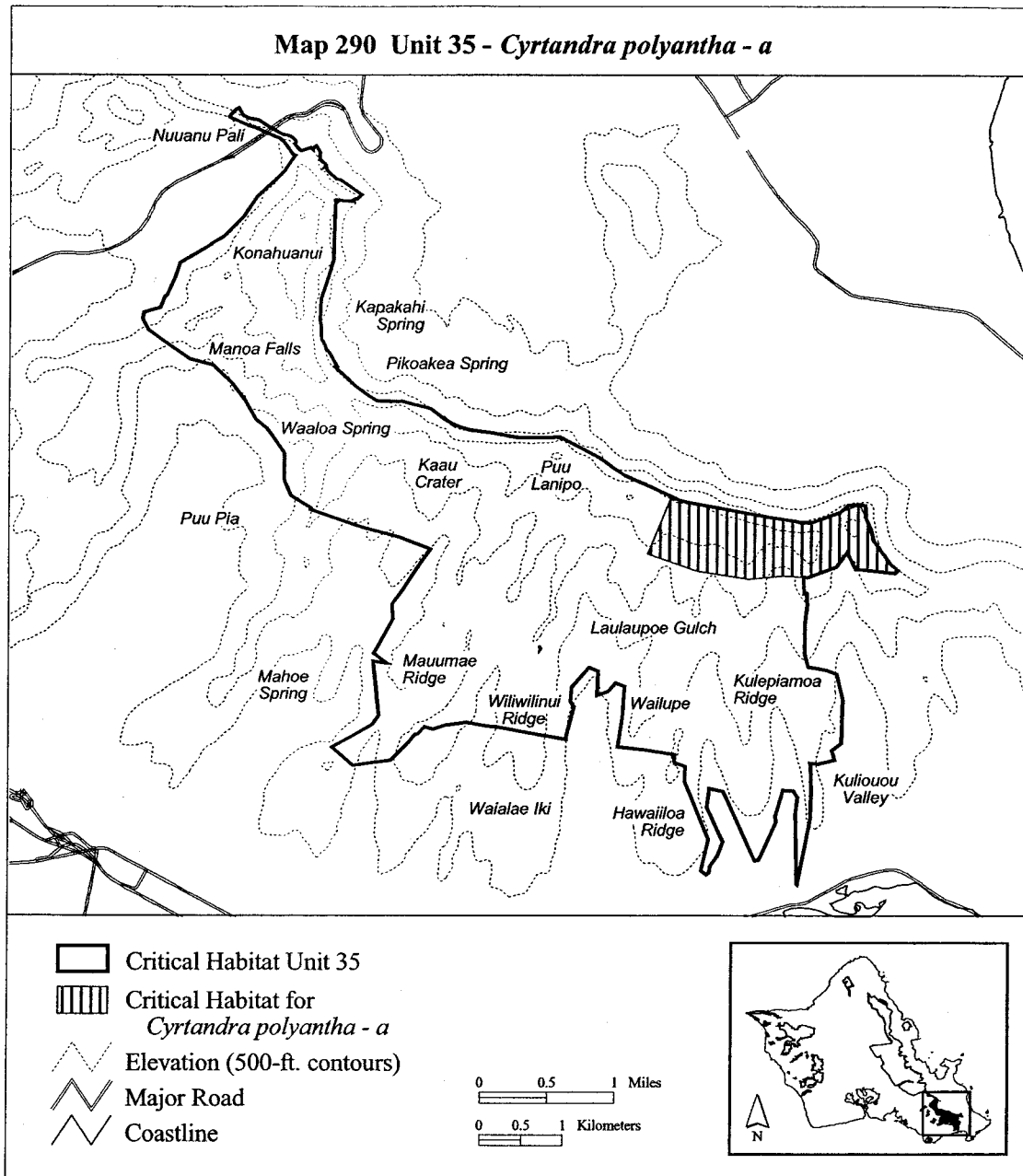
(290) Oahu 35—*Cyrtandra polyantha*—
a (190 ha; 469 ac)

(i) Unit consists of the following 21
boundary points: Start at 632692,
2357913; 632214, 2357962; 632118,

2358162; 631987, 2357985; 631642,
2357861; 631352, 2357878; 630945,
2357838; 630320, 2357935; 629723,
2358144; 629995, 2358800; 630879,
2358635; 631175, 2358587; 631506,
2358538; 631537, 2358522; 631694,

2358524; 632037, 2358651; 632266,
2358737; 632397, 2358444; 632436,
2358300; 632639, 2358025; 632725,
2357947; return to starting point.

(ii) **Note:** Map 290 follows:



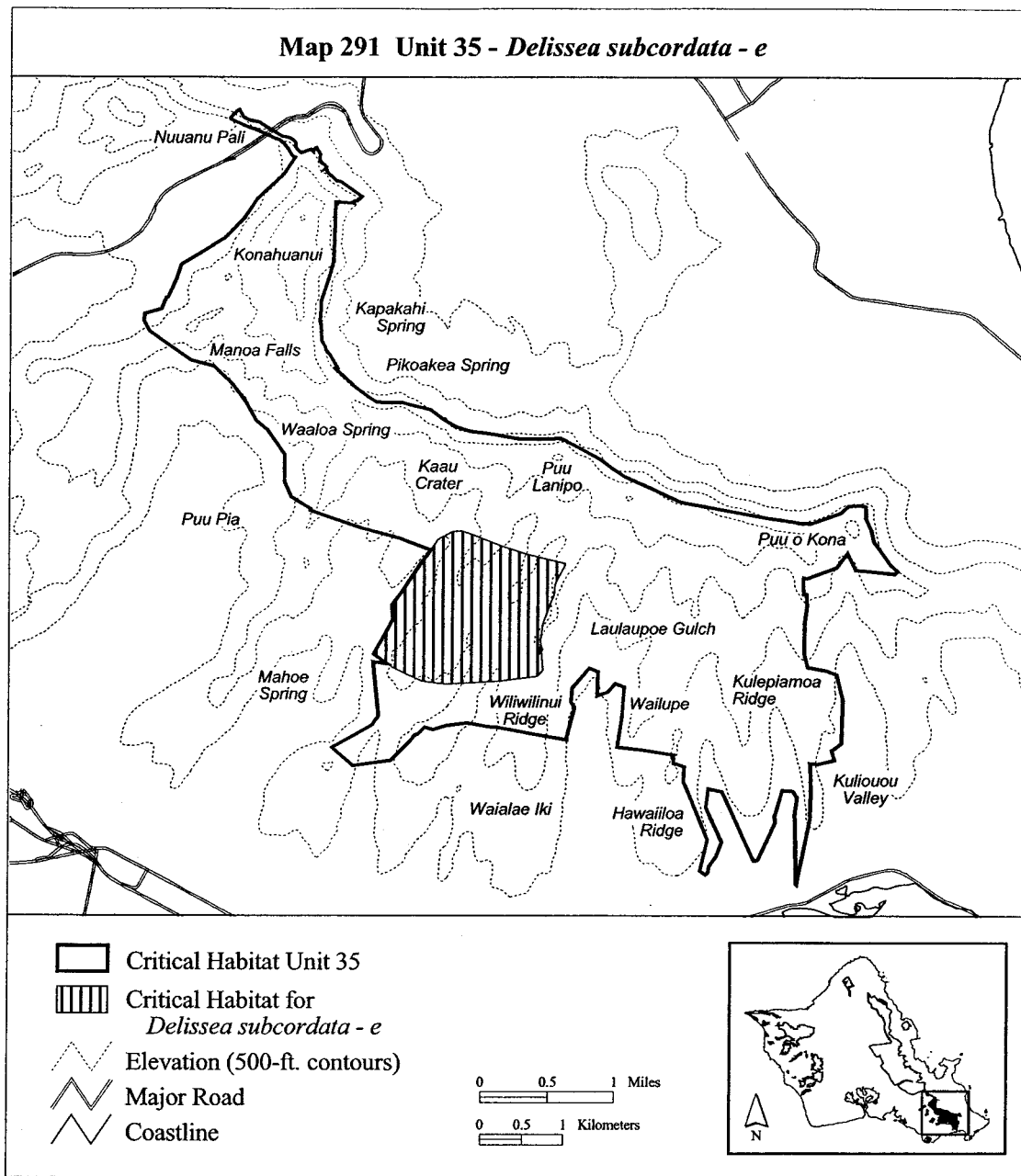
(291) Oahu 35—*Delissea subcordata*—e
(292 ha; 721 ac)

(i) Unit consists of the following 25 boundary points: Start at 626664, 2357534; 626795, 2357704; 627029, 2358053; 627224, 2358336; 627392,

2358423; 627502, 2358427; 627630, 2358379; 627953, 2358255; 628276, 2358149; 628736, 2358038; 628729, 2357998; 628614, 2357777; 628604, 2357670; 628469, 2357323; 628440, 2357112; 628469, 2356746; 628407,

2356682; 627935, 2356616; 627308, 2356585; 627034, 2356621; 626808, 2356718; 626676, 2356789; 626455, 2356942; 626679, 2357357; 626679, 2357358; return to starting point.

(ii) Note: Map 291 follows:



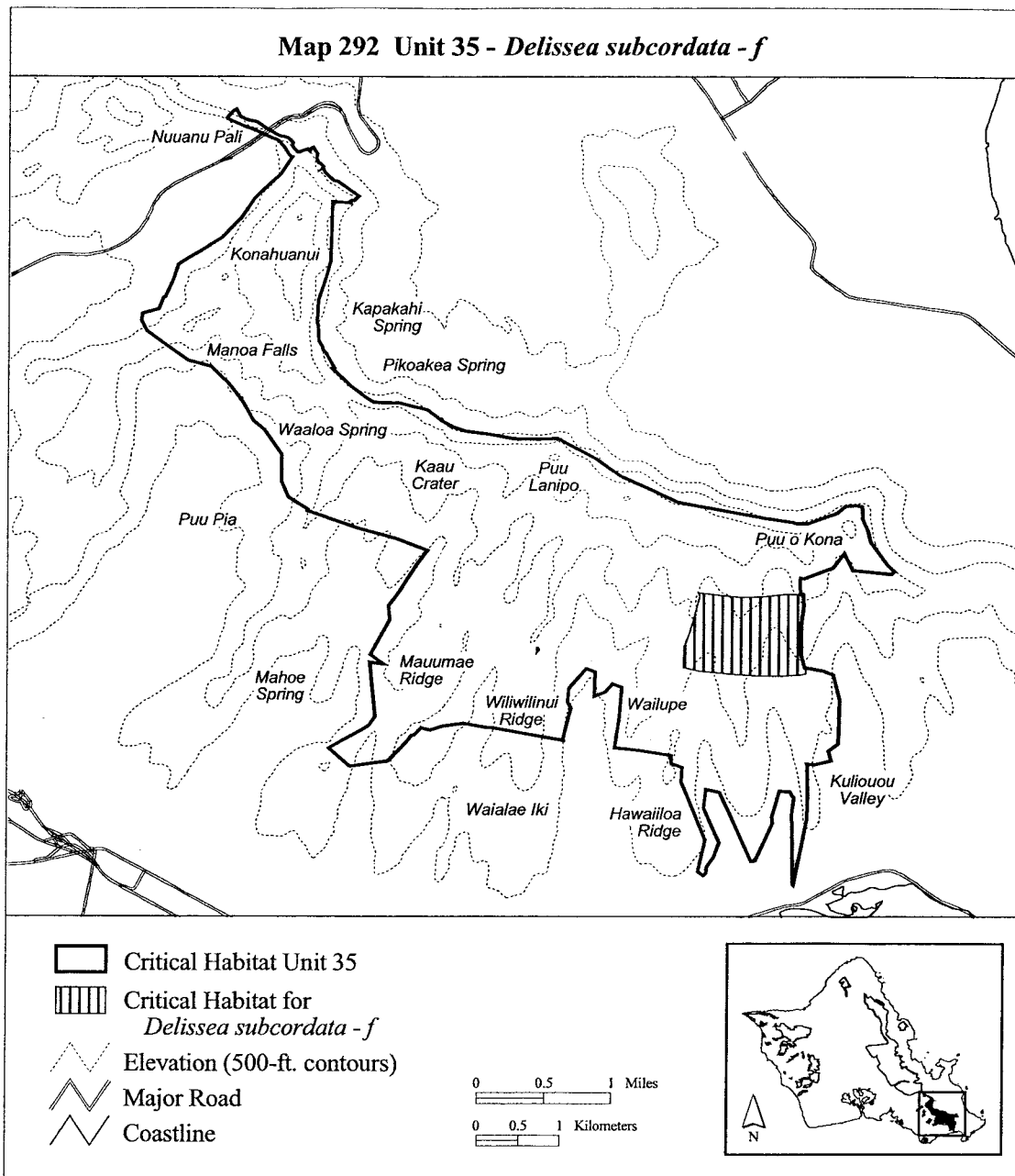
(292) Oahu 35—*Delissea subcordata*—f
(129 ha; 318 ac)

(i) Unit consists of the following 25 boundary points: Start at 630377, 2357689; 630601, 2357663; 630893, 2357636; 631140, 2357641; 631405,

2357672; 631635, 2357672; 631639, 2357530; 631617, 2357300; 631617, 2357133; 631616, 2357125; 631616, 2357124; 631617, 2357123; 631617, 2357097; 631613, 2356938; 631666, 2356743; 631666, 2356712; 631604,

2356699; 631374, 2356686; 631105, 2356686; 630791, 2356704; 630406, 2356739; 630195, 2356788; 630204, 2357034; 630272, 2357217; 630397, 2357642; return to starting point.

(ii) **Note:** Map 292 follows:



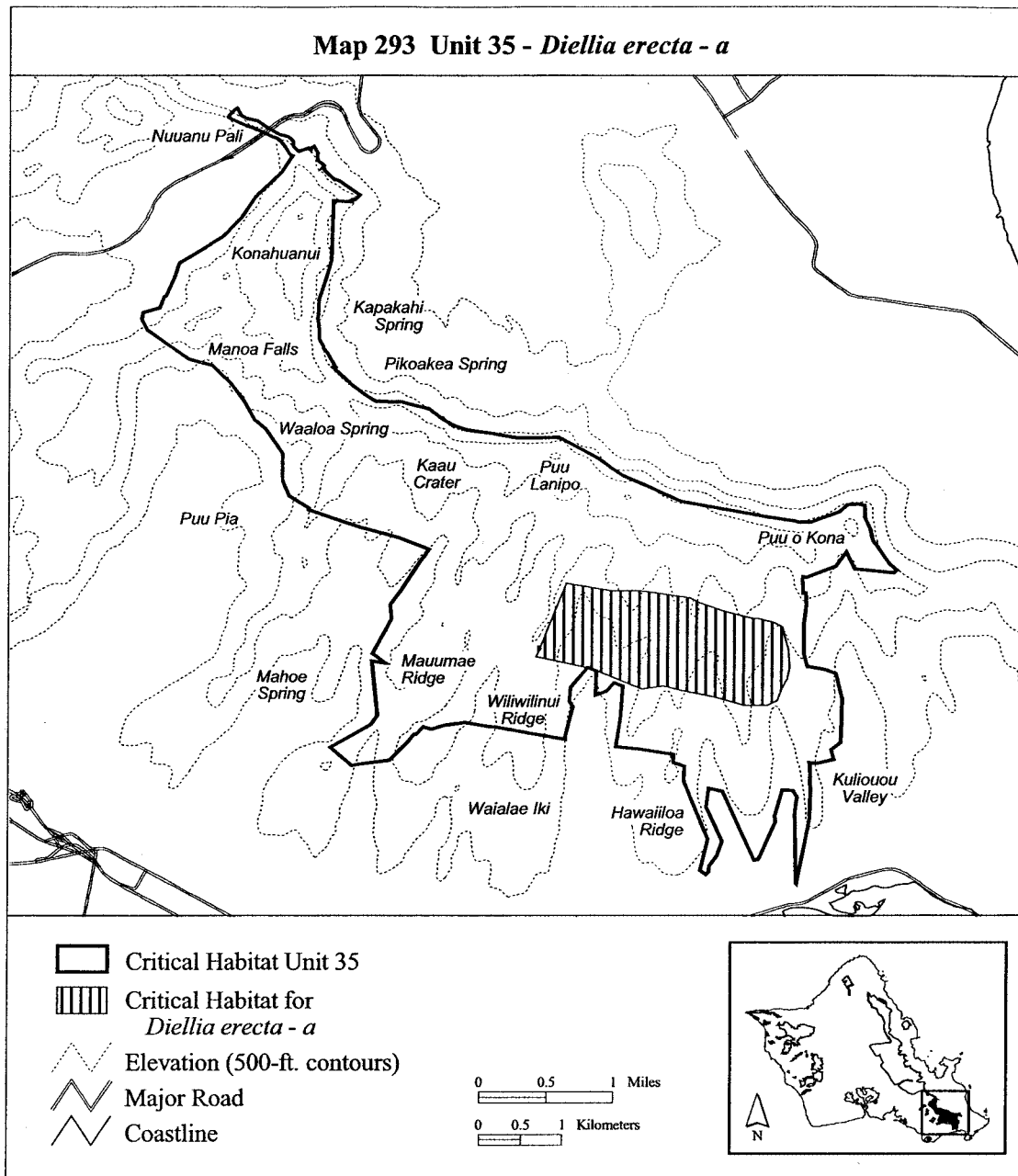
(293) Oahu 35—*Diellia erecta*—a (295 ha; 730 ac)

(i) Unit consists of the following 32 boundary points: Start at 629037, 2356776; 629036, 2356775; 629032, 2356777; 629030, 2356775; 628423, 2356903; 628417, 2356907; 628775,

2357794; 628842, 2357777; 629314, 2357699; 629642, 2357705; 629963, 2357653; 630249, 2357616; 630353, 2357564; 630664, 2357450; 630981, 2357372; 631080, 2357367; 631256, 2357320; 631355, 2357263; 631391, 2357118; 631433, 2356983; 631443, 2356765; 631417, 2356635; 631349,

2356511; 631298, 2356376; 631178, 2356319; 631043, 2356319; 630908, 2356319; 630540, 2356422; 630145, 2356505; 629943, 2356552; 629681, 2356520; 629147, 2356731; return to starting point.

(ii) **Note:** Map 293 follows:



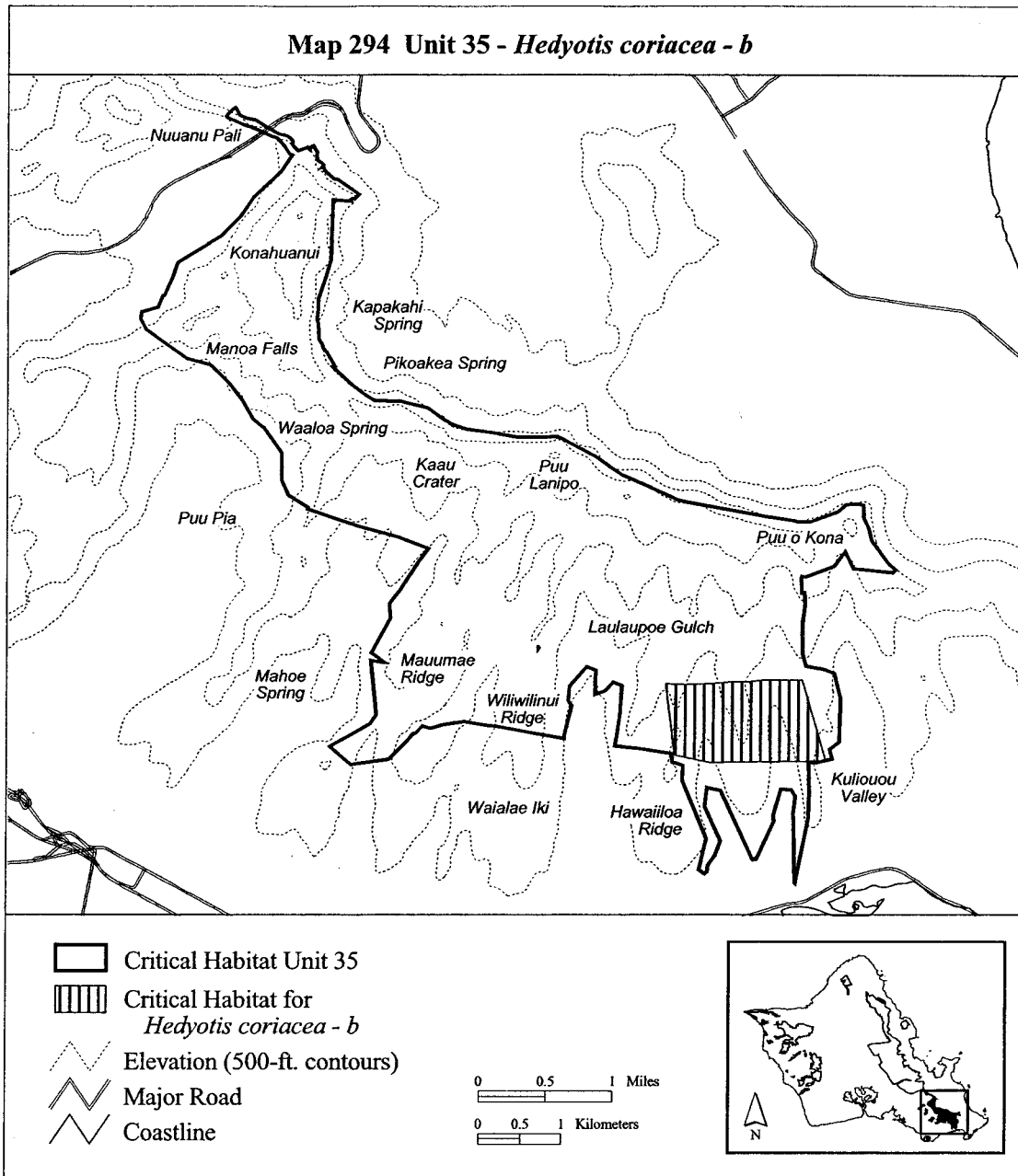
(294) Oahu 35—*Hedyotis coriacea*—b
(163 ha; 403 ac)

(i) Unit consists of the following 13 boundary points: Start at 629982,

2356572; 630184, 2356567; 630523,
2356580; 630771, 2356596; 630972,
2356596; 631144, 2356617; 631391,
2356622; 631609, 2356622; 631611,

2356622; 631896, 2356651; 631866,
2356644; 630509, 2356630; 630091,
2356715; return to starting point.

