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CODE OF FEDERAL REGULATIONS

Title 50
Wildlife and Fisheries

Part 17 (§ 17.95(b))

Revised as of October 1, 2018

Containing a codification of documents
of general applicability and future effect

As of October 1, 2018

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Cite this Code: CFR

To cite the regulations in this volume use title, part and section number. Thus, 50 CFR 17.95 *refers to title 50, part 17, section 95.*

Explanation

The Code of Federal Regulations is a codification of the general and permanent rules published in the Federal Register by the Executive departments and agencies of the Federal Government. The Code is divided into 50 titles which represent broad areas subject to Federal regulation. Each title is divided into chapters which usually bear the name of the issuing agency. Each chapter is further subdivided into parts covering specific regulatory areas.

Each volume of the Code is revised at least once each calendar year and issued on a quarterly basis approximately as follows:

Title 1 through Title 16.....as of January 1
Title 17 through Title 27.....as of April 1
Title 28 through Title 41.....as of July 1
Title 42 through Title 50.....as of October 1

The appropriate revision date is printed on the cover of each volume.

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The contents of the Federal Register are required to be judicially noticed (44 U.S.C. 1507). The Code of Federal Regulations is prima facie evidence of the text of the original documents (44 U.S.C. 1510).

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The Code of Federal Regulations is kept up to date by the individual issues of the Federal Register. These two publications must be used together to determine the latest version of any given rule.

To determine whether a Code volume has been amended since its revision date (in this case, October 1, 2018), consult the ''List of CFR Sections Affected (LSA),'' which is issued monthly, and the ''Cumulative List of Parts Affected,'' which appears in the Reader Aids section of the daily Federal Register. These two lists will identify the Federal Register page number of the latest amendment of any given rule.

EFFECTIVE AND EXPIRATION DATES

Each volume of the Code contains amendments published in the Federal Register since the last revision of that volume of the Code. Source citations for the regulations are referred to by volume number and page number of the Federal Register and date of publication. Publication dates and effective dates are usually not the same and care must be exercised by the user in determining the actual effective date. In instances where the effective date is beyond the cut-off date for the Code a note has been inserted to reflect the future effective date. In those instances where a regulation published in the Federal Register states a date certain for expiration, an appropriate note will be inserted following the text.

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The Paperwork Reduction Act of 1980 (Pub. L. 96–511) requires Federal agencies to display an OMB control number with their information collection request.

Many agencies have begun publishing numerous OMB control numbers as amendments to existing regulations in the CFR. These OMB numbers are placed as close as possible to the applicable recordkeeping or reporting requirements.

PAST PROVISIONS OF THE CODE

Provisions of the Code that are no longer in force and effect as of the revision date stated on the cover of each volume are not carried. Code users may find the text of provisions in effect on any given date in the past by using the appropriate List of CFR Sections Affected (LSA). For the convenience of the reader, a ''List of CFR Sections Affected'' is published at the end of each CFR volume. For changes to the Code prior to the LSA listings at the end of the volume, consult previous annual editions of the LSA. For changes to the Code prior to 2001, consult the List of CFR Sections Affected compilations, published for 1949-1963, 1964-1972, 1973-1985, and 1986-2000.

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The term ''[Reserved]'' is used as a place holder within the Code of Federal Regulations. An agency may add regulatory information at a ''[Reserved]'' location at any time. Occasionally ''[Reserved]'' is used editorially to indicate that a portion of the CFR was left vacant and not accidentally dropped due to a printing or computer error.

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What is incorporation by reference? Incorporation by reference was established by statute and allows Federal agencies to meet the requirement to publish regulations in the Federal Register by referring to materials already published elsewhere. For an incorporation to be valid, the Director of the Federal Register must approve it. The legal effect of incorporation by reference is that the material is treated as if it were published in full in the Federal Register (5 U.S.C. 552(a)). This material, like any other properly issued regulation, has the force of law.

What is a proper incorporation by reference? The Director of the Federal Register will approve an incorporation by reference only when the requirements of 1 CFR part 51 are met. Some of the elements on which approval is based are:

(a) The incorporation will substantially reduce the volume of material published in the Federal Register.

(b) The matter incorporated is in fact available to the extent necessary to afford fairness and uniformity in the administrative process.

(c) The incorporating document is drafted and submitted for publication in accordance with 1 CFR part 51.

What if the material incorporated by reference cannot be found? If you have any problem locating or obtaining a copy of material listed as an approved incorporation by reference, please contact the agency that issued the regulation containing that incorporation. If, after contacting the agency, you find the material is not available, please notify the Director of the Federal Register, National Archives and Records Administration, 8601 Adelphi Road, College Park, MD 20740-6001, or call 202-741-6010.

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A subject index to the Code of Federal Regulations is contained in a separate volume, revised annually as of January 1, entitled CFR INDEX AND FINDING AIDS. This volume contains the Parallel Table of Authorities and Rules. A list of CFR titles, chapters, subchapters, and parts and an alphabetical list of agencies publishing in the CFR are also included in this volume.

An index to the text of ''Title 3—The President'' is carried within that volume.

The Federal Register Index is issued monthly in cumulative form. This index is based on a consolidation of the ''Contents'' entries in the daily Federal Register.

A List of CFR Sections Affected (LSA) is published monthly, keyed to the revision dates of the 50 CFR titles.

REPUBLICATION OF MATERIAL

There are no restrictions on the republication of material appearing in the Code of Federal Regulations.

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The e-CFR is a regularly updated, unofficial editorial compilation of CFR material and Federal Register amendments, produced by the Office of the Federal Register and the Government Publishing Office. It is available at *www.ecfr.gov*.

OLIVER A. POTTS,
Director,
Office of the Federal Register
October 1, 2018

THIS TITLE

Title 50—FISH AND WILDLIFE is composed of thirteen volumes. The parts in these volumes are arranged in the following order: Parts 1–16; part 17 (17.1 to 17.95(a)), part 17 (17.95(b)), part 17 (17.95(c) to (e)), part 17 (17.95(f) to end of 17.95), part 17 (17.96 to 17.98), part 17 (17.99(a) to 17.99(h)), part 17 (17.99(i) to end of part 17), parts 18–199, parts 200–227, parts 228–599, parts 600–659, and part 660 to end. The first nine volumes consist of parts 1–16, part 17 (17.1 to 17.95(a)), part 17 (17.95(b)), part 17 (17.95(c) to (e)), part 17 (17.95(f) to end of 17.95), part 17 (17.96 to 17.98), part 17 (17.99(a) to 17.99(h)), part 17 (17.99(i) to end of part 17), and parts 18–199 and contain the current regulations issued under chapter I—United States Fish and Wildlife Service, Department of the Interior. The tenth volume (parts 200-227) contains the current regulations issued under chapter II--the National Marine Fisheries Service, National Oceanic and Atmospheric Administration. The eleventh volume (parts 228–599) contains the remaining current regulations issued under chapter II—National Marine Fisheries Service, National Oceanic and Atmospheric Administration, Department of Commerce; and the current regulations issued under chapter III—International Fishing and Related Activities, chapter IV—Joint Regulations (United States Fish and Wildlife Service, Department of the Interior and National Marine Fisheries Service, National Oceanic and Atmospheric Administration, Department of Commerce); Endangered Species Committee regulations; and chapter V—Marine Mammal Commission. The twelfth and thirteenth volumes (parts 600–659 and part 660 to end) contain the current regulations issued under chapter VI—Fishery Conservation and Management, National Oceanic and Atmospheric Administration, Department of Commerce. The contents of these volumes represent all current regulations codified under this title of the CFR as of October 1, 2018.

Alphabetical listings of endangered and threatened wildlife and plants appear in §§ 17.11 and 17.12.

The OMB control numbers for the National Oceanic and Atmospheric Administration appear in 15 CFR 902.1.

For this volume, Gabrielle E. Burns was Chief Editor. The Code of Federal Regulations publication program is under the direction of John Hyrum Martinez, assisted by Stephen J. Frattini.

Title 50—Wildlife and Fisheries

(This book contains part 17, §17.95(b))

Part

CHAPTER I—United States Fish and Wildlife Service, Department of the Interior (Continued) 17

CHAPTER I—UNITED STATES FISH AND WILDLIFE SERVICE, DEPARTMENT OF THE INTERIOR (CONTINUED)

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SUBCHAPTER B—TAKING, POSSESSION, TRANSPORTATION, SALE, PURCHASE, BARTER, EXPORTATION, AND IMPORTATION OF WILDLIFE AND PLANTS (CONTINUED)

PART 17—ENDANGERED AND THREATENED WILDLIFE AND PLANTS (CONTINUED)

Subpart I—Interagency Cooperation (Continued)

Sec.

17.95 Critical habitat—fish and wildlife. (Continued)

AUTHORITY: 16 U.S.C. 1361–1407; 16 U.S.C. 1531–1544; 16 U.S.C. 4201–4245; Pub. L. 99–625, 100 Stat. 3500; unless otherwise noted.

SOURCE: 40 FR 44415, Sept. 26, 1975, unless otherwise noted.

Subpart I—Interagency Cooperation (Continued)

EDITORIAL NOTE: Paragraph (a) of §17.95 appears in 50 Part 17, §§17.1 to 17.95(a).

§17.95 Critical habitat—fish and wildlife. (Continued)

(b) *Birds.*

AKEKEE (*Loxops caeruleirostris*)

(1) Critical habitat units are depicted for Kauai County, Hawaii, on the maps below. The maps provided are for informational purposes only.

(2) Primary constituent elements.

(i) In units 1, 2, and 3, the primary constituent elements of critical habitat for Akekee (*Loxops caeruleirostris*) are:

(A) Elevation: 3,000 to 5,243 ft (914 to 1,598 m).

(B) Annual precipitation: 50 to 75 inches (127 to 190 centimeters).

(C) Substrate: Weathered aa lava flows, rocky mucks, thin silty loams, deep volcanic ash soils.

(D) Canopy: *Acacia, Metrosideros, Psychotria, Tetraplasandra, Zanthoxylum.*

(E) Subcanopy: *Cheirodendron, Coprosma, Kadua, Ilex, Myoporum, Myrsine.*

(F) Understory: *Bidens, Dryopteris, Leptecophylla, Poa, Scaevola, Sophora.*

(G) Arthropod prey.

(ii) In units 4, 5, and 6, the primary constituent elements of critical habitat for Akekee (*Loxops caeruleirostris*) are:

(A) Elevation: 3,000 to 5,243 ft (914 to 1,598 m).

(B) Annual precipitation: Greater than 75 inches (190 centimeters).

(C) Substrate: Well-developed soils, montane bogs.

(D) Canopy: *Acacia, Charpentiera, Cheirodendron, Metrosideros.*

(E) Subcanopy: *Broussaisia, Cibotium, Eurya, Ilex, Myrsine.*

(F) Understory: Ferns, *Carex, Coprosma, Leptecophylla, Oreobolus, Rhynchospora, Vaccinium.*

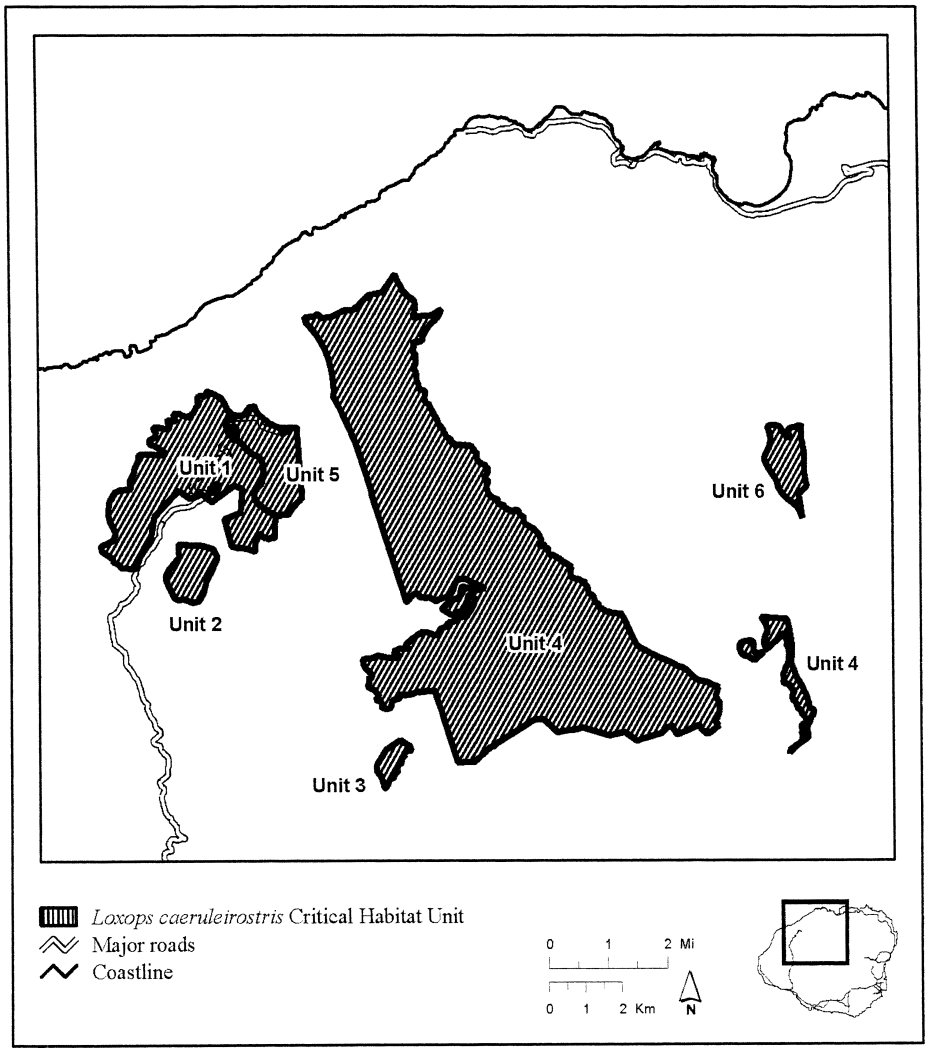
(G) Arthropod prey.

(3) Manmade features and structures, such as buildings, roads, railroads, airports, runways, other paved areas, lawns, and other urban landscaped areas, existing on the effective date of this rule do not contain one or more of the primary constituent elements.

(4) Critical habitat maps. Maps were created in GIS, with coordinates in UTM Zone 4, units in meters using North American datum of 1983 (NAD 83).

(5) Index map of critical habitat units for Akekee (*Loxops caeruleirostris*) follows:

Map 1
Loxops caeruleirostris–Index Map

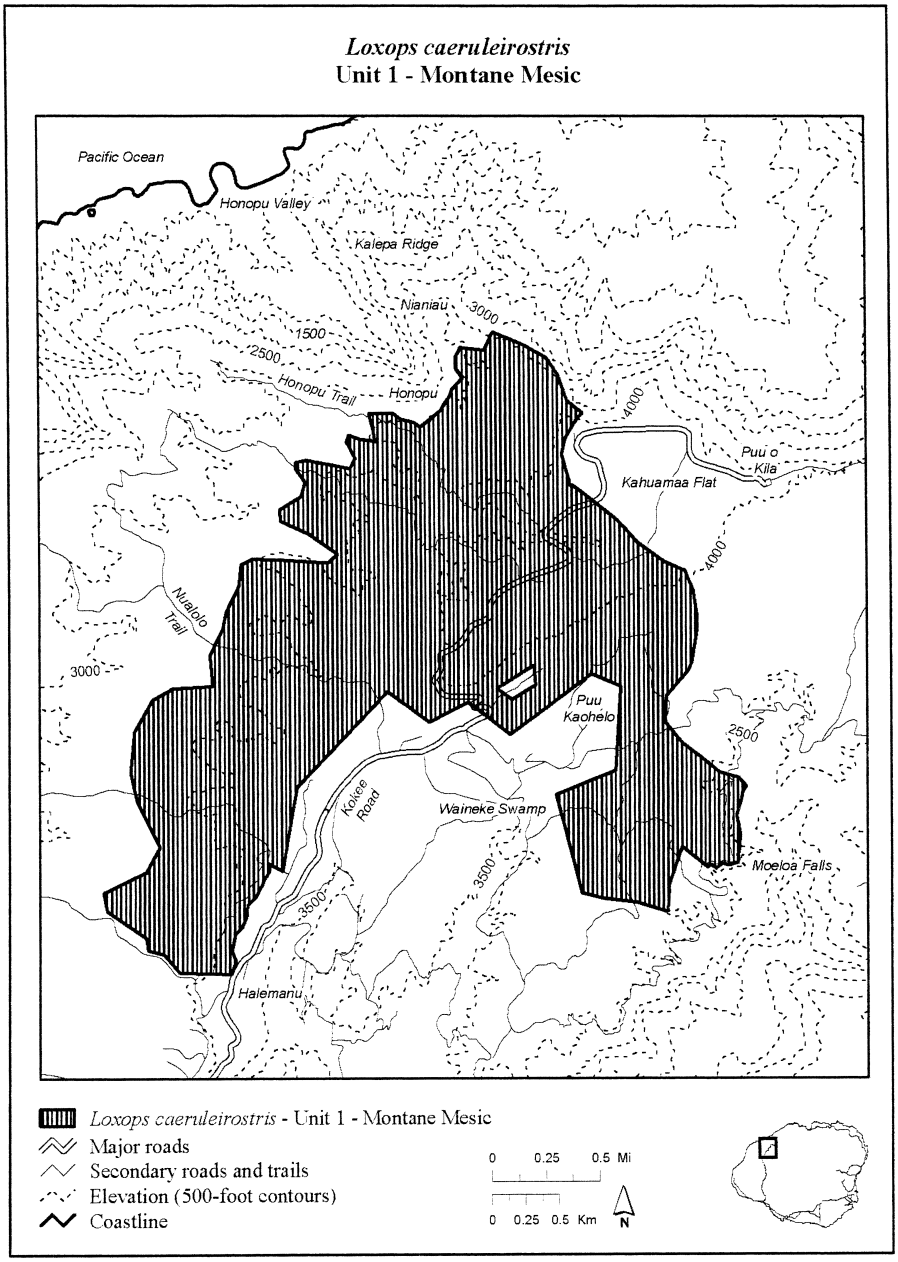


(6) Unit 1–Montane Mesic, Kauai County, Hawaii.

(i) Unit 1–Montane Mesic consists of 2,422.6 ac (980.4 ha) and includes land bounded by the following UTM Zone 4, NAD 83 coordinates (E, N): 430107, 2447429; 430242, 2447664; 430073, 2447126; 430793, 2448310; 430124, 2446907; 430393, 2447748; 430690, 2447765; 430671, 2447997; 430764, 2448188; 430886, 2448507; 430903, 2448664; 430985, 2448705; 431560, 2448675; 431414, 2448890; 430291, 2446570; 431058, 2446300; 431200, 2449070; 431362, 2449169; 431171, 2448699; 430854, 2445930; 432530, 2450196; 431391, 2449273; 431323, 2447013; 431211, 2446394; 431101, 2446447; 431112, 2446394; 431069, 2446331; 431007, 2446203; 430944, 2446145; 430902, 2445976; 430191, 2446386; 430826, 2445805; 430857, 2445727; 430824, 2445631; 430442, 2445640; 430323, 2445779; 430204, 2445809; 430191, 2445898; 429898, 2446100; 429871, 2446234; 430939, 2446061; 432796, 2450365; 432504, 2449961; 432579, 2450036;

432552, 2450080; 432551, 2450083; 432001, 2447726; 432534, 2450174; 431629, 2448739; 432565, 2450262; 432531, 2450116; 432740, 2450249; 432441, 2449848; 432808, 2450383; 432882, 2450351; 432904, 2450341; 432827, 2447751; 432932, 2447668; 433014, 2447717; 433109, 2447775; 433094, 2447922; 432560, 2450267; 431875, 2449780; 431322, 2449418; 431403, 2449436; 431727, 2449372; 431769, 2449447; 431705, 2449569; 431720, 2449620; 431805, 2449591; 431919, 2449578; 432498, 2449952; 431904, 2449665; 432486, 2449909; 432046, 2449781; 432052, 2449783; 432113, 2449740; 432217, 2449712; 432251, 2449685; 432259, 2449679; 432344, 2449744; 432419, 2449806; 431322, 2449372; 431905, 2449660; 434486, 2447126; 434073, 2448685; 434228, 2448620; 434292, 2448479; 434318, 2448298; 434279, 2447951; 434163, 2447783; 434086, 2447693; 434073, 2447500; 434623, 2446526; 434357, 2447229; 433545, 2449136; 434627, 2447088; 434686, 2447020; 434682, 2447017; 434657, 2446977; 434652, 2446933; 434612, 2446807; 434641, 2446663; 434631, 2446528; 434202, 2447345; 433399, 2449709; 431205, 2448983; 432073, 2447674; 433046, 2450280; 433196, 2450196; 433287, 2450063; 433353, 2449880; 433467, 2449787; 433429, 2449741; 433880, 2448827; 433407, 2449708; 433725, 2448994; 433401, 2449697; 433339, 2449600; 433313, 2449484; 433339, 2449381; 433368, 2449293; 433368, 2449292; 433369, 2449255; 433389, 2449256; 434254, 2447886; 433408, 2449708; 433527, 2447856; 434086, 2446095; 433862, 2446165; 433606, 2446193; 433449, 2446235; 433397, 2446440; 433257, 2446958; 433577, 2447086; 433706, 2447138; 434090, 2446098; 433562, 2447841; 432639, 2447624; 432918, 2447407; 432672, 2447598; 434620, 2446512; 432609, 2447647; 434318, 2448182; 432195, 2447587; 432136, 2447629; 432133, 2447631; 432081, 2447668; 433746, 2447766; 434500, 2446448; 432320, 2447497; 434103, 2446297; 434618, 2446459; 434582, 2446443; 434558, 2446439; 434514, 2446449; 434471, 2446422; 434457, 2446416; 434447, 2446420; 434392, 2446421; 434423, 2446441; 434416, 2446441; 434625, 2446467; 434201, 2446573; 434403, 2446435; 434628, 2446479; 434400, 2446429; 434434, 2446428; 434386, 2446429; 434533, 2446441.

(ii) Map of Unit 1–Montane Mesic for Akekee (*Loxops caeruleirostris*) follows:

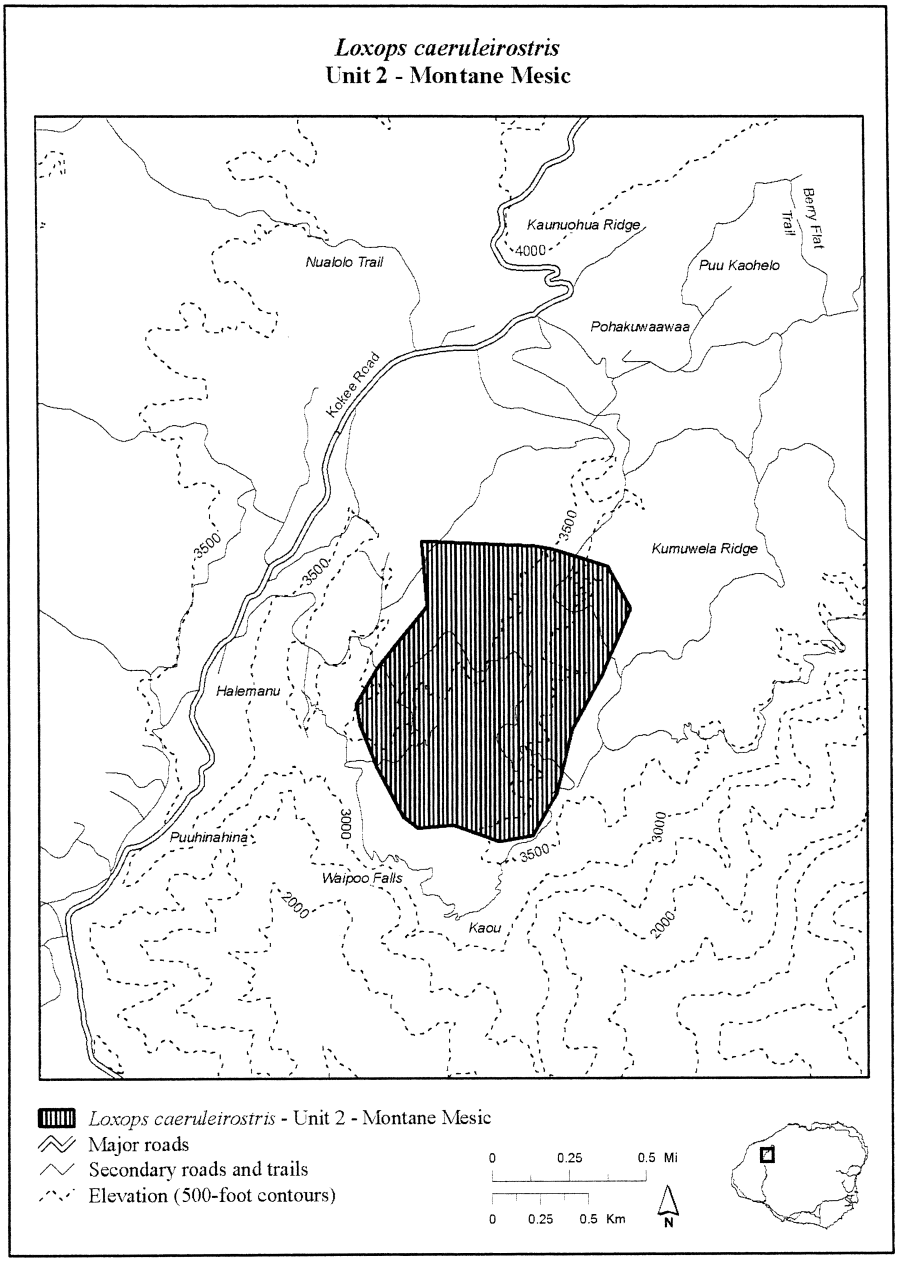


(7) Unit 2–Montane Mesic, Kauai County, Hawaii.

(i) Montane Mesic –Unit 2 consists of 375.6 ac (152.0 ha) and includes land bounded by the following UTM Zone 4, NAD 83 coordinates (E, N): 431975, 2446280; 432559, 2446255; 432659, 2446240; 432948, 2446150; 433067, 2445928; 432758, 2445304; 432001, 2445941; 431873, 2444849;

432912, 2445580; 432674, 2444970; 431626, 2445435; 431730, 2445114; 431950, 2444792; 432135, 2444807; 432377, 2444722; 432548, 2444752; 431645, 2445326; 431736, 2445617.

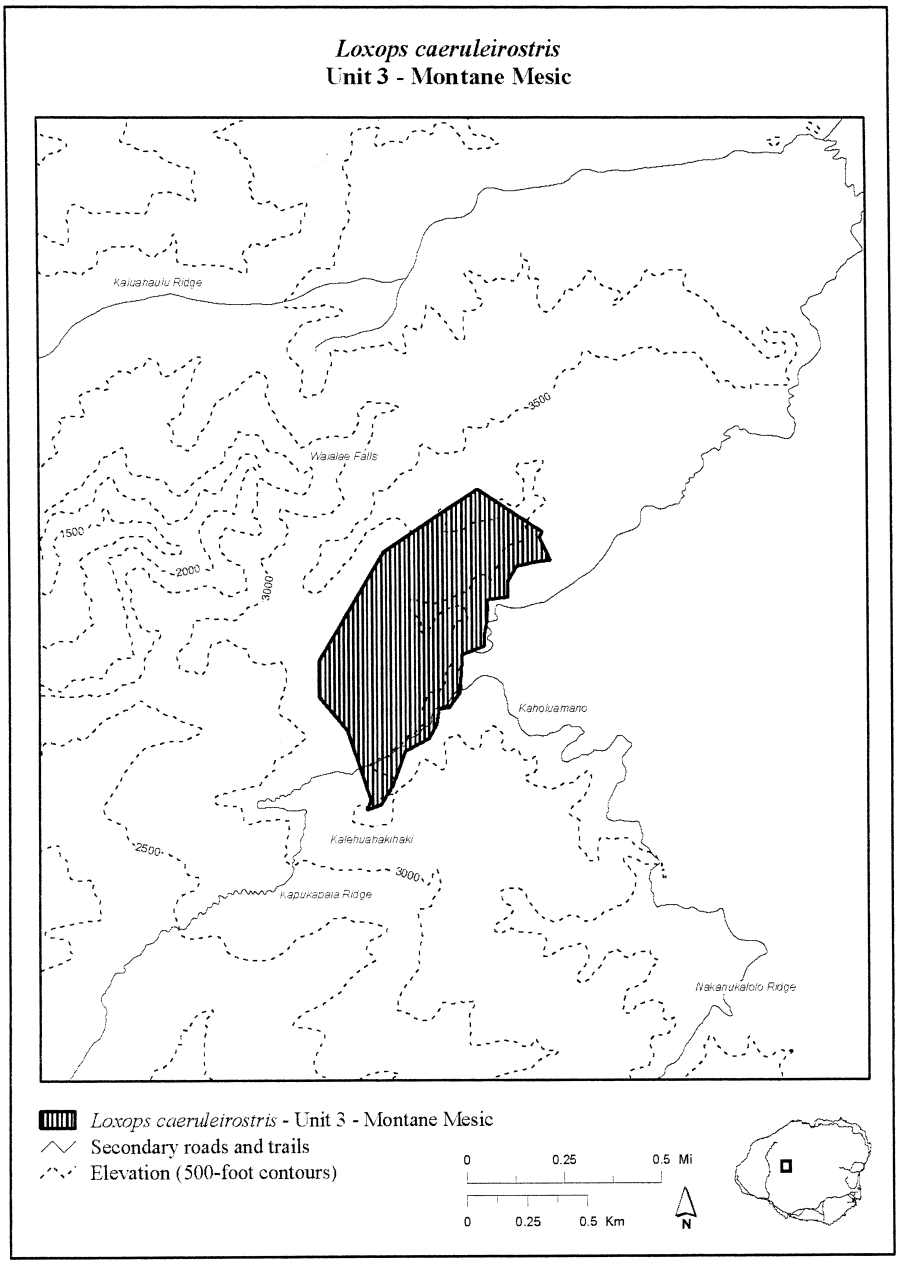
(ii) Map of Unit 2–Montane Mesic for Akekee (*Loxops caeruleirostris*) follows:



(8) Unit 3–Montane Mesic, Kauai County, Hawaii.

(i) Unit 3–Montane Mesic consists of 138.5 ac (56.0 ha) and includes land bounded by the following UTM Zone 4, NAD 83 coordinates (E, N): 438012, 2440389; 438014, 2440437; 438023, 2440484; 438111, 2440652; 438112, 2440588; 437817, 2440071; 438028, 2440577; 437922, 2440355; 437336, 2440335; 437912, 2440201; 437827, 2440132; 437785, 2440013; 437687, 2439960; 437636, 2439819; 437870, 2440140; 437545, 2439761; 438149, 2440714; 437529, 2439721; 437987, 2441027; 437450, 2440047; 437335, 2440180; 437335, 2440329; 438159, 2440914; 438249, 2440857; 438253, 2440854; 438243, 2440830; 438287, 2440738; 437602, 2440771; 438227, 2440730; 437586, 2439743.

(ii) Map of Unit 3–Montane Mesic for Akekee (*Loxops caeruleirostris*) follows:



(9) Unit 4–Montane Wet, Kauai County, Hawaii.

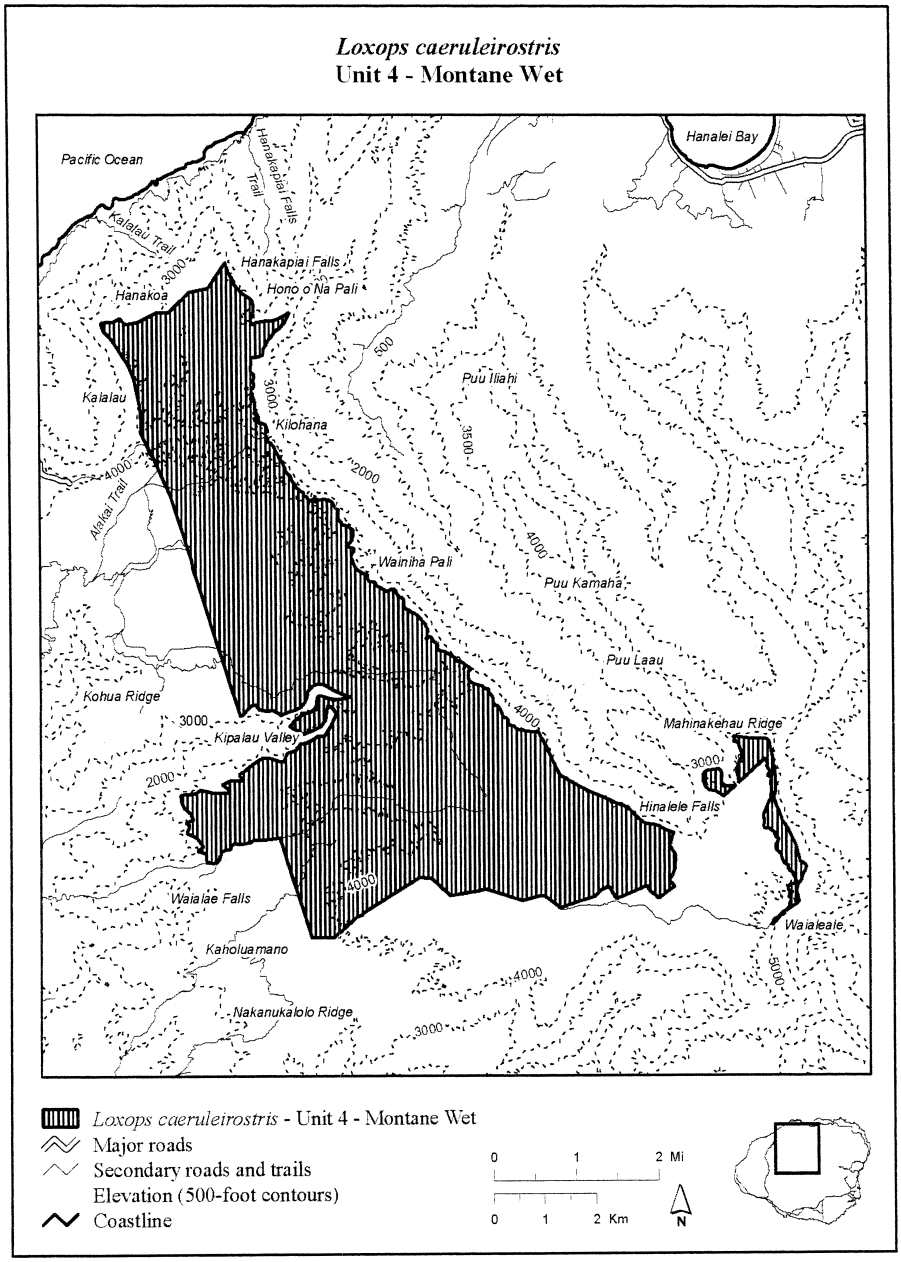
(i) Montane Wet–Unit 1 consists of 13,055.0 ac (5,283.2 ha) and includes land bounded by the following UTM Zone 4, NAD 83 coordinates (E,N): 448638, 2440764; 448601, 2440679; 448606, 2440704; 448612, 2440722; 448615, 2440731; 448619, 2440740; 448630, 2440759; 448650, 2440769;

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439171, 2452514; 439201, 2452565; 439114, 2452513; 438954, 2452430; 438851, 2452395; 438833, 2452090; 439061, 2452327; 439044, 2449631; 438944, 2449813; 439167, 2449414; 439146, 2449435; 439114, 2449463; 439102, 2449480; 439220, 2449318; 439065, 2449586; 439230, 2449287; 439037, 2449642; 439025, 2449671; 439016, 2449687; 438999, 2449702; 438974, 2449738; 438965, 2449767; 439076, 2449548; 439382, 2449107; 439508, 2448984; 439451, 2449000; 439437, 2449023; 438680, 2451783; 439433, 2449078; 439200, 2449362; 439399, 2449097; 439421, 2449088; 439361, 2449126; 439330, 2449145; 439307, 2449169; 439277, 2449220; 439260, 2449242; 439244, 2449261; 438425, 2451047; 438554, 2450559; 438737, 2450311; 438736, 2450325; 438731, 2450342; 438715, 2450373; 438690, 2450392; 438621, 2450415; 438732, 2450286; 438578, 2450438; 438501, 2450796; 438488, 2450686; 438472, 2450910; 438435, 2450985; 438427, 2450964; 438919, 2449853; 439437, 2449066; 438581, 2450423; 438816, 2450028; 438717, 2450241; 438894, 2449879; 438884, 2449918; 438904, 2449863; 438831, 2450010; 438850, 2449982; 438791, 2450036; 438765, 2450051; 438744, 2450081; 438730, 2450109; 438717, 2450158; 438716, 2450162; 438713, 2450206.

(ii) Map of Unit 4–Montane Wet for Akekee (*Loxops caeruleirostris*) follows:

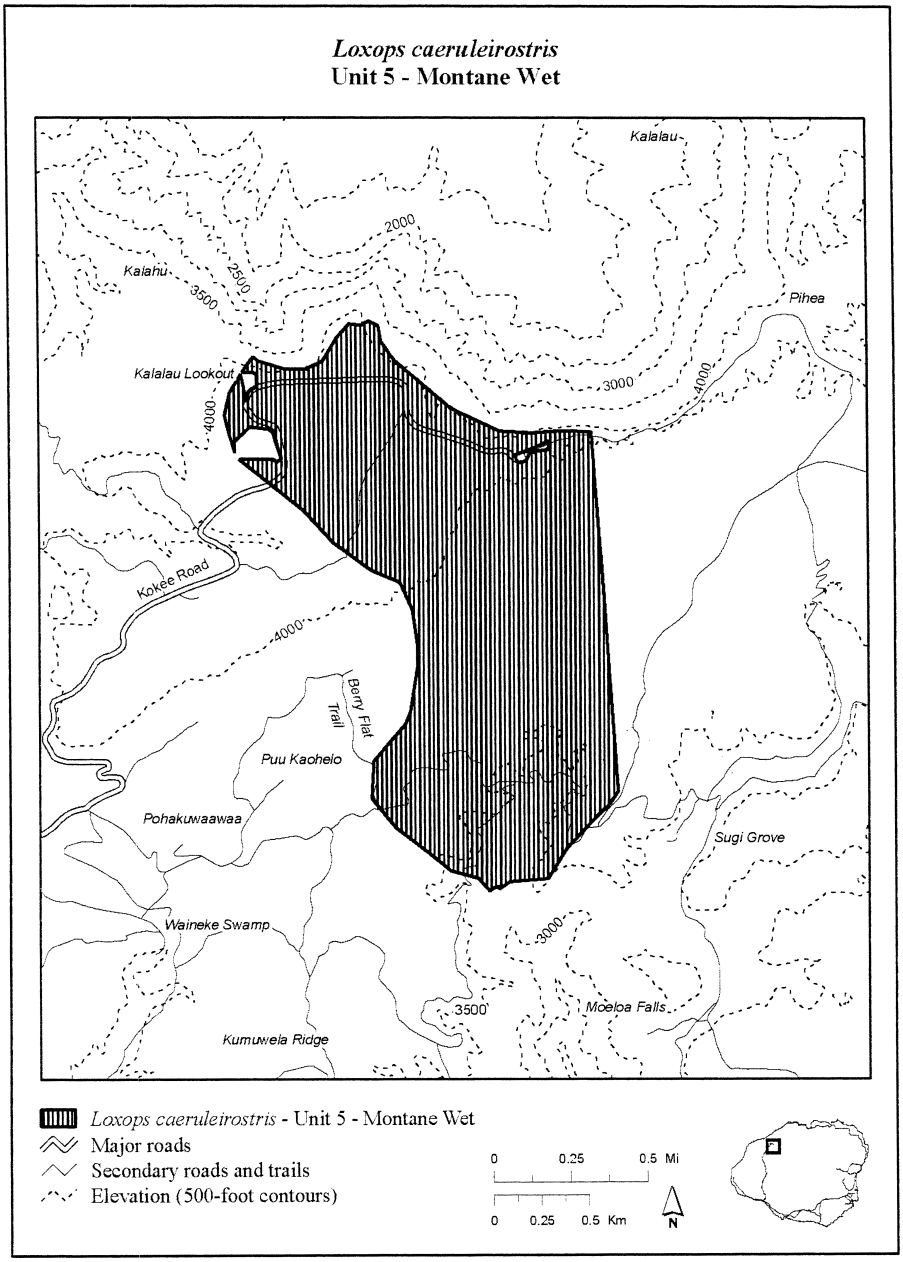


(10) Unit 5–Montane Wet, Kauai County, Hawaii.

(i) Unit 5–Montane Wet consists of 789.9 ac (319.7 ha) and includes land bounded by the following UTM Zone 4, NAD83 coordinates (E, N): 433436, 2449707; 433445, 2449707; 433444, 2449707; 433443, 2449707; 433458, 2449707; 433436, 2449707; 433426, 2449707; 433408, 2449708; 433429,

2449741; 433493, 2449765; 433633, 2449724; 433742, 2449724; 433467, 2449787; 433460, 2449707; 433468, 2449706; 433484, 2449694; 433414, 2449628; 433461, 2449623; 433457, 2449622; 433339, 2449600; 433440, 2449604; 433437, 2449592; 433426, 2449556; 433419, 2449599; 433831, 2449767; 434991, 2449344; 433401, 2449697; 433480, 2449629; 434938, 2449321; 433313, 2449484; 433455, 2449620; 434842, 2449253; 434839, 2449258; 434834, 2449277; 434833, 2449278; 434833, 2449278; 434833, 2449280; 434833, 2449281; 434872, 2449294; 434881, 2449297; 434884, 2449298; 435010, 2449343; 434899, 2449305; 433903, 2449882; 435011, 2449352; 435010, 2449343; 435005, 2449310; 434948, 2449300; 434908, 2449290; 434908, 2449290; 434890, 2449251; 434872, 2449246; 434848, 2449239; 434844, 2449248; 434034, 2449950; 434026, 2449951; 433969, 2449958; 434898, 2449304; 435183, 2449401; 434713, 2447038; 434738, 2447045; 434738, 2447030; 434795, 2447069; 434994, 2447085; 435093, 2447245; 435290, 2447449; 435295, 2447440; 435360, 2447538; 435282, 2448685; 435266, 2448909; 435236, 2449351; 434686, 2447020; 435232, 2449399; 435272, 2448835; 435080, 2449407; 434920, 2449394; 434752, 2449405; 434498, 2449522; 434338, 2449660; 434208, 2449767; 434141, 2449863; 434137, 2449869; 434124, 2449948; 434074, 2449972; 433461, 2449623; 433339, 2449381; 435234, 2449384; 433589, 2449323; 433725, 2448994; 433545, 2449136; 433389, 2449256; 433567, 2449260; 433588, 2449244; 433880, 2448827; 433612, 2449262; 433525, 2449415; 433567, 2449398; 433546, 2449412; 434627, 2447088; 433448, 2449426; 435236, 2449347; 433368, 2449293; 433599, 2449252; 434202, 2447345; 433367, 2449352; 434073, 2448685; 434357, 2447229; 434073, 2447500; 434086, 2447693; 434163, 2447783; 434254, 2447886; 434318, 2448182; 434318, 2448298; 434292, 2448479; 434279, 2447951; 434486, 2447126; 434228, 2448620.

(ii) Map of Unit 5–Montane Wet for Akekee (*Loxops caeruleirostris*) follows:

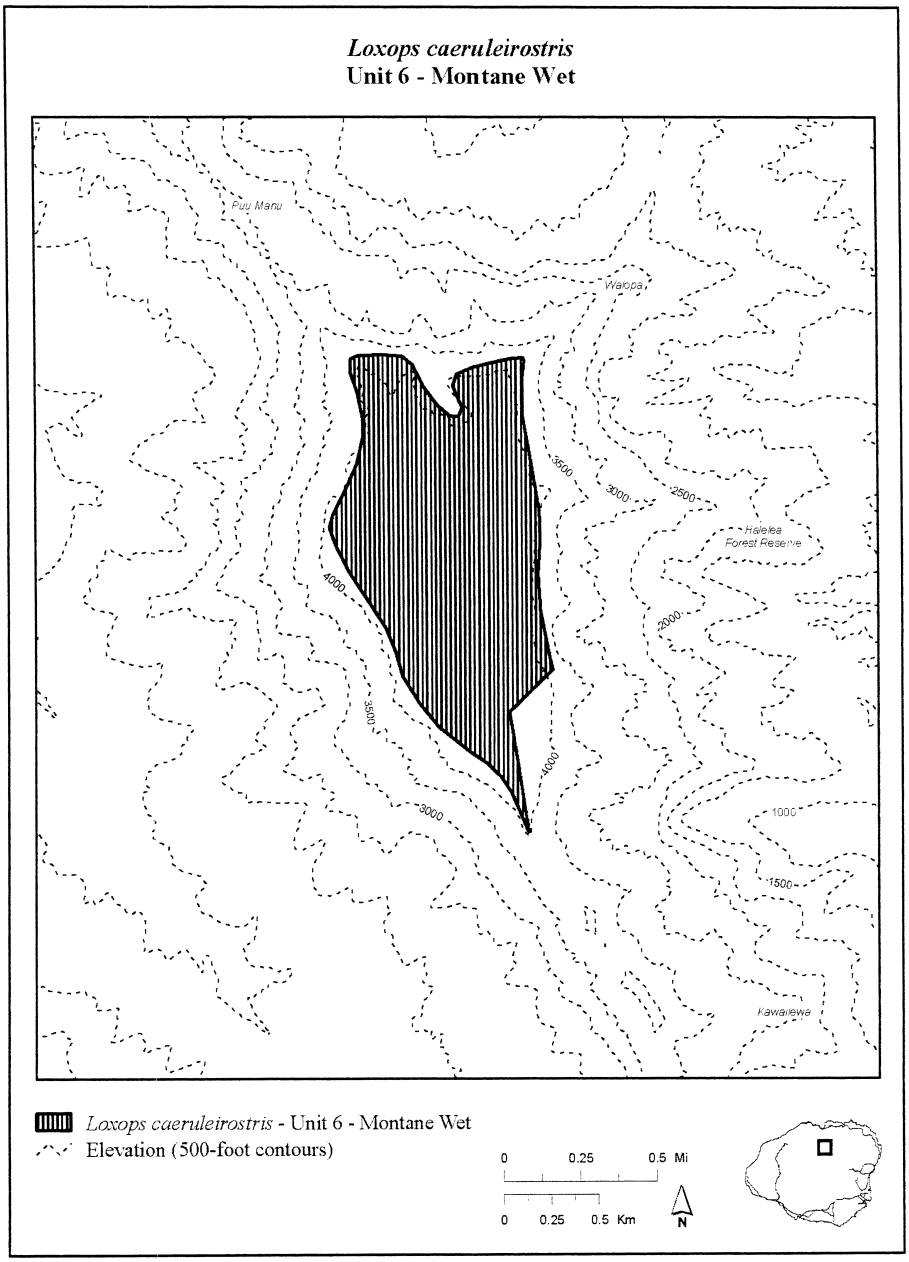


(11) Unit 6–Montane Wet, Kauai County, Hawaii.

(i) Unit 6–Montane Wet consists of 413.5 ac (167.3 ha) and includes land bounded by the following UTM Zone 4, NAD83 coordinates (E, N): 448516, 2447525; 447976, 2448470; 448042, 2448338; 448133, 2448200; 448235, 2448042; 448834, 2447273; 448288, 2447915; 448412, 2447653; 448669,

2447406; 447943, 2448562; 448763, 2447342; 448059, 2449434; 448321, 2447795; 447961, 2448628; 448037, 2448780; 448088, 2448897; 448122, 2449037; 448119, 2449134; 448056, 2449368; 448099, 2449454; 448242, 2449457; 448328, 2449449; 448440, 2449296; 448382, 2449406; 448887, 2447191; 448091, 2449266; 448610, 2449255; 448931, 2447092; 448511, 2449199; 448623, 2449141; 448641, 2449184; 448593, 2449298; 448613, 2449357; 448702, 2449395; 448812, 2449420; 448906, 2449440; 448959, 2449443; 448964, 2449425; 448952, 2449316; 448954, 2449143; 448881, 2447609; 448987, 2448959; 448980, 2446980; 448979, 2446983; 448577, 2449143; 448980, 2446982; 448981, 2446981; 449105, 2447827; 449087, 2447916; 449044, 2448132; 449032, 2448326; 449045, 2448506; 449040, 2448659; 449012, 2448822.

(ii) Map of Unit 6–Montane Wet for Akekee (*Loxops caeruleirostris*) follows:



AKIKIKI (*Oreomystis bairdi*)

(1) Critical habitat units are depicted for Kauai County, Hawaii, on the map below. The maps provided are for informational purposes only.

(2) Primary constituent elements.

(i) In units 1, 2, and 3, the primary constituent elements of critical habitat for Akikiki (*Oreomystis bairdi*) are:

(A) Elevation: 3,000 to 5,243 ft (914 to 1,598 m).

(B) Annual precipitation: 50 to 75 inches (127 to 190 centimeters).

(C) Substrate: Weathered aa lava flows, rocky mucks, thin silty loams, deep volcanic ash soils.

(D) Canopy: *Acacia, Metrosideros, Psychotria, Tetraplasandra, Zanthoxylum.*

(E) Subcanopy: *Cheirodendron, Coprosma, Kadua, Ilex, Myoporum, Myrsine.*

(F) Understory: *Bidens, Dryopteris, Leptecophylla, Poa, Scaevola, Sophora.*

(G) Arthropod prey.

(ii) In units 4, 5, and 6, the primary constituent elements of critical habitat for Akikiki (*Oreomystis bairdi*) are:

(A) Elevation: 3,000 to 5,243 ft (914 to 1,598 m).

(B) Annual precipitation: Greater than 75 inches (190 centimeters).

(C) Substrate: Well-developed soils, montane bogs.

(D) Canopy: *Acacia, Charpentiera, Cheirodendron, Metrosideros.*

(E) Subcanopy: *Broussaisia, Cibotium, Eurya, Ilex, Myrsine.*

(F) Understory: Ferns, *Carex, Coprosma, Leptecophylla, Oreobolus, Rhynchospora, Vaccinium.*

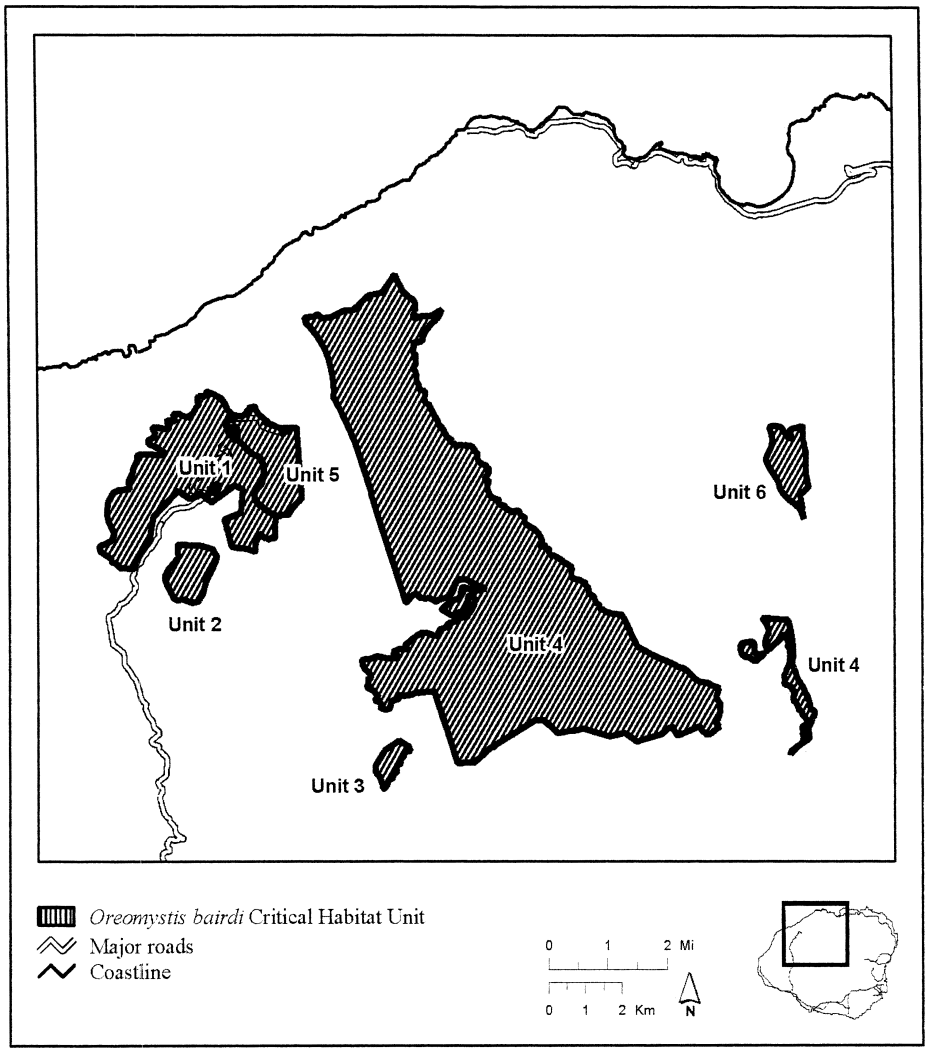
(G) Arthropod prey.

(3) Manmade features and structures, such as buildings, roads, railroads, airports, runways, other paved areas, lawns, and other urban landscaped areas, existing on the effective date of this rule do not contain one or more of the primary constituent elements.

(4) Critical habitat maps. Maps were created in GIS, with coordinates in UTM Zone 4, units in meters using North American datum of 1983 (NAD 83).

(5) Index map of critical habitat units for Akikiki (*Oreomystis bairdi*) follows:

Map 1
Oreomystis bairdi–Index Map

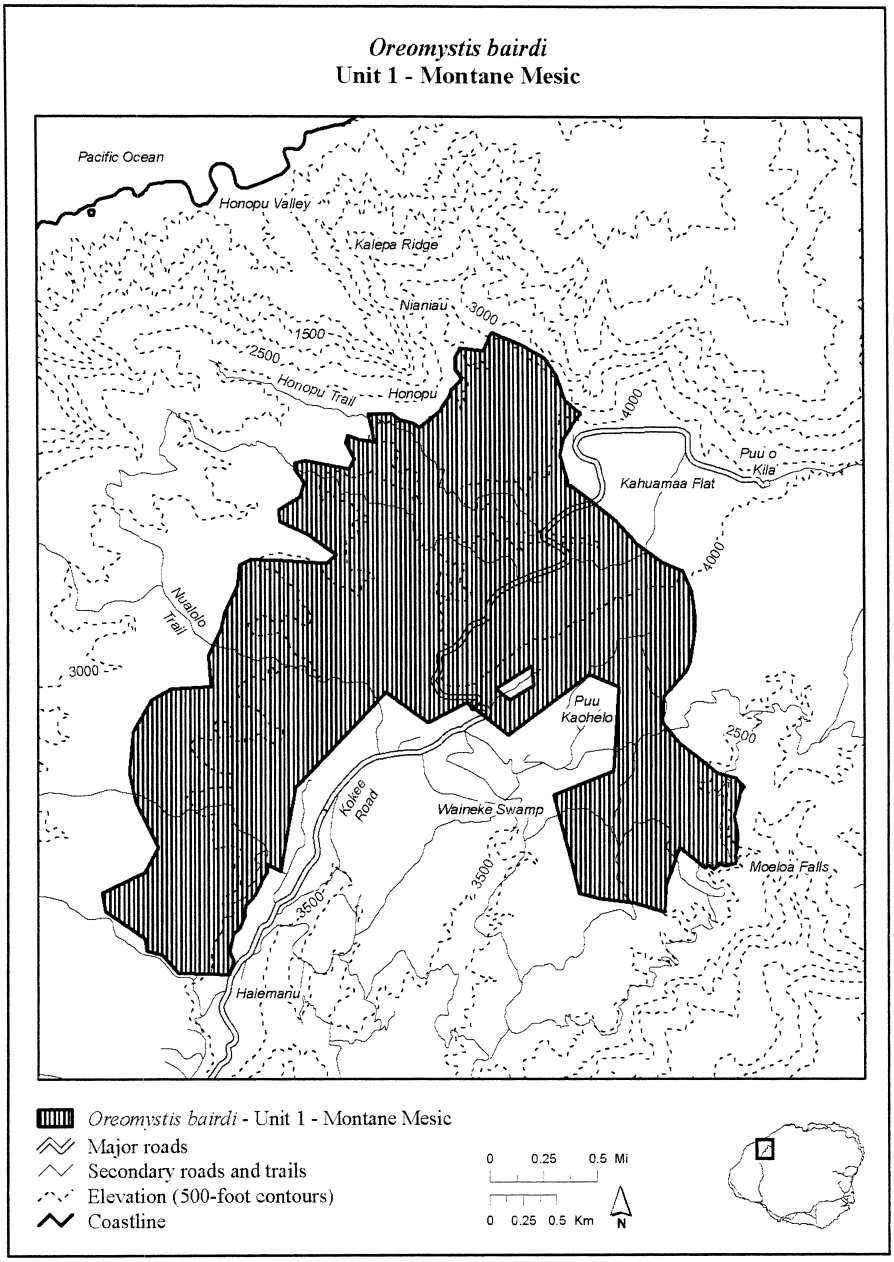


(6) Unit 1–Montane Mesic, Kauai County, Hawaii.

(i) Unit 1–Montane Mesic consists of 2,422.6 ac (980.4 ha) and includes land bounded by the following UTM Zone 4, NAD 83 coordinates (E,N): 430107, 2447429; 430242, 2447664; 430073, 2447126; 430793, 2448310; 430124, 2446907; 430393, 2447748; 430690, 2447765; 430671, 2447997; 430764, 2448188; 430886, 2448507; 430903, 2448664; 430985, 2448705; 431560, 2448675; 431414, 2448890; 430291, 2446570; 431058, 2446300; 431200, 2449070; 431362, 2449169; 431171, 2448699; 430854, 2445930; 432530, 2450196; 431391, 2449273; 431323, 2447013; 431211, 2446394; 431101, 2446447; 431112, 2446394; 431069, 2446331; 431007, 2446203; 430944, 2446145; 430902, 2445976; 430191, 2446386; 430826, 2445805; 430857, 2445727; 430824, 2445631; 430442, 2445640; 430323, 2445779; 430204, 2445809; 430191, 2445898; 429898, 2446100; 429871, 2446234; 430939, 2446061; 432796, 2450365; 432504, 2449961; 432579, 2450036;

432552, 2450080; 432551, 2450083; 432001, 2447726; 432534, 2450174; 431629, 2448739; 432565, 2450262; 432531, 2450116; 432740, 2450249; 432441, 2449848; 432808, 2450383; 432882, 2450351; 432904, 2450341; 432827, 2447751; 432932, 2447668; 433014, 2447717; 433109, 2447775; 433094, 2447922; 432560, 2450267; 431875, 2449780; 431322, 2449418; 431403, 2449436; 431727, 2449372; 431769, 2449447; 431705, 2449569; 431720, 2449620; 431805, 2449591; 431919, 2449578; 432498, 2449952; 431904, 2449665; 432486, 2449909; 432046, 2449781; 432052, 2449783; 432113, 2449740; 432217, 2449712; 432251, 2449685; 432259, 2449679; 432344, 2449744; 432419, 2449806; 431322, 2449372; 431905, 2449660; 434486, 2447126; 434073, 2448685; 434228, 2448620; 434292, 2448479; 434318, 2448298; 434279, 2447951; 434163, 2447783; 434086, 2447693; 434073, 2447500; 434623, 2446526; 434357, 2447229; 433545, 2449136; 434627, 2447088; 434686, 2447020; 434682, 2447017; 434657, 2446977; 434652, 2446933; 434612, 2446807; 434641, 2446663; 434631, 2446528; 434202, 2447345; 433399, 2449709; 431205, 2448983; 432073, 2447674; 433046, 2450280; 433196, 2450196; 433287, 2450063; 433353, 2449880; 433467, 2449787; 433429, 2449741; 433880, 2448827; 433407, 2449708; 433725, 2448994; 433401, 2449697; 433339, 2449600; 433313, 2449484; 433339, 2449381; 433368, 2449293; 433368, 2449292; 433369, 2449255; 433389, 2449256; 434254, 2447886; 433408, 2449708; 433527, 2447856; 434086, 2446095; 433862, 2446165; 433606, 2446193; 433449, 2446235; 433397, 2446440; 433257, 2446958; 433577, 2447086; 433706, 2447138; 434090, 2446098; 433562, 2447841; 432639, 2447624; 432918, 2447407; 432672, 2447598; 434620, 2446512; 432609, 2447647; 434318, 2448182; 432195, 2447587; 432136, 2447629; 432133, 2447631; 432081, 2447668; 433746, 2447766; 434500, 2446448; 432320, 2447497; 434103, 2446297; 434618, 2446459; 434582, 2446443; 434558, 2446439; 434514, 2446449; 434471, 2446422; 434457, 2446416; 434447, 2446420; 434392, 2446421; 434423, 2446441; 434416, 2446441; 434625, 2446467; 434201, 2446573; 434403, 2446435; 434628, 2446479; 434400, 2446429; 434434, 2446428; 434386, 2446429; 434533, 2446441.

(ii) Map of Unit 1–Montane Mesic for Akikiki (*Oreomystis bairdi*) follows:

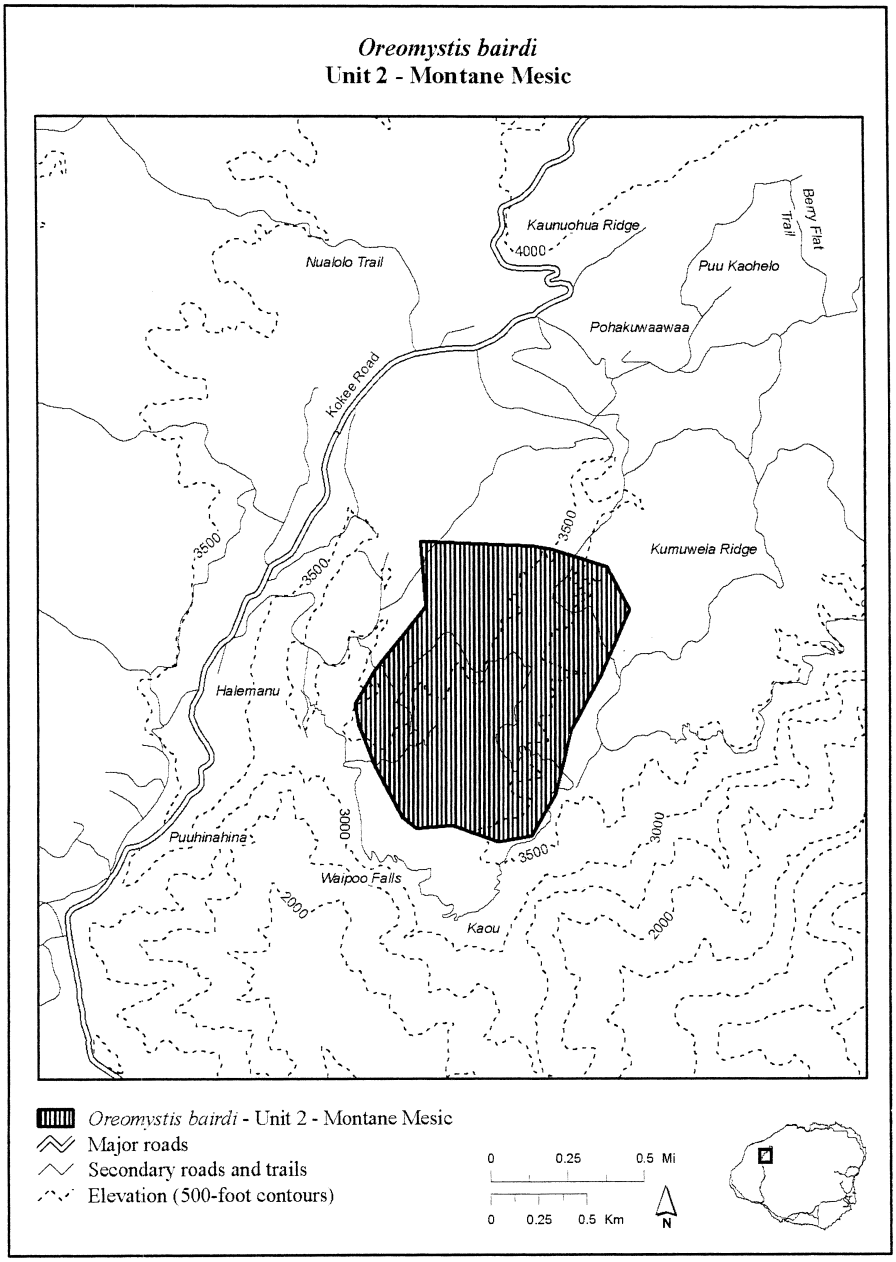


(7) Unit 2–Montane Mesic, Kauai County, Hawaii.

(i) Unit 2–Montane Mesic consists of 375.6 ac (152.0 ha) and includes land bounded by the following UTM Zone 4, NAD 83 coordinates (E, N): 431975, 2446280; 432559, 2446255; 432659, 2446240; 432948, 2446150; 433067, 2445928; 432758, 2445304; 432001, 2445941; 431873, 2444849;

432912, 2445580; 432674, 2444970; 431626, 2445435; 431730, 2445114; 431950, 2444792; 432135, 2444807; 432377, 2444722; 432548, 2444752; 431645, 2445326; 431736, 2445617.

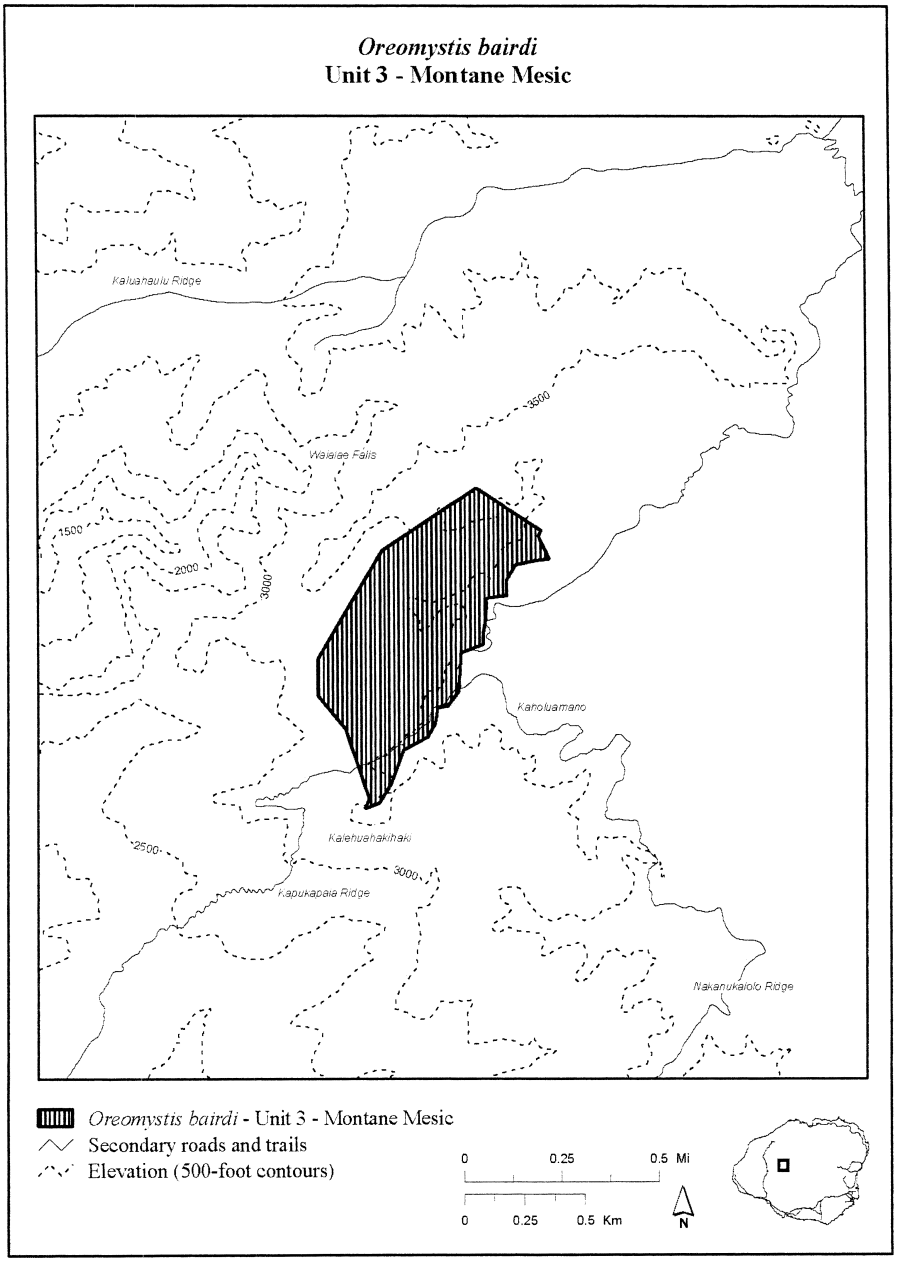
(ii) Map of Unit 2–Montane Mesic for Akikiki (*Oreomystis bairdi*) follows:



(8) Unit 3–Montane Mesic, Kauai County, Hawaii.

(i) Unit 3–Montane Mesic consists of 138.5 ac (56.0 ha) and includes land bounded by the following UTM Zone 4, NAD 83 coordinates (E, N): 438012, 2440389; 438014, 2440437; 438023, 2440484; 438111, 2440652; 438112, 2440588; 437817, 2440071; 438028, 2440577; 437922, 2440355; 437336, 2440335; 437912, 2440201; 437827, 2440132; 437785, 2440013; 437687, 2439960; 437636, 2439819; 437870, 2440140; 437545, 2439761; 438149, 2440714; 437529, 2439721; 437987, 2441027; 437450, 2440047; 437335, 2440180; 437335, 2440329; 438159, 2440914; 438249, 2440857; 438253, 2440854; 438243, 2440830; 438287, 2440738; 437602, 2440771; 438227, 2440730; 437586, 2439743.

(ii) Map of Unit 3–Montane Mesic for Akikiki (*Oreomystis bairdi*) follows:



(9) Unit 4–Montane Wet, Kauai County, Hawaii.