(ii) **Note:** Map 294 follows:



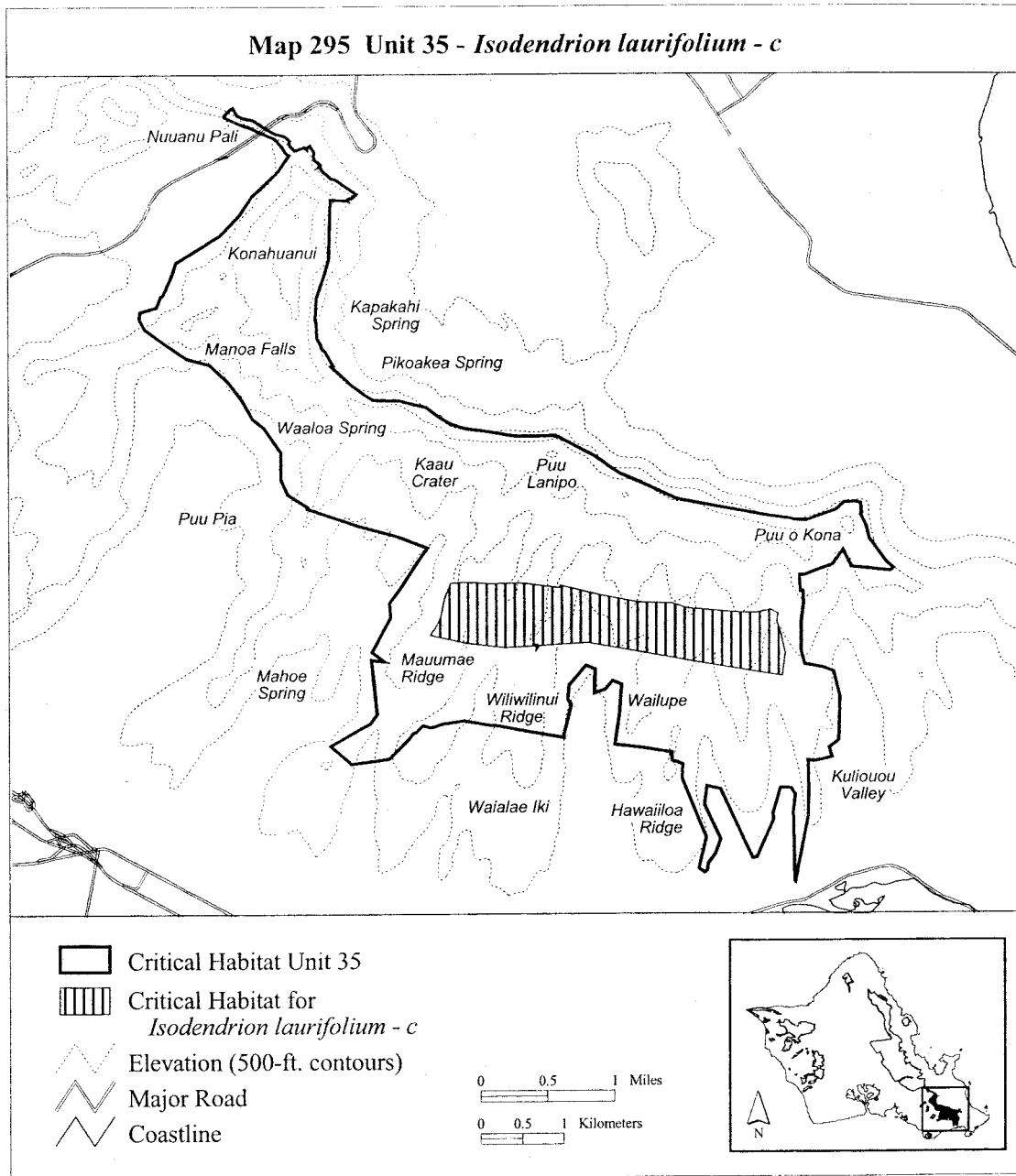
(295) Oahu 35—*Isodendron laurifolium*—c (277 ha; 685 ac)

(i) Unit consists of the following 31 boundary points: Start at 628725, 2357745; 629204, 2357630; 629647, 2357539; 630066, 2357524; 630242, 2357463; 630696, 2357423; 630898,

2357413; 631089, 2357413; 631256, 2357443; 631336, 2357398; 631321, 2357302; 631377, 2357140; 631427, 2356914; 631397, 2356712; 631390, 2356646; 630446, 2356803; 629057, 2357055; 628070, 2356995; 627577, 2357056; 627161, 2357148; 627222,

2357227; 627293, 2357373; 627333, 2357585; 627409, 2357772; 627540, 2357782; 627691, 2357777; 627868, 2357767; 628201, 2357771; 6282611, 628553, 2357740; 628721, 2357717; return to starting point.

(ii) **Note:** Map 295 follows:



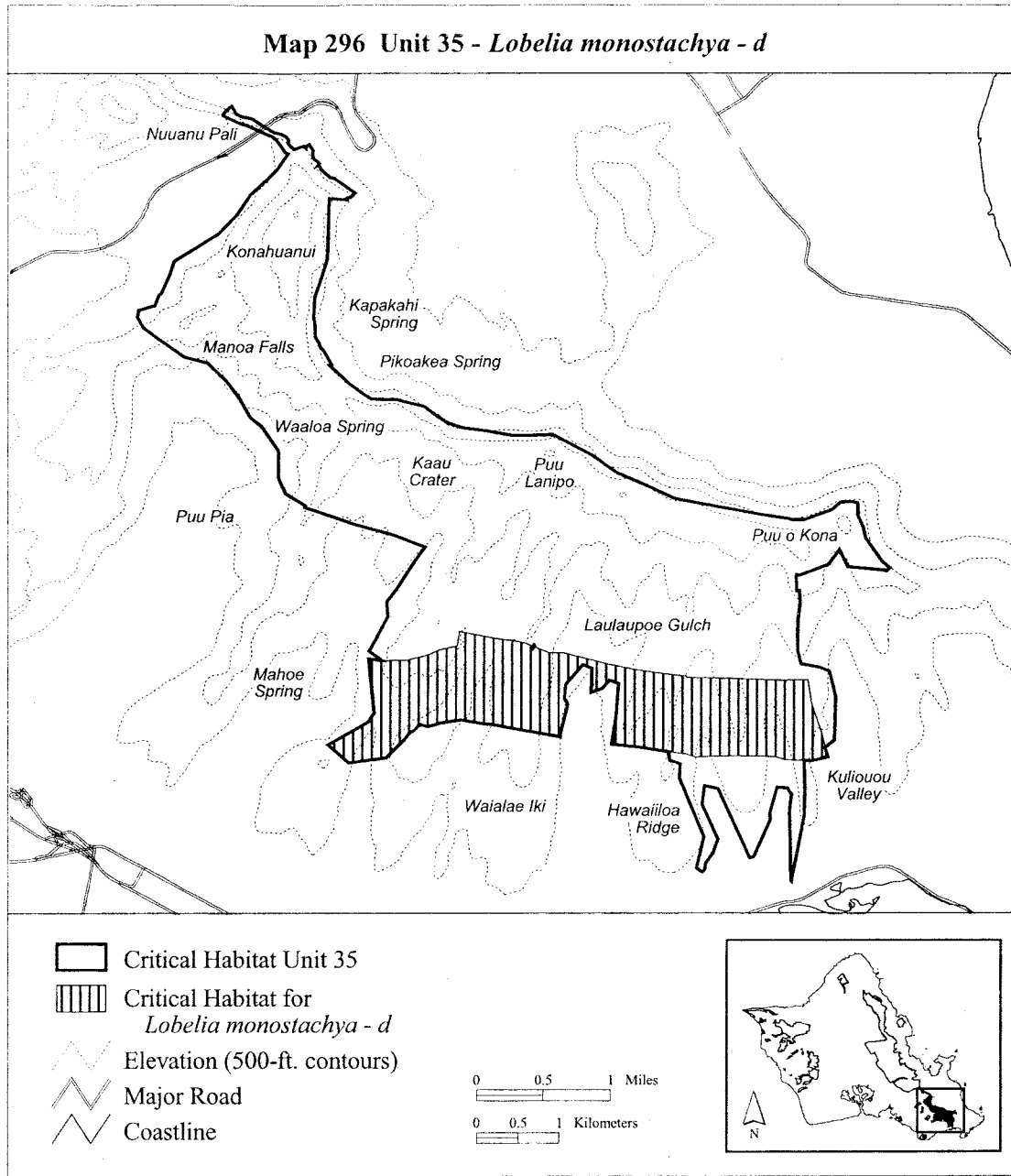
(296) Oahu 35—*Lobelia monostachya*—
d (492 ha; 1,216 ac)

(i) Unit consists of the following 69 boundary points: Start at 628771, 2355914; 628330, 2355988; 627926, 2356061; 627899, 2356066; 627897, 2356061; 627827, 2356068; 627571, 2356120; 627329, 2356083; 627168, 2356034; 627070, 2356065; 627069, 2356065; 626983, 2355978; 626965, 2355973; 626932, 2355944; 626890, 2355885; 626668, 2355663; 626214, 2355601; 625964, 2355819; 626441,

2356092; 626441, 2356093; 626521, 2356196; 626521, 2356197; 626450, 2356847; 626599, 2356831; 626914, 2356839; 627171, 2356897; 627303, 2356956; 627519, 2357004; 627545, 2357180; 627996, 2357095; 628115, 2357076; 628205, 2357073; 628202, 2357063; 628341, 2357040; 628623, 2356927; 628796, 2356927; 629324, 2356786; 629687, 2356713; 629991, 2356676; 630266, 2356636; 630266, 2356629; 630905, 2356614; 631414, 2356592; 631733, 2356599; 631785, 2356317; 631898, 2355976; 631979,

2355672; 631786, 2355624; 631477, 2355638; 631352, 2355671; 631183, 2355675; 630849, 2355682; 630596, 2355679; 630365, 2355668; 630259, 2355709; 630259, 2355704; 629683, 2355793; 629380, 2355827; 629412, 2356050; 629470, 2356546; 629349, 2356595; 629262, 2356488; 629132, 2356446; 629144, 2356746; 629042, 2356789; 628826, 2356538; 628817, 2356371; 628855, 2356304; 628771, 2355955; return to starting point.

(ii) Note: Map 296 follows:



(297) Oahu 35—*Lobelia oahuensis*—b
(151 ha; 373 ac)

(i) Unit consists of the following 140 boundary points: Start at 632026, 2358647; 632130, 2358731; 632266, 2358741; 632334, 2358725; 632340, 2358600; 632313, 2358547; 632193, 2358537; 631869, 2358401; 631670, 2358364; 631382, 2358364; 631225, 2358417; 630942, 2358443; 630644, 2358485; 630309, 2358568; 630157, 2358621; 629922, 2358689; 629644, 2358804; 629414, 2358882; 629294, 2358919; 629105, 2359045; 628875, 2359217; 628671, 2359301; 628498, 2359322; 628211, 2359343; 628211, 2359338; 628130, 2359359; 627971,

2359359; 627800, 2359353; 627739, 2359353; 627541, 2359413; 627345, 2359461; 627279, 2359509; 627240, 2359564; 627120, 2359633; 627042, 2359681; 626985, 2359765; 626894, 2359771; 626654, 2359774; 626368, 2359843; 626188, 2359951; 625986, 2360138; 625854, 2360255; 625791, 2360325; 625791, 2360324; 625782, 2360335; 625770, 2360348; 625770, 2360349; 625743, 2360381; 625674, 2360463; 625620, 2360580; 625604, 2360637; 625601, 2360766; 625589, 2360905; 625550, 2361094; 625550, 2361199; 625544, 2361295; 625517, 2361365; 625511, 2361434; 625535, 2361527; 625535, 2361575; 625529,

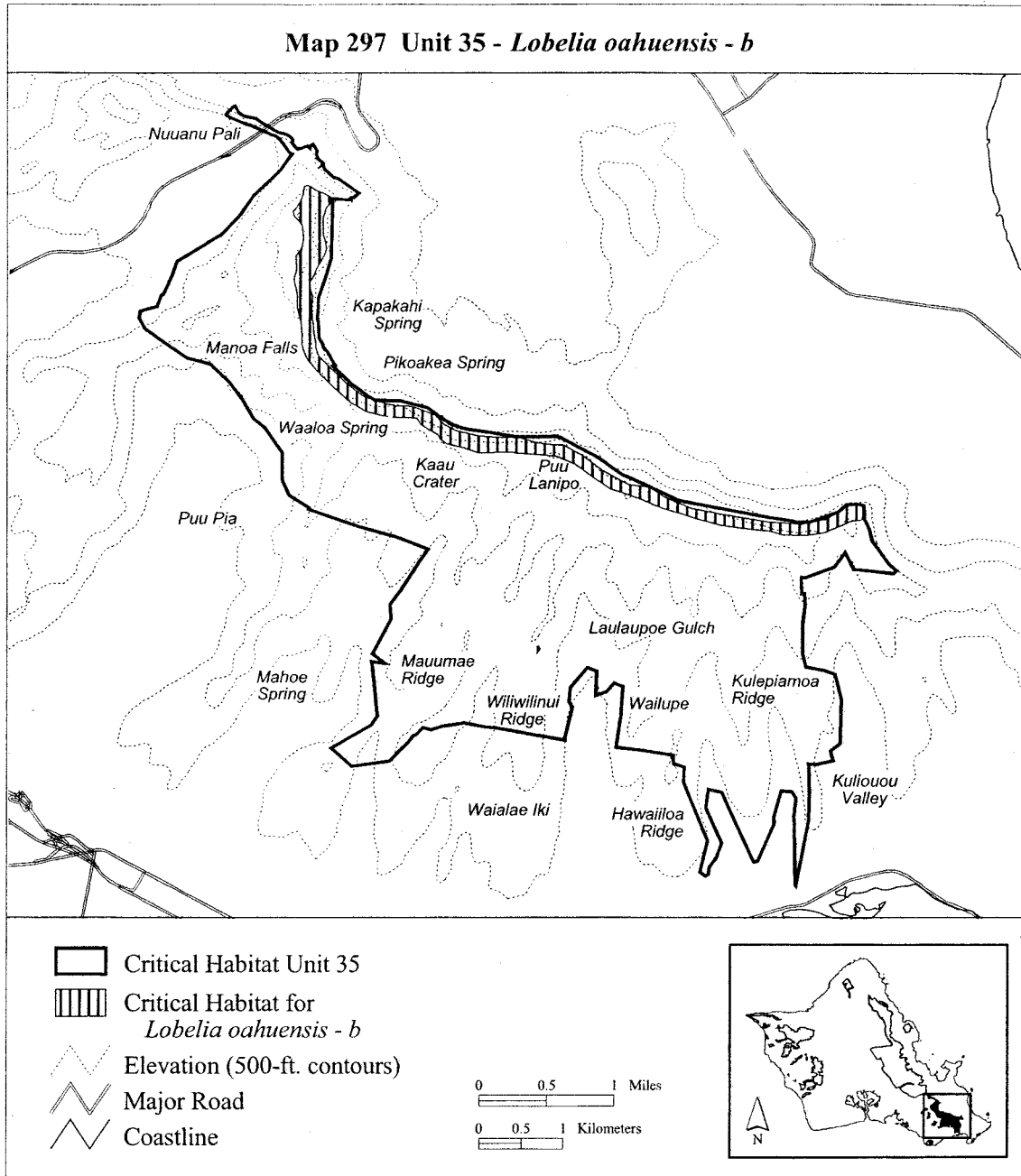
2361692; 625598, 2361783; 625617, 2361903; 625605, 2362059; 625604, 2362059; 625556, 2362125; 625505, 2362177; 625493, 2362228; 625532, 2362258; 625562, 2362309; 625607, 2362414; 625623, 2362519; 625662, 2362540; 625689, 2362525; 625755, 2362489; 625848, 2362450; 625929, 2362408; 625956, 2362378; 625935, 2362312; 625887, 2362264; 625875, 2362219; 625857, 2362161; 625854, 2362080; 625851, 2362080; 625857, 2361951; 625881, 2361867; 625896, 2361774; 625869, 2361698; 625830, 2361629; 625773, 2361539; 625737, 2361449; 625698, 2361392; 625701, 2361298; 625731, 2361220; 625728,

2361151; 625719, 2361061; 625722,
2361004; 625722, 2360947; 625737,
2360896; 625749, 2360781; 625764,
2360664; 625764, 2360607; 625788,
2360550; 625815, 2360502; 625815,
2360499; 625875, 2360436; 626007,
2360306; 626104, 2360210; 626209,
2360129; 626338, 2360033; 626437,
2359991; 626636, 2359930; 626708,

2359918; 626744, 2359906; 626786,
2359912; 626867, 2359912; 626973,
2359891; 627201, 2359801; 627324,
2359681; 627466, 2359615; 627721,
2359552; 628004, 2359530; 628189,
2359539; 628189, 2359542; 628191,
2359541; 628409, 2359474; 628618,
2359442; 628734, 2359448; 628922,
2359343; 629000, 2359296; 629210,

2359134; 629398, 2359034; 629534,
2358966; 629754, 2358945; 629932,
2358830; 630262, 2358684; 630670,
2358610; 631214, 2358526; 631607,
2358500; 631900, 2358563; return to
starting point.

(ii) Note: Map 297 follows:



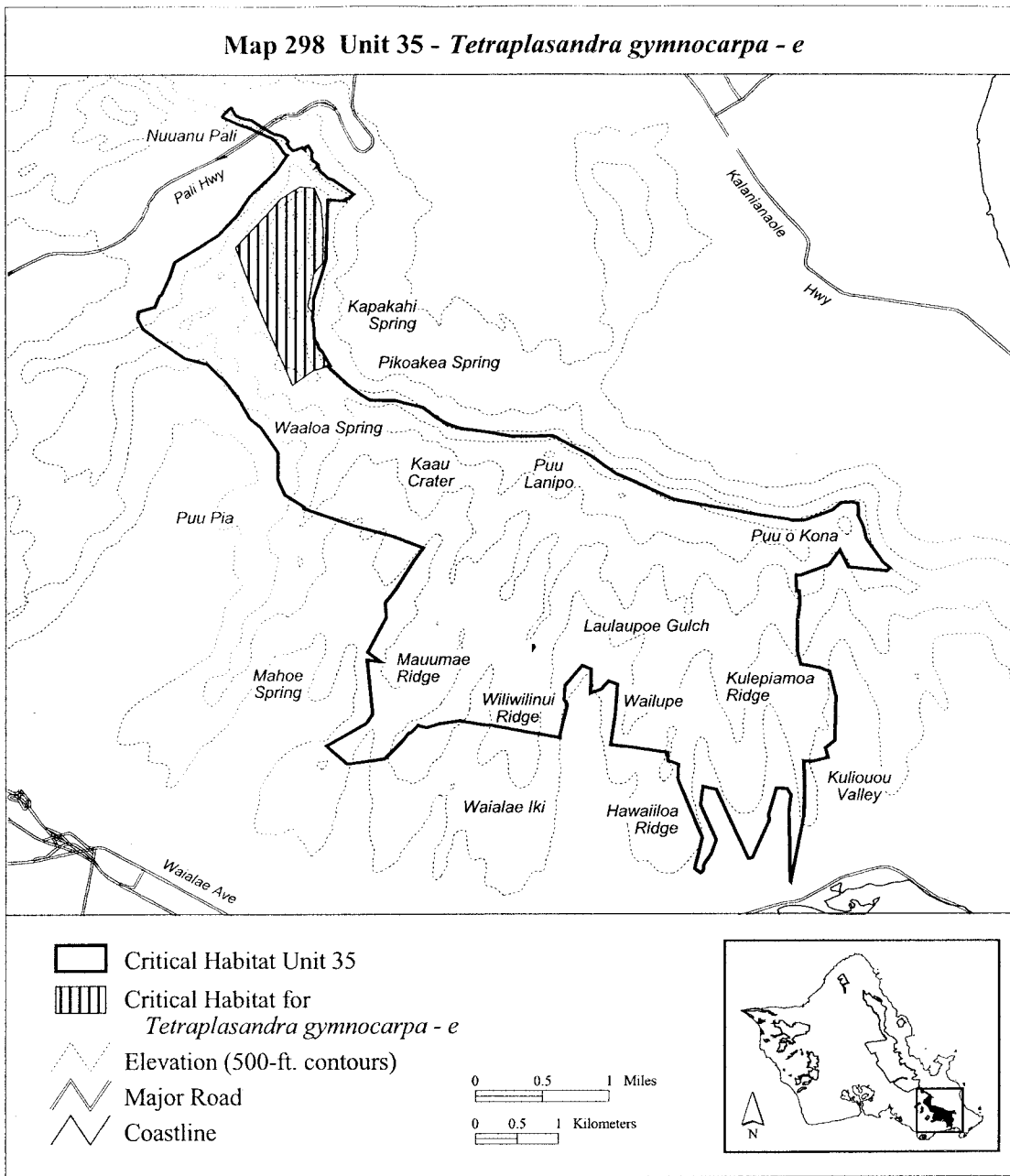
(298) Oahu 35—*Tetraplasandra gymnocarpa*—e (152 ha; 376 ac)

(i) Unit consists of the following 26 boundary points: Start at 625799, 2360900; 625804, 2360726; 625853,

2360646; 625861, 2360607; 625862,
2360607; 625910, 2360553; 626000,
2360395; 625793, 2360330; 625546,
2360155; 625079, 2361221; 625083,
2361221; 624866, 2361796; 624857,
2361800; 624927, 2361880; 625243,

2362209; 625408, 2362394; 625639,
2362532; 625810, 2362519; 625889,
2362334; 625916, 2361992; 625909,
2361622; 625797, 2361484; 625731,
2361115;

(ii) Note: Map 298 follows:



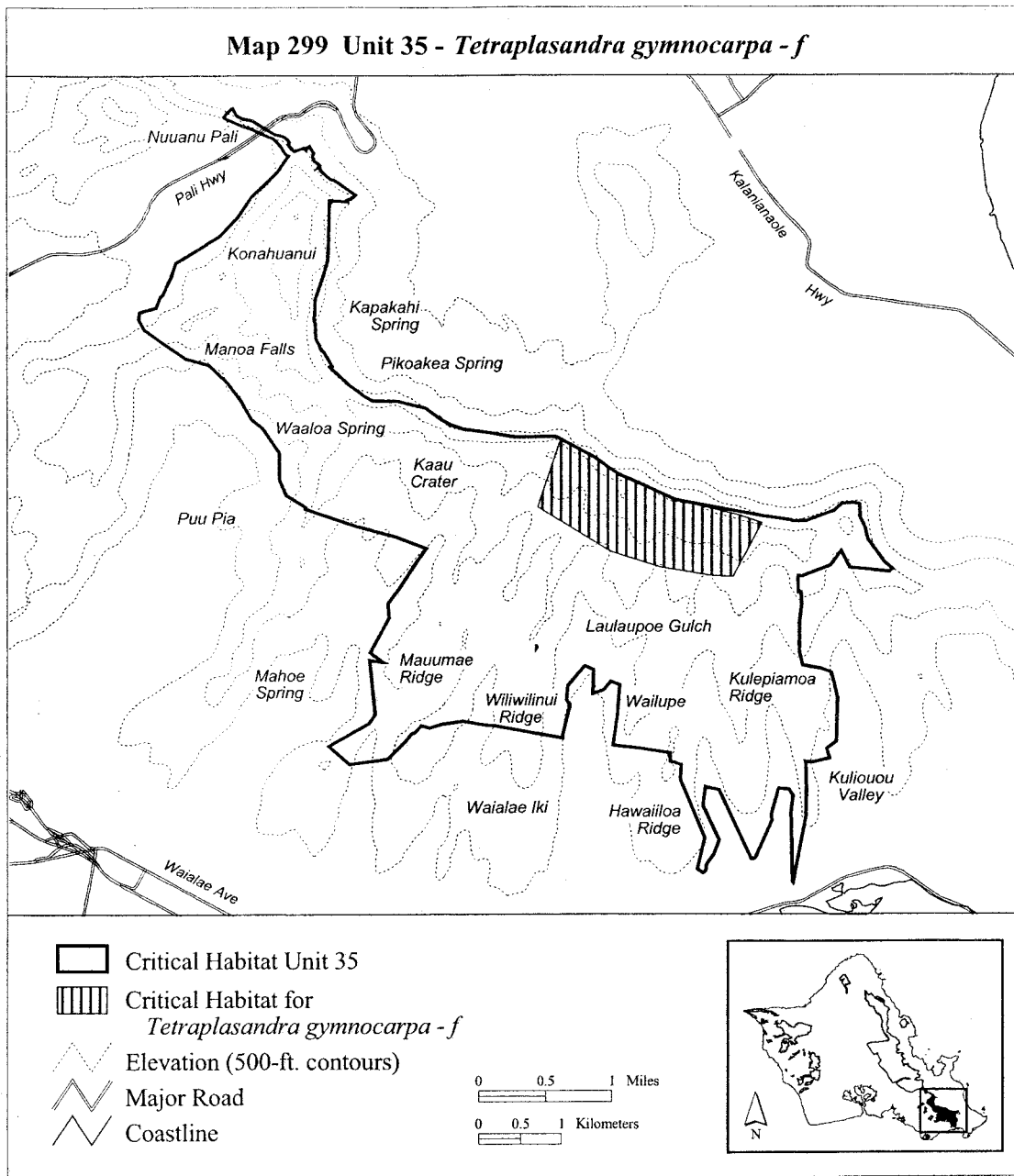
(299) Oahu 35—*Tetraplasandra gymnocarpa*—f (214 ha; 528 ac)

(i) Unit consists of the following 12 boundary points: Start at 628462,

2358693; 628739, 2359501; 629145, 2359298; 629149, 2359295; 629426, 2359091; 630077, 2358784; 630872, 2358597; 631161, 2358501; 630812,

2357850; 630522, 2357874; 629956, 2357970; 629330, 2358163; return to starting point.

(ii) **Note:** Map 299 follows:



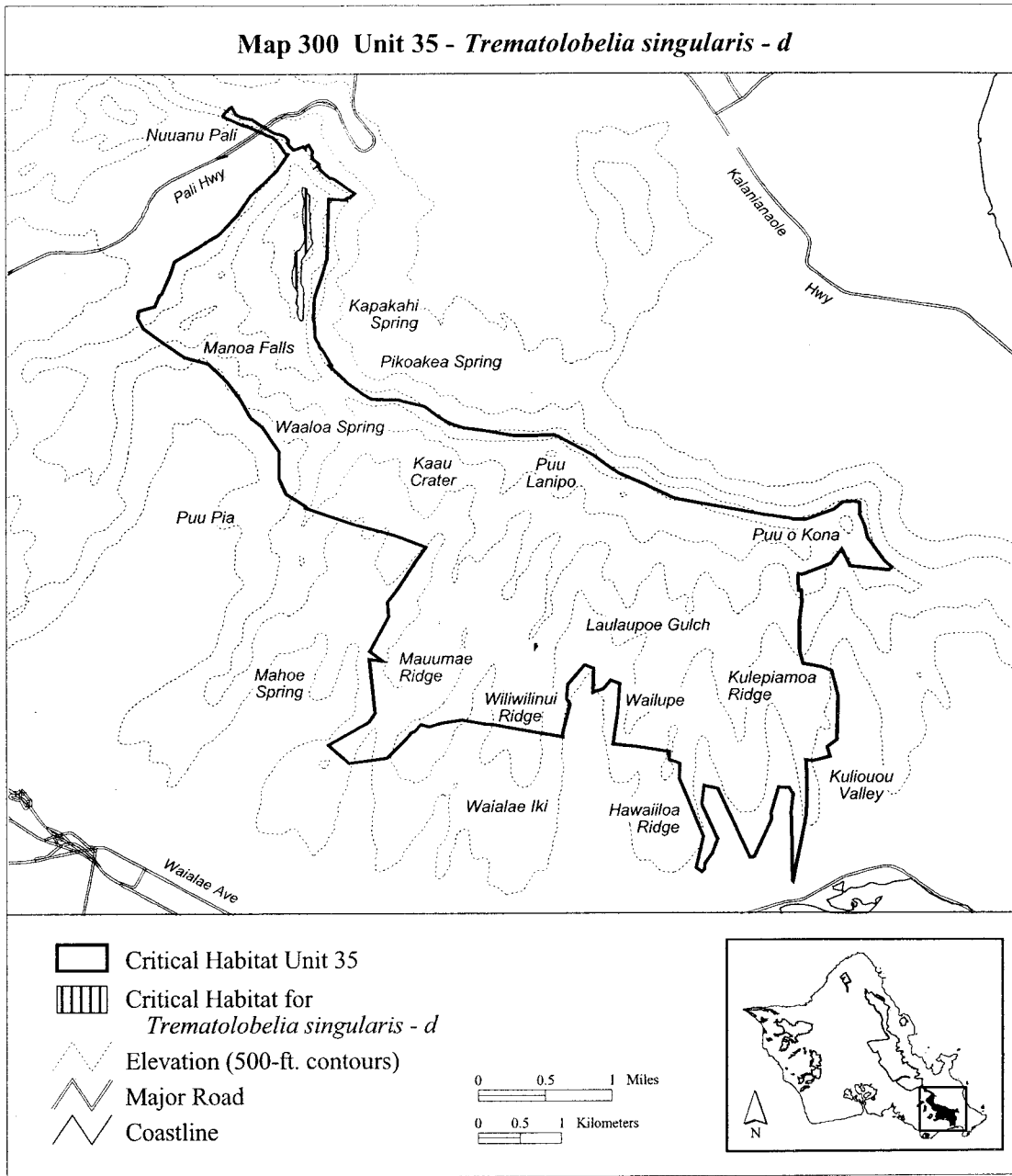
(300) Oahu 35—*Trematolobelia singularis*—d (14 ha; 33 ac)

(i) Unit consists of the following 52 boundary points: Start at 625675, 2362515; 625712, 2362499; 625712, 2362459; 625743, 2362418; 625743, 2362337; 625737, 2362257; 625750, 2362185; 625743, 2362126; 625759, 2362005; 625759, 2361924; 625778, 2361843; 625725, 2361759; 625690,

2361713; 625647, 2361644; 625641, 2361545; 625635, 2361458; 625635, 2361377; 625663, 2361327; 625669, 2361253; 625666, 2361153; 625672, 2361088; 625666, 2361057; 625666, 2360991; 625664, 2360972; 625659, 2360932; 625628, 2360932; 625600, 2360973; 625588, 2361019; 625603, 2361094; 625582, 2361122; 625579, 2361141; 625591, 2361212; 625597, 2361268; 625575, 2361299; 625544,

2361358; 625529, 2361427; 625526, 2361504; 625551, 2361554; 625566, 2361607; 625566, 2361682; 625569, 2361731; 625579, 2361747; 625625, 2361775; 625669, 2361849; 625684, 2361927; 625678, 2362005; 625663, 2362079; 625659, 2362157; 625659, 2362238; 625681, 2362341; 625653, 2362459; 625656, 2362521; return to starting point.

(ii) **Note:** Map 300 follows:



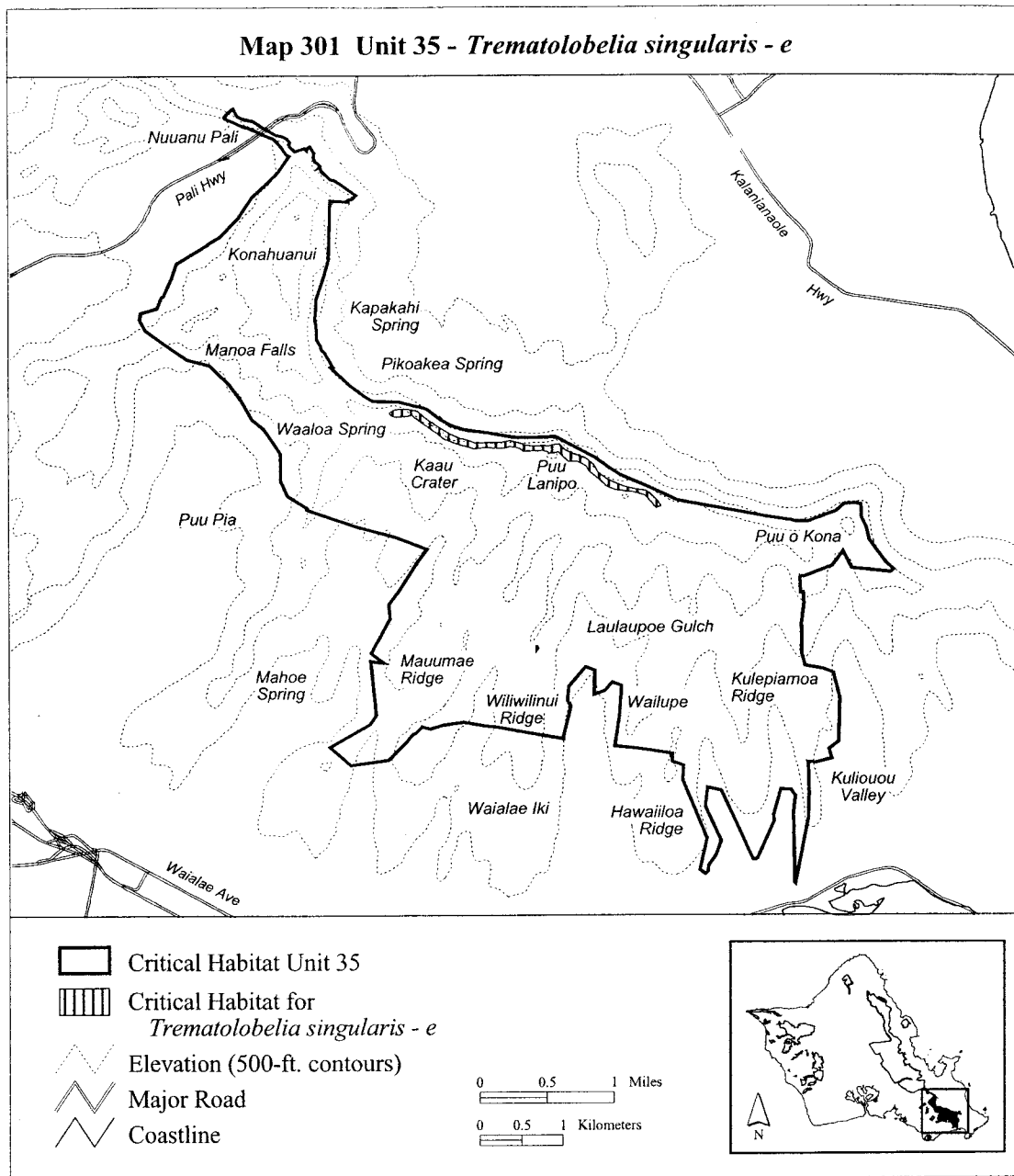
(301) Oahu 35—*Trematolobelia singularis*—e (14 ha; 33 ac)

(i) Unit consists of the following 52 boundary points: Start at 625675, 2362515; 625712, 2362499; 625712, 2362459; 625743, 2362418; 625743, 2362337; 625737, 2362257; 625750, 2362185; 625743, 2362126; 625759, 2362005; 625759, 2361924; 625778, 2361843; 625725, 2361759; 625690,

2361713; 625647, 2361644; 625641, 2361545; 625635, 2361458; 625635, 2361377; 625663, 2361327; 625669, 2361253; 625666, 2361153; 625672, 2361088; 625666, 2361057; 625666, 2360991; 625664, 2360972; 625659, 2360932; 625628, 2360932; 625600, 2360973; 625588, 2361019; 625603, 2361094; 625582, 2361122; 625579, 2361141; 625591, 2361212; 625597, 2361268; 625575, 2361299; 625544,

2361358; 625529, 2361427; 625526, 2361504; 625551, 2361554; 625566, 2361607; 625566, 2361682; 625569, 2361731; 625579, 2361747; 625625, 2361775; 625669, 2361849; 625684, 2361927; 625678, 2362005; 625663, 2362079; 625659, 2362157; 625659, 2362238; 625681, 2362341; 625653, 2362459; 625656, 2362521; return to starting point.

(ii) Note: Map 301 follows:



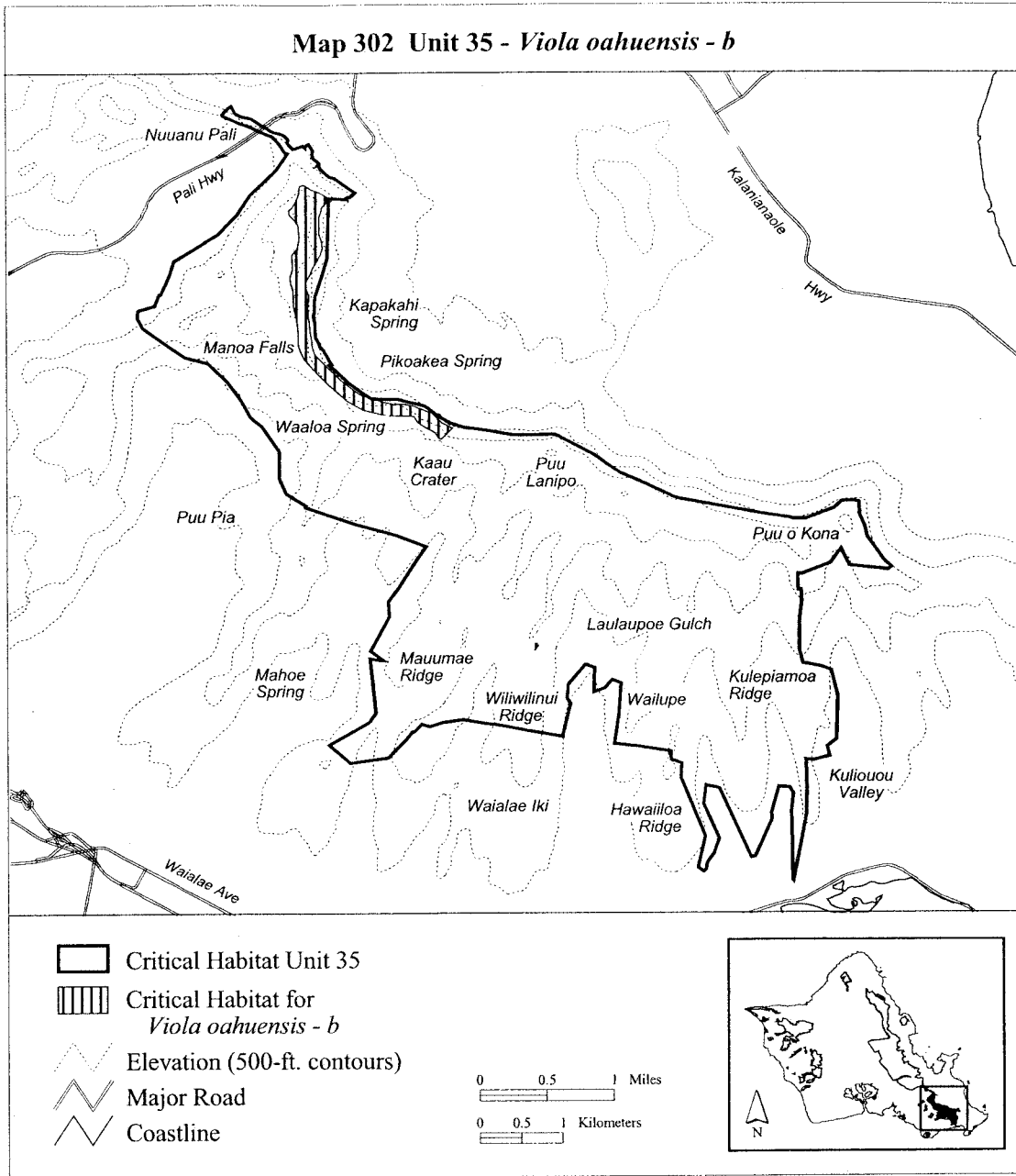
(302) Oahu 35—*Viola oahuensis*—b (75 ha; 186 ac)

(i) Unit consists of the following 90 boundary points: Start at 627315, 2359484; 627279, 2359509; 627240, 2359564; 627120, 2359633; 627042, 2359681; 626985, 2359765; 626894, 2359771; 626654, 2359774; 626368, 2359843; 626188, 2359951; 625986, 2360138; 625854, 2360255; 625791, 2360325; 625791, 2360324; 625782, 2360335; 625770, 2360348; 625770, 2360349; 625743, 2360381; 625674, 2360463; 625620, 2360580; 625604, 2360637; 625601, 2360766; 625589, 2360905; 625550, 2361094; 625550, 2361199; 625544, 2361295; 625517,

2361365; 625511, 2361434; 625535, 2361527; 625535, 2361575; 625529, 2361692; 625598, 2361783; 625617, 2361903; 625605, 2362059; 625604, 2362059; 625556, 2362125; 625505, 2362177; 625493, 2362228; 625532, 2362258; 625562, 2362309; 625607, 2362414; 625623, 2362519; 625662, 2362540; 625689, 2362525; 625755, 2362489; 625848, 2362450; 625929, 2362408; 625956, 2362378; 625935, 2362312; 625887, 2362264; 625875, 2362219; 625857, 2362161; 625854, 2362080; 625851, 2362080; 625857, 2361951; 625881, 2361867; 625896, 2361774; 625869, 2361698; 625830, 2361629; 625773, 2361539; 625737,

2361449; 625698, 2361392; 625701, 2361298; 625731, 2361220; 625728, 2361151; 625719, 2361061; 625722, 2361004; 625722, 2360947; 625737, 2360896; 625749, 2360781; 625764, 2360664; 625764, 2360607; 625788, 2360550; 625815, 2360502; 625815, 2360499; 625875, 2360436; 626007, 2360306; 626104, 2360210; 626209, 2360129; 626338, 2360033; 626437, 2359991; 626636, 2359930; 626708, 2359918; 626744, 2359906; 626786, 2359912; 626867, 2359912; 626973, 2359891; 627201, 2359801; 627324, 2359681; 627454, 2359620; return to starting point.

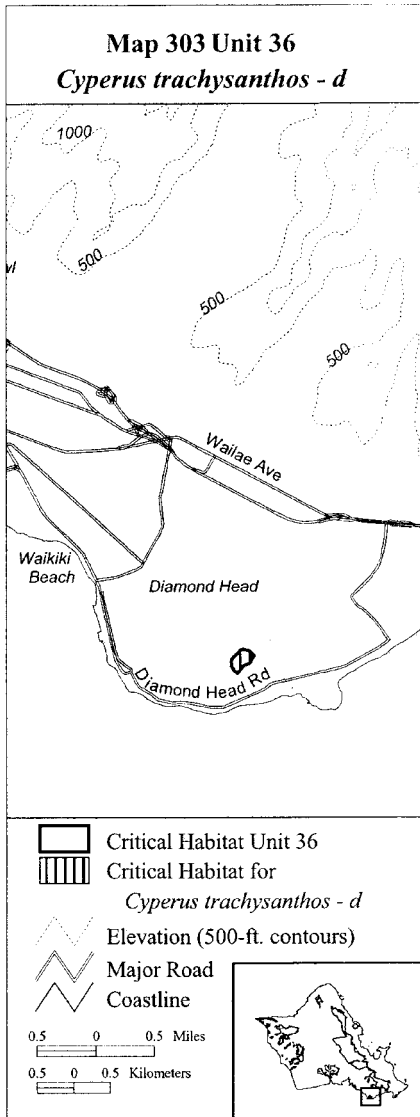
(ii) **Note:** Map 302 follows:



(303) Oahu 36—*Cyperus trachysanthos*—d (5 ha; 13 ac)

(i) Unit consists of the following 12 boundary points: Start at 624088, 2351393; 624025, 2351406; 623980, 2351471; 623984, 2351554; 624095, 2351675; 624119, 2351675; 624179, 2351675; 624234, 2351635; 624272, 2351572; 624224, 2351497; 624161, 2351479; 624161, 2351478; return to starting point.