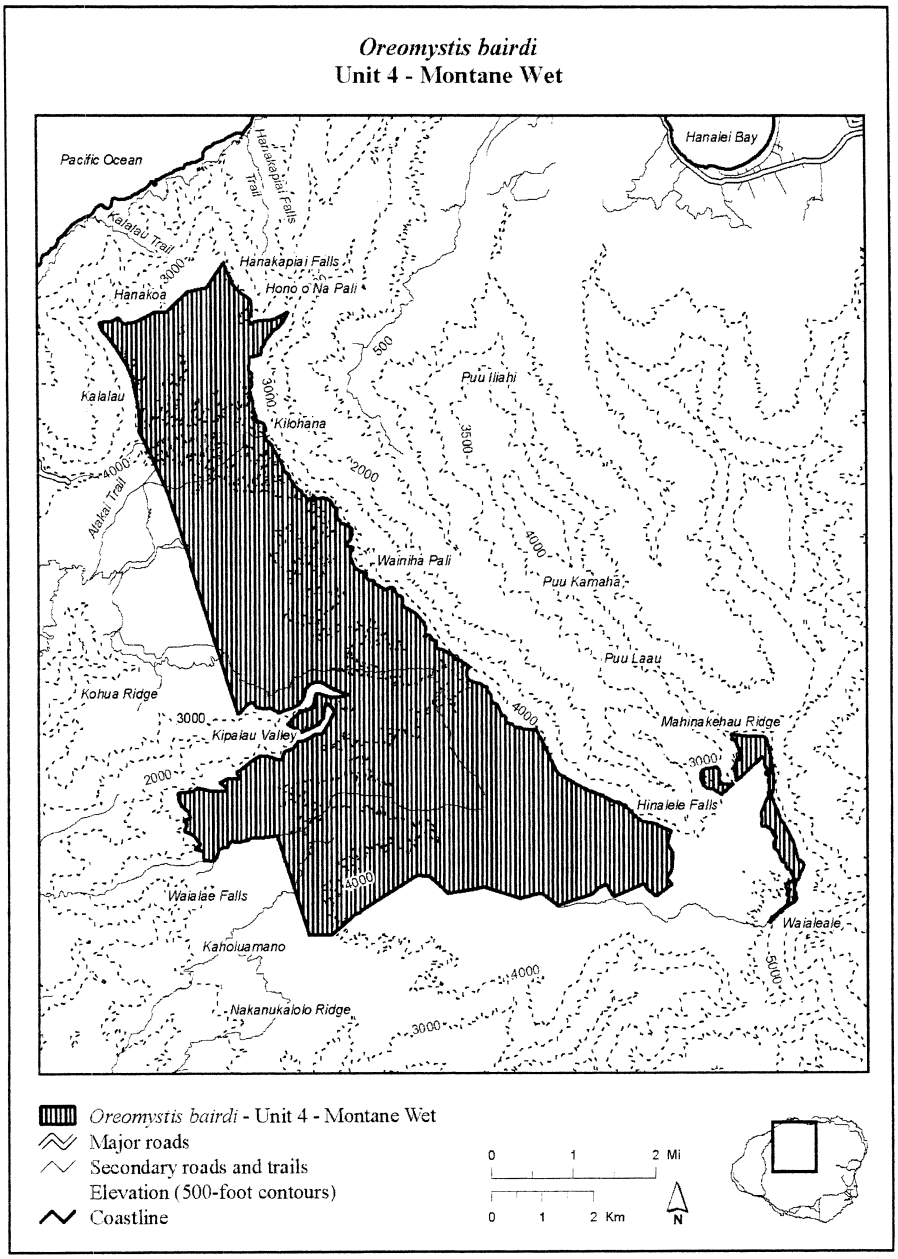
(i) Unit 4–Montane Wet consists of 13,055.0 ac (5,283.2 ha) and includes land bounded by the following UTM Zone 4, NAD 83 coordinates (E, N): 448638, 2440764; 448601, 2440679; 448606, 2440704; 448612, 2440722; 448615, 2440731; 448619, 2440740; 448630, 2440759; 448650, 2440769;

448600, 2440668; 448622, 2440749; 448599, 2440647; 448601, 2440652; 448678, 2440741; 448777, 2440842; 448663, 2440773; 449006, 2441012; 448764, 2440857; 449068, 2441051; 449121, 2441114; 449121, 2441114; 448887, 2440934; 448811, 2440896; 448954, 2441097; 448943, 2441063; 448943, 2441053; 448943, 2441044; 448941, 2441024; 448940, 2441006; 448918, 2440982; 448877, 2440939; 448861, 2440927; 448735, 2440829; 448837, 2440912; 448678, 2440780; 448802, 2440889; 448788, 2440878; 449115, 2442038; 448745, 2440841; 449111, 2441196; 448727, 2440820; 448720, 2440813; 448711, 2440806; 448691, 2440790; 448841, 2440914; 447374, 2443275; 449244, 2441819; 447623, 2443445; 447616, 2443588; 447603, 2443646; 447556, 2443686; 447325, 2443651; 447295, 2443639; 447247, 2443586; 448634, 2443800; 447287, 2443339; 448657, 2443629; 447481, 2443262; 447636, 2443160; 447645, 2443143; 447645, 2443146; 447894, 2443371; 447865, 2443358; 447712, 2443351; 447631, 2443389; 448948, 2441084; 447249, 2443451; 448917, 2442504; 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(ii) Map of Unit 4–Montane Wet for Akikiki (*Oreomystis bairdi*) follows:

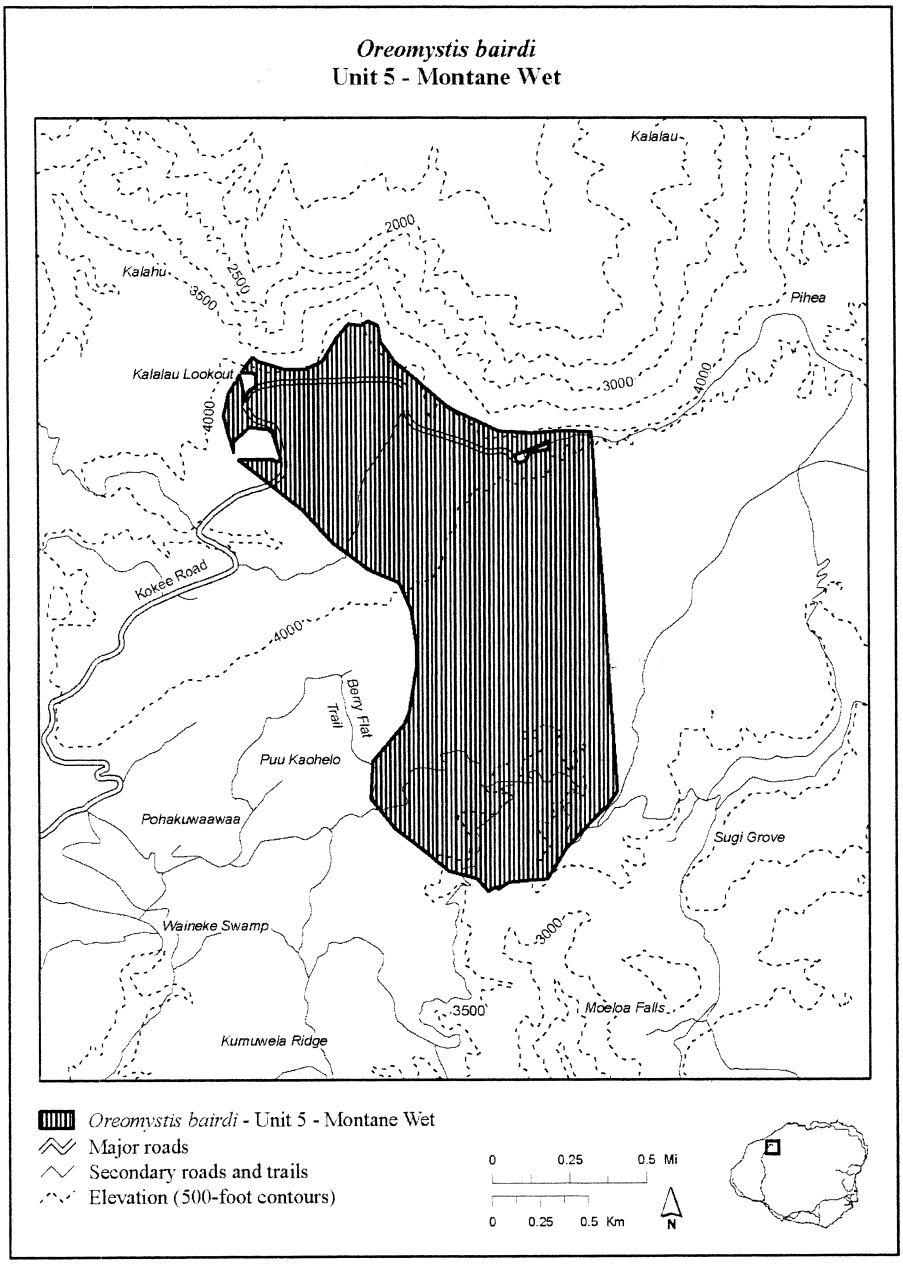


(10) Unit 5–Montane Wet, Kauai County, Hawaii.

(i) Unit 5–Montane Wet consists of 789.9 ac (319.7 ha) and includes land bounded by the following UTM Zone 4, NAD 83 coordinates (E, N): 433436, 2449707; 433445, 2449707; 433444, 2449707; 433443, 2449707; 433458, 2449707; 433436, 2449707; 433426, 2449707; 433408, 2449708; 433429,

2449741; 433493, 2449765; 433633, 2449724; 433742, 2449724; 433467, 2449787; 433460, 2449707; 433468, 2449706; 433484, 2449694; 433414, 2449628; 433461, 2449623; 433457, 2449622; 433339, 2449600; 433440, 2449604; 433437, 2449592; 433426, 2449556; 433419, 2449599; 433831, 2449767; 434991, 2449344; 433401, 2449697; 433480, 2449629; 434938, 2449321; 433313, 2449484; 433455, 2449620; 434842, 2449253; 434839, 2449258; 434834, 2449277; 434833, 2449278; 434833, 2449278; 434833, 2449280; 434833, 2449281; 434872, 2449294; 434881, 2449297; 434884, 2449298; 435010, 2449343; 434899, 2449305; 433903, 2449882; 435011, 2449352; 435010, 2449343; 435005, 2449310; 434948, 2449300; 434908, 2449290; 434908, 2449290; 434890, 2449251; 434872, 2449246; 434848, 2449239; 434844, 2449248; 434034, 2449950; 434026, 2449951; 433969, 2449958; 434898, 2449304; 435183, 2449401; 434713, 2447038; 434738, 2447045; 434738, 2447030; 434795, 2447069; 434994, 2447085; 435093, 2447245; 435290, 2447449; 435295, 2447440; 435360, 2447538; 435282, 2448685; 435266, 2448909; 435236, 2449351; 434686, 2447020; 435232, 2449399; 435272, 2448835; 435080, 2449407; 434920, 2449394; 434752, 2449405; 434498, 2449522; 434338, 2449660; 434208, 2449767; 434141, 2449863; 434137, 2449869; 434124, 2449948; 434074, 2449972; 433461, 2449623; 433339, 2449381; 435234, 2449384; 433589, 2449323; 433725, 2448994; 433545, 2449136; 433389, 2449256; 433567, 2449260; 433588, 2449244; 433880, 2448827; 433612, 2449262; 433525, 2449415; 433567, 2449398; 433546, 2449412; 434627, 2447088; 433448, 2449426; 435236, 2449347; 433368, 2449293; 433599, 2449252; 434202, 2447345; 433367, 2449352; 434073, 2448685; 434357, 2447229; 434073, 2447500; 434086, 2447693; 434163, 2447783; 434254, 2447886; 434318, 2448182; 434318, 2448298; 434292, 2448479; 434279, 2447951; 434486, 2447126; 434228, 2448620.

(ii) Map of Unit 5–Montane Wet for Akikiki (*Oreomystis bairdi*) follows:

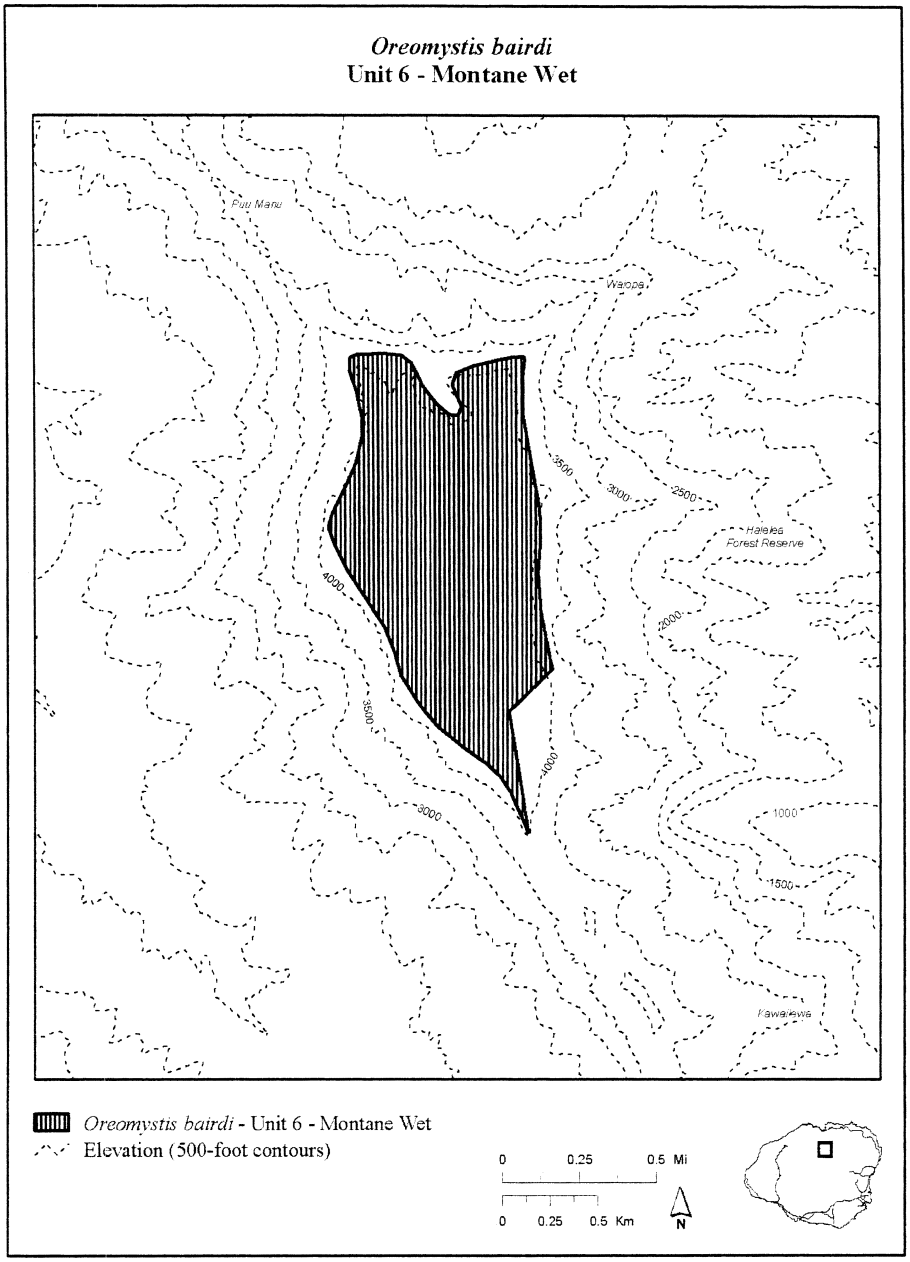


(11) Unit 6–Montane Wet, Kauai County, Hawaii.

(i) Unit 6–Montane Wet consists of 413.5 ac (167.3 ha) and includes land bounded by the following UTM Zone 4, NAD 83 coordinates (E, N): 448516, 2447525; 447976, 2448470; 448042, 2448338; 448133, 2448200; 448235, 2448042; 448834, 2447273; 448288, 2447915; 448412, 2447653; 448669,

2447406; 447943, 2448562; 448763, 2447342; 448059, 2449434; 448321, 2447795; 447961, 2448628; 448037, 2448780; 448088, 2448897; 448122, 2449037; 448119, 2449134; 448056, 2449368; 448099, 2449454; 448242, 2449457; 448328, 2449449; 448440, 2449296; 448382, 2449406; 448887, 2447191; 448091, 2449266; 448610, 2449255; 448931, 2447092; 448511, 2449199; 448623, 2449141; 448641, 2449184; 448593, 2449298; 448613, 2449357; 448702, 2449395; 448812, 2449420; 448906, 2449440; 448959, 2449443; 448964, 2449425; 448952, 2449316; 448954, 2449143; 448881, 2447609; 448987, 2448959; 448980, 2446980; 448979, 2446983; 448577, 2449143; 448980, 2446982; 448981, 2446981; 449105, 2447827; 449087, 2447916; 449044, 2448132; 449032, 2448326; 449045, 2448506; 449040, 2448659; 449012, 2448822.

(ii) Map of Unit 6–Montane Wet for Akikiki (*Oreomystis bairdi*) follows:



YELLOW-SHOULDERED BLACKBIRD (*Agelaius xanthomus*)

Puerto Rico. Areas of land, water, and airspace with the following components: (1) All of Mona Island; (2) that portion of the main island of Puerto Rico within the following boundary: Beginning at a point where the Quebrada Boqueron joins the Bahia de

Boqueron, thence proceeding southwesterly along coast to Cabo Rojo, thence eastward along the coast, including offshore cays, to the point where Highway 332 meets the Bahia de Guanica, thence northward on Highway 332 to its junction with Highway 116, thence westward on Highway 116 to its junction with Highway 305, thence westward on Highway 305 to its junction with Highway 303, thence northward on Highway 303 to its junction with Highway 101, thence westward on Highway 101 to the point where it crosses Quebrada Boqueron, thence along the Quebrada Boqueron to the point where it joins the Bahia de Boqueron; (3) a circular portion of the main island of Puerto Rico with a one mile radius, the center being the junction of Highways 360 and 102 in the town of San German; (4) Roosevelt Roads Naval Station, southeast of Ceiba.

NOTE: No map.

CALIFORNIA CONDOR (*Gymnogyps californianus*)

California. Sespe-Piru Condor Area: an area of land, water, and airspace to an elevation of not less than 3,000 feet above the terrain, in Ventura and Los Angeles Counties, with the following components (San Bernardino Meridian): Sespe Condor Sanctuary, as delineated by Public Land Order 695 (January 1951); T4N R20W Sec. 2, 5–10, N½ Sec. 11; T4N R21W Sec. 1–3, 10–12, N¼ Sec 13, N¼ Sec. 14, N¼ Sec. 15; T5N R18W Sec. 4–9, 18, 19, 30, 31, N½ Sec. 3, N½ Sec. 17; T5N R21W Sec. 1–4, 9–16, 21–28, 33–36; T6N R18W Sec. 7–11, 14–23, 26–35; T6N R19W Sec. 7–36; T6N R20W Sec. 8–36; T6N R21W Sec. 13–36; T6N R22W Sec. 3–26, 35, 36; T6N R23W Sec. 1–3, 10–14, 24, N½ Sec. 23; T7N R22W Sec. 31; T7N R23W Sec. 34–36.

Matilija Condor Area: An area of land, water, and airspace to an elevation of not less than 3,000 feet above the terrain, in Ventura and Santa Barbara Counties, with the following components (San Bernardino Meridian): T5N R24W W½ Sec. 3, Sec. 4–11, 14, 15, N½ Sec. 16, N¼ Sec. 17; T5N R25W E½ Sec. 1, NE¼ Sec. 12; T5½N R24W Sec. 31–34; T6N R24W S½ Sec. 32, S½ Sec. 33, S½ Sec. 34.

Sisquoc-San Rafael Condor Area: An area of land, water, and airspace to an elevation of not less than 3,000 feet above the terrain, Santa Barbara County, with the following components (San Bernardino Meridian): T6N R26W Sec. 5, 6; T6N R27W Sec. 1, 2; T7N R26W Sec. 5–8, 17–20, 29–32; T7N R27W Sec. 1–14, 23–26, 35, 36; T7N R28W Sec. 1, 2, 11, 12; T8N R26W Sec. 19–22, 27–34; T8N R27W Sec. 19–36.

Hi Mountain-Beartrap Condor Areas: Areas of land, water, and airspace to an elevation of not less than 3,000 feet above the terrain in San Luis Obispo County, with the following components (Mt. Diablo Meridian): T30S R16E Sec. 13, 14, 23–26, SE¼ Sec. 11, S½ Sec. 12; T30S R17E Sec. 17–20, 29, 30; T31S R14E Sec. 1, 2, 11, 12, E½ Sec. 3, E½ Sec. 10, N½ Sec. 14, N½ Sec. 13; T31S R15E W½ Sec. 6, W ½ Sec. 7, NW¼ Sec. 18.

Mt. Pinos Condor Area: An area of land, water, and airspace in Ventura and Kern Counties, with the following components (San Bernardino Meridian): T8N R21W W½ Sec. 5, Sec. 6 N½ Sec. 7, NW¼ Sec. 8; T8N R22W Sec. 1, 2, E½ Sec. 3, NE¼ Sec. 10, N½ Sec. 11, N½ Sec. 12; T9N R21W Sec. 31, 32, W½ Sec. 33; T9N R22W E½ Sec. 35, Sec. 36.

Blue Ridge Condor Area: An area of land, water, and airspace in Tulare County, with the following components (Mt. Diablo Meridian): T19S R29E Sec. 5–9, 15–22, 27–30.

Tejon Ranch: An area of land, water, and airspace in Kern County, with the following components (San Bernardino Meridian): R16W, T10N, R17W T10N, R17W T11N, R18W T9N, R18W T10N, R19W T10N.

Kern County rangelands: An area of land, water, and airspace in Kern County between California State Highway 65 and the western boundary of Sequoia National Forest, with the following components (Mt. Diablo Meridian): R29E T25S, R29E T26S, R30E T25S, R30E T26S.

Tulare County rangelands: An area of land, water, and airspace in Tulare County between California State Highway 65, State Highway 198, and the western boundary of Sequoia National Forest, with the following components (Mt. Diablo Meridian): R28E T18S (all sections); R28E T19S (all sections); R28E T20S (all sections); R28E T21S Sec. 1–18; R29E T20S (all sections); R29E T21S Sec. 1–18.

NOTE: No map.

MISSISSIPPI SANDHILL CRANE (*Grus canadensis pulla*).

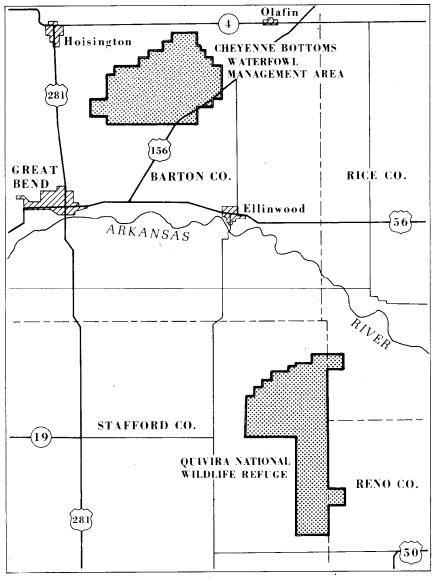
Mississippi. Areas of land, water, and airspace in Jackson County, with the following components (St. Stephens Base Meridian): T6S R6W Sec. 31; T6S R7W E½ of E½ Sec. 34, Sec. 35–36, S½ Sec. 38; T6S R8W Sec. 27, those portions of Sec. 28–31 south of Seaman Road, Sec. 32–34; T7S R6W N½ of N½ Sec. 3, Sec. 6; T7S R7W Sec. 2–11, Sec. 13–16, Sec. 20–22, W½ Sec. 23, W½ of E½ Sec. 23, NE¼ of NE¼ Sec. 23, N½ of N½ Sec. 24, that portion of the SW¼ of SW¼ Sec. 30 south of the Louisville and Nashville Railroad, W½ of W½ Sec. 31, W½ Sec. 37, that portion of the E½ Sec. 37 north of U.S. Interstate Highway 10; T7S R8W Sec. 1–3, that portion of Sec. 4 north of U.S. Interstate Highway 10, Sec. 5–6, those portions of Sec. 7–8 north of U.S. Interstate Highway 10, Sec. 10–12, W½ of W½ Sec. 14, Sec. 15, that portion of Sec. 25 south of the Louisville and Nashville Railroad, that portion of the SE¼ of Sec. 26 south of the Louisville and Nashville Railroad and southeast of Davis Bayou, N½ of NE¼ Sec. 35, Sec. 36.

NOTE: No map.

WHOOPING CRANE (*Grus americana*)

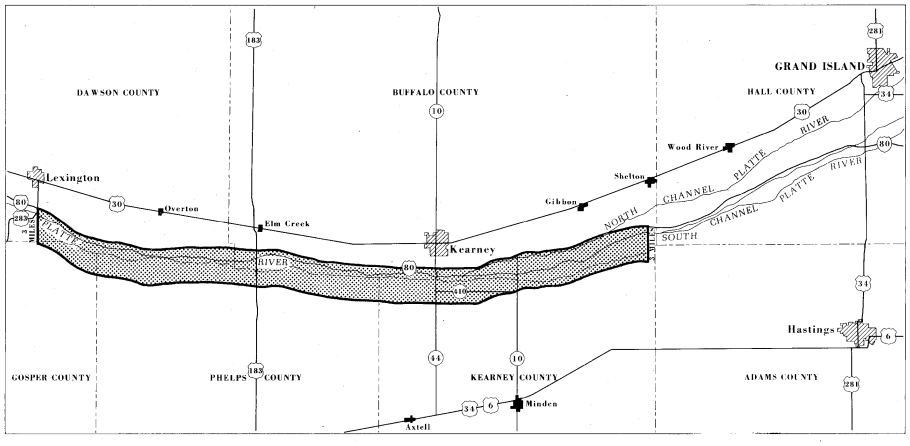
Kansas. Areas of land, water, and airspace with the following components: (1) Quivira National Wildlife Refuge in Stafford, Reno, and Rice Counties; and (2) Cheyenne Bottoms State Waterfowl Management Area in Barton County.

NOTE: The map provided is for informational purposes only. Map follows:



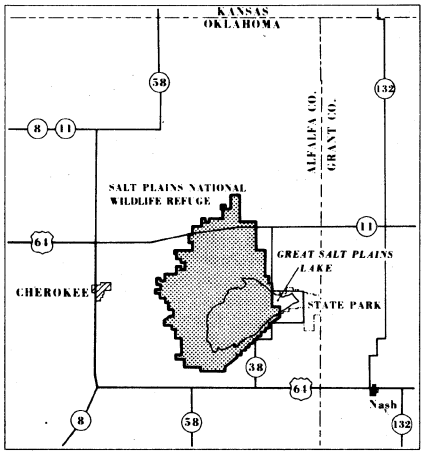
Nebraska. An area of land, water, and airspace in Dawson, Buffalo, Hall, Phelps, Kearny, and Adams Counties with the following boundaries: *Platte River bottoms*—a strip of river bottom with a north-south width 3 miles, a south boundary paralleling Interstate 80, beginning at the junction of U.S. Highway 283 and Interstate 80 near Lexington, and extending eastward along Interstate 80 to the interchange for Shelton and Dehman, Nebr. near the Buffalo-Hall County line.

NOTE: The map provided is for informational purposes only. Map follows:



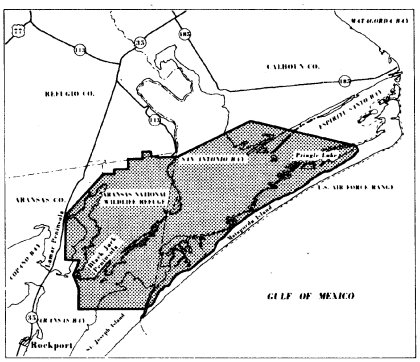
Oklahoma. An area of land, water, and airspace in Alfalfa County with the following component: Salt Plains National Wildlife Refuge.

NOTE: The map provided is for informational purposes only. Map follows:



Texas. An area of land, water, and airspace in Aransas, Calhoun, and Refugio Counties with the following boundaries: Beginning at the point where the north boundary of the Aransas National Wildlife Refuge intersects the shore of San Antonio Bay at Webb Point; thence, from this point along a straight line across San Antonio Bay through the westernmost tip of Mosquito Point and inland to a point of intersection with metal surfaced road; thence eastward along a straight line across Espiritu Santo Bay to the intersection of the bay shore and a road at the east end of Pringle Lake on Matagorda Island; thence south along this road to the intersection with the main Matagorda Island road; southwestward along this main road to Cedar Bayou at latitude 28°04′10″ N.; thence due west across Cedar Bayou, Vinson Slough, and Isla San Jose to Gulf Intracoastal Waterway platform channel marker No. 25; thence north to the southwest corner of the proclamation boundary, just south of Blackjack Point; thence north along the proclamation boundary into St. Charles Bay to a line drawn as an eastward extension of Twelfth Street on Lamar Peninsula; thence westward along this line to intersection with Palmetto Avenue; thence northward along a straight line to the southwest corner of the Aransas National Wildlife Refuge at Texas State Highway 35 and the north shore of Cavasso Creek; thence northeast on a straight line to the corner of the Aransas National Wildlife Refuge north boundary adjacent to triangulation station ''Twin''; thence along the north boundary of said refuge to the starting point at Webb Point.

NOTE: The map provided is for informational purposes only. Map follows:



MARIANA CROW (*Corvus kubaryi*)

(1) Critical habitat units for the Mariana crow are depicted for the Territory of Guam and the island of Rota, Commonwealth of the Northern Mariana Islands, on the maps below.

(2) The primary constituent elements required by the Mariana crow for the biological needs of foraging, sheltering, roosting, nesting, and rearing of young are found in areas that support limestone, secondary, ravine, swamp, agricultural, and coastal forests composed of native and introduced plant species. These forest types provide the primary constituent elements of:

(i) Emergent trees and subcanopy trees with dense cover for breeding, such as *Neisosperma oppositifolia* (fagot), *Macaranga thompsonii* (pengua), *Intsia bijuga* (ifit), *Premna obtusifolia* (ahgao), *Eugenia reinwardtiana* (aabang), *Ficus* spp. (fig), *Elaeocarpus joga* (yoga), and *Tristiropsis obtusangula* (faniok);

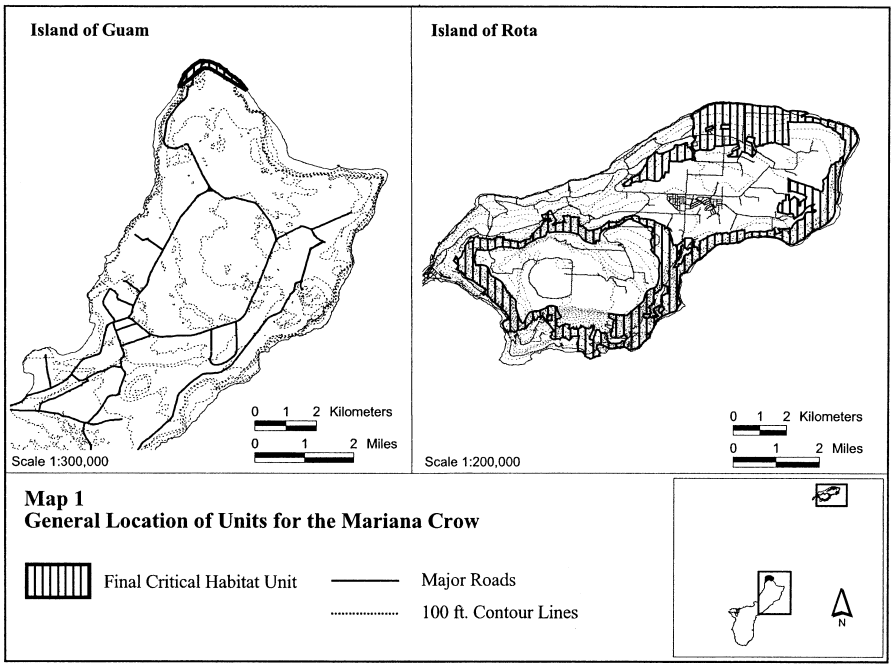
(ii) Sufficient area of predominantly native forest to allow nesting at least 950 ft (290 m) from the nearest road and 203 ft (62 m) from the nearest forest edge and to support Mariana crow breeding territories (approximately 30 to 91 ac (12 to 37 ha)) and foraging areas for nonbreeding juvenile crows; and

(iii) Standing dead trees and plant species for foraging such as *Aglaia mariannensis* (maypunayo), *Artocarpus* spp. (breadfruit), *Cocos nucifera* (coconut palm), fagot, *Hibiscus tiliaceus* (pago), ifit, *Leucaena* spp. (tangantangan), *Ochrosia mariannensis* (langiti), *Pandanus tectorius* (kafu), ahgao, fig, and joga.

(3) Critical habitat does not include existing features and structures within the boundaries of the mapped units, such as buildings, roads, aqueducts, antennas, water tanks, agricultural fields, paved areas, lawns, and other urban landscaped areas not containing one or more of the primary constituent elements.

(4) Critical habitat units are described below. Coordinates are in UTM Zone 55 with units in meters using North American Datum of 1983 (NAD83)/World Geodetic System 1984 (WGS 84).

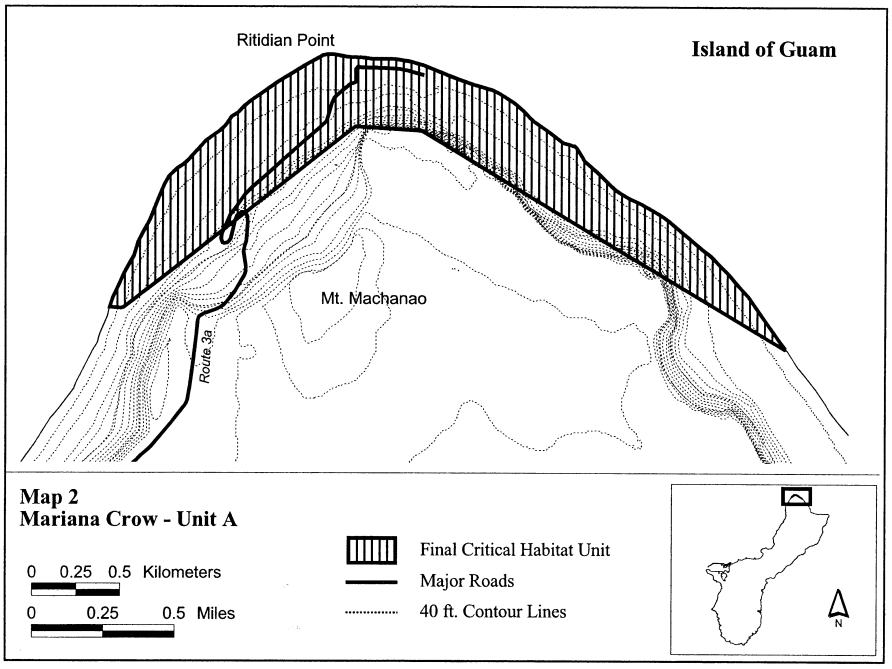
(i) Note: Map 1—General Locations of Units for the Mariana Crow follows:



(ii) Guam, Mariana crow—Unit A (376 ac; 152 ha):

(A) [Reserved]

(B) Map 2 showing Unit A for Mariana crow follows:



(iii) Rota, Mariana crow—Unit B (6,033 ac; 2,442 ha):

(A) Subunit B–1 excludes seven areas:

(*1*) Bounded by the following five points (7 ac; 3 ha): 309786, 1569596; 309800, 1569484; 310060, 1569596; 310059, 1569695; 310055, 1569695.

(*2*) Bounded by the following four points (13 ac; 5 ha): 310365, 1569567; 310716, 1569564; 310716, 1569718; 310366, 1569717.

(*3*) Bounded by the following 53 points (46 ac; 19 ha): 308686, 1564398; 308762, 1564422; 308791, 1564444; 308793, 1564466; 308784, 1564497; 308797, 1564525; 308821, 1564528; 308848, 1564503; 308874, 1564514; 308905, 1564532; 308955, 1564666; 308979, 1564736; 308994, 1564814; 309056, 1564845; 309090, 1564889; 309126, 1564869; 309248, 1564976; 309277, 1565027; 309288, 1565060; 309280, 1565083; 309271, 1565117; 309213, 1565113; 309170, 1565106; 309132, 1565058; 309100, 1565068; 309047, 1565112; 308992, 1565145; 308979, 1565217; 308948, 1565228; 308887, 1565176; 308883, 1565150; 308900, 1565075; 308876, 1564990; 308839, 1564994; 308821, 1564996; 308791, 1564924; 308813, 1564898; 308839, 1564906; 308870, 1564928; 308878, 1564915; 308808, 1564760; 308756, 1564683; 308703, 1564628; 308672, 1564595; 308668, 1564571; 308677, 1564563; 308716, 1564574; 308718, 1564560; 308673, 1564489; 308647, 1564459; 308607, 1564406; 308654, 1564386; 308671, 1564401.

(*4*) Bounded by the following 80 points (84 ac; 34 ha): 307624, 1562456; 307687, 1562504; 307700, 1562504; 307723, 1562493; 307768, 1562521; 307804, 1562511; 307827, 1562494; 307871, 1562552; 307897, 1562565; 307928, 1562565; 307943, 1562545; 307959, 1562519; 307976, 1562515; 308031, 1562572; 307996, 1562594; 307980, 1562618; 307978, 1562640; 307930, 1562655; 307908, 1562675; 307891, 1562697; 307891, 1562743; 307856, 1562771; 307851, 1562810; 307902, 1562852; 308068, 1562957; 308134, 1562964; 308164, 1562997; 308173, 1563049; 308204, 1563115; 308197, 1563150; 308171, 1563159; 308149, 1563172; 308158, 1563220; 308153, 1563290; 308153, 1563334; 308184, 1563347; 308234, 1563340; 308316, 1563418; 308398, 1563405; 308418, 1563437; 308367, 1563499; 308373, 1563676; 308215, 1563726; 308158, 1563576; 308126, 1563534; 308091, 1563547; 308052, 1563487; 308025, 1563486; 307965, 1563436; 307886, 1563373; 307872, 1563313; 307872, 1563199; 307896, 1563181; 307911, 1563141; 307871, 1563095; 307869, 1563073; 307904, 1563069; 307880, 1563003; 307862, 1563010; 307849, 1563025; 307803, 1563019; 307807, 1562964; 307792, 1562951; 307753, 1562946; 307713, 1562935; 307700, 1562911; 307704, 1562881; 307753, 1562828; 307768, 1562797; 307733, 1562745; 307731, 1562727; 307781, 1562683; 307729, 1562598; 307713, 1562633; 307689, 1562635; 307646, 1562613; 307495, 1562647; 307488, 1562556; 307488, 1562533; 307495, 1562490.

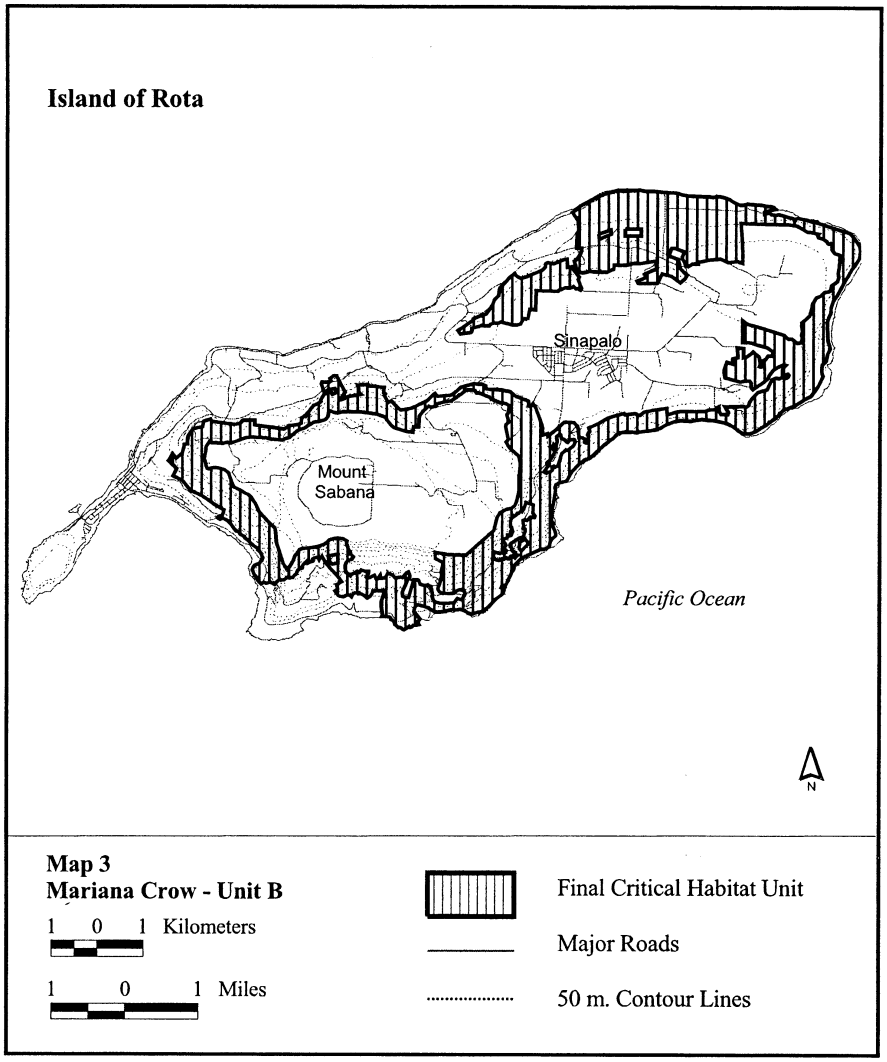
(*5*) Bounded by the following seven points (9 ac; 3 ha): 308109, 1562663; 308114, 1562663; 308280, 1562825; 308197, 1562937; 308066, 1562859; 308074, 1562799; 308043, 1562743.

(*6*) Bounded by the following 225 points (4,517 ac; 1,828 ha): 304411, 1562555; 304424,

1562519; 304395, 1562481; 304302, 1562446; 304273, 1562406; 304249, 1562358; 304254, 1562282; 304261, 1562234; 304267, 1562190; 304322, 1562154; 304363, 1562125; 304393, 1562154; 304450, 1562187; 304496, 1562219; 304553, 1562195; 304591, 1562252; 304677, 1562222; 304751, 1562222; 304756, 1562184; 304707, 1562097; 304732, 1562065; 304778, 1562078; 304848, 1562116; 304883, 1562133; 304897, 1562100; 304919, 1562054; 304965, 1562055; 305014, 1562130; 305027, 1562070; 305087, 1562070; 305138, 1562106; 305178, 1562184; 305273, 1562139; 305332, 1562082; 305502, 1562089; 305578, 1562186; 305634, 1562202; 305663, 1562153; 305654, 1562055; 305625, 1562051; 305559, 1561906; 305499, 1561766; 305502, 1561677; 305536, 1561661; 305583, 1561645; 305628, 1561651; 305657, 1561733; 305750, 1562039; 305797, 1562046; 305851, 1562027; 305884, 1561946; 305962, 1561919; 306000, 1561908; 306049, 1561932; 306083, 1561909; 306124, 1561894; 306125, 1561840; 306152, 1561740; 306149, 1561664; 306171, 1561612; 306196, 1561564; 306331, 1561523; 306475, 1561523; 306637, 1561536; 306678, 1561599; 306697, 1561618; 306795, 1561601; 306862, 1561696; 306865, 1561764; 306854, 1561781; 306837, 1561785; 306821, 1561831; 306726, 1561820; 306597, 1561737; 306383, 1561737; 306312, 1561775; 306280, 1561824; 306280, 1561867; 306328, 1561986; 306326, 1562043; 306369, 1562146; 306348, 1562193; 306359, 1562248; 306396, 1562413; 306211, 1562495; 306212, 1562642; 306491, 1562590; 306893, 1562575; 307497, 1563122; 307570, 1563395; 307632, 1563500; 307765, 1563576; 307881, 1563606; 307963, 1563657; 308014, 1563772; 308065, 1564029; 308062, 1564310; 308088, 1564565; 308044, 1564754; 307833, 1564944; 307768, 1565047; 307819, 1565112; 307805, 1565168; 307749, 1565378; 307765, 1565443; 307822, 1565486; 307811, 1565570; 307779, 1565654; 307817, 1565697; 307825, 1565828; 307842, 1565852; 307741, 1565909; 307639, 1565920; 307442, 1565987; 307386, 1566039; 307223, 1566107; 307152, 1566137; 307112, 1566137; 307082, 1566183; 307047, 1566199; 306955, 1566199; 306887, 1566191; 306824, 1566142; 306643, 1566020; 306544, 1565957; 306401, 1565931; 306247, 1565886; 306225, 1565841; 306113, 1565820; 306065, 1565846; 305956, 1565740; 305864, 1565621; 305851, 1565381; 305732, 1565386; 305724, 1565275; 305583, 1565276; 305305, 1565376; 305244, 1565424; 305104, 1565593; 304938, 1565657; 304768, 1565694; 304538, 1565717; 304173, 1565710; 304059, 1565694; 303985, 1565704; 303930, 1565725; 303903, 1565726; 303881, 1565697; 303879, 1565686; 303866, 1565617; 303819, 1565548; 303760, 1565524; 303670, 1565498; 303545, 1565484; 303504, 1565453; 303445, 1565416; 303355, 1565352; 303191, 1565289; 303022, 1565141; 302927, 1565120; 302874, 1565088; 302601, 1565117; 302527, 1565140; 302218, 1565153; 302086, 1565142; 301948, 1565092; 301810, 1565044; 301728, 1565024; 301675, 1565037; 301588, 1565018; 301416, 1565032; 301326, 1565030; 301284, 1565055; 301215, 1564939; 301207, 1564880; 301178, 1564669; 301199, 1564611; 301215, 1564529; 301236, 1564468; 301284, 1564460; 301363, 1564476; 301459, 1564476; 301604, 1564444; 301705, 1564365; 301734, 1564277; 301781, 1564145; 301827, 1564059; 301898, 1564026; 301972, 1563986; 302078, 1563923; 302144, 1563891; 302215, 1563817; 302318, 1563661; 302371, 1563526; 302605, 1563264; 302705, 1563179; 302736, 1563065; 302743, 1562848; 302859, 1562481; 302916, 1562366; 302961, 1562293; 302983, 1562274; 303027, 1562300; 303093, 1562406; 303115, 1562459; 303159, 1562565; 303190, 1562612; 303214, 1562638; 303250, 1562687; 303323, 1562713; 303478, 1562733; 303626, 1562749; 303778, 1562811; 303847, 1562837; 303900, 1562902; 303986, 1562937; 304081, 1562943; 304196, 1562928; 304284, 1562884; 304280, 1562804; 304302, 1562749; 304315, 1562704; 304363, 1562636; 304368, 1562613; 304379, 1562567.

(7) Bounded by the following nine points (9 ac; 3 ha): 303885, 1562540; 303916, 1562411; 303966, 1562370; 304088, 1562398; 304081, 1562449; 304077, 1562587; 304072, 1562590; 303992, 1562579; 303895, 1562564.

(B) Map 3 showing Unit B for Mariana crow follows:



SPECTACLED EIDER (*Somateria fischeri*)

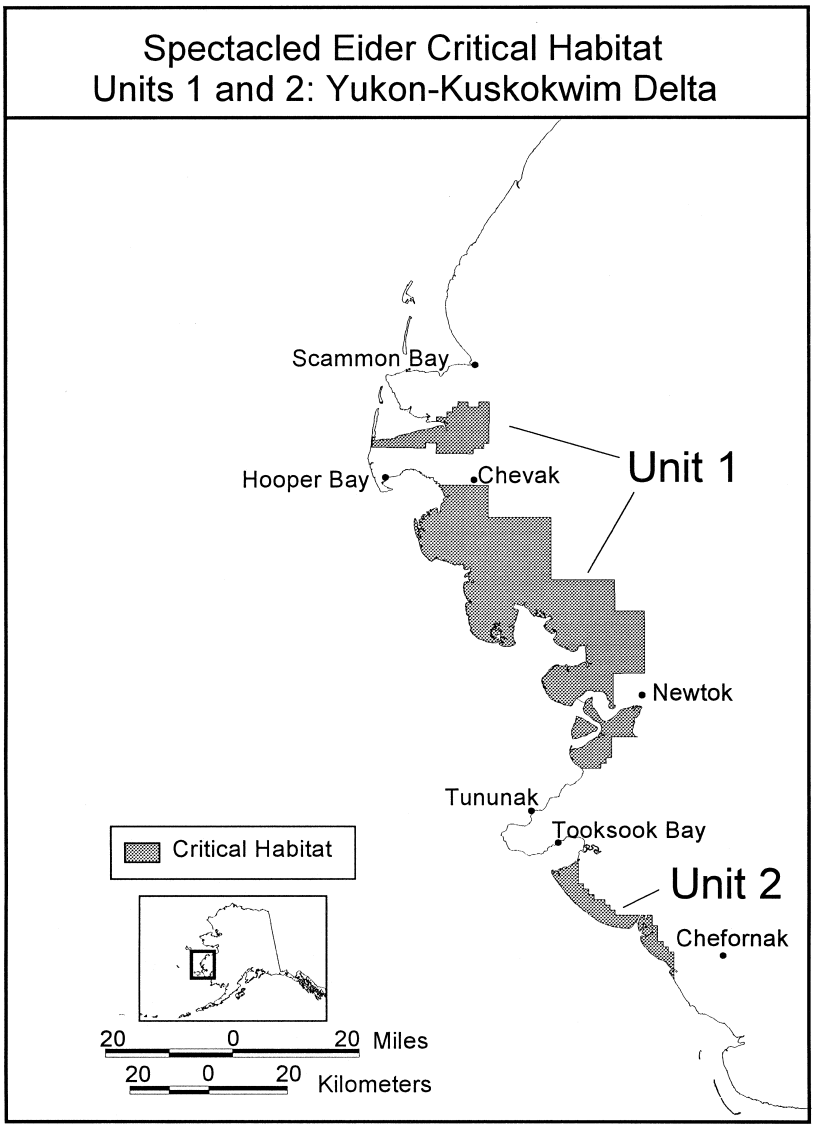
1. Critical habitat units are depicted for Unit 1 (Central Yukon-Kuskokwim Delta), Unit 2 (South Y-K Delta Unit), Unit 3 (Norton Sound), Unit 4 (Ledyard Bay), and Unit 5 (the Wintering Unit in the Bering Sea between St. Lawrence and St. Matthew Islands) for reference only. The maps provided are for informational purposes only.

2. Within these areas, the primary constituent elements are those habitat components that are essential for the primary biological needs of feeding, nesting, brood rearing, roosting, molting, migrating and wintering. The primary constituent elements for Units 1 and 2 (the Y-K Delta units) include the vegetated intertidal zone and all open water inclusions within this zone. Primary constituent elements for the Norton Sound Unit (Unit 3) and the Ledyard Bay Unit (Unit 4) include all marine waters greater than 5 m (16.4 ft) in depth and less than or equal to 25 m (82.0 ft) in depth, along with associated marine aquatic flora and

fauna in the water column, and the underlying marine benthic community. Primary constituent elements for the Wintering Unit (Unit 5) include all marine waters less than or equal to 75 m (246.1 ft) in depth, along with associated marine aquatic flora and fauna in the water column, and the underlying marine benthic community. Critical habitat does not include those areas within the boundary of any unit that do not fit the description of primary constituent elements for that unit.

3. Critical habitat does not include existing features and structures, such as buildings, roads, pipelines, utility corridors, airports, other paved areas, and other developed areas.

4. This final rule designating critical habitat for the spectacled eider uses published coordinates of prominent landmarks, when appropriate, obtained from the Dictionary of Alaska Place Names.



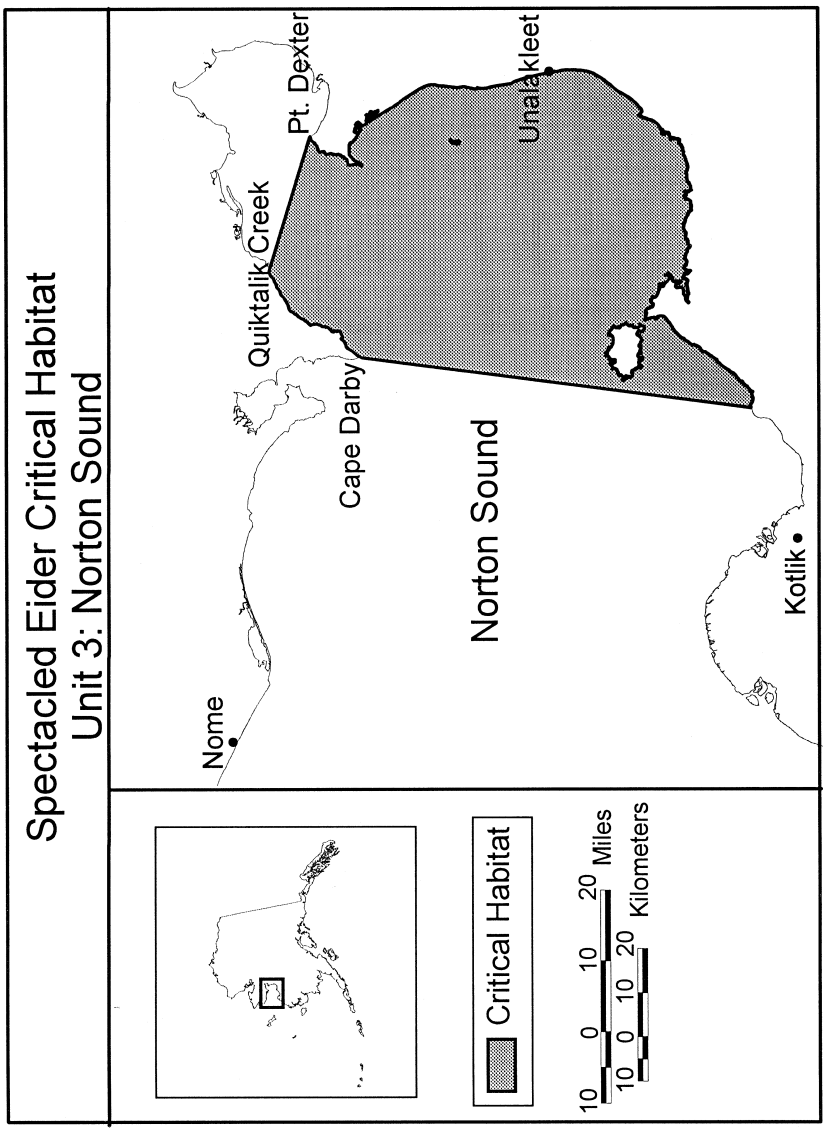
UNIT 1. CENTRAL Y-K DELTA UNIT

Seward Meridian: T19N, R91W, Sections 24, 25, 26, 33, 34, 35, 36; T19N, R90W, Sections 13, 14, 17, 18, 19–36; T18N, R90W, Sections 1–24, 26–33; T18N, R91W, Sections 1–5, 7–28, 33–36; T18N, R92W, Sections 10–30; T18N, R93W, Sections 21–27; T16N, R91W, Sections 1–36; T16N, R92W, Sections 1–4, 10–15, 21–36; T16N, R93W, Section 36;T15N, R89W, Sections 1–36; T15N, R90W, Sections 1–36; T15N, R91W, Sections 1–36; T15N, R92W, Sections 1–36; T15N, R93W, Sections 1,2, 11–14, 23–26, 36; T14N, R89W, Sections 1–36; T14N, R90W, Sections 1–36; T14N, R91W, Sections 1–29, 32–36; T14N, R92W, Sections 1–18, 24; T14N, R93W, Sections 1, 12; T13N, R87W, Sections 1–36; T13N, R88W, Sections 1–36; T13N, R89W, Sections 1–36; T13N, R90W, Sections 1–36; T13N, R91W, Sections 1–5, 8–17, 20–29, 32–36; T12N, R87W, Sections 1–

36; T12N, R88W, Sections 1–29, 31–36; T12N, R89W, Sections 1–35; T12N, R90W, Sections 1–4, 9–14, 23–25; T12N, R91W, Sections 1–36; T12N, R92W, Sections 1–4, 9–16, 21–28, 34–36; T11N, R87W, Sections 1–36; T11N, R88W, Sections 1–36, T11N, R89W, Sections 1–6, 9–12, 25–36; T11N, R91W, Sections 1–6; T10N, R88W, Sections 1–26, 29–33, 35, 36; T10N, R89W, Sections 1–35; T10N, R90W, Sections 1, 2, 11–14, 24, 25; T9N, R87W, Sections 1–35; T9N, R88W, Sections 1, 4–10, 13–36; T9N, R89W, Sections 13, 14, 23–26, 35, 36; T8N, R89W, Sections 1–5, 7–24, 26–34; T8N, R90W, Sections 1–2, 11, 13, 14, 23–26, 36;

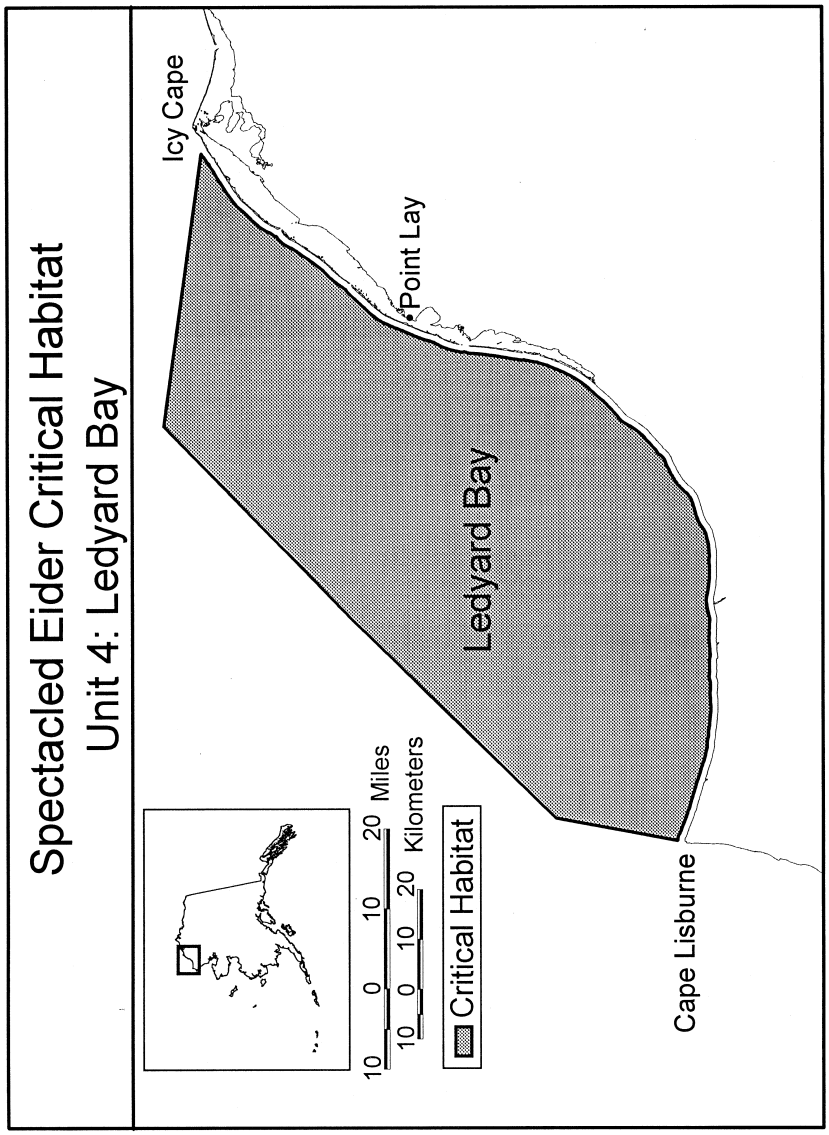
UNIT 2. SOUTH Y-K DELTA UNIT

Seward Meridian: T4N, R90W, Sections 30–32; T4N, R91W, Sections 1–3, 8–17, 20–28, 34–36; T3N, R89W, Section 19; T3N, R90W, Sections 4–11, 13–28, 34–36; T3N, R91W, Sections 1–3, 11–13; T2N, R88W, Sections 4–9, 16–22, 26–30, 32–36; T2N, R89W, Sections 1–6, 12, 13, 24; T1N, R88W, Sections 1–4, 11–14, 24–25.



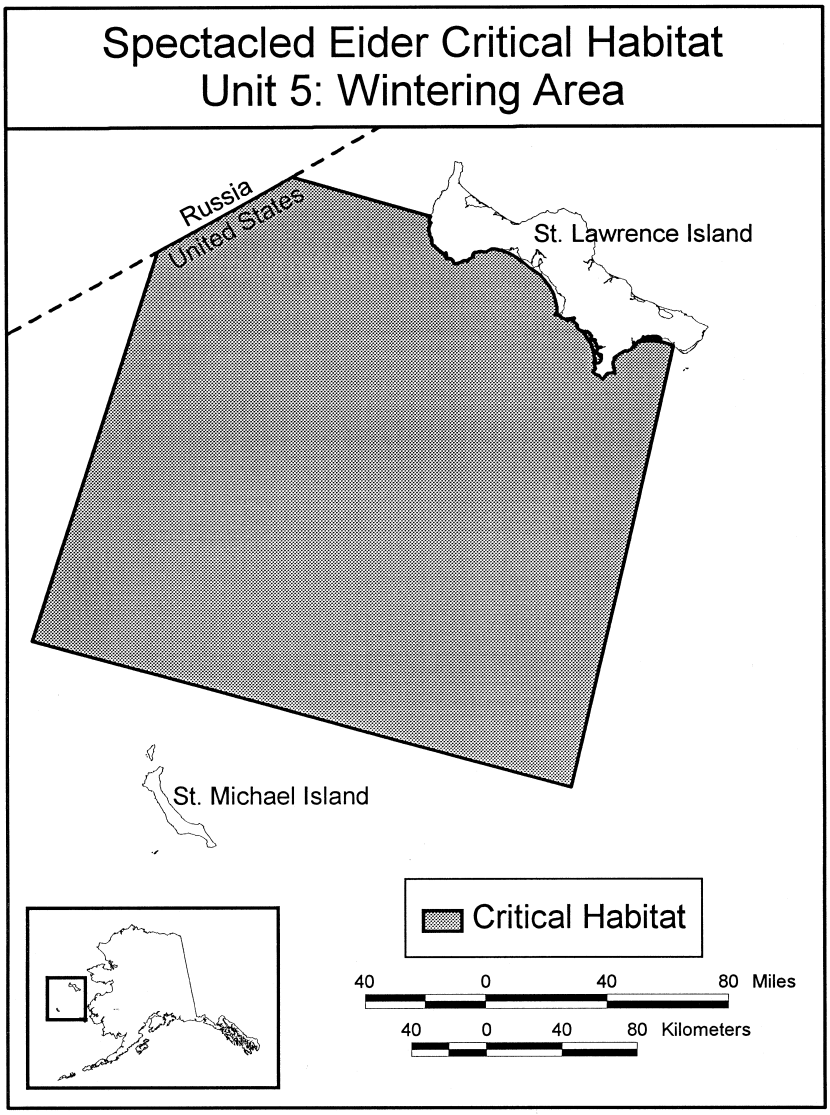
UNIT 3. NORTON SOUND UNIT

The area bound by the following description: From Cape Darby (64°19′00″ N × 162°47′00″ W) south along the line of longitude 162°47′00″ W to the opposite shore of Norton Sound (63°12′51″ N × 162°47′00″ W), thence along the mean low tide line of the Alaska coast north and east to Point Dexter (64°32′00″ N × 161°23′00″ W), thence along the great circle route to the southern bank of the mouth of Quiktalik Creek (64°36′00″ N × 162°18′00″ W), and from that point along the mean low tide line of the Alaska coast south and west to Cape Darby (64°19′00″ N × 162°47′00″ W). The lands of Stuart Island are excluded from Unit 3.



UNIT 4. LEDYARD BAY UNIT

The area bound by the following description: from the point 1 nm true north of Cape Lisburne (68°54′00″ N × 166°13′00″ W), remaining 1.0 nm offshore of the mean low tide line (maintaining a 1.0 nm buffer from the mean low tide line) of the Alaska coast north and east to 70°20′00″ N × 161°56′11″ W (1 nm offshore of Icy Cape); thence west along the line of latitude 70°20′00″ N to the point 70°20′00″ N × 164°00′00″ W; thence along a great circle route to 69°12′00″ N × 166°13′00″ W; thence due south to the point of origin1 nm true north of Cape Lisburne (68°54′00″ N × 166°13′00″ W).



UNIT 5. WINTERING AREA UNIT

The area bound by the following description: from 61°00′00″ N × 174°30′00″ W east along that latitude to 61°00′00″ N × 169°00′00″ W, north along 169°00′00″ W longitude to the south shore of St. Lawrence Island (at 63°10′18″ N × 169°00′00″ W; thence west and north along the mean low tide line of the south shore of St. Lawrence Island to 63°30′00″ N × 171°50′13″ W, west to the U.S.-Russia border at 63°30′00″ N × 173°22′45″ N, southwest along the U.S.-Russia Border to 62°58′10″ N × 174°30′00″ W, south along 174°30′00″ W to 61°00′00″ N × 174°30′00″ W.

STELLER'S EIDER (*Polysticta stelleri*)

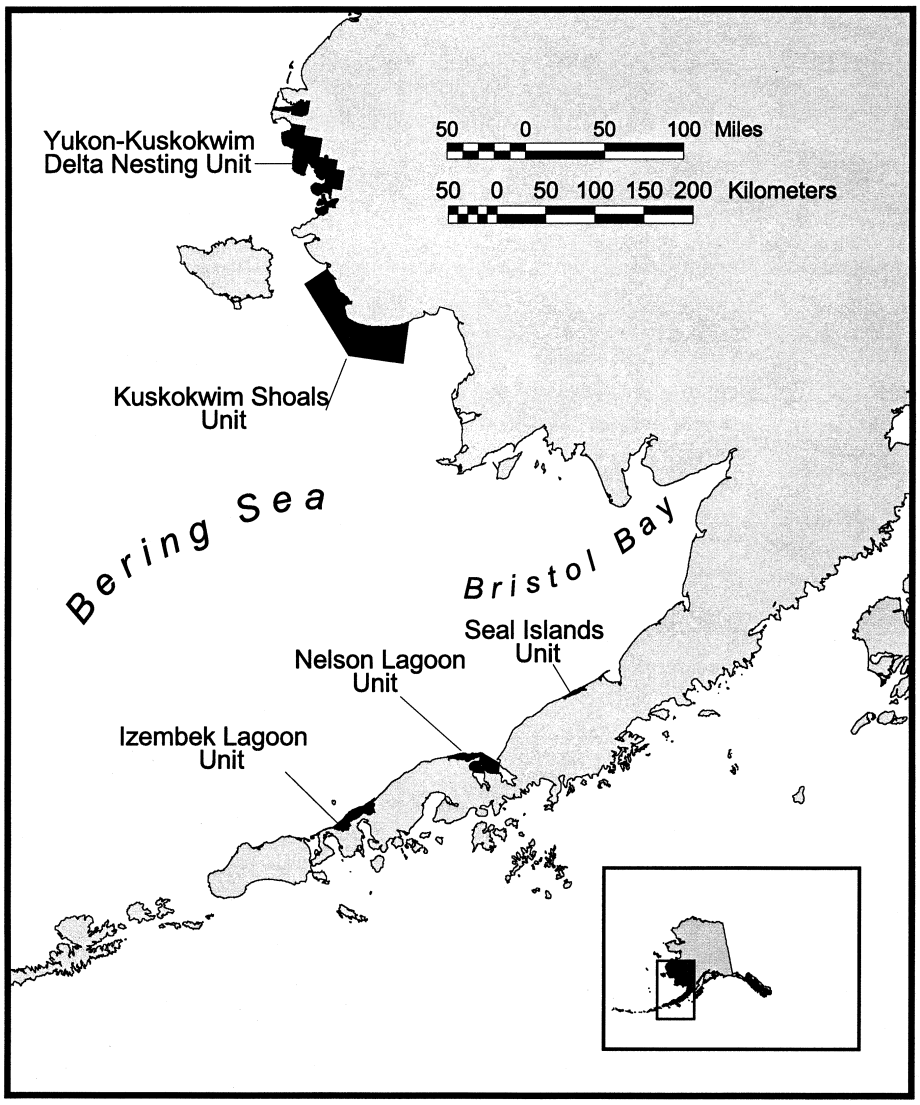
1. Critical habitat units are depicted for the Yukon—Kuskokwim Delta (Unit 1), Kuskokwim Shoals (Unit 2), Seal Islands

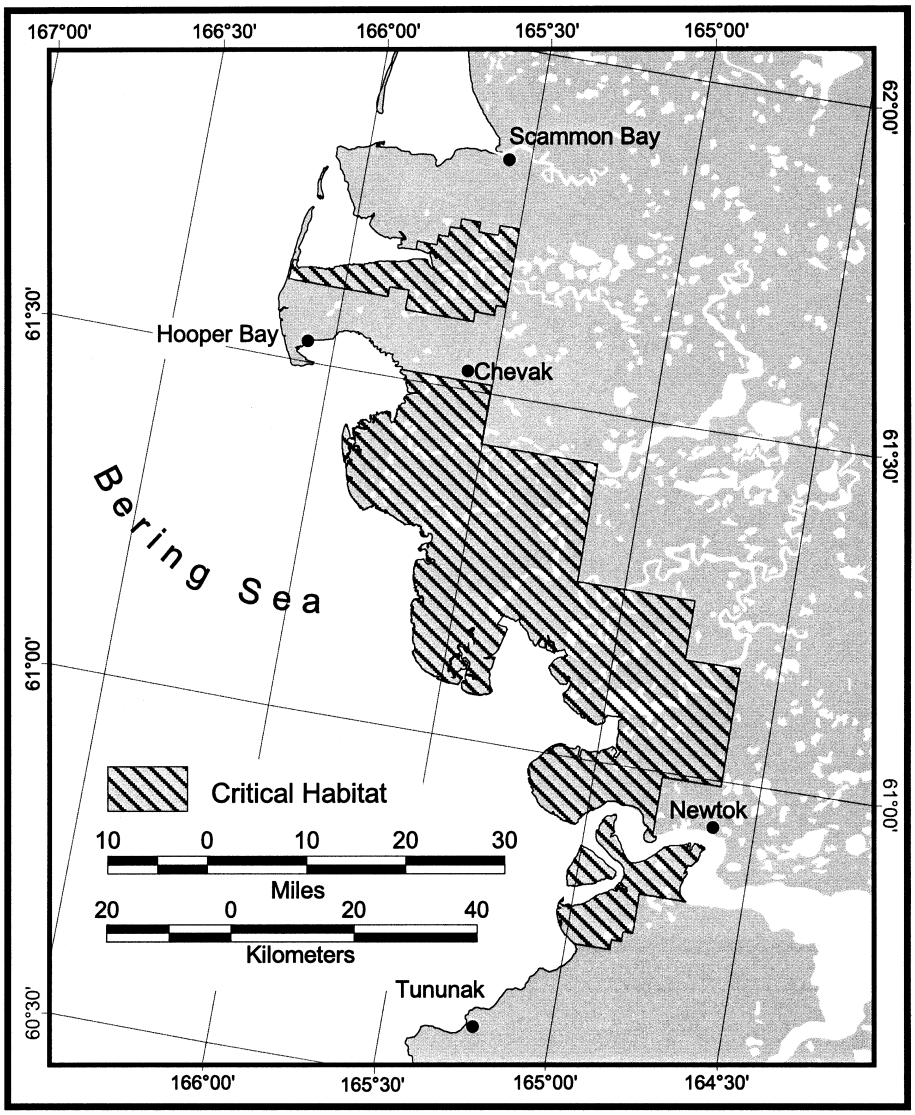
(Unit 3), Nelson Lagoon (Unit 4), and Izembek Lagoon (Unit 5) on the maps below. The maps provided are for informational purposes only; the areas in critical habitat are legally described below.

2. Within these areas, the primary constituent elements are those habitat components that are essential for the primary biological needs of feeding, roosting, molting, and wintering. The primary constituent elements for Unit 1 include the vegetated intertidal zone and all open water inclusions within this zone. The primary constituent elements for Units 2, 3, 4, and 5 are marine waters up to 9 m (30 feet) deep and the underlying substrate, the associated invertebrate fauna in the water column, the underlying marine benthic community, and where present, eelgrass beds and associated flora and fauna. Critical habitat does not include those areas within the boundary of any unit that do not fit the description of primary constituent elements for that unit.

3. Critical habitat does not include existing human structures, such as buildings, roads, pipelines, utility corridors, airports, other paved areas, docks, wharves, buoys, or other developed areas.

4. In the following maps and legal descriptions, all geographic coordinates are in North American Datum 1927.

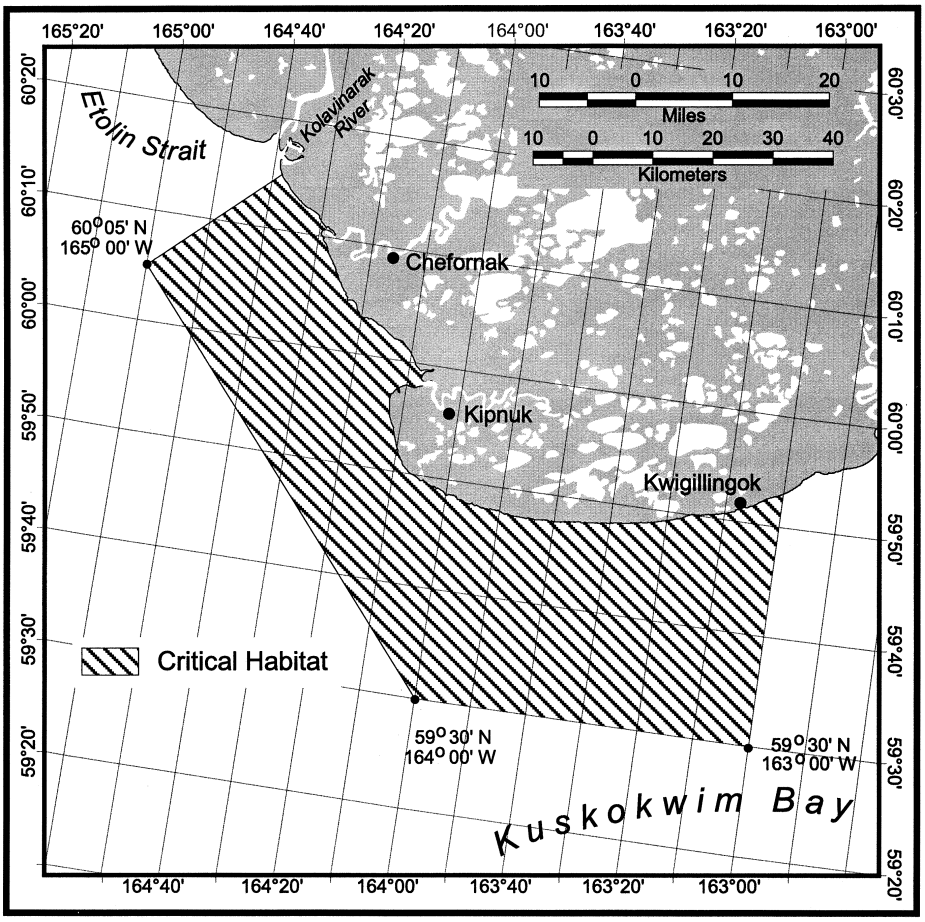

Yukon-Kuskokwim
Delta Nesting Unit
50 0 50 100 Miles
50 0 50 100 150 200 Kilometers
Kuskokwim Shoals
Unit
Bering Sea
Bristol Bay
Seal Islands
Unit
Nelson Lagoon
Unit
Izembek Lagoon
Unit



UNIT 1. YUKON—KUSKOKWIM DELTA

Seward Meridian: T19N, R91W, Sections 24, 25, 26, 33, 34, 35, 36; T19N, R90W, Sections 13, 14, 17, 18, 19–36; T18N, R90W, Sections 1–24, 26–33; T18N, R91W, Sections 1–5, 7–28, 33–36; T18N, R92W, Sections 10–30; T18N, R93W, Sections 21–27; T16N, R91W, Sections 1–36; T16N, R92W, Sections 1–4, 10–15, 21–36; T16N, R93W, Section 36; T15N, R89W, Sections 1–36; T15N, R90W, Sections 1–36; T15N, R91W, Sections 1–36; T15N, R92W, Sections 1–36; T15N, R93W, Sections 1,2, 11–14, 23–26, 36; T14N, R89W, Sections 1–36; T14N, R90W, Sections 1–36; T14N, R91W, Sections 1–29, 32–36; T14N, R92W, Sections 1–18, 24; T14N, R93W, Sections 1, 12; T13N, R87W, Sections 1–36; T13N, R88W, Sections 1–36; T13N, R89W, Sections 1–36; T13N, R90W, Sections 1–36; T13N, R91W, Sections 1–5, 8–17, 20–29, 32–36; T12N, R87W, Sections 1–36; T12N, R88W, Sections 1–29, 31–36; T12N, R89W, Sections 1–35; T12N, R90W, Sections 1–

4, 9–14, 23–25; T12N, R91W, Sections 1–36; T12N, R92W, Sections 1–4, 9–16, 21–28, 34–36; T11N, R87W, Sections 1–36; T11N, R88W, Sections 1–36, T11N, R89W, Sections 1–6, 9–12, 25–36; T11N, R91W, Sections 1–6; T10N, R88W, Sections 1–26, 29–33, 35, 36; T10N, R89W, Sections 1–35; T10N, R90W, Sections 1, 2, 11–14, 24, 25; T9N, R87W, Sections 1–35; T9N, R88W, Sections 1, 4–10, 13–36; T9N, R89W, Sections 13, 14, 23–26, 35, 36; T8N, R89W, Sections 1–5, 7–24, 26–34; T8N, R90W, Sections 1–2, 11, 13, 14, 23–26, 36.



UNIT 2. KUSKOKWIM SHOALS UNIT

Beginning at a point of land on the line of mean high tide of Etolin Strait of the Bering Sea at latitude 60°15′ North, approximately 2.5 kilometers (1.6 miles) south of the mouth of the Kolavinarak River, and the true point of beginning of the lands to be described.

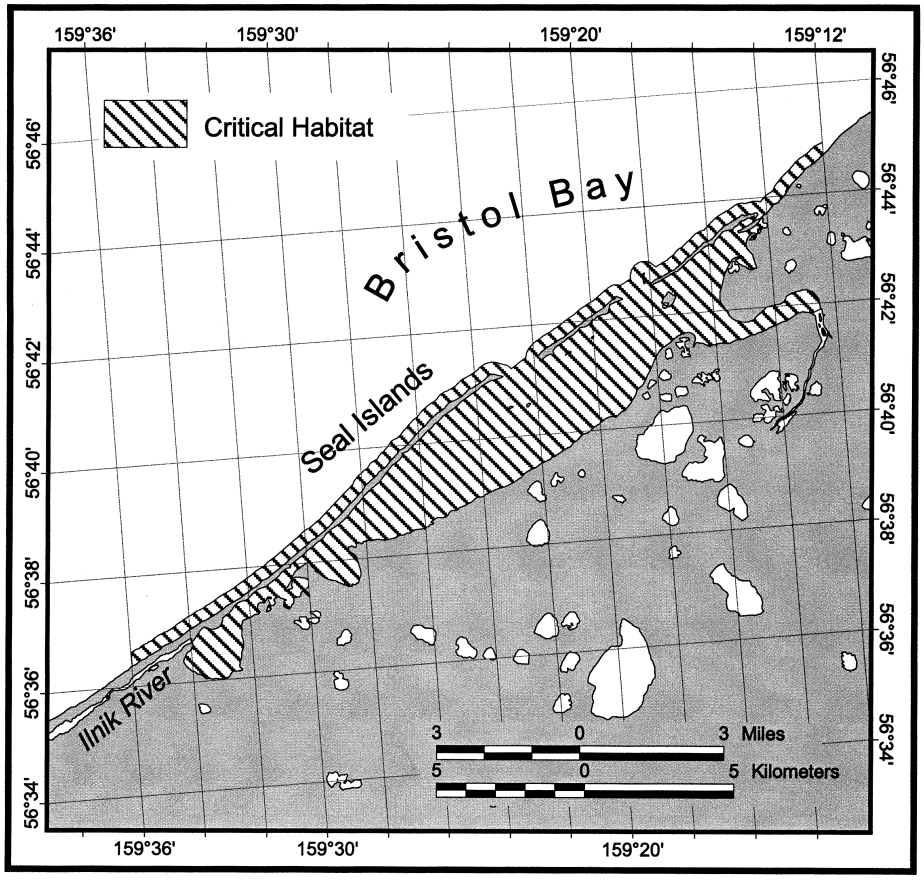
Thence southeasterly and easterly with the line of mean high tide of the Bering Sea, common with the boundary of the Yukon Delta and Alaska Maritime National Wildlife Refuges as established by the Alaska National Interest Lands Conservation Act (Public Law 96–487) on December 2, 1980, approximately 149 kilometers (93 miles), to a point on the line of mean high tide at longitude 163°00′ West, approximately 8 kilometers (5 miles) east of the Kwigillingok River mouth;

Thence south along the line of longitude 163°00′ West, approximately 43 km (27 miles), to the point in the waters of Kuskokwim Bay, Bering Sea, at latitude 59°30′ North, longitude 163°00′ West;

Thence west along the line of latitude 59°30′ North, approximately 56 kilometers (35 miles), to a point in the waters of Kuskokwim Bay, Bering Sea, at latitude 59°30′ North, longitude 164°00′ West;

Thence northwesterly, approximately 86 kilometers (54 miles), to a point in the waters of Etolin Strait, Bering Sea, at latitude 60°05′ North, longitude 165°00′ West;

Thence northeasterly, approximately 27 kilometers (17 miles), to the line of mean high tide of Etolin Strait at latitude 60°15'' North, and the true point of beginning.



UNIT 3. SEAL ISLANDS UNIT

Beginning at a point of land on the Alaska Peninsula on the line of mean high tide of Bristol Bay of the Bering Sea at longitude 159°12′ West, and the True Point of Beginning of the lands to be described.

Thence southwesterly, northeasterly, and southwesterly, with the line of mean high tide of Bristol Bay, common with the boundary of the Alaska Maritime National Wildlife Refuge as established by the Alaska National Interest Lands Conservation Act (Public Law 96–487) on December 2, 1980, to encompass the Seal Islands lagoon and closing the mouth of the Ilnik River, approximately 52 kilometers (32 miles);

Thence northwest with the line of mean high tide of Bristol Bay, common with said refuge boundary approximately 14 kilometers (9 miles) to a point at the entrance to Seal Island lagoon at approximate longitude 159°23′ West;

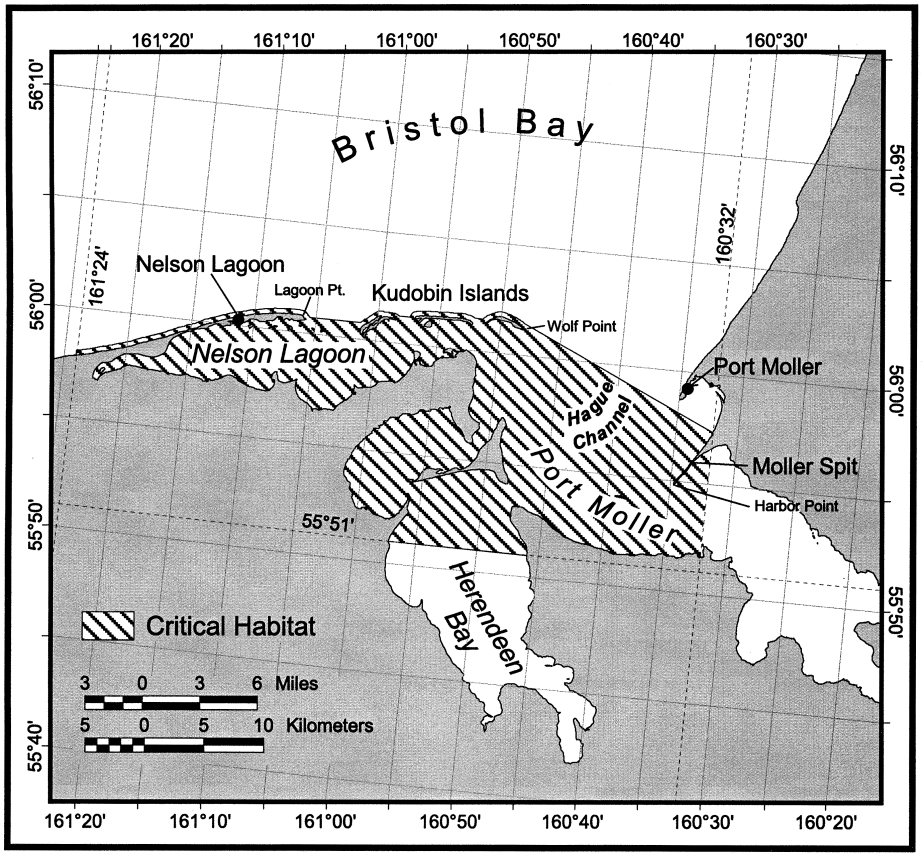
Thence southwest, with the line of mean high tide of Bristol Bay, common with said

refuge boundary, approximately 16 kilometers (10 miles) to a point at longitude 159°36′ West:

Thence north with the line of longitude 159°36′ West to a point in the waters of Bristol Bay at a distance of 400 meters (¼ mile) perpendicular to the line of mean high tide;

Thence in a northeasterly direction, parallel to the coastline of Bristol Bay and the ocean side of the Seal islands, closing the entrances to Seal Island lagoon, for approximately 30 kilometers (19 miles) to a point in Bristol Bay at longitude 159°12′ West, and at a distance of 400 meters (¼ mile) perpendicular to the line of mean high tide;

Thence south with the line of longitude 159°12′ West, to the line of mean high tide of Bristol Bay, and the True Point of Beginning.



UNIT 4. NELSON LAGOON UNIT

Beginning at a point of land on the Alaska Peninsula on the line of mean high tide of Bristol Bay of the Bering Sea, approximately 5.5 kilometers (3.4 miles) north of Harbor Point, on Moller Spit, at longitude 160°32′ West, and the True Point of Beginning of the lands to be described.

Thence southwesterly and northeasterly, with the line of mean high tide of Bristol Bay, common with the boundary of the Alaska Maritime National Wildlife Refuge as established by the Alaska National Interest Lands Conservation Act (Public Law 96–487) on December 2, 1980, approximately 10 kilometers (6.2 miles) to a point at longitude160°32′ West;

Thence south with the line of longitude 160°32′ West, crossing Port Moller, approximately 9 kilometers (5.6 miles) to a point at

the mean high tide line on the south shore of Port Moller;

Thence westerly and southerly with the line of mean high tide of Port Moller and Herendeen Bay common with said refuge boundary approximately 24 kilometers (15 miles) to a point at latitude 55°51′ North;

Thence west with the line of latitude 55°51′ North, crossing Herendeen Bay approximately 11.7 kilometers (7.3 miles) to a point at the mean high tide line on the west shore of Herendeen Bay;

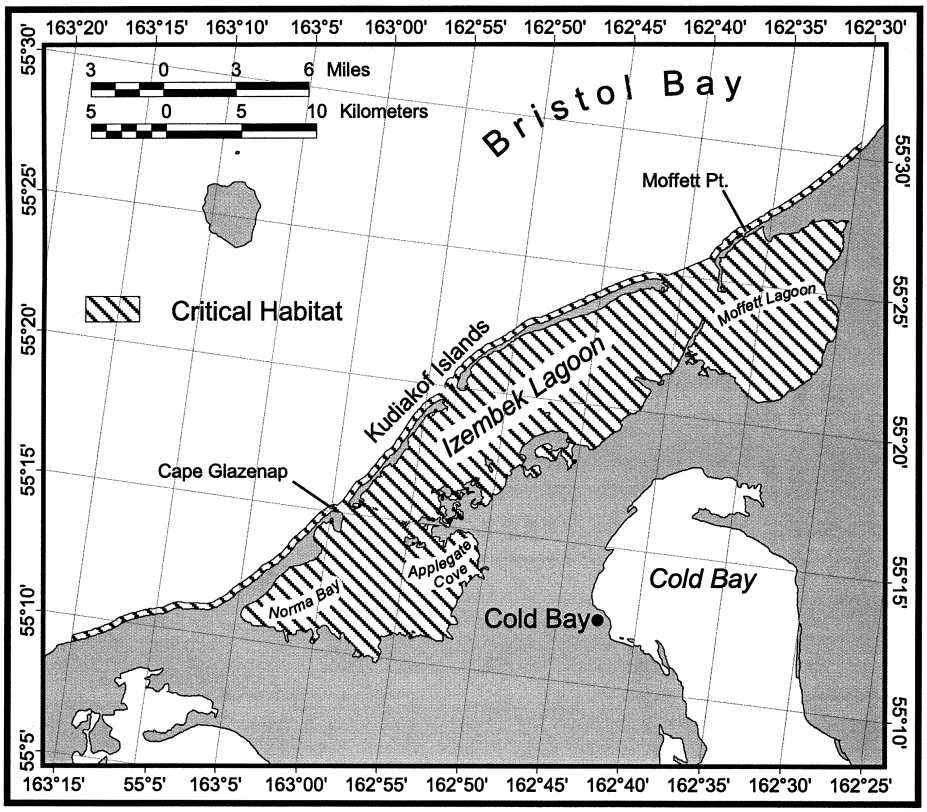
Thence northerly, westerly, and northeasterly with the line of mean high tide of Herendeen Bay and Nelson Lagoon, common with said refuge boundary; approximately 94 kilometers (58 miles) to Lagoon Point, within Section 22 of Township 48 South, Range 76 West;

Thence southwesterly with the line of mean high tide of the Bering Sea, common with said refuge boundary, approximately 20 kilometers (12 miles) to a point at longitude 161°24′ West;

Thence north along the line of longitude 161°24′ West to a point in the waters of Bristol Bay at a distance of 400 meters (¼ mile) perpendicular to the line of mean high tide;

Thence in a northeasterly direction, parallel to the coastline of Bristol Bay and the ocean side of the Kudobin Islands, approximately 40 kilometers (25 miles) to a point at longitude160°48′ West, at a distance of 400 meters (¼ mile) offshore Wolf Point on Walrus island;

Thence southeast, approximately 18 kilometers (11.1 miles), closing the entrance to the Hague Channel to a point at the mean high tide line of Port Moller at 160°32′ West, the True Point of Beginning.



UNIT 5. IZEMBEK LAGOON UNIT

Beginning at a point of land on the Alaska Peninsula on the line of mean high tide of Bristol Bay of the Bering Sea at longitude 162°30′ W and the True Point of Beginning of the lands to be described.

Thence southwesterly, with the line of mean high tide of Bristol Bay, common with the boundary of the Alaska Maritime National Wildlife Refuge as established by the Alaska National Interest Lands Conservation Act (Public Law 96–487) on December 2, 1980, approximately 9 kilometers (5.6 miles) to Moffet Point located at approximately 55°27′ N, 162°37′ W;

Thence continuing with the line of mean high tide, inside the boundary of the Izembek National Wildlife Refuge, northeasterly, southwesterly, and northeasterly to encompass Moffett and Izembek Lagoons, Applegate Cove, and Norma Bay, approximately 55 miles to Cape Glazenap, at approximately 55°15′ N, 163°00′ W;

Thence southwest with the line of mean high tide of Bristol Bay, common to the Alaska Maritime refuge boundary, approximately 177 kilometers (110 miles) to a point at longitude 163°15′ W;

Thence north along the line of longitude 163°15′ W to a point in the waters of Bristol Bay at a distance of 400 meters (¼ mile) perpendicular to the line of mean high tide;

Thence in a northeasterly direction, parallel to the coastline of Bristol Bay and the ocean side of the Kudiakof Islands, closing the entrances to Izembek Lagoon, for approximately 64 kilometers (40 miles) to a point in the waters of Bristol Bay at longitude 162°30′ W, and at a distance of 400 meters (¼ mile) perpendicular to the line of mean high tide;

Thence south along the line of longitude 162°30′ W, to the line of mean high tide and the True Point of Beginning.

OAHU ELEPAIO (*Chasiempis ibidis*)

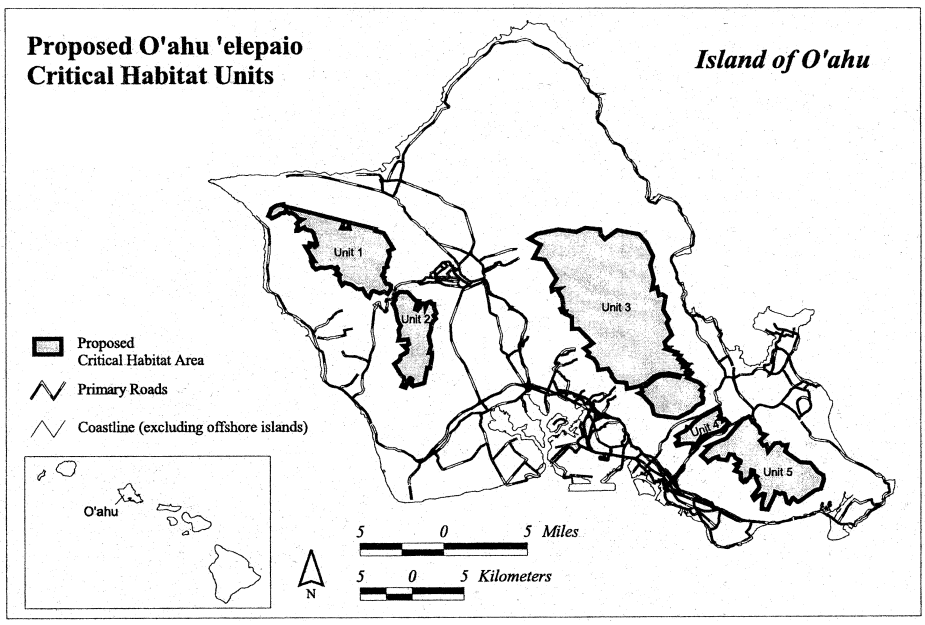
(1) Critical Habitat Units are depicted for the City and County of Honolulu on the maps below. The maps provided are for informational purposes only.

(2)(i) Within these areas, the primary constituent elements required by the Oahu elepaio are those habitat components that are essential for the biological needs of foraging, sheltering, roosting, nesting, and rearing of young. These primary constituent elements are undeveloped wet, mesic, and dry forest habitats with a generally continuous canopy and a dense understory and that are composed of native and/or introduced plant species. Such forests are found in valleys and on mountain slopes and ridges. The primary constituent elements associated with the biological needs of dispersal and genetic exchange are undeveloped wet or dry shrub land and wet or dry cliff habitats composed of native and/or introduced plant species that separate elepaio populations. Elepaio may not establish territories in shrub or cliff habitats and may use them only transiently, but undeveloped areas containing these habitats are important for linking populations by providing dispersal corridors and promoting genetic exchange among populations.

(ii) Within the forests and shrub lands providing the primary constituent elements, plant species composition varies with rainfall, elevation, and degree of habitat disturbance, and plant species occur in a variety of assemblages. Common native and introduced species within these plant assemblages include, but are not limited to, ohia (*Metrosideros polymorpha*), koa (*Acacia koa*), papala kepau (*Pisonia umbellifera*), lama (*Diospyros sandwicensis*), mamaki (*Pipturus albidus*), kaulu (*Sapindus oahuensis*), hame (*Antidesma platyphyllum*), alaa (*Pouteria sandwicensis*), aalii (*Dodonaea viscosa*), naupaka kuahiwi (*Scaevola spp.*), pukiawe (*Styphelia tameiameiae*), uluhe (*Dicranopteris linearis*), guava (*Psidium guajava*), strawberry guava (*P. cattleianum*), mango (*Mangifera indica*), kukui (*Aleurites moluccana*), christmasberry (*Schinus terebinthifolius*), ti (*Cordyline terminalis*), rose apple (*Syzygium jambos*), mountain apple (*S. malaccense*), and Java plum (*S. cumini*).

(3) Existing developed features and structures, such as buildings, roads, aqueducts, antennas, water tanks, agricultural fields, paved areas, lawns, and other urban landscaped areas, that do not contain one or more of the primary constituent elements, are not included as critical habitat.

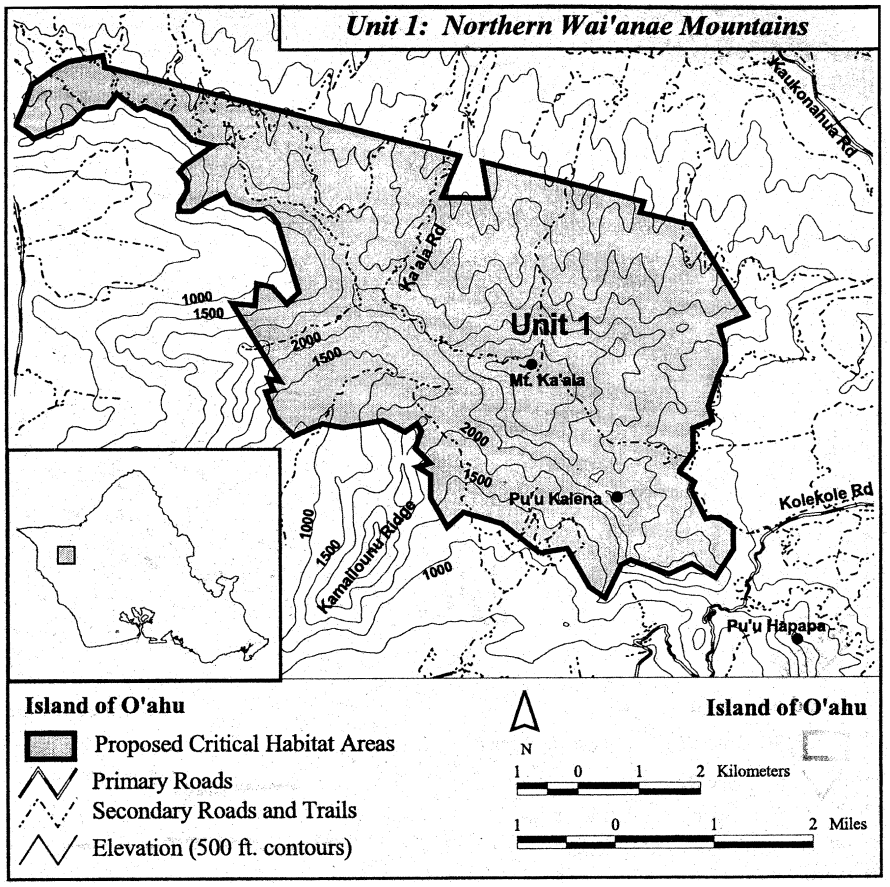
(4) Map of critical habitat units for the Oahu elepaio follows.



(5) Unit 1 (4,454 ha; 11,005 ac)

(i) Unit 1 consists of 94 boundary points with the following coordinates in UTM Zone 4 with the units in meters using North American Datum of 1983 (NAD83): 588465, 2375750; 587846, 2376228; 587213, 2376416; 586946, 2376176; 586675, 2376658; 586672, 2377028; 586468, 2377154; 586672, 2377219; 586430, 2377462; 586532, 2377741; 586464, 2377863; 586261, 2377727; 585895, 2377915; 585242, 2377801; 584907, 2377864; 584433, 2377671; 584139, 2377961; 583974, 2378388; 584099, 2378414; 584016, 2378599; 584207, 2378563; 583425, 2379849; 583801, 2379814; 583831, 2380171; 584075, 2380122; 584324, 2379841; 584526, 2380031; 584181, 2381150; 584078, 2381295; 583938, 2381385; 583738, 2381388; 583402, 2381505; 583315, 2381668; 582998, 2381518; 582785, 2381368; 582566, 2381369; 582561, 2381485; 582694, 2381702; 582685, 2381865; 582566, 2382005; 582651, 2382112; 583122, 2382432; 582768, 2382529; 582445, 2382889; 581998, 2383075; 581881, 2383019; 581546, 2383276; 581387, 2383071; 581221, 2383069; 581023, 2383019; 580811, 2382809; 580192, 2382557; 580070, 2382662; 579894, 2382772; 580060, 2383144; 580151, 2383425; 580526, 2383690; 580750, 2383802; 581314, 2383901; 581353, 2383719; 587168, 2382252; 586876, 2381574; 587645, 2381564; 587539, 2382159; 590187, 2381495; 590131, 2381324; 590955, 2381123; 591864, 2379621; 591408, 2379439; 591501, 2379125; 591510, 2378867; 591393, 2378631; 591229, 2378138; 591294, 2377905; 590979, 2377773; 590984, 2377387; 590770, 2377109; 590760, 2377063; 590999, 2376896; 590945, 2376772; 591176, 2376297; 591268, 2376320; 591426, 2376305; 591624, 2376158; 591620, 2375793; 591334, 2375340; 590950, 2375570; 590580, 2375400; 589956, 2375632; 589799, 2375555; 589539, 2375014; 589285, 2375190; 588919, 2375824; 588465, 2375750.

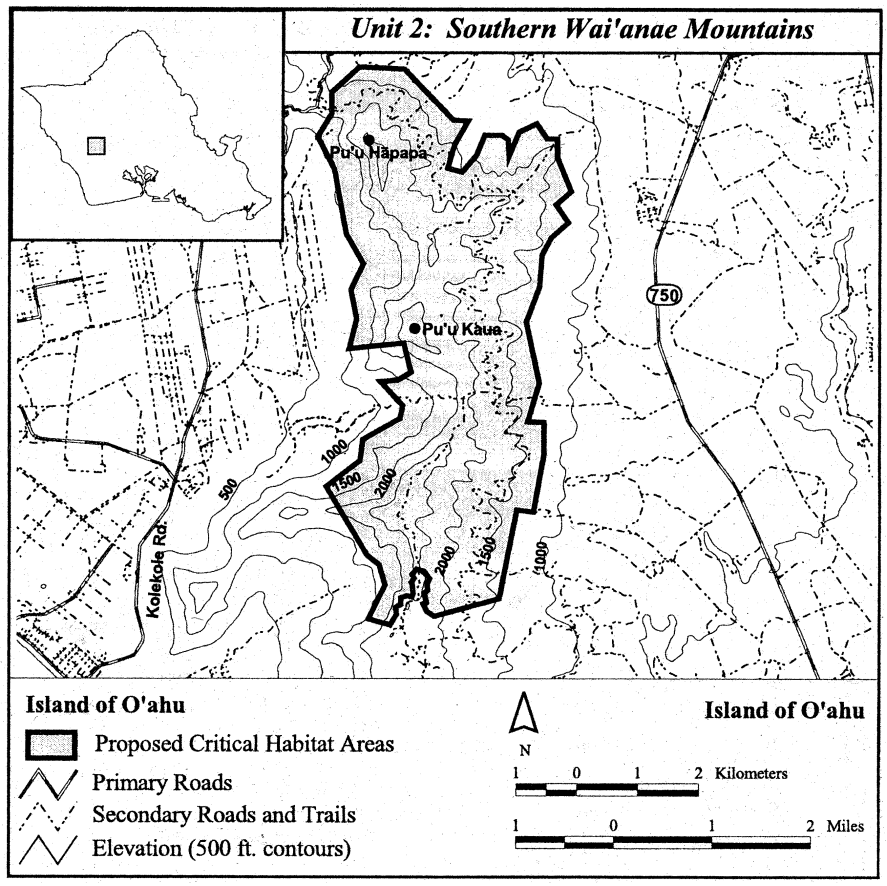
(ii) Map of Unit 1 follows.



(6) Unit 2 (2,422 ha; 5,985 ac)

(i) Unit 2 consists of 78 boundary points with the following coordinates in UTM Zone 4 with the units in meters using North American Datum of 1983 (NAD83): 592645, 2367498; 591970, 2368628; 592530, 2369066; 592575, 2369415; 593190, 2369759; 593231, 2369971; 592864, 2370362; 593156, 2370385; 593368, 2370513; 593249, 2370991; 592348, 2370899; 592469, 2371381; 592374, 2371861; 592582, 2372284; 592295, 2372774; 592100, 2373836; 591816, 2374384; 592053, 2374764; 592045, 2375115; 592504, 2375529; 593245, 2375497; 594056, 2374659; 594299, 2374644; 594081, 2374253; 593970, 2373860; 594207, 2373793; 594437, 2374070; 594578, 2374412; 594867, 2374406; 594965, 2374331; 594978, 2374067; 595140, 2374463; 595431, 2374602; 595604, 2374352; 595772, 2374351; 595782, 2374020; 596005, 2373471; 595754, 2373256; 595960, 2372960; 595678, 2372709; 595531, 2372434; 595485, 2371908; 595272, 2371337; 595489, 2370340; 595296, 2369703; 595561, 2369694; 595565, 2369178; 595390, 2368213; 595117, 2368245; 594830, 2366778; 594015, 2366560; 593884, 2366525; 593756, 2366491; 593635, 2366570; 593574, 2366695; 593629, 2366713; 593594, 2366869; 593651, 2366917; 593639, 2367019; 593682, 2367104; 593591, 2367228; 593472, 2367265; 593388, 2367176; 593425, 2367112; 593379, 2367045; 593395, 2367010; 593413, 2366861; 593391, 2366809; 593307, 2366826; 593203, 2366792; 593207, 2366684; 593121, 2366632; 593137, 2366521; 593030, 2366348; 592668, 2366451; 592945, 2366998; 592852, 2367332; 592645, 2367498.

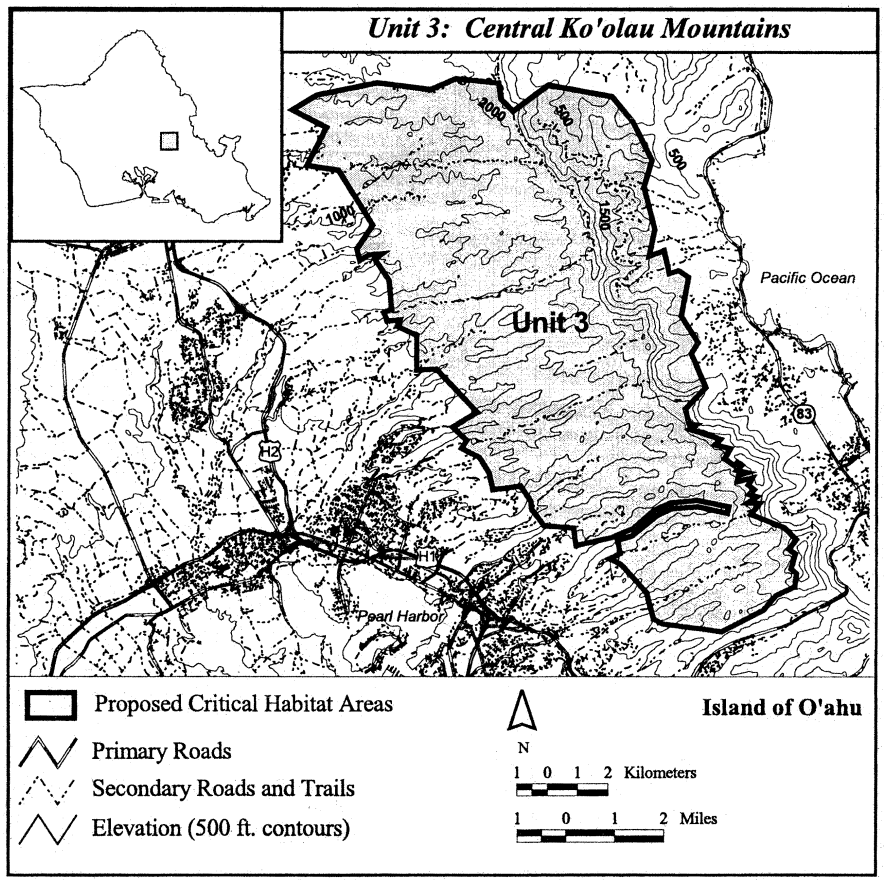
(ii) Map of Unit 2 follows.



(7) Unit 3 (14,801 ha; 36,573 ac)

(i) Unit 3 consists of 108 boundary points with the following coordinates in UTM Zone 4 with the units in meters using North American Datum of 1983 (NAD83): 615481, 2366443; 614313, 2366190; 614232, 2366761; 613262, 2366836; 612845, 2367394; 612829, 2367639; 612488, 2368140; 611561, 2368027; 611448, 2368566; 611117, 2369088; 610523, 2369387; 610693, 2369643; 610226, 2370083; 611040, 2370565; 609681, 2371985; 609025, 2371951; 609034, 2373100; 608391, 2373401; 608469, 2373609; 608065, 2373567; 607941, 2373859; 608199, 2373978; 608109, 2374925; 607637, 2375635; 607869, 2375817; 607456, 2375780; 607136, 2375598; 607046, 2375977; 607565, 2376766; 606428, 2378568; 605381, 2378725; 606026, 2379972; 604900, 2380551; 605708, 2381032; 607698, 2381439; 609468, 2381214; 610319, 2381573; 611728, 2381425; 611797, 2380904; 612201, 2380506; 613364, 2381362; 615459, 2380980; 616152, 2380161; 616780, 2378903; 616513, 2378013; 616873, 2376632; 616699, 2375737; 617180, 2375933; 617356, 2375158; 617664, 2375259; 617994, 2375029; 617757, 2373739; 618311, 2372859; 618082, 2372506; 618563, 2371385; 617894, 2370668; 618022, 2370181; 618247, 2370148; 618043, 2370014; 619043, 2369685; 618878, 2369509; 619381, 2369376; 619182, 2369040; 619525, 2368805; 619611, 2368922; 619747, 2368829; 619588, 2368664; 619928, 2368585; 619650, 2368496; 619614, 2368284; 620097, 2368401; 619967, 2368174; 620164, 2368022; 620005, 2367870; 620257, 2367795; 619954, 2367590; 620341, 2367572; 620055, 2367214; 621150, 2366779; 621549, 2366388; 621302, 2366064; 621511, 2365913; 621381, 2365424; 621553, 2365265; 621489, 2364827; 620880, 2364530; 620469, 2364040; 619115, 2363338; 617176, 2363590; 616868, 2363761; 616638, 2364642; 615913, 2365439; 615777, 2365575; 615420, 2365753; 615767, 2365918; 615684, 2366361; 616156, 2366495; 616990, 2367187; 617469, 2367398; 618312, 2367466; 619282, 2367250; 619336, 2367460; 618293, 2367672; 617426, 2367594; 616876, 2367352; 616189, 2366748; 615713, 2366555; 615481, 2366443.

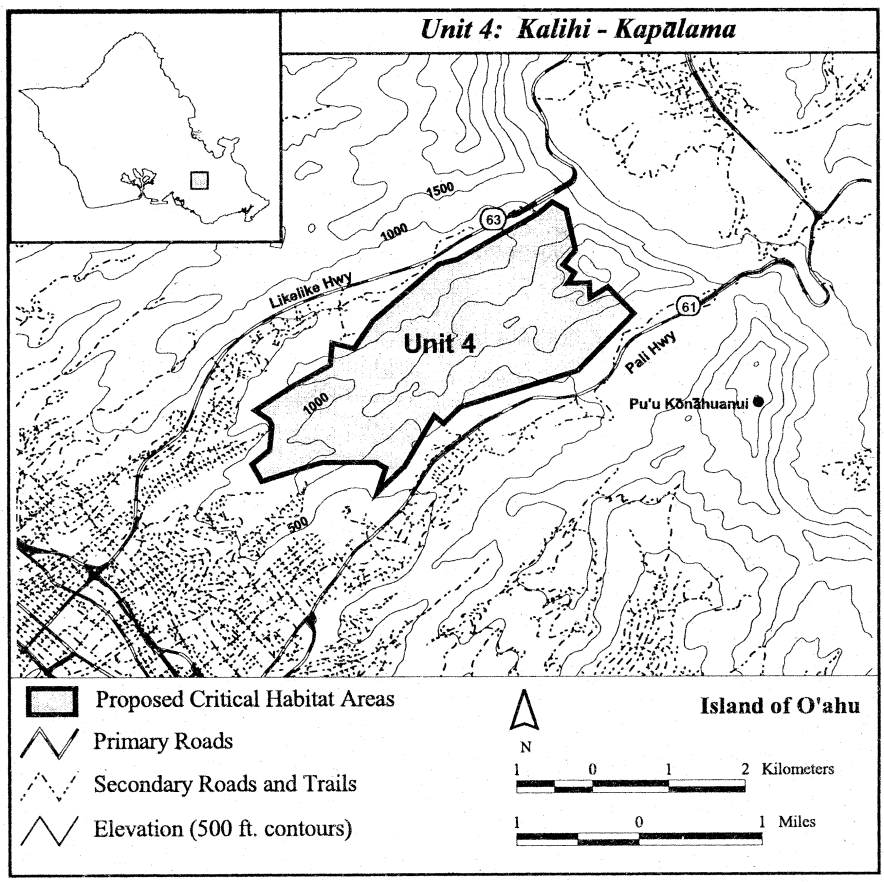
(ii) Map of Unit 3 follows.



(8) Unit 4 (804 ha; 1,987 ac)

(i) Unit 4 consists of 35 boundary points with the following coordinates in UTM Zone 4 with the units in meters using North American Datum of 1983 (NAD83): 619449, 2361897; 619967, 2362184; 619999, 2362473; 620286, 2362404; 620537, 2362773; 621409, 2363520; 621660, 2363584; 622719, 2364191; 622901, 2364348; 623091, 2364242; 623209, 2363699; 623046, 2363507; 623201, 2363403; 623106, 2363264; 623391, 2363271; 623404, 2363073; 623634, 2363216; 623976, 2362864; 623238, 2362105; 621688, 2361633; 621467, 2361418; 621345, 2361518; 620954, 2360860; 620598, 2360514; 620700, 2360831; 620572, 2360908; 619869, 2360908; 619670, 2360852; 619064, 2360661; 618935, 2360886; 619170, 2361072; 619199, 2361402; 619163, 2361470; 618977, 2361595; 619449, 2361897.

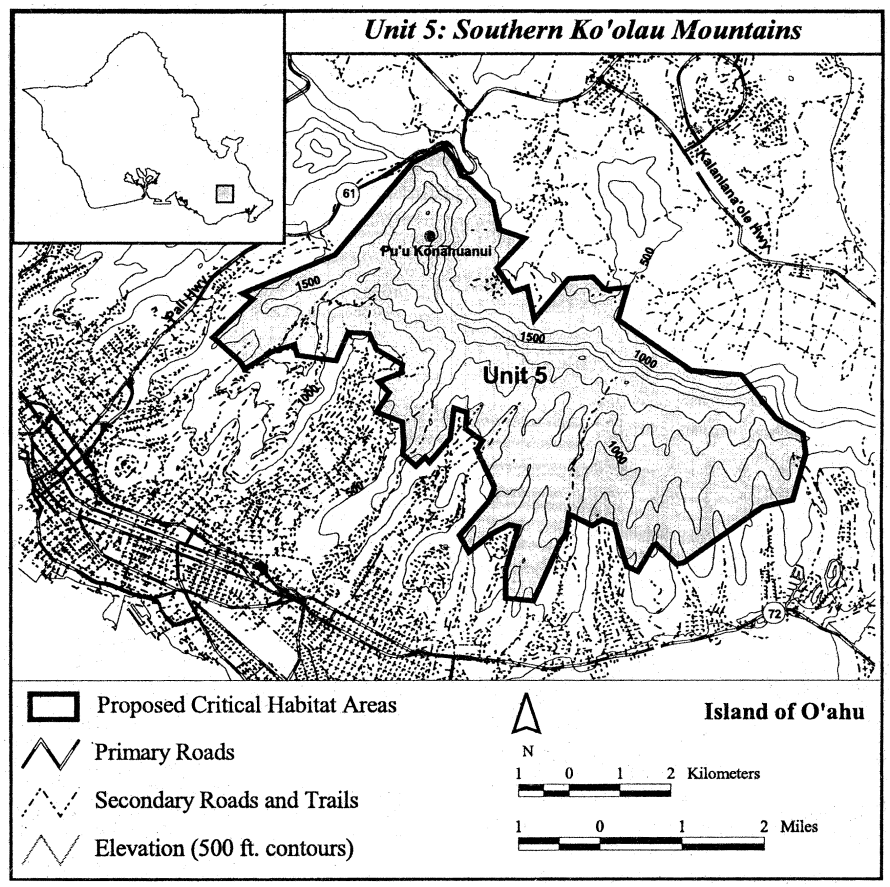
(ii) Map of Unit 4 follows.



(9) Unit 5 (4,180 ha; 10,329 ac)

(i) Unit 5 consists of 78 boundary points with the following coordinates in UTM Zone 4 with the units in meters using North American Datum of 1983 (NAD83): 626915, 2356759; 626560, 2357502; 626675, 2357669; 626333, 2357906; 626359, 2358234; 626110, 2358313; 626031, 2357725; 625623, 2357254; 625538, 2357354; 625351, 2357186; 625091, 2357420; 625118, 2357617; 625085, 2358039; 624568, 2358236; 624821, 2358624; 624612, 2358850; 625059, 2359019; 625083, 2359182; 624571, 2359489; 624430, 2359798; 624013, 2359828; 623768, 2359261; 623004, 2359366; 622941, 2359584; 622499, 2359435; 621968, 2359088; 621864, 2359256; 621335, 2359722; 622127, 2360488; 621920, 2360603; 623746, 2361359; 625281, 2363179; 625896, 2363475; 626109, 2363219; 626146, 2363135; 626234, 2362910; 626392, 2362857; 626871, 2362399; 626986, 2361859; 627500, 2361686; 626946, 2361095; 627268, 2360638; 627548, 2360727; 627690, 2360077; 628361, 2360895; 628839, 2360922; 629079, 2360676; 629519, 2360722; 629341, 2360070; 630776, 2359069; 631754, 2358982; 632440, 2358108; 632959, 2357815; 633019, 2357425; 632769, 2356517; 632191, 2356385; 630620, 2355286; 630491, 2355266; 630104, 2355644; 630041, 2355624; 629732, 2355117; 629510, 2355214; 629279, 2356032; 629033, 2356130; 628836, 2356015; 628378, 2356236; 628317, 2355841; 628209, 2355703; 627673, 2354542; 627125, 2354591; 627125, 2355143; 627381, 2355990; 627200, 2356033; 626832, 2355846; 626399, 2355498; 626215, 2355823; 626806, 2356493; 626915, 2356759.

(ii) Map of Unit 5 follows.



SOUTHWESTERN WILLOW FLYCATCHER
(*Empidonax traillii extimus*)

(1) Critical habitat units are depicted for Inyo, Kern, Los Angeles, Riverside, Santa Barbara, San Bernardino, San Diego, and Ventura Counties in California; Clark, Lincoln, and Nye Counties in southern Nevada; Kane, San Juan, and Washington Counties in southern Utah; Alamosa, Conejos, Costilla, and La Plata Counties in southern Colorado; Apache, Cochise, Gila, Graham, Greenlee, La Paz, Maricopa, Mohave, Pima, Pinal, Santa Cruz, and Yavapai Counties in Arizona; and Catron, Grant, Hidalgo, Mora, Rio Arriba, Socorro, Taos, and Valencia Counties in New Mexico on the maps and as described below.

(2) Within these areas, the primary constituent elements of the physical and biological features essential to the conservation of the southwestern willow flycatcher consist of two components:

(i) *Riparian vegetation.* Riparian habitat along a dynamic river or lakeside, in a natural or manmade successional environment (for nesting, foraging, migration, dispersal, and shelter) that is comprised of trees and shrubs (that can include Gooddings willow, coyote willow, Geyer's willow, arroyo willow, red willow, yewleaf willow, pacific willow, boxelder, tamarisk, Russian olive, buttonbush, cottonwood, stinging nettle, alder, velvet ash, poison hemlock, blackberry, seep willow, oak, rose, sycamore, false indigo, Pacific poison ivy, grape, Virginia creeper, Siberian elm, and walnut) and some combination of:

(A) Dense riparian vegetation with thickets of trees and shrubs that can range in height from about 2 meters (m) to 30 m (about 6 feet (ft) to 98 ft). Lower-stature thickets (2 to 4 m or 6 to 13 ft tall) are found at higher elevation riparian forests, and tall-

stature thickets are found at middle- and lower-elevation riparian forests;

(B) Areas of dense riparian foliage at least from the ground level up to approximately 4 m (13 ft) above ground or dense foliage only at the shrub or tree level as a low, dense canopy;

(C) Sites for nesting that contain a dense (about 50 percent to 100 percent) tree or shrub (or both) canopy (the amount of cover provided by tree and shrub branches measured from the ground);

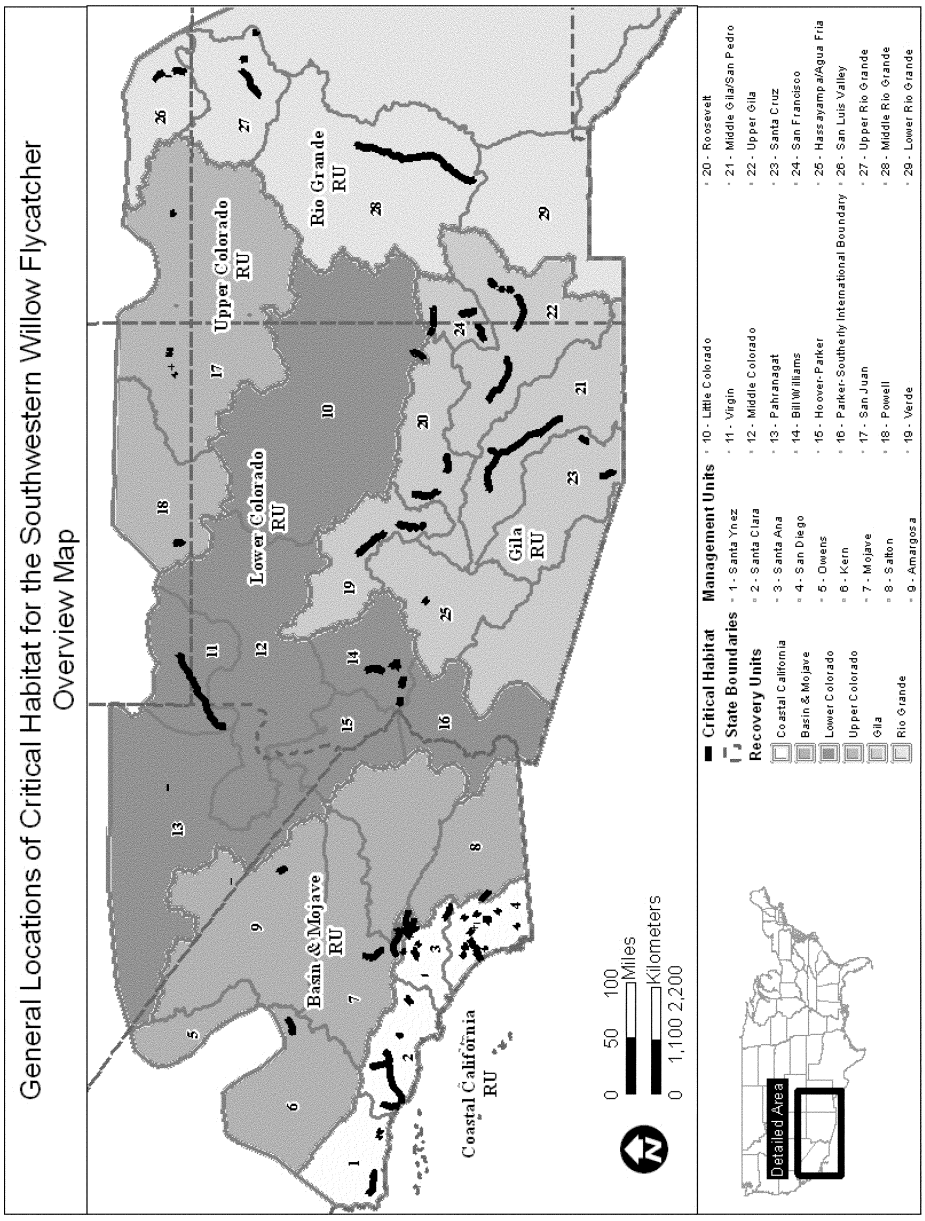
(D) Dense patches of riparian forests that are interspersed with small openings of open water or marsh or areas with shorter and sparser vegetation that creates a variety of habitat that is not uniformly dense. Patch size may be as small as 0.1 hectare (ha) (0.25 acre (ac)) or as large as 70 ha (175 ac).

(ii) *Insect prey populations.* A variety of insect prey populations found within or adjacent to riparian floodplains or moist environments, which can include: flying ants, wasps, and bees (Hymenoptera); dragonflies (Odonata); flies (Diptera); true bugs (Hemiptera); beetles (Coleoptera); butterflies, moths, and caterpillars (Lepidoptera); and spittlebugs (Homoptera).

(3) Critical habitat does not include manmade structures (such as buildings, aqueducts, runways, roads, and other paved areas) and the land on which they are located existing within the legal boundaries on February 4, 2013.

(4) *Critical habitat map units.* Data layers defining map units were created in two steps. First, the linear segments were mapped from the National Hydrologic Dataset using USA Contiguous Equidistant Conic (North American Datum 1983) coordinates. Next, the lateral extents were digitized over the most recent available aerial photography using Albers Equal Area Conic (North American Datum 1983) coordinates. The maps in this entry, as modified by any accompanying regulatory text, establish the boundaries of the critical habitat designation. The coordinates or plot points or both on which each map is based are available to the public at the field office internet site (*http://www.fws.gov/southwest/es/arizona/*), *http://www.regulations.gov* at Docket No. FWS–R2–ES–2011–0053, and at the Arizona Ecological Services Office. The textual description for each critical habitat unit below includes the Universal Transverse Mercator (UTM) zone and UTM easting (E) and northing (N) coordinate pairs for the starting and ending points.

(5) Index map of southwestern willow flycatcher critical habitat units follows:

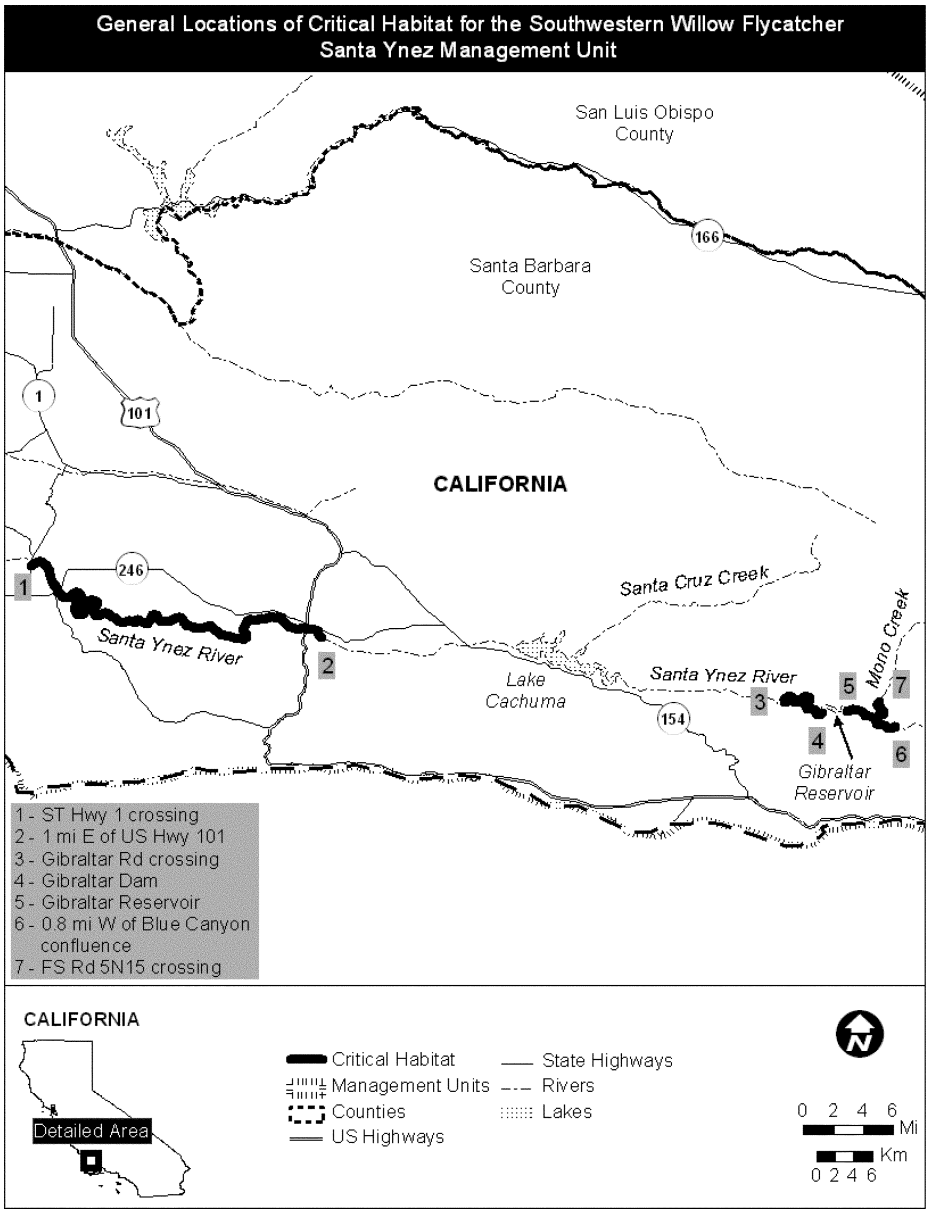


(6) Santa Ynez Management Unit.
(i)

Stream segment	Start: UTM Zone, E, N	End: UTM Zone, E, N
Santa Ynez River (east)	11, 259890, 3821926	11, 255550, 3823716.
Santa Ynez River (middle)	11, 253343, 3823606	11, 249967, 3824847.

Stream segment	Start: UTM Zone, E, N	End: UTM Zone, E, N
Santa Ynez River (west)	10, 759116, 3832075	10, 732972, 3839168.
Mono Creek	11, 258529, 3824766	11, 258310, 3822974.

(ii) Map of Santa Ynez Management Unit follows:

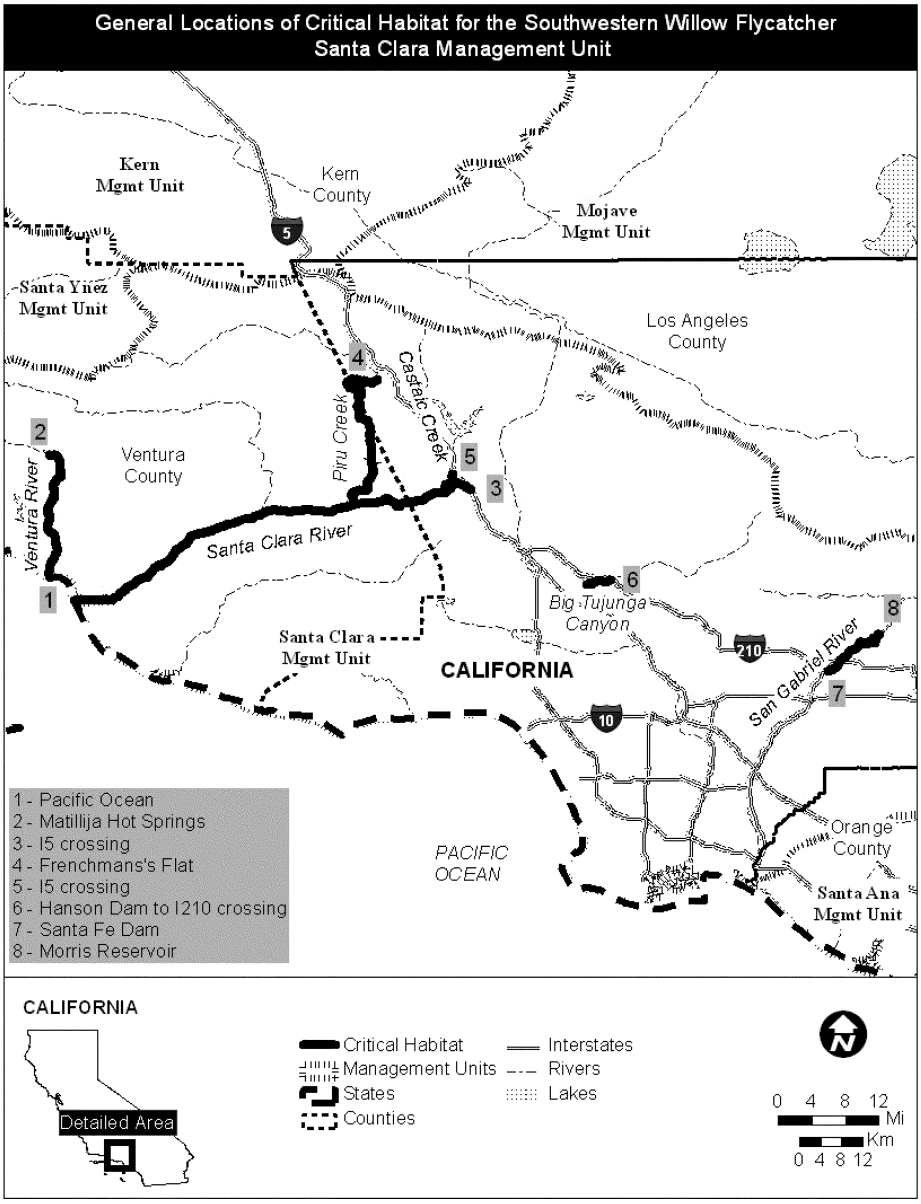


(7) Santa Clara Management Unit.
(i)

Stream segment	Start: UTM Zone, E, N	End: UTM Zone, E, N
Ventura River	11, 287996, 3818329	11, 287559, 3794961.
Santa Clara River	11, 354467, 3810419	11, 291354, 3790556.

Stream segment	Start: UTM Zone, E, N	End: UTM Zone, E, N
Piru Creek	11, 339998, 3831805	11, 335776, 3807951.
Castaic Creek	11, 351629, 3813373	11, 350055, 3809756.
Big Tujunga Canyon Creek	11, 376326, 3792941	11, 372432, 3792049.
San Gabriel River	11, 418737, 3781999	11, 410558, 3775011.

(ii) Map of Santa Clara Management Unit follows:

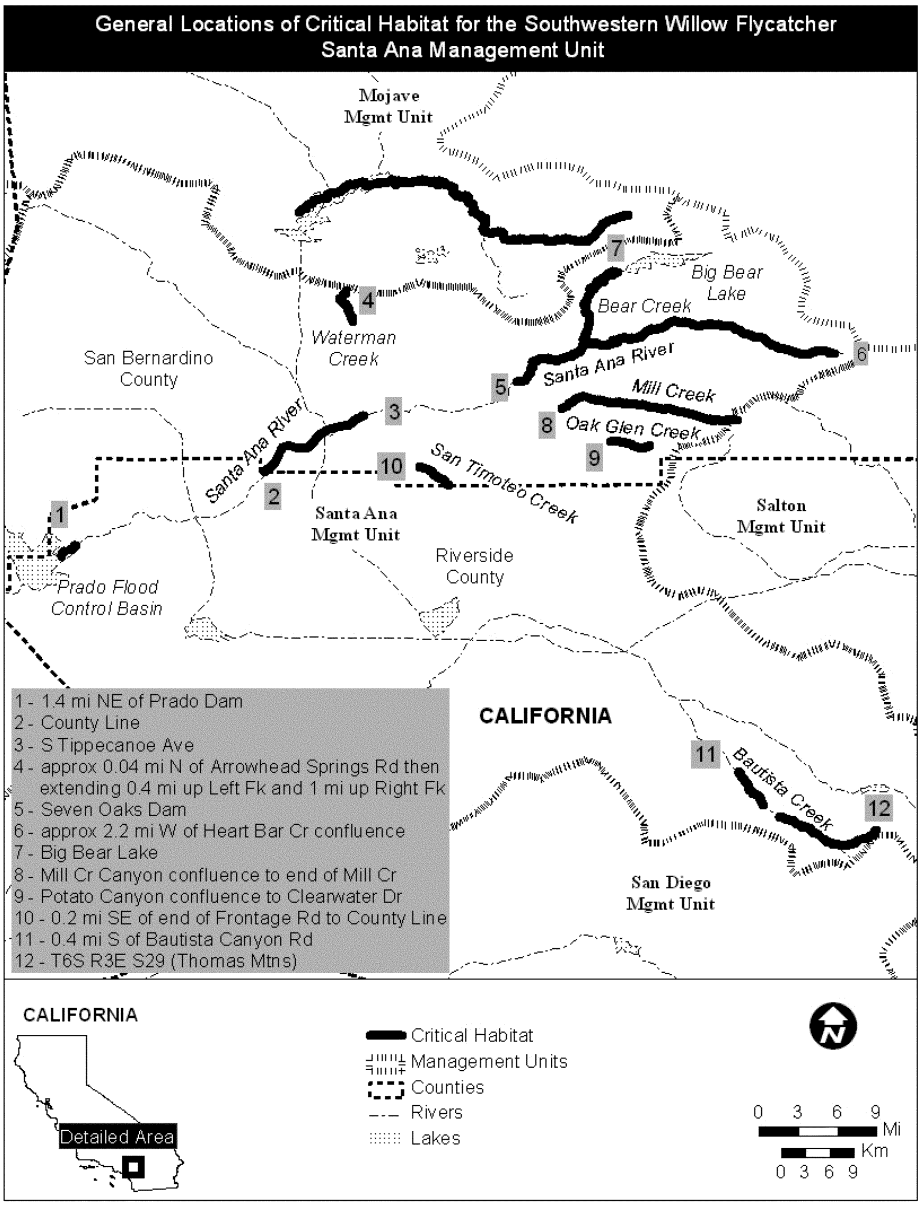


(8) Santa Ana Management Unit.
(i)

Stream segment	Start: UTM Zone, E, N	End: UTM Zone, E, N
Santa Ana River (east)	11, 524293, 3778965	11, 491603, 3775416.
Santa Ana River (middle)	11, 476054, 3771257	11, 465807, 3764349.
Santa Ana River (west)	11, 446395, 3755315	11, 445684, 3754790.

Stream segment	Start: UTM Zone, E, N	End: UTM Zone, E, N
Santa Ana River (west)	11, 445183, 3754633	11, 444806, 3753995.
Waterman Creek (left fork)	11, 473453, 3785826	11, 473755, 3785448.
Waterman Creek (right fork)	11, 474240, 3786803	11, 473755, 3785448.
Waterman Creek	11, 474905, 3782822	11, 473755, 3785448.
Bear Creek	11, 502121, 3788996	11, 498606, 3779948.
Mill Creek	11, 513502, 3770687	11, 496356, 3772092.
Oak Glen Creek	11, 505534, 3767595	11, 501351, 3768018.
San Timoteo Creek	11, 484708, 3762642	11, 481625, 3764986.
Bautista Creek (east)	11, 528791, 3720143	11, 527304, 3719071.
Bautista Creek (middle)	11, 526904, 3718922	11, 518771, 3721743.
Bautista Creek (west)	11, 517140, 3723124	11, 514531, 3727407.

(ii) Map of Santa Ana Management Unit follows:

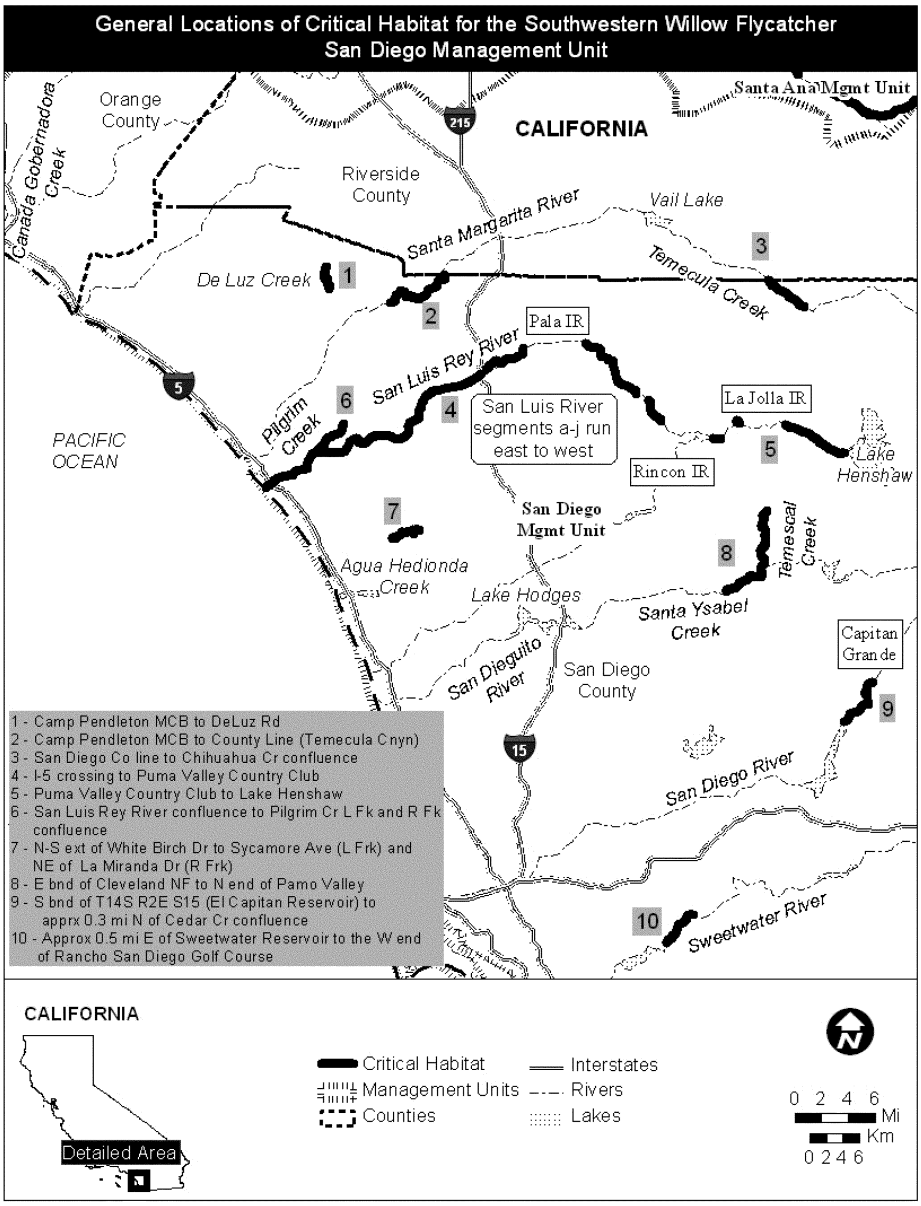


(9) San Diego Management Unit.
(i)

Stream segment	Start: UTM Zone, E, N	End: UTM Zone, E, N
DeLuz Creek	11, 469888, 3700258	11, 470085, 3697512.
Santa Margarita River	11, 481662, 3699235	11, 476206, 3695949.
Temecula Creek	11, 517749, 3695379	11, 514170, 3698604.

Stream segment	Start: UTM Zone, E, N	End: UTM Zone, E, N
Pilgrim Creek	11, 471495, 3681452	11, 468703, 3677979.
San Luis Rey (a)	11, 521911, 3678001	11, 515935, 3681292.
San Luis Rey (b)	11, 511327, 3681486	11, 510983, 3681512.
San Luis Rey (c)	11, 509443, 3679678	11, 508633, 3679673.
San Luis Rey (d)	11, 503450, 3681703	11, 502102, 3684334.
San Luis Rey (e)	11, 500948, 3684975	11, 497954, 3689280.
San Luis Rey (f)	11, 497754, 3689394	11, 497376, 3690144.
San Luis Rey (g)	11, 497295, 3690329	11, 496153, 3690759.
San Luis Rey (h)	11, 496081, 3690813	11, 495783, 3690993.
San Luis Rey (i)	11, 489568, 3690435	11, 485862, 3687887.
San Luis Rey (j)	11, 485350, 3687335	11, 463676, 3673857.
Agua Hedionda Creek (right fork)	11, 478544, 3668255	11, 478368, 3668540.
Agua Hedionda Creek (left fork)	11, 479102, 3668675	11, 478368, 3668540.
Agua Hedionda Creek (east)	11, 478368, 3668540	11, 477313, 3668413.
Agua Hedionda Creek (west)	11, 477300, 3668395	11, 476338, 3667736.
Santa Ysabel River	11, 510002, 3661282	11, 513775, 3664649.
San Diego River (north)	11, 524742, 3650609	11, 524200, 3648866.
San Diego River (south)	11, 524334, 3648051	11, 521806, 3645774.
Sweetwater River (east)	11, 506745, 3622685	11, 505588, 3621746.
Sweetwater River (west)	11, 505445, 3621626	11, 503989, 3619356.

(ii) Map of San Diego Management Unit follows:



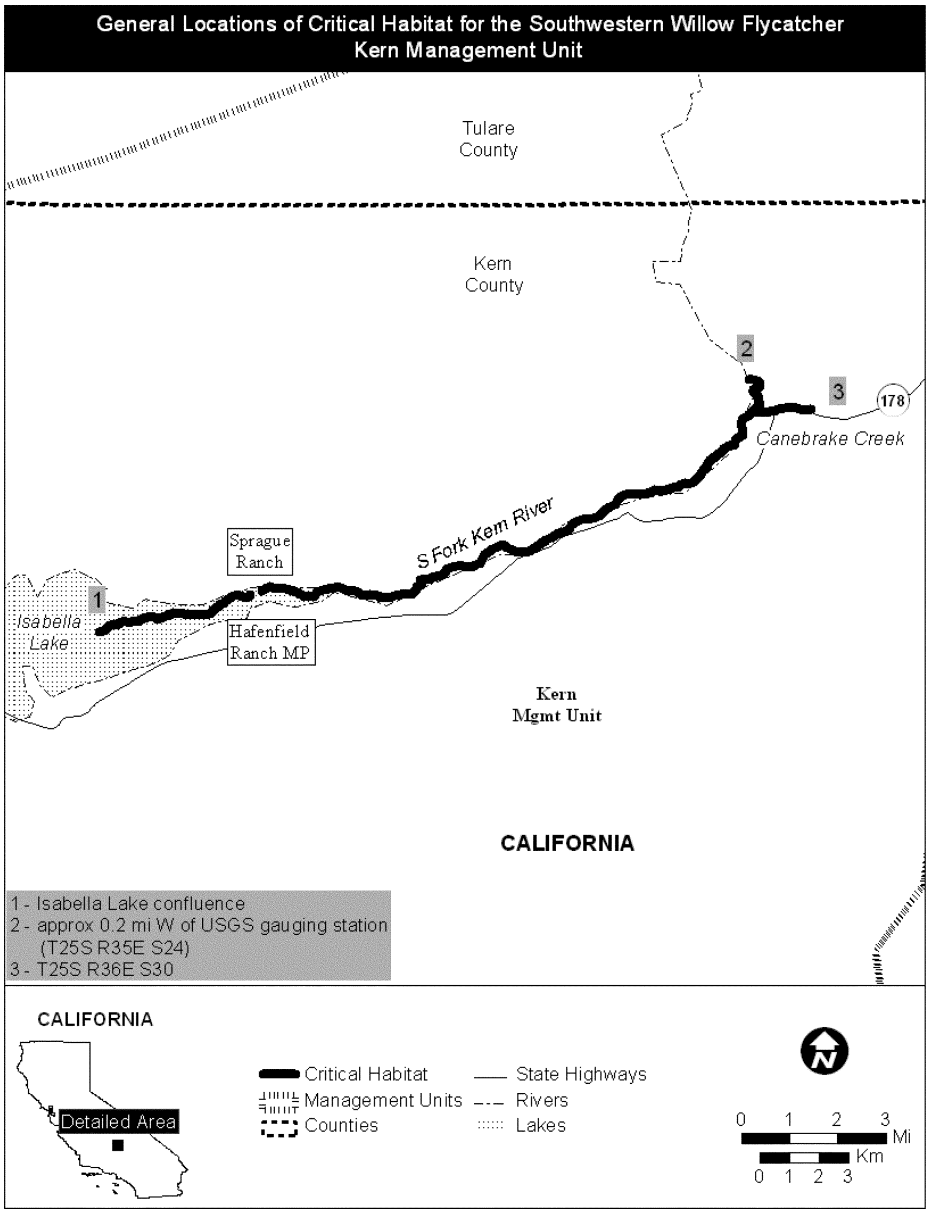
(10) Kern Management Unit.

(i)

Stream segment	Start: UTM Zone, E, N	End: UTM Zone, E, N
South Fork Kern River (east)	11, 393579, 3955510	11, 380211, 3948598.
South Fork Kern River (west)	11, 379924, 3948465	11, 375779, 3947268.

Stream segment	Start: UTM Zone, E, N	End: UTM Zone, E, N
Canebrake Creek	11, 395263, 3954472	11, 393671, 3954409.