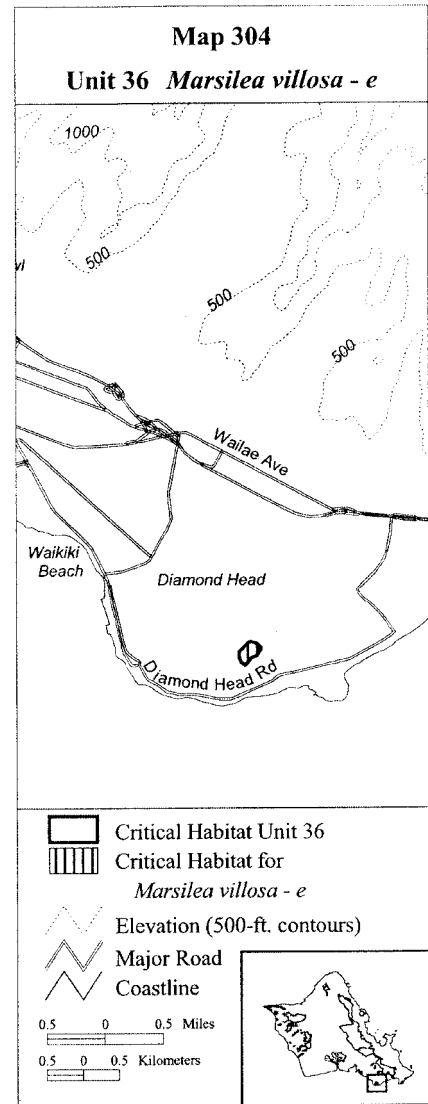
(ii) Note: Map 303 follows:



(304) Oahu 36—*Marsilea villosa*—e (6 ha; 14 ac)

(i) Unit consists of the following 13 boundary points: Start at 624140, 2351695; 624165, 2351693; 624226, 2351679; 624288, 2351612; 624292, 2351603; 624224, 2351497; 624161, 2351479; 624161, 2351478; 624071, 2351374; 624013, 2351406; 624000, 2351487; 624000, 2351571; 624112, 2351693; return to starting point.

(ii) Note: Map 304 follows:



BILLING CODE 4310-55-C

(305) TABLE OF PROTECTED SPECIES WITHIN EACH CRITICAL HABITAT UNIT FOR OAHU

Unit name	Species occupied	Species unoccupied	
Oahu 4— <i>Abutilon sandwicense</i> —a	<i>Abutilon sandwicense</i> .		
Oahu 4— <i>Abutilon sandwicense</i> —b	<i>Abutilon sandwicense</i> .		
Oahu 4— <i>Abutilon sandwicense</i> —c	<i>Abutilon sandwicense</i> .		
Oahu 15— <i>Abutilon sandwicense</i> —d	<i>Abutilon sandwicense</i> .		
Oahu 15— <i>Abutilon sandwicense</i> —e	<i>Abutilon sandwicense</i> .		
Oahu 17— <i>Abutilon sandwicense</i> —f	<i>Abutilon sandwicense</i> .		
Oahu 20— <i>Adenophorus periens</i> —a .....	.....	
Oahu 4— <i>Alectryon macrococcus</i> —a	<i>Alectryon macrococcus</i> .		
			<i>Adenophorus periens</i> .

(305) TABLE OF PROTECTED SPECIES WITHIN EACH CRITICAL HABITAT UNIT FOR OAHU—Continued

Unit name	Species occupied	Species unoccupied
Oahu 15— <i>Alectryon macrococcus</i> —b	<i>Alectryon macrococcus</i> .	
Oahu 4— <i>Alsinidendron obovatum</i> —a	<i>Alsinidendron obovatum</i> .	
Oahu 4— <i>Alsinidendron obovatum</i> —b	<i>Alsinidendron obovatum</i>	<i>Alsinidendron obovatum</i> .
Oahu 15— <i>Alsinidendron obovatum</i> —c .....	.....	<i>Alsinidendron obovatum</i> .
Oahu 4— <i>Alsinidendron trinerve</i> —a	<i>Alsinidendron trinerve</i> .	
Oahu 2— <i>Bonamia menziesii</i> —a	<i>Bonamia menziesii</i> .	
Oahu 3— <i>Bonamia menziesii</i> —b	<i>Bonamia menziesii</i> .	
Oahu 4— <i>Bonamia menziesii</i> —c	<i>Bonamia menziesii</i> .	
Oahu 17— <i>Bonamia menziesii</i> —d	<i>Bonamia menziesii</i> .	
Oahu 35— <i>Bonamia menziesii</i> —e	<i>Bonamia menziesii</i> .	
Oahu 4— <i>Cenchrus agrimonioides</i> —a	<i>Cenchrus agrimonioides</i> .	
Oahu 4— <i>Cenchrus agrimonioides</i> —b	<i>Cenchrus agrimonioides</i> .	
Oahu 15— <i>Cenchrus agrimonioides</i> —c	<i>Cenchrus agrimonioides</i> .	
Oahu 15— <i>Cenchrus agrimonioides</i> —d	<i>Cenchrus agrimonioides</i> .	
Oahu 1— <i>Centaurium sebaeoides</i> —a .....	.....	<i>Centaurium sebaeoides</i> .
Oahu 27— <i>Centaurium sebaeoides</i> —b .....	.....	<i>Centaurium sebaeoides</i> .
Oahu 1— <i>Chamaesyce celastroides</i> var. <i>kaenana</i> —a	<i>Chamaesyce celastroides</i> var. <i>kaenana</i> .	
Oahu 3— <i>Chamaesyce celastroides</i> var. <i>kaenana</i> —b	<i>Chamaesyce celastroides</i> var. <i>kaenana</i> ..	
Oahu 4— <i>Chamaesyce celastroides</i> var. <i>kaenana</i> —c .....	.....	<i>Chamaesyce celastroides</i> var. <i>kaenana</i> .
Oahu 5— <i>Chamaesyce celastroides</i> var. <i>kaenana</i> —d	<i>Chamaesyce celastroides</i> var. <i>kaenana</i> .	
Oahu 35— <i>Chamaesyce celastroides</i> var. <i>kaenana</i> —e .....	.....	<i>Chamaesyce celastroides</i> var. <i>kaenana</i> .
Oahu 20— <i>Chamaesyce deppeana</i> —a .....	.....	<i>Chamaesyce deppeana</i> .
Oahu 35— <i>Chamaesyce deppeana</i> —b	<i>Chamaesyce deppeana</i> .	
Oahu 4— <i>Chamaesyce herbstii</i> —a	<i>Chamaesyce herbstii</i> .	
Oahu 15— <i>Chamaesyce herbstii</i> —b .....	.....	<i>Chamaesyce herbstii</i> .
Oahu 15— <i>Chamaesyce herbstii</i> —c	<i>Chamaesyce herbstii</i> .	
Oahu 9— <i>Chamaesyce kuwaleana</i> —a	<i>Chamaesyce kuwaleana</i> .	
Oahu 11— <i>Chamaesyce kuwaleana</i> —b	<i>Chamaesyce kuwaleana</i> .	
Oahu 12— <i>Chamaesyce kuwaleana</i> —c	<i>Chamaesyce kuwaleana</i> .	
Oahu 15— <i>Chamaesyce kuwaleana</i> —d .....	.....	<i>Chamaesyce kuwaleana</i> .
Oahu 22— <i>Chamaesyce kuwaleana</i> —e .....	.....	<i>Chamaesyce kuwaleana</i> .
Oahu 23— <i>Chamaesyce kuwaleana</i> —f .....	.....	<i>Chamaesyce kuwaleana</i> .
Oahu 26— <i>Chamaesyce kuwaleana</i> —g .....	.....	<i>Chamaesyce kuwaleana</i> .
Oahu 20— <i>Chamaesyce rockii</i> —a	<i>Chamaesyce rockii</i> .	
Oahu 20— <i>Chamaesyce rockii</i> —b .....	.....	<i>Chamaesyce rockii</i> .
Oahu 20— <i>Chamaesyce rockii</i> —c	<i>Chamaesyce rockii</i> .	
Oahu 4— <i>Colubrina oppositifolia</i> —a	<i>Colubrina oppositifolia</i> .	
Oahu 4— <i>Ctenitis squamigera</i> —a	<i>Ctenitis squamigera</i> .	
Oahu 4— <i>Cyanea acuminata</i> —a	<i>Cyanea acuminata</i> .	
Oahu 20— <i>Cyanea acuminata</i> —b	<i>Cyanea acuminata</i> .	
Oahu 20— <i>Cyanea crispa</i> —a	<i>Cyanea crispa</i> .	
Oahu 20— <i>Cyanea crispa</i> —b .....	.....	<i>Cyanea crispa</i> .
Oahu 21— <i>Cyanea crispa</i> —c	<i>Cyanea crispa</i> .	
Oahu 35— <i>Cyanea crispa</i> —d	<i>Cyanea crispa</i> .	
Oahu 20— <i>Cyanea grimesiana</i> ssp. <i>grimesiana</i> —a .....	.....	<i>Cyanea grimesiana</i> ssp. <i>grimesiana</i> .
Oahu 35— <i>Cyanea grimesiana</i> ssp. <i>grimesiana</i> —b	<i>Cyanea grimesiana</i> ssp. <i>grimesiana</i> .	
Oahu 4— <i>Cyanea grimesiana</i> ssp. <i>obatae</i> —a	<i>Cyanea grimesiana</i> ssp. <i>obatae</i> .	
Oahu 15— <i>Cyanea grimesiana</i> ssp. <i>obatae</i> —b	<i>Cyanea grimesiana</i> ssp. <i>obatae</i> .	
Oahu 15— <i>Cyanea grimesiana</i> ssp. <i>obatae</i> —c	<i>Cyanea grimesiana</i> ssp. <i>obatae</i> .	
Oahu 15— <i>Cyanea grimesiana</i> ssp. <i>obatae</i> —d	<i>Cyanea grimesiana</i> ssp. <i>obatae</i> .	
Oahu 20— <i>Cyanea humboltiana</i> —a	<i>Cyanea humboltiana</i> .	
Oahu 20— <i>Cyanea humboltiana</i> —b .....	.....	<i>Cyanea humboltiana</i> .
Oahu 20— <i>Cyanea humboltiana</i> —c .....	.....	<i>Cyanea humboltiana</i> .
Oahu 20— <i>Cyanea humboltiana</i> —d	<i>Cyanea humboltiana</i> .	
Oahu 35— <i>Cyanea humboltiana</i> —e	<i>Cyanea humboltiana</i> .	
Oahu 20— <i>Cyanea koolauensis</i> —a	<i>Cyanea koolauensis</i> .	
Oahu 20— <i>Cyanea koolauensis</i> —b	<i>Cyanea koolauensis</i> .	
Oahu 35— <i>Cyanea koolauensis</i> —c	<i>Cyanea koolauensis</i> .	
Oahu 35— <i>Cyanea koolauensis</i> —d	<i>Cyanea koolauensis</i> .	
Oahu 4— <i>Cyanea longiflora</i> —a	<i>Cyanea longiflora</i> .	
Oahu 4— <i>Cyanea longiflora</i> —b	<i>Cyanea longiflora</i> .	
Oahu 19— <i>Cyanea longiflora</i> —c .....	.....	<i>Cyanea longiflora</i> .
Oahu 15— <i>Cyanea pinnatifida</i> —a .....	.....	<i>Cyanea pinnatifida</i> .
Oahu 15— <i>Cyanea pinnatifida</i> —b .....	.....	<i>Cyanea pinnatifida</i> .
Oahu 15— <i>Cyanea pinnatifida</i> —c .....	.....	<i>Cyanea pinnatifida</i> .
Oahu 20— <i>Cyanea st.-johnii</i> —a	<i>Cyanea st.-johnii</i> .	
Oahu 35— <i>Cyanea st.-johnii</i> —b	<i>Cyanea st.-johnii</i> .	
Oahu 4— <i>Cyanea superba</i> —a .....	.....	<i>Cyanea superba</i> .
Oahu 4— <i>Cyanea superba</i> —b .....	.....	<i>Cyanea superba</i> .
Oahu 4— <i>Cyanea superba</i> —c .....	.....	<i>Cyanea superba</i> .
Oahu 35— <i>Cyanea superba</i> —d .....	.....	<i>Cyanea superba</i> .

(305) TABLE OF PROTECTED SPECIES WITHIN EACH CRITICAL HABITAT UNIT FOR OAHU—Continued

Unit name	Species occupied	Species unoccupied
Oahu 20— <i>Cyanea truncata</i> —a	<i>Cyanea truncata</i> .	
Oahu 21— <i>Cyanea truncata</i> —b	<i>Cyanea truncata</i> .	
Oahu 1— <i>Cyperus trachysanthos</i> —a	<i>Cyperus trachysanthos</i> .	
Oahu 28— <i>Cyperus trachysanthos</i> —b		<i>Cyperus trachysanthos</i> .
Oahu 29— <i>Cyperus trachysanthos</i> —c		<i>Cyperus trachysanthos</i> .
Oahu 36— <i>Cyperus trachysanthos</i> —d	<i>Cyperus trachysanthos</i> .	
Oahu 4— <i>Cyrtandra dentata</i> —a	<i>Cyrtandra dentata</i> .	
Oahu 35— <i>Cyrtandra polyantha</i> —a	<i>Cyrtandra polyantha</i> .	
Oahu 20— <i>Cyrtandra subumbellata</i> —a	<i>Cyrtandra subumbellata</i> .	
Oahu 20— <i>Cyrtandra subumbellata</i> —b		<i>Cyrtandra subumbellata</i> .
Oahu 20— <i>Cyrtandra viridiflora</i> —a	<i>Cyrtandra viridiflora</i> .	
Oahu 4— <i>Delissea subcordata</i> —a	<i>Delissea subcordata</i> .	
Oahu 15— <i>Delissea subcordata</i> —b	<i>Delissea subcordata</i> .	
Oahu 15— <i>Delissea subcordata</i> —c	<i>Delissea subcordata</i> .	
Oahu 15— <i>Delissea subcordata</i> —d	<i>Delissea subcordata</i> .	
Oahu 35— <i>Delissea subcordata</i> —e		<i>Delissea subcordata</i> .
Oahu 35— <i>Delissea subcordata</i> —f		<i>Delissea subcordata</i> .
Oahu 35— <i>Diellia erecta</i> —a	<i>Diellia erecta</i> .	
Oahu 4— <i>Diellia falcata</i> —a		<i>Diellia falcata</i> .
Oahu 4— <i>Diellia falcata</i> —b	<i>Diellia falcata</i> .	
Oahu 15— <i>Diellia falcata</i> —c	<i>Diellia falcata</i> .	
Oahu 15— <i>Diellia falcata</i> —d	<i>Diellia falcata</i> .	
Oahu 15— <i>Diellia unisora</i> —a	<i>Diellia unisora</i> .	
Oahu 4— <i>Diplazium molokaiense</i> —a		<i>Diplazium molokaiense</i> .
Oahu 4— <i>Dubautia herbstobatae</i> —a		<i>Dubautia herbstobatae</i> .
Oahu 4— <i>Dubautia herbstobatae</i> —b		<i>Dubautia herbstobatae</i> .
Oahu 7— <i>Dubautia herbstobatae</i> —c		<i>Dubautia herbstobatae</i> .
Oahu 4— <i>Eragrostis fosbergii</i> —a	<i>Eragrostis fosbergii</i> .	
Oahu 4— <i>Eugenia koolauensis</i> —a	<i>Eugenia koolauensis</i> .	
Oahu 19— <i>Eugenia koolauensis</i> —b	<i>Eugenia koolauensis</i> .	
Oahu 20— <i>Eugenia koolauensis</i> —c	<i>Eugenia koolauensis</i> .	
Oahu 3— <i>Euphorbia haelealeana</i> —a	<i>Euphorbia haelealeana</i> .	
Oahu 4— <i>Euphorbia haelealeana</i> —b	<i>Euphorbia haelealeana</i> .	
Oahu 4— <i>Flueggea neowawraea</i> —a	<i>Flueggea neowawraea</i> .	
Oahu 15— <i>Gardenia mannii</i> —a	<i>Gardenia mannii</i> .	
Oahu 20— <i>Gardenia mannii</i> —b	<i>Gardenia mannii</i> .	
Oahu 20— <i>Gardenia mannii</i> —c		<i>Gardenia mannii</i> .
Oahu 4— <i>Gouania meyenii</i> —a	<i>Gouania meyenii</i> .	
Oahu 4— <i>Gouania meyenii</i> —b	<i>Gouania meyenii</i> .	
Oahu 15— <i>Gouania meyenii</i> —c		<i>Gouania meyenii</i> .
Oahu 31— <i>Gouania meyenii</i> —d		<i>Gouania meyenii</i> .
Oahu 2— <i>Gouania vitifolia</i> —a		<i>Gouania vitifolia</i> .
Oahu 3— <i>Gouania vitifolia</i> —b		<i>Gouania vitifolia</i> .
Oahu 5— <i>Gouania vitifolia</i> —c		<i>Gouania vitifolia</i> .
Oahu 4— <i>Gouania vitifolia</i> —d		<i>Gouania vitifolia</i> .
Oahu 4— <i>Gouania vitifolia</i> —e		<i>Gouania vitifolia</i> .
Oahu 4— <i>Gouania vitifolia</i> —f	<i>Gouania vitifolia</i> .	
Oahu 4— <i>Gouania vitifolia</i> —g		<i>Gouania vitifolia</i> .
Oahu 8— <i>Gouania vitifolia</i> —h	<i>Gouania vitifolia</i> .	
Oahu 15— <i>Hedyotis coriacea</i> —a		<i>Hedyotis coriacea</i> .
Oahu 35— <i>Hedyotis coriacea</i> —b		<i>Hedyotis coriacea</i> .
Oahu 4— <i>Hedyotis degeneri</i> —a	<i>Hedyotis degeneri</i> .	
Oahu 4— <i>Hedyotis degeneri</i> —b	<i>Hedyotis degeneri</i> .	
Oahu 4— <i>Hedyotis parvula</i> —a	<i>Hedyotis parvula</i> .	
Oahu 15— <i>Hedyotis parvula</i> —b		<i>Hedyotis parvula</i> .
Oahu 15— <i>Hedyotis parvula</i> —c		<i>Hedyotis parvula</i> .
Oahu 15— <i>Hedyotis parvula</i> —d	<i>Hedyotis parvula</i> .	
Oahu 4— <i>Hesperomannia arborescens</i> —a	<i>Hesperomannia arborescens</i> .	
Oahu 20— <i>Hesperomannia arborescens</i> —b	<i>Hesperomannia arborescens</i> .	
Oahu 4— <i>Hesperomannia arbuscula</i> —a	<i>Hesperomannia arbuscula</i> .	
Oahu 4— <i>Hesperomannia arbuscula</i> —b	<i>Hesperomannia arbuscula</i> .	
Oahu 15— <i>Hesperomannia arbuscula</i> —c		<i>Hesperomannia arbuscula</i> .
Oahu 15— <i>Hesperomannia arbuscula</i> —d		<i>Hesperomannia arbuscula</i> .
Oahu 15— <i>Hesperomannia arbuscula</i> —e	<i>Hesperomannia arbuscula</i> .	
Oahu 1— <i>Hibiscus brackenridgei</i> —a	<i>Hibiscus brackenridgei</i> .	
Oahu 4— <i>Hibiscus brackenridgei</i> —b	<i>Hibiscus brackenridgei</i> .	
Oahu 5— <i>Hibiscus brackenridgei</i> —c	<i>Hibiscus brackenridgei</i> .	
Oahu 4— <i>Isodendron laurifolium</i> —a	<i>Isodendron laurifolium</i> .	
Oahu 4— <i>Isodendron laurifolium</i> —b	<i>Isodendron laurifolium</i> .	
Oahu 35— <i>Isodendron laurifolium</i> —c		<i>Isodendron laurifolium</i> .
Oahu 4— <i>Isodendron longifolium</i> —a	<i>Isodendron longifolium</i> .	
Oahu 20— <i>Isodendron longifolium</i> —b		<i>Isodendron longifolium</i> .