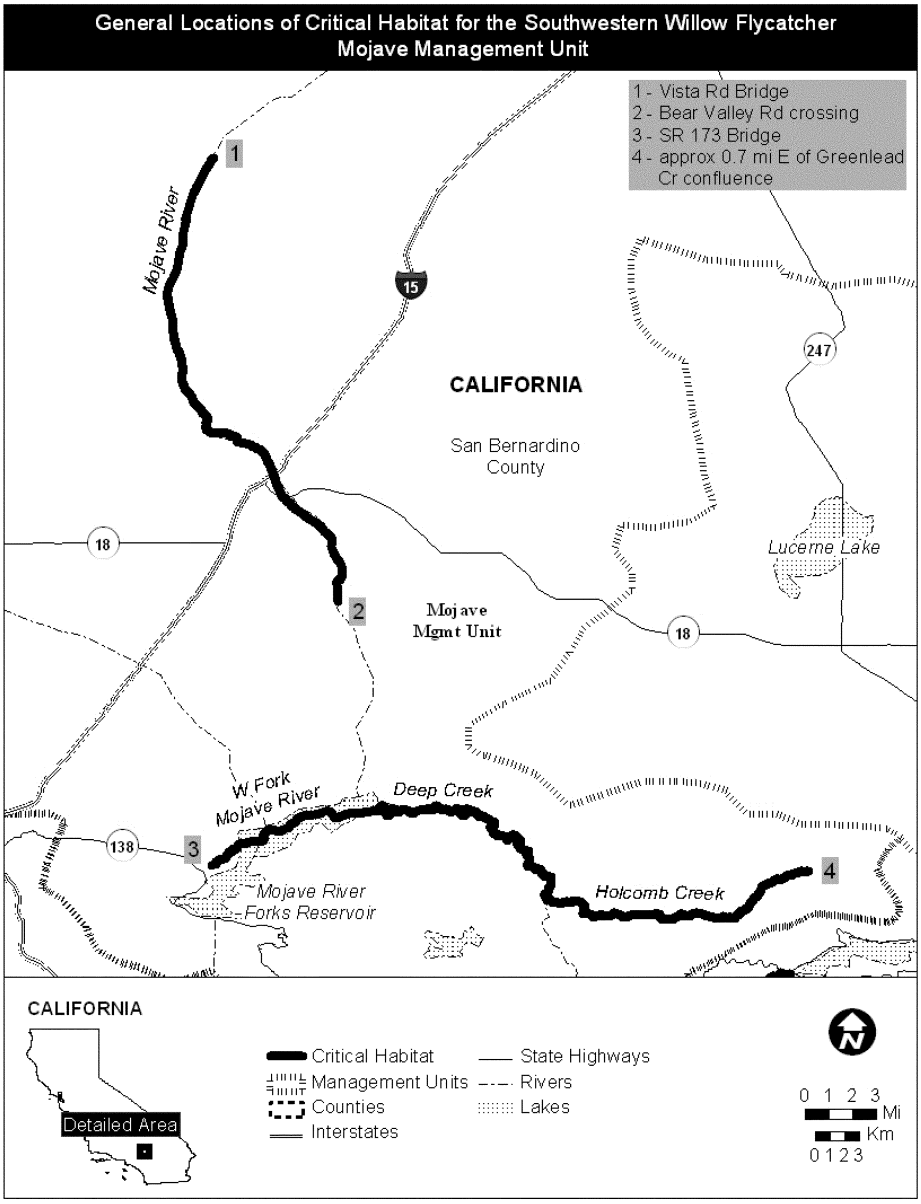
(ii) Map of Kern Management Unit follows:



(11) Mojave Management Unit.
(i)

Stream segment	Start: UTM Zone, E, N	End: UTM Zone, E, N
Mojave River	11, 469646, 3844680	11, 476583, 3814381.
Holcomb Creek	11, 503127, 3796007	11, 488326, 3794046.
Deep Creek	11, 488326, 3794046	11, 478190, 3800025.
West Fork Mojave River	11, 478190, 3800025	11, 469339, 3796375.

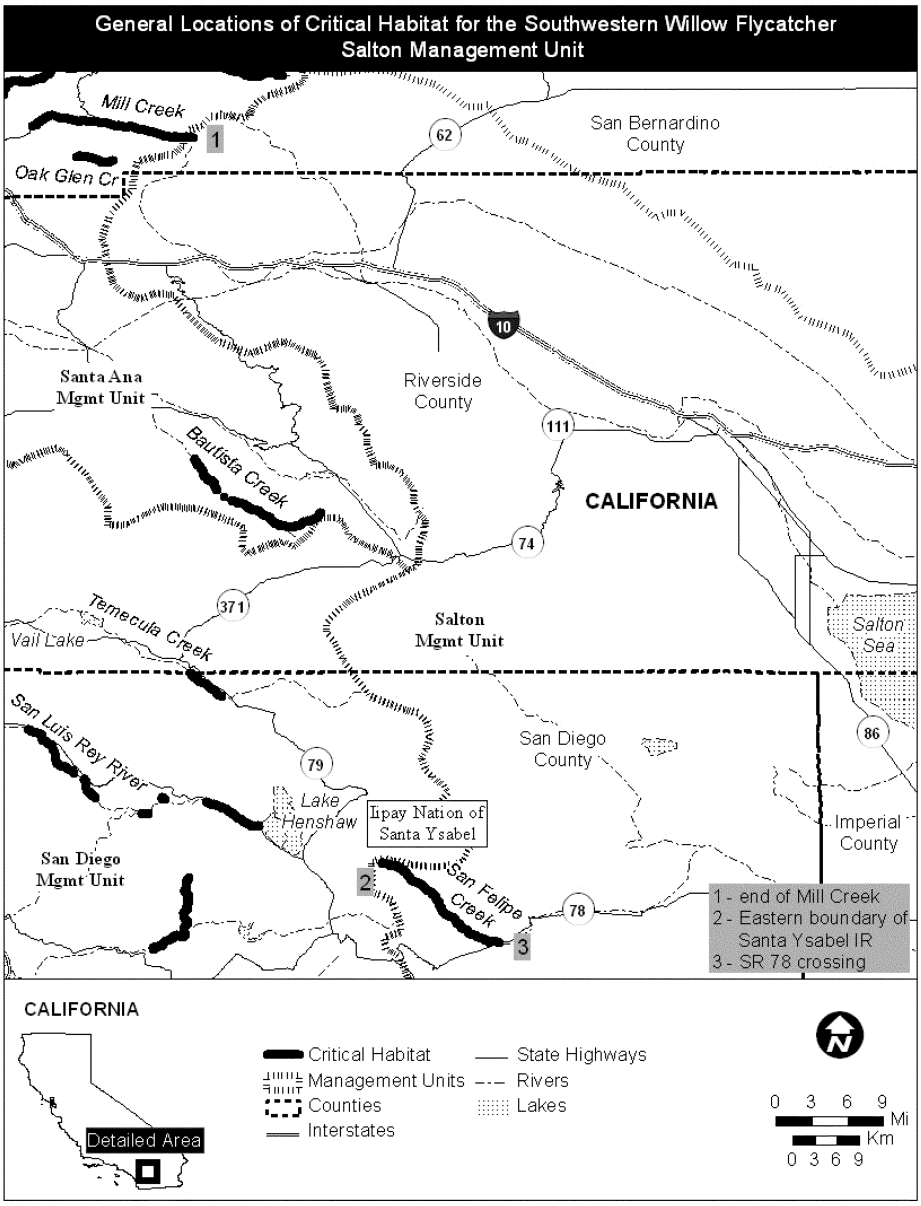
(ii) Map of Mojave Management Unit follows:



(12) Salton Management Unit.
(i)

Stream segment	Start: UTM Zone, E, N	End: UTM Zone, E, N
San Felipe Creek	11, 549258, 3662280	11, 535835, 3672883.
Mill Creek	11, 514349, 3770661	11, 513502, 3770687.

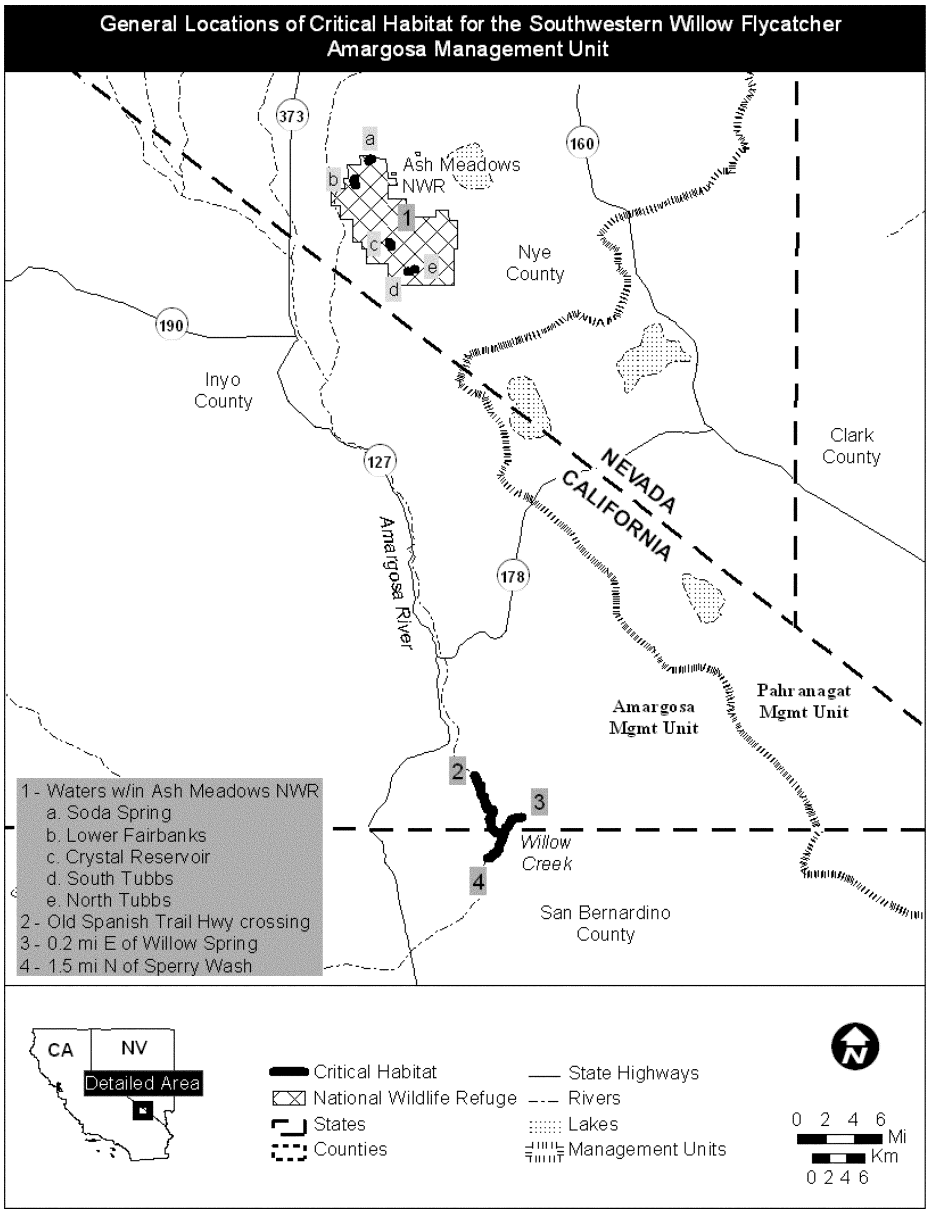
(ii) Map of Salton Management Unit follows:



(13) Amargosa Management Unit. (i)

Stream segment	Start: UTM Zone, E, N	End: UTM Zone, E, N
Amargosa River	11, 569473, 3967513	11, 570730, 3958035.
Willow Creek	11, 574000, 3962736	11, 572077, 3960419.
Soda Springs—Ash Meadows NWR	11, 559404, 4038346	11, 559130, 4038028.
Lower Fairbanks—Ash Meadows NWR	11, 557831, 4036089	11, 557907, 4035290.
Crystal Reservoir–Ash Meadows NWR	11, 561026, 4028705	11, 561308, 4028268.
North Tubbs—Ash Meadows NWR	11, 562783, 4025401	11, 562971, 4025329.
South Tubbs—Ash Meadows NWR	11, 563507, 4025681	11, 563484, 4025649.

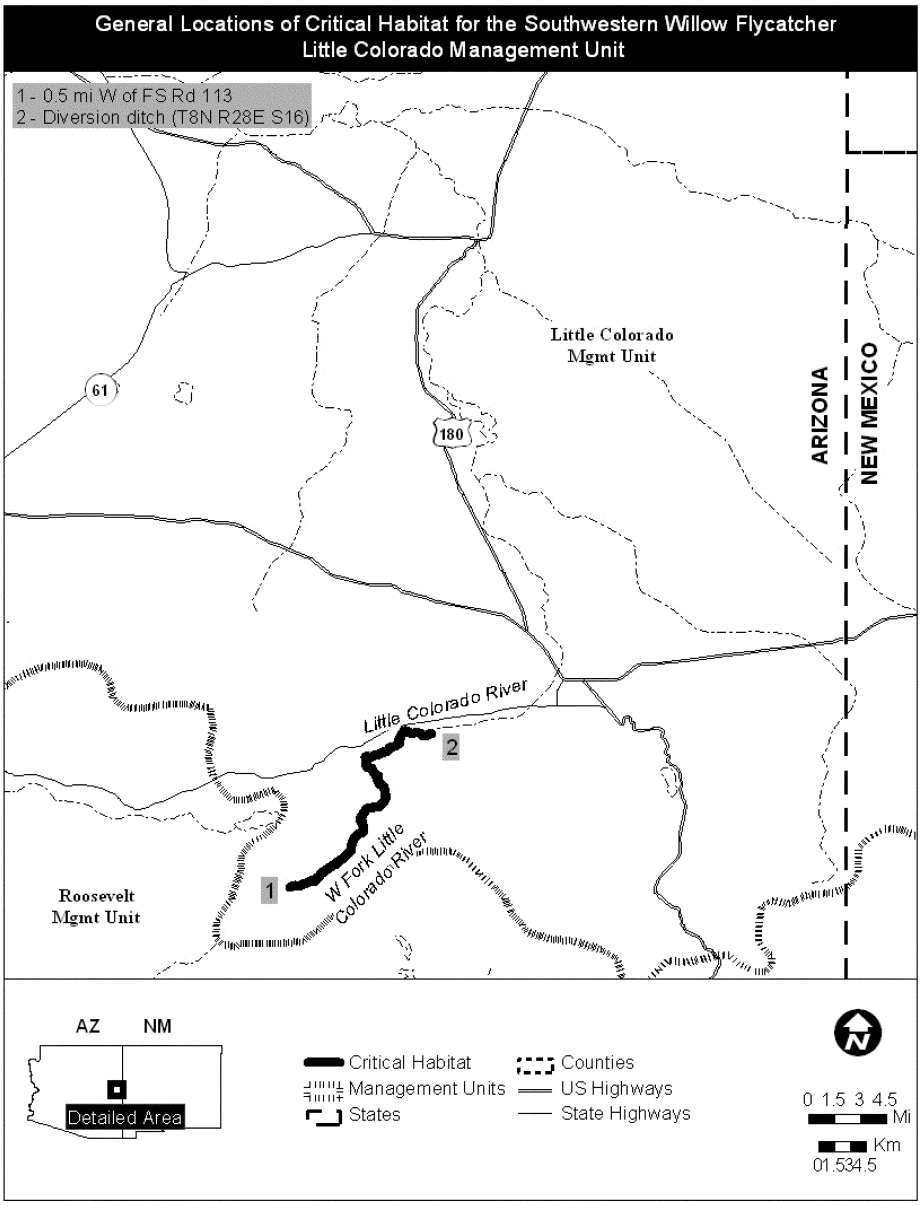
(ii) Map of Amargosa Management Unit follows:



(14) Little Colorado Management Unit.
(i)

Stream segment	Start: UTM Zone, E, N	End: UTM Zone, E, N
West Fork Little Colorado River	12, 636971, 3758442	12, 642537, 3763668.
Little Colorado River	12, 642537, 3763668	12, 647842, 3773009.

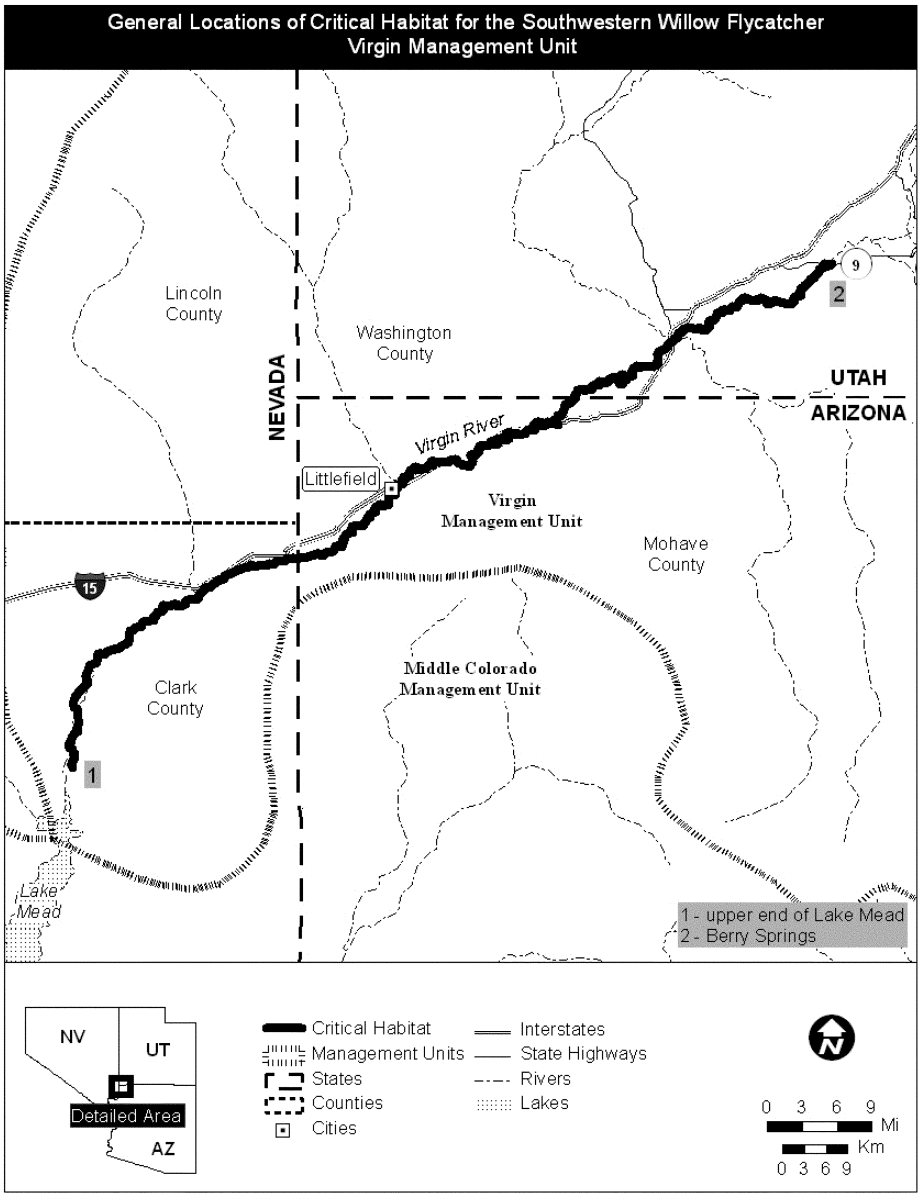
(ii) Map of Little Colorado Management Unit follows:



(15) Virgin Management Unit. (i)

Stream segment	Start: UTM Zone, E, N	End: UTM Zone, E, N
Virgin River	12, 288341, 4116050	12, 201782, 4048748.

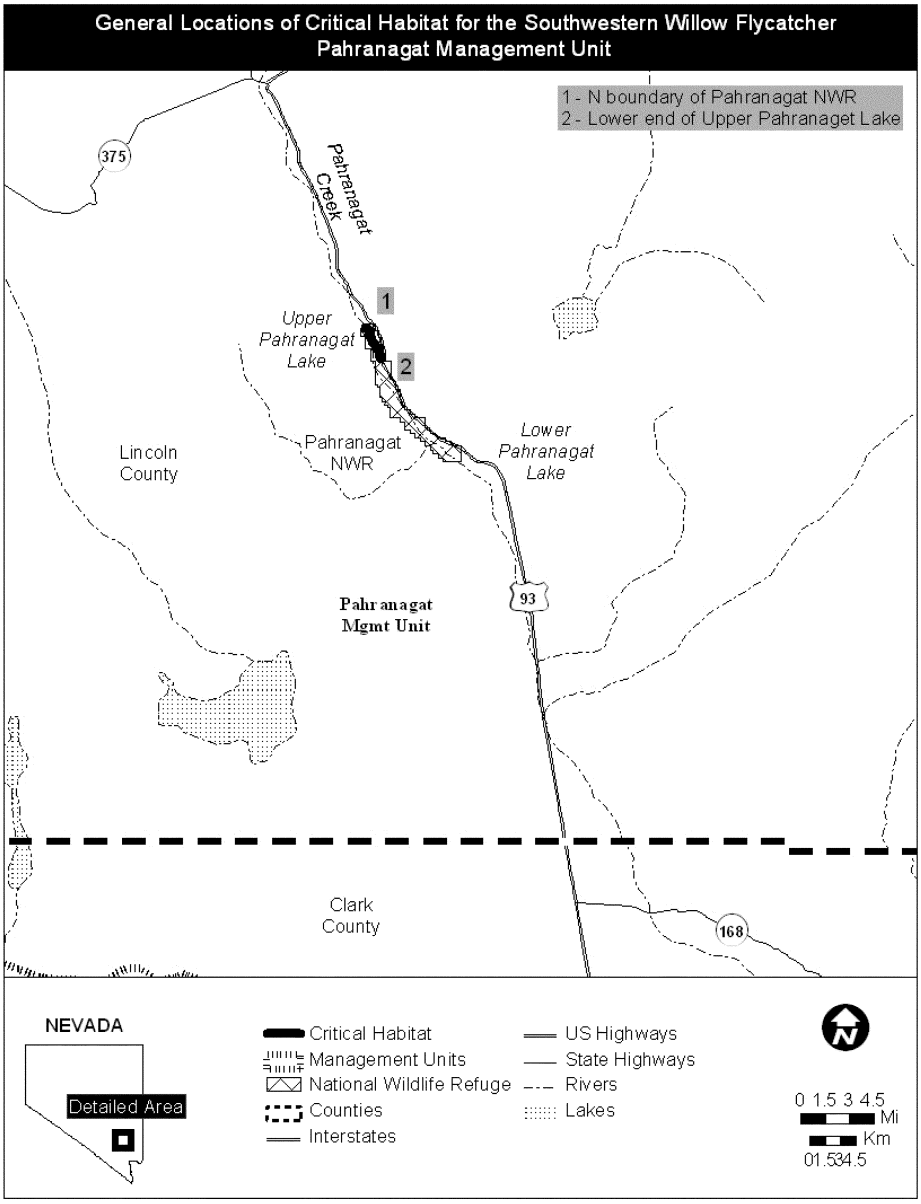
(ii) Map of Virgin Management Unit follows:



(16) Pahranagat Management Unit.
(i)

Stream segment	Start: UTM Zone, E, N	End: UTM Zone, E, N
Pahranagat River	11, 666731, 4128006	11, 665370, 4131144.

(ii) Map of Pahranagat Management Unit follows:

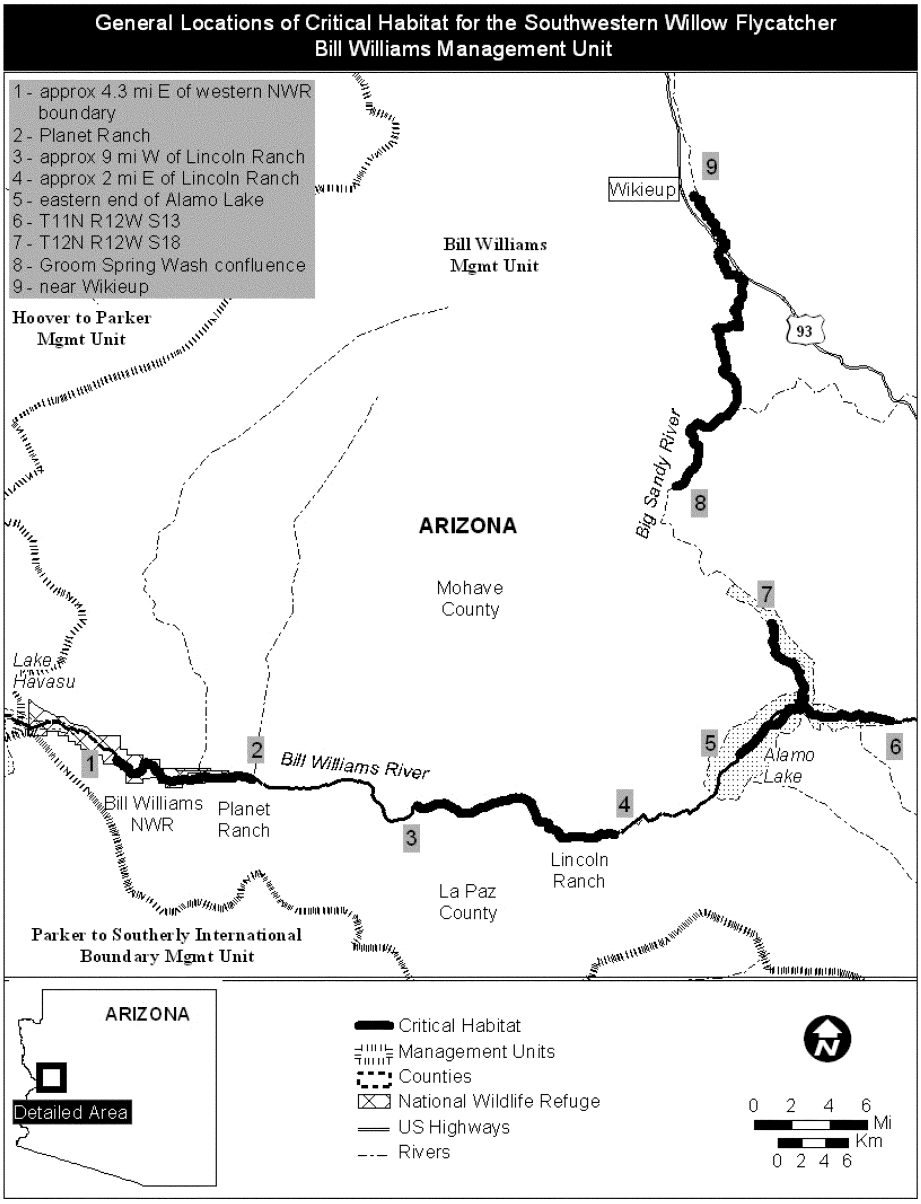


(17) Bill Williams Management Unit.
(i)

Stream segment	Start: UTM Zone, E, N	End: UTM Zone, E, N
Big Sandy River	12, 261621, 3843406	12, 259631, 3818574.
Big Sandy River (Alamo Lake)	12, 266124, 3806764	12, 267166, 3799203.
Santa Maria River (Alamo Lake)	12, 274410, 3798130	12, 267166, 3799203.

Stream segment	Start: UTM Zone, E, N	End: UTM Zone, E, N
Bill Williams River (Alamo Lake)	12, 263610, 3795533	12, 267166, 3799203.
Bill Williams River (middle)	12, 254565, 3788878	12, 240599, 3791815.
Bill Williams River (west)	12, 229050, 3794316	11, 219463, 3796378.

(ii) Map of Bill Williams Management Unit follows:

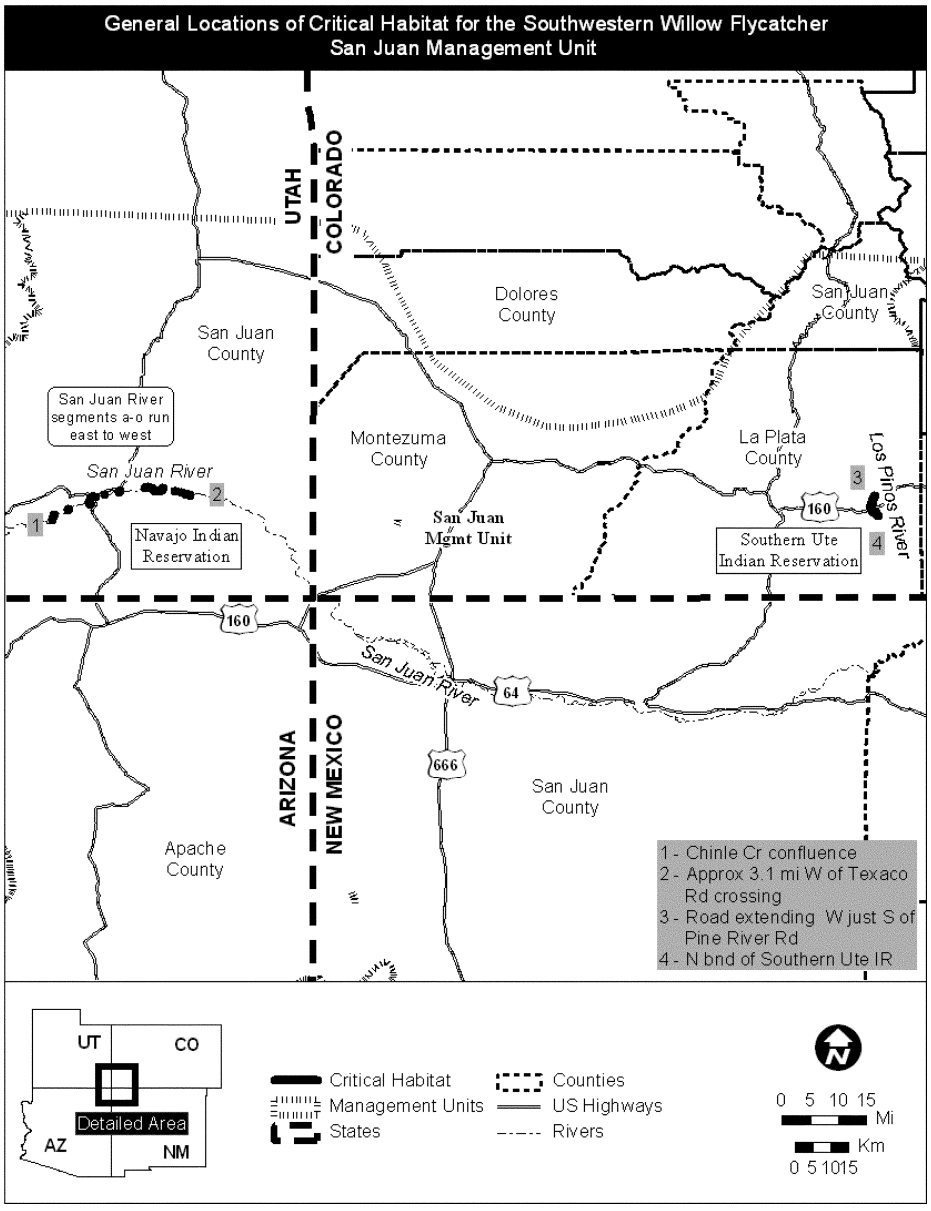


(18) San Juan Management Unit.
(i)

Stream segment	Start: UTM Zone, E, N	End: UTM Zone, E, N
Los Pinos River	13, 270002, 4121643	13, 269247, 4127372.
San Juan River (north bank) (a)	12, 645196, 4125489	12, 644259, 4125816.
San Juan River (north bank) (b)	12, 643496, 4126221	12, 643087, 4126308.

Stream segment	Start: UTM Zone, E, N	End: UTM Zone, E, N
San Juan River (north bank) (c)	12, 642048, 4126642	12, 641584, 4126669.
San Juan River (north bank) (d)	12, 639237, 4127496	12, 638861, 4126738.
San Juan River (north bank) (e)	12, 638284, 4126485	12, 637792, 4126469.
San Juan River (north bank) (f)	12, 637202, 4126657	12, 637106, 4126797.
San Juan River (north bank) (g)	12, 636634, 4127216	12, 634726, 4127362.
San Juan River (north bank) (h)	12, 629380, 4126564	12, 629093, 4126125.
San Juan River (north bank) (i)	12, 625734, 4125285	12, 625705, 4125263.
San Juan River (north bank) (j)	12, 623718, 4124823	12, 622438, 4124358.
San Juan River (north bank) (k)	12, 622161, 4123347	12, 622295, 4122911.
San Juan River (north bank) (l)	12, 622386, 4122629	12, 622370, 4122575.
San Juan River (north bank) (m)	12, 617636, 4121043	12, 617515, 4120863.
San Juan River (north bank) (n)	12, 614411, 4119430	12, 614122, 4118982.
San Juan River (north bank) (o)	12, 614014, 4118335	12, 613916, 4117990.

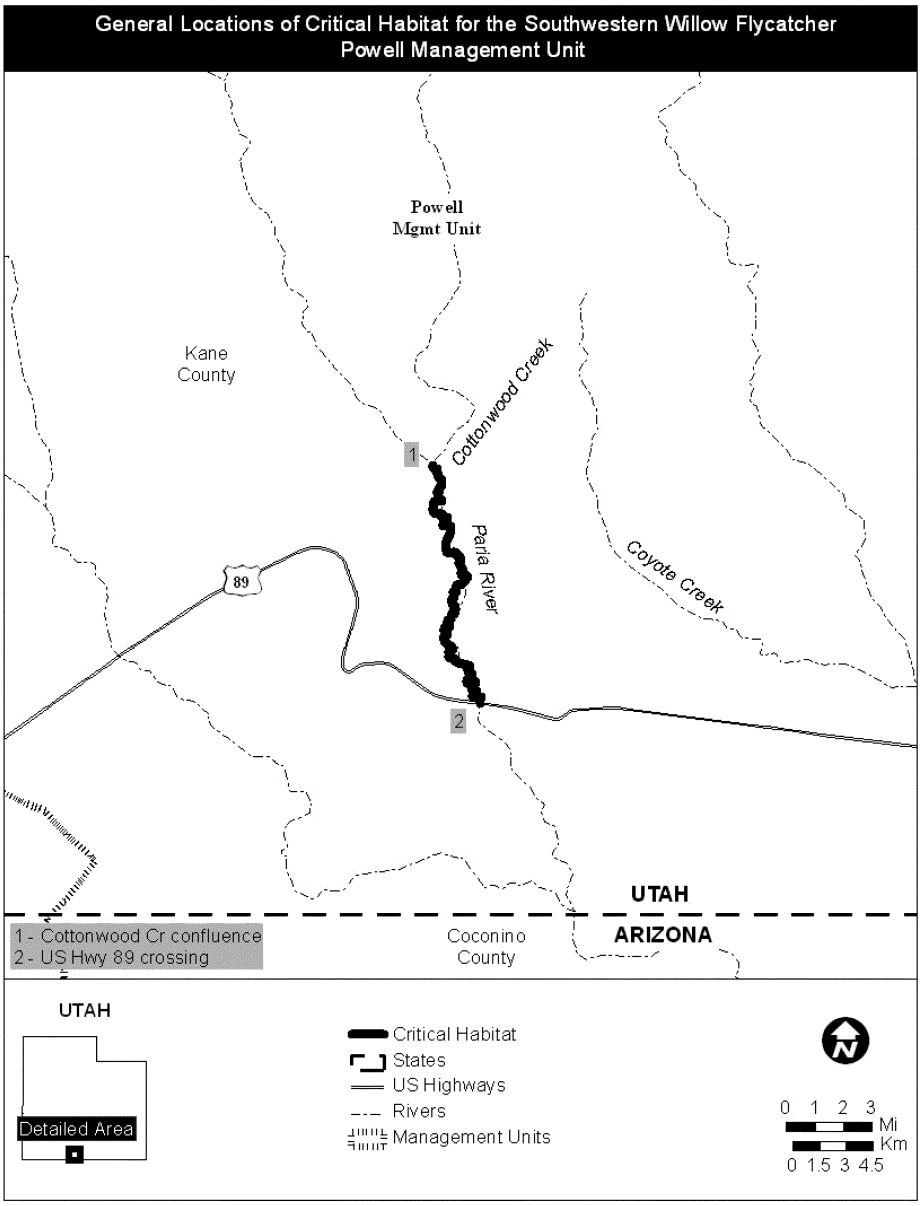
(ii) Map of San Juan Management Unit follows:



(19) Powell Management Unit.
(i)

Stream segment	Start: UTM Zone, E, N	End: UTM Zone, E, N
Paria River	12, 417429, 4120619	12, 419459, 4107235.

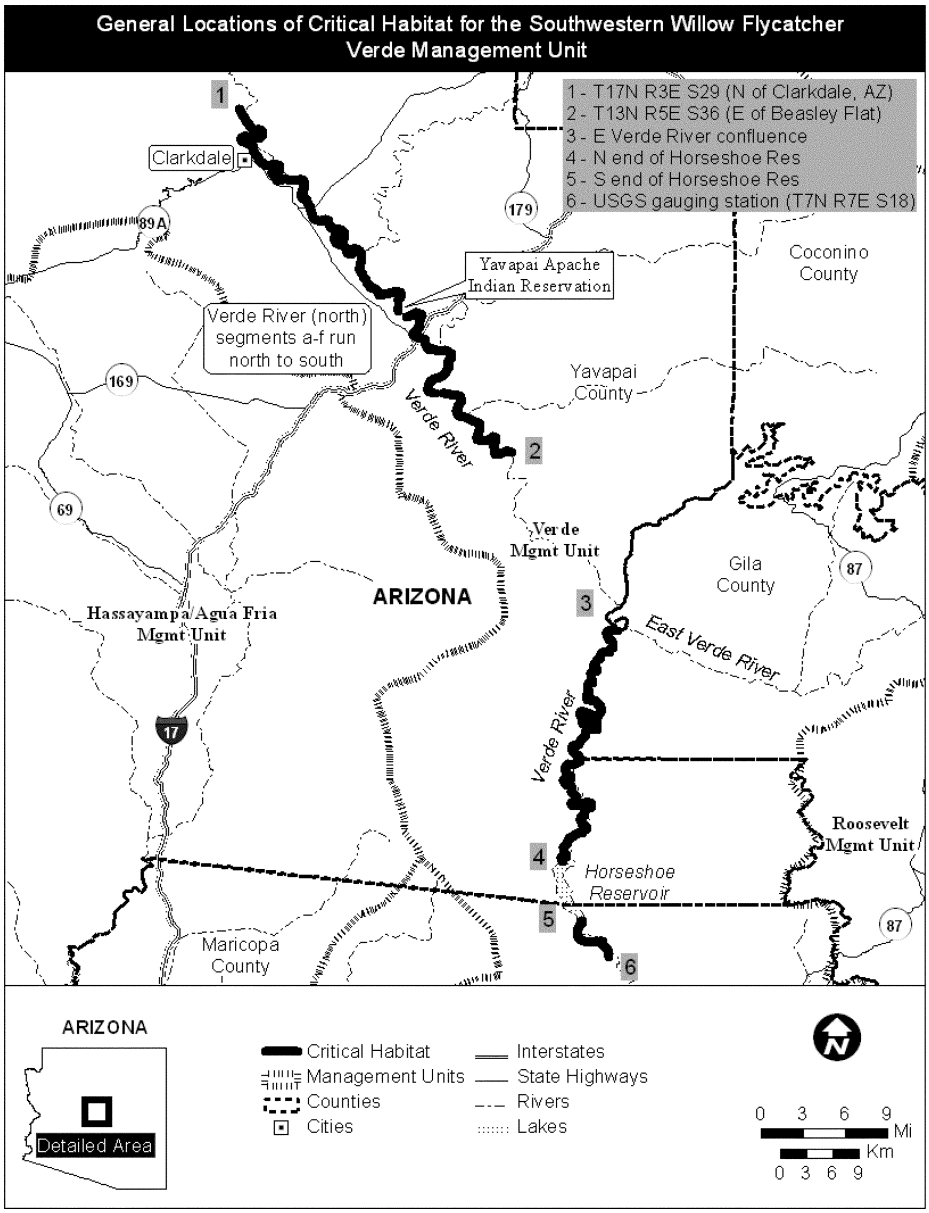
(ii) Map of Powell Management Unit follows:



(20) Verde Management Unit. (i)

Stream segment	Start: UTM Zone, E, N	End: UTM Zone, E, N
Verde River (north) (a)	12, 402583, 3854022	12, 417654, 3832237.
Verde River (north) (b)	12, 417505, 3832092	12, 417501, 3831831.
Verde River (north) (c)	12, 417492, 3831154	12, 417486, 3830684.
Verde River (north) (d)	12, 418260, 3830003	12, 420778, 3821249.
Verde River (north) (e)	12, 420842, 3821249	12, 420946, 3821249.
Verde River (north) (f)	12, 421564, 3821197	12, 428120, 3814335.
Verde River (middle)	12, 438102, 3793821	12, 432660, 3767298.
Verde River (south)	12, 434407, 3760594	12, 436961, 3756352.

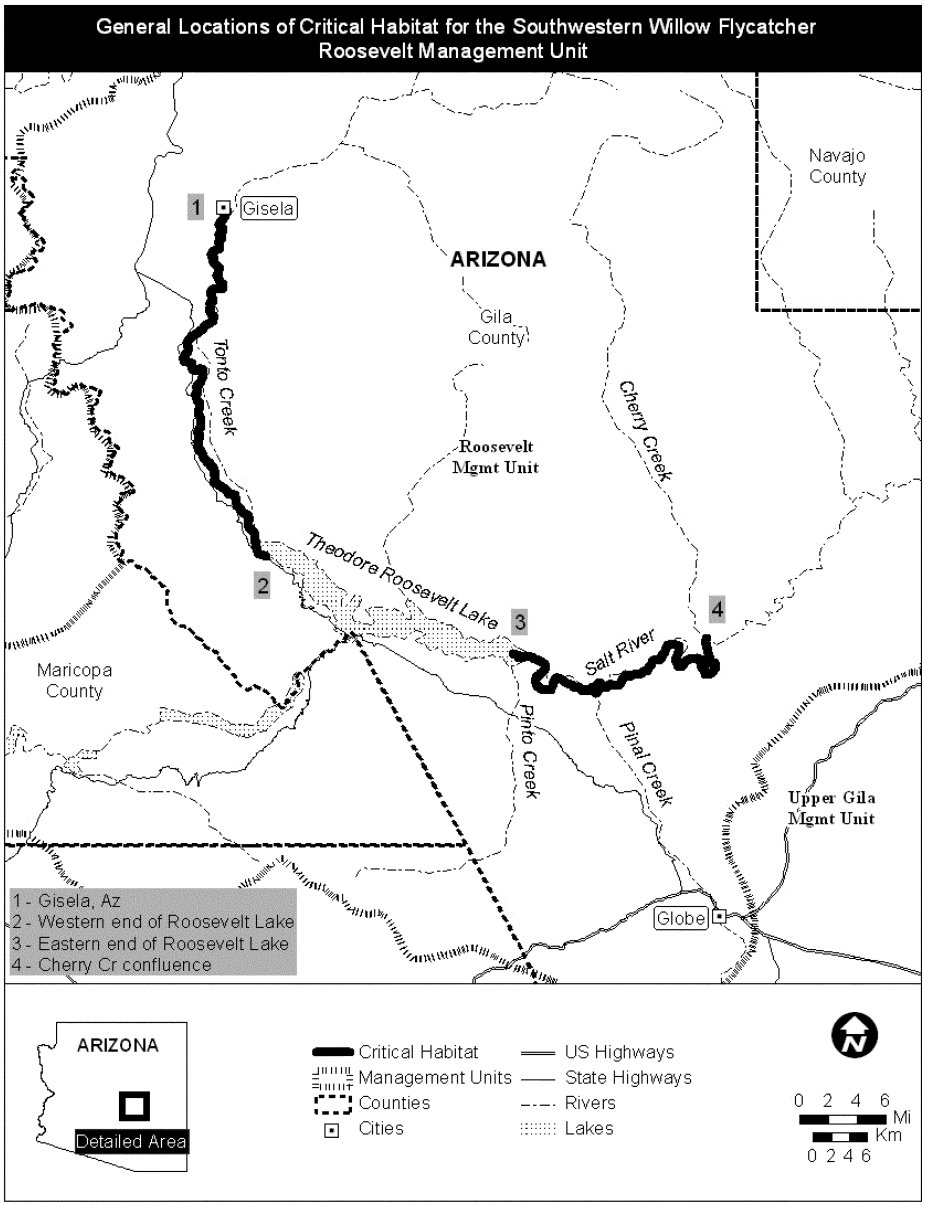
(ii) Map of Verde Management Unit follows:



(21) Roosevelt Management Unit.
(i)

Stream segment	Start: UTM Zone, E, N	End: UTM Zone, E, N
Tonto Creek	12, 477856, 3734906	12, 474349, 3773074.
Salt River	12, 500594, 3724174	12, 518565, 3725825.

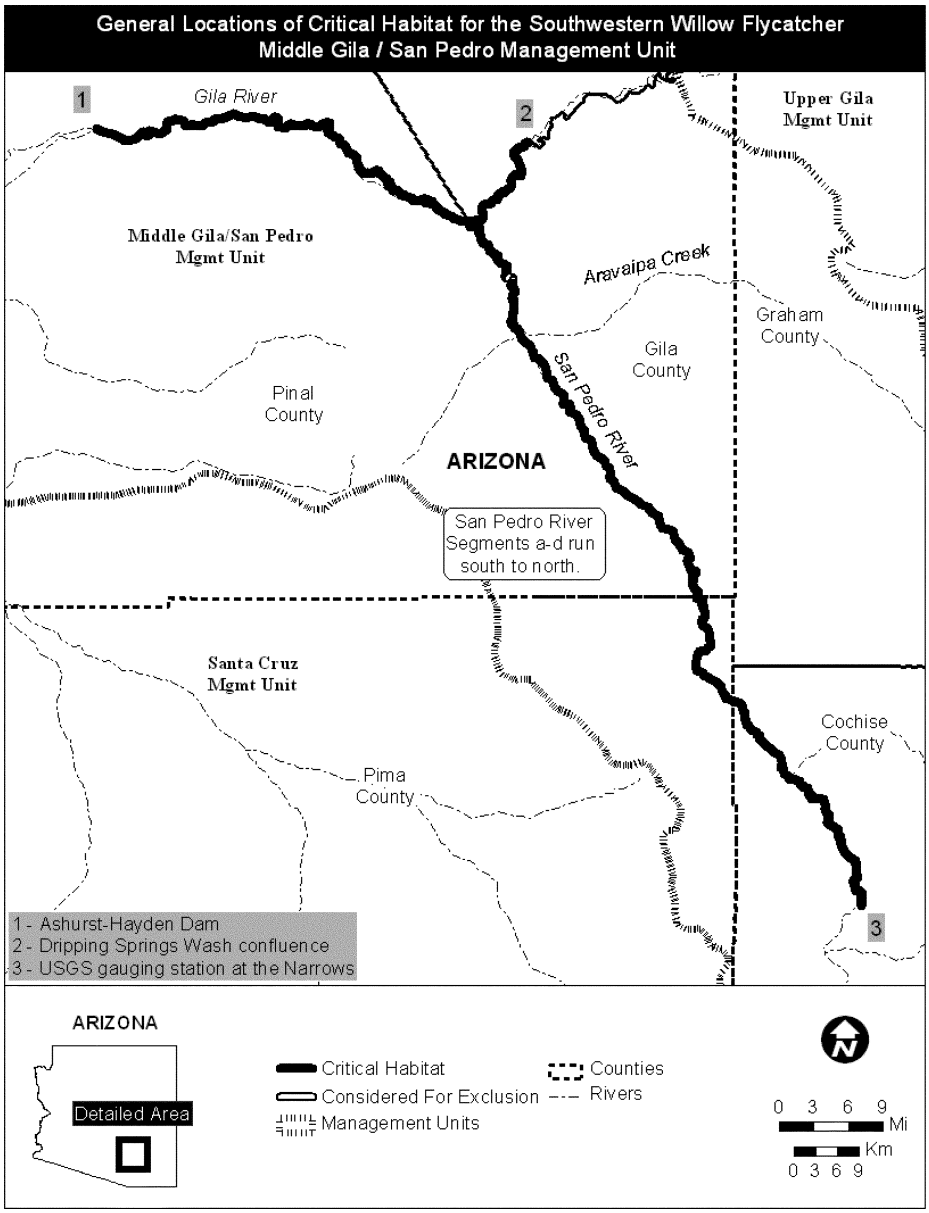
(ii) Map of Roosevelt Management Unit follows:



(22) Middle Gila and San Pedro Management Unit. (i)

Stream segment	Start: UTM Zone, E, N	End: UTM Zone, E, N
Gila River	12, 527193, 3660545	12, 476979, 3662407.
San Pedro River (d)	12, 566945, 3554766	12, 525343, 3640631.
San Pedro River (c)	12, 525384, 3640762	12, 525584, 3641024.
San Pedro River (b)	12, 525629, 3641438	12, 525358, 3641744.
San Pedro River (a)	12, 525001, 3641712	12, 520287, 3649594.

(ii) Map of Middle Gila and San Pedro Management Unit follows:

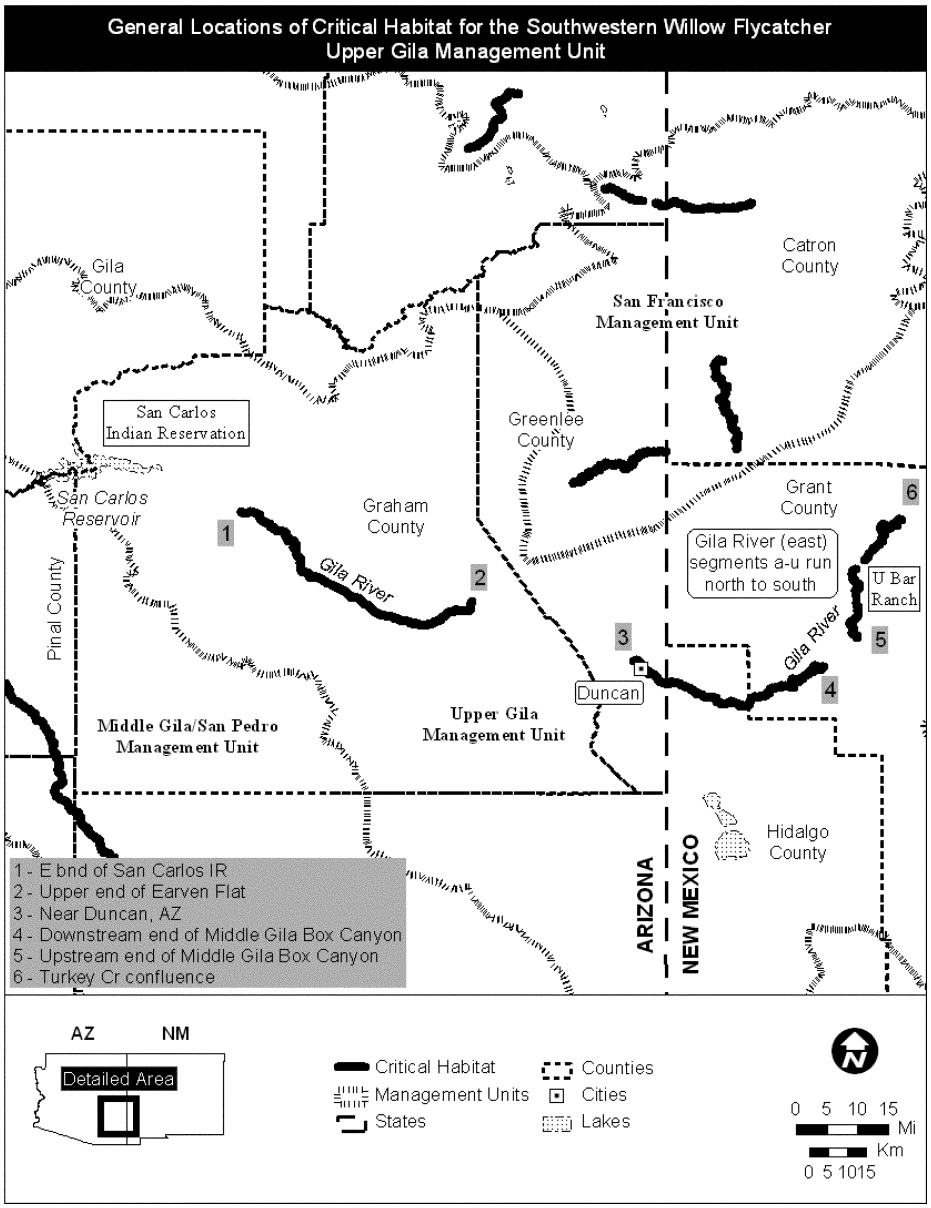


(23) Upper Gila Management Unit.
(i)

Stream segment	Start: UTM Zone, E, N	End: UTM Zone, E, N
Gila River (east) (a)	12, 734274, 3662473	12, 728739, 3655290.
Gila River (east) (b)	12, 728580, 3655097	12, 728537, 3655057.

Stream segment	Start: UTM Zone, E, N	End: UTM Zone, E, N
Gila River (east) (c)	12, 728427, 3654997	12, 728137, 3654656.
Gila River (east) (d)	12, 728113, 3654588	12, 727938, 3654314.
Gila River (east) (e)	12, 727498, 3653376	12, 727395, 3653367.
Gila River (east) (f)	12, 727387, 3653367	12, 727033, 3652562.
Gila River (east) (g)	12, 726825, 3652154	12, 726768, 3652095.
Gila River (east) (h)	12, 726395, 3651745	12, 726361, 3651686.
Gila River (east) (i)	12, 724538, 3649297	12, 724416, 3649186.
Gila River (east) (j)	12, 723879, 3648880	12, 723637, 3648711.
Gila River (east) (k)	12, 723626, 3648220	12, 723707, 3648074.
Gila River (east) (l)	12, 723726, 3647982	12, 723726, 3647894.
Gila River (east) (m)	12, 723769, 3647188	12, 725465, 3644450.
Gila River (east) (n)	12, 724871, 3643867	12, 724533, 3643574.
Gila River (east) (o)	12, 724794, 3642783	12, 724788, 3641978.
Gila River (east) (p)	12, 724913, 3640498	12, 724873, 3640376.
Gila River (east) (q)	12, 725055, 3639520	12, 724887, 3639586.
Gila River (east) (r)	12, 725319, 3639100	12, 725232, 3639274.
Gila River (east) (s)	12, 725376, 3638811	12, 724678, 3636350.
Gila River (east) (t)	12, 724616, 3636306	12, 723917, 3635619.
Gila River (east) (u)	12, 724979, 3631107	12, 723787, 3635503.
Gila River (middle)	12, 717951, 3623479	12, 675537, 3624185.
Gila River (west)	12, 639563, 3639230	12, 588063, 3662184.

(ii) Map of Upper Gila Management Unit follows:

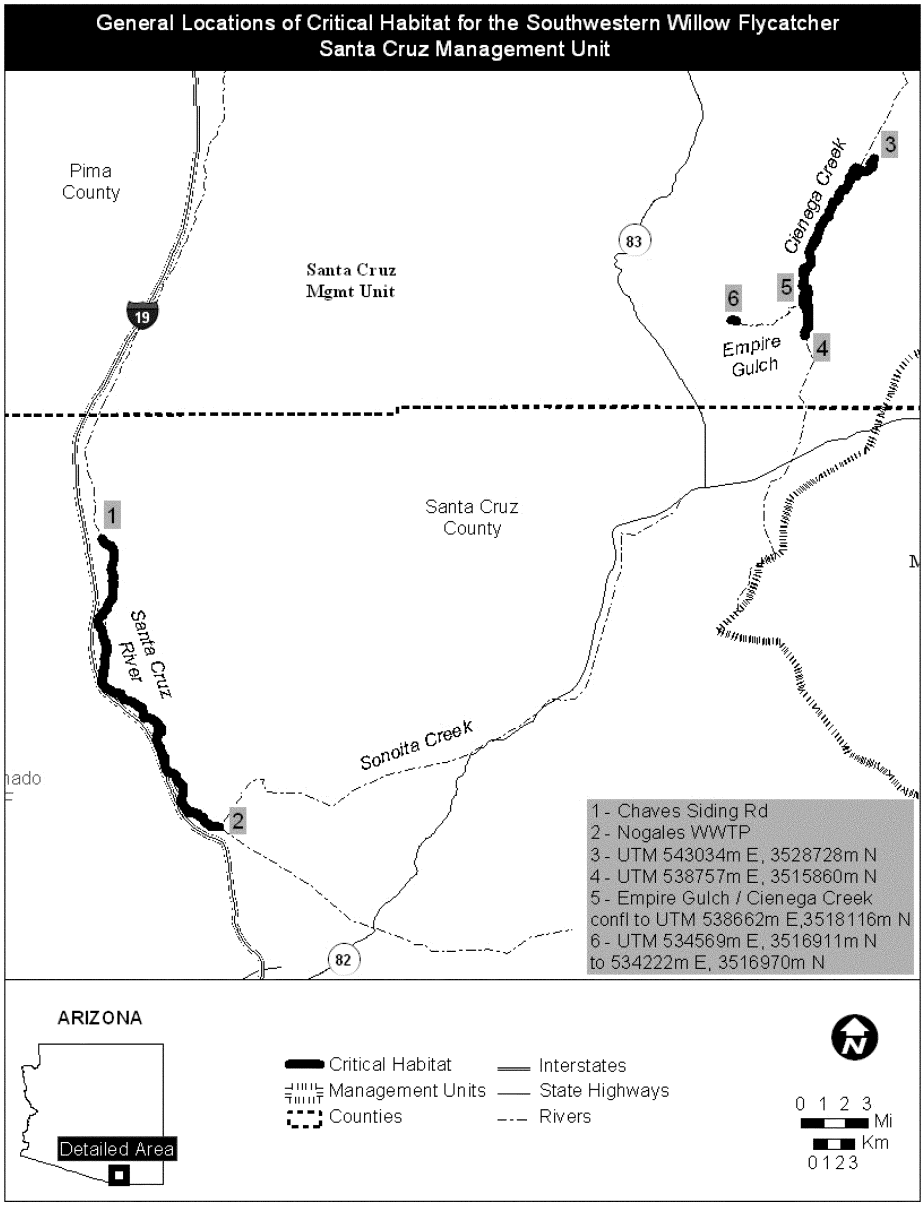


(24) Santa Cruz Management Unit.
(i)

Stream segment	Start: UTM Zone, E, N	End: UTM Zone, E, N
Santa Cruz River	12, 502742, 3480432	12, 495504, 3501179.
Cienega Creek	12, 543034, 3528728	12, 538757, 3515860.
Empire Gulch (west)	12, 534569, 3516911	12, 534222, 3516970.

Stream segment	Start: UTM Zone, E, N	End: UTM Zone, E, N
Empire Gulch (confluence with Cienega Creek)	12, 538826, 3519337	12, 538662, 3518116.

(ii) Map of Santa Cruz Management Unit follows:

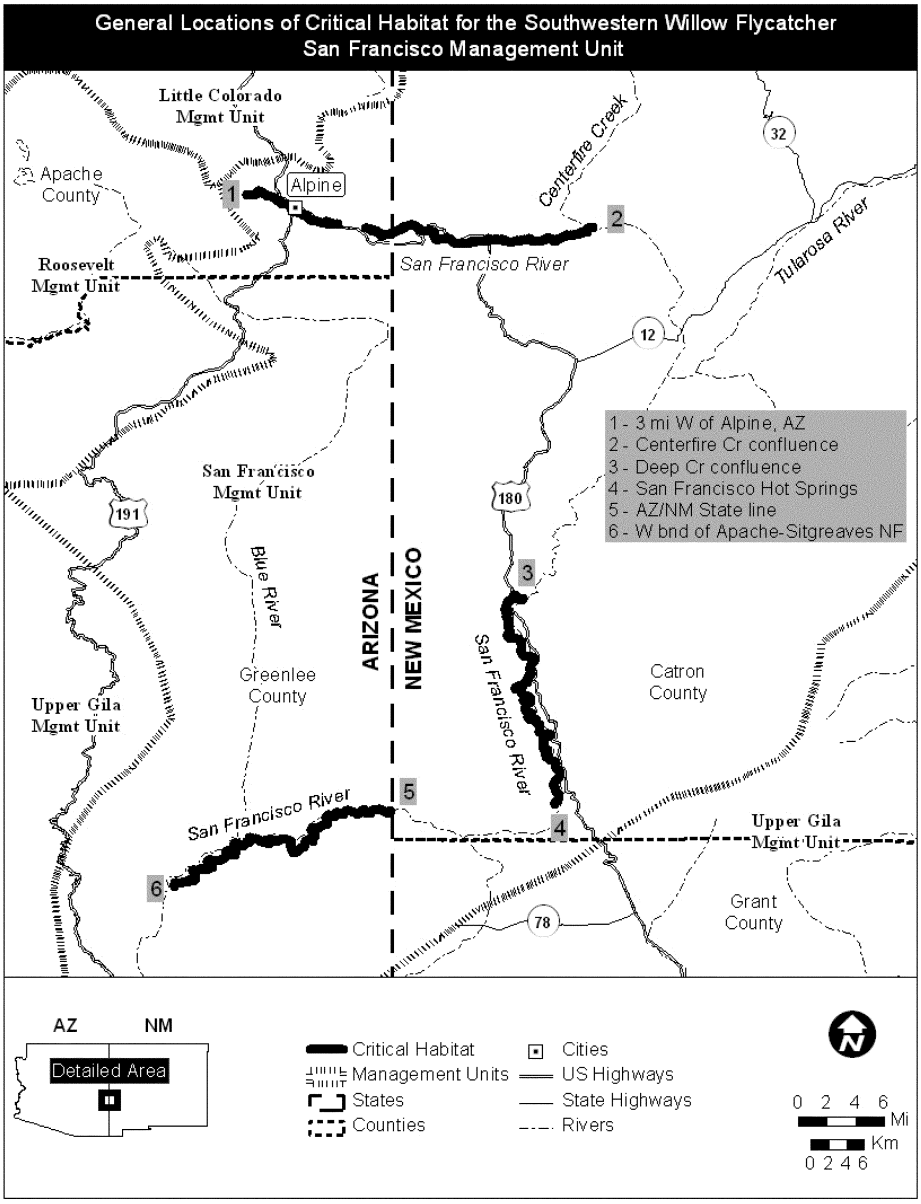


(25) San Francisco Management Unit.
(i)

Stream segment	Start: UTM Zone, E, N	End: UTM Zone, E, N
San Francisco River (north) (west segment)	12, 666982, 3748335	12, 675606, 3745177.
San Francisco River (north) (east segment)	12, 678191, 3744748	12, 699562, 3745269.

Stream segment	Start: UTM Zone, E, N	End: UTM Zone, E, N
San Francisco River (middle) (New Mexico)	12, 693857, 3703486	12, 697331, 3680357.
San Francisco River (south) (Arizona)	12, 661571, 3670502	12, 681790, 3679428.

(ii) Map of San Francisco Management Unit follows:

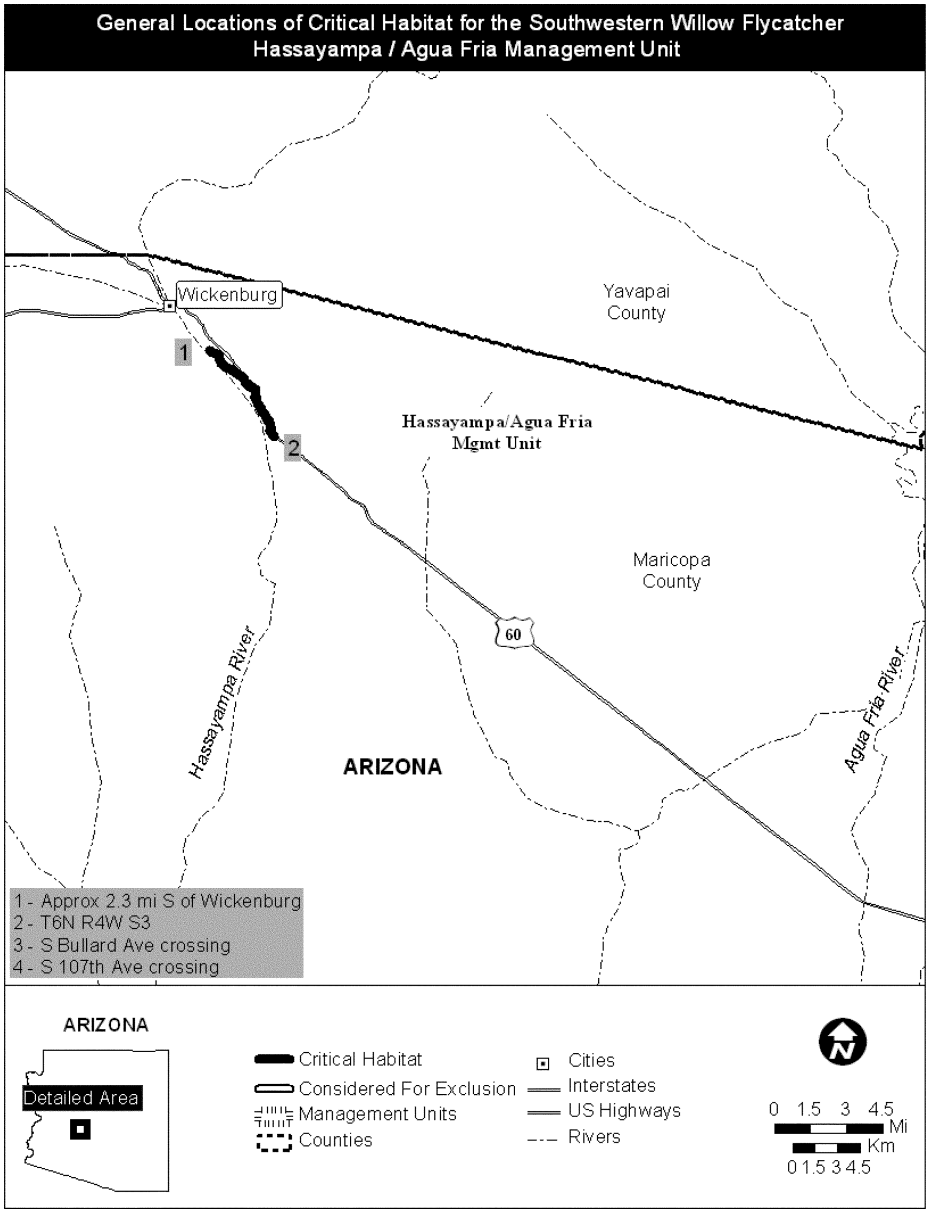


(26) Hassayampa and Agua Fria Management Unit.

(i)

Stream segment	Start: UTM Zone, E, N	End: UTM Zone, E, N
Hassayampa River	12, 342308, 3757092	12, 345848, 3751261.

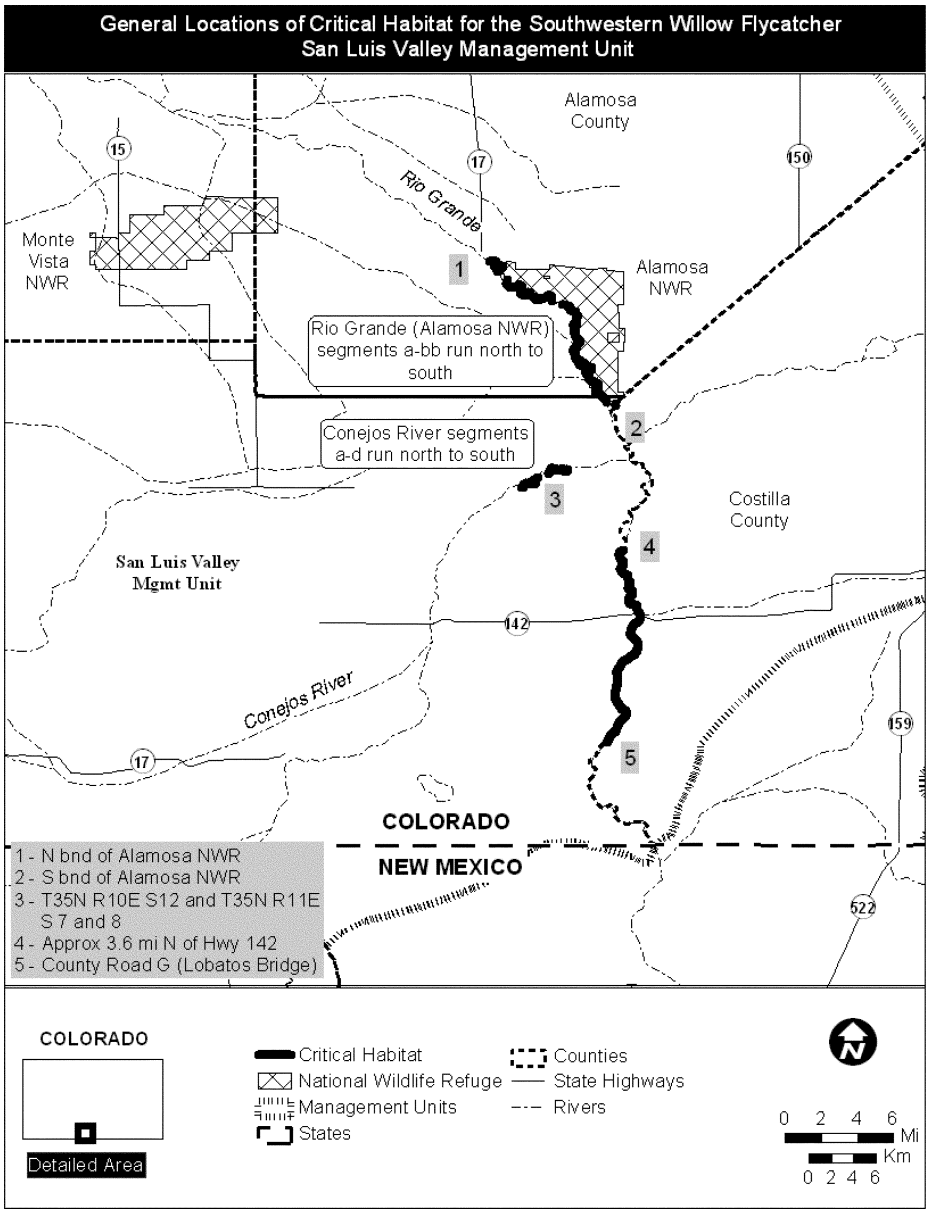
(ii) Map of Hassayampa and Agua Fria Management Unit follows:



(27) San Luis Valley Management Unit. (i)

Stream segment	Start: UTM Zone, E, N	End: UTM Zone, E, N
Conejos River (a)	13, 429852, 4128272	13, 430156, 4128249.
Conejos River (b)	13, 428787, 4127864	13, 429759, 4128320.
Conejos River (c)	13, 426944, 4126743	13, 428019, 4127483.
Conejos River (d)	13, 426839, 4126661	13, 426944, 4126712.
Rio Grande Alamosa NWR (a)	13, 425015, 4146872	13, 424689, 4146861.
Rio Grande Alamosa NWR (b)	13, 425325, 4145894	13, 425218, 4146803.
Rio Grande Alamosa NWR (c)	13, 425993, 4145065	13, 425968, 4145195.
Rio Grande Alamosa NWR (d)	13, 426007, 4144674	13, 425947, 4144875.
Rio Grande Alamosa NWR (e)	13, 426375, 4144517	13, 426158, 4144551.
Rio Grande Alamosa NWR (f)	13, 426597, 4144617	13, 426539, 4144526.
Rio Grande Alamosa NWR (g)	13, 426772, 4144724	13, 427043, 4144549.
Rio Grande Alamosa NWR (h)	13, 427054, 4144318	13, 427082, 4144368.
Rio Grande Alamosa NWR (i)	13, 426927, 4144080	13, 426966, 4144240.
Rio Grande Alamosa NWR (j)	13, 427035, 4143868	13, 426910, 4143984.
Rio Grande Alamosa NWR (k)	13, 427220, 4143816	13, 427093, 4143789.
Rio Grande Alamosa NWR (l)	13, 427393, 4143996	13, 427293, 4143901.
Rio Grande Alamosa NWR (m)	13, 427666, 4143776	13, 427440, 4144028.
Rio Grande Alamosa NWR (n)	13, 427915, 4143464	13, 427792, 4143694.
Rio Grande Alamosa NWR (o)	13, 428181, 4143345	13, 427986, 4143362.
Rio Grande Alamosa NWR (p)	13, 428459, 4143470	13, 428228, 4143377.
Rio Grande Alamosa NWR (q)	13, 428708, 4143582	13, 428673, 4143555.
Rio Grande Alamosa NWR (r)	13, 429166, 4143276	13, 428800, 4143661.
Rio Grande Alamosa NWR (s)	13, 430052, 4142873	13, 429858, 4142950.
Rio Grande Alamosa NWR (t)	13, 430498, 4142399	13, 430209, 4142812.
Rio Grande Alamosa NWR (u)	13, 430614, 4138902	13, 430557, 4142367.
Rio Grande Alamosa NWR (v)	13, 431001, 4137666	13, 430612, 4138731.
Rio Grande Alamosa NWR (w)	13, 432176, 4135160	13, 431001, 4137611.
Rio Grande Alamosa NWR (x)	13, 432643, 4134711	13, 432171, 4134988.
Rio Grande Alamosa NWR (y)	13, 432779, 4134527	13, 432715, 4134634.
Rio Grande Alamosa NWR (z)	13, 432856, 4134398	13, 432802, 4134495.
Rio Grande Alamosa NWR (aa)	13, 432979, 4134165	13, 432938, 4134250.
Rio Grande Alamosa NWR (bb)	13, 433594, 4133899	13, 433579, 4134077.
Rio Grande (south)	13, 434064, 41120967	13, 432747, 4103848.

(ii) Map of San Luis Valley Management Unit follows:

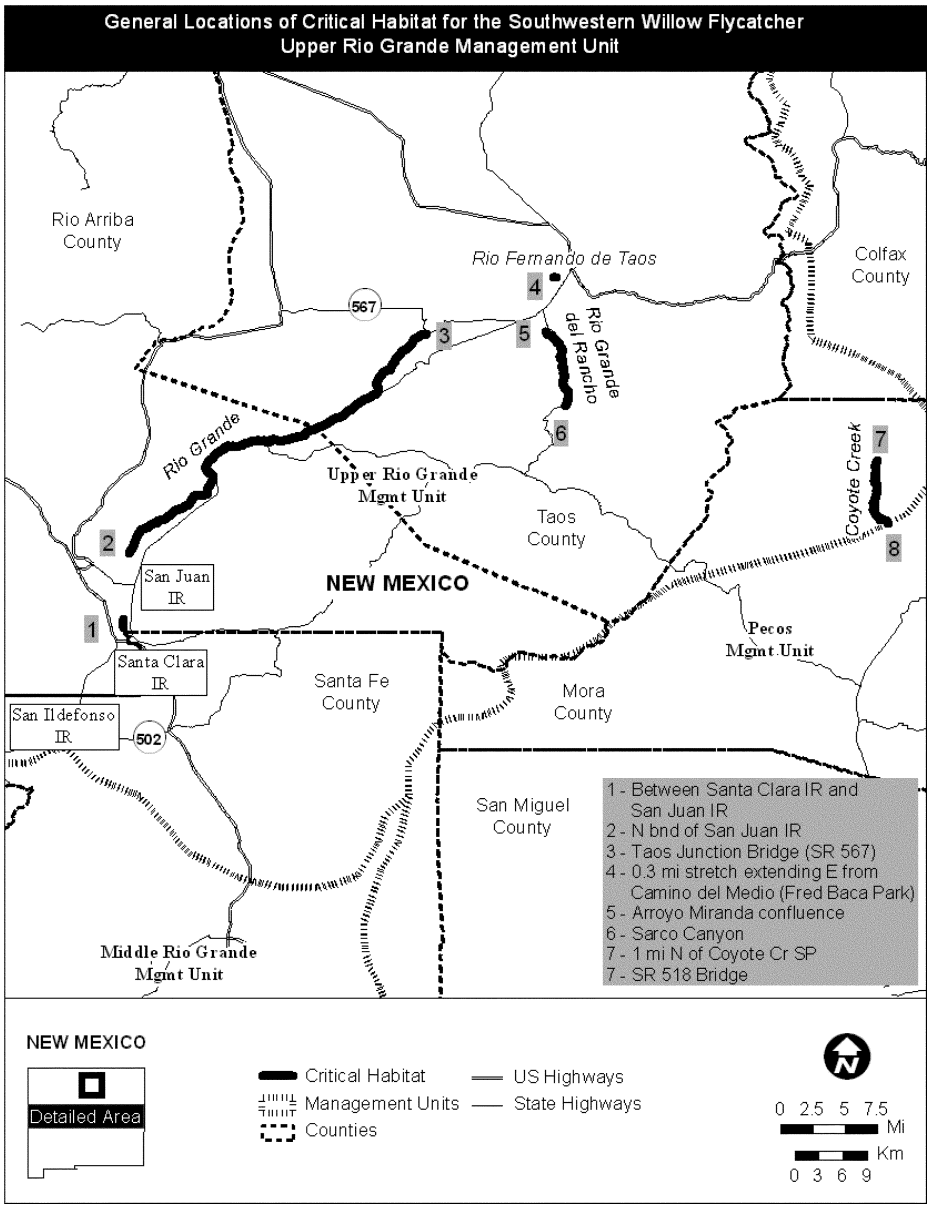


(28) Upper Rio Grande Management Unit.
(i)

Stream segment	Start: UTM Zone, E, N	End: UTM Zone, E, N
Rio Grande (north)	13, 434154, 4021496	13, 404034, 3994489.
Rio Grande (south)	13, 403328, 3985181	13, 403319, 3986279.

Stream segment	Start: UTM Zone, E, N	End: UTM Zone, E, N
Coyote Creek	13, 479246, 4005468	13, 480419, 3997620.
Rio Grande del Rancho	13, 447971, 4012369	13, 446044, 4021640.
Rio Fernando	13, 447152, 4028423	13, 446856, 4028320.

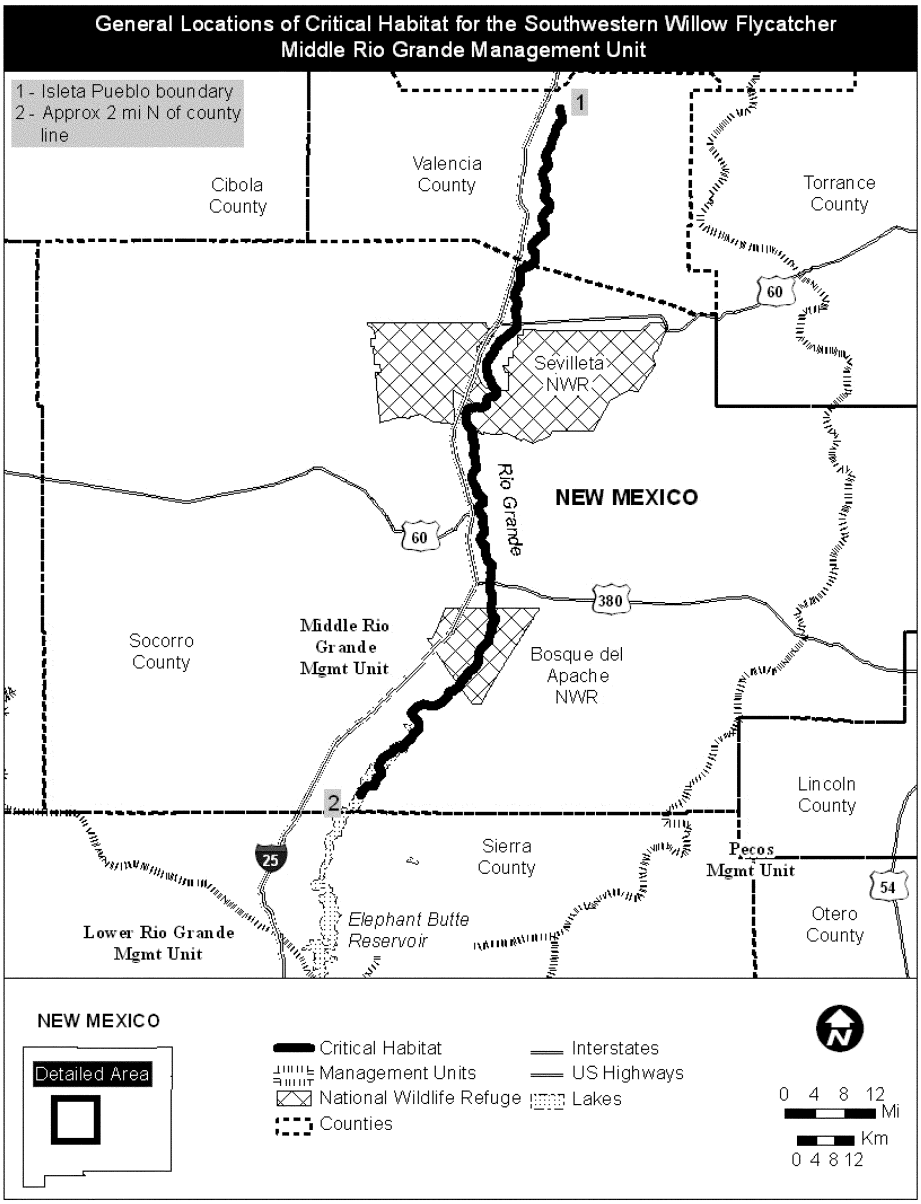
(ii) Map of Upper Rio Grande Management Unit follows:



(29) Middle Rio Grande Management Unit.
(i)

Stream segment	Start: UTM Zone, E, N	End: UTM Zone, E, N
Rio Grande	13, 343067, 3856213	13, 298922, 3683834.

(ii) Map of Middle Rio Grande Management Unit follows:



COASTAL CALIFORNIA GNATCATCHER (*Polioptila californica californica*)

(1) Critical habitat units are depicted for Los Angeles, Orange, Riverside, San Bernardino, San Diego, and Ventura Counties, California, on the maps below.

(2) The primary constituent elements (PCEs) of critical habitat for coastal California gnatcatcher are:

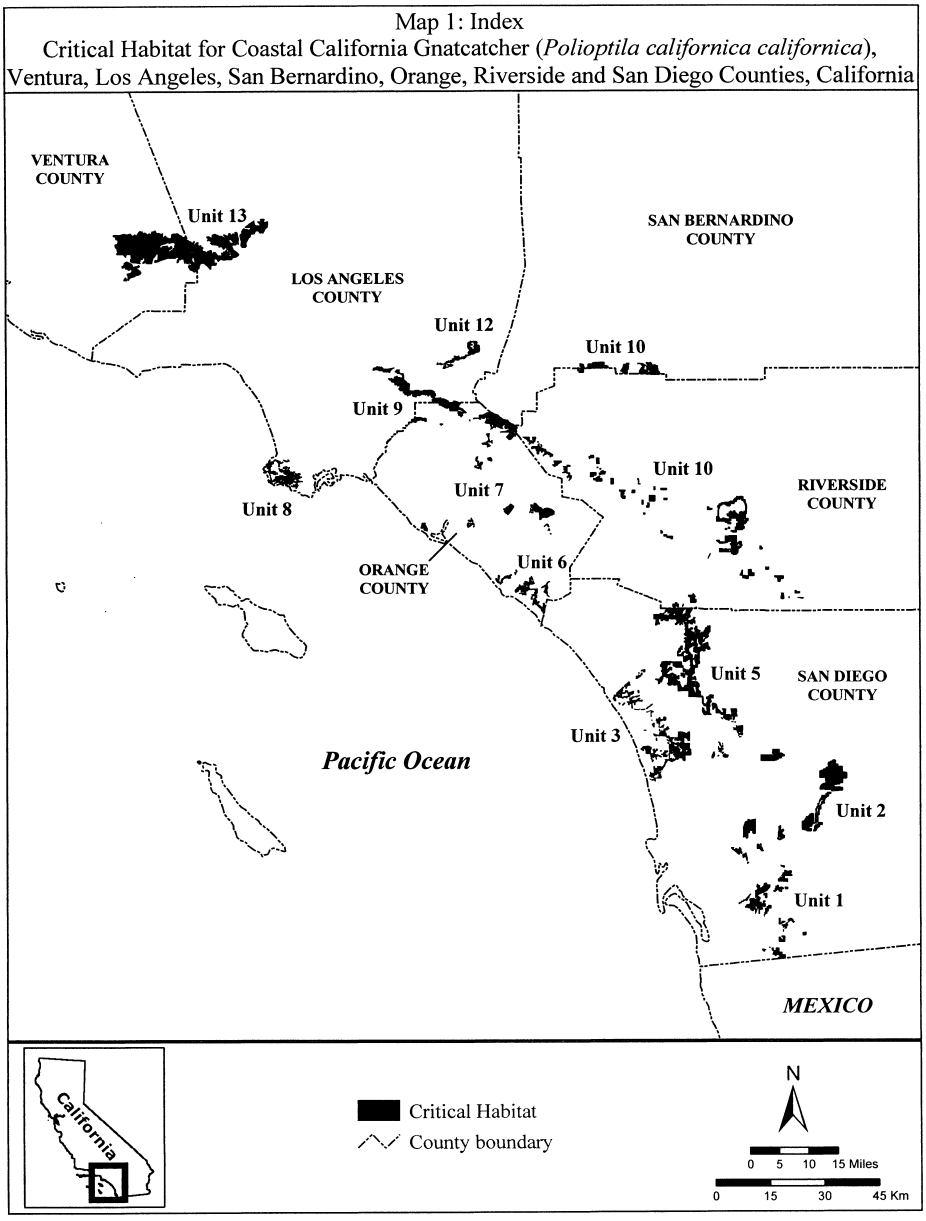
(i) Dynamic and successional sage scrub habitats: Venturan coastal sage scrub, Diegan coastal sage scrub, Riversidean sage scrub, maritime succulent scrub, Riversidean alluvial fan scrub, southern coastal bluff scrub, and coastal sage-chaparral scrub in Ventura, Los Angeles, Orange, Riverside, San Bernardino, and San Diego Counties that provide space for individual and population growth, normal behavior, breeding, reproduction, nesting, dispersal and foraging; and

(ii) Non-sage scrub habitats such as chaparral, grassland, riparian areas, in proximity to sage scrub habitats as described for PCE 1 above that provide space for dispersal, foraging, and nesting.

(3) Critical habitat does not include man-made structures (such as buildings, aqueducts, airports, roads, and other paved areas) and the land on which they are located existing on the effective date of this rule and not containing one or more of the PCEs.

(4) *Critical habitat map units.* Data layers defining map units were created on a base of USGS 1:24,0000 maps, and critical habitat units were then mapped using Universal Transverse Mercator (UTM) coordinates.

(5) Note: Index map of critical habitat units for the coastal California gnatcatcher (Map 1) follows:



(6) Unit 1: South San Diego County, San Diego County, California.

(i) Unit 1 excludes land bounded by the following UTM NAD27 coordinates (E, N):

(A) 502178, 3637276; 502177, 3637276; 501978, 3637278; 501980, 3637232; 501981, 3637232; 501994, 3637232; 502031, 3637232; 502061, 3637232; 502114, 3637232; 502146, 3637232; 502181, 3637232; 502184, 3637232; 502201, 3637232; 502221, 3637232; 502240, 3637232; 502260, 3637231; 502280, 3637231; 502300, 3637231; 502321, 3637230; 502338, 3637230; 502366, 3637229; 502365, 3637274; 502184, 3637276.

(B) 510284, 3634915; 510296, 3634942; 510326, 3634956; 510366, 3634970; 510406, 3634967; 510441, 3634947; 510476, 3634940; 510494, 3634910; 510509, 3634845; 510477, 3634753; 510510, 3634757; 510534, 3634749; 510554, 3634730; 510577, 3634712; 510604, 3634705; 510627, 3634714; 510623, 3634743; 510621, 3634777; 510627, 3634803; 510633, 3634847; 510656, 3634854; 510663, 3634868; 510681, 3634891; 510708, 3634903; 510727, 3634910; 510748, 3634933; 510791, 3634964; 510774, 3634965; 510746, 3634975; 510703, 3634974; 510677, 3634985; 510657, 3634996; 510644, 3635018; 510627, 3635037; 510617, 3635064; 510615, 3635089; 510621, 3635119; 510632, 3635145; 510650, 3635170; 510671, 3635183; 510692, 3635189; 510715, 3635194; 510791, 3635240; 510785, 3635318; 510808, 3635363; 510842, 3635380; 510879, 3635382; 510902, 3635382; 510933, 3635386; 510961, 3635384; 510982, 3635375; 510989, 3635365; 511006, 3635353; 511030, 3635355; 511055, 3635355; 511078, 3635373; 511112, 3635388; 511146, 3635410; 511189, 3635416; 511244, 3635406; 511265, 3635408; 511274, 3635433; 511290, 3635439; 511293, 3635465; 511315, 3635504; 511337, 3635539; 511354, 3635548; 511388, 3635619; 511350, 3635596; 511323, 3635588; 511308, 3635560; 511277, 3635527; 511231, 3635506; 511202, 3635490; 511169, 3635485; 511132, 3635496; 511064, 3635529; 511042, 3635544; 511015, 3635556; 510984, 3635553; 510963, 3635566; 510952, 3635592; 510949, 3635623; 510960, 3635651; 510962, 3635677; 510956, 3635703; 510962, 3635727; 510974, 3635756; 510959, 3635776; 510908, 3635689; 510875, 3635617; 510850, 3635584; 510829, 3635568; 510798, 3635566; 510782, 3635582; 510775, 3635597; 510766, 3635606; 510742, 3635580; 510723, 3635567; 510713, 3635567; 510713, 3635592; 510719, 3635624; 510719, 3635652; 510698, 3635701; 510689, 3635746; 510677, 3635848; 510685, 3635890; 510710, 3635923; 510736, 3635949; 510737, 3635965; 510756, 3635991; 510770, 3636004; 510793, 3635998; 510791, 3636004; 510793, 3636035; 510823, 3636097; 510791, 3636074; 510770, 3636048; 510741, 3636025; 510712, 3636012; 510687, 3635991; 510646, 3635988; 510622, 3636004; 510620, 3636032; 510597, 3636027; 510589, 3636056; 510556, 3636014; 510563, 3636005; 510573, 3635986; 510567, 3635955; 510570, 3635920; 510557, 3635885; 510552, 3635858; 510563, 3635825; 510573, 3635790; 510541, 3635700; 510505, 3635663; 510531, 3635631; 510548, 3635599; 510559, 3635560; 510559, 3635522; 510556, 3635465; 510539, 3635419; 510458, 3635380; 510429, 3635421; 510425, 3635473; 510399, 3635546; 510388, 3635583; 510358, 3635543; 510274, 3635591; 510238, 3635591; 510215, 3635557; 510188, 3635298; 510173, 3635207; 510161, 3635114; 510159, 3635019; 510159, 3634911; 510187, 3634878; 510273, 3634898.

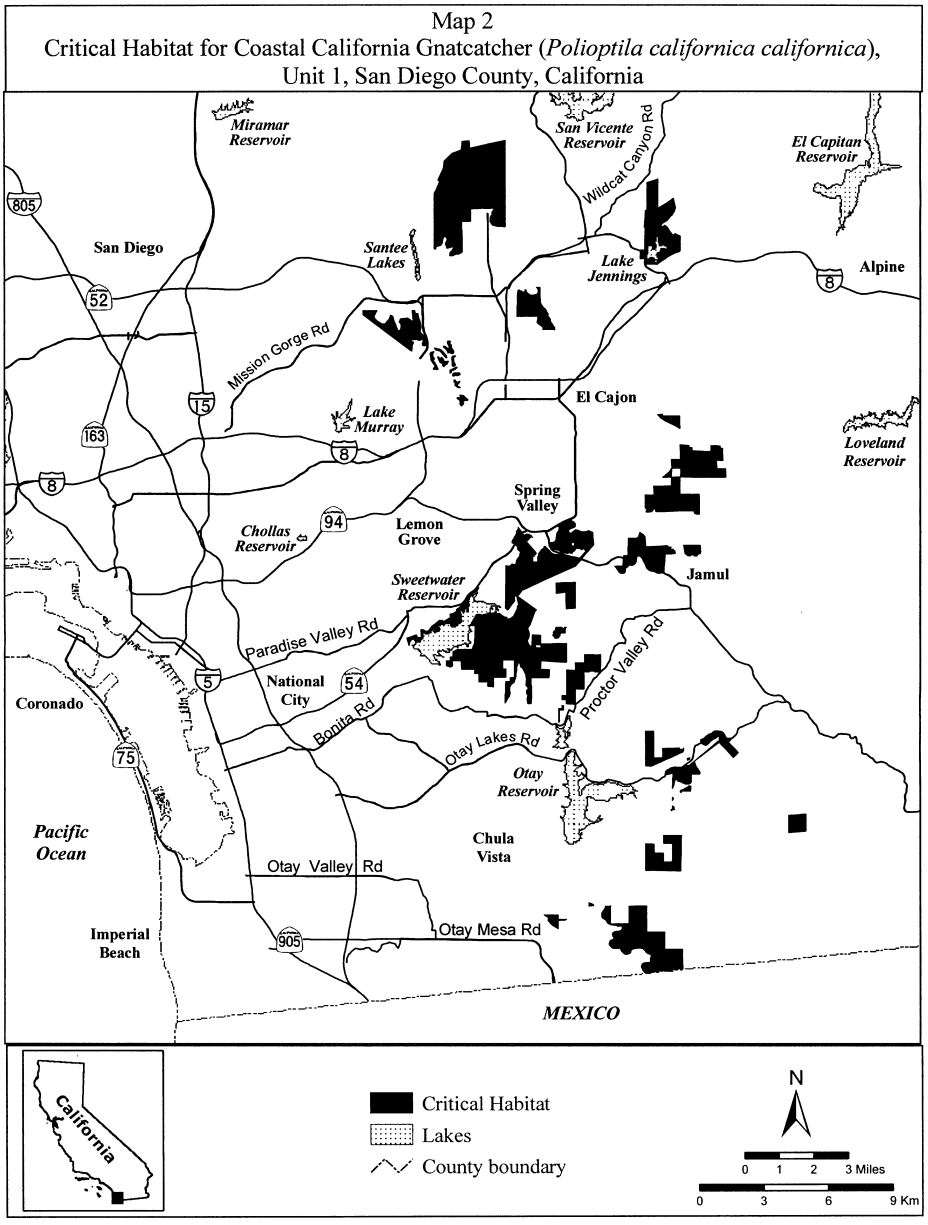
(C) 506682, 3621550; 506686, 3621550; 506686, 3621550; 506687, 3621529; 506808, 3621536; 506800, 3621660; 506794, 3621660; 506792, 3621686; 506671, 3621673.

(D) 506187, 3621805; 506178, 3621773; 506176, 3621764; 506176, 3621764; 506185, 3621761; 506184, 3621757; 506234, 3621742; 506247, 3621782; 506236, 3621786; 506238, 3621791; 506220, 3621796.

(E) 505512, 3621342; 505467, 3621263; 505439, 3621174; 505417, 3621134; 505381, 3621102; 505331, 3621007; 505327, 3620957; 505289, 3620909; 505307, 3620898; 505324, 3620919; 505332, 3620915; 505345, 3620930; 505362, 3620948; 505394, 3621024; 505408, 3621058; 505429, 3621087; 505463, 3621131; 505485, 3621161; 505485, 3621161; 505477, 3621165; 505477, 3621165; 505561, 3621314; 505520, 3621338.

(F) 504820, 3615789; 504819, 3615718; 504819, 3615670; 505229, 3615660; 505228, 3615602; 505227, 3615537; 505225, 3615435; 505325, 3615434; 505324, 3615404; 505325, 3615404; 505326, 3615444; 505226, 3615445; 505230, 3615681; 505230, 3615681; 504832, 3615678; 504831, 3615789.

(ii) Map of Unit 1—South San Diego County (Map 2) follows:

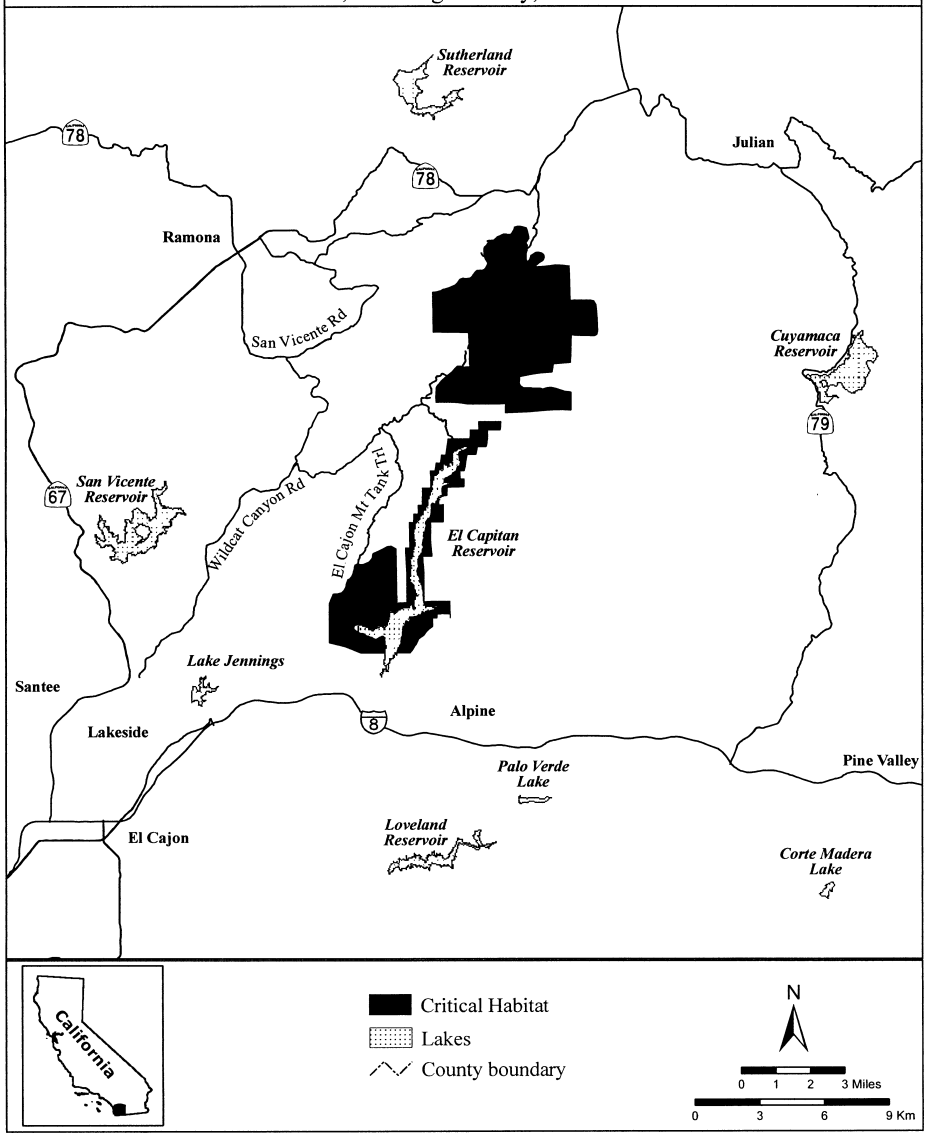


(7) Unit 2: Upper San Diego River and El Capitan Linkage, San Diego County, California.

(i) [Reserved]

(ii) Map of Unit 2—Upper San Diego River and El Capitan Linkage (Map 3) follows:

Map 3
Critical Habitat for Coastal California Gnatcatcher (*Polioptila californica californica*), Unit 2, San Diego County, California



(8) Unit 3: North San Diego County Multiple Habitat Conservation Plan (MHCP), San Diego County, California.

(i) Unit 3 excludes land bounded by the following UTM NAD27 coordinates (E, N):

(A) 466299, 3675700; 466168, 3675903; 466115, 3675831; 466043, 3675831; 466043, 3675721; 466024, 3675695; 465956, 3675698; 465960, 3675608; 466005, 3675596; 466047, 3675623; 466066, 3675540; 465998, 3675479; 465930, 3675479; 465899, 3675453; 465778, 3675347; 465778, 3675044; 465779, 3675036; 466150,

3675053; 466364, 3675147; 466394, 3675211; 466424, 3675305; 466510, 3675361; 466529, 3675389; 466538, 3675422; 466493, 3675460; 466489, 3675385; 466308, 3675358; 466225, 3675464; 466342, 3675634; 466300, 3675699; 466300, 3675700.

(B) 468627, 3675422; 468626, 3675421; 468624, 3675421; 468623, 3675420; 468622, 3675419; 468620, 3675418; 468619, 3675417; 468618, 3675417; 468617, 3675416; 468615, 3675415; 468614, 3675414; 468613, 3675413; 468612, 3675412; 468611, 3675411; 468576, 3675383; 468585, 3675358; 468592, 3675340; 468598, 3675322; 468605, 3675303; 468611, 3675286; 468618, 3675267; 468625, 3675249; 468632, 3675230; 468639, 3675211; 468646, 3675190; 468655, 3675166; 468659, 3675153; 468671, 3675120; 468672, 3675122; 468672, 3675123; 468672, 3675125; 468672, 3675126; 468672, 3675128; 468672, 3675129; 468673, 3675131; 468673, 3675132; 468673, 3675134; 468674, 3675135; 468674, 3675136; 468675, 3675138; 468675, 3675139; 468676, 3675141; 468676, 3675142; 468677, 3675144; 468677, 3675145; 468678, 3675146; 468679, 3675148; 468680, 3675149; 468680, 3675150; 468681, 3675152; 468682, 3675153; 468683, 3675154; 468684, 3675155; 468685, 3675157; 468686, 3675158; 468687, 3675159; 468688, 3675160; 468689, 3675161; 468690, 3675162; 468691, 3675163; 468692, 3675164; 468693, 3675165; 468695, 3675166; 468696, 3675167; 468697, 3675168; 468698, 3675169; 468700, 3675170; 468701, 3675170; 468702, 3675171; 468703, 3675172; 468705, 3675173; 468706, 3675174; 468707, 3675175; 468708, 3675176; 468709, 3675178; 468710, 3675179; 468711, 3675180; 468712, 3675181; 468713, 3675182; 468698, 3675223; 468690, 3675248; 468683, 3675267; 468676, 3675285; 468669, 3675305; 468662, 3675324; 468656, 3675343; 468649, 3675361; 468642, 3675381; 468635, 3675400.

(C) 468576, 3675565; 468544, 3675538; 468526, 3675523; 468559, 3675431; 468570, 3675402; 468599, 3675425; 468600, 3675426; 468601, 3675427; 468603, 3675428; 468604, 3675429; 468605, 3675430; 468606, 3675431; 468607, 3675431; 468609, 3675432; 468610, 3675433; 468611, 3675434; 468613, 3675435; 468614, 3675435; 468615, 3675436; 468617, 3675437; 468618, 3675438; 468619, 3675438; 468621, 3675439; 468621, 3675439; 468610, 3675472.

(D) 497956, 3669589; 498160, 3669567; 498162, 3669567; 498240, 3669558; 498258, 3669556; 498250, 3669607; 498283, 3669607; 498283, 3669643; 498250, 3669640; 498247, 3669670; 498202, 3669670; 498187, 3669703; 498164, 3669709; 498161, 3669732; 498134, 3669735; 498128, 3669768; 497999, 3669762; 498005, 3669694; 497961, 3669697; 497961, 3669697; 497956, 3669697.

(E) 496241, 3669292; 496264, 3669299; 496298, 3669307; 496321, 3669326; 496324, 3669349; 496319, 3669376; 496322, 3669391; 496339, 3669432; 496380, 3669467; 496399, 3669480; 496427, 3669501; 496445, 3669531; 496448, 3669556; 496413, 3669573; 496344, 3669572; 496289, 3669563; 496231, 3669553; 496216, 3669543; 496220, 3669289.

(F) 497814, 3670051; 497691, 3669856; 497574, 3669769; 497592, 3669667; 497628, 3669659; 497650, 3669648; 497659, 3669675; 497731, 3669769; 497793, 3669800; 497858, 3669818; 497858, 3669842; 497855, 3669873; 497957, 3669924; 497957, 3669847; 497999, 3669852; 497999, 3669825; 498071, 3669828; 498062, 3669947; 498035, 3669947; 498032, 3669980; 497979, 3669980; 497979, 3670034; 497955, 3670040; 497955, 3670058; 497817, 3670061; 497813, 3670051.

(G) 490504, 3670067; 490502, 3670067; 490501, 3670068; 490500, 3670069; 490499, 3670070; 490497, 3670070; 490496, 3670071; 490495, 3670072; 490493, 3670073; 490492, 3670073; 490491, 3670074; 490489, 3670075; 490488, 3670076; 490487, 3670077; 490485, 3670077; 490484, 3670078; 490484, 3670078; 490482, 3670079; 490481, 3670079; 490479, 3670079; 490478, 3670079; 490476, 3670078; 490475, 3670077; 490474, 3670076; 490474, 3670076; 490456, 3670049; 490460, 3670049; 490508, 3670048; 490504, 3670066.

(H) 490396, 3670451; 490431, 3670451; 490464, 3670452; 490512, 3670631; 490521, 3670668; 490533, 3670711; 490544, 3670754; 490563, 3670826; 490563, 3670826; 490563, 3670826; 490576, 3670875; 490589, 3670923; 490613, 3671012; 490624, 3671056; 490635, 3671098; 490577, 3671114; 490562, 3671118; 490547, 3671122; 490546, 3671117; 490518, 3671012; 490510, 3670983; 490485, 3670888; 490477, 3670856; 490474, 3670848; 490430, 3670681; 490401, 3670571; 490382, 3670576; 490380, 3670568; 490344, 3670450.

(I) 478427, 3664552; 478445, 3664555; 478472, 3664560; 478500, 3664570; 478514, 3664586; 478514, 3664605; 478503, 3664621; 478505, 3664643; 478520, 3664661; 478534, 3664676; 478539, 3664707; 478534, 3664727; 478508, 3664749; 478484, 3664765; 478475, 3664786; 478470, 3664815; 478478, 3664905; 478489, 3664950; 478499, 3664972; 478514, 3664990; 478534, 3665004; 478544, 3665029; 478549, 3665061; 478541, 3665100; 478521, 3665136; 478514, 3665144; 478503, 3665143; 478493, 3665132; 478477, 3665113; 478429, 3665019; 478397, 3664972; 478387, 3664934; 478385, 3664897; 478386, 3664848; 478370, 3664805; 478364, 3664762; 478364, 3664707; 478336, 3664649; 478332, 3664620; 478352, 3664588; 478388, 3664559; 478417, 3664551.

(J) 481458, 3661671; 481178, 3661673; 481159, 3661674; 481159, 3661673; 481137, 3661659; 481167, 3661658; 481477, 3661655; 481477, 3661671.

(K) 481109, 3661659; 481131, 3661674; 481109, 3661674; 481078, 3661674; 481077, 3661674; 481075, 3661674; 480911, 3661676; 480895, 3661676; 480711, 3661678; 480721, 3661667; 480727, 3661661; 480727, 3661661; 480728, 3661660; 480729, 3661659; 480730, 3661658; 480731, 3661656; 480732, 3661655; 480733, 3661654; 480734, 3661653; 480735, 3661652; 480736, 3661651; 480771, 3661606; 480772, 3661605; 480773, 3661604; 480774, 3661603; 480775, 3661602; 480776, 3661601; 480777, 3661600; 480778, 3661599; 480779, 3661598; 480781, 3661597; 480782, 3661596; 480783, 3661595; 480784, 3661594; 480786, 3661594; 480787, 3661593; 480788, 3661592; 480790, 3661591; 480791, 3661591; 480793, 3661590; 480793, 3661590; 480794, 3661590; 480843, 3661567; 480845, 3661571; 480899, 3661545; 480903, 3661543; 480907, 3661542; 480914, 3661541; 480920, 3661541; 480925, 3661541; 480933, 3661543; 480938, 3661545; 480942, 3661546; 480946, 3661548; 480964, 3661560; 480969, 3661564; 480973, 3661567; 481075, 3661642; 481075, 3661659.

(L) 482060, 3660866; 482119, 3661074; 482021, 3661208; 481862, 3661306; 481672, 3661355; 481427, 3661377; 481422, 3661445; 481251, 3661481; 481066, 3661377; 481068, 3661064; 481093, 3660981; 481093, 3660893; 481200, 3660849; 481261, 3660763; 481388, 3660671; 481532, 3660663; 481691, 3660710; 481811,

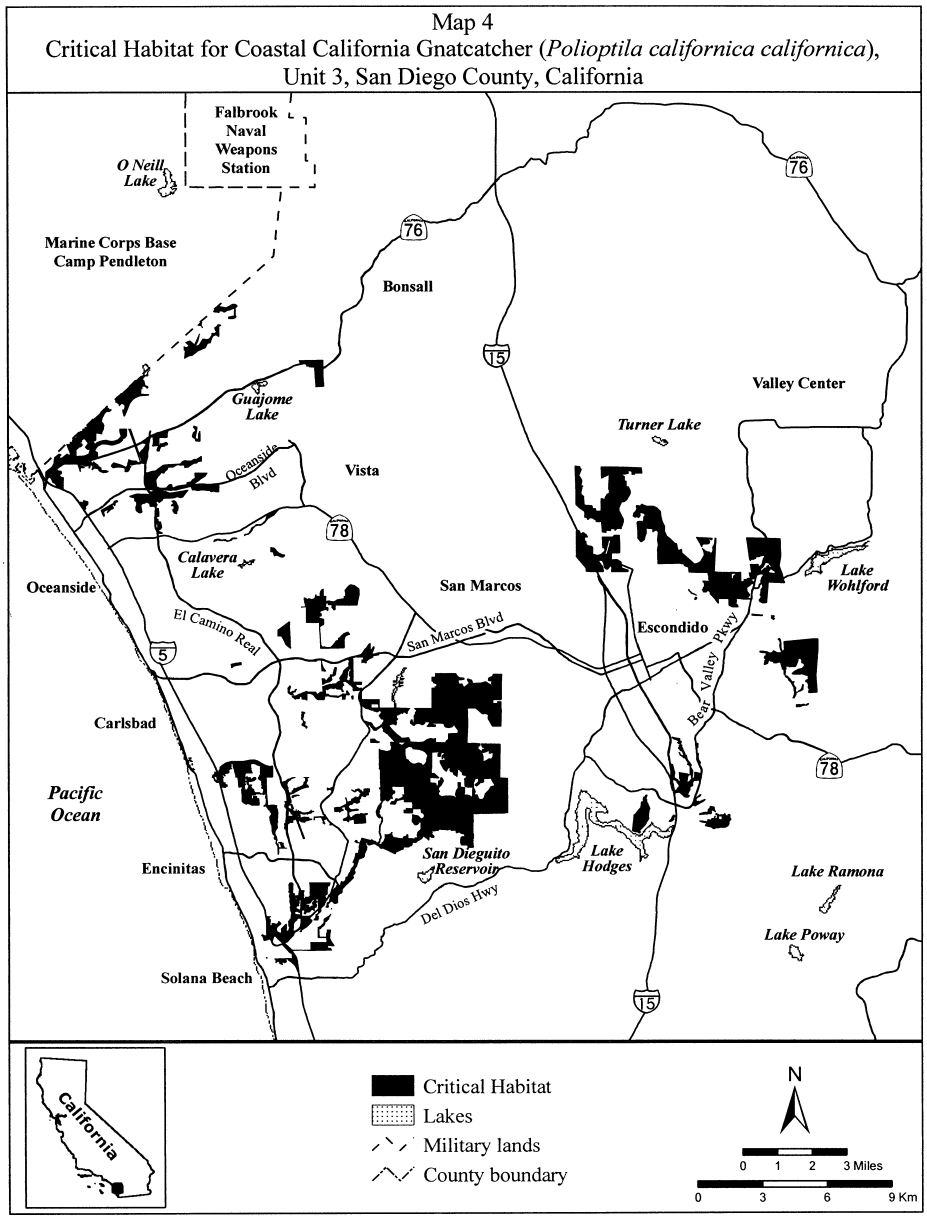
3660680; 481838, 3660624; 481921, 3660585; 482009, 3660673; 482065, 3660776.

(M) 482222, 3659770; 482283, 3659774; 482483, 3659767; 482510, 3659640; 482610, 3659643; 482613, 3659873; 482719, 3659883; 482707, 3659955; 482731, 3660034; 482779, 3659995; 482816, 3659910; 482831, 3659843; 482788, 3659761; 482752, 3659698; 482716, 3659634; 482649, 3659595; 482607, 3659510; 482604, 3659468; 482667, 3659371; 482601, 3659374; 482616, 3659198; 482722, 3659155; 482776, 3659116; 482843, 3659149; 482967, 3659162; 483164, 3659165; 483245, 3659150; 483247, 3659152; 483297, 3659146; 483397, 3659083; 483455, 3659071; 483437, 3659131; 483397, 3659262; 483428, 3659343; 483449, 3659443; 483516, 3659504; 483516, 3659561; 483519, 3659792; 483631, 3659795; 483628, 3659577; 483822, 3659568; 483809, 3659207; 483991, 3659201; 484037, 3659192; 484115, 3659131; 484185, 3659122; 484206, 3659575; 483922, 3659589; 483922, 3659604; 483837, 3659613; 483831, 3659986; 483900, 3660004; 483900, 3660058; 483931, 3660073; 483925, 3660146; 483806, 3660146; 483746, 3660152; 483722, 3660183; 483706, 3660267; 483609, 3660355; 483613, 3660410; 483491, 3660419; 483470, 3660067; 483461, 3660092; 483428, 3660128; 483364, 3660152; 483349, 3660179; 483304, 3660189; 483294, 3660237; 483279, 3660255; 483270, 3660295; 483182, 3660298; 483176, 3660337; 483143, 3660361; 483155, 3660482; 483097, 3660495; 483013, 3660434; 482976, 3660325; 482876, 3660414; 482871, 3660414; 482685, 3660734; 482698, 3660828; 482940, 3660852; 482907, 3660910; 482910, 3661043; 482885, 3661043; 482788, 3660888; 482792, 3661046; 482907, 3661146; 482904, 3661191; 482737, 3661200; 482731, 3661116; 482707, 3661116; 482704, 3661013; 482579, 3661022; 482579, 3661043; 482610, 3661055; 482607, 3661073; 482579, 3661079; 482579, 3661134; 482604, 3661143; 482637, 3661170; 482640, 3661225; 482292, 3661222; 482291, 3661178; 482291, 3661140; 482296, 3660467; 482280, 3660467; 482280, 3660461; 482283, 3660213; 482398, 3660222; 482452, 3660170; 482507, 3660113; 482640, 3660010; 482271, 3660030; 482204, 3660034; 482205, 3660014.

(N) 484270, 3659831; 484228, 3659834; 484234, 3659574; 484223, 3659574; 484331, 3659349; 484312, 3659334; 484270, 3659301; 484273, 3659255; 484315, 3659228; 484394, 3659219; 484473, 3659043; 484512, 3659028; 484576, 3659013; 484622, 3658986; 484611, 3659016; 484685, 3659025; 484740, 3659083; 484749, 3659165; 484779, 3659259; 484883, 3659366; 484964, 3659449; 484982, 3659513; 485045, 3659598; 485121, 3659616; 485221, 3659655; 485224, 3659698; 485079, 3659922; 485073, 3659989; 484685, 3659976; 484727, 3659828; 484636, 3659798; 484603, 3659783; 484582, 3659813; 484537, 3659780; 484506, 3659722; 484437, 3659677; 484385, 3659616; 484337, 3659652; 484312, 3659677; 484337, 3659731; 484473, 3659822; 484467, 3659998; 484355, 3660001; 484331, 3659961; 484309, 3659937; 484270, 3659937.

(O) 480469, 3662072; 480641, 3661757; 480663, 3661718; 480664, 3661716; 480663, 3661812; 480521, 3662072.

(ii) Map of Unit 3—North San Diego County Multiple Habitat Conservation Plan (MHCP) (Map 4) follows:



(9) Unit 5: North County Subarea of the Multiple Species Conservation Program (MSCP) for Unincorporated San Diego County, San Diego County, California.

(i) Unit 5 excludes land bounded by the following UTM NAD27 coordinates (E, N):

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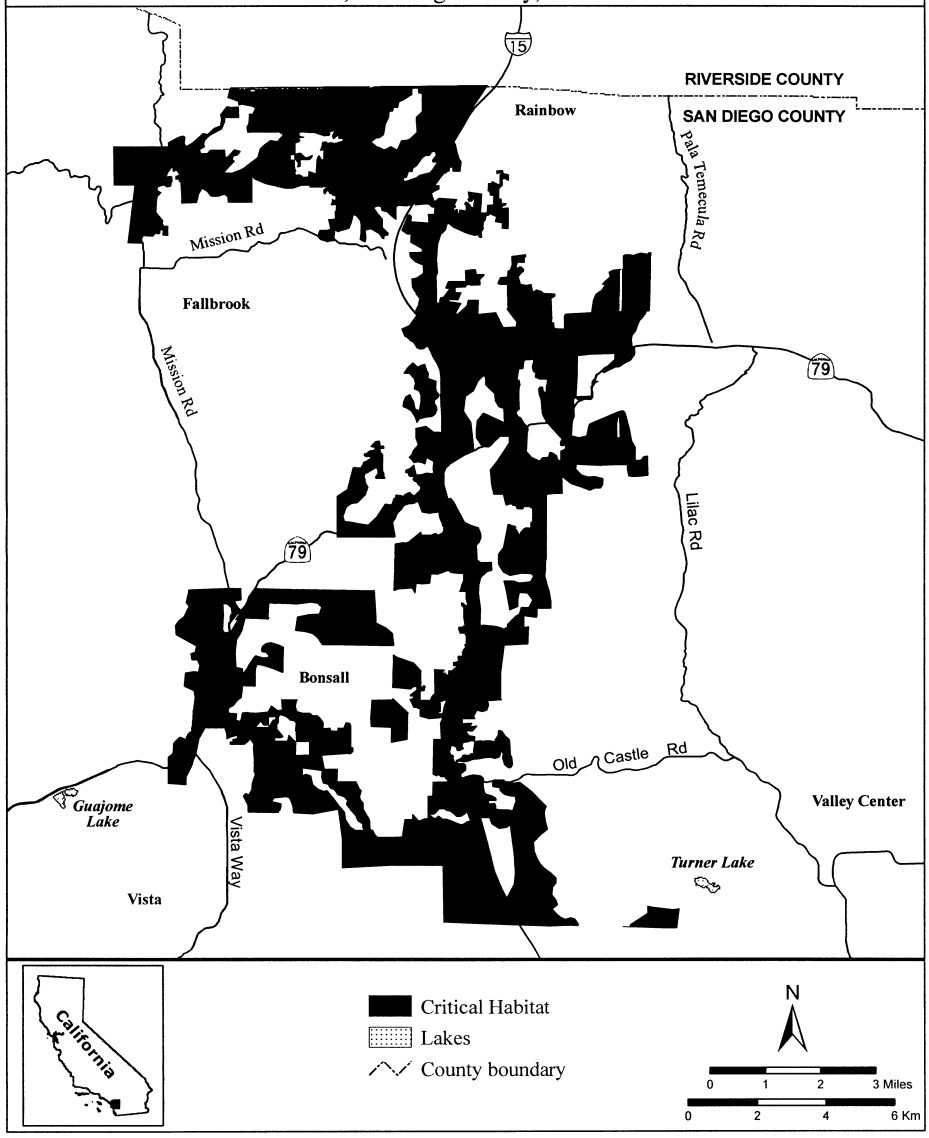
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(ii) Map of Unit 5—North County Subarea of the MSCP for Unincorporated San Diego County (Map 5) follows:

Map 5
Critical Habitat for Coastal California Gnatcatcher (*Polioptila californica californica*), Unit 5, San Diego County, California

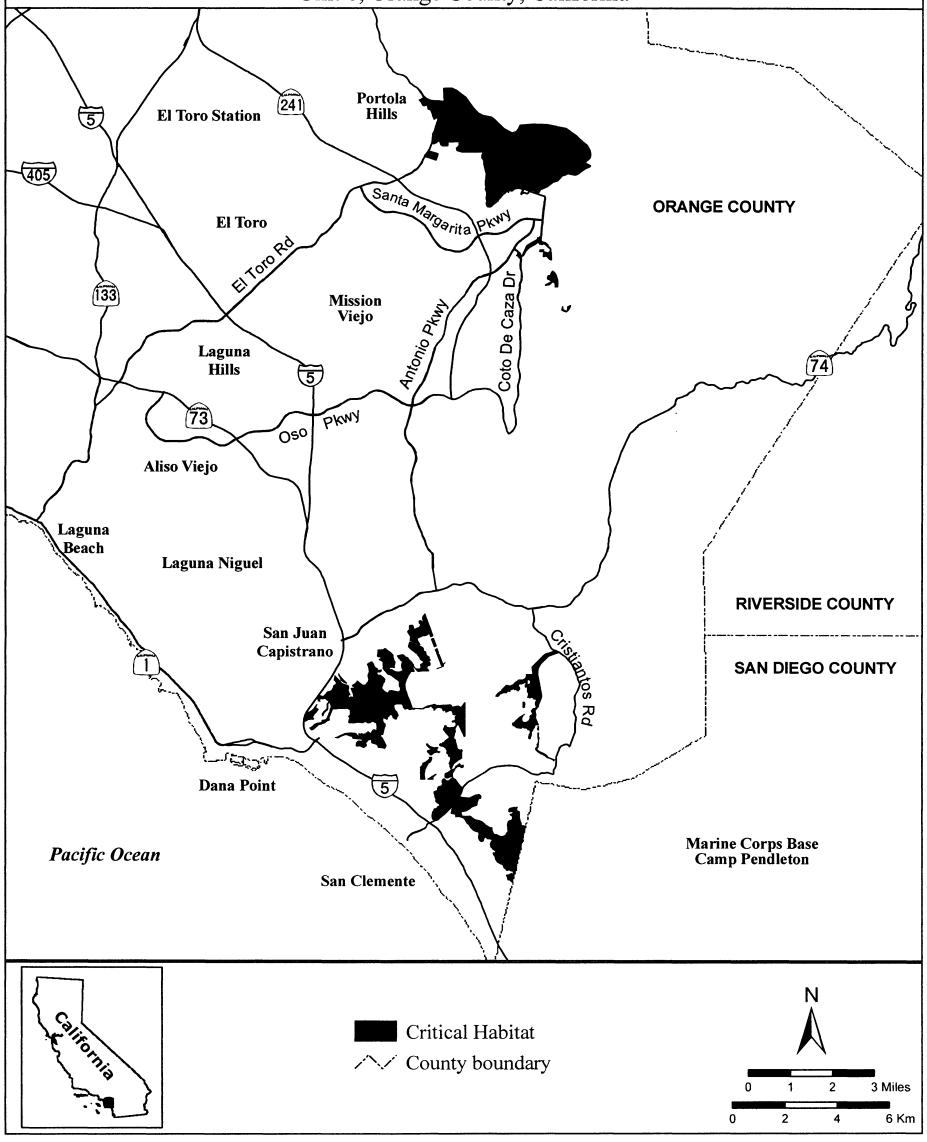


(10) Unit 6: Southern Natural Communities Conservation Program (NCCP) Subregion of Orange County, Orange County, California.

(i) [Reserved]

(ii) Map of Unit 6—Southern NCCP Subregion of Orange County (Map 6) follows:

Map 6
Critical Habitat for Coastal California Gnatcatcher (*Polioptila californica californica*), Unit 6, Orange County, California



(11) Unit 7: Central-Coastal NCCP Subregions of Orange County (Central-Coastal NCCP), Orange County, California.

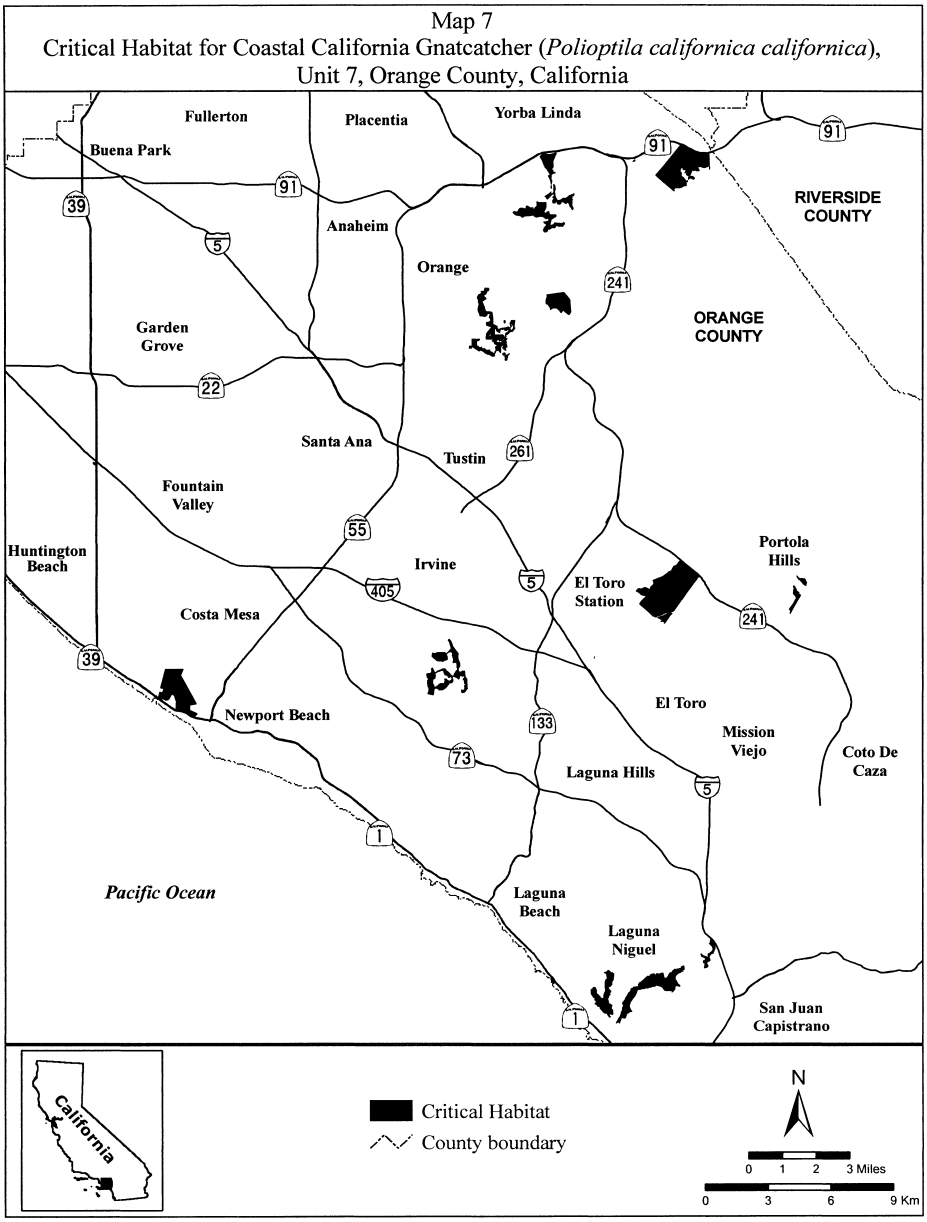
(i) Unit 7 excludes land bounded by the following UTM NAD27 coordinates (E, N):

(A) 427280, 3738801; 427329, 3738859; 427365, 3738879; 427333, 3738938; 427232, 3738884; 427235, 3738870; 427240, 3738856; 427231, 3738844; 427235, 3738831; 427255, 3738801.

(B) 426475, 3738412; 426469, 3738431; 426463, 3738449; 426464, 3738471; 426464, 3738488; 426456,

3738499; 426454, 3738515; 426462, 3738526; 426479, 3738537; 426480, 3738529; 426488, 3738522; 426502, 3738525; 426518, 3738537; 426538, 3738545; 426542, 3738538; 426542, 3738525; 426540, 3738505; 426533, 3738484; 426526, 3738459; 426519, 3738432; 426511, 3738411; 426491, 3738405.

(ii) Map of Unit 7—Central—Coastal NCCP Subregions of Orange County (Central—Coastal NCCP) (Map 7) follows:



(12) Unit 8: Palos Verdes Peninsula Subregion, Los Angeles County, Los Angeles County, California.

(i) Unit 8 excludes land bounded by the following UTM NAD27 coordinates (E, N):

(A) 374717, 3735861; 374771, 3735963; 374736, 3736039; 374714, 3736090; 374758, 3736109; 374768, 3736141; 374717, 3736236; 374739, 3736287; 374714, 3736379; 374663, 3736436; 374717, 3736496; 374800, 3736433; 374860, 3736452; 374822, 3736591; 374715, 3736627; 374685, 3736563; 374688, 3736531; 374558, 3736537; 374533, 3736468; 374606, 3736391; 374593, 3736372; 374571, 3736350; 374593, 3736293; 374622, 3736293; 374650, 3736268; 374622, 3736236; 374622, 3736195; 374644, 3736175; 374631, 3736106; 374666, 3736042; 374622, 3735975; 374641, 3735883; 374707, 3735848.

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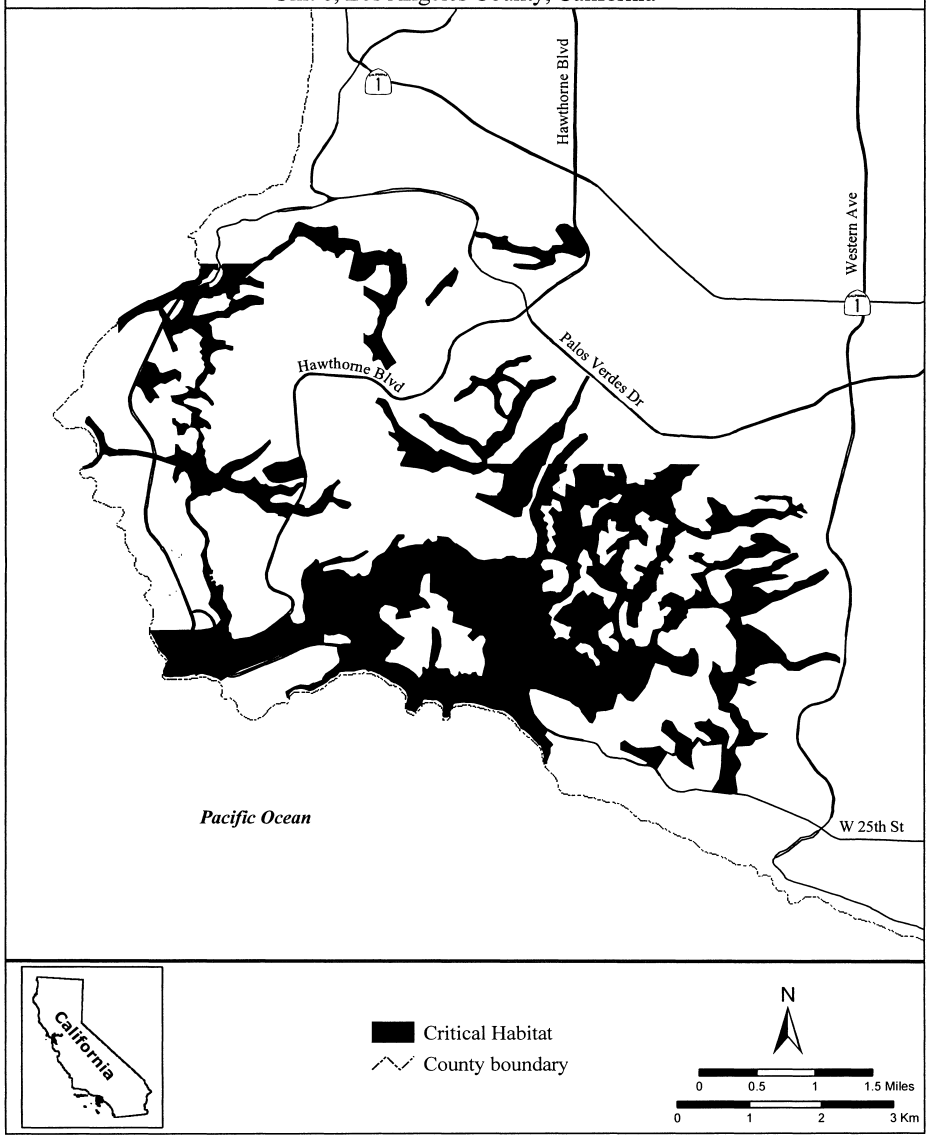
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3734157; 373678, 3734144; 373686, 3734142; 373710, 3734138; 373723, 3734134; 373738, 3734138; 373780, 3734303; 373783, 3734372; 373757, 3734468; 373748, 3734531; 373773, 3734582; 373789, 3734607; 373792, 3734658; 373767, 3734706; 373742, 3734719; 373704, 3734719; 373653, 3734677; 373630, 3734658; 373608, 3734639; 373538, 3734709; 373599, 3734769; 373605, 3734807; 373332, 3734903; 373345, 3735014; 373338, 3735049; 373272, 3735071; 373262, 3735115; 373275, 3735176; 373249, 3735217; 373116, 3735296; 373024, 3735315; 373024, 3735582; 372964, 3735576; 372922, 3735554; 372884, 3735449; 372878, 3735357; 372872, 3735309; 372859, 3735281; 372884, 3735242; 372919, 3735227; 372961, 3735198; 372989, 3735150; 373015, 3735112; 373015, 3735100; 372983, 3735090; 372932, 3735112; 372853, 3735087; 372776, 3735074; 372729, 3735049; 372735, 3735011; 372741, 3734985; 372751, 3734969; 372618, 3734954; 372551, 3734944; 372551, 3734998; 372583, 3735033; 372586, 3735065; 372578, 3735075; 372578, 3735078; 372576, 3735078.

(J) 374061, 3737786; 374013, 3737868; 373975, 3737938; 373972, 3737989; 374000, 3738087; 373975, 3738125; 373956, 3738170; 373937, 3738214; 373959, 3738240; 374004, 3738268; 374064, 3738278; 374124, 3738259; 374178, 3738221; 374219, 3738195; 374254, 3738154; 374267, 3738132; 374258, 3738100; 374216, 3738055; 374181, 3738011; 374159, 3737957; 374153, 3737903; 374145, 3737858; 374137, 3737846; 374115, 3737808; 374099, 3737786.

(ii) Map of Unit 8—Palos Verdes Peninsula Subregion, Los Angeles County (Map 8) follows:

Map 8
Critical Habitat for Coastal California Gnatcatcher (*Polioptila californica californica*), Unit 8, Los Angeles County, California

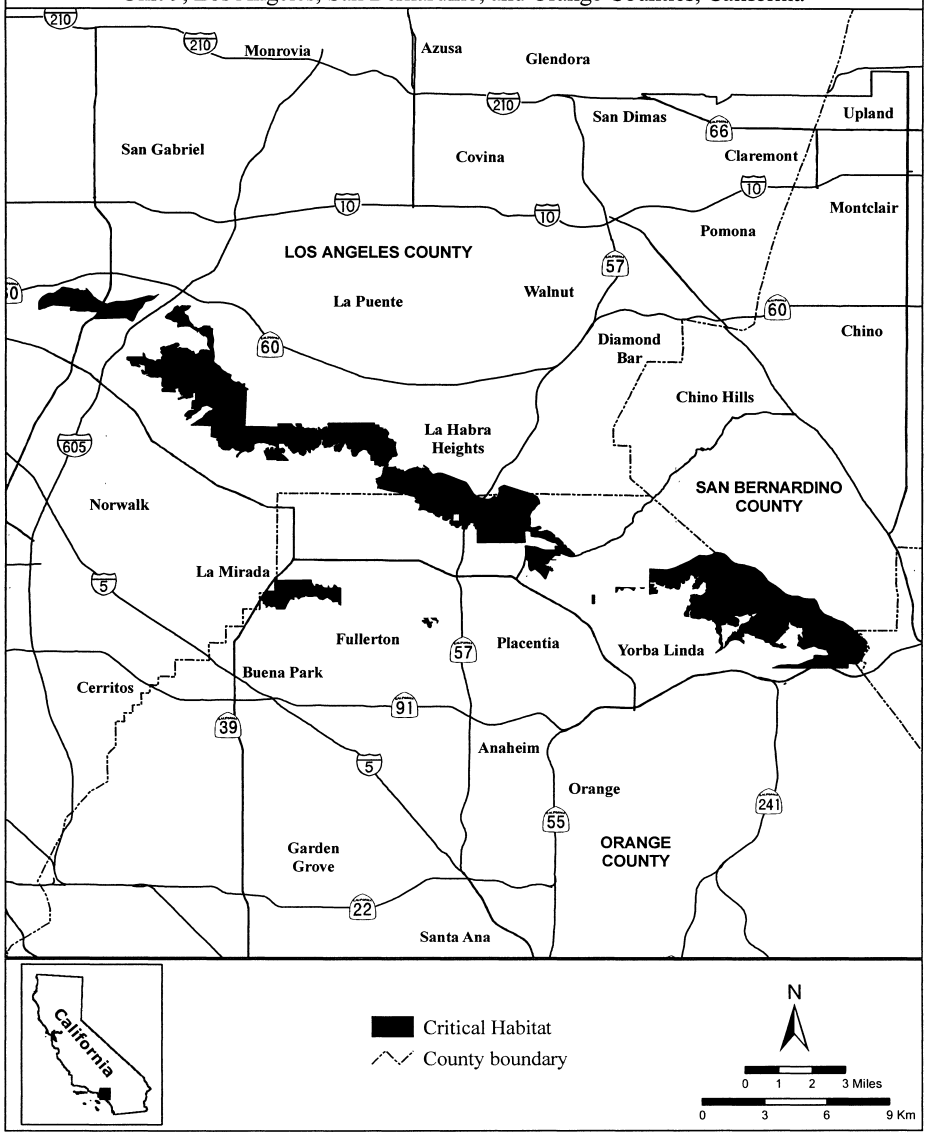


(13) Unit 9: East Los Angeles County—Matrix NCCP Subregion of Orange County, Los Angeles, San Bernardino, and Orange Counties, California.

(i) Unit 9 excludes land bounded by the following UTM NAD27 coordinates (E, N): 418541, 3755066; 418231, 3755073; 418244, 3755423; 418551, 3755416.

(ii) Map of Unit 9—East Los Angeles County—Matrix NCCP Subregion of Orange County (Map 9) follows:

Map 9
Critical Habitat for Coastal California Gnatcatcher (*Polioptila californica californica*), Unit 9, Los Angeles, San Bernardino, and Orange Counties, California



(14) Unit 10: Western Riverside County Multiple Species Habitat Conservation Plan, San Bernardino and Riverside Counties, California.

(i) Unit 10 excludes land bounded by the following UTM NAD27 coordinates (E, N):

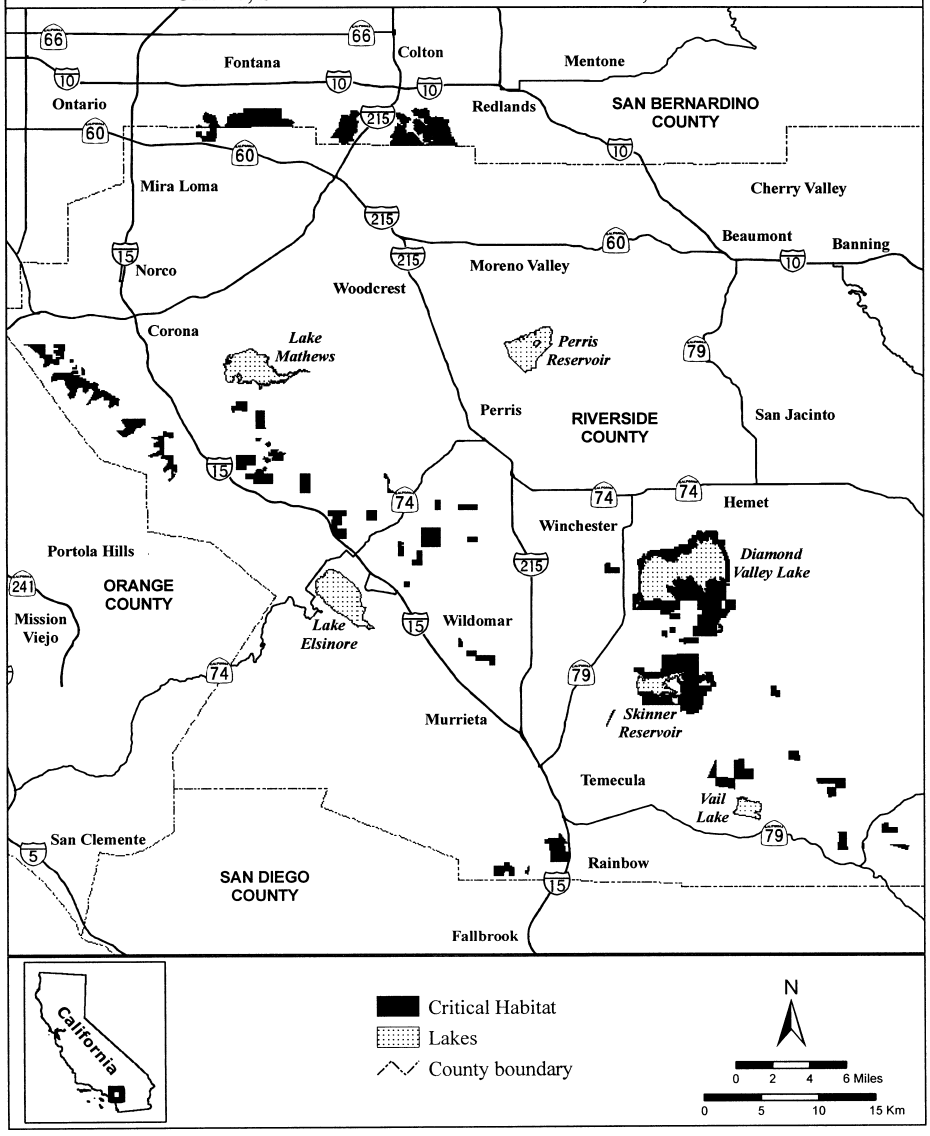
(A) 497619, 3716257; 497604, 3716268; 497581, 3716300; 497571, 3716311; 497557, 3716324; 497542, 3716337; 497528, 3716347; 497513, 3716355; 497500, 3716364; 497491, 3716373; 497484, 3716384; 497484, 3716395; 497492, 3716404; 497507, 3716411; 497522, 3716414; 497549, 3716413; 497559, 3716418; 497572,

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(B) 496452, 3715265; 496460, 3715297; 496475, 3715302; 496490, 3715304; 496500, 3715306; 496517, 3715306; 496538, 3715300; 496557, 3715294; 496580, 3715281; 496592, 3715277; 496611, 3715258; 496666, 3715222; 496692, 3715219; 496719, 3715219; 496745, 3715228; 496769, 3715253; 496779, 3715290; 496805, 3715302; 496828, 3715311; 496854, 3715317; 496872, 3715322; 496889, 3715320; 496897, 3715320; 496915, 3715314; 496937, 3715303; 496956, 3715297; 496977, 3715291; 496988, 3715285; 496989, 3715272; 497001, 3715130; 497015, 3714996; 497022, 3714929; 497015, 3714716; 497010, 3714699; 496997, 3714671; 496977, 3714642; 496959, 3714621; 496944, 3714618; 496918, 3714616; 496678, 3714617; 496660, 3714616; 496641, 3714625; 496620, 3714633; 496603, 3714639; 496586, 3714655; 496569, 3714669; 496550, 3714691; 496527, 3714712; 496499, 3714746; 496474, 3714778; 496468, 3714793; 496461, 3714801; 496455, 3714810; 496454, 3714991.

(ii) Map of Unit 10—Western Riverside County Multiple Species Habitat Conservation Plan (Map 10) follows:

Map 10
Critical Habitat for Coastal California Gnatcatcher (*Polioptila californica californica*), Unit 10, San Bernardino and Riverside Counties, California

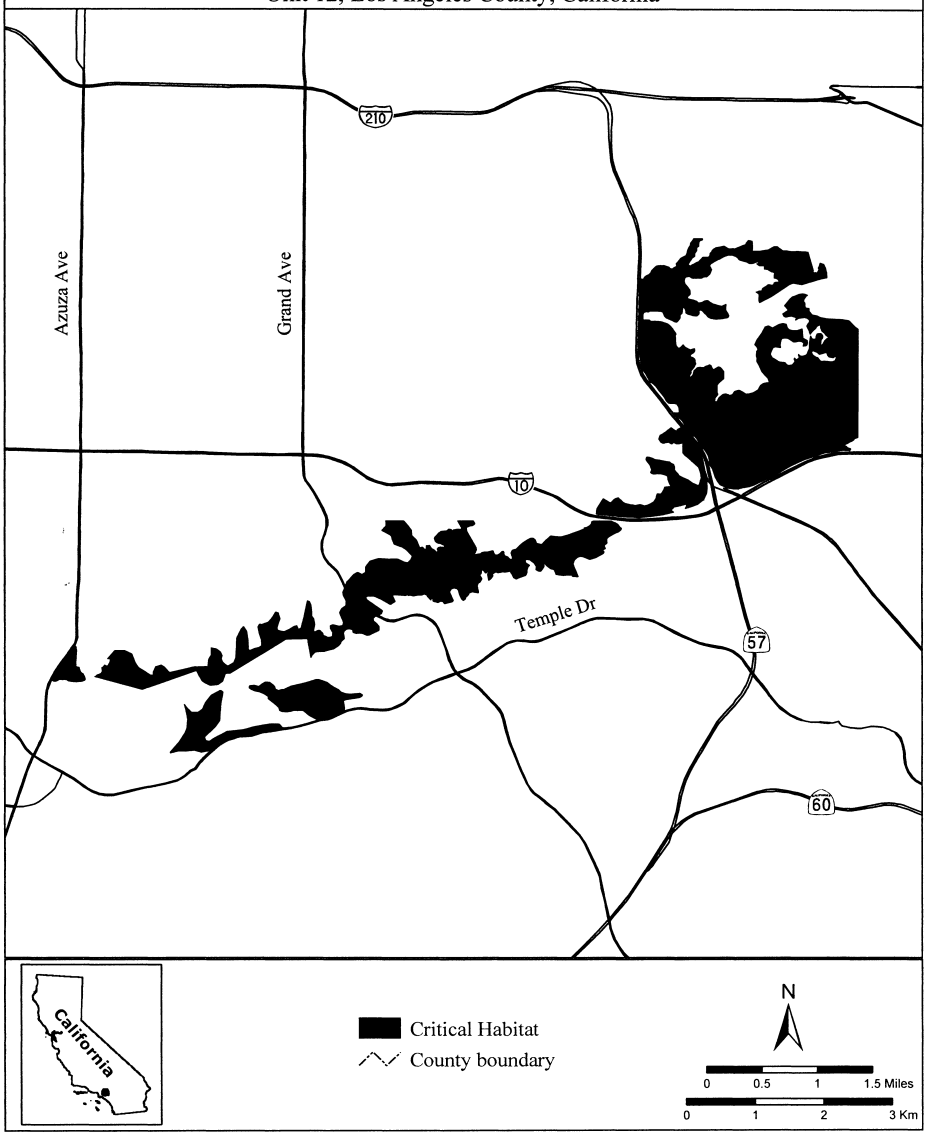


(15) Unit 12: East Los Angeles County, Los Angeles County, California.

(i) Unit 12 excludes land bounded by the following UTM NAD27 coordinates (E, N): 427036, 3771756; 427083, 3771721; 427106, 3771719; 427131, 3771702; 427144, 3771670; 427169, 3771658; 427210, 3771664; 427271, 3771661; 427318, 3771654; 427363, 3771670; 427379, 3771708; 427382, 3771740; 427350, 3771727; 427344, 3771715; 427274, 3771727; 427252, 3771756; 427236, 3771794; 427137, 3771769; 427099, 3771797; 427074, 3771807; 427042, 3771819; 427017, 3771794; 427026, 3771775.

(ii) Map of Unit 12—East Los Angeles County (Map 11) follows:

Map 11
Critical Habitat for Coastal California Gnatcatcher (*Polioptila californica californica*), Unit 12, Los Angeles County, California



(16) Unit 13: Western Los Angeles and Ventura Counties, Ventura and Los Angeles Counties, California.

(i) Unit 13 excludes land bounded by the following UTM NAD27 coordinates (E, N):

(A) 349305, 3798421; 349605, 3798121; 349805, 3798021; 349905, 3797921; 350005, 3797921; 350005, 3798221; 349905, 3798321; 349705, 3798421; 349605, 3798521; 349305, 3798521.