(305) TABLE OF PROTECTED SPECIES WITHIN EACH CRITICAL HABITAT UNIT FOR OAHU—Continued

Unit name	Species occupied	Species unoccupied
Oahu 5— <i>Isodendron pyriformis</i> —a		<i>Isodendron pyriformis</i> .
Oahu 16— <i>Isodendron pyriformis</i> —b		<i>Isodendron pyriformis</i> .
Oahu 17— <i>Isodendron pyriformis</i> —c		<i>Isodendron pyriformis</i> .
Oahu 4— <i>Labordia cyrtandrae</i> —a	<i>Labordia cyrtandrae</i> .	
Oahu 20— <i>Labordia cyrtandrae</i> —b		<i>Labordia cyrtandrae</i> .
Oahu 20— <i>Labordia cyrtandrae</i> —c	<i>Labordia cyrtandrae</i> .	
Oahu 4— <i>Lepidium arbuscula</i> —a	<i>Lepidium arbuscula</i> .	
Oahu 15— <i>Lepidium arbuscula</i> —b	<i>Lepidium arbuscula</i> .	
Oahu 15— <i>Lepidium arbuscula</i> —c	<i>Lepidium arbuscula</i> .	
Oahu 4— <i>Lipochaeta lobata</i> var. <i>leptophylla</i> —a	<i>Lipochaeta lobata</i> var. <i>leptophylla</i> .	
Oahu 15— <i>Lipochaeta lobata</i> var. <i>leptophylla</i> —b	<i>Lipochaeta lobata</i> var. <i>leptophylla</i> .	
Oahu 4— <i>Lipochaeta tenuifolia</i> —a	<i>Lipochaeta tenuifolia</i> .	
Oahu 4— <i>Lipochaeta tenuifolia</i> —b	<i>Lipochaeta tenuifolia</i> .	
Oahu 4— <i>Lipochaeta tenuifolia</i> —c	<i>Lipochaeta tenuifolia</i> .	
Oahu 20— <i>Lobelia gaudichaudii</i> ssp. <i>koolauensis</i> —a	<i>Lobelia gaudichaudii</i> ssp. <i>koolauensis</i> .	
Oahu 30— <i>Lobelia monostachya</i> —a		<i>Lobelia monostachya</i> .
Oahu 22— <i>Lobelia monostachya</i> —b	<i>Lobelia monostachya</i> .	
Oahu 33— <i>Lobelia monostachya</i> —c		<i>Lobelia monostachya</i> .
Oahu 35— <i>Lobelia monostachya</i> —d		<i>Lobelia monostachya</i> .
Oahu 4— <i>Lobelia niihauensis</i> —a	<i>Lobelia niihauensis</i> .	
Oahu 17— <i>Lobelia niihauensis</i> —b	<i>Lobelia niihauensis</i> .	
Oahu 20— <i>Lobelia oahuensis</i> —a	<i>Lobelia oahuensis</i> .	
Oahu 35— <i>Lobelia oahuensis</i> —b	<i>Lobelia oahuensis</i> .	
Oahu 20— <i>Lysimachia filifolia</i> —a	<i>Lysimachia filifolia</i> .	
Oahu 4— <i>Mariscus pennatiformis</i> —a		<i>Mariscus pennatiformis</i> .
Oahu 4— <i>Mariscus pennatiformis</i> —b		<i>Mariscus1 pennatiformis</i> .
Oahu 13— <i>Marsilea villosa</i> —a	<i>Marsilea villosa</i> .	
Oahu 14— <i>Marsilea villosa</i> —b	<i>Marsilea villosa</i> .	
Oahu 28— <i>Marsilea villosa</i> —c	<i>Marsilea villosa</i> .	
Oahu 29— <i>Marsilea villosa</i> —d		<i>Marsilea villosa</i> .
Oahu 36— <i>Marsilea villosa</i> —e		<i>Marsilea villosa</i> .
Oahu 20— <i>Melicope lydgatei</i> —a	<i>Melicope lydgatei</i> .	
Oahu 4— <i>Melicope pallida</i> —a		<i>Melicope pallida</i> .
Oahu 15— <i>Melicope pallida</i> —b		<i>Melicope pallida</i> .
Oahu 15— <i>Melicope pallida</i> —c		<i>Melicope pallida</i> .
Oahu 15— <i>Melicope pallida</i> —d		<i>Melicope pallida</i> .
Oahu 15— <i>Melicope pallida</i> —e	<i>Melicope pallida</i> .	
Oahu 15— <i>Melicope saint-johnii</i> —a	<i>Melicope saint-johnii</i> .	
Oahu 15— <i>Melicope saint-johnii</i> —b	<i>Melicope saint-johnii</i> .	
Oahu 20— <i>Myrsine juddii</i> —a	<i>Myrsine juddii</i> .	
Oahu 3— <i>Neraudia angulata</i> —a	<i>Neraudia angulata</i> .	
Oahu 4— <i>Neraudia angulata</i> —b	<i>Neraudia angulata</i> .	
Oahu 4— <i>Neraudia angulata</i> —c		<i>Neraudia angulata</i> .
Oahu 4— <i>Neraudia angulata</i> —d	<i>Neraudia angulata</i> .	
Oahu 4— <i>Neraudia angulata</i> —e	<i>Neraudia angulata</i> .	
Oahu 15— <i>Neraudia angulata</i> —f	<i>Neraudia angulata</i> .	
Oahu 3— <i>Nototrichium humile</i> —a	<i>Nototrichium humile</i> .	
Oahu 4— <i>Nototrichium humile</i> —b	<i>Nototrichium humile</i> .	
Oahu 4— <i>Nototrichium humile</i> —c	<i>Nototrichium humile</i> .	
Oahu 4— <i>Nototrichium humile</i> —d	<i>Nototrichium humile</i> .	
Oahu 4— <i>Peucedanum sandwicense</i> —a	<i>Peucedanum sandwicense</i> .	
Oahu 20— <i>Phlegmariurus nutans</i> —a	<i>Phlegmariurus nutans</i> .	
Oahu 4— <i>Phyllostegia hirsuta</i> —a	<i>Phyllostegia hirsuta</i> .	
Oahu 15— <i>Phyllostegia hirsuta</i> —b	<i>Phyllostegia hirsuta</i> .	
Oahu 15— <i>Phyllostegia hirsuta</i> —c	<i>Phyllostegia hirsuta</i> .	
Oahu 20— <i>Phyllostegia hirsuta</i> —d	<i>Phyllostegia hirsuta</i> .	
Oahu 4— <i>Phyllostegia kaalaensis</i> —a	<i>Phyllostegia kaalaensis</i> .	
Oahu 4— <i>Phyllostegia kaalaensis</i> —b	<i>Phyllostegia kaalaensis</i> .	
Oahu 4— <i>Phyllostegia kaalaensis</i> —c	<i>Phyllostegia kaalaensis</i> .	
Oahu 4— <i>Phyllostegia kaalaensis</i> —d		<i>Phyllostegia kaalaensis</i> .
Oahu 4— <i>Phyllostegia kaalaensis</i> —e	<i>Phyllostegia kaalaensis</i> .	
Oahu 15— <i>Phyllostegia kaalaensis</i> —f	<i>Phyllostegia kaalaensis</i> .	
Oahu 15— <i>Phyllostegia mollis</i> —a	<i>Phyllostegia mollis</i> .	
Oahu 15— <i>Phyllostegia mollis</i> —b	<i>Phyllostegia mollis</i> .	
Oahu 15— <i>Phyllostegia parviflora</i> —a		<i>Phyllostegia parviflora</i> .
Oahu 15— <i>Phyllostegia parviflora</i> —b	<i>Phyllostegia parviflora</i> .	
Oahu 15— <i>Phyllostegia parviflora</i> —c	<i>Phyllostegia parviflora</i> .	
Oahu 20— <i>Phyllostegia parviflora</i> —d	<i>Phyllostegia parviflora</i> .	
Oahu 4— <i>Plantago princeps</i> —a	<i>Plantago princeps</i> .	
Oahu 4— <i>Plantago princeps</i> —b		<i>Plantago princeps</i> .
Oahu 15— <i>Plantago princeps</i> —c	<i>Plantago princeps</i> .	
Oahu 20— <i>Plantago princeps</i> —d	<i>Plantago princeps</i> .	

(305) TABLE OF PROTECTED SPECIES WITHIN EACH CRITICAL HABITAT UNIT FOR OAHU—Continued

Unit name	Species occupied	Species unoccupied
Oahu 20— <i>Plantago princeps</i> —e		<i>Plantago princeps</i> .
Oahu 20— <i>Platanthera holochila</i> —a		<i>Platanthera holochila</i> .
Oahu 20— <i>Platanthera holochila</i> —b		<i>Platanthera holochila</i> .
Oahu 20— <i>Pteris lidgatei</i> —a	<i>Pteris lidgatei</i> .	
Oahu 20— <i>Pteris lidgatei</i> —b	<i>Pteris lidgatei</i> .	
Oahu 20— <i>Pteris lidgatei</i> —c	<i>Pteris lidgatei</i> .	
Oahu 4— <i>Sanicula mariversa</i> —a		<i>Sanicula mariversa</i> .
Oahu 4— <i>Sanicula mariversa</i> —b		<i>Sanicula mariversa</i> .
Oahu 4— <i>Sanicula mariversa</i> —c	<i>Sanicula mariversa</i> .	
Oahu 6— <i>Sanicula mariversa</i> —d	<i>Sanicula mariversa</i> .	
Oahu 15— <i>Sanicula mariversa</i> —e		<i>Sanicula mariversa</i> .
Oahu 15— <i>Sanicula mariversa</i> —f		<i>Sanicula mariversa</i> .
Oahu 20— <i>Sanicula purpurea</i> —a	<i>Sanicula purpurea</i> .	
Oahu 3— <i>Schiedea hookeri</i> —a	<i>Schiedea hookeri</i> .	
Oahu 4— <i>Schiedea hookeri</i> —b	<i>Schiedea hookeri</i> .	
Oahu 4— <i>Schiedea hookeri</i> —c	<i>Schiedea hookeri</i> .	
Oahu 4— <i>Schiedea hookeri</i> —d	<i>Schiedea hookeri</i> .	
Oahu 15— <i>Schiedea hookeri</i> —e	<i>Schiedea hookeri</i> .	
Oahu 15— <i>Schiedea hookeri</i> —f	<i>Schiedea hookeri</i> .	
Oahu 15— <i>Schiedea hookeri</i> —g	<i>Schiedea hookeri</i> .	
Oahu 4— <i>Schiedea kaalae</i> —a	<i>Schiedea kaalae</i> .	
Oahu 15— <i>Schiedea kaalae</i> —b	<i>Schiedea kaalae</i> .	
Oahu 15— <i>Schiedea kaalae</i> —c	<i>Schiedea kaalae</i> .	
Oahu 15— <i>Schiedea kaalae</i> —d	<i>Schiedea kaalae</i> .	
Oahu 20— <i>Schiedea kaalae</i> —e	<i>Schiedea kaalae</i> .	
Oahu 21— <i>Schiedea kaalae</i> —f	<i>Schiedea kaalae</i> .	
Oahu 1— <i>Schiedea kealiae</i> —a	<i>Schiedea kealiae</i> .	
Oahu 4— <i>Schiedea nuttallii</i> —a	<i>Schiedea nuttallii</i> .	
Oahu 15— <i>Schiedea nuttallii</i> —b		<i>Schiedea nuttallii</i> .
Oahu 15— <i>Schiedea nuttallii</i> —c		<i>Schiedea nuttallii</i> .
Oahu 1— <i>Sesbania tomentosa</i> —a	<i>Sesbania tomentosa</i> .	
Oahu 18— <i>Sesbania tomentosa</i> —b		<i>Sesbania tomentosa</i> .
Oahu 4— <i>Silene lanceolata</i> —a	<i>Silene lanceolata</i> .	
Oahu 15— <i>Silene perlmanii</i> —a		<i>Silene perlmanii</i> .
Oahu 15— <i>Silene perlmanii</i> —b		<i>Silene perlmanii</i> .
Oahu 15— <i>Silene perlmanii</i> —c		<i>Silene perlmanii</i> .
Oahu 15— <i>Silene perlmanii</i> —d		<i>Silene perlmanii</i> .
Oahu 4— <i>Solanum sandwicense</i> —a		<i>Solanum sandwicense</i> .
Oahu 15— <i>Solanum sandwicense</i> —b		<i>Solanum sandwicense</i> .
Oahu 15— <i>Solanum sandwicense</i> —c	<i>Solanum sandwicense</i> .	
Oahu 5— <i>Spermolepis hawaiiensis</i> —a	<i>Spermolepis hawaiiensis</i> .	
Oahu 31— <i>Spermolepis hawaiiensis</i> —b	<i>Spermolepis hawaiiensis</i> .	
Oahu 15— <i>Stenogyne kanehoana</i> —a	<i>Stenogyne kanehoana</i> .	
Oahu 15— <i>Stenogyne kanehoana</i> —b		<i>Stenogyne kanehoana</i> .
Oahu 4— <i>Tetramolopium filiforme</i> —a	<i>Tetramolopium filiforme</i> .	
Oahu 4— <i>Tetramolopium filiforme</i> —b	<i>Tetramolopium filiforme</i> .	
Oahu 4— <i>Tetramolopium lepidotum</i> ssp. <i>lepidotum</i> —a		<i>Tetramolopium lepidotum</i> ssp. <i>lepidotum</i> .
Oahu 4— <i>Tetramolopium lepidotum</i> ssp. <i>lepidotum</i> —b	<i>Tetramolopium lepidotum</i> ssp. <i>lepidotum</i> .	
Oahu 15— <i>Tetramolopium lepidotum</i> ssp. <i>lepidotum</i> —c		<i>Tetramolopium lepidotum</i> ssp. <i>lepidotum</i> .
Oahu 15— <i>Tetramolopium lepidotum</i> ssp. <i>lepidotum</i> —d		<i>Tetramolopium lepidotum</i> ssp. <i>lepidotum</i> .
Oahu 15— <i>Tetramolopium lepidotum</i> ssp. <i>lepidotum</i> —e		<i>Tetramolopium lepidotum</i> ssp. <i>lepidotum</i> .
Oahu 15— <i>Tetramolopium lepidotum</i> ssp. <i>lepidotum</i> —f		<i>Tetramolopium lepidotum</i> ssp. <i>lepidotum</i> .
Oahu 20— <i>Tetraplasandra gymnocarpa</i> —a	<i>Tetraplasandra gymnocarpa</i> .	
Oahu 20— <i>Tetraplasandra gymnocarpa</i> —b	<i>Tetraplasandra gymnocarpa</i> .	
Oahu 20— <i>Tetraplasandra gymnocarpa</i> —c	<i>Tetraplasandra gymnocarpa</i> .	
Oahu 20— <i>Tetraplasandra gymnocarpa</i> —d	<i>Tetraplasandra gymnocarpa</i> .	
Oahu 35— <i>Tetraplasandra gymnocarpa</i> —e	<i>Tetraplasandra gymnocarpa</i> .	
Oahu 35— <i>Tetraplasandra gymnocarpa</i> —f	<i>Tetraplasandra gymnocarpa</i> .	
Oahu 20— <i>Trematolobelia singularis</i> —a		<i>Trematolobelia singularis</i> .
Oahu 20— <i>Trematolobelia singularis</i> —b	<i>Trematolobelia singularis</i> .	
Oahu 34— <i>Trematolobelia singularis</i> —c		<i>Trematolobelia singularis</i> .
Oahu 35— <i>Trematolobelia singularis</i> —d	<i>Trematolobelia singularis</i> .	
Oahu 35— <i>Trematolobelia singularis</i> —e	<i>Trematolobelia singularis</i> .	
Oahu 4— <i>Urera kaalae</i> —a		<i>Urera kaalae</i> .
Oahu 4— <i>Urera kaalae</i> —b	<i>Urera kaalae</i> .	
Oahu 15— <i>Urera kaalae</i> —c	<i>Urera kaalae</i> .	
Oahu 15— <i>Urera kaalae</i> —d	<i>Urera kaalae</i> .	
Oahu 15— <i>Urera kaalae</i> —e	<i>Urera kaalae</i> .	
Oahu 15— <i>Urera kaalae</i> —f	<i>Urera kaalae</i> .	
Oahu 1— <i>Vigna o-wahuensis</i> —a		<i>Vigna o-wahuensis</i> .
Oahu 24— <i>Vigna o-wahuensis</i> —b		<i>Vigna o-wahuensis</i> .
Oahu 25— <i>Vigna o-wahuensis</i> —c		<i>Vigna o-wahuensis</i> .

(305) TABLE OF PROTECTED SPECIES WITHIN EACH CRITICAL HABITAT UNIT FOR OAHU—Continued

Unit name	Species occupied	Species unoccupied
Oahu 26— <i>Vigna o-wahuensis</i> —d .....	.....	<i>Vigna o-wahuensis</i>
Oahu 4— <i>Viola chamissoniana</i> ssp. <i>chamissoniana</i> —a ...	.....	<i>Viola chamissoniana</i> ssp. <i>chamissoniana</i> .
Oahu 4— <i>Viola chamissoniana</i> ssp. <i>chamissoniana</i> —b ...	.....	<i>Viola chamissoniana</i> ssp. <i>chamissoniana</i> .
Oahu 4— <i>Viola chamissoniana</i> ssp. <i>chamissoniana</i> —c ...	<i>Viola chamissoniana</i> ssp. <i>chamissoniana</i> .	
Oahu 10— <i>Viola chamissoniana</i> ssp. <i>chamissoniana</i> —d .....	.....	<i>Viola chamissoniana</i> ssp. <i>chamissoniana</i> .
Oahu 15— <i>Viola chamissoniana</i> ssp. <i>chamissoniana</i> —e ..	.....	<i>Viola chamissoniana</i> ssp. <i>chamissoniana</i> .
Oahu 15— <i>Viola chamissoniana</i> ssp. <i>chamissoniana</i> —f ..	<i>Viola chamissoniana</i> ssp. <i>chamissoniana</i> .	
Oahu 20— <i>Viola Oahuensis</i> —a	<i>Viola Oahuensis</i> .	
Oahu 35— <i>Viola Oahuensis</i> —b .....	.....	<i>Viola Oahuensis</i> .

(306) Critical habitat unit descriptions and maps, and a description of primary constituent elements, for Family Poaceae: *Panicum faurei* var. *carteri* on the island of Oahu is provided in 50 CFR 17.96(a).

(j) *Plants on Oahu; Constituent elements.*

(1) *Flowering plants.*

Family Amaranthaceae: *Nototrichium humile* (kului)

Oahu 3—*Nototrichium humile*—a, Oahu 4—*Nototrichium humile*—b, Oahu 4—*Nototrichium humile*—c, and Oahu 4—*Nototrichium humile*—d, identified in the legal descriptions in paragraph (i) of this section, constitute critical habitat for *Nototrichium humile* on Oahu.

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

(i) Cliff faces, gulches, stream banks, or steep slopes in dry or mesic forests often dominated by *Diospyros sandwicensis* or *Sapindus oahuensis* and containing one or more of the following associated native plant species: *Abutilon sandwicense*, *Alyxia oliviformis*, *Antidesma pulvinatum*, *Artemisia australis*, *Bidens cervicata*, *Canavalia* sp., *Carex wahuensis*, *Charpentiera* sp., *Dodonaea viscosa*, *Elaeocarpus bifidus*, *Erythrina sandwicensis*, *Eugenia reinwardtiana*, *Hibiscus* sp., *Melanthera tenuis*, *Metrosideros polymorpha*, *Myoporum sandwicense*, *Myrsine lanaiensis*, *Nestegis sandwicensis*, *Peperomia* sp., *Pisonia umbellifera*, *Pleomele* sp., *Pouteria sandwicensis*, *Psydrax odorata*, *Rauvolfia sandwicensis*, *Reynoldsia sandwicensis*, *Sicyos* sp., *Stenogyne* sp., *Streblus pendulinus*, or *Syzygium sandwicensis*; and

(ii) Elevations between 185 and 806 m (607 and 2,644 ft).

Family Apiaceae: *Peucedanum sandwicense* (makou)

Oahu 4—*Peucedanum sandwicense*—a, identified in the legal description in paragraph (i) of this section, constitutes critical habitat for *Peucedanum sandwicense* on Oahu. Within this unit,

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

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

(ii) Elevations between 469 and 977 m (1,538 and 3,205 ft).

Family Apiaceae: *Sanicula mariversa* (NCN)

Oahu 4—*Sanicula mariversa*—a, Oahu 4—*Sanicula mariversa*—b, Oahu 4—*Sanicula mariversa*—c, Oahu 6—*Sanicula mariversa*—d, Oahu 15—*Sanicula mariversa*—e, and Oahu 15—*Sanicula mariversa*—f, identified in the legal descriptions in paragraph (i) of this section, constitute critical habitat for *Sanicula mariversa* on Oahu. Within these units, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

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

(ii) Elevations between 475 and 1,025 m (1,558 and 3,362 ft).

Family Apiaceae: *Sanicula purpurea* (NCN)

Oahu 20—*Sanicula purpurea*—a, identified in the legal description in paragraph (i) of this section, constitutes critical habitat for *Sanicula purpurea* on

Oahu. Within this unit, 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 or windswept shrublands within the cloud zone containing one or more of the following associated native plant species: *Bidens* sp., *Cheirodendron* sp., *Dicanthelium koolauense*, *Gahnia beechyi*, *Leptecophylla tameiameiae*, *Lycopodium* sp., *Machaerina angustifolia*, *Plantago pachyphylla*, *Sadleria pallida*, or *Vaccinium* sp.; and

(ii) Elevations between 415 and 871 m (1,361 and 2,857 ft).

Family Apiaceae: *Spermolepis hawaiiensis* (NCN)

Oahu 5—*Spermolepis hawaiiensis*—a and Oahu 31—*Spermolepis hawaiiensis*—b, identified in the legal descriptions in paragraph (i) of this section, constitute critical habitat for *Spermolepis hawaiiensis* on Oahu. Within these units, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

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

(ii) Elevations between 25 to 306 m (82 to 1,004 ft).

Family Araliaceae: *Tetraplasandra gymnocarpa* (oheohe)

Oahu 20—*Tetraplasandra gymnocarpa*—a, Oahu 20—*Tetraplasandra gymnocarpa*—b, Oahu 20—*Tetraplasandra gymnocarpa*—c, Oahu 20—*Tetraplasandra gymnocarpa*—d, Oahu 35—*Tetraplasandra gymnocarpa*—e and Oahu 35—*Tetraplasandra gymnocarpa*—f, identified in the legal descriptions in paragraph (i) of this section, constitute critical habitat for *Tetraplasandra gymnocarpa* on Oahu.

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

(ii) Elevations between 93 and 959 m (305 and 3,146 ft).

Family Asteraceae: *Dubautia herbstobatae* (naena)

Oahu 4—*Dubautia herbstobatae*—a, Oahu 4—*Dubautia herbstobatae*—b, and Oahu 7—*Dubautia herbstobatae*—c, identified in the legal descriptions in paragraph (i) of this section, constitute critical habitat for *Dubautia herbstobatae* on Oahu. 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 outcrops, ridges, moderate slopes, or vertical cliffs in dry or mesic shrubland containing one or more of the following associated native plant species: *Artemisia australis*, *Bidens torta*, *Carex meyenii*, *Chamaesyce celastroides*, *Dodonaea viscosa*, *Eragrostis variabilis*, *Metrosideros polymorpha*, or *Schiedea mannii*; and

(ii) Elevations between 473 and 975 m (1,551 and 3,198 ft).

Family Asteraceae: *Hesperomannia arborescens* (NCN)

Oahu 4—*Hesperomannia arborescens*—a and Oahu 20—*Hesperomannia arborescens*—b, identified in the legal descriptions in paragraph (i) of this section, constitute critical habitat for *Hesperomannia arborescens* on Oahu. 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, ridge tops, or gulches in lowland wet forests or shrublands and containing one or more of the following associated native plant

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

(ii) Elevations between 110 and 1,025 m (361 and 3,362 ft).

Family Asteraceae: *Hesperomannia arbuscula* (NCN)

Oahu 4—*Hesperomannia arbuscula*—a, Oahu 4—*Hesperomannia arbuscula*—b, Oahu 15—*Hesperomannia arbuscula*—c, Oahu 15—*Hesperomannia arbuscula*—d, and Oahu 15—*Hesperomannia arbuscula*—e, identified in the legal descriptions in paragraph (i) of this section, constitute critical habitat for *Hesperomannia arbuscula* on Oahu. Within these units, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

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

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

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

Oahu 4—*Lipochaeta lobata* var. *leptophylla*—a and Oahu 15—*Lipochaeta lobata* var. *leptophylla*—b, identified in the legal descriptions in paragraph (i) of this section, constitute critical habitat for *Lipochaeta lobata* var. *leptophylla* on Oahu. Within these units, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

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

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

Family Asteraceae: *Lipochaeta tenuifolia* (nehe)

Oahu 4—*Lipochaeta tenuifolia*—a, Oahu 4—*Lipochaeta tenuifolia*—b, and Oahu 4—*Lipochaeta tenuifolia*—c, identified in the legal descriptions in paragraph (i) of this section, constitute critical habitat for *Lipochaeta tenuifolia* on Oahu. Within these units, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

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

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

Family Asteraceae: *Tetramolopium filiforme* (NCN)

Oahu 4—*Tetramolopium filiforme*—a and Oahu 4—*Tetramolopium filiforme*—b, identified in the legal descriptions in paragraph (i) of this section, constitute critical habitat for *Tetramolopium filiforme* on Oahu. 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 cliff faces or ridges in dry or mesic forests containing one or more of the following associated native plant species: *Artemisia australis*, *Bidens torta*, *Carex meyenii*, *Dodonaea viscosa*, *Peperomia tetraphylla*, *Schiedea mannii*, *Schiedea* sp., or *Sida fallax*; and

(ii) Elevations between 352 and 978 m (1,155 and 3,208 ft).

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

Oahu 4—*Tetramolopium lepidotum* ssp. *lepidotum*—a, Oahu 4—*Tetramolopium lepidotum* ssp. *lepidotum*—b, Oahu 15—*Tetramolopium lepidotum* ssp. *lepidotum*—c, Oahu 15—*Tetramolopium lepidotum* ssp. *lepidotum*—d, Oahu 15—*Tetramolopium lepidotum* ssp. *lepidotum*—e, and Oahu 15—*Tetramolopium lepidotum* ssp.

lepidotum—f, identified in the legal descriptions in paragraph (i) of this section, constitute critical habitat for *Tetramolopium lepidotum* ssp. *lepidotum* on Oahu. Within these units, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

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

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

Family Brassicaceae: *Lepidium arbuscula* (anaunau)

Oahu 4—*Lepidium arbuscula*—a, Oahu 15—*Lepidium arbuscula*—b, and Oahu 15—*Lepidium arbuscula*—c, identified in the legal descriptions in paragraph (i) of this section, constitute critical habitat for *Lepidium arbuscula* on Oahu. Within these units, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

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

(ii) Elevations between 246 and 978 m (430 and 3,208 ft).

Family Campanulaceae: *Cyanea acuminata* (haha)

Oahu 4—*Cyanea acuminata*—a and Oahu 20—*Cyanea acuminata*—b, identified in the legal descriptions in paragraph (i) of this section, constitute critical habitat for *Cyanea acuminata* on Oahu. Within these units, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

(i) Slopes, ridges, or stream banks in *Metrosideros polymorpha*-*Dicranopteris linearis* or *Acacia koa*-*Metrosideros polymorpha* wet or mesic forest or shrubland, or *Diospyros sandwicensis*-*Metrosideros polymorpha* lowland mesic forest, and containing one or more of the following associated native plant species: *Antidesma* sp.,

Broussaisia arguta, *Chamaesyce* sp., *Charpentiera* sp., *Cyrtandra* spp., *Diplazium sandwichianum*, *Dryopteris sandwicensis*, *Dubautia laxa*, *Freycinetia arborea*, *Hedyotis centranthoides*, *Hedyotis* sp., *Hibiscus* sp., *Ilex anomala*, *Labordia* sp., *Machaerina* sp., *Melicope* spp., *Perrottetia sandwicensis*, *Phyllostegia* sp., *Pipturus albidus*, *Pisonia* sp., *Psychotria* sp., *Sadleria* sp., *Syzygium sandwicensis*, *Touchardia latifolia*, or *Wikstroemia* sp.; and

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

Family Campanulaceae: *Cyanea crispa* (NCN)

Oahu 20—*Cyanea crispa*—a, Oahu 20—*Cyanea crispa*—b, Oahu 21—*Cyanea crispa*—c, and Oahu 35—*Cyanea crispa*—d, identified in the legal descriptions in paragraph (i) of this section, constitute critical habitat for *Cyanea crispa* on Oahu. Within these units, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

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

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

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

Oahu 20—*Cyanea grimesiana* ssp. *grimesiana*—a and Oahu 35—*Cyanea grimesiana* ssp. *grimesiana*—b, identified in the legal descriptions in paragraph (i) of this section, constitute critical habitat for *Cyanea grimesiana* ssp. *grimesiana* on Oahu. Within these units, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

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

sp., *Myrsine* sp., *Nestegis sandwicensis*, *Psychotria* sp., *Syzygium sandwicensis*, or *Xylosma* sp.; and

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

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

Oahu 4—*Cyanea grimesiana* ssp. *obatae*—a, Oahu 15—*Cyanea grimesiana* ssp. *obatae*—b, Oahu 15—*Cyanea grimesiana* ssp. *obatae*—c, and Oahu 15—*Cyanea grimesiana* ssp. *obatae*—d, identified in the legal descriptions in paragraph (i) of this section, constitute critical habitat for *Cyanea grimesiana* ssp. *obatae* on Oahu. 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, moist, shaded slopes in diverse mesic to wet lowland forests containing one or more of the following associated native plant species: *Acacia koa*, *Antidesma platyphyllum*, *Chamaesyce* sp., *Charpentiera obovata*, *Cibotium chamissoi*, *Claoxylon sandwicense*, *Coprosma* sp., *Cyanea membranacea*, *Cyrtandra waianaensis*, *Diplazium sandwichianum*, *Dryopteris unidentata*, *Dubautia* sp., *Freycinetia arborea*, *Hedyotis acuminata*, *Hedyotis terminalis*, *Metrosideros polymorpha*, *Myrsine lessertiana*, *Nothocestrum* sp., *Perrottetia sandwicensis*, *Pipturus albidus*, *Pisonia umbellifera*, *Pouteria sandwicensis*, *Psychotria hathewayi*, *Rumex* sp., *Selaginella arbuscula*, or *Streblus pendulinus*; and

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

Family Campanulaceae: *Cyanea humboltiana* (haha)

Oahu 20—*Cyanea humboltiana*—a, Oahu 20—*Cyanea humboltiana*—b, Oahu 20—*Cyanea humboltiana*—c, Oahu 20—*Cyanea humboltiana*—d, and Oahu 35—*Cyanea humboltiana*—e, identified in the legal descriptions in paragraph (i) of this section, constitute critical habitat for *Cyanea humboltiana* on Oahu. Within these units, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

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

sandwicensis, *Wikstroemia* sp., or native ferns; and

(ii) Elevations between 319 and 959 m (856 and 3,146 ft).

Family Campanulaceae: *Cyanea koolauensis* (haha)

Oahu 20—*Cyanea koolauensis*—a, Oahu 20—*Cyanea koolauensis*—b, Oahu 35—*Cyanea koolauensis*—c, and Oahu 35—*Cyanea koolauensis*—d, identified in the legal descriptions in paragraph (i) of this section, constitute critical habitat for *Cyanea koolauensis* on Oahu.

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

(i) Slopes, stream banks, and ridge crests in wet *Metrosideros polymorpha-Dicranopteris linearis* forest or shrubland containing one or more of the following associated native plant species: *Acacia koa*, *Antidesma platyphyllum*, *Bidens* sp., *Bobea elatior*, *Broussaisia arguta*, *Cibotium* sp., *Diplopterygium pinnatum*, *Dubautia* sp., *Hedyotis* sp., *Machaerina* sp., *Melicope* sp., *Pittosporum* sp., *Pritchardia martii*, *Psychotria mariniana*, *Sadleria* sp., *Scaevola* sp., *Syzygium sandwicensis*, or *Wikstroemia* sp.; and

(ii) Elevations between 280 and 959 m (535 and 3,146 ft).

Family Campanulaceae: *Cyanea longiflora* (haha)

Oahu 4—*Cyanea longiflora*—a, Oahu 4—*Cyanea longiflora*—b, and Oahu 19—*Cyanea longiflora*—c, identified in the legal descriptions in paragraph (i) of this section, constitute critical habitat for *Cyanea longiflora* on Oahu. 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, bases of cliffs, or ridge crests in mesic *Acacia koa-Metrosideros polymorpha* lowland forest containing one or more of the following associated native plant species: *Antidesma* sp., *Cibotium* sp., *Coprosma* sp., *Dicranopteris linearis*, *Psychotria* sp., *Schiedea* sp., or *Syzygium sandwicensis*; and

(ii) Elevations between 146 and 1,191 m (479 and 3,906 ft).

Family Campanulaceae: *Cyanea pinnatifida* (haha)

Oahu 15—*Cyanea pinnatifida*—a, Oahu 15—*Cyanea pinnatifida*—b, and Oahu 15—*Cyanea pinnatifida*—c, identified in the legal descriptions in paragraph (i) of this section, constitute critical habitat for *Cyanea pinnatifida* on Oahu. 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, wet, rocky slopes in diverse mesic forest containing one or more of the following associated native plant species: *Canavalia* sp., *Diplazium sandwichianum*, *Pipturus albidus*, *Pisonia sandwicensis*, *Pisonia umbellifera*, *Psychotria* sp., *Strongylodon ruber*, or native ferns; and

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

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

Oahu 20—*Cyanea st.-johnii*—a and Oahu 35—*Cyanea st.-johnii*—b, identified in the legal descriptions in paragraph (i) of this section, constitute critical habitat for *Cyanea st.-johnii* on Oahu. 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, windswept slopes and ridges in *Metrosideros polymorpha* mixed lowland shrubland or *Metrosideros polymorpha-Dicranopteris linearis* lowland shrubland and containing one or more of the following associated native plant species: *Alyxia oliviformis*, *Antidesma* sp., *Bidens macrocarpa*, *Broussaisia arguta*, *Chamaesyce clusiifolia*, *Cibotium* sp., *Dubautia laxa*, *Freycinetia arborea*, *Hedyotis* sp., *Labordia* sp., *Machaerina angustifolia*, *Melicope* sp., *Psychotria* sp., *Sadleria pallida*, *Scaevola mollis*, or *Syzygium sandwicensis*; and

(ii) Elevations between 461 and 959 m (1,512 and 3,146 ft).

Family Campanulaceae: *Cyanea superba* (NCN)

Oahu 4—*Cyanea superba*—a, Oahu 4—*Cyanea superba*—b, Oahu 4—*Cyanea superba*—c, and Oahu 35—*Cyanea superba*—d, identified in the legal descriptions in paragraph (i) of this section, constitute critical habitat for *Cyanea superba* on Oahu. Within these units, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

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

(ii) Elevations between 232 and 872 m (761 and 2,991 ft).

Family Campanulaceae: *Cyanea truncata* (haha)

Oahu 20—*Cyanea truncata*—a and Oahu 21—*Cyanea truncata*—b, identified in the legal descriptions in paragraph (i) of this section, constitute critical habitat for *Cyanea truncata* on Oahu. Within these units, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

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

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

Family Campanulaceae: *Delissea subcordata* (oha)

Oahu 4—*Delissea subcordata*—a, Oahu 15—*Delissea subcordata*—b, Oahu 15—*Delissea subcordata*—c, Oahu 15—*Delissea subcordata*—d, Oahu 35—*Delissea subcordata*—e, and Oahu 35—*Delissea subcordata*—f, identified in the legal descriptions in paragraph (i) of this section, constitute critical habitat for *Delissea subcordata* on Oahu. Within these units, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

(i) Moderate to steep gulch slopes in mixed mesic forests containing one or more of the following associated native plant species: *Acacia koa*, *Alyxia oliviformis*, *Antidesma* sp., *Bobea* sp., *Claoxylon sandwicense*, *Chamaesyce multiformis*, *Charpentiera obovata*, *Diospyros hillebrandii*, *Diospyros sandwicensis*, *Hedyotis acuminata*, *Metrosideros polymorpha*, *Myrsine lanaiensis*, *Nestegis sandwicensis*, *Pisonia* sp., *Pouteria sandwicensis*, *Psychotria hathewayi*, *Psydrax odorata*, or *Streblus pendulinus*; and

(ii) Elevations between 179 and 928 m (587 and 3,044 ft).

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

Oahu 20—*Lobelia gaudichaudii* ssp. *koolauensis*—a, identified in the legal description in paragraph (i) of this section, constitutes critical habitat for *Lobelia gaudichaudii* ssp. *koolauensis* on Oahu. Within this unit, the currently known primary constituent elements of critical habitat include, but are not

limited to, the habitat components provided by:

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

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

Family Campanulaceae: *Lobelia monostachya* (NCN)

Oahu 30—*Lobelia monostachya*—a, Oahu 22—*Lobelia monostachya*—b, Oahu 33—*Lobelia monostachya*—c, and Oahu 35—*Lobelia monostachya*—d, identified in the legal descriptions in paragraph (i) of this section, constitutes critical habitat for *Lobelia monostachya* on Oahu. 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, sparsely vegetated cliffs in mesic shrubland containing one or more of the following associated native plant species: *Artemisia australis*, *Carex meyenii*, *Eragrostis* sp., or *Psilotum nudum*; and

(ii) Elevation between 79 and 592 m (259 to 1,942 ft).

Family Campanulaceae: *Lobelia niihauensis* (NCN)

Oahu 4—*Lobelia niihauensis*—a and Oahu 17—*Lobelia niihauensis*—b, identified in the legal descriptions in paragraph (i) of this section, constitute critical habitat for *Lobelia niihauensis* on Oahu. Within these units, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

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

(ii) Elevations between 407 to 926 m (1,335 to 3,037 ft).

Family Campanulaceae: *Lobelia oahuensis* (NCN)

Oahu 20—*Lobelia oahuensis*—a and Oahu 35—*Lobelia oahuensis*—b, identified in the legal descriptions in paragraph (i) of this section, constitute

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

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

Family Campanulaceae: *Trematolobelia singularis* (NCN)

Oahu 20—*Trematolobelia singularis*—a, Oahu 20—*Trematolobelia singularis*—b, Oahu 34—*Trematolobelia singularis*—c, Oahu 35—*Trematolobelia singularis*—d, and Oahu 35—*Trematolobelia singularis*—e, identified in the legal descriptions in paragraph (i) of this section, constitute critical habitat for *Trematolobelia singularis* on Oahu. 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, windswept cliff faces or slopes in *Metrosideros polymorpha*-*Dicranopteris linearis* lowland wet shrubland and containing one or more of the following associated native plant species: *Broussaisia arguta*, *Cibotium* sp., *Dubautia laxa*, *Eugenia* sp., *Melicope* sp., *Sadleria* sp., or *Wikstroemia* sp.; and

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

Family Caryophyllaceae: *Alsinidendron obovatum* (NCN)

Oahu 4—*Alsinidendron obovatum*—a, Oahu 4—*Alsinidendron obovatum*—b, and Oahu 15—*Alsinidendron obovatum*—c, identified in the legal descriptions in paragraph (i) of this section, constitute critical habitat for *Alsinidendron obovatum* on Oahu. Within these units, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

(i) Ridges and slopes in lowland diverse mesic forest dominated by *Acacia koa* and *Metrosideros polymorpha* and containing one or more

of the following associated native plant species: *Alyxia oliviformis*, *Antidesma platyphyllum*, *Bidens torta*, *Cibotium chamissoi*, *Coprosma* sp., *Cyanea longiflora*, *Hedyotis terminalis*, *Ilex anomala*, *Machaerina* sp., *Peperomia* sp., *Perrottetia sandwicensis*, *Pipturus* sp., or *Psydrax odorata*; and

(ii) Elevations between 477 and 943 m (1,565 and 3,093 ft).

Family Caryophyllaceae: *Alsinidendron trinerve* (NCN)

Oahu 4—*Alsinidendron trinerve*—a, identified in the legal description in paragraph (i) of this section, constitutes critical habitat for *Alsinidendron trinerve* on Oahu. Within this unit, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

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

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

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

Family Caryophyllaceae: *Schiedea hookeri* (NCN)

Oahu 3—*Schiedea hookeri*—a, Oahu 4—*Schiedea hookeri*—b, Oahu 4—*Schiedea hookeri*—c, Oahu 4—*Schiedea hookeri*—d, Oahu 15—*Schiedea hookeri*—e, Oahu 15—*Schiedea hookeri*—f, and Oahu 15—*Schiedea hookeri*—g, identified in the legal descriptions in paragraph (i) of this section, constitute critical habitat for *Schiedea hookeri* on Oahu. Within these units, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

(i) Slopes, cliffs or cliff bases, rock walls, or ledges in diverse mesic or dry lowland forest often dominated by *Metrosideros polymorpha*, *Diospyros sandwicensis*, or *Diospyros hillebrandii*, and containing one or more of the following associated native plant species: *Acacia koa*, *Alyxia oliviformis*, *Antidesma pulvinatum*, *Artemisia australis*, *Bidens torta*, *Carex meyenii*, *Carex wahuensis*, *Charpentiera tomentosa*, *Dodonaea viscosa*, *Elaeocarpus bifidus*, *Eragrostis grandis*, *Hibiscus* sp., *Leptecophylla*

tameiameiae, *Melanthera tenuis*, *Pisonia sandwicensis*, *Pouteria sandwicensis*, *Psydrax odorata*, *Sida fallax*, or *Stenogyne* sp.; and

(ii) Elevations between 238 and 978 m (781 and 3,208 ft).

Family Caryophyllaceae: *Schiedea kaalae* (maolioli)

Oahu 4—*Schiedea kaalae*—a, Oahu 15—*Schiedea kaalae*—b, Oahu 15—*Schiedea kaalae*—c, Oahu 15—*Schiedea kaalae*—d, Oahu 20—*Schiedea kaalae*—e, and Oahu 21—*Schiedea kaalae*—f, identified in the legal descriptions in paragraph (i) of this section, constitute critical habitat for *Schiedea kaalae* on Oahu. 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, cliffs, stream banks, or deep shade in diverse mesic or wet forests and containing one or more of the following associated native plant species: *Alyxia oliviformis*, *Boehmeria grandis*, *Charpentiera* sp., *Claoxylon sandwicense*, *Cyrtandra calpidicarpa*, *Cyrtandra laxiflora*, *Diospyros hillebrandii*, *Diplazium arnottii*, *Diplazium sandwichianum*, *Dryopteris unidentata*, *Freycinetia arborea*, *Hedyotis acuminata*, *Nothoecstrum longifolium*, *Pipturus albidus*, *Pisonia sandwicensis*, *Pisonia umbellifera*, *Pouteria sandwicensis*, *Psychotria hathewayi*, *Selaginella arbuscula*, or *Xylosma hawaiiense*; and

(ii) Elevations between 64 and 904 m (210 and 2,965 ft).

Family Caryophyllaceae: *Schiedea kealiae* (maolioli)

Oahu 1—*Schiedea kealiae*—a, identified in the legal description in paragraph (i) of this section, constitutes critical habitat for *Schiedea kealiae* on Oahu. Within this unit, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

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

(ii) Elevations between 47 and 341 m (154 and 1,118 ft)

Family Caryophyllaceae: *Schiedea nuttallii* (NCN)

Oahu 4—*Schiedea nuttallii*—a, Oahu 15—*Schiedea nuttallii*—b, and Oahu 15—*Schiedea nuttallii*—c, identified in the legal descriptions in paragraph (i) of this section, constitute critical habitat for *Schiedea nuttallii* on Oahu. 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 walls, forested slopes, or steep walls in *Acacia koa*-*Metrosideros polymorpha* lowland mesic forest or *Metrosideros polymorpha*-*Dodonaea viscosa* forest and containing one or more of the following associated native plant species: *Alyxia oliviformis*, *Antidesma platyphyllum*, *Bidens torta*, *Cibotium chamissoi*, *Coprosma* sp., *Cyanea longiflora*, *Hedyotis terminalis*, *Ilex anomala*, *Machaerina* sp., *Peperomia* sp., *Perrottetia sandwicensis*, *Pipturus* sp., or *Psydrax odorata*; and

(ii) Elevations between 408 and 1072 m (1,338 and 3,516 ft).

Family Caryophyllaceae: *Silene lanceolata* (NCN)

Oahu 4—*Silene lanceolata*—a, identified in the legal description in paragraph (i) of this section, constitutes critical habitat for *Silene lanceolata* on Oahu. Within this unit, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

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

(ii) Elevations between 328 to 978 m (1,076 to 3,208 ft).

Family Caryophyllaceae: *Silene perlmanii* (NCN)

Oahu 15—*Silene perlmanii*—a, Oahu 15—*Silene perlmanii*—b, Oahu 15—*Silene perlmanii*—c, and Oahu 15—*Silene perlmanii*—d, identified in the legal descriptions in paragraph (i) of this section, constitute critical habitat for *Silene perlmanii* on Oahu. 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 *Acacia koa*-*Metrosideros polymorpha* lowland mesic forest; and

(ii) Elevations between 382 and 926 m (1,253 and 3,037 ft).

Family Convolvulaceae: *Bonamia menziesii* (NCN)

Oahu 2—*Bonamia menziesii*—a, Oahu 3—*Bonamia menziesii*—b, Oahu 4—*Bonamia menziesii*—c, Oahu 17—*Bonamia menziesii*—d, and Oahu 35—*Bonamia menziesii*—e, identified in the legal descriptions in paragraph (i) of this section, constitute critical habitat for *Bonamia menziesii* on Oahu. 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 level ground in dry or mesic forest in open or closed canopy and containing one or more of the following associated native plant species: *Acacia koa*, *Alyxia oliviformis*, *Dianella sandwicensis*, *Diospyros sandwicensis*, *Dodonaea viscosa*, *Erythrina sandwicensis*, *Hedyotis terminalis*, *Leptecophylla tameiameiae*, *Melicope* sp., *Metrosideros polymorpha*, *Myoporum sandwicensis*, *Nestegis sandwicensis*, *Pisonia* sp., *Pittosporum* sp., *Pleomele* sp., *Pouteria sandwicensis*, *Psydrax odorata*, *Rauvolfia sandwicensis*, *Sapindus oahuensis*, *Sicyos* sp., *Sida fallax*, or *Waltheria indica*; and

(ii) Elevations between 81 and 658 m (266 and 2,158 ft).

Family Cyperaceae: *Cyperus trachysanthos* (puukaa)

Oahu 1—*Cyperus trachysanthos*—a, Oahu 28—*Cyperus trachysanthos*—b, Oahu 29—*Cyperus trachysanthos*—c, and Oahu 36—*Cyperus trachysanthos*—d, identified in the legal descriptions in paragraph (i) of this section, constitute critical habitat for *Cyperus trachysanthos* on Oahu. Within these units, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

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

(ii) Elevations between 6 and 194 m (20 and 636 ft).

Family Cyperaceae: *Mariscus pennatiformis* (NCN)

Oahu 4—*Mariscus pennatiformis*—a and Oahu 4—*Mariscus pennatiformis*—b, identified in the legal descriptions in paragraph (i) of this section, constitute critical habitat for *Mariscus pennatiformis* on Oahu. 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 and wet *Metrosideros polymorpha* forest and *Metrosideros polymorpha*-*Acacia koa* forest; and
- (ii) Elevations between 424 and 1,032 m (1,391 and 3,385 ft).