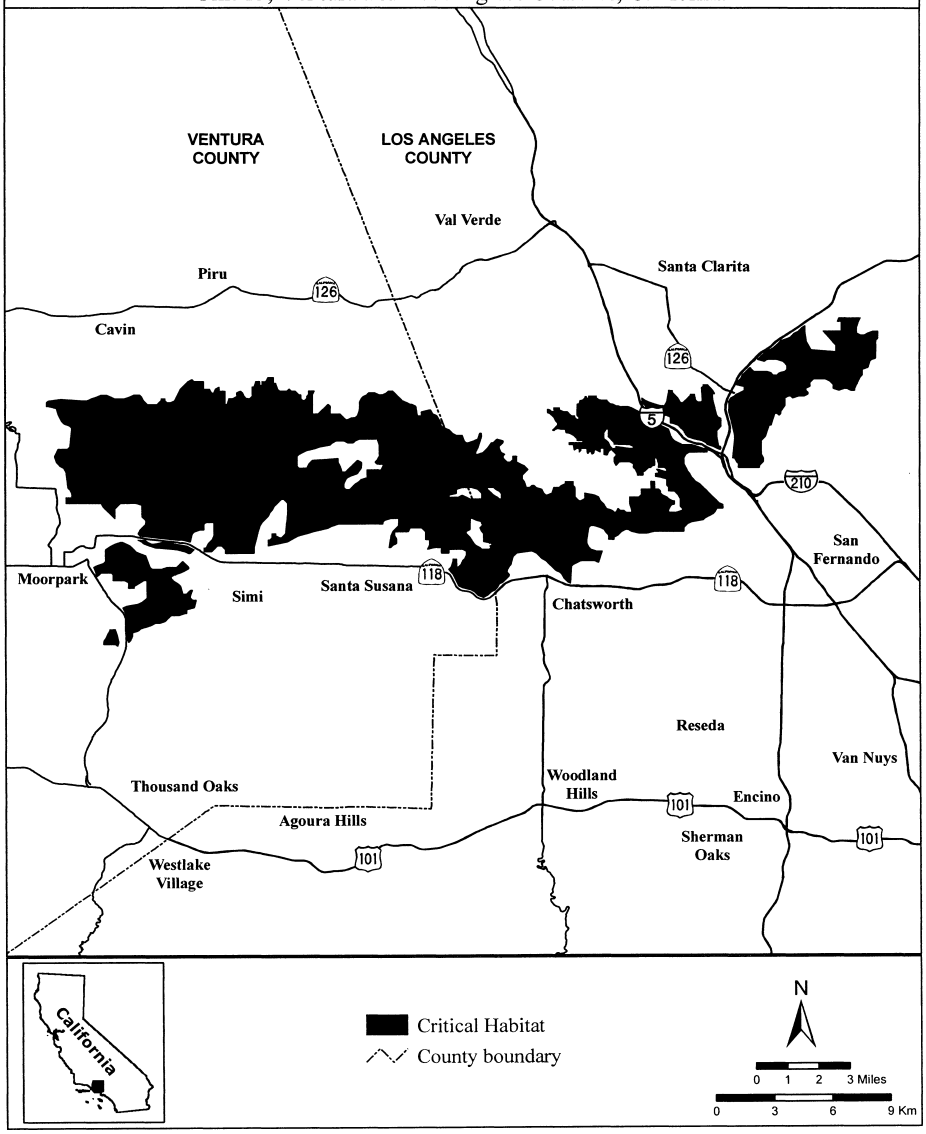
(B) 349005, 3797921; 349005, 3798221; 348805, 3798421; 348505, 3798521; 348293, 3798521; 348005, 3798521; 347705, 3798421; 347705, 3798221; 347305, 3798121; 347305, 3798021; 347805, 3798021; 348005, 3798121; 348405, 3797921; 348526, 3797921.

(C) 348405, 3796321; 348205, 3796221; 348205, 3796121; 348405, 3795921; 348605, 3795621; 348705, 3795521; 348905, 3795421; 349005, 3795321; 349405, 3795321; 349466, 3795382; 349505, 3795421; 349505, 3795621; 349407, 3795646; 349105, 3795721; 349105, 3796121; 349005, 3796221; 348905, 3796421; 349050, 3796567; 349105, 3796621; 349105, 3796721; 348978, 3796753; 348705, 3796821; 348505, 3796921; 348405, 3796921.

(D) 342505, 3798721; 342705, 3798821; 342805, 3798921; 343105, 3799021; 343105, 3799421; 343805, 3799421; 343905, 3799621; 343905, 3799721; 343605, 3799721; 343505, 3799821; 343605, 3799921; 343705, 3800121; 343705, 3800721; 343605, 3801021; 342705, 3801021; 342505, 3800921; 342405, 3800821; 342105, 3800821; 341905, 3800921; 341505, 3800921; 341305, 3800821; 341205, 3800721; 340705, 3800621; 340405, 3800521; 340005, 3800421; 339805, 3800321; 339605, 3800221; 339505, 3800121; 339505, 3799621; 339605, 3799521; 340005, 3799521; 340105, 3799721; 340305, 3799921; 341605, 3800021; 341605, 3799821; 341705, 3799621; 341805, 3799321; 342005, 3799321; 342605, 3799921; 342805, 3799821; 342805, 3799521; 342605, 3799221; 342305, 3799121; 342105, 3799021; 342005, 3798921; 341905, 3798721; 341905, 3798521; 342005, 3798421; 342205, 3798421.

(ii) Map of Unit 13—Western Los Angeles and Ventura Counties (Map 12) follows:

Map 12
Critical Habitat for Coastal California Gnatcatcher (*Polioptila californica californica*), Unit 13, Ventura and Los Angeles Counties, California



CRESTED HONEYCREEPER (AKOHEKOHE) (*Palmeria dolei*),

(1) Critical habitat units are depicted for Maui County, Hawaii, on the maps below.

(2) *Primary constituent elements.* (i) In units 1 and 37, the primary constituent elements of critical habitat for the Akohekohe are:

(A) Elevation: Less than 3,300 ft (1,000 m).

(B) Annual precipitation: 50 to 75 in (130 to 190 cm).

(C) Substrate: Shallow soils, little to no herbaceous layer.

(D) Canopy: *Acacia, Diospyros, Metrosideros, Myrsine, Pouteria, Santalum.*

(E) Subcanopy: *Dodonaea, Freycinetia, Leptecophylla, Melanthera, Osteomeles, Pleomele, Psydrax.*

(F) Understory: *Carex, Dicranopteris, Diplazium, Elaphoglossum, Peperomia.*

(ii) In units 2, 3, 4, 5, 6, 7, 8, 9, 38, and 39, the primary constituent elements of critical habitat for the Akohekohe are:

(A) Elevation: Less than 3,300 ft (1,000 m).

(B) Annual precipitation: Greater than 75 in (190 cm).

(C) Substrate: Clays; ashbeds; deep, well-drained soils; lowland bogs.

(D) Canopy: *Antidesma, Metrosideros, Myrsine, Pisonia, Psychotria.*

(E) Subcanopy: *Cibotium, Claoxylon, Kadua, Melicope.*

(F) Understory: *Alyxia, Cyrtandra, Dicranopteris, Diplazium, Machaerina, Microlepia.*

(iii) In units 10, 11, 12, 13, 14, 15, 16, 40, and 41, the primary constituent elements of critical habitat for the Akohekohe are:

(A) Elevation: Between 3,300 and 6,500 ft (1,000 and 2,000 m)

(B) Annual precipitation: Greater than 75 in (190 cm).

(C) Substrate: Well-developed soils, montane bogs.

(D) Canopy: *Acacia, Charpentiera, Cheirodendron, Metrosideros.*

(E) Subcanopy: *Broussaisia, Cibotium, Eurya, Ilex, Myrsine.*

(F) Understory: Ferns, *Carex, Coprosma, Leptecophylla, Oreobolus, Rhynchospora, Vaccinium.*

(iv) In units 18, 19, 20, 21, 22, and 42, the primary constituent elements of critical habitat for the Akohekohe are:

(A) Elevation: Between 3,300 and 6,500 ft (1,000 and 2,000 m).

(B) Annual precipitation: Between 50 and 75 in (130 and 190 cm).

(C) Substrate: Deep ash deposits, thin silty loams.

(D) Canopy: *Acacia, Ilex, Metrosideros, Myrsine, Nestegis, Nothocestrum, Pisonia, Pittosporum, Psychotria, Sophora, Zanthoxylum.*

(E) Subcanopy: *Alyxia, Charpentiera, Coprosma, Dodonaea, Kadua, Labordia, Leptecophylla, Phyllostegia, Vaccinium.*

(F) Understory: Ferns, *Carex, Peperomia.*

(v) In units 24 and 25, the primary constituent elements of critical habitat for the Akohekohe are:

(A) Elevation: Between 6,500 and 9,800 ft (2,000 and 3,000 m).

(B) Annual precipitation: Between 15 and 40 in (38 and 100 cm).

(C) Substrate: Dry ash; sandy loam; rocky, undeveloped soils; weathered lava.

(D) Canopy: *Chamaesyce, Chenopodium, Metrosideros, Myoporum, Santalum, Sophora.*

(E) Subcanopy: *Coprosma, Dodonaea, Dubautia, Geranium, Leptecophylla, Vaccinium, Wikstroemia.*

(F) Understory: Ferns, *Bidens, Carex, Deschampsia, Eragrostis, Gahnia, Luzula, Panicum, Pseudognaphalium, Sicyos, Tetramolopium.*

(vi) In units 26, 27, 28, and 29, the primary constituent elements of critical habitat for the Akohekohe are:

(A) Elevation: Unrestricted.

(B) Annual precipitation: Less than 75 in (190 cm).

(C) Substrate: Greater than 65 degree slope, rocky talus.

(D) Canopy: None.

(E) Subcanopy: *Antidesma, Chamaesyce, Diospyros, Dodonaea.*

(F) Understory: *Bidens, Eragrostis, Melanthera, Schiedea.*

(vii) In units 30, 31, 32, 33, 35, 36, 43, and 44, the primary constituent elements of critical habitat for the Akohekohe are:

(A) Elevation: Unrestricted.

(B) Annual precipitation: Greater than 75 in (190 cm).

(C) Substrate: Greater than 65 degree slope, shallow soils, weathered lava.

(D) Canopy: None.

(E) Subcanopy: *Broussaisia, Cheirodendron, Leptecophylla, Metrosideros.*

(F) Understory: Bryophytes, ferns, *Coprosma, Dubautia, Kadua, Peperomia.*

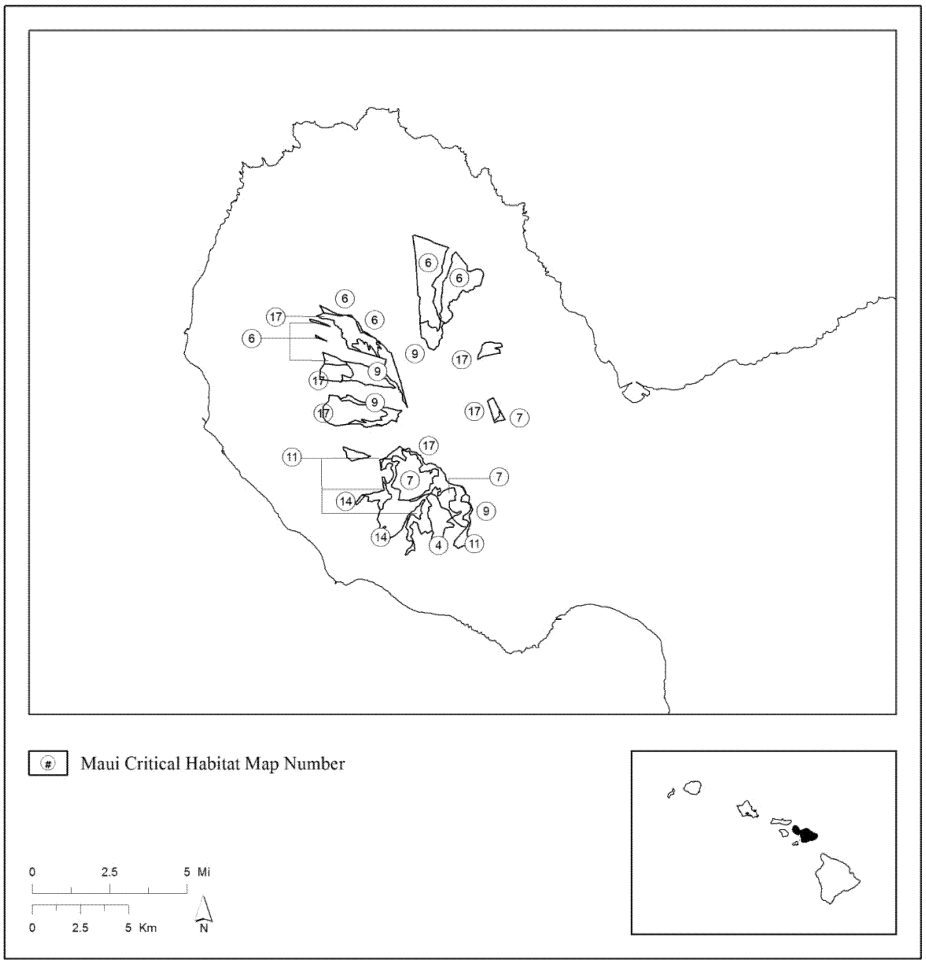
(3) Existing manmade features and structures, such as buildings, roads, railroads, airports, runways, other paved areas, lawns, and other urban landscaped areas, do not contain one or more of the physical or biological features. Federal actions limited to those areas, therefore, would not trigger a consultation under section 7 of the Act unless they may affect the species or physical or biological features in adjacent critical habitat.

(4) *Critical habitat maps.* Maps were created in GIS, with coordinates in UTM Zone 4, units in meters using North American datum of 1983 (NAD 83).

(5) Index maps of critical habitat units for the Akohekohe follow:

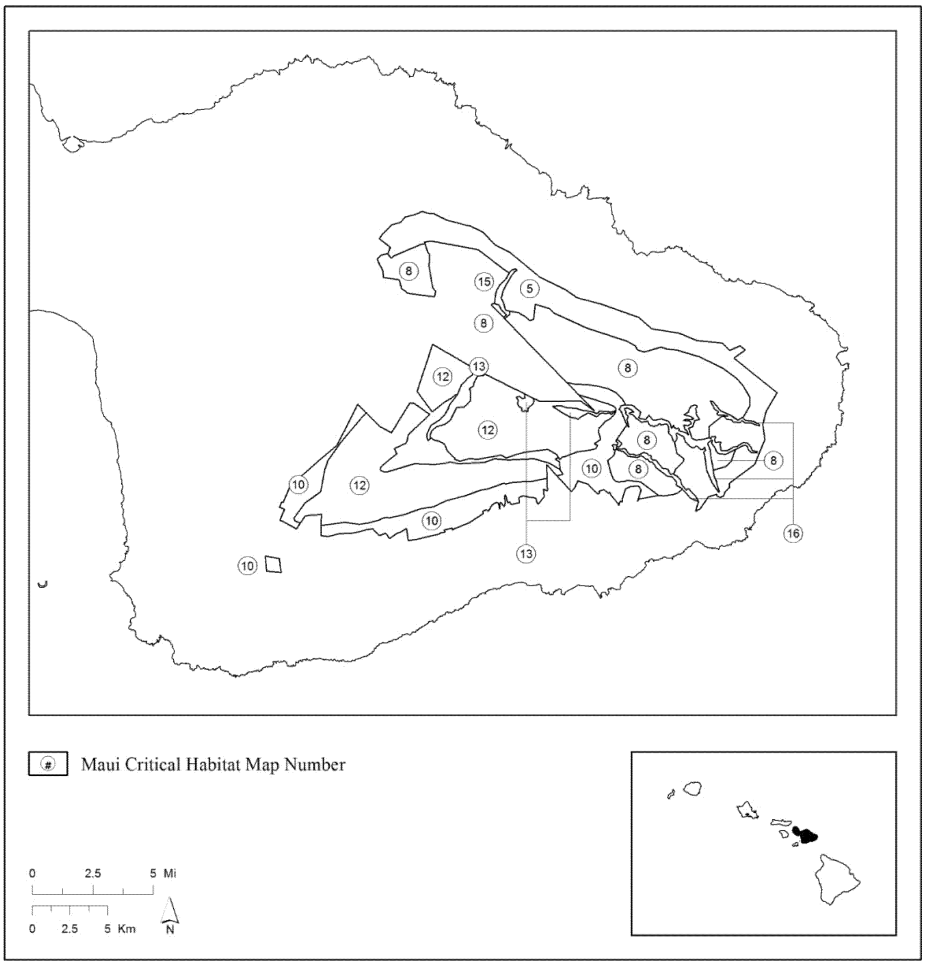
Map 1

***Palmeria dolei*—Index Map 1—West Maui**



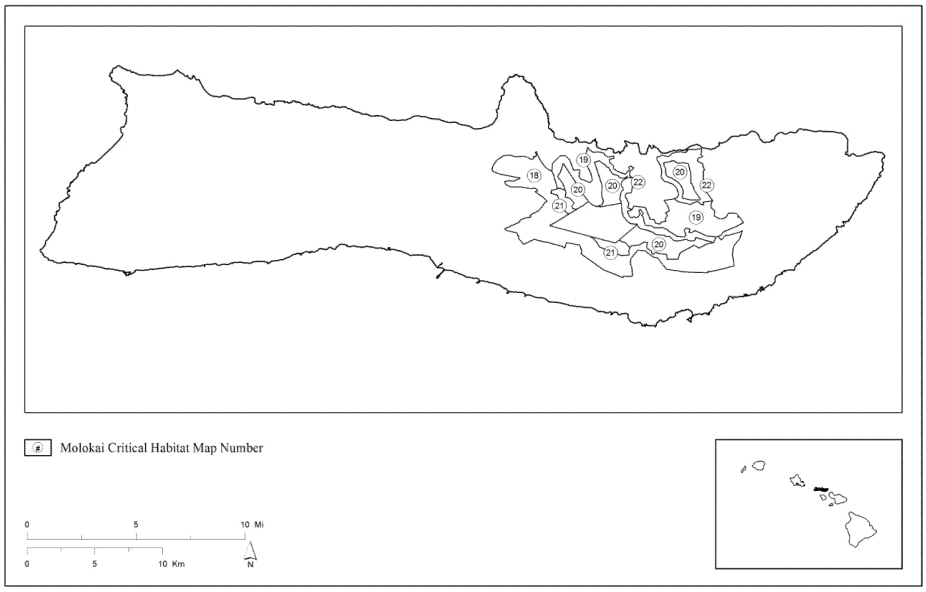
Map 2

Palmeria dolei—Index Map 2—East Maui



Map 3

***Palmeria dolei*—Index Map 3--Molokai**



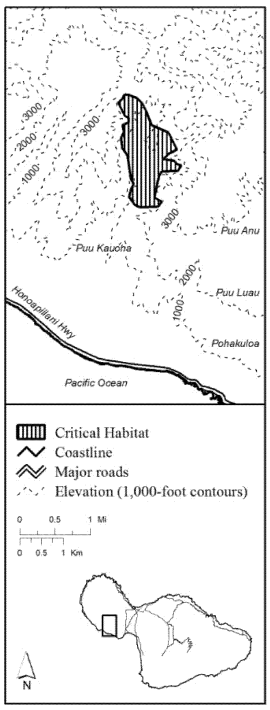
(6) *Palmeria dolei*—Unit 1—Lowland Mesic-Maui, Maui County, Hawaii (477 ac; 193 ha). This unit is critical habitat for the Akohekohe, *Palmeria dolei*. Map of *Palmeria dolei*—Unit 1—Lowland Mesic-Maui follows:

Map 4

Palmeria dolei

Unit 1

Lowland Mesic-Maui



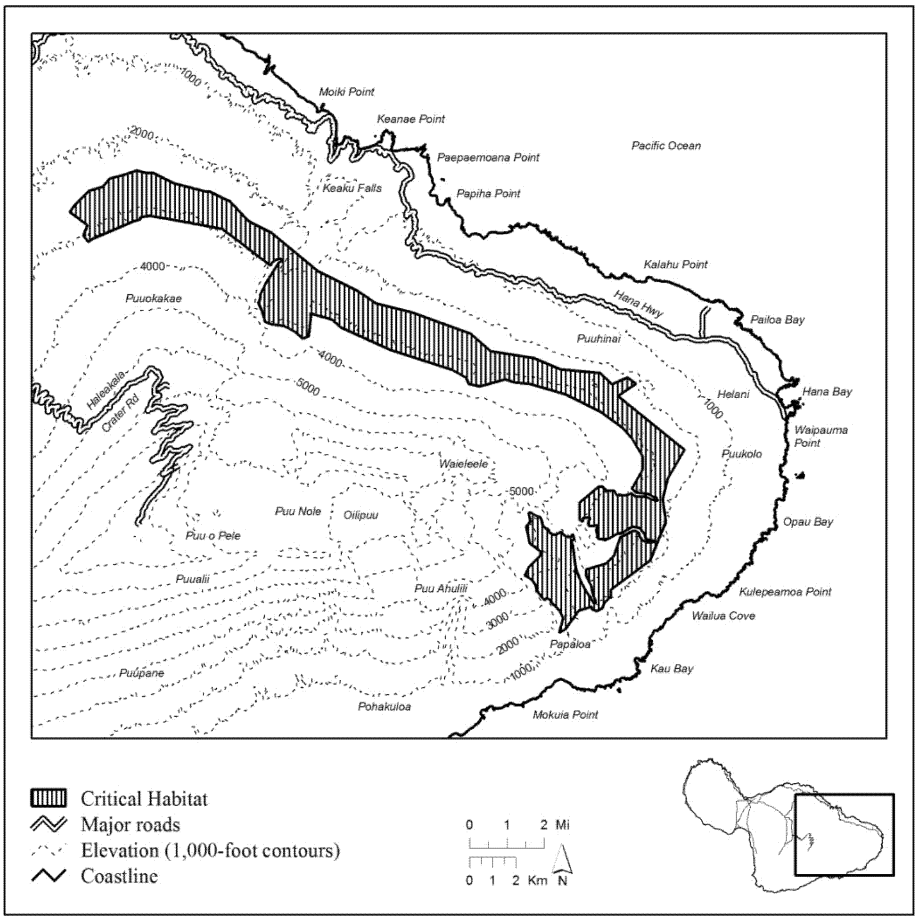
(7) *Palmeria dolei*—Unit 2—Lowland Wet-Maui, Maui County, Hawaii (16,079 ac, 6,507 ha). This unit is critical habitat for the Akohekohe, *Palmeria dolei*. Map of *Palmeria dolei*—Unit 2—Lowland Wet-Maui follows:

Map 5

Palmeria dolei

Unit 2

Lowland Mesic-Maui



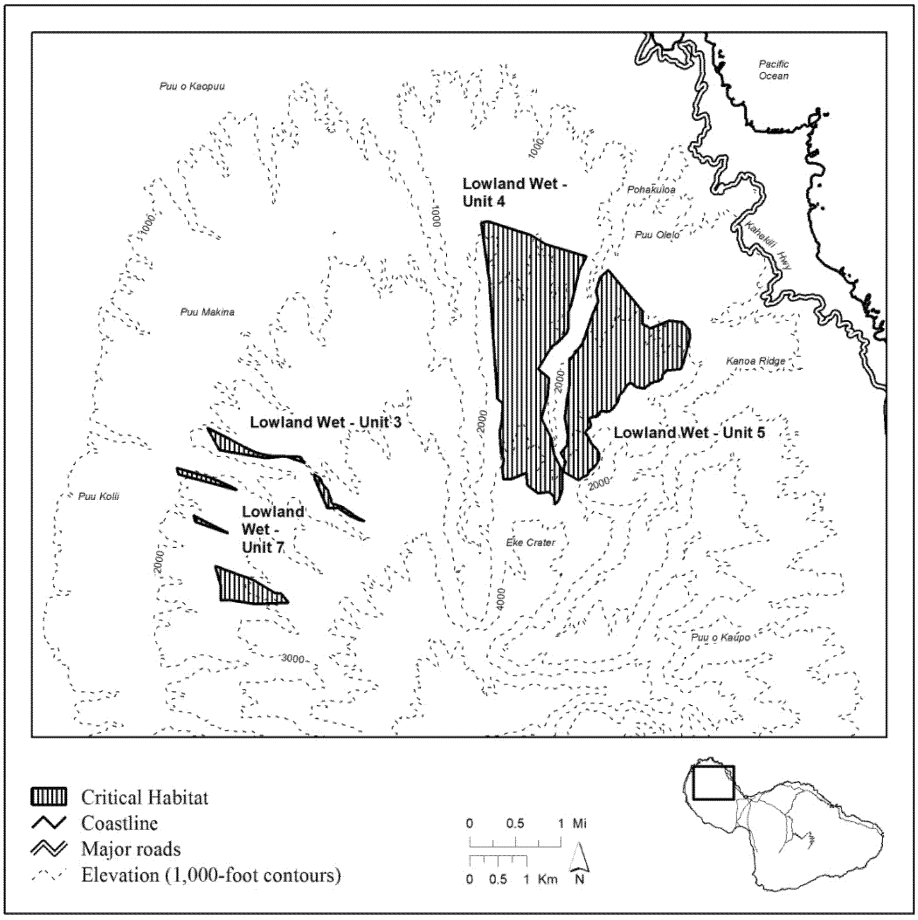
(8) *Palmeria dolei*—Unit 3—Lowland Wet-Maui, Maui County, Hawaii (65 ac, 26 ha); *Palmeria dolei*—Unit 4—Lowland Wet-Maui, Maui County, Hawaii (1,247 ac, 505 ha); *Palmeria dolei*—Unit 5—Lowland Wet-Maui, Maui County, Hawaii (864 ac, 350 ha); and *Palmeria dolei*—Unit 7—Lowland Wet-Maui, Maui County, Hawaii (136 ac, 55 ha). These units are critical habitat for the Akohekohe, *Palmeria dolei*. Map of *Palmeria dolei*—Unit 3—Lowland Wet-Maui, *Palmeria dolei*—Unit 4—Lowland Wet 4-Maui, *Palmeria dolei*—Unit 5–

–Lowland Wet-Maui, and *Palmeria dolei*—Unit 7—Lowland Wet-Maui follows:

Map 6

Palmeria dolei Unit 3, Unit 4, Unit 5, and Unit 7

Lowland Wet-Maui



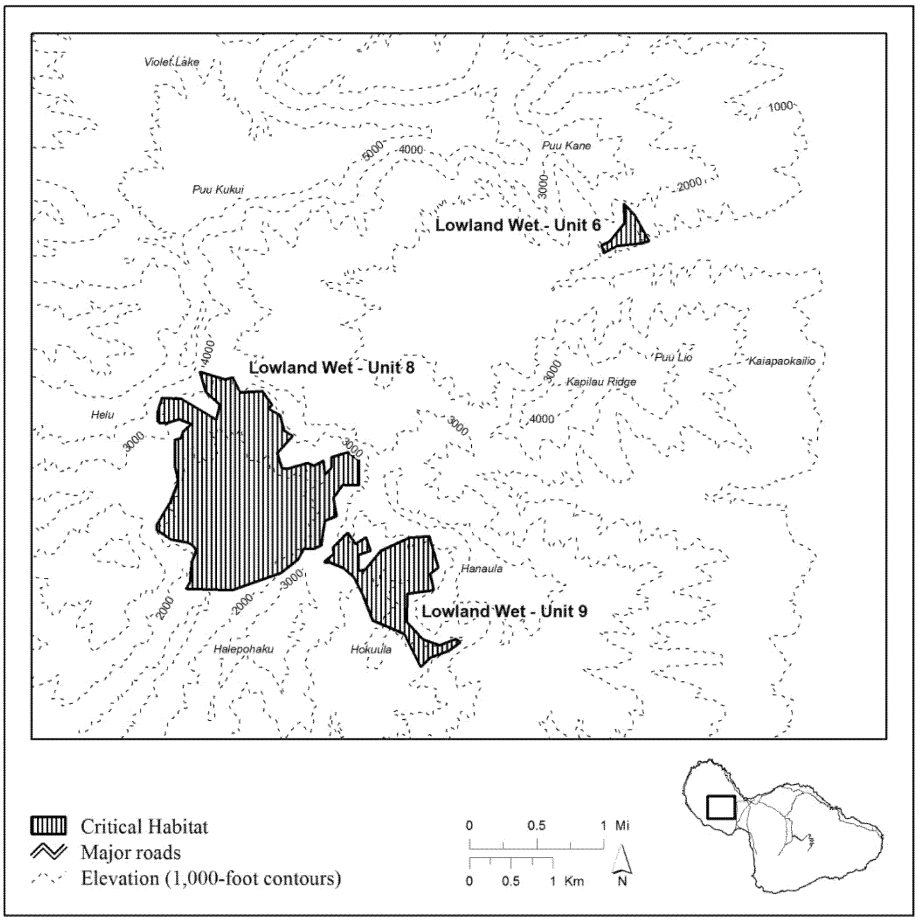
(9) *Palmeria dolei*—Unit 6—Lowland Wet-Maui, Maui County, Hawaii (30 ac, 12 ha); *Palmeria dolei*—Unit 8—Lowland Wet-Maui, Maui County, Hawaii (898 ac, 364 ha); and *Palmeria dolei*—Unit 9—Lowland Wet-Maui, Maui County, Hawaii (230 ac, 93 ha). These units are critical habitat for the Akohekohe, *Palmeria dolei*. Map of *Palmeria dolei*—Unit 6––Lowland Wet-Maui, *Palmeria dolei*—Unit 8—Lowland Wet-Maui, and *Palmeria dolei*—Unit 9—Lowland Wet-Maui follows:

Map 7

Palmeria dolei

Unit 6, Unit 8, and Unit 9

Lowland Wet-Maui



(10) *Palmeria dolei*—Unit 10—Montane Wet-Maui, Maui County, Hawaii (2,110 ac, 854 ha); *Palmeria dolei*—Unit 11—Montane Wet-Maui, Maui County, Hawaii (14,583 ac, 5,901 ha); *Palmeria dolei*—Unit 12—Montane Wet-Maui, Maui County, Hawaii (2,228 ac, 902 ha); *Palmeria dolei*—Unit 13—Montane Wet-Maui, Maui County, Hawaii (1,833 ac, 742 ha); and *Palmeria dolei*—Unit 14—Montane Wet-Maui, Maui County, Hawaii (387 ac, 156 ha). These units are critical habitat for the Akohekohe, *Palmeria dolei*. Map of *Palmeria dolei*—Unit 10–

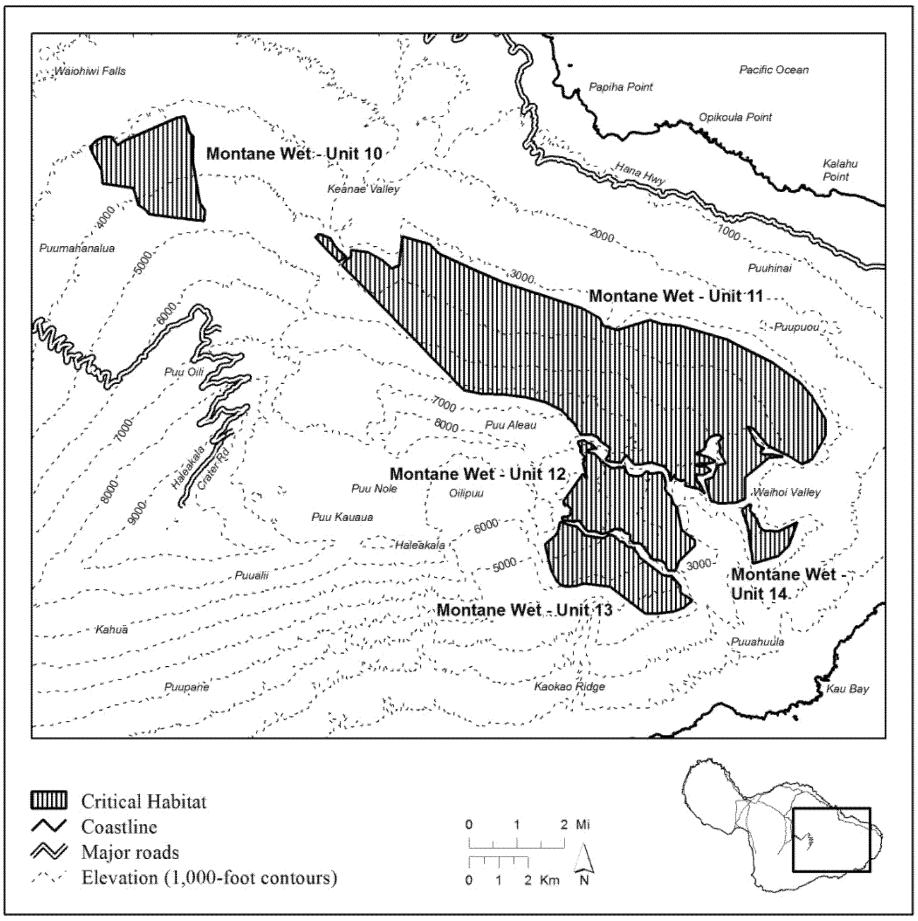
–Montane Wet-Maui, *Palmeria dolei*—Unit 11–
–Montane Wet-Maui, *Palmeria dolei*—Unit 12–
–Montane Wet-Maui, *Palmeria dolei*—Unit 13–
–Montane Wet-Maui, and *Palmeria dolei*—Unit 14—Montane Wet-Maui follows:

Map 8

Palmeria dolei

Unit 10, Unit 11, Unit 12, Unit 13, and Unit 14

Montane Wet-Maui



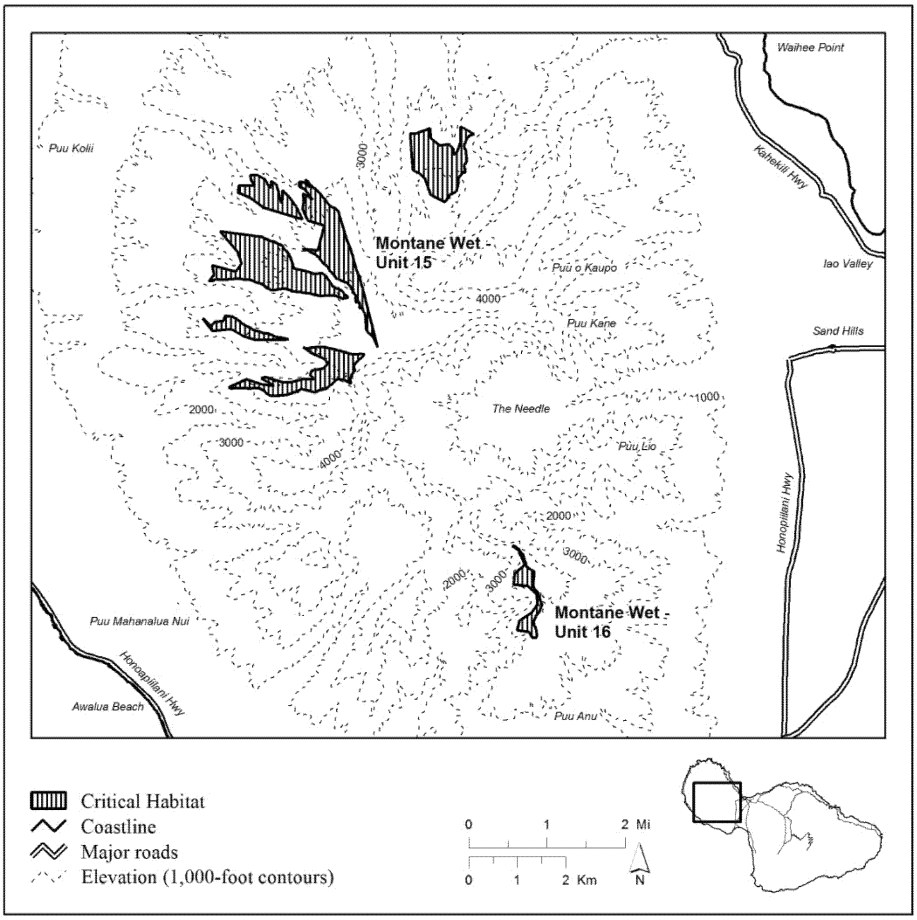
(11) *Palmeria dolei*—Unit 15—Montaine Wet-Maui, Maui County, Hawaii (1,399 ac, 566 ha), and *Palmeria dolei*—Unit 16—Montane Wet-Maui, Maui County, Hawaii (80 ac, 32 ha). These units are critical habitat for the Akohekohe, *Palmeria dolei*. Map of *Palmeria dolei*—Unit 15—Montane Wet-Maui, and *Palmeria dolei*—Unit 16—Montane Wet-Maui follows:

Map 9

Palmeria dolei

Unit 15 and Unit 16

Montane Wet-Maui



(12) [Reserved]

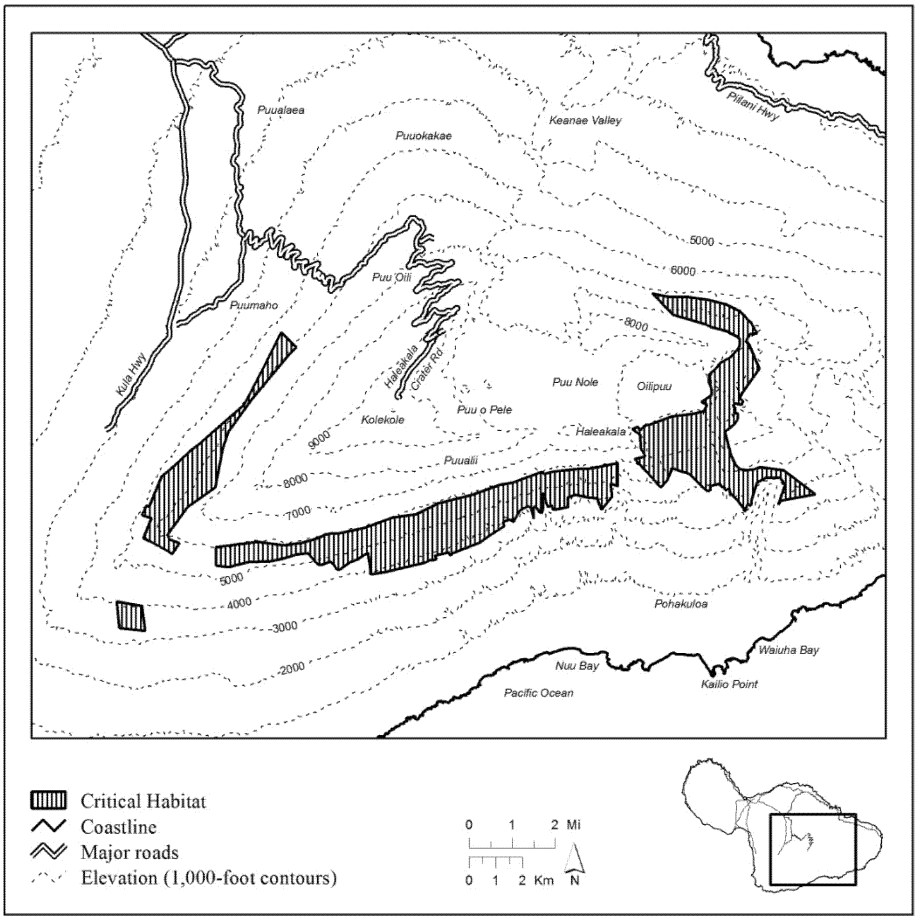
(13) *Palmeria dolei*—Unit 18—Montane Mesic-Maui, Maui County, Hawaii (10,972 ac, 4,440 ha). This unit is critical habitat for the Akohekohe, *Palmeria dolei*. Map of *Palmeria dolei*—Unit 18—Montane Mesic-Maui follows:

Map 10

Palmeria dolei

Unit 18

Montane Mesic-Maui



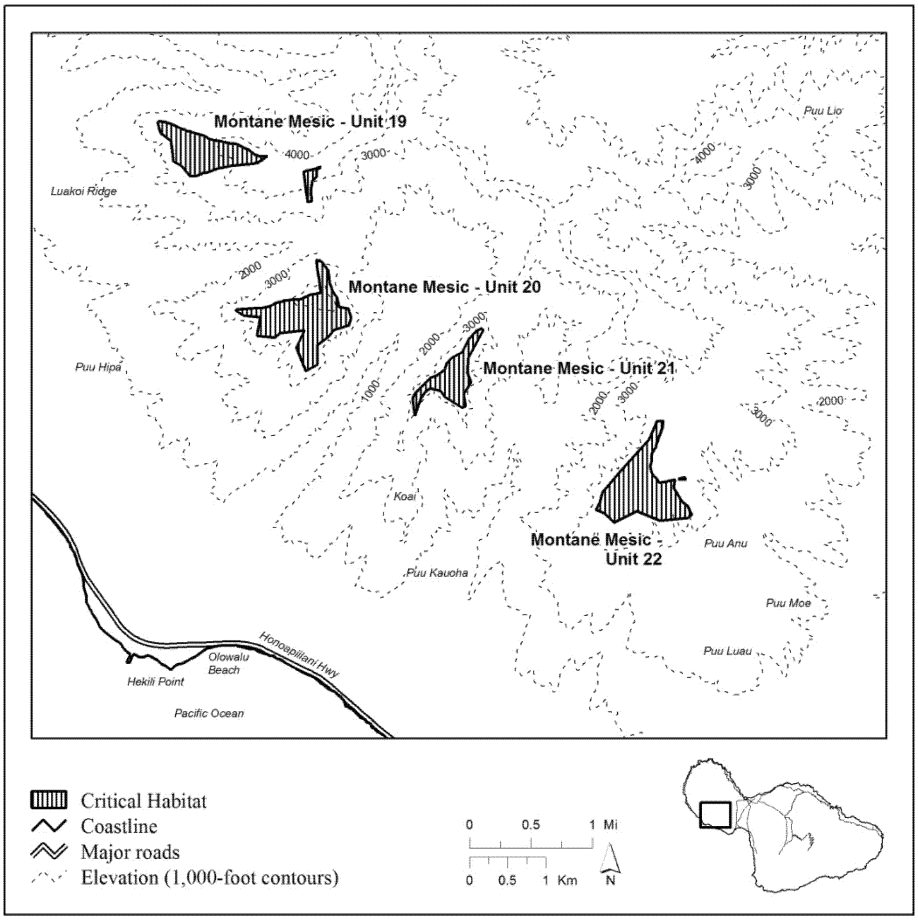
(14) *Palmeria dolei*—Unit 19—Montane Mesic-Maui, Maui County, Hawaii (124 ac, 50 ha); *Palmeria dolei*—Unit 20—Montane Mesic-Maui, Maui County, Hawaii (174 ac, 70 ha); *Palmeria dolei*—Unit 21—Montane Mesic-Maui, Maui County, Hawaii (72 ac, 29 ha); and *Palmeria dolei*—Unit 22—Montane Mesic-Maui, Maui County, Hawaii (170 ac, 69 ha). These units are critical habitat for the Akohekohe, *Palmeria dolei*. Map of *Palmeria dolei*—Unit 19—Montane Mesic-Maui, *Palmeria dolei*—Unit 20—Montane Mesic-Maui, *Palmeria dolei*—Unit 21—Montane Mesic-Maui, and *Palmeria dolei*—Unit 22—Montane Mesic-Maui follows:

Map 11

Palmeria dolei

Unit 19, Unit 20, Unit 21, and Unit 22

Montane Mesic-Maui



(15) [Reserved]

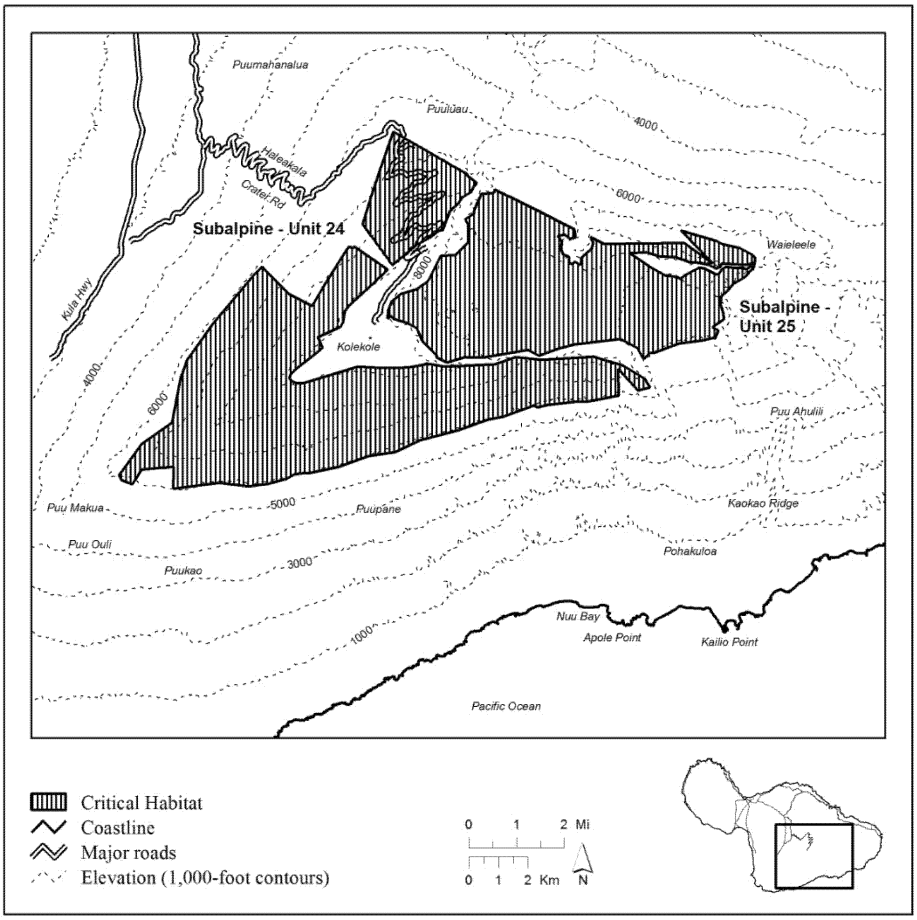
(16) *Palmeria dolei*—Unit 24—Subalpine-Maui, Maui County, Hawaii (15,975 ac, 6,465 ha), and *Palmeria dolei*—Unit 25—Subalpine-Maui, Maui County, Hawaii (9,886 ac, 4,001 ha). These units are critical habitat for the Akohekohe, *Palmeria dolei*. Map of *Palmeria dolei*—Unit 24—Subalpine-Maui and *Palmeria dolei*—Unit 25—Subalpine-Maui follows:

Map 12

Palmeria dolei

Unit 24 and Unit 25

Subalpine-Maui



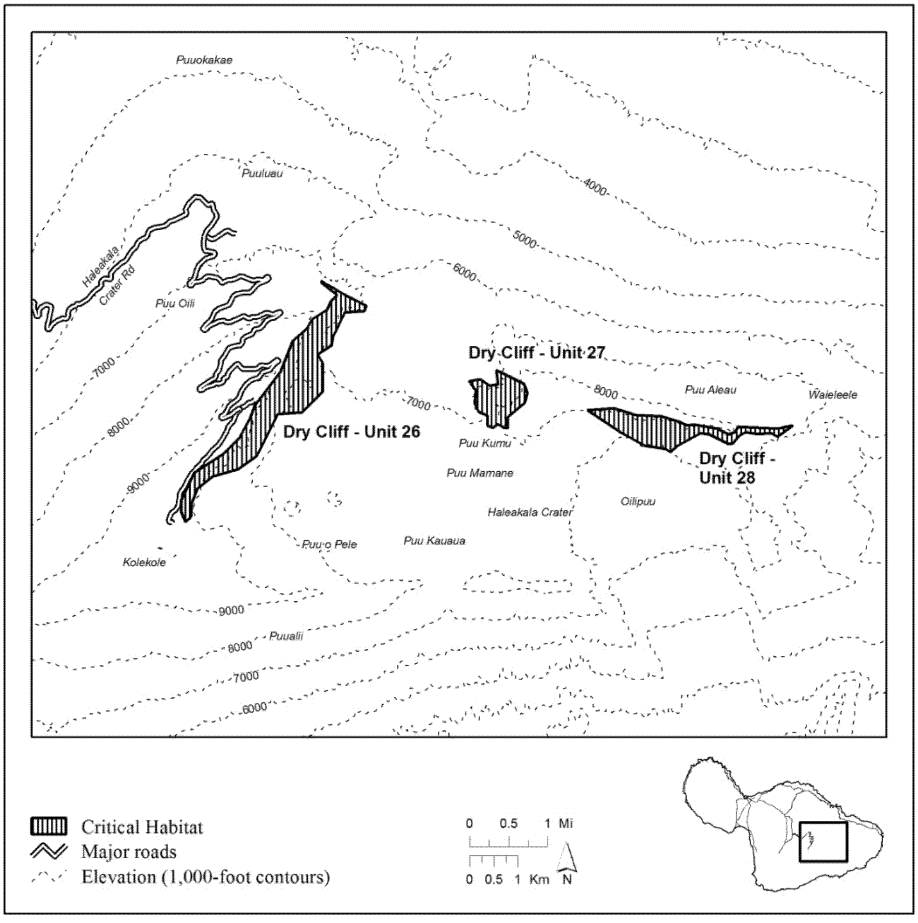
(17) *Palmeria dolei*—Unit 26—Dry Cliff-Maui, Maui County, Hawaii (755 ac, 305 ha); *Palmeria dolei*—Unit 27—Dry Cliff-Maui, Maui County, Hawaii (200 ac, 81 ha); and *Palmeria dolei*—Unit 28—Dry Cliff-Maui, Maui County, Hawaii (315 ac, 127 ha). These units are critical habitat for the Akohekohe, *Palmeria dolei*. Map of *Palmeria dolei*—Unit 26—Dry Cliff-Maui, *Palmeria dolei*—Unit 27—Dry Cliff-Maui, and *Palmeria dolei*—Unit 28—Dry Cliff-Maui follows:

Map 13

Palmeria dolei

Unit 26, Unit 27, and Unit 28

Dry Cliff-Maui



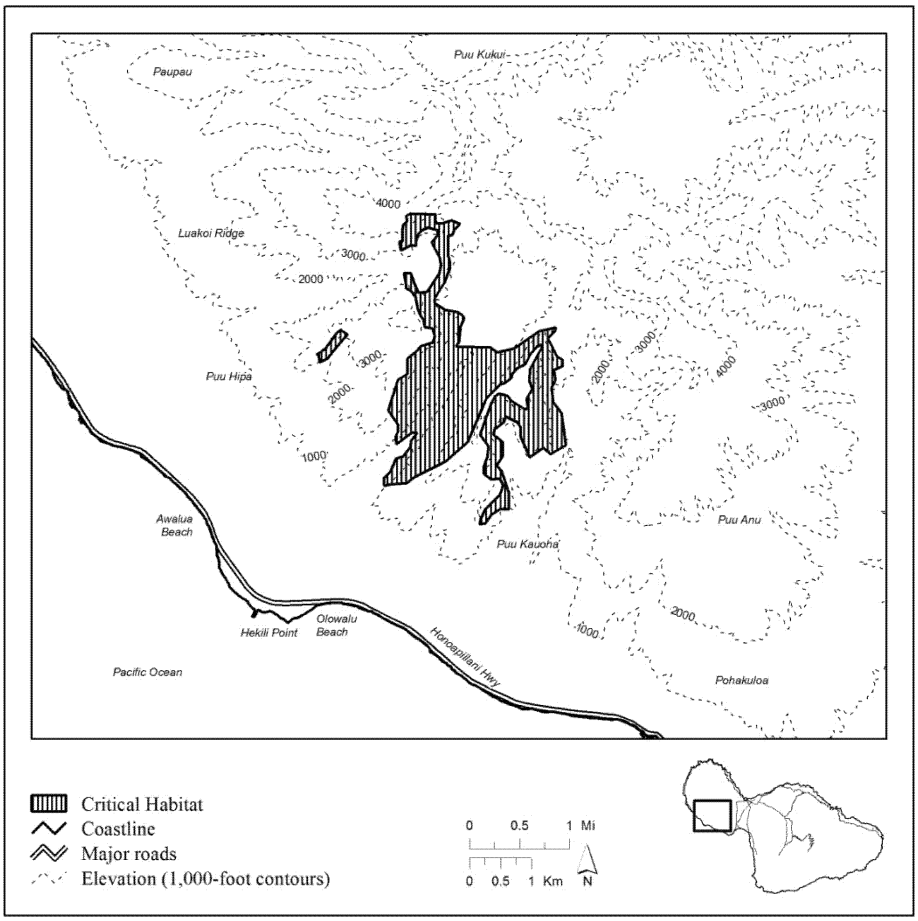
(18) *Palmeria dolei*—Unit 29—Dry Cliff-Maui, Maui County, Hawaii (1,298 ac, 525 ha). This unit is critical habitat for the Akohekohe, *Palmeria dolei*. Map of *Palmeria dolei*—Unit 29––Dry Cliff-Maui follows:

Map 14

Palmeria dolei

Unit 29

Dry Cliff-Maui



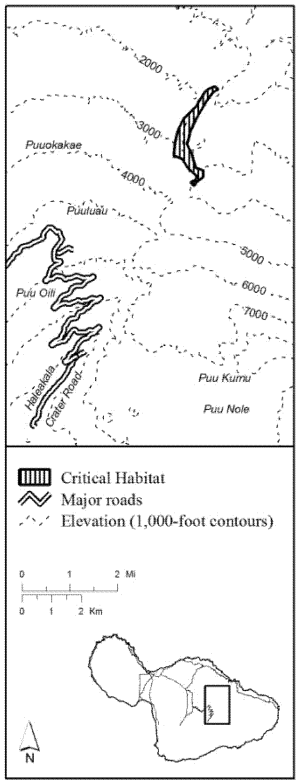
(19) *Palmeria dolei*—Unit 30—Wet Cliff-Maui, Maui County, Hawaii (290 ac, 117 ha). This unit is critical habitat for the Akohekohe, *Palmeria dolei*. Map of *Palmeria dolei*—Unit 30—Wet Cliff-Maui follows:

Map 15

Palmeria dolei

Unit 30

Wet Cliff-Maui



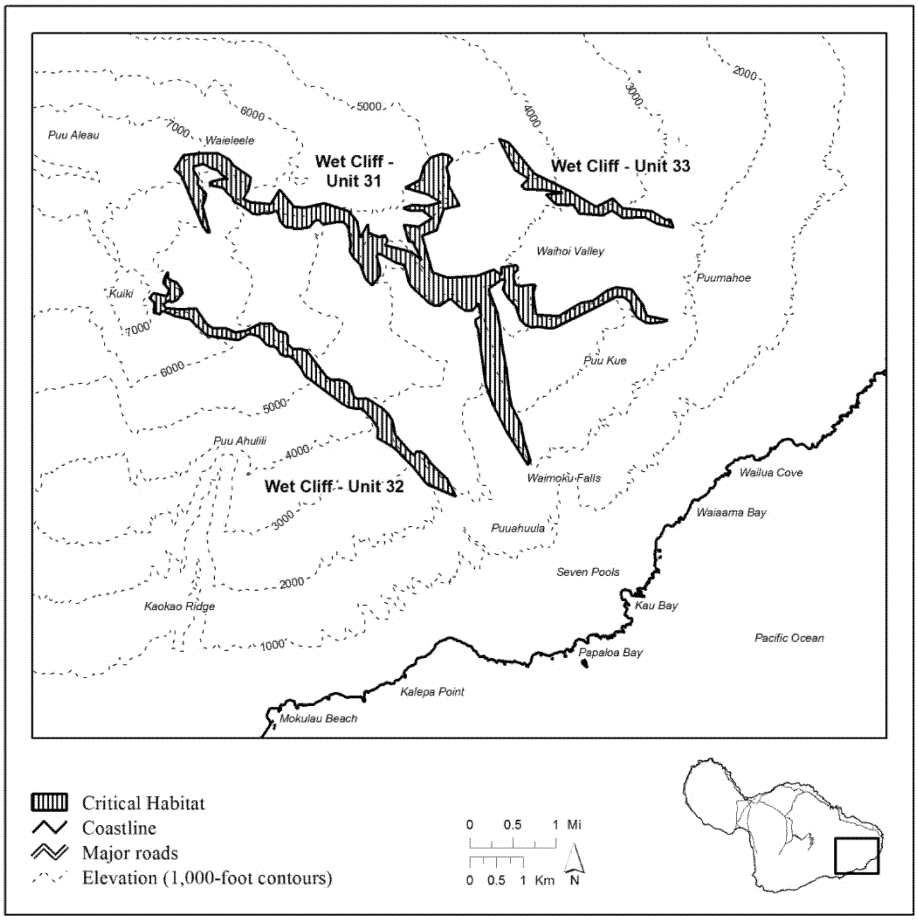
(20) *Palmeria dolei*—Unit 31—Wet Cliff-Maui, Maui County, Hawaii (1,407 ac, 569 ha); *Palmeria dolei*—Unit 32—Wet Cliff-Maui, Maui County, Hawaii (438 ac, 177 ha); and *Palmeria dolei*—Unit 33—Wet Cliff-Maui, Maui County, Hawaii (184 ac, 75 ha). These units are critical habitat for the Akohekohe, *Palmeria dolei*. Map of *Palmeria dolei*—Unit 31—Wet Cliff-Maui, *Palmeria dolei*—Unit 32—Wet Cliff-Maui, and *Palmeria dolei*—Unit 33—Wet Cliff-Maui follows:

Map 16

Palmeria dolei

Unit 31, Unit 32, and Unit 33

Wet Cliff-Maui



(21) [Reserved]

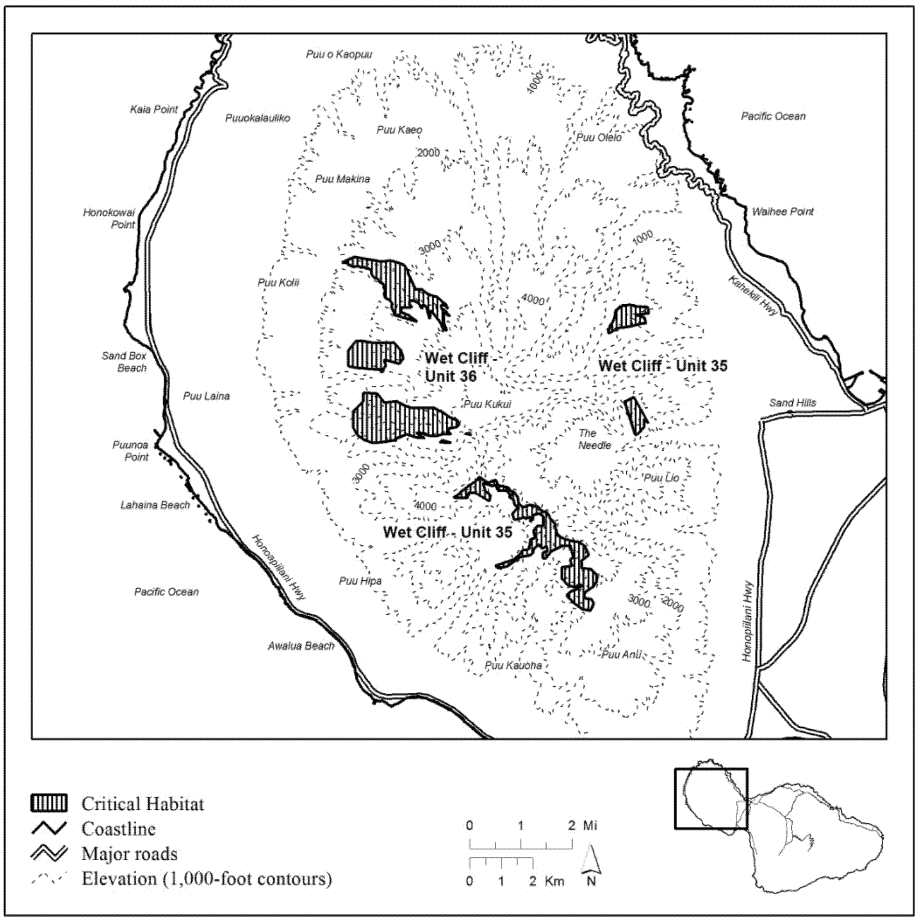
(22) *Palmeria dolei*—Unit 35—Wet Cliff-Maui, Maui County, Hawaii (2,110 ac, 854 ha), and *Palmeria dolei*—Unit 36—Wet Cliff-Maui, Maui County, Hawaii (556 ac, 225 ha). These units are critical habitat for the Akohekohe, *Palmeria dolei*. Map of *Palmeria dolei*—Unit 35—Wet Cliff-Maui, and *Palmeria dolei*—Unit 36—Wet Cliff-Maui follows:

Map 17

Palmeria dolei

Unit 35 and Unit 26

Wet Cliff-Maui



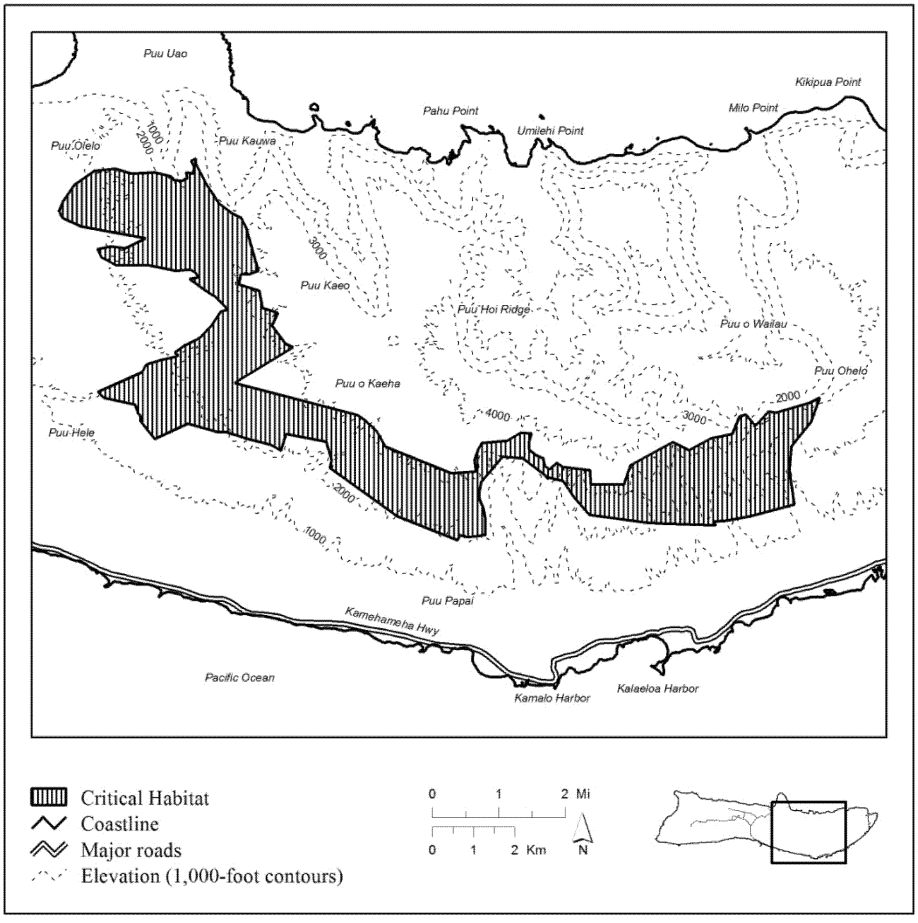
(23) *Palmeria dolei*—Unit 37—Lowland Mesic-Molokai, Maui County, Hawaii (8,770 ac, 3,549 ha). This unit is critical habitat for the Akohekohe, *Palmeria dolei*. Map of *Palmeria dolei*—Unit 37—Lowland Mesic-Molokai follows:

Map 18

Palmeria dolei

Unit 37

Lowland Mesic-Molokai



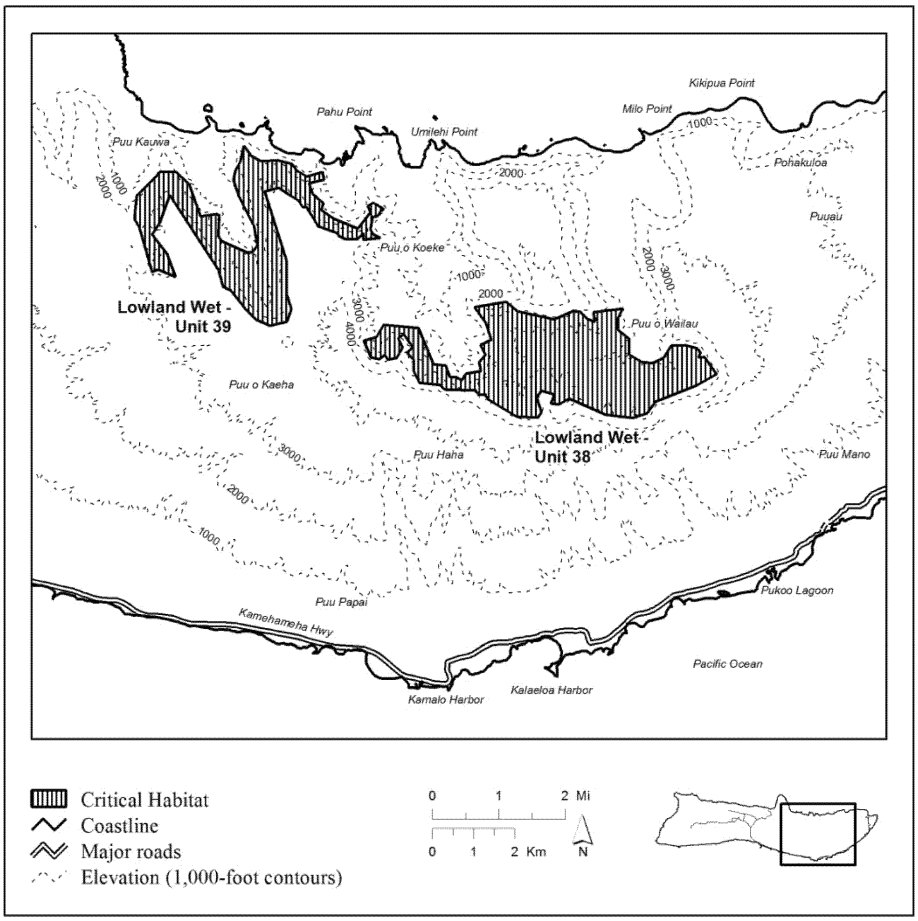
(24) *Palmeria dolei*—Unit 38—Lowland Wet-Molokai, Maui County, Hawaii (2,949 ac, 1,193 ha), and *Palmeria dolei*—Unit 39—Lowland Wet-Molokai, Maui County, Hawaii (1,950 ac, 789 ha). These units are critical habitat for the Akohekohe, *Palmeria dolei*. Map of *Palmeria dolei*—Unit 38—Lowland Wet-Molokai and *Palmeria dolei*—Unit 39—Lowland Wet-Molokai follows:

Map 19

Palmeria dolei

Unit 38 and Unit 39

Lowland Wet-Molokai



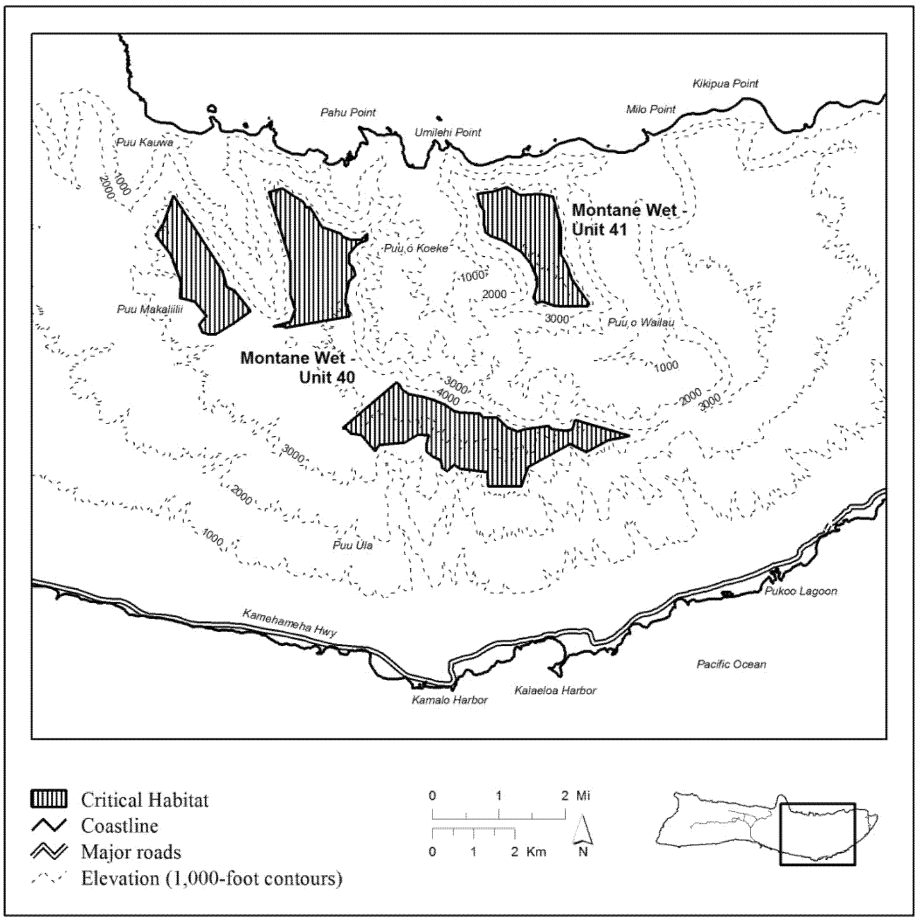
(25) *Palmeria dolei*—Unit 40—Montane Wet-Molokai, Maui County, Hawaii (3,397 ac, 1,375 ha), and *Palmeria dolei*—Unit 41—Montane Wet-Molokai, Maui County, Hawaii (910 ac, 368 ha). These units are critical habitat for the Akohekohe, *Palmeria dolei*. Map of *Palmeria dolei*—Unit 40—Montane Wet-Molokai and *Palmeria dolei*—Unit 41—Montane Wet-Molokai follows:

Map 20

Palmeria dolei

Unit 40 and Unit 41

Montane Wet-Molokai



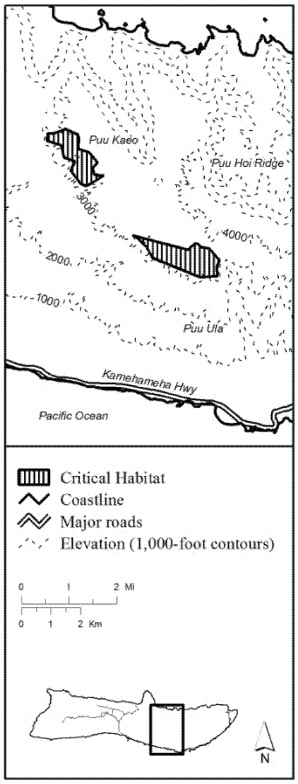
(26) *Palmeria dolei*—Unit 42—Montane Mesic-Molokai, Maui County, Hawaii (816 ac, 330 ha). This unit is critical habitat for the Akohekohe, *Palmeria dolei*. Map of *Palmeria dolei*—Unit 42—Montane Mesic-Molokai follows:

Map 21

Palmeria dolei

Unit 42

Montane Mesic-Molokai



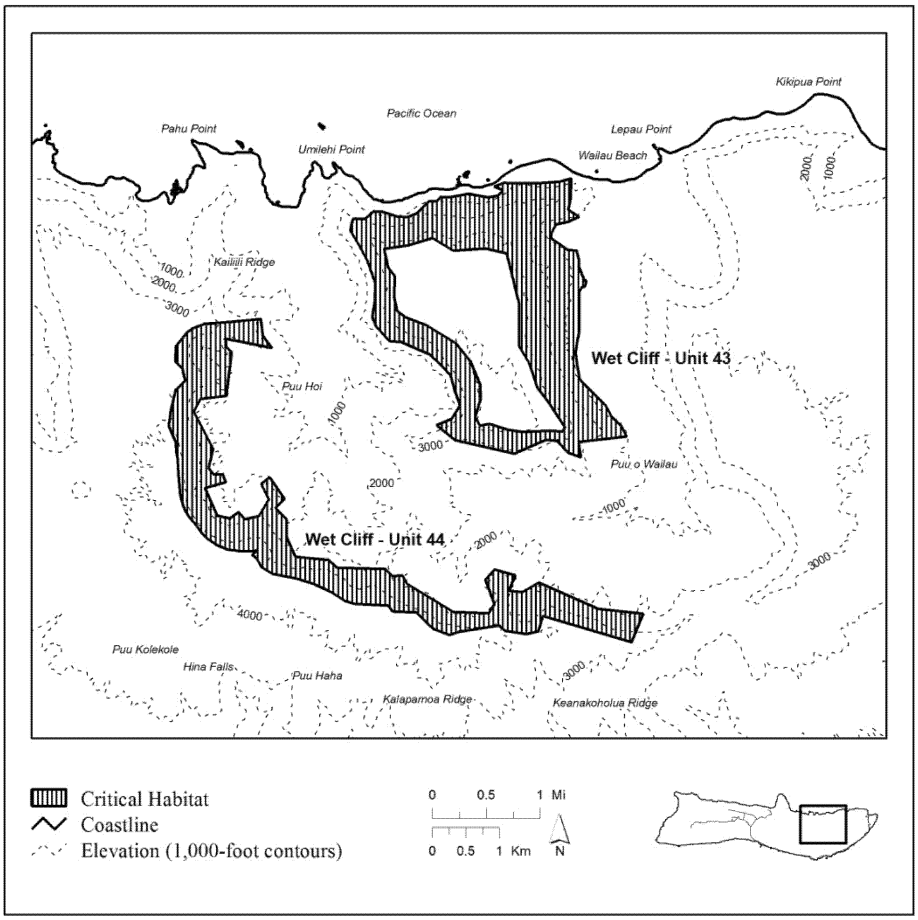
(27) *Palmeria dolei*—Unit 43—Wet Cliff-Molokai, Maui County, Hawaii (1,607 ac, 651 ha), and *Palmeria dolei*—Unit 44—Wet Cliff-Molokai, Maui County, Hawaii (1,268 ac, 513 ha). These units are critical habitat for the Akohekohe, *Palmeria dolei*. Map of *Palmeria dolei*—Unit 43—Wet Cliff-Molokai and *Palmeria dolei*—Unit 44—Wet Cliff-Molokai follows:

Map 22

Palmeria dolei

Unit 43 and Unit 44

Wet Cliff-Molokai



GUAM MICRONESIAN KINGFISHER (*Halcyon cinnamomina cinnamomina*)

(1) The critical habitat unit for the Guam Micronesian kingfisher is depicted for the Territory of Guam on the maps below.