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

Oahu 1—*Chamaesyce celastroides* var. *kaenana*—a, Oahu 3—*Chamaesyce celastroides* var. *kaenana*—b, Oahu 4—*Chamaesyce celastroides* var. *kaenana*—c, Oahu 5—*Chamaesyce celastroides* var. *kaenana*—d, and Oahu 35—*Chamaesyce celastroides* var. *kaenana*—e, identified in the legal descriptions in paragraph (i) of this section, constitute critical habitat for *Chamaesyce celastroides* var. *kaenana* on Oahu. Within these units, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

- (i) Windward talus slopes, leeward rocky cliffs, open grassy slopes, or vegetated cliff faces in coastal dry shrubland and containing one or more of the following associated native plant species: *Artemisia australis*, *Boerhavia* sp., *Chamaesyce celastroides* var. *amplectans*, *Dodonaea viscosa*, *Gossypium tomentosum*, *Heteropogon contortus*, *Jacquemontia ovalifolia* ssp. *sandwicensis*, *Lipochaeta lobata*, *Myoporum sandwicense*, *Plumbago zeylanica*, *Psilotum nudum*, *Psydrax odorata*, *Santalum freycinetianum*, *Sida fallax* or *Waltheria indica*; and
- (ii) Elevations between 1 and 862 m (3 and 2,827 ft).

Family Euphorbiaceae: *Chamaesyce deppeana* (akoko)

Oahu 20—*Chamaesyce deppeana*—a and Oahu 35—*Chamaesyce deppeana*—b, identified in the legal description in paragraph (i) of this section, constitute critical habitat for *Chamaesyce deppeana* on Oahu. Within these units, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

- (i) Windward-facing ridge crests, cliff faces, and mixed native cliffs and containing one or more of the following associated native plant species: *Bidens sandwicensis* or *Metrosideros polymorpha*; and
- (ii) Elevations from 274 to 661 m (899 to 2,168 ft).

Family Euphorbiaceae: *Chamaesyce herbstii* (akoko)

Oahu 4—*Chamaesyce herbstii*—a, Oahu 15—*Chamaesyce herbstii*—b, and

Oahu 15—*Chamaesyce herbstii*—c, identified in the legal descriptions in paragraph (i) of this section, constitute critical habitat for *Chamaesyce herbstii* on Oahu. Within these units, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

- (i) Shaded gulch bottoms and slopes in mesic *Acacia koa*-*Metrosideros polymorpha* lowland forests or diverse mesic forests and containing one or more of the following associated native plant species: *Antidesma platyphyllum*, *Coprosma* sp., *Diplazium sandwichianum*, *Hedyotis* sp., *Hibiscus arnottianus* var. *arnottianus*, *Melicope* sp., *Morinda trimera*, *Pipturus albidus*, *Pouteria sandwicensis*, *Pteralyxia* sp., *Urera glabra*, or *Xylosma* sp.; and
- (ii) Elevations between 433 and 928 m (1,420 and 3,044 ft).

Family Euphorbiaceae: *Chamaesyce kuwaleana* (akoko)

Oahu 9—*Chamaesyce kuwaleana*—a, Oahu 11—*Chamaesyce kuwaleana*—b, Oahu 12—*Chamaesyce kuwaleana*—c, Oahu 15—*Chamaesyce kuwaleana*—d, Oahu 22—*Chamaesyce kuwaleana*—e, Oahu 23—*Chamaesyce kuwaleana*—f, and Oahu 26—*Chamaesyce kuwaleana*—g, identified in the legal descriptions in paragraph (i) of this section, constitute critical habitat for *Chamaesyce kuwaleana* on Oahu. Within these units, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

- (i) Thin guano soil on basaltic rock; arid, exposed volcanic cliffs; dry or mesic rocky ridges; or sparsely vegetated slopes and containing one or more of the following associated native plant species: *Artemisia* sp., *Bidens* sp., *Carex* sp., *Chamaesyce* sp., *Dodonaea viscosa*, *Heteropogon contortus*, *Plectranthus parviflorus*, *Schiedea* sp., or *Sida fallax*; and
- (ii) Elevations between 0 and 596 m (0 and 1,955 ft).

Family Euphorbiaceae: *Chamaesyce rockii* (akoko)

Oahu 20—*Chamaesyce rockii*—a, Oahu 20—*Chamaesyce rockii*—b, and Oahu 20—*Chamaesyce rockii*—c, identified in the legal descriptions in paragraph (i) of this section, constitute critical habitat for *Chamaesyce rockii* on Oahu. Within these units, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

- (i) Gulch slopes, gulch bottoms, and ridge crests in wet *Metrosideros*

polymorpha-*Dicranopteris linearis* forest and shrubland and containing one or more of the following associated native plant species: *Antidesma platyphyllum*, *Bidens* sp., *Broussaisia arguta*, *Cibotium* sp., *Coprosma longifolia*, *Diplopterygium pinnatum*, *Dubautia laxa*, *Hedyotis terminalis*, *Machaerina* sp., *Melicope* spp., *Myrsine juddii*, *Psychotria fauriei*, *Psychotria* spp., or *Wikstroemia* sp.; and

- (ii) Elevations between 208 and 867 m (682 and 2,844 ft).

Family Euphorbiaceae: *Euphorbia haeleeleana* (akoko)

Oahu 3—*Euphorbia haeleeleana*—a and Oahu 4—*Euphorbia haeleeleana*—b, identified in the legal descriptions in paragraph (i) of this section, constitute critical habitat for *Euphorbia haeleeleana* on Oahu. 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 dominated by *Diospyros* sp. and containing one or more of the following associated native plant species: *Dodonaea viscosa*, *Erythrina sandwicensis*, *Pleomele* sp., *Psydrax odorata*, *Reynoldsia sandwicensis*, or *Sapindus oahuensis*; and
- (ii) Elevations between 156 and 526 m (512 and 1,725 ft).

Family Euphorbiaceae: *Flueggea neowawraea* (mehamehame)

Oahu 4—*Flueggea neowawraea*—a, identified in the legal description in paragraph (i) of this section, constitutes critical habitat for *Flueggea neowawraea* on Oahu. Within this unit, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

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

(ii) Elevations between 335 to 1,006 m (1,099 to 3,300 ft).

Family Fabaceae: *Sesbania tomentosa* (ohai)

Oahu 1—*Sesbania tomentosa*—a and Oahu 18—*Sesbania tomentosa*—b, identified in the legal descriptions in paragraph (i) of this section, constitute critical habitat for *Sesbania tomentosa* on Oahu. Within these units, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

(i) Cliff faces, broken basalt, or sand dunes with rock outcrops in *Scaevola sericea* coastal dry shrubland or *Sporobolus virginicus* mixed grasslands and containing one or more of the following associated native plant species: *Heliotropium* sp., *Jacquemontia ovalifolia* ssp. *sandwicensis*, *Melanthera* sp., *Myoporum sandwicense*, or *Sida fallax*; and

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

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

Oahu 1—*Vigna o-wahuensis*—a, Oahu 24—*Vigna o-wahuensis*—b, Oahu 25—*Vigna o-wahuensis*—c, and Oahu 26—*Vigna o-wahuensis*—d, identified in the legal descriptions in paragraph (i) of this section, constitute critical habitat for *Vigna o-wahuensis* on Oahu. 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 dry fossil reef, with shrubs or grasses or fairly steep slopes; and

(ii) Elevations between 0 and 301 m (0 and 987 ft).

Family Gentianaceae: *Centaurium sebaeoides* (awiwi)

Oahu 1—*Centaurium sebaeoides*—a and Oahu 27—*Centaurium sebaeoides*—b, identified in the legal descriptions in paragraph (i) of this section, constitute critical habitat for *Centaurium sebaeoides* on Oahu. 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 arid coastal areas or on coral plains and containing one or more of the following associated native plant species: *Artemisia* sp., *Bidens* sp., *Jacquemontia ovalifolia* ssp. *sandwicensis*, *Lipochaeta succulenta*, or *Lysimachia* sp.; and

(ii) Elevations between 1 and 161 m (3 and 528 ft).

Family Gesneriaceae: *Cyrtandra dentata* (haiwale)

Oahu 4—*Cyrtandra dentata*—a, identified in the legal description in paragraph (i) of this section, constitutes critical habitat for *Cyrtandra dentata* on Oahu. Within this unit, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

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

(ii) Elevations between 319 and 880 m (1,046 and 2,886 ft).

Family Gesneriaceae: *Cyrtandra polyantha* (haiwale)

Oahu 35—*Cyrtandra polyantha*—a, identified in the legal description in paragraph (i) of this section, constitutes critical habitat for *Cyrtandra polyantha* on Oahu. Within this unit, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

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

(ii) Elevations between 312 and 783 m (1,023 and 2,568 ft).

Family Gesneriaceae: *Cyrtandra subumbellata* (haiwale)

Oahu 20—*Cyrtandra subumbellata*—a and Oahu 20—*Cyrtandra subumbellata*—b, identified in the legal descriptions in paragraph (i) of this section, constitute critical habitat for *Cyrtandra subumbellata* on Oahu. Within these units, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

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

(ii) Elevations between 167 and 841 m (548 and 2,758 ft).

Family Gesneriaceae: *Cyrtandra viridiflora* (haiwale)

Oahu 20—*Cyrtandra viridiflora*—a, identified in the legal description in paragraph (i) of this section, constitutes critical habitat for *Cyrtandra viridiflora* on Oahu. Within this unit, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

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

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

Family Lamiaceae: *Phyllostegia hirsuta* (NCN)

Oahu 4—*Phyllostegia hirsuta*—a, Oahu 15—*Phyllostegia hirsuta*—b, Oahu 15—*Phyllostegia hirsuta*—c, and Oahu 20—*Phyllostegia hirsuta*—d, identified in the legal descriptions in paragraph (i) of this section, constitute critical habitat for *Phyllostegia hirsuta* on Oahu. 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, shaded slopes, cliffs, ridges, gullies, or stream banks in mesic or wet forests dominated by *Metrosideros polymorpha* or a mixture of *Metrosideros polymorpha* and *Dicranopteris linearis* and containing one or more of the following associated native plant species: *Antidesma platyphyllum*, *Astelia* sp., *Broussaisia arguta*, *Chamaesyce multiformis*, *Cibotium* sp., *Claoxylon sandwicense*, *Clermontia kakeana*, *Coprosma longifolia*, *Cyanea membranacea*, *Cyrtandra waianaensis*, *Diplazium sandwichianum*, *Dryopteris unidentata*, *Dubautia laxa*, *Dubautia sherffiana*, *Elaeocarpus bifidus*, *Freycinetia arborea*, *Hedyotis schlechtendahlana*, *Hedyotis terminalis*, *Hibiscus* sp., *Ilex anomala*, *Labordia kaalae*, *Liparis hawaiiensis*, *Lysimachia hillebrandii*, *Machaerina angustifolia*, *Melicope* sp., *Myrsine lessertiana*, *Myrsine sandwicensis*, *Neraudia* sp., *Nothoctrum* sp., *Perrottetia sandwicensis*, *Phyllostegia grandiflora*, *Pipturus* sp., *Pisonia* sp., *Pleomele* sp., *Pouteria sandwicensis*, *Psychotria* sp., *Rumex albescens*, *Scaevola*

gaudichaudiana, *Streblus pendulinus*, *Zanthoxylum kauaense*, or native ferns; and

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

Family Lamiaceae: *Phyllostegia kaalaensis* (NCN)

Oahu 4—*Phyllostegia kaalaensis*—a, Oahu 4—*Phyllostegia kaalaensis*—b, Oahu 4—*Phyllostegia kaalaensis*—c, Oahu 4—*Phyllostegia kaalaensis*—d, Oahu 4—*Phyllostegia kaalaensis*—e, and Oahu 15—*Phyllostegia kaalaensis*—f, identified in the legal descriptions in paragraph (i) of this section, constitute critical habitat for *Phyllostegia kaalaensis* on Oahu. Within these units, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

(i) Gulch slopes or bottoms or almost vertical rock faces in mesic forest or *Sapindus oahuensis* forest and containing one or more of the following associated native plant species:

Antidesma platyphyllum, *Claoxylon sandwicense*, *Diplazium sandwichianum*, *Freycinetia arborea*, *Hibiscus* sp., *Myrsine lanaiensis*, *Myrsine lessertiana*, *Neraudia melastomifolia*, *Pipturus albidus*, *Pouteria sandwicensis*, *Psychotria hathewayi*, *Streblus pendulinus*, or *Urera glabra*; and

(ii) Elevations between 248 and 878 m (813 and 2,880 ft).

Family Lamiaceae: *Phyllostegia mollis* (NCN)

Oahu 15—*Phyllostegia mollis*—a and Oahu 15—*Phyllostegia mollis*—b, identified in the legal descriptions in paragraph (i) of this section, constitute critical habitat for *Phyllostegia mollis* on Oahu. 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 gulches in diverse mesic to wet forests and containing one or more of the following associated native plant species: *Acacia koa*, *Alyxia oliviformis*, *Antidesma platyphyllum*, *Carex meyenii*, *Chamaesyce multiformis*, *Claoxylon sandwicense*, *Diospyros hillebrandii*, *Dryopteris unidentata*, *Metrosideros polymorpha*, *Myrsine* sp., *Pipturus albidus*, *Pisonia umbellifera*, *Pouteria sandwicensis*, *Psychotria hathewayi*, or *Urera glabra*; and

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

Family Lamiaceae: *Phyllostegia parviflora* (NCN)

Oahu 20—*Phyllostegia parviflora*—d, identified in the legal description in paragraph (i) of this section, constitutes critical habitat for *Phyllostegia parviflora* var. *lydgatei* on Oahu. Within this unit, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

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

(ii) Elevations between 529 to 881 m (1,800 to 2,890 ft).

Oahu 15—*Phyllostegia parviflora*—a, Oahu 15—*Phyllostegia parviflora*—b, and Oahu 15—*Phyllostegia parviflora*—c, identified in the legal descriptions in paragraph (i) of this section, constitute critical habitat for *Phyllostegia parviflora* var. *parviflora* on Oahu.

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

(ii) Elevations between 232 to 881 m (761 to 2,890 ft).

Family Lamiaceae: *Stenogyne kanehoana* (NCN)

Oahu 15—*Stenogyne kanehoana*—a and Oahu 15—*Stenogyne kanehoana*—b, identified in the legal descriptions in paragraph (i) of this section, constitute critical habitat for *Stenogyne kanehoana* on Oahu. 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 mesic forest and containing one or more of the following associated native plant species: *Acacia koa*, *Alyxia oliviformis*, *Bidens* sp., *Chamaesyce* sp., *Cibotium* sp., *Freycinetia arborea*, *Metrosideros polymorpha*, *Psychotria* sp., or *Scaevola* sp.; and

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

Family Loganiaceae: *Labordia cyrtandrae* (kamakahala)

Oahu 4—*Labordia cyrtandrae*—a, Oahu 20—*Labordia cyrtandrae*—b, and Oahu 20—*Labordia cyrtandrae*—c, identified in the legal descriptions in paragraph (i) of this section, constitute critical habitat for *Labordia cyrtandrae* on Oahu. 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 gulches, slopes, or glens in mesic to wet forests and shrublands dominated by *Metrosideros polymorpha*, *Diplopterygium pinnatum*, and/or *Acacia koa* and containing one or more of the following associated native plant species: *Antidesma* sp., *Artemisia australis*, *Bidens torta*, *Boehmeria grandis*, *Broussaisia arguta*, *Chamaesyce* sp., *Coprosma* sp., *Cyrtandra* sp., *Dicranopteris linearis*, *Diplazium sandwichianum*, *Dubautia plantaginea*, *Lysimachia hillebrandii*, *Peperomia membranacea*, *Perrottetia sandwicensis*, *Phyllostegia* sp., *Pipturus albidus*, *Pouteria sandwicensis*, *Psychotria* sp., or *Rumex* sp.; and

(ii) Elevations between 232 and 1,233 m (761 and 4,044 ft).

Family Malvaceae: *Abutilon sandwicense* (NCN)

Oahu 4—*Abutilon sandwicense*—a, Oahu 4—*Abutilon sandwicense*—b, Oahu 4—*Abutilon sandwicense*—c, Oahu 15—*Abutilon sandwicense*—d, Oahu 15—*Abutilon sandwicense*—e, and Oahu 17—*Abutilon sandwicense*—f, identified in the legal descriptions in paragraph (i) of this section, constitute critical habitat for *Abutilon sandwicense* on Oahu. 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 gulches in dry to mesic lowland forest and containing one or more of the following associated native plant species: *Antidesma pulvinatum*, *Diospyros sandwicensis*, *Elaeocarpus bifidus*, *Eugenia reinwardtiana*, *Hibiscus arnottianus*, *Metrosideros polymorpha*, *Myrsine lanaiensis*, *Nestegis sandwicensis*, *Pipturus albidus*, *Pisonia* sp., *Pittosporum* sp., *Pleomele* sp., *Psydrax odorata*, *Rauwolfia sandwicensis*, *Reynoldsia sandwicensis*, or *Sapindus oahuensis*; and

(ii) Elevations between 215 and 725 m (705 and 2,378 ft).

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

(i) Oahu 1—*Hibiscus brackenridgei*—a and Oahu 4—*Hibiscus brackenridgei*—b, identified in the legal descriptions in paragraph (i) of this section, constitute critical habitat for *Hibiscus brackenridgei* ssp. *mokuleianus* on Oahu. Within these units, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

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

(B) Elevations between 32 to 490 m (105 to 1,607 ft).

(ii) Oahu 5—*Hibiscus brackenridgei*—c, identified in the legal description in paragraph (i) of this section, constitutes critical habitat for *Hibiscus brackenridgei* ssp. *molokaiana* on Oahu. Within this unit, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

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

(B) Elevations between 32 to 490 m (105 to 1,607 ft).

Family Myrsinaceae: *Myrsine juddii* (kolea)

Oahu 20—*Myrsine juddii*—a, identified in the legal description in paragraph (i) of this section, constitutes critical habitat for *Myrsine juddii* on Oahu. Within this unit, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

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

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

Family Myrtaceae: *Eugenia koolauensis* (nioi)

Oahu 4—*Eugenia koolauensis*—a, Oahu 19—*Eugenia koolauensis*—b, and Oahu 20—*Eugenia koolauensis*—c, identified in the legal descriptions in paragraph (i) of this section, constitute critical habitat for *Eugenia koolauensis* on Oahu. 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 to steep slopes or ridges in mesic or dry forests dominated by *Metrosideros polymorpha* or *Diospyros* sp. and containing one or more of the following associated native plant species: *Alyxia oliviformis*, *Bobea elatior*, *Carex meyenii*, *Dicranopteris linearis*, *Leptecophylla tameiameiae*, *Myrsine lessertiana*, *Nestegis sandwicensis*, *Pleomele halapepe*, *Pouteria sandwicensis*, *Psyrax odorata*, or *Rauwolfia sandwicensis*; and

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

Family Orchidaceae: *Platanthera holochila* (NCN)

Oahu 20—*Platanthera holochila*—a and Oahu 20—*Platanthera holochila*—b, identified in the legal descriptions in paragraph (i) of this section, constitute critical habitat for *Platanthera holochila* on Oahu. 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* wet forest or *Metrosideros polymorpha* mixed shrubland and containing one or more of the following associated native plant species: *Broussaisia arguta*, *Cibotium* sp., *Clermontia* sp., *Coprosma* sp., *Dubautia* sp., *Gahnia* sp., *Leptecophylla tameiameiae*, *Luzula hawaiiensis*, *Lycopodiella cernua*, *Lythrum maritimum*, *Polypodium pellucidum*, *Sadleria* sp., *Scaevola* sp., *Vaccinium reticulatum*, or *Wikstroemia* sp.; and

(ii) Elevations between 448 and 848 m (1,469 and 2,781 ft).

Family Plantaginaceae: *Plantago princeps* (laukahi kuahiwi)

(i) Oahu 20—*Plantago princeps*—d and Oahu 20—*Plantago princeps*—e, identified in the legal descriptions in paragraph (i) of this section, constitute critical habitat for *Plantago princeps* var. *longibracteata* on Oahu. Within these units, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

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

(B) Elevations between 211 and 885 m (692 and 2,903 ft).

(ii) Oahu 4—*Plantago princeps*—a, Oahu 4—*Plantago princeps*—b, and Oahu 15—*Plantago princeps*—c, identified in the legal descriptions in paragraph (i) of this section, constitute critical habitat for *Plantago princeps* var. *princeps* on Oahu. Within these units, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

(A) Slopes or ledges in *Metrosideros polymorpha* lowland mesic forests or shrublands and containing one or more of the following associated native plant species: *Artemisia australis*, *Bidens* sp., *Chamaesyce* sp., *Dubautia plantaginea*, *Eragrostis* sp., *Lysimachia* sp., *Pilea peploides*, or *Viola* sp.; and

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

Family Poaceae: *Cenchrus agrimonioides* (kamanomano)

Oahu 4—*Cenchrus agrimonioides*—a, Oahu 4—*Cenchrus agrimonioides*—b, Oahu 15—*Cenchrus agrimonioides*—c, and Oahu 15—*Cenchrus agrimonioides*—d, identified in the legal descriptions in paragraph (i) of this section, constitute critical habitat for *Cenchrus agrimonioides* var. *agrimonioides* on Oahu. 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 ridges, upper slopes, or ridges in lowland mixed mesic forest and containing one or more of the following associated native plant species: *Acacia koa*, *Alyxia oliviformis*, *Bobea* sp., *Carex wahuensis*, *Chamaesyce multiformis*, *Coprosma foliosa*, *Diospyros sandwicensis*, *Eragrostis variabilis*, *Gahnia bechevi*, *Leptecophylla tameiameiae*, *Metrosideros polymorpha*, *Nestegis sandwicensis*, *Psychotria* sp., or *Psyrax odorata*; and

(ii) Elevations between 357 and 874 m (1,171 and 2,867 ft).