(2) The primary constituent elements required by the Guam Micronesian kingfisher for the biological needs of foraging, sheltering, roosting, nesting, and rearing of

young are found in areas that support limestone, secondary, ravine, swamp, agricultural, and coastal forests composed of native and introduced plant species. These forest types include the primary constituent elements of:

(i) Closed canopy and well-developed understory vegetation; large (approximately 43 cm (17 in) diameter at breast height), standing dead trees (especially *Tristiropsis obtusangula* (faniok), *Pisonia grandis* (umumu), *Artocarpus* spp. (breadfruit), *Ficus* spp. (fig), and *Cocos nucifera* (coconut palm)); mud nests of *Nasutitermes* spp. termites; and root masses of epiphytic ferns for breeding;

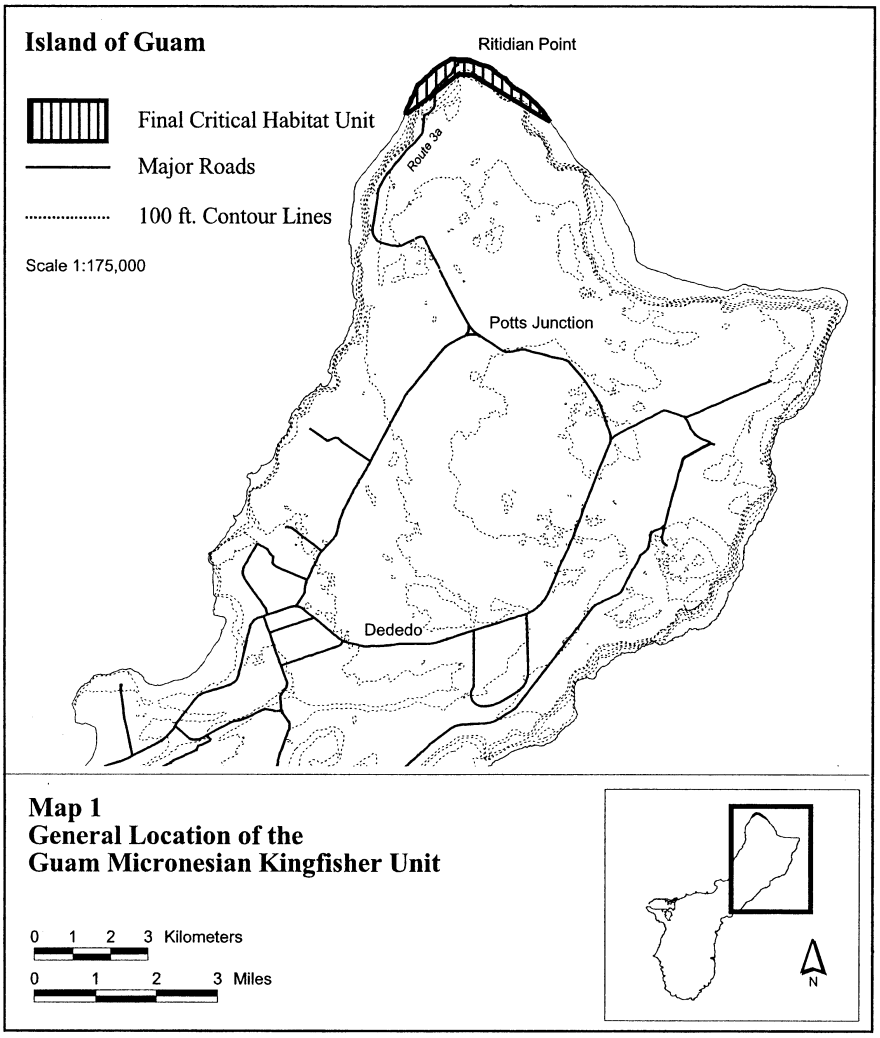
(ii) Sufficiently diverse structure to provide exposed perches and ground surfaces, leaf litter, and other substrates that support a wide range of vertebrate and invertebrate prey species for foraging kingfishers; and

(iii) Sufficient overall breeding and foraging area to support kingfisher territories of approximately 25 ac (10 ha) each.

(3) Critical habitat does not include existing features and structures within the boundaries of the mapped units, such as buildings, roads, aqueducts, antennas, water tanks, agricultural fields, paved areas, lawns, and other urban landscaped areas not containing one or more of the primary constituent elements.

(4) The critical habitat unit is described below. Coordinates are in UTM Zone 55 with units in meters using North American Datum of 1983 (NAD83) / World Geodetic System 1984 (WGS 84).

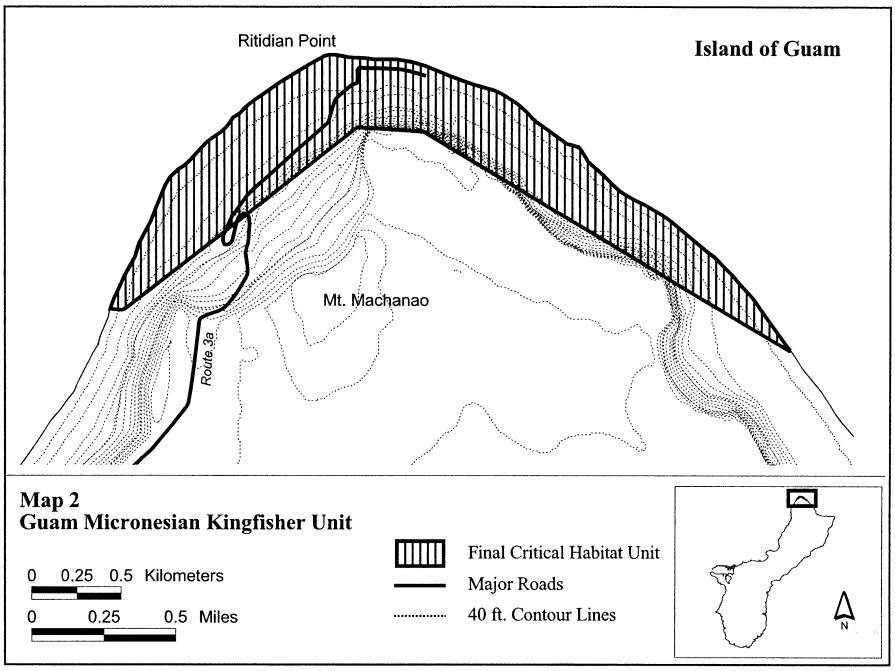
(i) Note: Map 1—General Location of the Guam Micronesian Kingfisher Unit—follows:



(ii) Guam, Guam Micronesian kingfisher (376 ac; 152 ha):

(A) [Reserved]

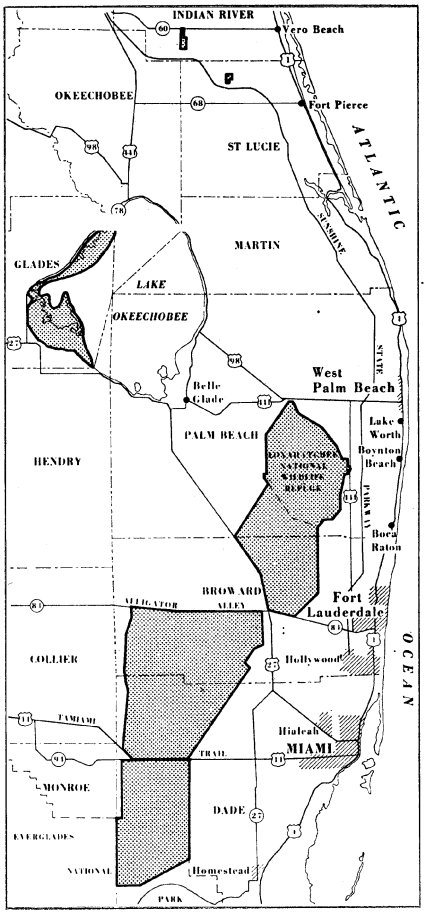
(B) Map 2 showing Guam Micronesian Kingfisher Unit follows:



EVERGLADE SNAIL KITE (*Rostrhamus sociabilis plumbeus*)

Florida. Areas of land (predominantly marsh), water, and airspace, with the following components (Tallahassee Meridian): (1) St. Johns Reservoir, Indian River County: T33S R37E SW¼ Sec. 6, W½ Sec. 7, Sec. 18, Sec. 19; (2) Cloud Lake Reservoir, St. Lucie County; T34S R38E S½ Sec. 16, N½ Sec. 21; (3) Strazzulla Reservoir, St. Lucie County: T34S R38E SW¼ Sec. 21; (4) western parts of Lake Okeechobee, Glades and Hendry Counties, extending along the western shore to the east of the levee system and the undiked high ground at Fisheating Creek, and from the Hurricane Gate at Clewiston northward to the mouth of the Kissimmee River, including all the *Eleocharis* flats of Moonshine Bay, Monkey Box, and Observation Shoal, but excluding the open water north and west of the northern tip of Observation Shoal, north of Monkey Box, and east of Fisheating Bay; (5) Loxahatchee National Wildlife Refuge (Central and Southern Florida Flood Control District Water Conservation Area 1), Palm Beach County, including Refuge Management Compartments A, B, C, and D, and all of the main portion of the Refuge as bounded by Levees L–7, L–39, and L–40; (6) Central and Southern Florida Flood Control District Water Conservation Area 2A, Palm Beach and Broward Counties, as bounded by Levees L–6, L–35B, L–36, L–38, and L–39; (7) Central and Southern Florida Flood Control District Water Conservation Area 2B, Broward County, as bounded by Levees L–35, L–35B, L–36, and L–38; (8) Central and Southern Florida Flood Control District Water Conservation Area 3A, Broward and Dade Counties, as bounded by Florida Highway 84. Levees L–68A, L–67A (north of Miami Canal), L–67C (south of Miami Canal). L–29, and L–28, and a line along the undiked northerwestern portion of the Area; (9) that portion of Everglades National Park, Dade County, within the following boundary: Beginning at the point where the Park boundary meets Florida Highway 94 in T54S R35E Sec. 20, thence eastward and southwest along the Park boundary to the southwest corner of Sec. 31 in T7S R37E, thence southwestward along a straight line to the southwest corner of Sec. 2 in T58S R35E, thence westward along the south sides of Sec. 3, 4, 5, and 6 in T58S R35E to the Dade-Monroe county line, thence northward along the Dade-Monroe county line to the Park boundary, thence eastward and northward along the Park boundary to the point of beginning.

NOTE: The map provided is for informational purposes only. Map follows:



STREAKED HORNED LARK (*Eremophila alpestris strigata*)

(1) Critical habitat units are depicted for Grays Harbor, Pacific, and Wahkiakum Counties in Washington, and Clatsop, Columbia, Marion, Polk, and Benton Counties in Oregon, on the maps below.

(2) Within these areas, the primary constituent elements of the physical or biological features essential to the conservation of the streaked horned lark consist of areas having a minimum of 16 percent bare ground that have sparse, low-stature vegetation composed primarily of grasses and forbs less than 13 inches (33 centimeters) in height found in:

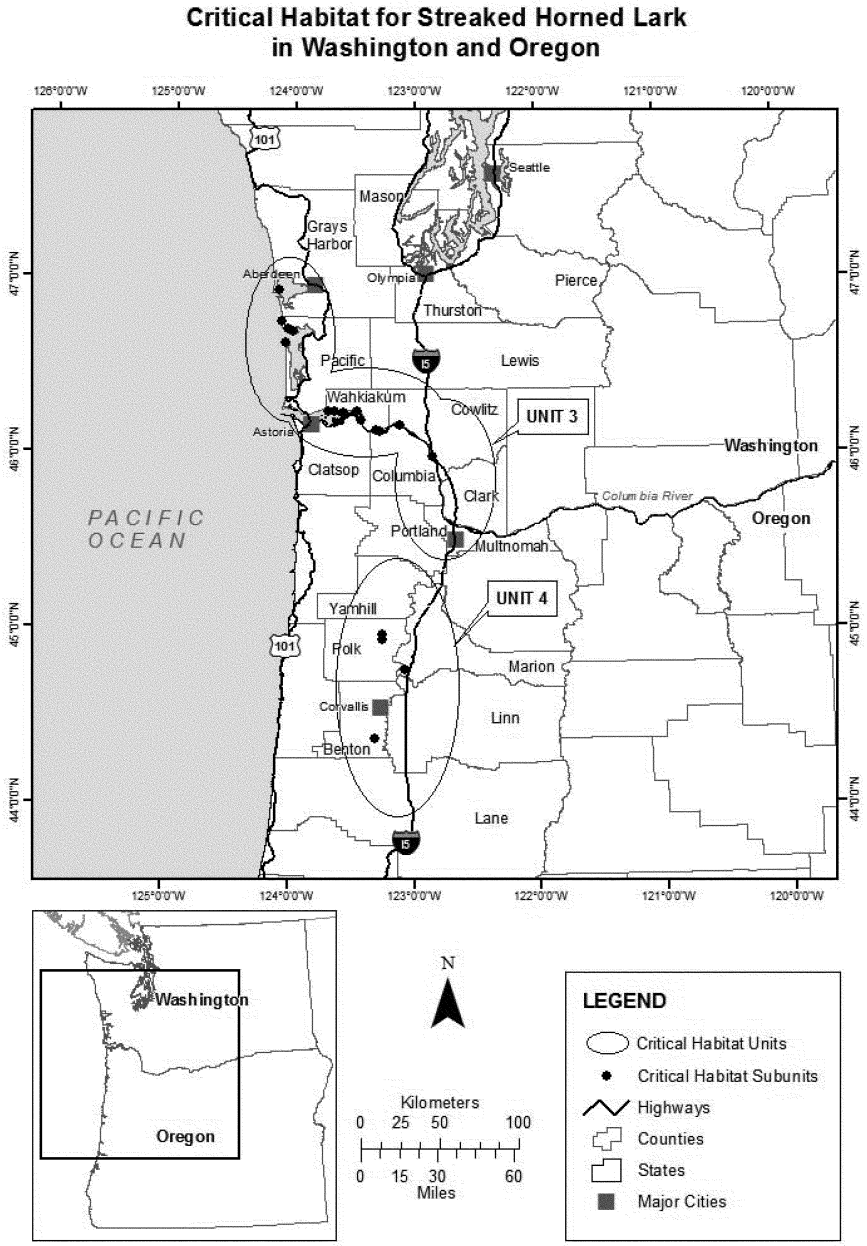
(i) Large (300-acre (120-hectare)), flat (0–5 percent slope) areas within a landscape context that provides visual access to open areas such as open water or fields; or

(ii) Areas smaller than described in paragraph (2)(i) of this entry, but that provide visual access to open areas such as open water or fields.

(3) Critical habitat does not include manmade structures (such as buildings, aqueducts, runways, roads, and other paved areas) and the land on which they are located existing within the legal boundaries on November 4, 2013.

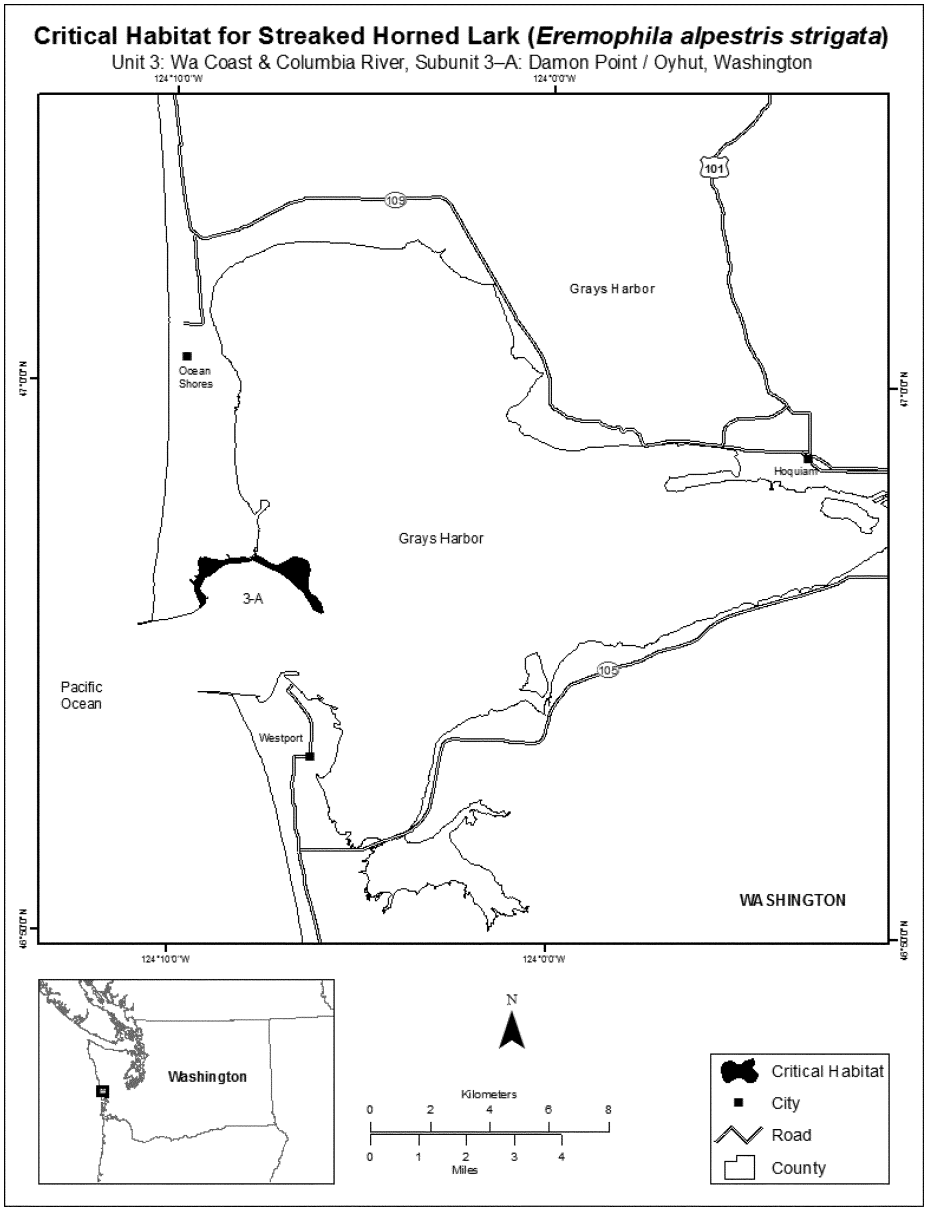
(4) *Critical habitat map units.* Data layers defining map units were created on 2010 aerial photography from U.S. Department of Agriculture, National Agriculture Imagery Program base maps using ArcMap (Environmental Systems Research Institute, Inc.), a computer geographic information system (GIS) program. The maps in this entry, as modified by any accompanying regulatory text, establish the boundaries of the critical habitat designation. The coordinates or plot points or both on which each map is based are available to the public at the Service's Internet site (*http://www.fws.gov/wafwo*), at *http://www.regulations.gov* at Docket No. FWS–R1–ES–2013–0009, and by appointment at the Service's Washington Fish and Wildlife Office. You may obtain field office location information by contacting one of the Service regional offices, the addresses of which are listed at 50 CFR 2.2.

(5) Index map of critical habitat units for the streaked horned lark follows:

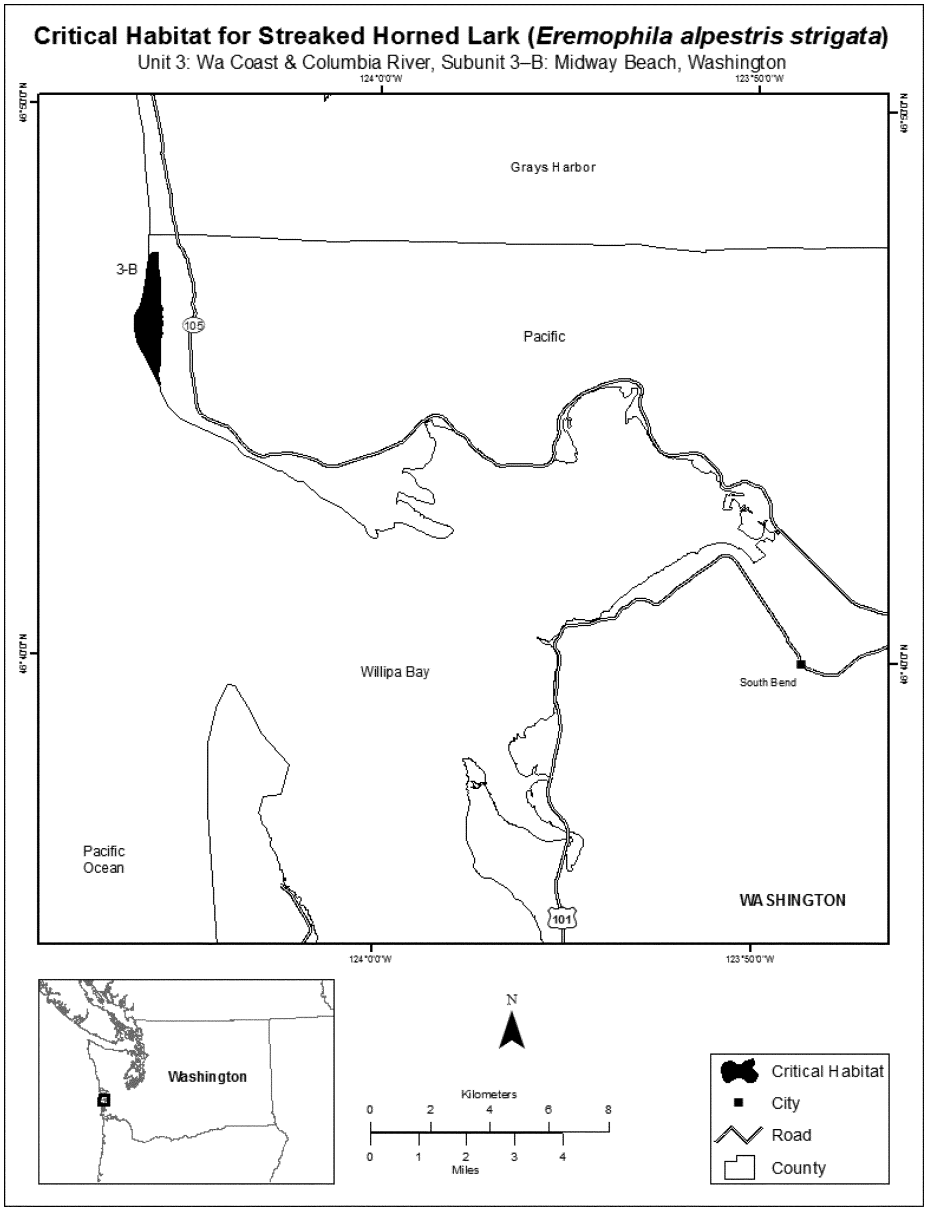


(6) Unit 3—Washington Coast and Columbia River Islands, Washington and Oregon.

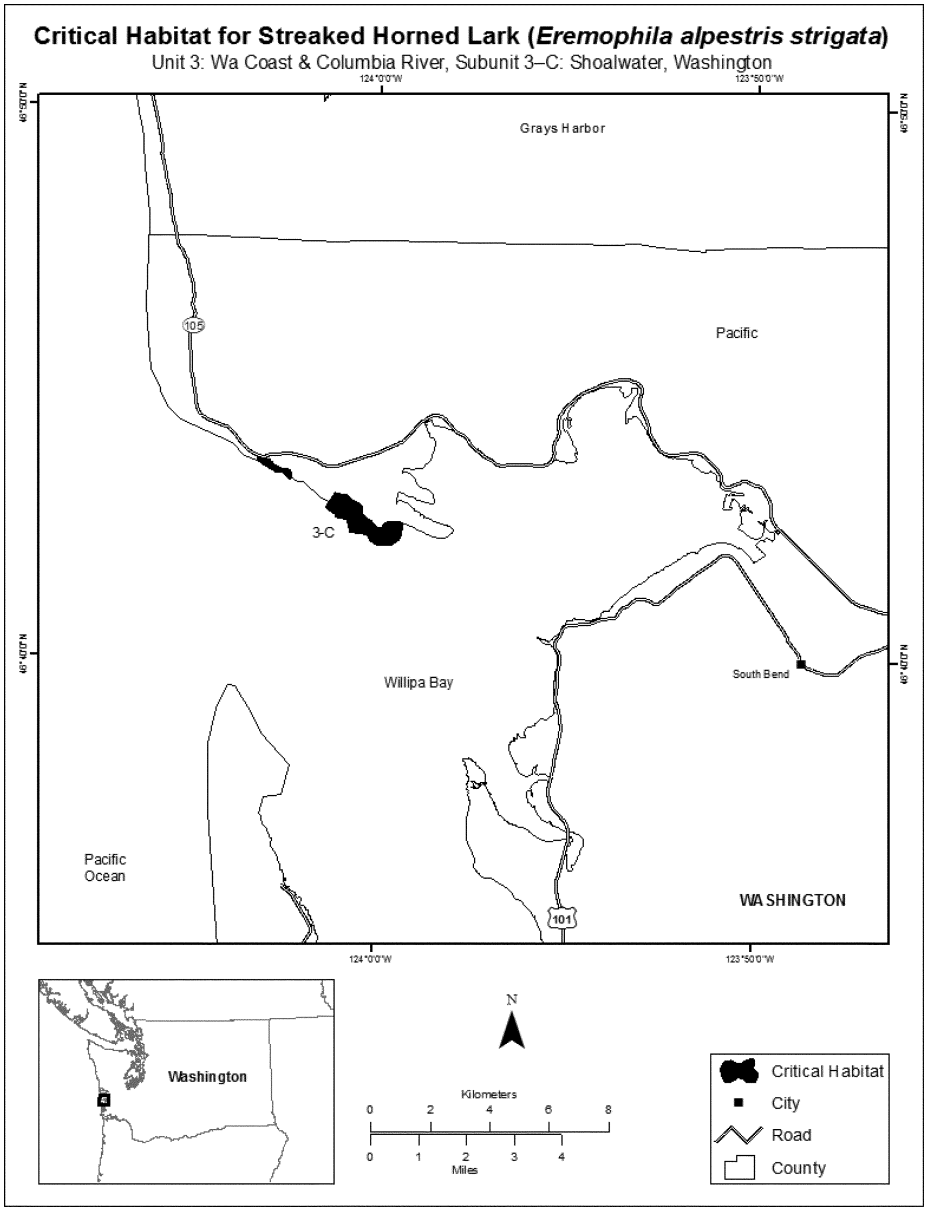
(i) Subunit 3–A: Damon Point/Oyhut, Washington. Map of Subunit 3–A follows:



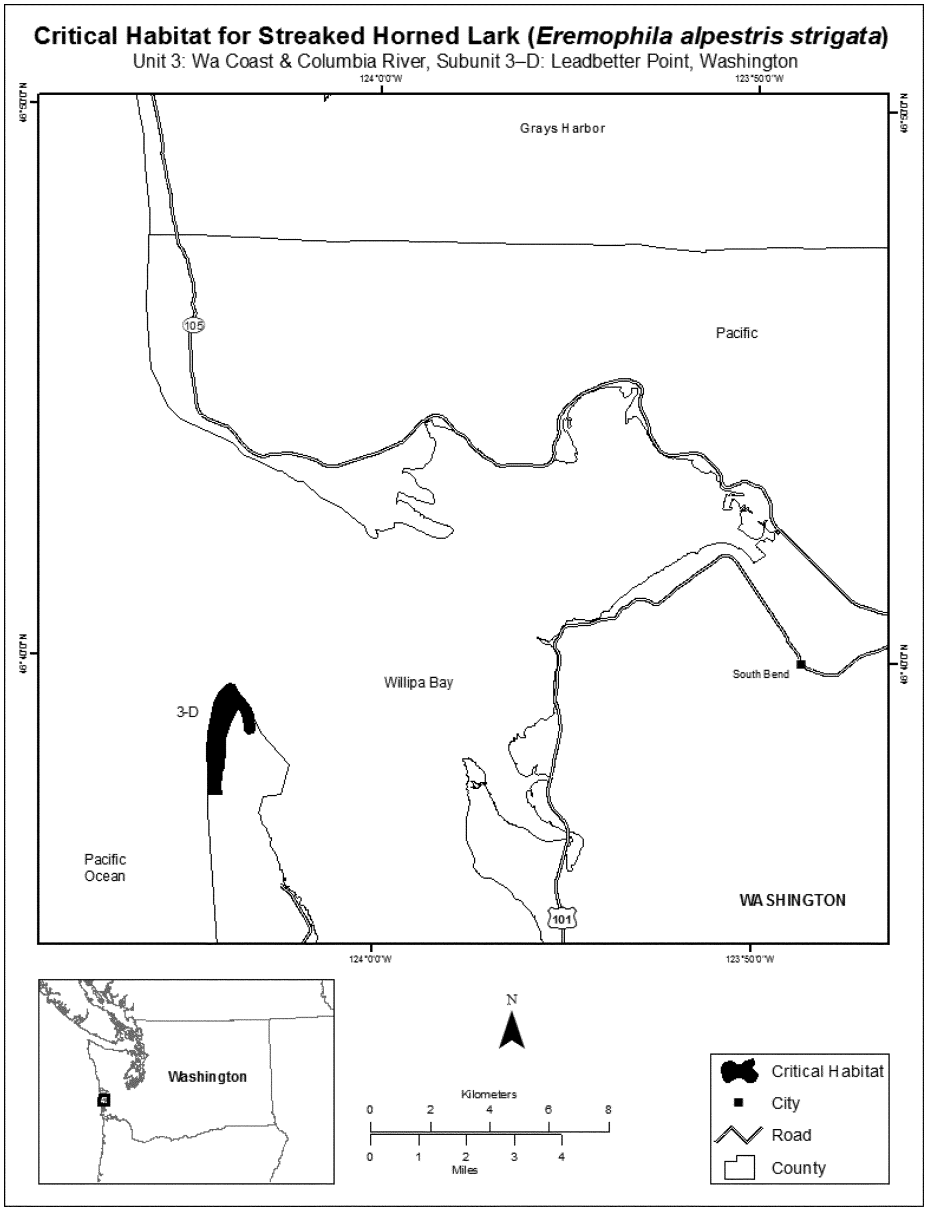
(ii) Subunit 3–B: Midway Beach, Washington. Map of Subunit 3–B follows:



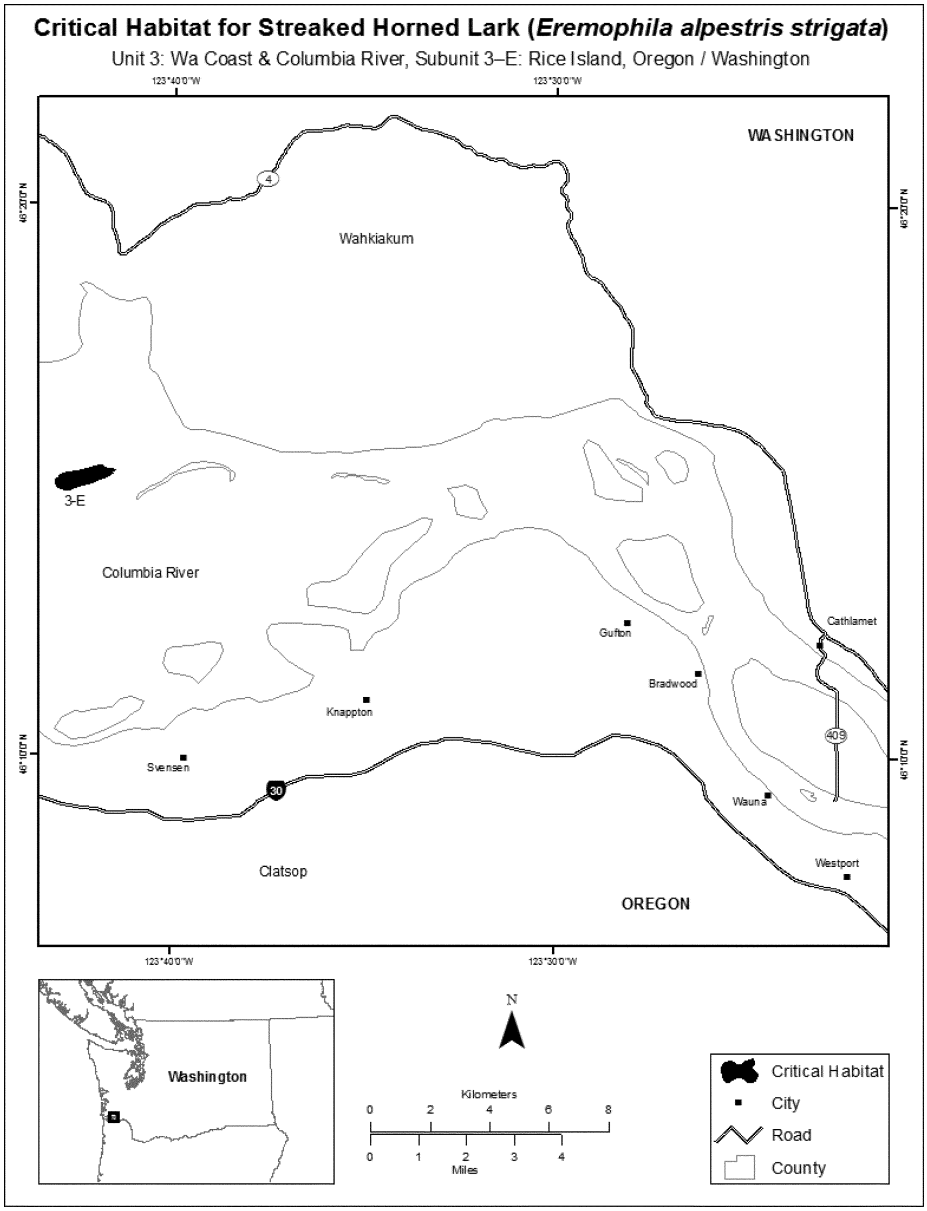
(iii) Subunit 3–C: Shoalwater, Washington.
Map of Subunit 3–C follows:



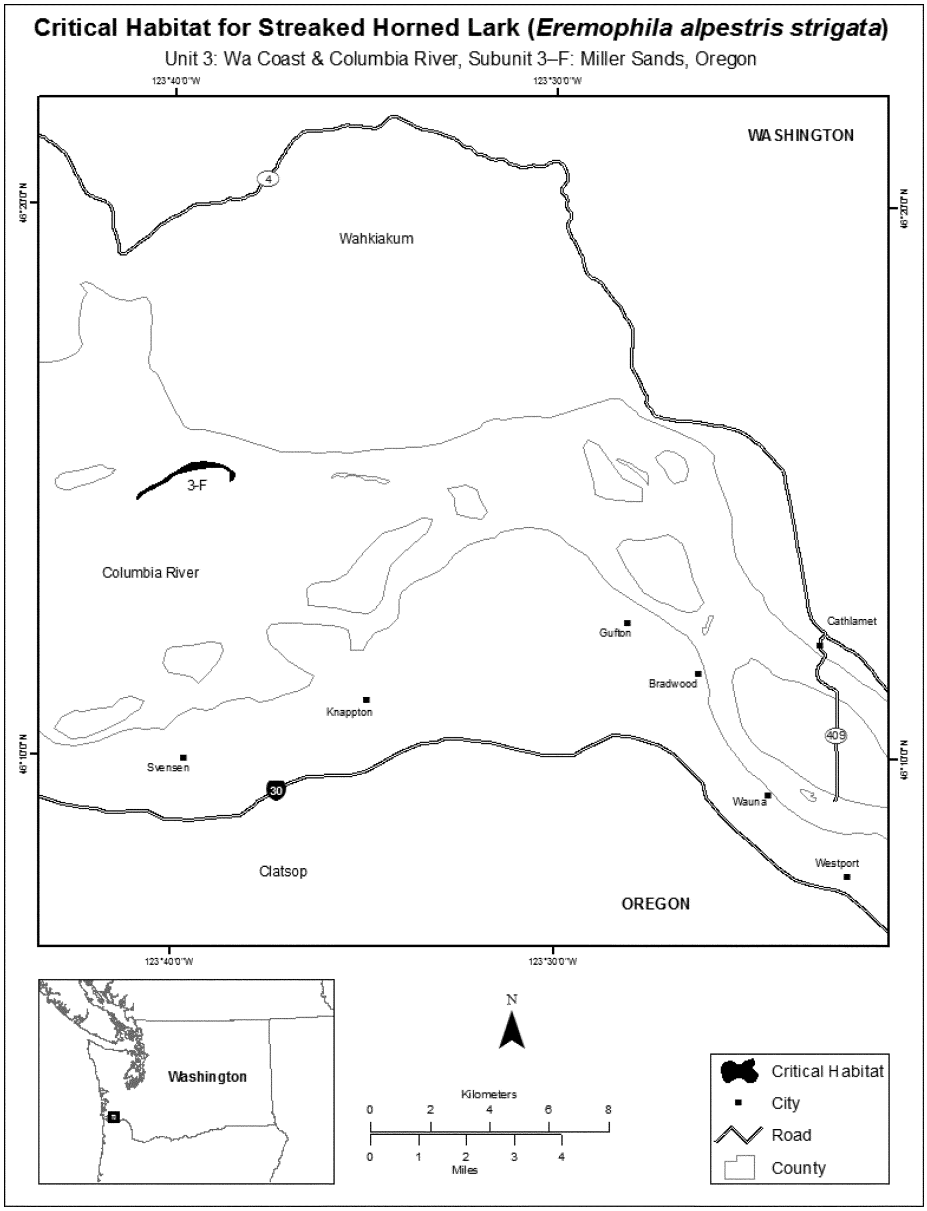
(iv) Subunit 3–D: Leadbetter Point, Washington. Map of Subunit 3–D follows:



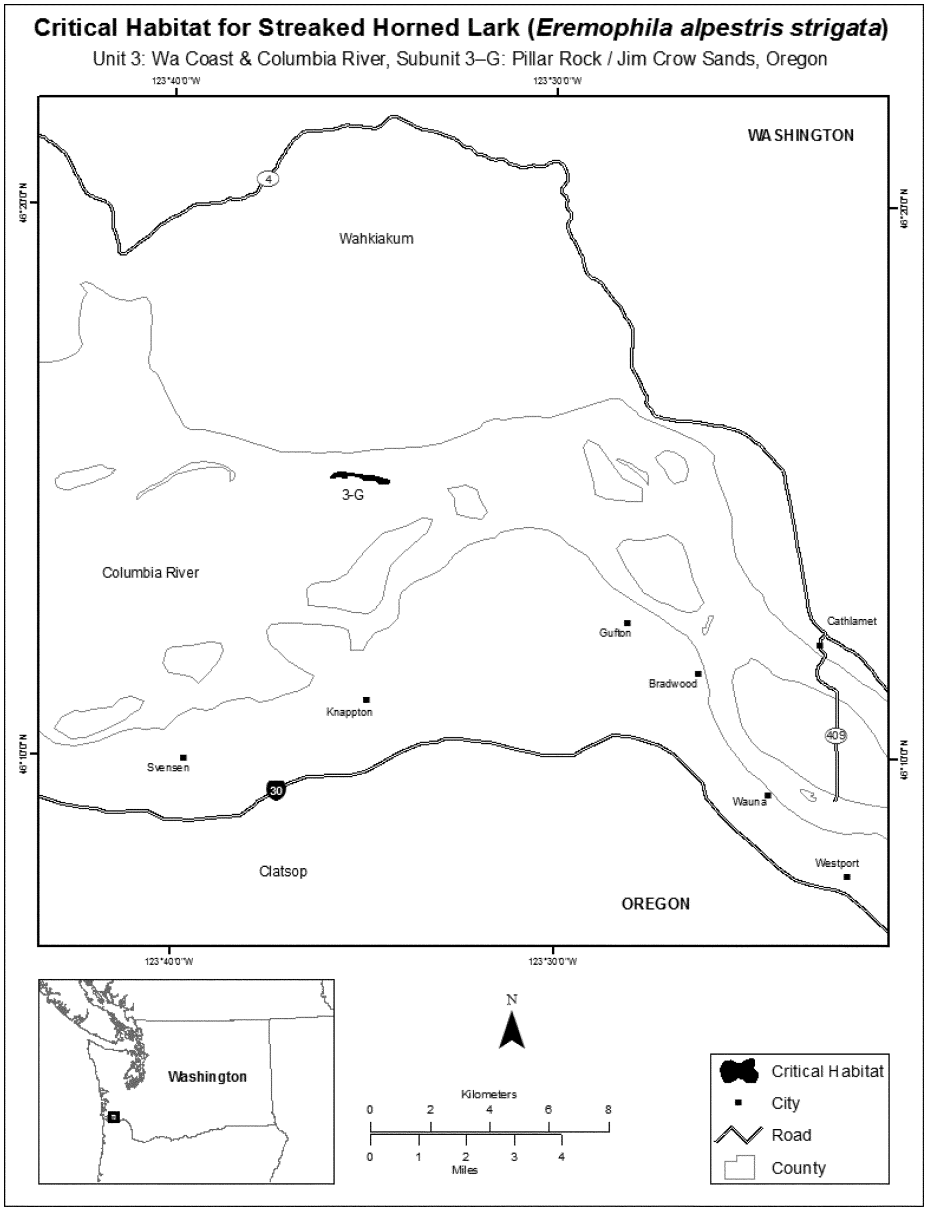
(v) Subunit 3–E: Rice Island, Oregon/Washington. Map of Subunit 3–E follows:



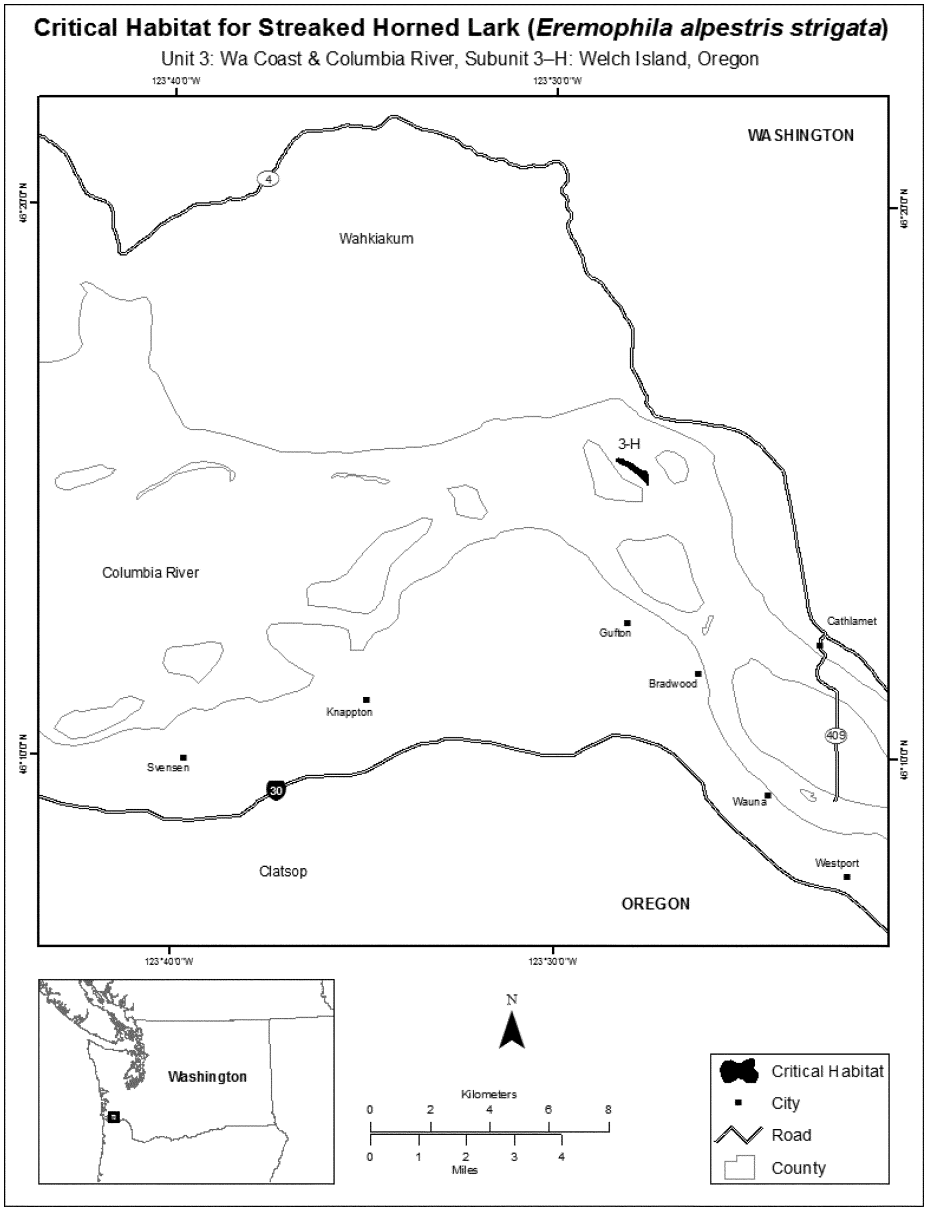
(vi) Subunit 3–F: Miller Sands, Oregon. Map of Subunit 3–F follows:



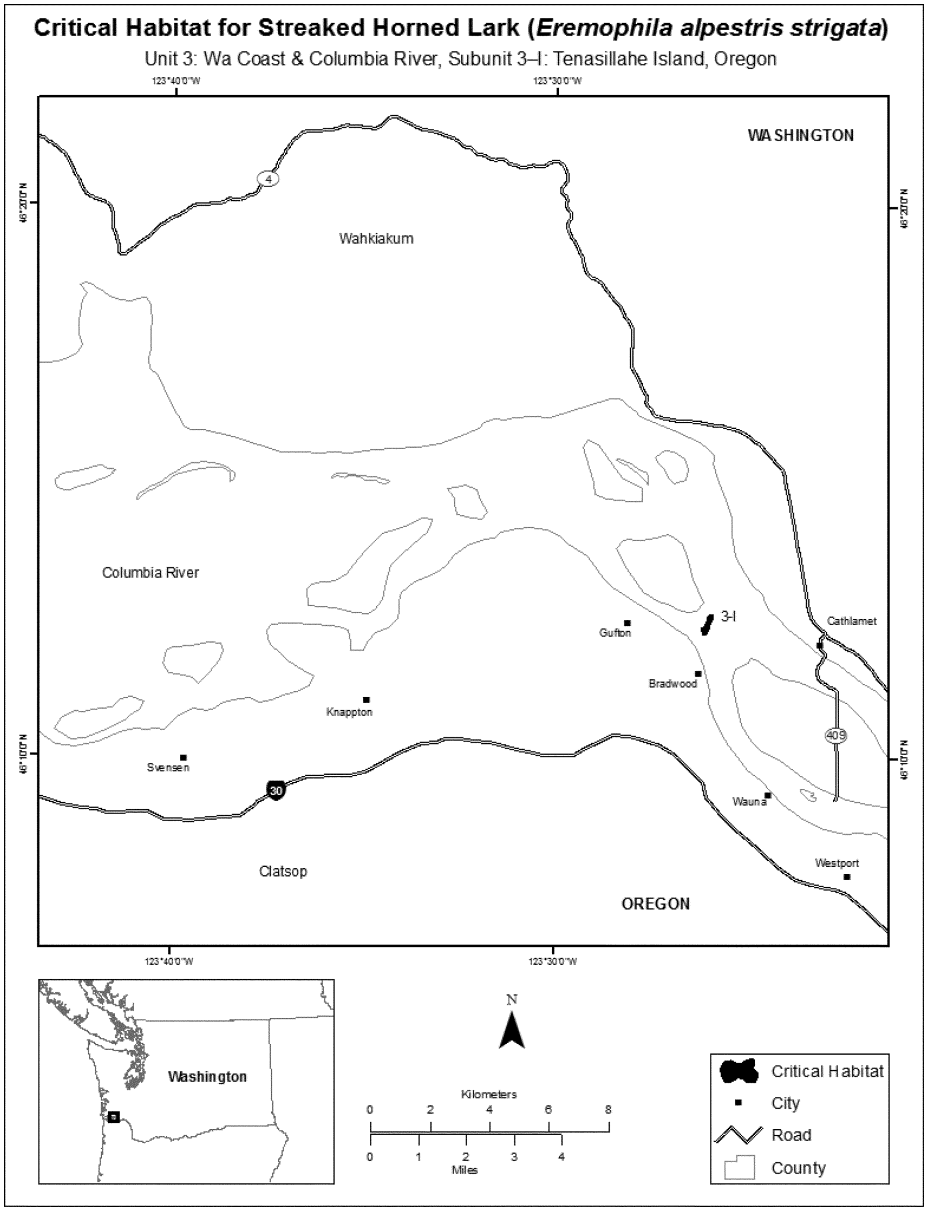
(vii) Subunit 3–G: Pillar Rock/Jim Crow Sands, Oregon. Map of Subunit 3–G follows:



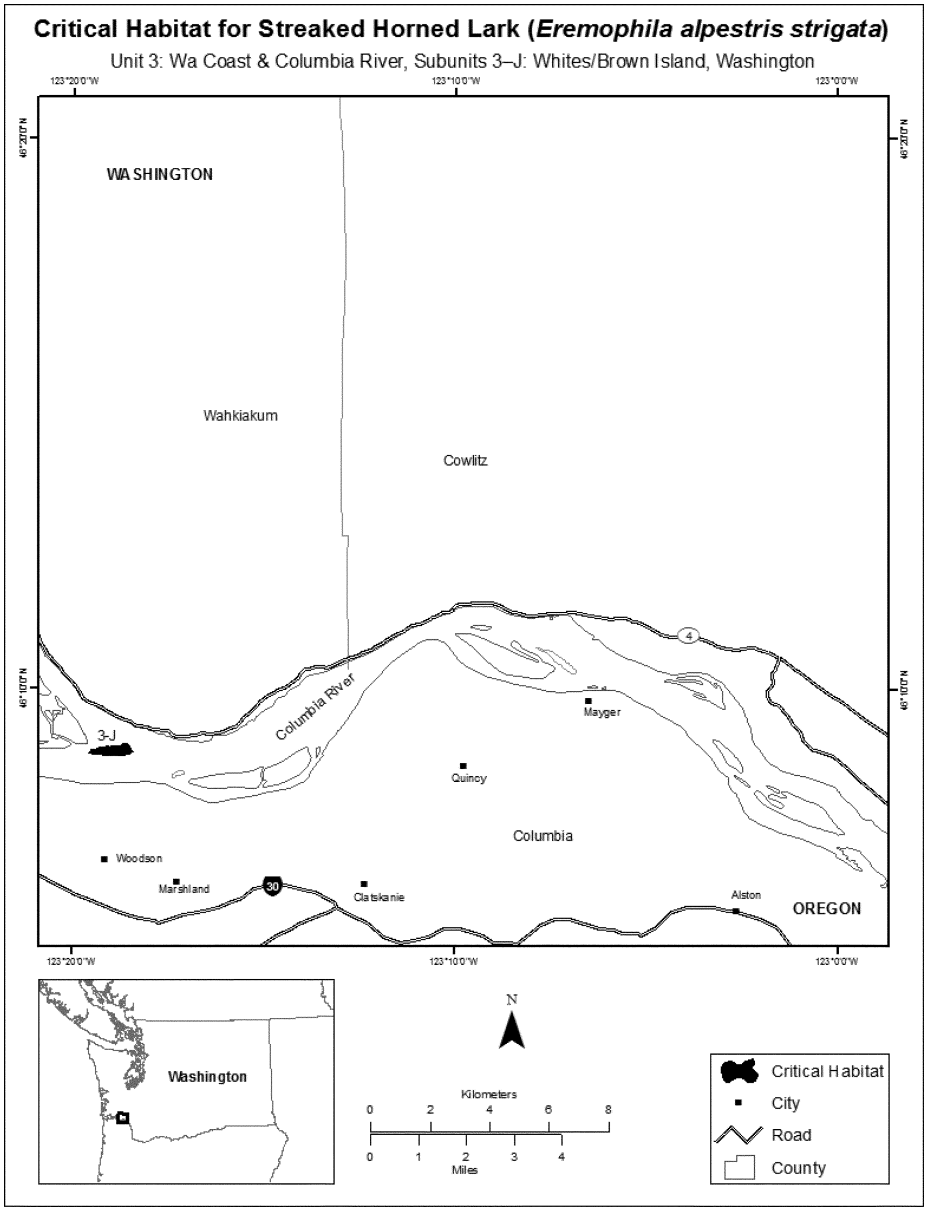
(viii) Subunit 3–H: Welch Island, Oregon. Map of Subunit 3–H follows:



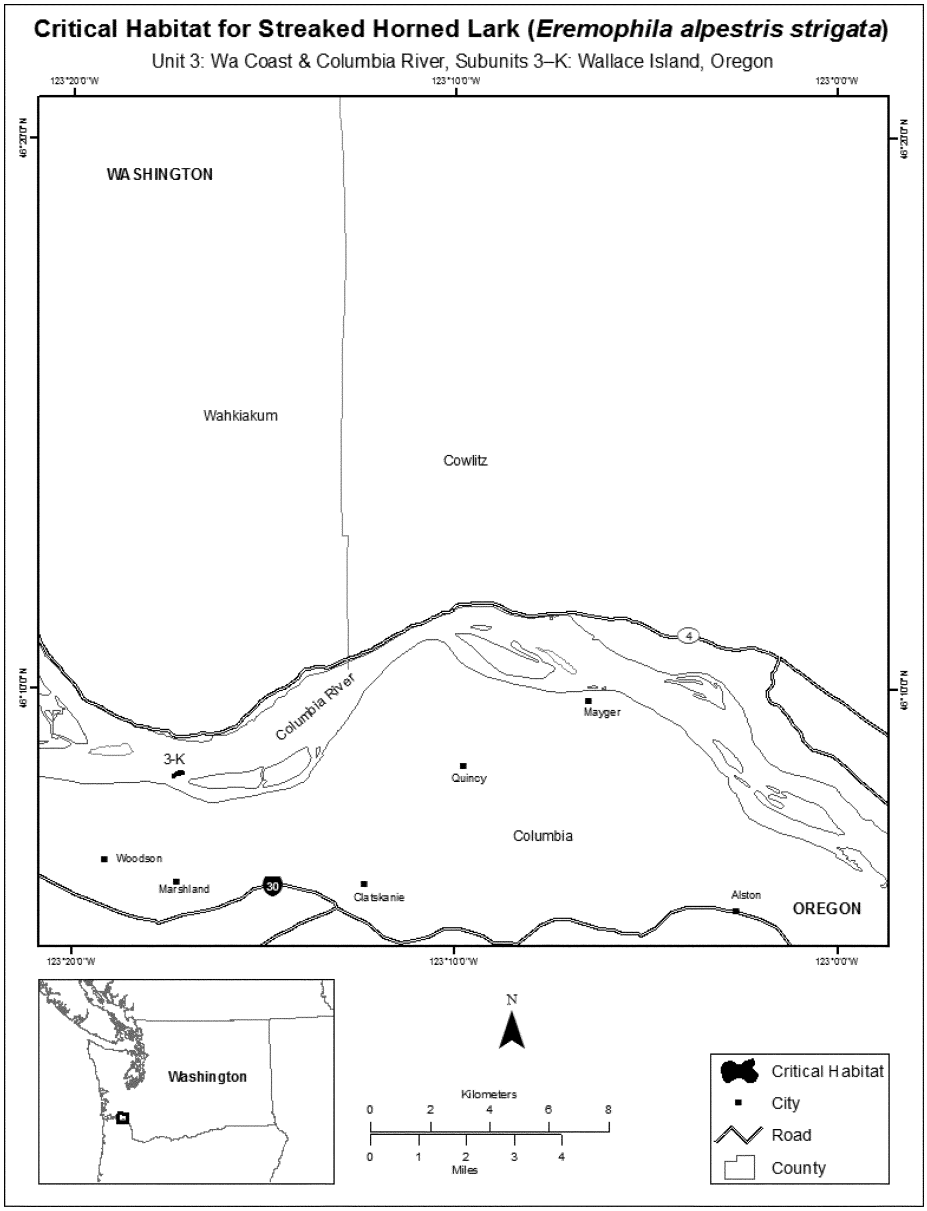
(ix) Subunit 3–I: Tenasillahe Island, Oregon. Map of Subunit 3–I follows:



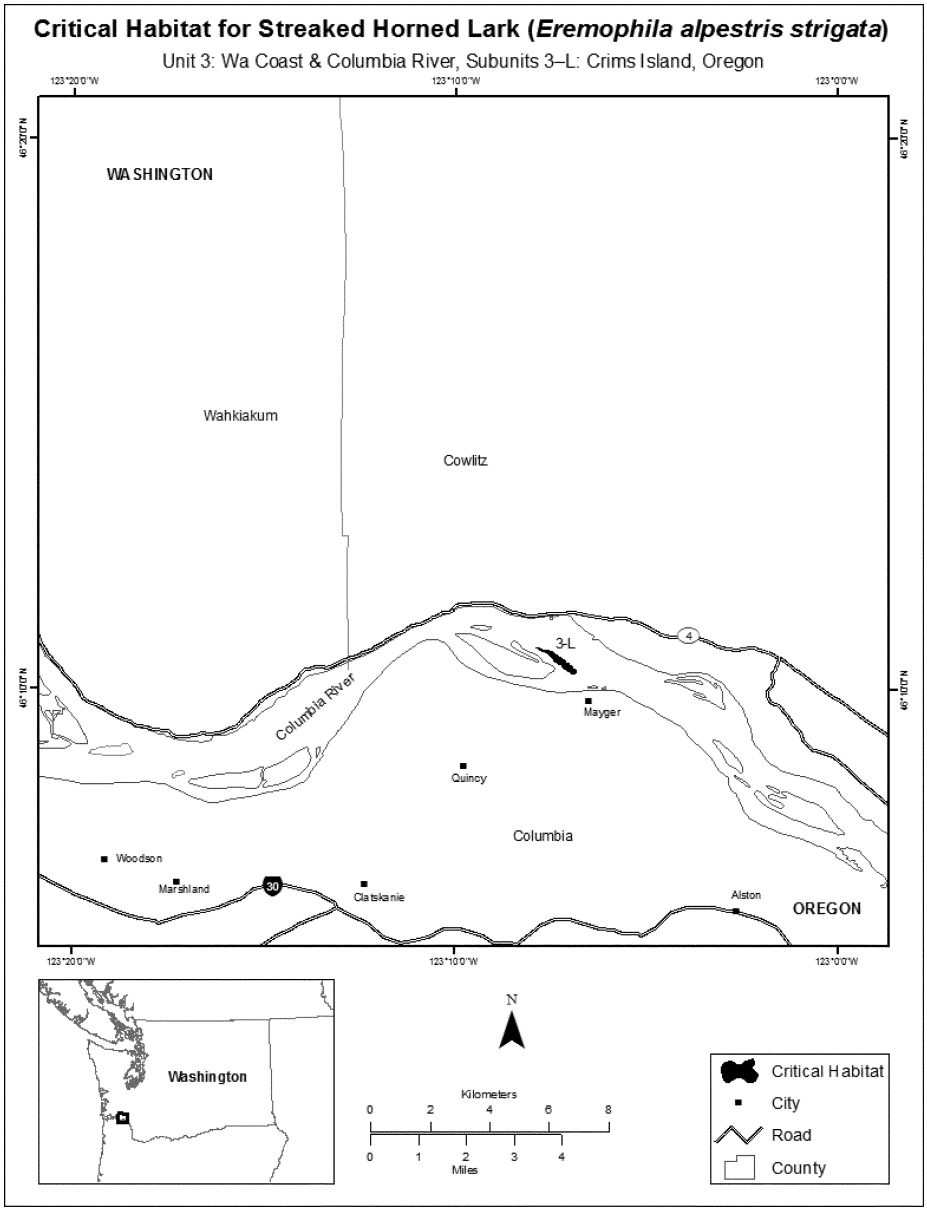
(x) Subunit 3–J: Whites/Brown Island, Washington. Map of Subunit 3–J follows:



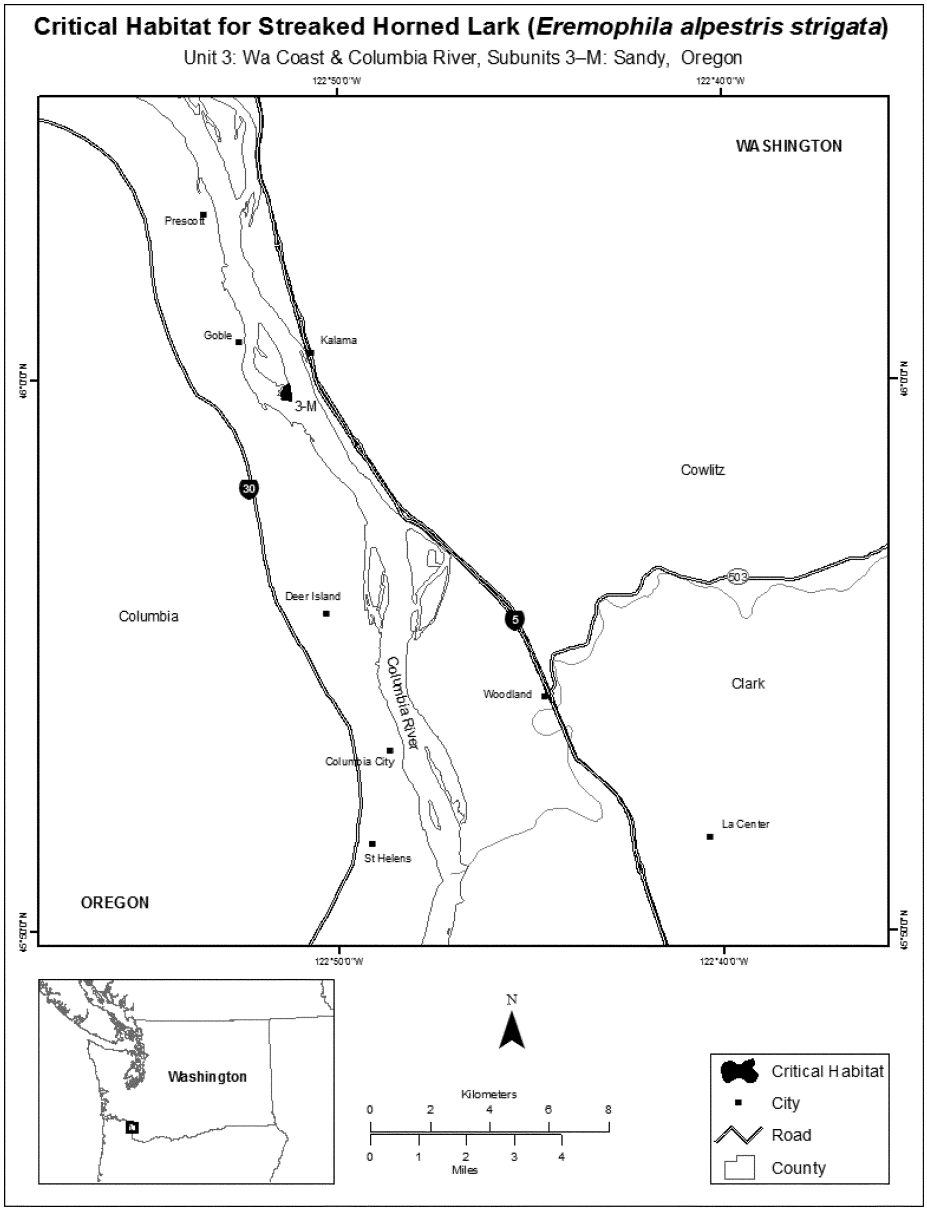
(xi) Subunit 3–K: Wallace Island, Oregon.
Map of Subunit 3–K follows:



(xii) Subunit 3–L: Crims Island, Oregon. Map of Subunit 3–L follows:

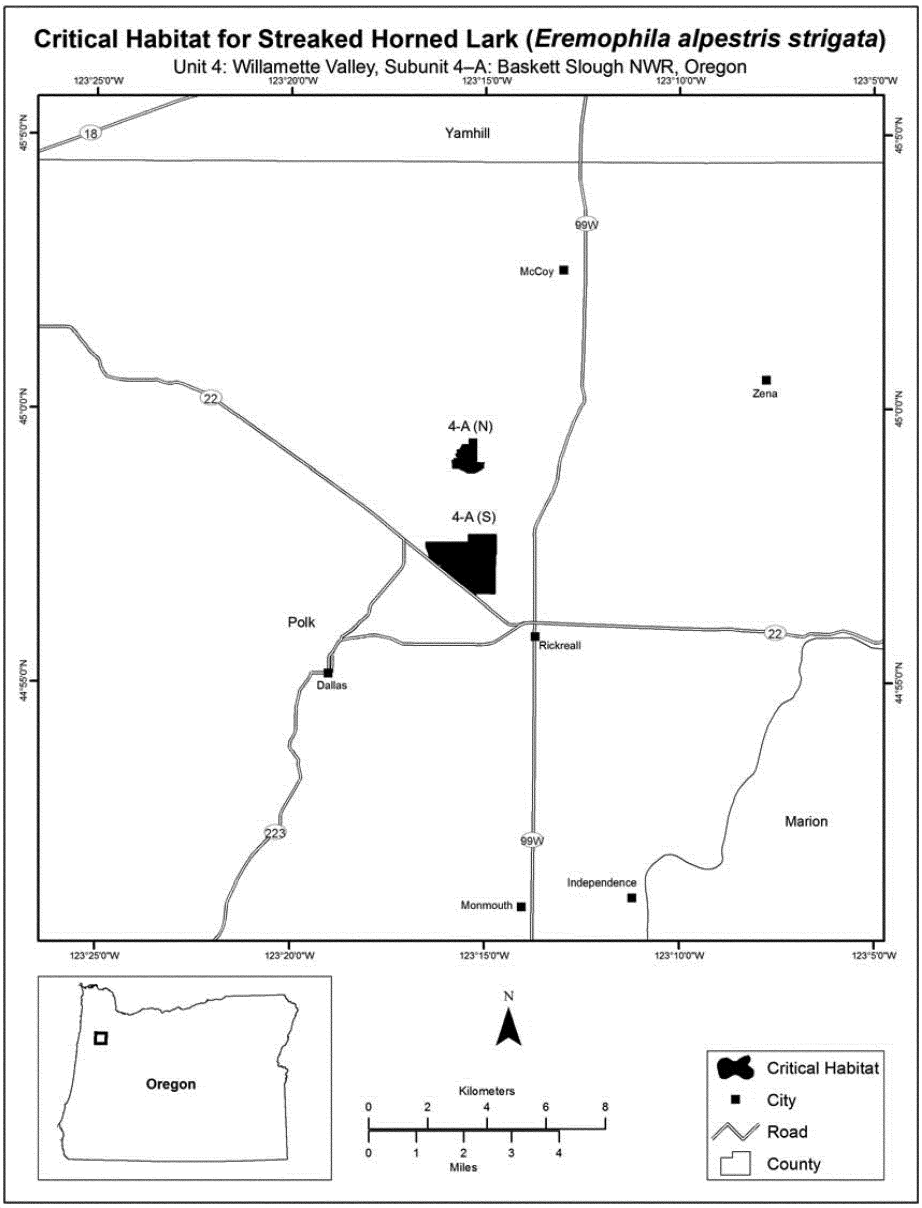


(xiii) Subunit 3–M: Sandy Island, Oregon.
Map of Subunit 3–M follows:

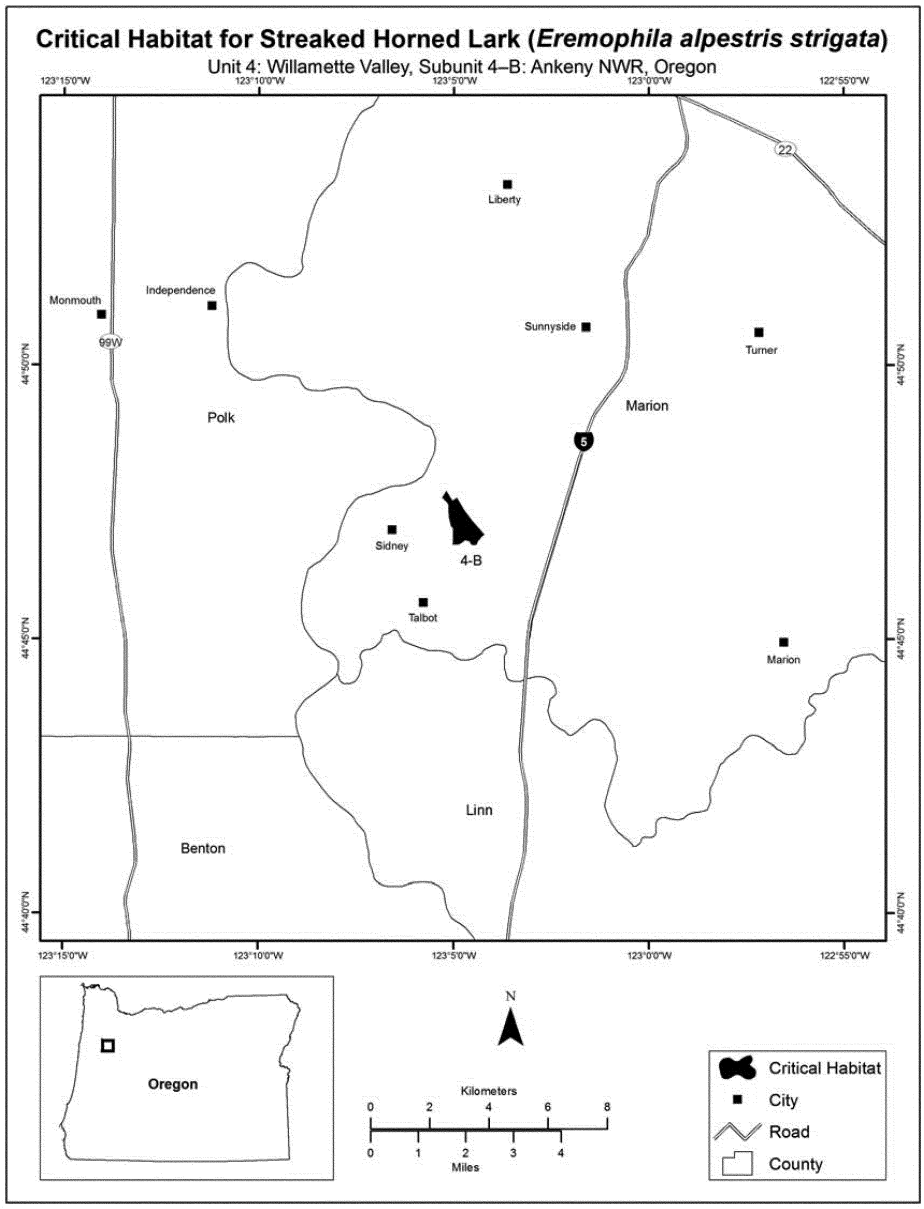


(7) Unit 4—Willamette Valley, Oregon.