Family Poaceae: *Eragrostis fosbergii* (Fosberg's love grass)

Oahu 4—*Eragrostis fosbergii*—a, identified in the legal description in paragraph (i) of this section, constitutes critical habitat for *Eragrostis fosbergii* on Oahu. Within this unit, the currently known primary constituent elements of

critical habitat include, but are not limited to, the habitat components provided by:

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

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

Family Primulaceae: *Lysimachia filifolia* (NCN)

Oahu 20—*Lysimachia filifolia*—a, identified in the legal description in paragraph (i) of this section, constitutes critical habitat for *Lysimachia filifolia* on Oahu. Within this unit, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

(i) Mossy banks at the base of cliff faces within the spray zone of waterfalls or along streams in lowland wet forests and containing one or more of the following associated native plant species: Mosses, ferns, liverworts, or *Pilea peploides*; and

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

Family Rhamnaceae: *Colubrina oppositifolia* (kauila)

Oahu 4—*Colubrina oppositifolia*—a, identified in the legal description in paragraph (i) of this section, constitutes critical habitat for *Colubrina oppositifolia* on Oahu. Within this unit, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

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

(ii) Elevations between 255 and 761 m (909 and 2,496 ft).

Family Rhamnaceae: *Gouania meyenii* (NCN)

Oahu 4—*Gouania meyenii*—a, Oahu 4—*Gouania meyenii*—b, Oahu 15—*Gouania meyenii*—c, and Oahu 31—*Gouania meyenii*—d, identified in the legal descriptions in paragraph (i) of this section, constitute critical habitat for *Gouania meyenii* on Oahu. Within these units, the currently known primary

constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

(i) Moderate to steep slopes in dry shrubland or mesic lowland forest and containing one or more of the following associated native plant species: *Alyxia oliviformis*, *Bidens* sp., *Canavalia* sp., *Carex meyenii*, *Chamaesyce* sp., *Charpentiera* sp., *Diospyros sandwicensis*, *Diospyros* sp., *Dodonaea viscosa*, *Dryopteris unidentata*, *Dubautia sherffiana*, *Eragrostis* sp., *Hedyotis* sp., *Hibiscus* sp., *Lysimachia* sp., *Melicope* sp., *Myrsine* sp., *Nestegis sandwicensis*, *Pisonia* sp., *Psychotria* sp., *Psydrax odorata*, *Sapindus oahuensis*, *Schiedea* sp., *Senna gaudichaudii*, *Sida fallax*, or *Sophora chrysophylla*; and

(ii) Elevations between 468 to 916 m (1,535 to 3,004 ft).

Family Rhamnaceae: *Gouania vitifoliae* (NCN)

Oahu 2—*Gouania vitifolia*—a, Oahu 3—*Gouania vitifolia*—b, Oahu 5—*Gouania vitifolia*—c, Oahu 4—*Gouania vitifolia*—d, Oahu 4—*Gouania vitifolia*—e, Oahu 4—*Gouania vitifolia*—f, Oahu 4—*Gouania vitifolia*—g, and Oahu 8—*Gouania vitifolia*—h, identified in the legal descriptions in paragraph (i) of this section, constitute critical habitat for *Gouania vitifolia* on Oahu. 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 ridges or gulches in dry to mesic forests and containing one or more of the following associated native plant species: *Bidens* sp., *Carex meyenii*, *Chamaesyce* sp., *Diospyros sandwicensis*, *Dodonaea viscosa*, *Erythrina sandwicensis*, *Hedyotis* sp., *Hibiscus arnottianus*, *Melicope* sp., *Nestegis sandwicensis*, *Pipturus albidus*, *Psychotria* sp., or *Urena glabra*; and

(ii) Elevations between 50 to 944 m (164 to 3,096 ft).

Family Rubiaceae: *Gardenia manni* (nanu)

Oahu 15—*Gardenia manni*—a, Oahu 20—*Gardenia manni*—b, and Oahu 20—*Gardenia manni*—c, identified in the legal descriptions in paragraph (i) of this section, constitute critical habitat for *Gardenia manni* on Oahu. Within these units, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

(i) Moderate to moderately steep gulch slopes, ridge crests, gulch bottoms, and stream banks in mesic or wet forests and containing one or more

of the following associated native plant species: *Acacia koa*, *Alyxia oliviformis*, *Antidesma platyphyllum*, *Bobea* sp., *Boehmeria grandis*, *Broussaisia arguta*, *Cheirodendron* sp., *Cibotium* sp., *Coprosma foliosa*, *Dicranopteris linearis*, *Elaeocarpus* sp., *Freycinetia arborea*, *Hedyotis acuminata*, *Ilex anomala*, *Melicope* sp., *Metrosideros polymorpha*, *Perrottetia* sp., *Pipturus* sp., *Pisonia* sp., *Pouteria sandwicensis*, *Psychotria mariniana*, *Syzygium sandwicensis*, or *Thelypteris* sp.; and

(ii) Elevations between 239 and 1,050 m (784 and 3,444 ft).

Family Rubiaceae: *Hedyotis coriacea* (kioele)

Oahu 15—*Hedyotis coriacea*—a and Oahu 35—*Hedyotis coriacea*—b, identified in the legal descriptions in paragraph (i) of this section, constitute critical habitat for *Hedyotis coriacea* on Oahu. 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 to mesic *Dodonaea viscosa* dominated shrublands or forests and containing one or more of the following associated native plant species: *Alyxia oliviformis*, *Leptecophylla tameiameia*, or *Metrosideros polymorpha*; and

(ii) Elevations between 78 and 836 m (256 and 2,742 ft).

Family Rubiaceae: *Hedyotis degeneri* (NCN)

Oahu 4—*Hedyotis degeneri*—a and Oahu 4—*Hedyotis degeneri*—b, identified in the legal descriptions in paragraph (i) of this section, constitute critical habitat for *Hedyotis degeneri* on Oahu. Within these units, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

(i) Ridge crests in diverse mesic forest and containing one or more of the following associated native plant species: *Alyxia oliviformis*, *Carex meyenii*, *Chamaesyce multiflora*, *Cocculus* sp., *Dicranopteris linearis*, *Diospyros sandwicensis*, *Dodonaea viscosa*, *Gahnia* sp., *Hedyotis terminalis*, *Leptecophylla tameiameia*, *Lysimachia hillebrandii*, *Lobelia yuccoides*, *Metrosideros polymorpha*, *Pleomele* sp., *Psydrax odorata*, *Psychotria hathewayi*, or *Wikstroemia oahuensis*; and

(ii) Elevations between 360 and 1,083 m (1,181 and 3,552 ft).

Family Rubiaceae: *Hedyotis parvula* (NCN)

Oahu 4—*Hedyotis parvula*—a, Oahu 15—*Hedyotis parvula*—b, Oahu 15—*Hedyotis parvula*—c, and Oahu 15—*Hedyotis parvula*—d, identified in the legal descriptions in paragraph (i) of this section, constitute critical habitat for *Hedyotis parvula* on Oahu. Within these units, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

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

(ii) Elevations between 427 and 1,165 m (1,401 and 3,821 ft).

Family Rutaceae: *Melicope lydgatei* (alani)

Oahu 20—*Melicope lydgatei*—a, identified in the legal description in paragraph (i) of this section, constitutes critical habitat for *Melicope lydgatei* on Oahu. Within this unit, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

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

(ii) Elevations between 101 and 671 m (331 and 2,201 ft).

Family Rutaceae: *Melicope pallida* (alani)

Oahu 4—*Melicope pallida*—a, Oahu 15—*Melicope pallida*—b, Oahu 15—*Melicope pallida*—c, Oahu 15—*Melicope pallida*—d, and Oahu 15—*Melicope pallida*—e, identified in the legal descriptions in paragraph (i) of this section, constitute critical habitat for *Melicope pallida* on Oahu. Within these units, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

(i) Steep rock faces in lowland dry or mesic forests containing one or more of the following associated native plant species: *Abutilon sandwicense*, *Acacia koa*, *Alyxia oliviformis*, *Bobea elatior*, *Cibotium* sp., *Dryopteris* sp., *Metrosideros polymorpha*, *Pipturus albidus*, *Psychotria mariniana*,

Sapindus oahuensis, *Syzygium sandwicensis*, *Tetraplasandra* sp., *Wikstroemia oahuensis*, or *Xylosma hawaiiense*; and

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

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

Oahu 15—*Melicope saint-johnii*—a and Oahu 15—*Melicope saint-johnii*—b, identified in the legal descriptions in paragraph (i) of this section, constitute critical habitat for *Melicope saint-johnii* on Oahu. Within these units, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

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

(ii) Elevations between 494 and 943 m (1,620 and 3,093 ft).

Family Sapindaceae: *Alectryon macrococcus* (mahoe)

Oahu 4—*Alectryon macrococcus*—a and Oahu 15—*Alectryon macrococcus*—b, identified in the legal descriptions in paragraph (i) of this section, constitute critical habitat for *Alectryon macrococcus* on Oahu. Within these units, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

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

(ii) Elevations between 476 and 820 m (1,561 and 2,690 ft).

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

Oahu 4—*Solanum sandwicense*—a, Oahu 15—*Solanum sandwicense*—b, and Oahu 15—*Solanum sandwicense*—c, identified in the legal descriptions in paragraph (i) of this section, constitute critical habitat for *Solanum sandwicense* on Oahu. Within these units, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

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

(ii) Elevations between 471 and 1,006 m (1,545 and 3,300 ft).

Family Urticaceae: *Neraudia angulata* (NCN)

(i) Oahu 3—*Neraudia angulata*—a, Oahu 4—*Neraudia angulata*—b, Oahu 4—*Neraudia angulata*—c, Oahu 4—*Neraudia angulata*—d, Oahu 4—*Neraudia angulata*—e, and Oahu 15—*Neraudia angulata*—f, identified in the legal descriptions in paragraph (i) of this section, constitute critical habitat for *Neraudia angulata* var. *angulata* on Oahu. Within these units, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

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

(B) Elevations between 134 and 881 m (440 and 2,890 ft).

(ii) Oahu 3—*Neraudia angulata*—a, Oahu 4—*Neraudia angulata*—b, Oahu 4—*Neraudia angulata*—c, Oahu 4—*Neraudia angulata*—d, Oahu 4—*Neraudia angulata*—e, and Oahu 15—*Neraudia angulata*—f, identified in the legal descriptions in paragraph (i) of this section, constitute critical habitat for *Neraudia angulata* var. *dentata* on Oahu. Within these units, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

(A) Cliffs, rock embankments, gulches, or slopes in mesic or dry forests containing one or more of the following associated native plant species: *Alyxia oliviformis*, *Antidesma pulvinatum*, *Artemisia australis*, *Bidens torta*,

Canavalia sp., *Carex* sp., *Charpentiera* sp., *Diospyros hillebrandii*, *Diospyros sandwicensis*, *Dodonaea viscosa*, *Eragrostis* sp., *Hibiscus* sp., *Metrosideros polymorpha*, *Myrsine lanaiensis*, *Nestegis sandwicensis*, *Pisonia* sp., *Psydrax odorata*, *Rauvolfia sandwicensis*, *Sapindus oahuensis*, *Sida fallax*, or *Streblus pendulinus*; and

(B) Elevations between 134 and 881 m (440 and 2,890 ft).

Family Urticaceae: *Urera kaalae* (opuhe)

Oahu 4—*Urera kaalae*—a, Oahu 4—*Urera kaalae*—b, Oahu 15—*Urera kaalae*—c, Oahu 15—*Urera kaalae*—d, Oahu 15—*Urera kaalae*—e, and Oahu 15—*Urera kaalae*—f, identified in the legal descriptions in paragraph (i) of this section, constitute critical habitat for *Urera kaalae* on Oahu. Within these units, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

(i) Slopes or gulches in diverse mesic forest containing one or more of the following associated native plant species: *Alyxia oliviformis*, *Antidesma platyphyllum*, *Asplenium kaulfusii*, *Athyrium* sp., *Canavalia* sp., *Chamaesyce* sp., *Charpentiera* sp., *Claoxylon sandwicense*, *Diospyros hillebrandii*, *Doryopteris* sp., *Freycinetia arborea*, *Hedyotis acuminata*, *Hibiscus* sp., *Nestegis sandwicensis*, *Pipturus albidus*, *Pleomele* sp., *Pouteria sandwicensis*, *Psychotria* sp., *Senna gaudichaudii*, *Streblus pendulinus*, *Urera glabra*, or *Xylosma hawaiiense*; and

(ii) Elevations between 439 and 995 m (1,440 and 3,264 ft).

Family Violaceae: *Isodendron laurifolium* (aupaka)

Oahu 4—*Isodendron laurifolium*—a, Oahu 4—*Isodendron laurifolium*—b, and Oahu 35—*Isodendron laurifolium*—c, identified in the legal descriptions in paragraph (i) of this section, constitute critical habitat for *Isodendron laurifolium* on Oahu. Within these units, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

(i) Gulch slopes, ravines, or ridges in diverse mesic or dry forest dominated by *Metrosideros polymorpha*, *Acacia koa*, *Eugenia reinwardtiana*, or *Diospyros sandwicensis* and containing one or more of the following associated native plant species: *Alyxia oliviformis*, *Antidesma platyphyllum*, *Antidesma pulvinatum*, *Carex wahuensis*, *Charpentiera tomentosa*, *Doodia* sp., *Dryopteris unidentata*, *Hedyotis*

terminalis, *Hibiscus arnottianus*, *Nestegis sandwicensis*, *Pisonia* sp., *Pouteria sandwicensis*, *Psydrax odorata*, *Rauvolfia sandwicensis*, *Sapindus* sp., *Smilax melastomifolia*, or *Xylosma hawaiiense*; and

(ii) Elevations between 180 and 959 m (590 and 3,146 ft).

Family Violaceae: *Isodendron longifolium* (aupaka)

Oahu 4—*Isodendron longifolium*—a and Oahu 20—*Isodendron longifolium*—b, identified in the legal descriptions in paragraph (i) of this section, constitute critical habitat for *Isodendron longifolium* on Oahu. 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 stream banks in mixed mesic or lowland wet *Metrosideros polymorpha*-*Dicranopteris linearis* forest containing one or more of the following associated native plant species: *Acacia koa*, *Alyxia oliviformis*, *Antidesma* sp., *Bobea brevipes*, *Carex* sp., *Cyanea* sp., *Cyrtandra* sp., *Hedyotis terminalis*, *Isachne pallens*, *Melicope* sp., *Peperomia* sp., *Perrottetia sandwicensis*, *Pittosporum* sp., *Pouteria sandwicensis*, *Psydrax odorata*, *Psychotria* sp., *Selaginella arbuscula*, or *Syzygium sandwicensis*; and

(ii) Elevations between 316 and 880 m (1,036 and 2,886 ft).

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

Oahu 5—*Isodendron pyrifolium*—a, Oahu 16—*Isodendron pyrifolium*—b, and Oahu 17—*Isodendron pyrifolium*—c, identified in the legal descriptions in paragraph (i) of this section, constitute critical habitat for *Isodendron pyrifolium* on Oahu. Within these units, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by bare rocky hills or wooded ravines in dry shrublands from 37 to 692 m (121 to 2,270 ft).

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

Oahu 4—*Viola chamissoniana* ssp. *chamissoniana*—a, Oahu 4—*Viola chamissoniana* ssp. *chamissoniana*—b, Oahu 4—*Viola chamissoniana* ssp. *chamissoniana*—c, Oahu 10—*Viola chamissoniana* ssp. *chamissoniana*—d, Oahu 15—*Viola chamissoniana* ssp. *chamissoniana*—e, and Oahu 15—*Viola chamissoniana* ssp. *chamissoniana*—f, identified in the legal descriptions in paragraph (i) of this section, constitute

critical habitat for *Viola chamissoniana* ssp. *chamissoniana* on Oahu. 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 cliffs, rocky ledges, or steep slopes in mesic shrubland or cliff vegetation and containing one or more of the following associated native plant species: *Artemisia australis*, *Bidens torta*, *Carex meyenii*, *Chamaesyce* sp., *Dodonaea viscosa*, *Dubautia* sp., *Eragrostis* sp., *Leptecophylla tameiameiae*, *Melanthera tenuis*, *Metrosideros polymorpha*, *Peperomia* sp., *Rumex* sp., *Schiedea* sp., or *Sida fallax*; and

(ii) Elevations between 468 and 1,149 m (1,535 and 3,769 ft).

Family Violaceae: *Viola oahuensis* (NCN)

Oahu 20—*Viola oahuensis*—a and Oahu 35—*Viola oahuensis*—b, identified in the legal descriptions in paragraph (i) of this section, constitute critical habitat for *Viola oahuensis* on Oahu. Within these units, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

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

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

(2) *Ferns and allies.*

Family Adiantaceae: *Pteris lidgatei* (NCN)

Oahu 20—*Pteris lidgatei*—a, Oahu 20—*Pteris lidgatei*—b, and Oahu 20—*Pteris lidgatei*—c, identified in the legal descriptions in paragraph (i) of this section, constitute critical habitat for *Pteris lidgatei* on Oahu. 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 or cliffs in wet *Metrosideros polymorpha*-*Dicranopteris linearis* forest containing one or more of the following associated native plant species: *Asplenium* sp., *Broussaisia arguta*, *Cibotium chamissoi*, *Cyrtandra*

sp., *Dicranopteris linearis*, *Diplopterygium pinnatum*, *Doodia lyonii*, *Dryopteris sandwicensis*, *Elaphoglossum crassifolium*, *Isachne pallens*, *Machaerina angustifolia*, *Sadleria* sp., *Sadleria squarrosa*, *Selaginella arbuscula*, or *Sphenomeris chinensis*; and

(ii) Elevations between 75 and 867 m (246 and 2,844 ft).

Family Aspleniaceae: *Ctenitis squamigera* (pauoa)

Oahu 4—*Ctenitis squamigera*—a, identified in the legal description in paragraph (i) of this section, constitutes critical habitat for *Ctenitis squamigera* on Oahu. 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 to steep slopes in *Metrosideros polymorpha*-*Diospyros sandwicensis* mesic forest or diverse mesic forest and containing one or more of the following associated native plant species: *Alyxia oliviformis*, *Carex meyenii*, *Diospyros hillebrandii*, *Dodonaea viscosa*, *Doodia kunthiana*, *Dryopteris unidentata*, *Freycinetia arborea*, *Hibiscus* sp., *Myrsine* sp., *Nestegis sandwicensis*, *Pisonia* sp., *Pouteria sandwicensis*, *Psychotria* sp., *Psydrax odorata*, or *Xylosma* sp.; and

(ii) Elevations between 413 to 923 m (1,355 to 3,027 ft).

Family Aspleniaceae: *Diellia erecta* (asplenium-leaved diellia)

Oahu 35—*Diellia erecta*—a, identified in the legal description in paragraph (i) of this section, constitutes critical habitat for *Diellia erecta* on Oahu. Within this unit, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

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

(ii) Elevations between 150 and 550 m (492 and 1,804 ft).

Family Aspleniaceae: *Diellia falcata* (NCN)

Oahu 4—*Diellia falcata*—a, Oahu 4—*Diellia falcata*—b, Oahu 15—*Diellia falcata*—c, and Oahu 15—*Diellia falcata*—d, identified in the legal descriptions in paragraph (i) of this section, constitute critical habitat for *Diellia falcata* on Oahu. Within these

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

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

(ii) Elevations between 394 and 932 m (1,292 and 3,057 ft).

Family Aspleniaceae: *Diellia unisora* (NCN)

Oahu 15—*Diellia unisora*—a, identified in the legal description in paragraph (i) of this section, constitutes critical habitat for *Diellia unisora* on Oahu. Within this unit, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

(i) Moderate to steep slopes or gulch bottoms in deep shade or open understory in mesic forest and containing one or more of the following associated native plant species: *Acacia koa*, *Alyxia oliviformis*, *Antidesma* sp., *Bidens torta*, *Carex meyenii*, *Chamaesyce multififormis*, *Coprosma* sp., *Dodonaea viscosa*, *Dryopteris unidentata*, *Eragrostis grandis*, *Hedyotis schlechtendahlana*, *Hedyotis terminalis*, *Metrosideros polymorpha*, *Myrsine lessertiana*, *Psychotria* sp., *Rumex* sp., or *Selaginella arbuscula*; and

(ii) Elevations between 489 and 943 m (1,604 and 3,093 ft).

Family Aspleniaceae: *Diplazium molokaiense* (NCN)

Oahu 4—*Diplazium molokaiense*—a, identified in the legal description in paragraph (i) of this section, constitutes critical habitat for *Diplazium molokaiense* on Oahu. Within this unit, the currently known primary constituent elements of critical habitat

include, but are not limited to, the habitat components provided by:

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

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

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

Oahu 20—*Adenophorus periens*—a, identified in the legal description in paragraph (i) of this section, constitutes critical habitat for *Adenophorus periens* on Oahu. Within this unit, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

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

(ii) Elevations between 309 to 867 m (1,014 to 2,844 ft).

Family Lycopodiaceae: *Phlegmariurus nutans* (wawaeiole)

Oahu 20—*Phlegmariurus nutans*—a, identified in the legal description in paragraph (i) of this section, constitutes critical habitat for *Phlegmariurus nutans* on Oahu. Within this unit, the currently known primary constituent elements of critical habitat include, but are not limited to, the habitat components provided by:

(i) Tree trunks, open ridges, forested slopes, or cliffs in *Metrosideros polymorpha* dominated wet forests, cliffs, or shrublands or mesic forests and containing one or more of the following associated native plant species: *Antidesma platyphyllum*, *Broussaisia arguta*, *Cyrtandra laxiflora*, *Dicranopteris linearis*, *Elaphoglossum* sp., *Hedyotis terminalis*, *Hibiscus* sp., *Machaerina angustifolia*, *Psychotria mariniana*, *Syzygium sandwicensis*, or *Wikstroemia oahuensis*; and

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

Family Marsileaceae: *Marsilea villosa* (ihi ihi)

Oahu 13—*Marsilea villosa*—a, Oahu 14—*Marsilea villosa*—b, Oahu 28—*Marsilea villosa*—c, Oahu 29—*Marsilea villosa*—d, and Oahu 36—*Marsilea villosa*—e, identified in the legal description in paragraph (i) of this section, constitute critical habitat for *Marsilea villosa* on Oahu. Within these units, the currently known primary constituent elements of critical habitat

include, but are not limited to, the habitat components provided by:

(i) Cinder craters, vernal pools surrounded by lowland dry forest

vegetation, mud flats, or lowland grasslands containing *Sida fallax*; and

(ii) Elevations between 1 and 89 m (3 and 292 ft).

Dated: April 30, 2003.

Craig Manson,

Assistant Secretary for Fish and Wildlife and Parks.

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