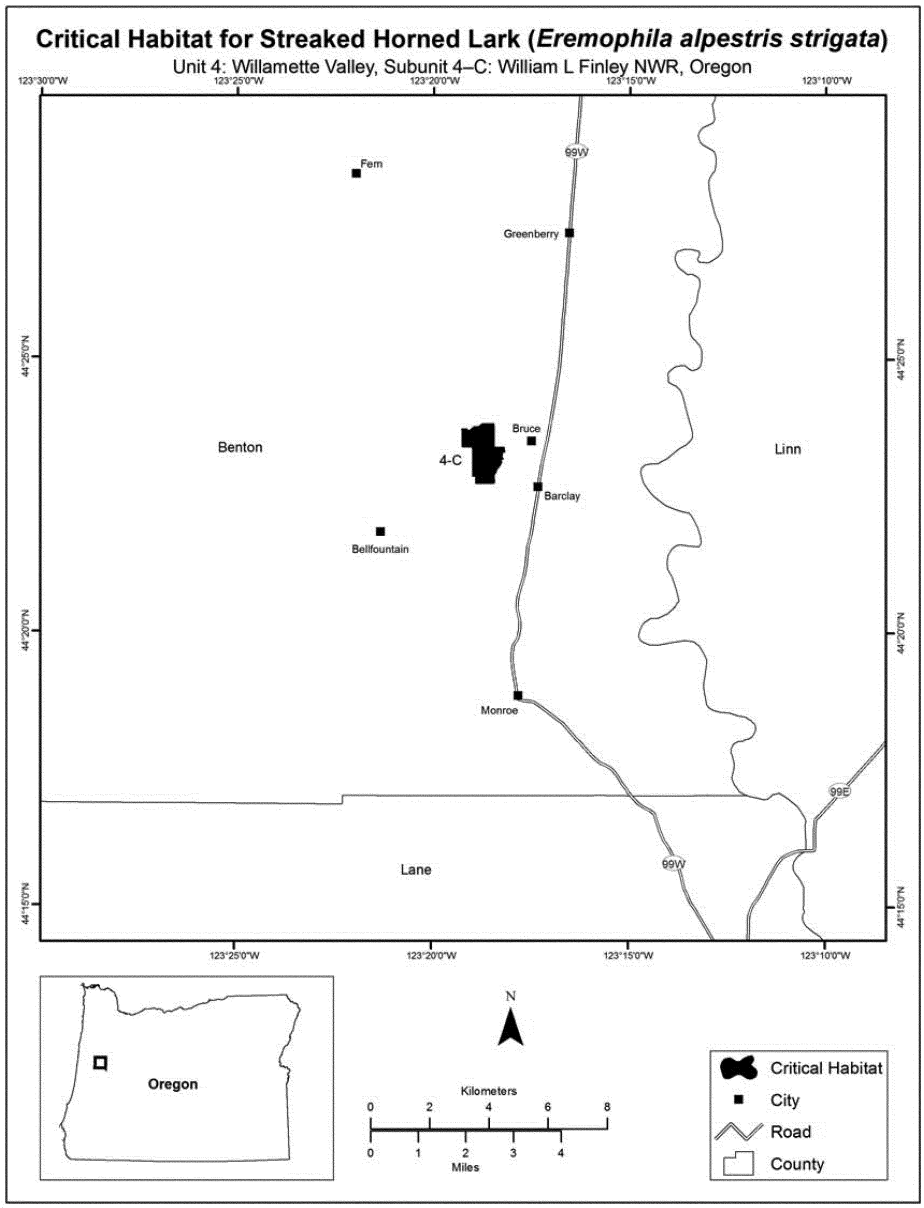
(i) Subunit 4–A: Baskett Slough NWR, Oregon. Map of Subunit 4–A follows:



(ii) Subunit 4–B: Ankeny NWR, Oregon.
Map of Subunit 4–B follows:



(iii) Subunit 4–C: William L. Finley NWR, Oregon. Map of Subunit 4–C follows:



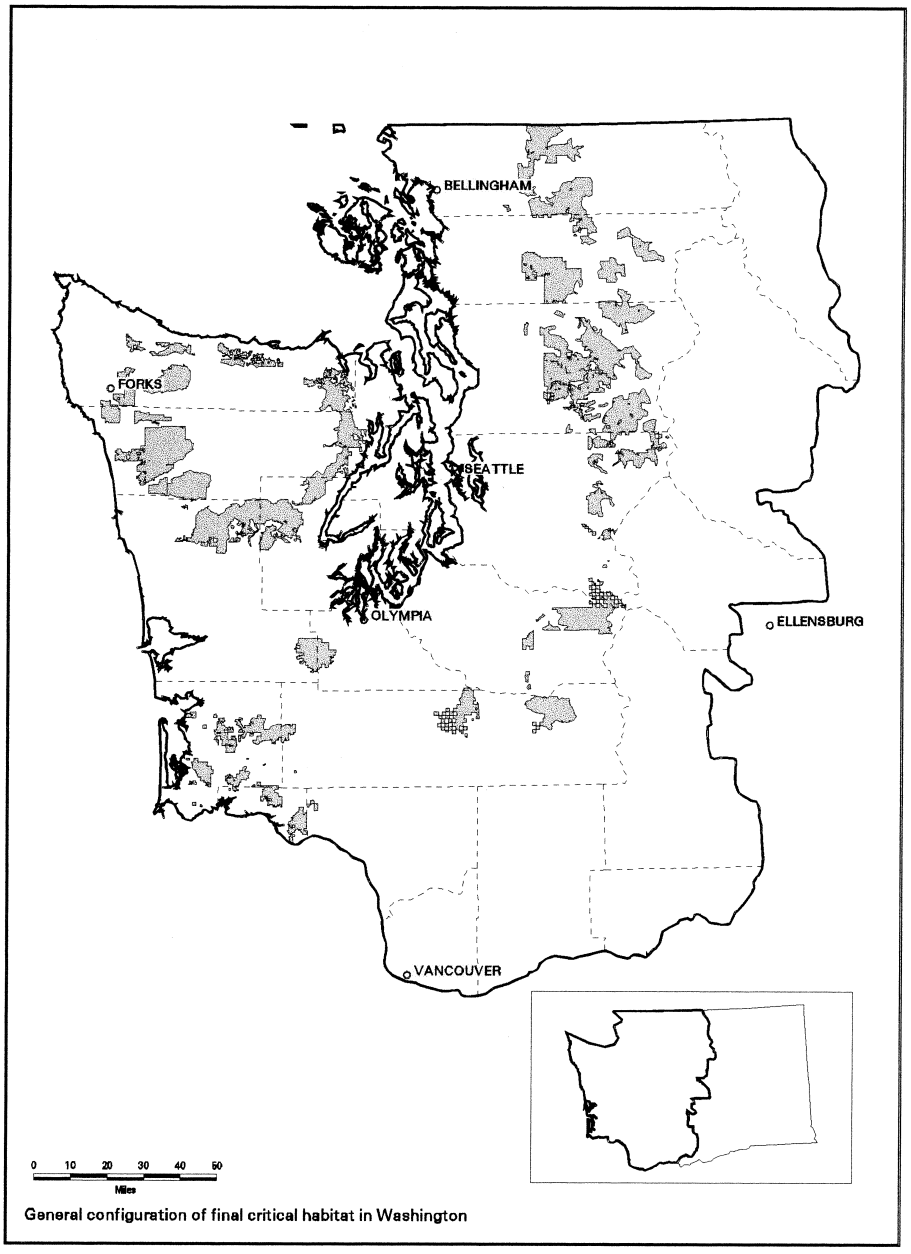
MARBLED MURRELET (*Brachyramphus marmoratus*)

1. Critical habitat units are depicted for the States of Washington, Oregon, and California on the maps below. The maps provided are for informational purposes only.

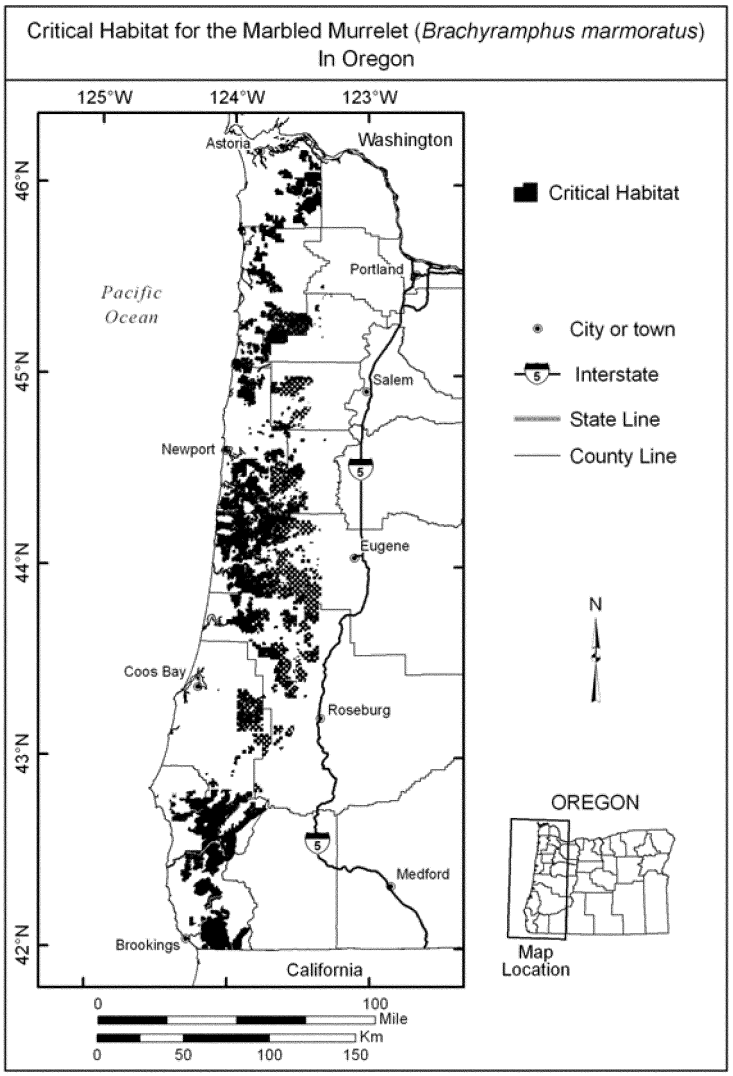
2. The primary constituent elements: individual trees with potential nest platforms and forest lands of at least one half site-potential tree height regardless of contiguity within 0.8 kilometers (0.5 miles) of individual trees with potential nesting platforms and

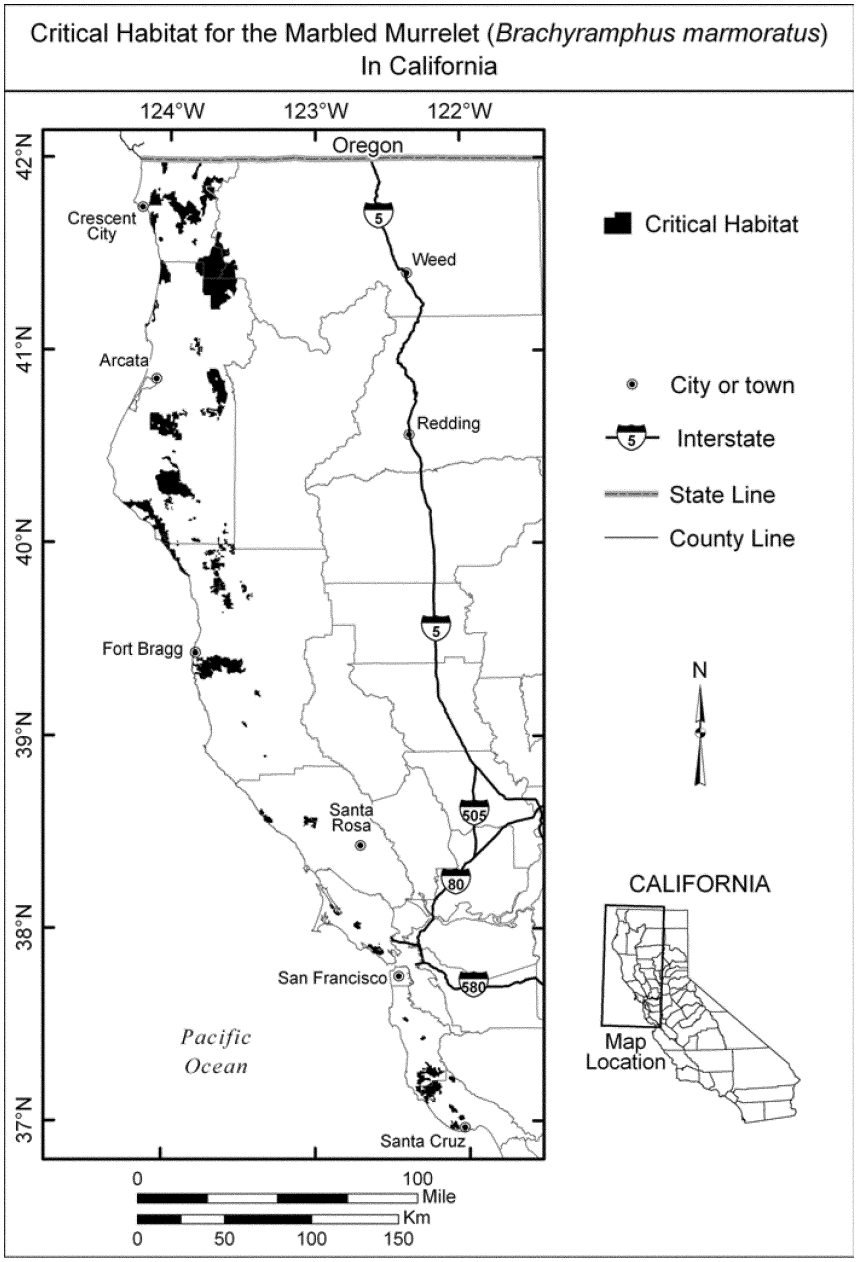
that are used or potentially used by the marbled murrelet for nesting or roosting.

3. A description of the critical habitat units follows. Where a critical habitat unit includes Federal lands within the boundaries of a Late Successional Reserve (LSR) established by the Northwest Forest Plan, the areas included within the LSR boundaries as they existed on May 24, 1996, remain designated as critical habitat. Critical habitat units do not include non-Federal lands covered by a legally operative incidental take permit for marbled murrelets issued under section 10(a) of the Act.



General configuration of final critical habitat in Washington


Critical Habitat for the Marbled Murrelet (Brachyramphus marmoratus)
In Oregon
125°W
124°W
123°W
46°N
45°N
44°N
43°N
42°N
Astoria
Washington
Portland
Pacific
Ocean
Salem
Newport
Eugene
Coos Bay
Roseburg
Medford
Brookings
California
Critical Habitat
City or town
Interstate
State Line
County Line
N
OREGON
Map
Location
0
100
Mile
0
50
100
150
Km



Map and description of WA–01–a taken from United States Fish and Wildlife Service 1:100,000 map; Cape Flattery, Forks, and Port Angeles, Washington; 1995.

Critical Habitat includes only Federal lands designated as Late Successional Reserves described within the following areas:

T.28N., R.10W. Willamette Meridian: W½ W½ Section 1; Sections 2–8; NW¼, N½ SW¼, N½ NE¼, SW¼ NE¼ Section 9; N½ NW¼, NE¼ Section 10; W½ NW¼, NE¼ NW¼, N½ NE¼ Section 11; NW¼ NW¼ Section 12.

T.28N., R.11W. Willamette Meridian: Sections 1–5; S½ SW¼, SE¼, S½ NE¼, NE¼ NE¼ Section 6; Sections 7–12; N½ NW¼ Section 13; N½ Section 14; N½ N½ Section 15; N½ Section 16; N½, N½ SW¼ Section 17; N½ N½ Section 18.

T.28N., R.12W. Willamette Meridian: SW¼ SW¼ Section 1; SW ¼, S½ SE¼ Section 2; S½ SW¼, SE¼ Section 3; N½ N½ Section 10; N½ Section 11; Section 12 except SW¼ SW¼, N½ NE¼ Section 13.

T.29N., R.10W. Willamette Meridian: SW¼ NW¼, W½ SW¼, SE¼ SW¼ Section 1; Section 2 except N½ NE¼; Section 3 except N½ NE¼; Sections 4–5; SE¼ NW¼, SW¼ SW¼, E½ Section 6; Sections 7–24; Section 25 except SE¼ SE¼; Sections 26–35; NW¼, N½ SW¼, SW¼ SW¼, W½ NE¼ Section 36.

T.29N., R.11W. Willamette Meridian: SE¼ SW¼, SE¼, SE¼ NE¼ Section 12; Section 13; N½, N½ SW¼, SE¼ Section 14; E½ SE¼ Section 22; S½, NE¼ Section 23; Sections 24–27; S½, S½ NE¼ Section 28; SE¼ Section 29; SE¼ SE¼ Section 31; S½ SW¼, NE¼ SW¼, SE¼, S½ NE¼, NE¼ NE¼ Section 32; Sections 33–36.

T.30N., R.09W. Willamette Meridian: S½ SW¼ Section 18; N½ NW¼ Section 19.

T.30N., R.10W. Willamette Meridian: E½ NW¼, E½ SW¼, SW¼ SW¼, SE¼, SW¼ NE¼ Section 1; S½ SW¼, SW¼ SE¼ Section 2; Section 3 except NE¼; Section 4; E½ NW¼, S½ SW¼, NE¼ SW¼, E½ Section 5; S½ Section 6; Sections 7–12; Section 13 except SW¼ SW¼; NW¼ NW¼, NE¼ Section 14; Section 15; N½, N½ SE¼ Section 16; N½ Section 17; Section 18 except S½ SE¼; NW¼ NW¼ Section 19; SW¼ SW¼ Section 35.

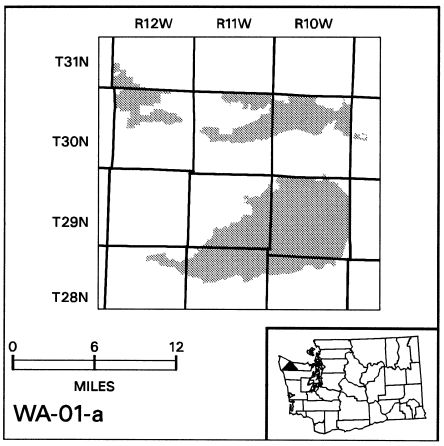
T.30N., R.11W. Willamette Meridian: Sections 1–2; Section 3 except S½ SW¼, SW¼ SE¼; Section 4 except S½ SW¼, SW¼ SE¼; NE¼ NE¼ Section 10; N½ NW¼, SE¼ SE¼, W½ NE¼, NE¼ NE¼ Section 11; NW¼ NW¼, S½, E½ NE¼ Section 12; Sections 13–14; S½, S½ NE¼ Section 15; S½ Section 17; SE¼ Section 18; N½ NW¼, SE¼ NW¼, NE¼ Section 20; N½, N½ SE¼ Section 21; N½, N½ S½ Section 22; N½, N½ SW¼ Section 23; NW¼, W½ NE¼, NE¼ NE¼ Section 24.

T.30N., R.12W. Willamette Meridian: NW¼ NW¼ Section 2; W½, N½ NE¼ Section 3; Section 4–5; Section 6 except W½ NW¼, NW¼, N½ SE¼, NE¼ Section 7; Section 8 except SW¼ SW¼; N½ N½, SE¼ SE¼ Section 9; S½ Section 10; S½ SW¼, SW¼ SE¼ Section 11; W½ NW¼ Section 13; N½, N½ SW¼ Section 14; N½, NE¼ SE¼ Section 15; Section 17 except NW¼ NW¼, SE¼ SE¼.

T.31N., R.12W. Willamette Meridian: Section 30 except NE¼; Section 31; Section 32 except NE¼; S½ SW¼ Section 33.

Critical Habitat includes only State or County lands described within the following areas:

T.30N., R.12W. Willamette Meridian: N½ Section 16.



Map and description of WA–01–b taken from United States Fish and Wildlife Service 1:100,000 map; Port Angeles, Washington; 1995.

Critical Habitat includes only Federal lands designated as Late Successional Reserves described within the following areas:

T.29N., R.07W. Willamette Meridian: N½ NW¼ Section 1; NE¼ Section 2.

T.30N., R.07W. Willamette Meridian: NW¼ SW¼, SW¼ SE¼, SW¼ NE¼ Section 26; S½ SW¼ Section 29; Section 30 except SE¼ NE¼, N½ NE¼; Section 31 except SW¼ SW¼; W½ W½, NE¼ NW¼ Section 32; W½ NW¼, N½ SW¼, SE¼ SW¼, N½ SE¼, S½ NE¼, NE¼ NE¼ Section 33; NW¼, N½ SE¼, W½ NE¼, SE¼ NE¼ Section 34; Sections 35–36.

T.30N., R.08W. Willamette Meridian: Section 25; Section 26 except NW¼ NE¼; Sections 27–29; N½ N½ Section 32; N½, NE¼ SE¼ Section 33; N½, N½ SW¼, SE¼ Section 34; N½, W½ SW¼, NE¼ SW¼, N½ SE¼ Section 35; N½, N½ S½ Section 36.

Critical Habitat includes only State or County lands described within the following areas:

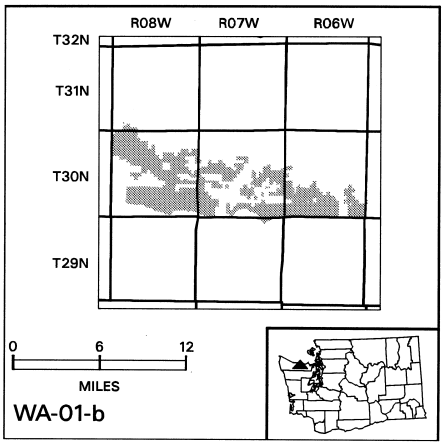
T.30N., R.06W. Willamette Meridian: N½ SW¼, NW¼ SE¼ Section 18; NW¼ NW¼, SW¼, W½ SE¼ Section 19; SW¼ SW¼ Section 20; SW¼ SW¼, E½ SW¼ Section 21; SE¼ SE¼ Section 23; NW¼ NW¼, W½ SW¼, SE¼ SW¼ Section 25; E½ Section 26; SE¼ NW¼, S½ Section 27; Section 28 except SE¼ SW¼, NE¼ NE¼; Section 29; Section 30 except S½ SW¼; Sections 31–34; W½ W½, E½ E½ Section 35; Section 36.

T.30N., R.07W. Willamette Meridian: SE¼ SE¼ Section 9; S½ SW¼ Section 10; S½ S½, NE¼ SE¼ Section 13; SE¼ SW¼, SE¼, SE¼

NE¼ Section 14; SW¼ NW¼, NE¼ NW¼, NW¼ SW¼, SE¼ SE¼ Section 15; SW¼, S½ SE¼, NE¼ SE¼, S½ NE¼ Section 16; S½, S½ N½, NW¼ NE¼ Section 17; NW¼ NW¼, S½, E½ NE¼ Section 18; W½ NW¼, SE¼ NW¼, SW¼, N½ SE¼ Section 19; SW¼, SW¼ SE¼, E½ NE¼ Section 20; NW¼, SW¼ SW¼, NW¼ NE¼ Section 21; SE¼ SW¼, E½ E½ Section 22; S½ NW¼, NE¼ NW¼, SE¼, SE¼ SE¼, W½ NE¼, NE¼ NE¼ Section 23; N½, NW¼ SW¼, N½ SE¼, SE¼ SE¼ Section 24; S½ NW¼, NE¼ Section 25; N½, NW¼ SE¼ Section 27.

T.30N., R.08W. Willamette Meridian: S½ SW¼ Section 4; Section 5 except E½ NE¼; Section 6 except NW¼ NW¼; Section 7 except S½ SW¼; Section 8; Section 9 except NW¼ NE¼; SW¼ SW¼, SE¼ Section 10; W½ SW¼, SE¼ SW¼, SE¼, SE¼ NE¼ Section 11; SW¼ NW¼, N½ S½, SE¼ SE¼, S½ NE¼ Section 12; NW¼ NW¼, W½ SW¼, SE¼ SW¼, SE¼ SE¼, NE¼ NE¼ Section 13; Section 14; Section 15 except N½ SE¼, S½ NE¼; Section 16 except SW¼ SE¼; E½ NW¼, NW¼ NW¼, NE¼ Section 17; NE¼ NW¼, N½ NE¼, SW¼ NE¼ Section 20; N½ NW¼, SE¼ NW¼, SW¼ SE¼, E½ SW¼, NE¼ Section 22; W½, N½ SE¼, SW¼ NE¼ Section 23; SW¼ NW¼, NE¼ NW¼, N½ S½, N½ NE¼ Section 24.

T.31N., R.08W. Willamette Meridian: E½ SE¼ Section 31; W½ SW¼, SE¼ SW¼, SW¼ SE¼ Section 32.



Map and description of WA–02–a taken from United States Fish and Wildlife Service 1:100,000 map; Cape Flattery and Forks, Washington; 1995.

Critical Habitat includes only Federal lands designated as Late Successional Reserves described within the following areas:

T.28N., R.12W Willamette Meridian: S½, S½ N½ Section 4; S½, S½ N½ Section 5; S½, NW¼, S½ NE¼, Section 6; Sections 7–9; Sections 16–21; Sections 28–33.

T.29N., R.12W. Willamette Meridian: S½ Section 7; SW¼, SW¼ SE¼ Section 8; S½ SW¼, SW¼ SE¼ Section 9; NW¼, W½ SW¼, W½ NE¼ Section 16; Section 17 except SE¼ SW¼, SW¼ SE¼; Section 18; Section 19 except W½ SE¼; W½ W½ Section 20; W½ Section 30.

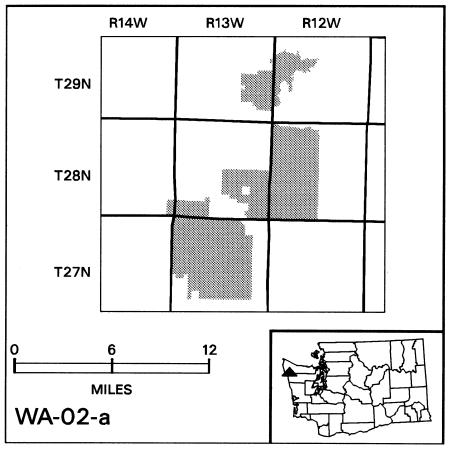
T.29N., R.13W. Willamette Meridian: S½ S½, NE¼ NE¼ Section 13; Section 23 except SW¼ SW¼; Sections 24–25; N½, N½ S½, SE¼ SE¼ Section 26, N½ N½ Section 36.

Critical Habitat includes only State or County lands described within the following areas:

T.27N., R.13W. Willamette Meridian: W½ NW¼, SE¼ NW¼, SW¼ Section 2; Sections 3–11; Sections 14–18; N½, NE¼ SW¼, NW¼ SE¼ Section 19; Sections 20–23; Sections 26–28; N½, W½ SW¼, E½ SE¼ Section 29.

T.28N., R.13W. Willamette Meridian: Sections 22–25; W½ NW¼, S½, E½ NE¼ Section 26; N½, N½ SE¼ Section 27; SW¼ SW¼ Section 28; Sections 31–32; W½ W½ Section 33; E½ E½, W½ SE1/4 Section 35; Section 36.

T.28N., R.14W. Willamette Meridian: E½ Section 36.



Map and description of WA–02–b taken from United States Fish and Wildlife Service 1:100,000 map; Forks and Mt Olympus, Washington; 1995.

Critical Habitat includes only Federal lands designated as Late Successional Reserves described within the following areas:

T.25N., R.10W. Willamette Meridian: Sections 29–30; Section 31 except SE¼ SE¼; N½ NW¼, SW¼ NW¼ Section 32.

Critical Habitat includes only State or County lands described within the following areas:

T.24N., R.11W. Willamette Meridian: N½ N½ Section 1; N½, N½ SW¼ Section 2; Sections 3–8; Section 9 except SE¼; N½ NW¼ Section 10; NW¼ Section 16; NW¼, NW¼ SW¼, W½ NE¼ Section 17; Section 18 except SE¼ SE¼; NW¼ NW¼ Section 19.

T.24N., R.12W. Willamette Meridian: NW¼ NW¼, S½ NW¼, SW¼, W½ SE¼, SE¼ SE¼,

SW¼ NE¼ Section 1; SE¼, NW¼ NE¼, E½ NE¼ Section 2; W½ SE¼, NE¼ SE¼, S½ NE¼ Section 10; Section 11; Section 12 except NE¼ SE¼; W½, W½ NE¼, NE¼ NE¼ Section 13; N½, S½ SE¼, NE¼ SE¼ Section 14; NE¼ NW¼, N½ SE¼, NE¼ Section 23; N½, N½ SW¼ Section 24.

T.25N., R.09W. Willamette Meridian: NW¼, W½ SW¼, N½ NE¼, SW¼ NE¼ Section 6.

T.25N., R.10W. Willamette Meridian: Sections 1–11; W½ NW¼, NE¼ NW¼ Section 12; NW¼, N½ SW¼, N½ NE¼, NE¼ NE¼ Section 14; Section 15 except SE¼ SW¼, S½ SE¼; Sections 16–20; N½ Section 21.

T.25N., R.11W. Willamette Meridian: Section 1–19; Section 20 except NE¼ NW¼; Sections 21–36.

T.25N., R.12W. Willamette Meridian: Section 1 except N½ N½; Section 2 except NE¼ NE¼; Section 3 except NE¼ NW¼; E½ Section 4; SE¼ Section 5; SE¼ SW¼ Section 6; Section 7; N½ Section 8; Section 9; Section 10 except NE¼ NE¼; SE¼ NW¼, S½ Section 11; Section 12; Section 13 except S½ SW¼; W½ W½, E½ Section 14; Sections 15–16; W½ W½, SE¼ SW¼, S½ SE¼, NE¼ SE¼ Section 17; Section 18; E½ NW¼, N½ NE¼, SW¼ NE¼ Section 19; N½ N½ Section 20; N½ N½ Section 21; N½ N½ Section 22; NW¼ NW¼, NE¼ NE¼ Section 23; NE¼ NW¼, E½ SW¼, NE¼ Section 24; Section 25; Section 26 except W½ NW¼, NE¼ NW¼, NW¼ NE¼; Sections 35–36.

T.25N., R.13W. Willamette Meridian: Section 1 except NE¼ SE¼, N½ NE¼, SE¼ NE¼; Section 2 except NW¼; NE¼ NW¼, S½ S½, N½ NE¼, SE¼ NE¼ Section 11; Section 12; Section 13 except SW¼ SW¼; Section 14; N½ NW¼ Section 23; NE¼ NW¼, NW¼ NE¼ Section 24.

T.26N., R.09W. Willamette Meridian: S½ NW¼, SW¼, W½ SE¼, SE¼ SE¼, SW¼ NE¼ Section 19; W½ Section 29; Sections 30–31; W½ W½ Section 32.

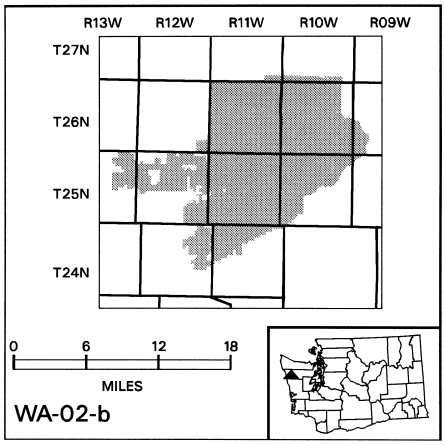
T.26N., R.10W. Willamette Meridian: Sections 2–11; W½ SW¼, SE¼ SW¼, SW¼ SE¼ Section 13; Sections 14–36.

T.26N., R.11W. Willamette Meridian: Sections 1–36.

T.26N., R.12W. Willamette Meridian: Section 36.

T. 27N., R. 10W. Willamette Meridian:
S½ Section 31; S½ Section 32; S½ Section 33; S½ Section 34; S½ Section 35.

T. 27N., R. 11W. Willamette Meridian: SE¼ Section 35; S½ Section 36.



Map and description of WA–02–c taken from United States Fish and Wildlife Service 1:100,000 map; Forks and Mt Olympus, Washington; 1995.

Critical Habitat includes only Federal lands designated as Late Successional Reserves described within the following areas:

T. 23N., R. 9W. Willamette Meridian: NW¼, NW¼ SW¼, NW¼ NE¼ Section 6.

T. 23N., R. 10W. Willamette Meridian: N½, N½ SW¼, SW¼ SW¼, N½ SE¼ Section 1; N½ N½, SE¼ NE¼ Section 2; NW¼, N½ NE¼, SW¼ NE¼ Section 3; E½ NW¼, NE¼ Section 4; N½, SW¼ SW¼, NE¼ SW¼, SE¼ SE¼, NE¼ SE¼ Section 15; S½ NW¼, NE¼ SW¼, SE¼, NW¼ NE¼, S½ NE¼ Section 16; NE¼ NE¼ Section 22.

T. 23N., R. 11W. Willamette Meridian: E½ NW¼, N½ SE¼, NE¼ Section 1.

T. 24N., R. 09W. Willamette Meridian: S½ N½, S½ Section 3; Sections 4–10; Section 15 except SE¼ SE¼, NE¼ NE¼; Sections 16–21; Sections 28–33.

T. 24N., R. 10W. Willamette Meridian: Sections 1–3; S½, NE¼ Section 4; S½ Section 5; S½ Section 6; Sections 7–30; N½, N½ S½, SE¼ SE¼ Section 31; Sections 32–36.

T. 24N., R. 10½W. Willamette Meridian: S½ SE¼ Section 1; Section 12 except W½ W½; Section 13; Section 14 except NW¼ NW¼; Sections 23–26; NW¼, N½ SW¼, N½ NE¼, SW¼ NE¼ Section 35; N½ NW¼, NE¼ Section 36.

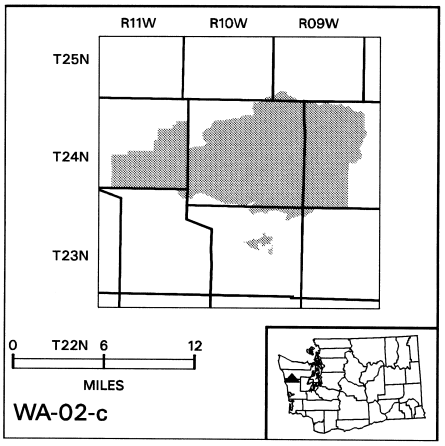
T. 25N., R. 09W. Willamette Meridian: S½, SE¼ NW¼, S½ NE¼ Section 31; NW¼ SW¼, S½ SW¼ Section 32.

T. 25N., R. 10W. Willamette Meridian: S½ SE¼ Section 36.

Critical Habitat includes only State or County lands described within the following areas:

T. 24N., R. 11W. Willamette Meridian: S½ SW¼, NE¼ SW¼, SE¼ Section 12; Sections 13–14; SE¼ SE¼ Section 15; S½ S½ Section

20; S½ Section 21; E½ NE¼, S½ Section 22; Sections 23–29; Sections 32–36.



Map and description of WA–02–d taken from United States Fish and Wildlife Service 1:100,000 map; Forks, Washington; 1995.

Critical Habitat includes only Federal lands designated as Late Successional Reserves described within the following areas:

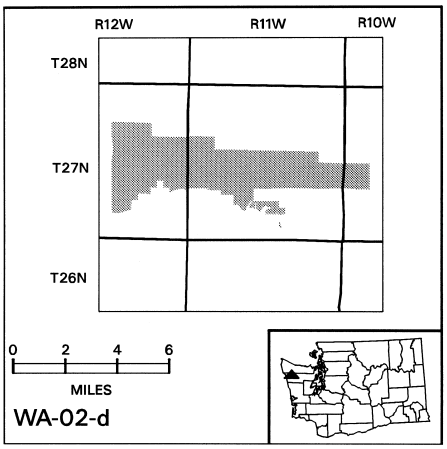
T.27N., R.11W. Willamette Meridian: N½ SW¼, SE¼ SW¼, SW¼ SE¼ Section 27; S½ NW¼, N½ SW¼, SW¼ SW¼, SE¼ Section 28; NE¼ SE¼, SE¼ NE¼ Section 29; SW¼ NE¼ Section 34.

Critical Habitat includes only State or County lands described within the following areas:

T.27N., R.10W. Willamette Meridian: Section 19.

T.27N., R.11W. Willamette Meridian: S½ Section 14; S½ Section 15; S½ Section 16; S½ Section 17; Sections 18–24; S½ SW¼ Section 27; N½ NW¼, NE¼ SW¼, NW¼ SE¼ Section 28; N½ N½ Section 29; NE¼ NE¼ Section 30.

T.27N., R.12W. Willamette Meridian: S½ Section 10; SW¼ Section 11; Sections 13–15; Section 22; Section 23 except SE¼ SE¼; Section 24; NE¼ NW¼, N½ NE¼ Section 25; N½ NW¼ Section 26; Section 27 except E½ SE¼.



Map and description of WA–03–a taken from United States Fish and Wildlife Service 1:100,000 map; Mt Olympus and Shelton, Washington; 1995.

Critical Habitat includes only Federal lands designated as Late Successional Reserves described within the following areas:

T.21N., R.07W. Willamette Meridian: N½ NW¼, SE¼ NW¼, NE¼ SW¼, W½ SE¼ Section 3.

T.21N., R.08W. Willamette Meridian: Sections 4–9; N½, SW¼, NW¼ SE¼ Section 16; Sections 17–18; NW¼ NW¼ Section 21.

T.21N., R.09W. Willamette Meridian: Section 1; Section 2 except NW¼ NW¼; Section 3 except SE¼, S½ NE¼, NE¼ NE¼; Section 4; E½ Section 5; N½ Section 6.

T.22N., R.07W. Willamette Meridian: Section 1; NE¼ NW¼, E½ SE¼, NW¼ SE¼, NE¼ Section 2; W½ Section 3; Sections 4–5; SE¼ NW¼, S½ SW¼, NE¼ SW¼, E½ Section 6; NW¼, N½ NE¼ Section 7; SE¼ NW¼, NE¼ SW¼, S½ SE¼, NE¼ SE¼, NW¼ NE¼, E½ NE¼ Section 8; Section 9; W½, W½ SE¼, SE¼ SE¼ Section 10; NE¼ SE¼, NE¼ Section 11; NW¼ NW¼, S½ NW¼, SW¼, W½ SE¼ Section 12; N½ NW¼, S½ SW¼, W½ SE¼, NE¼ SE¼, W½ NE¼ Section 13; SW¼ NW¼, SW¼, SW¼ SE¼ Section 14; Section 15 except SE¼ NW¼, NE¼ SW¼, SW¼ NE¼; Section 16; Section 17 except W½ NW¼, NE¼ NW¼; SW¼, E½ SE¼, NE1/4 NE1/4 Section 19; Section 20 except SE1/4; Section 21 except SE¼ SE¼; N½ Section 22; N½, E½ SW¼, W½ SE¼, NE¼ SE¼ Section 23; W½ NW¼, NE¼ NW¼ Section 24; NW¼ Section 26; S½ NW¼, SW¼, N½ SE¼, NE¼ Section 27; N½ NW¼ Section 28; NW¼, N½ NE¼ Section 29; SW¼ SW¼ Section 30; W½, N½ SE¼, W½ NE¼ Section 31; W½ Section 34.

T.22N., R.08W. Willamette Meridian: E½ SE¼ Section 1; N½ NW¼, W½ SW¼, NW¼ NE¼ Section 2; Sections 3–9; W½, W½ NE¼, NE¼ NE¼ Section 10; SE¼ NW¼, S½, S½

NE¼ Section 11; W½ SW¼, NE¼ NE¼ Section 12; NW¼ NW¼, SW¼ SE¼ Section 13; NE¼ NW¼, N½ NE¼ Section 14; Section 15 except E½ SE¼, NE¼; Sections 16–21; Section 22 except E½ SE¼, NE¼; E½ SE¼, NW¼ SE¼, NE¼ Section 24; SE¼ SE¼, NE¼ NE¼ Section 25; Section 27 except E½ E½; Sections 28–33; N½ NW¼, SW¼ NW¼, SE¼ SW¼, E½ SE¼, SW¼ SE¼, W½ NE¼ Section 34; Section 35 except NW¼ NW¼; SE¼ SW¼, S½ SE¼, NE¼ SE¼, NE¼ Section 36.

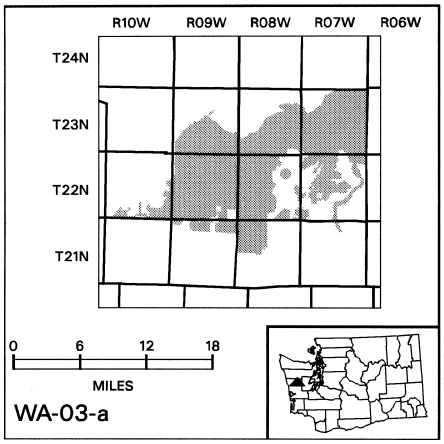
T.22N., R.09N. Willamette Meridian: Sections 1–5; E½, E½ W½ Section 6; E½, E½ W½ Section 7; Sections 8–25; Section 26 except SW¼; Sections 27–33; Section 34 except S½ SE¼; Section 35 except N½ NW¼, W½ SW¼.

T.22N., R.10W. Willamette Meridian: SE¼ Section 13; SE¼ NW¼, SW¼ SW¼, E½ SW¼, SE¼, E½ NE¼ Section 24; SE¼ NW¼, SW¼, E½ Section 25; W½ SW¼, SE¼ SE¼ Section 27; S½ SE¼, NE¼ SE¼ Section 31; SW¼ NW¼, E½ NW¼, S½, S½ NE¼ Section 32; NW¼ NW¼, S½ SW¼, SW¼ SE¼, NE¼ SE¼ Section 33; W½ NW¼, N½ SW¼, NW¼ SE¼, SE¼ SE¼, NE¼ NE¼ Section 34; Section 35 except SW¼ SW¼; Section 36.

T.23N., R.07W. Willamette Meridian: Sections 1–3; S½, S½ NE¼, NE¼ NE¼ Section 4; SW¼ SW¼ Section 7; SE¼ SW¼, SE¼, SE¼ NE¼ Section 8; Sections 9–17; Section 18 except N½ NE¼; Sections 19–30; N½, N½ SW¼, SE¼ Section 31; Section 32–33; Section 34 except S½ SE¼; Sections 35–36.

T.23N., R.08W. Willamette Meridian: S½ NW¼, N½ SW¼, SE¼ SW¼, SE¼, S½ NE¼ Section 11; Section 12 except N½ N½; Sections 13–14; S½, NE¼ Section 15; S½ SE¼, NE¼ SE¼ Section 16; SE¼ SE¼ Section 20; S½, NE¼ Section 21; Sections 22–29; W½ NW¼, SE¼ NW¼, S½, SE¼ NE¼ Section 30; Sections 31–34; Section 35 except E½ SE¼; N½, NE¼ SE¼ Section 36.

T.23N., R.09W. Willamette Meridian: E½ NW¼, SW¼, SW¼ SE¼, W½ NE¼ Section 15; S½ SE¼, NE¼ SE¼ Section 16; SE¼ SE¼ Section 19; S½, S½ NE¼, NE¼ NE¼ Section 20; Sections 21–22; W½ NW¼, SW¼, W½ SE¼, SE¼ SE¼ Section 23; SW¼ SW¼ Section 24; Sections 25–29; SW¼, SW¼, E½ SW¼, SE¼, S½ NE¼ NE¼ NE¼ Section 30; E½ W½, E½ Section 31; Sections 32–36.



Map and description of WA–03-b taken from United States Fish and Wildlife Service 1:100,000 map; Mt Olympus and Shelton, Washington; 1995.

Critical Habitat includes only Federal lands designated as Late Successional Reserves described within the following areas:

T.21N., R.06W. Willamette Meridian: W½, NW1/4 NE¼ Section 3; Sections 4–8; E½, NE¼ Section 9; N½ NW¼ Section 10.

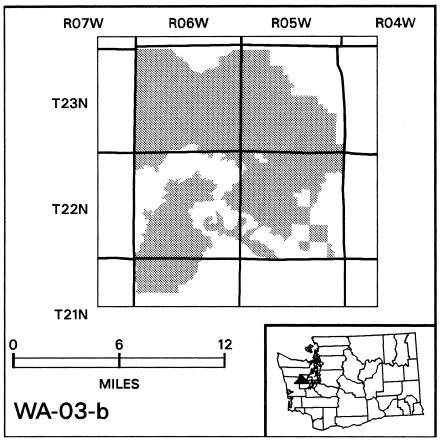
T.22N., R.05W. Willamette Meridian: Sections 1–4; S½, SW¼ NW¼, E½ NW¼, NE¼ Section 5; Sections 6–10; Section 11 except SE¼ SE¼; W½ Section 14; N½ NW¼, W½ SW¼ Section 15; Sections 16–18; N½, W½ SW¼, N½ SE¼, SE¼ SE¼ Section 19; Sections 20–22; Section 26; Section 28 except SW¼ SW¼; N½ NW¼, NE¼ SE¼, N½ NE¼, SE¼ NE¼ Section 29; NW¼ NW¼, S½ SW¼, NE¼ SW¼, W½ SE¼, NE¼ SE¼, S½ NE¼ Section 30; N½ NW¼, SE¼ NW¼, N½ SE¼, SE¼ SE¼, NE¼ Section 31; W½, SE¼, S½ NE¼ Section 32; W½ SW¼, SE¼ SW¼ Section 33; NE¼ Section 34; W½ W½, NE¼ SW¼ Section 36.

T.22N., R.06W. Willamette Meridian: N½, E½ SE¼ Section 1; NW¼, N½ NE¼, SE¼ NE¼ Section 2; N½ NE¼ Section 3; NW¼, W½ SW¼, NE¼ SW¼, NW¼ SE¼, W½ NE¼, NE¼ NE¼ Section 5; Section 6 except S½ SE¼; N½ NW¼, S½ SE¼, NE¼ SE¼ Section 8; S½ Section 9; S½ NW¼, NE¼ NW¼, S½, W½ NE¼, SE¼ NE¼ Section 10; SW¼, SW¼ SE¼ Section 11; NE¼ SE¼, S½ SE¼ Section 12; Section 13; NW¼, N½ SW¼ Section 14; Sections 15–16; E½ Section 17; N½ SE¼, SE¼ SE¼, S½ NE¼, NW¼ NE¼ Section 19; Sections 20–21; W½ NW¼, NE¼ NW¼, W½ SW¼, E½ SE¼ Section 22; S½, SW¼ NE¼ Section 23; NE¼ NW¼, W½ SW¼, E½ SE¼, N½ NE¼, SE¼ NE¼ Section 24; S½ N½, NW¼ NW¼, N½ S½, SE¼ SE¼, NE¼ NE¼ Section 25; N½, SW¼ SW¼, NE¼ SE¼ Section 26; Section 27 except NW¼ NE¼; Sections 28–29; E½

Section 30; Section 31 except W½ NW¼; Sections 32–34; NW¼ Section 35.

T.23N., R.05W. Willamette Meridian: W½ W½ Section 4; S½ N½, S½ Section 5; S½ N½, S½ Section 6; Sections 7–9; W½ SW¼ Section 10; S½ SW¼, SW¼ SE¼ Section 14; NW¼, NW¼ SW¼, S½ SW¼, S½ SE¼ Section 15; Sections 16–22; Section 23 except SE¼ NE¼, N½ NE¼; NW¼ SW¼, S½ SW¼ Section 24; W½ Section 25; Sections 26–35; Section 36 except NE¼.

T.23N., R.06W. Willamette Meridian: SE¼ NW¼, S½, S½ NE¼ Section 1; E½ SE¼ Section 2; SW¼ NW¼, SW¼, W½ SE¼, SE¼ SE¼ Section 4; Sections 5–9; NW¼ NW¼, S½ N½, S½ Section 10; Sections 11–32; Section 33 except SE¼ SE¼; Section 34 except SW¼; Sections 35–36.



Map and description of WA–04–a taken from United States Fish and Wildlife Service 1:100,000 map; Shelton and Chehalis River, Washington; 1995.

Critical Habitat includes only State or County lands described within the following areas:

T.16N., R.03W. Willamette Meridian: NW¼, W½ SW¼, W½ NE¼ Section 4; Sections 5–7; NW¼, W½ SW¼, W½ NE¼, NE¼ NE¼ Section 8; NW¼ NW¼; NW¼ NW¼ Section 16; W½, NE¼ Section 17; Section 18; Section 19 except S½ SE¼.

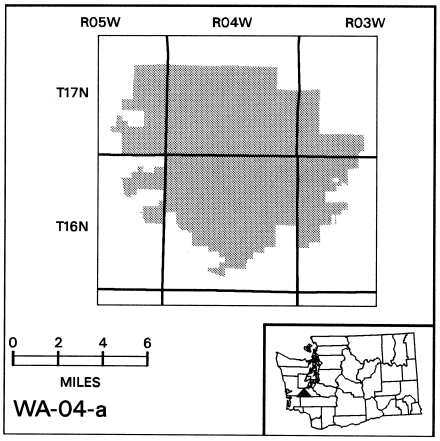
T.16N., R.04W. Willamette Meridian: Sections 1–17; Section 18 except SW¼; NE¼ Section 19; Section 20 except W½ SW¼; Sections 21–23; N½ NW¼ Section 26; Section 27 except E½ SE¼; N½ NW¼, S½ SE¼, NE¼ SE¼, NE¼ Section 28; N½ NW¼, W½ NE¼ Section 33.

T.16N., R.05W. Willamette Meridian: S½ SW¼, SE¼ Section 1; S½ SE¼, NE¼ SE¼ Section 2; N½, SW¼, NW¼ SE¼ Section 11; N½ Section 12; Section 13 except N½ NW¼, NW¼ NE¼.

T.17N., R.03W. Willamette Meridian: Section 19; Sections 30–32; Section 33 except SE¼ SE¼.

T.17N., R.04W. Willamette Meridian: Sections 14–36.

T.17N., R.05W. Willamette Meridian: Section 13; E½ Section 14; S½, NE¼ Section 23; Sections 24–25; NW¼ SW¼, S½ S½ Section 26; S½ SE¼, NE¼ SE¼, SE¼ NE¼ Section 27; Sections 35–36.



Map and description of WA–05–a taken from United States Fish and Wildlife Service 1:100,000 map; Chehalis River, Washington; 1995.

Critical Habitat includes only State or County lands described within the following areas:

T.12N., R.08W. Willamette Meridian: Section 2 except NE¼ NE¼; Sections 3–5; Section 9; Section 10 except NW¼ NW¼; W½, N½ NE¼, SW¼ NE¼ Section 11; W½, W½ NE¼ Section 14; Sections 15–16.

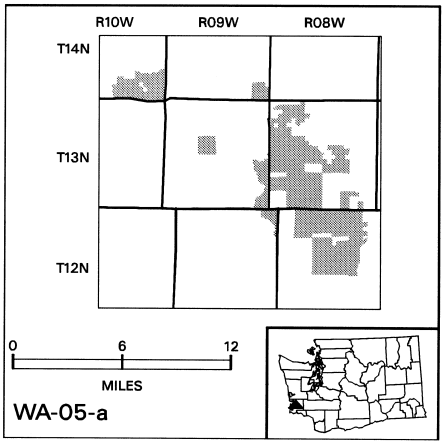
T.12N., R.09W. Willamette Meridian: N½, N½ SE¼, SE¼ SE¼ Section 1.

T.13N., R.08W. Willamette Meridian: SW¼ SW¼ Section 4; Section 5 except N½ NW¼, NW¼ NE¼; SE¼ NW¼, S½ SE¼, NE¼ SE¼, S½ NE¼ Section 6; Section 7 except SE¼ NW¼; NW¼ NW¼, W½ SW¼, W½ NE¼, NE¼ NE¼ Section 8; SW¼ Section 14; NE¼ SW¼, SE¼ Section 15; Sections 16–20; N½ Section 21; SW¼ NW¼, S½, S½ NE¼, NE¼ NE¼ Section 22; W½ NW¼, SE¼ NW¼, SW¼ Section 23; Section 28–29; Section 30 except N½ N½; Sections 32–33.

T.13N., R.09W. Willamette Meridian: Section 16; S½ N½, S½, NE¼ NE¼ Section 24; E½ NW¼, NW¼ SE¼, E½ SE¼, NE¼ Section 25; Section 36 except N½ NW¼.

T.14N., R.09W. Willamette Meridian: Section 36 except NE¼ NE¼.

T.14N., R.10W. Willamette Meridian: S½, S½ NE¼ Section 25; S½ Section 26; SE¼ Section 27; Section 34 except NW¼ NW¼; Section 35 except NW¼ NE¼, SE¼ NE¼; Section 36.



Map and description of WA–05–b taken from United States Fish and Wildlife Service 1:100,000 map; Astoria, Oregon-Washington; 1995.

Critical Habitat includes only State or County lands described within the following areas:

T.10N., R.09W. Willamette Meridian: N½, N½ SE¼, NE¼ SW¼ Section 3; N½ NE¼ Section 4.

T.11N., R.09W. Willamette Meridian: Sections 4–10; W½ Section 14; Sections 15–18; Section 19 except SW¼ SW¼; Sections 20–22; Sections 27–29; NW¼, E½ Section 33; Section 34 except SW¼.

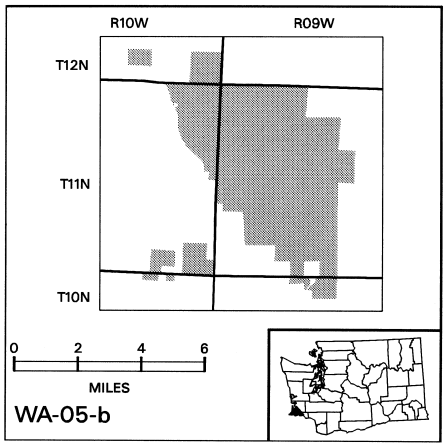
T.11N., R.10W. Willamette Meridian: Section 1; E½ NW¼, E½ Section 2; E½ E½ Section 11; Section 12; N½ NW¼, SE¼ NW¼, NW¼ SE¼, E½ SE¼, NE¼ Section 13; Section 36 except E½ NE¼.

T.12N., R.10W. Willamette Meridian: NW¼, E½ NE¼ Section 34; Section 36.

Critical Habitat includes only Private lands described within the following areas:

T.11N., R.10W. Willamette Meridian: S½ NW¼, N½ SW¼, SW¼ SW¼, that portion of the SE¼ SW¼ west of Ellsworth Creek, NW¼ SE¼, SW¼ NE¼ Section 35.

T.10N., R.10W. Willamette Meridian: NW¼ NW¼, NW¼ NE¼ Section 2; NE¼ NE¼ Section 3.



Map and description of WA–05–c taken from United States Fish and Wildlife Service 1:100,000 map; Astoria, Oregon-Washington; 1995.

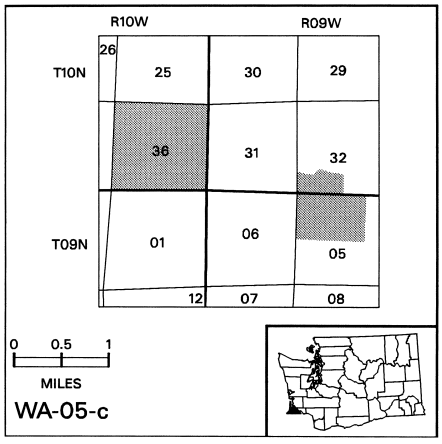
Critical Habitat includes only State or County lands described within the following areas:

T.10N., R.10W. Willamette Meridian: Section 36.

Critical Habitat includes only Private lands described within the following areas:

T.09N., R.09W. Willamette Meridian: NW1/4, W1/2 NE1/4 Section 5.

T.10N., R.09W. Willamette Meridian: That portion of the S1/2 SW1/4 Section 32 south of Bean Creek.



Map and description of WA–05–d taken from United States Fish and Wildlife Service 1:100,000 map; Cape Flattery, Washington; Astoria, Oregon-Washington; 1995.

Critical Habitat includes only State or County lands described within the following areas:

T. 10N., R. 06W. Willamette Meridian: Sections 2–5; N½ Section 6; S½ SE¼, NE¼ SE¼, N½ NE¼, SE¼ NE¼ Section 7; Sections 8–10; Sections 14–17; E½ Section 18; Section 19; SW¼ NW¼, SW¼, W½ NE¼, NE¼ NE¼ Section 20; Section 21–27; S½ NW¼, S½ Section 28; NE¼ Section 29; NW¼, W½ NE¼ Section 30; N½, N½ SW¼ Section 33; N½, W½ SE¼ Section 34; N½, SW¼, NW¼ SE¼ Section 35; N½, NW¼ SW¼, S½ SE¼, NE¼ SE¼ Section 36.

T. 10N., R. 08W. Willamette Meridian: N½ NW¼, NW¼ NE¼ Section 1; Section 2; NW¼ Section 10; E½ NW¼, N½ SE¼, NE¼ Section 11; W½ NW¼, SE¼ NW¼, SW¼ NE¼ Section 12.

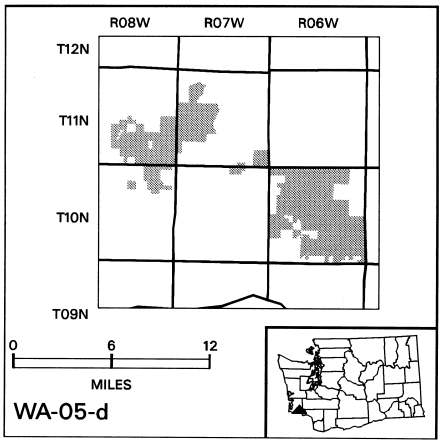
T. 11N., R. 07W. Willamette Meridian: N½, SW¼, W½ SE¼ Section 8; Section 16 except SE¼ SE¼; Sections 17–20; W½, SW¼ SE¼ Section 21; N½ Section 29; N½, SW¼ Section 30; N½ NW¼ Section 31; Section 36.

T. 11N., R. 08W. Willamette Meridian: S½, S½ NE¼ Section 21; NW¼ NW¼, S½ NW¼, SE¼ Section 22; Sections 24–28; E½ SE¼, NE¼ Section 33; N½, SE¼ Section 34; Sections 35–36.

Critical Habitat includes only Private lands described within the following areas:

T. 10N., R. 07W. Willamette Meridian: N½ NW¼, SW¼ NW¼ Section 2; NE¼ Section 3.

T. 11N., R. 07W. Willamette Meridian: S½ SW¼ Section 35.



Map and description of WA–05–e taken from United States Fish and Wildlife Service 1:100,000 map; Astoria, Oregon-Washington; 1995.

Critical Habitat includes only State or County lands described within the following areas:

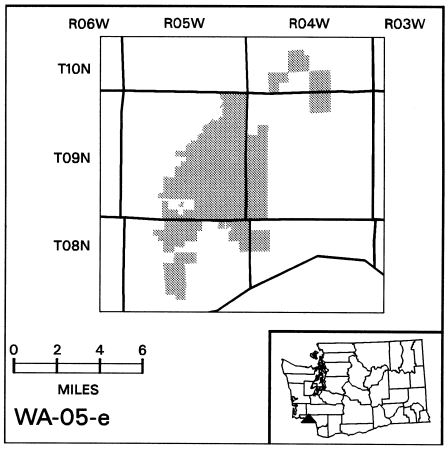
T. 08N., R. 04W. Willamette Meridian: S½ Section 6; N½ Section 7.

T. 08N., R. 05W. Willamette Meridian: Section 1; NE¼ Section 2; E½, W½ NE¼ Section 3; Section 4; N½ SE¼, SE¼ SE¼ Section 5; NW¼, SE¼, N½ NE¼ Section 9; SW¼ Section 10; NE¼ Section 12; Section 16; N½, N½ SE¼ Section 21.

T. 09N., R. 04W. Willamette Meridian: Section 3; SE¼ Section 7; Sections 18–19; Sections 30–31.

T. 09N., R. 05W. Willamette Meridian: Section 1; N½ SE¼, SE¼ SE¼, N½ NE¼, SE¼ NE¼ Section 2; SW¼ SE¼, E½ SE¼ Section 10; Section 11 except N½ NW¼; Sections 12–14; Section 15 except N½ NW¼; S½ SE¼ Section 16; SE¼, SE¼ NE¼ Section 21; Sections 22–28; SE¼ SE¼ Section 29; W½ NW¼, SW¼, W½ SE¼ SE¼ SE¼, E½ NE¼ Section 33; Section 34 except NW¼; Sections 35–36.

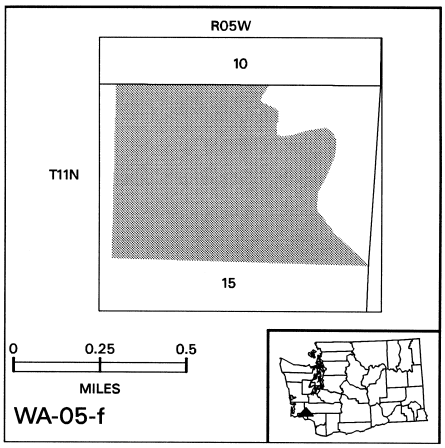
T.10N., R.04W. Willamette Meridian: Section 28 except NE¼ NE¼; W½, NE¼ Section 32; Section 34.



Map and description of WA–05–f taken from United States Fish and Wildlife Service 1:100,000 map; Astoria, Oregon-Washington; 1995.

Critical Habitat includes only Private lands described within the following areas:

T.11N., R.05W. Willamette Meridian: E½ NW¼, that portion of the NE¼ west of the East Fork Chehalis River Section 15.

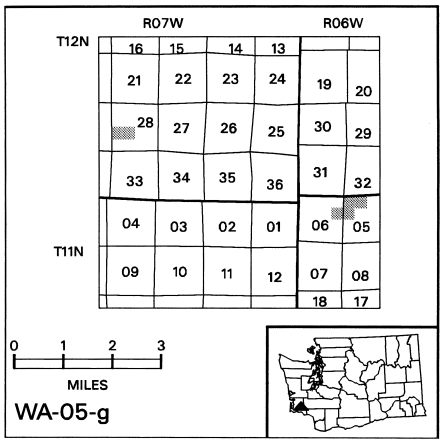


Map and description of WA–05–g taken from United States Fish and Wildlife Service 1:100,000 map; Astoria, Oregon-Washington; 1995.

Critical Habitat includes only Private lands described within the following areas:

T.11N., R.06W. Willamette Meridian: N½ NW¼, SW¼ NW¼ Section 5; SE¼ NE¼ Section 6.

T.12N., R.07W. Willamette Meridian: N½ SW¼ Section 28.



Map and description of WA–05–h taken from United States Fish and Wildlife Service 1:100,000 map; Chehalis River, Washington; 1995.

Critical Habitat includes only State or County lands described within the following areas:

T.12N, R.05W. Willamette Meridian: NW¼ Section 6.

T.12N, R.06W. Willamette Meridian: NE¼ Section 1; N½, N½ S½ Section 3; N½ N½ Section 6.

T.12N, R.07W. Willamette Meridian: N½, N½ SW¼ Section 1; N½, N½ S½ Section 2, NE¼ Section 3.

T.12N, R.08W. Willamette Meridian: NE¼ Section 1.

T.13N, R.05W. Willamette Meridian: S½ S½ Section 7; NE¼ SW¼, S½ SW¼, SE¼ Section 8; S½ SW¼, NE¼ SW¼ Section 9; S½ Section 10; Sections 15–21; Section 22 except SE¼ SW¼, SW¼ SE¼, E½ E½; N½ NW¼, SW¼ NW¼ Section 27; NE¼ Section 28; Section 29–31; Section 32 except W½ SW¼.

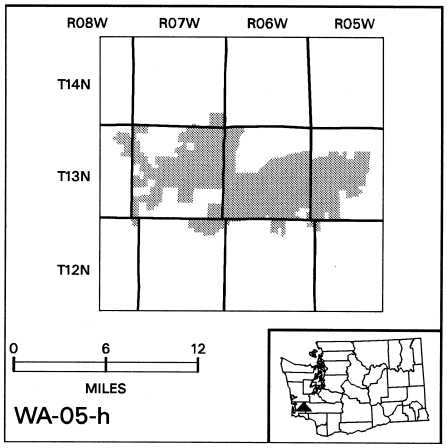
T.13N, R.06W. Willamette Meridian: NW¼, W½ SW¼, NE¼ SW¼, W½ NE¼ Section 5; Sections 6–7; W½ NW¼ Section 8; S½ SE¼ Section 10; S½ SW¼, SE¼ Section 11; S½ Section 12; Sections 13–15; SE¼ Section 16; Sections 18–33; Section 34 except SW¼ SW¼; Section 35; N½, SW¼ NW¼, SW¼ SW¼, E½ SE¼ Section 36.

T.13N, R.07W. Willamette Meridian: Sections 1–2; Section 3 except N½ NW¼; N½, W½ SW¼ Section 6; W½, SW¼ SE¼ Section 7; SE¼ NE¼, NE¼ SE¼ Section 9; Section 10 except NE¼; Sections 11–16; W½ SW¼, SE¼ SW¼, S½ SE¼, NE¼ SE¼, NE¼ Section 17; NW¼, E½ Section 18; S½ NW¼, S½, E½ NE¼ Section 19; N½, SE¼ Section 20; Sections 21–24; Section 27; Section 29 except W½ NW¼; S½ Section 30; W½ Section 31; NW¼, NW¼ NE¼, Section 32; Section 36.

T.13N, R.08W. Willamette Meridian: S½ Section 1; S½ SE¼ Section 2; N½ NW¼, SE¼ SW¼, E½ Section 12.

T.14N, R.06W. Willamette Meridian: SW¼ NW¼, W½ SW¼ Section 31.

T.14N, R.07W. Willamette Meridian: SE¼ SE¼ Section 34; SW¼ SW¼, SE¼ SE¼ Section 35; Section 36.



Map and description of WA–06–a taken from United States Fish and Wildlife Service 1:100,000 map; Port Angeles, Mt Olympus and Seattle, Washington; 1995.

Critical Habitat includes only Federal lands designated as Late Successional Reserves described within the following areas:

T.26N., R.02W. Willamette Meridian: W½ SW¼, NE¼ SE¼, NE¼ Section 2; Section 3 except E½ NE¼; NW¼, E½ Section 4; W½, W½ SE¼, N½ NE¼ Section 5; Sections 6–7; W½, S½ SE¼ Section 8; S½ S½, NE¼ NE¼ Section 9; Section 10 except SW¼ NW¼; Section 14 except E½ SE¼; N½ NW¼, S½ SW¼, NE¼ SE¼, E½ NE¼, NW¼ NE¼ Section 15; Section 16–21; W½, SW¼ SE¼ Section 22; Section 27 except NE¼ NE¼.

T.26N., R.03W. Willamette Meridian: Sections 1–3; E½, E½ W½ Section 10; Sections 11–13; Section 14 except the SW¼ SW¼; S½ NW¼, NE¼ NW¼, SW¼, SW¼ SE¼, NE¼ Section 15; S½ Section 16; SE¼ SE¼ Section 17; S½ N½, N½ S½ Section 19; S½ NW¼, NE¼ NW¼, N½ SW¼, NE¼ Section 20; NE¼ Section 21; N½ NW¼, N½ SE¼, NE¼ Section 22; Section 23 except SW¼ SW¼, NE¼ SE¼; Section 24 except N½ SW¼.

T.26N., R.04W. Willamette Meridian: E½ NW¼, NE¼ SW¼, NE¼ Section 24.

T.27N., R.02W. Willamette Meridian: SW¼ SW¼ Section 5; Section 6 except NE¼ NE¼; Section 7; W½ W½ Section 8; W½, W½ SE¼ Section 17; Sections 18–19; Section 20 except the NE¼ NE¼; S½ NW¼, SW¼ Section 28; Sections 29–33; W½, N½ NE¼ Section 34; N½ NW¼, E½ Section 35.

T.27N., R.03W. Willamette Meridian: Sections 1–2; N½ SE¼, SE¼ SE¼, NE¼ Section 3; Section 11–13; Section 14 except SW¼ NW¼; SE¼ Section 15; E½, SE¼ SW¼ Section 22; Sections 23–26; Section 27 except NW¼ NW¼; S½ Section 28; E½ NW¼, NE¼ Section 33; N½ NW¼, SE¼ NW¼, S½ SW¼, NE¼ SW¼, E½ Section 34; Sections 35–36.

T.28N., R.02W. Willamette Meridian: N½ N½, SW¼ NE¼ Section 5; SW¼ SW¼ Section 7; S½ SW¼ Section 8; N½ NW¼, NW¼ SE¼, S½ SE¼ Section 17; NW¼, S½ NE¼ Section 18; NW¼, S½ SW¼ Section 20; SW¼ Section 28; NW¼, W½ NE¼ Section 29; SE¼ SW¼, S½ SE¼ Section 30; S½ NW¼, SW¼, W½ SE¼, N½ NE¼ Section 31.

T.28N., R.03W. Willamette Meridian: N½, W½ SE¼, NE¼ SE¼ Section 1; W½, SW¼ SE¼, NE¼ Section 2; Sections 3–10; W½, NW¼ SE¼, S½ SE¼ Section 11; S½ SW¼, NE¼ SW¼, SE¼, SE¼ NE¼ Section 12; Sections 13–23; N½, NW¼ SW¼, NE¼ SE¼ Section 24; N½ SW¼, W½ NW¼ Section 25; Sections 26–29; N½, N½ SW¼, SW¼ SW¼, N½ SE¼ Section 30; NE¼ NW¼, E½ Section 32; Section 33 except S½ SW¼, SW¼ SE¼; Section 34; Section 35 except NE¼ SE¼, SE¼ NE¼; SE¼ Section 36.

T.28N., R.04W. Willamette Meridian: NE¼ NE¼ Section 1; SE¼ SE¼, SE¼ NE¼ Section 12; S½ SW¼, NE¼ SW¼, SE¼, SW¼ NE¼, E½ NE¼ Section 13; E½ SE¼, SE¼ NE¼ Section 23; Sections 24–25; SE¼ SW¼, S½ SE¼, NE¼ SE¼, E½ NE¼ Section 26; E½ W½, E½ Section 35; NW¼, N½ SW¼, SW¼ SW¼, N½ NE¼, SW¼ NE¼ Section 36.

T.29N., R.02W. Willamette Meridian: W½ NW¼, SE¼ NW¼, S½, S½ NE¼ Section 30; SW¼ NW¼, W½ SW¼, NE¼ SE¼ Section 31; W½ NW¼, SE¼ NW¼, SW¼, W½ SE¼ Section 32.

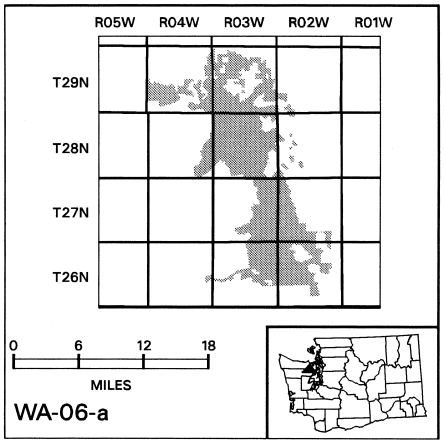
T.29N., R.03W. Willamette Meridian: Section 19; NW¼, W½ SW¼ Section 20; SE¼ SE¼ Section 22; SE¼ NW¼, S½, SW¼ NE¼, E½ NE¼ Section 23; Section 24 except NE¼ SE¼, SE¼ NE¼; Section 25; N½, N½ SW¼, E½ SE¼ Section 26; S½, SW¼ NE¼, E½ NE¼ Section 27; SE¼ NW¼, SW¼ Section 28; Section 29 except NE¼ NE¼; Sections 30–34; S½, SW¼ NW¼, NE¼ NE¼ Section 35; Section 36.

T.29N., R.04W. Willamette Meridian: S½, S½ NW¼, NW¼ NW¼, SW¼ NE¼ Section 19; S½ Section 20; S½ Section 21; E½ W½, SW¼ SW¼, W½ SE¼, NE¼ Section 22; E½ SW¼, NW¼ SW¼, E½, NW¼ NW¼ Section 23; Section 24; Section 25 except NW¼ NW¼; W½ NW¼, NE¼ SW¼, E½ Section 26; N½, N½ SE¼ Section 27; Sections 28–30; N½ Section 32; N½ NW¼, SW¼ NW¼, NW¼ NE¼ Section 33; E½ NE¼, SW¼ NE¼, NE¼ SW¼ Section 34; W½ NW¼, SE¼ NW¼, N½ SW¼, NE¼ SW¼, N½ SE¼, S½ NE¼, NE¼ NE¼ Section 35; Section 36 except SW¼ SW¼.

Critical Habitat includes only State or County lands described within the following areas:

T.29N., R.03W. Willamette Meridian: W½ SW¼, SE¼ SW¼, SW¼ SE¼ Section 4; S½ SW¼, SE¼, SW¼ NE¼ Section 5; SW¼ NW¼, W½ SW¼, S½ SE¼ Section 6; Section 7 except E½ NW¼; Sections 8–9; W½ NW¼, SE¼ NW¼, SW¼, NW¼ SE¼, NE¼ Section 10; NW¼, E½ SW¼, SE¼, SE¼ NE¼ Section 11; NW¼, E½ SW¼ Section 13; Section 14 except W½ NW¼, SE¼ NW¼; N½ NW¼ Section 15; W½, NW¼ NE¼, NW¼ SE¼ Section 16; Section 17; NW¼ NW¼, E½ NW¼, NE¼ SW¼, E½ Section 18; S½ NW¼, NE¼ SE¼, NE¼ Section 21; NE¼ NE¼ Section 28.

T.29N, R.04W. Willamette Meridian: E½ SE¼, SW¼ SE¼ Section 1; E½, SE¼ SW¼ Section 12; E½ NW¼, NE¼ SW¼, N½ SE¼, SW¼ SE¼, NE¼ Section 18.



Map and description of WA–06–b taken from United States Fish and Wildlife Service 1:100,000 map; Mt Olympus and Shelton, Washington; 1995.

Critical Habitat includes only Federal lands designated as Late Successional Reserves described within the following areas:

T.23N., R.04W. Willamette Meridian: NW¼, N½ NE¼ Section 3; Section 4 except SE¼ SE¼; Sections 5–6; N½ Section 7; N½ Section 8; NW¼ Section 9.

T.23N., R.05W. Willamette Meridian: E½ SW¼, SE¼ Section 3; NE¼ NW¼, NE¼ SE¼, NE¼ Section 10; S½ N½, N½ S½ Section 11; S½ NW¼, NE¼ NW¼, NE¼ Section 12.

T.24N., R.03W. Willamette Meridian: Sections 5–6; NW¼, NW¼ NE¼ Section 7.

T.24N., R.04W. Willamette Meridian: Sections 1–5; E½ E½ Section 6; Section 7 except NW¼ NW¼, SE¼ SE¼; Sections 8–16; SE¼ SW¼, E½ Section 17; N½ NW¼ Section 18; N½ SE¼, SE¼ SE¼, S½ NE¼, NE¼ NE¼ Section 19; Sections 20–24; Section 25 except SE¼ SE¼; Sections 26–29; SE¼, S½ NE¼, NE¼ NE¼ Section 30; Section 31 except NW¼ NW¼; Sections 32–35; N½ NW¼ Section 36.

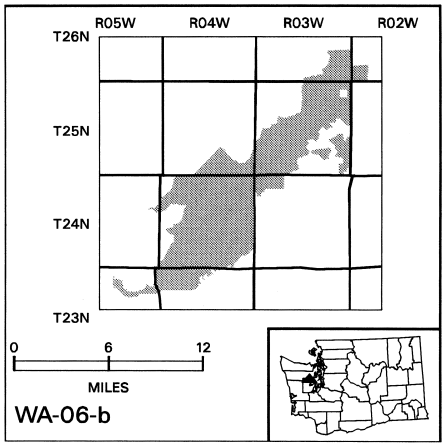
T.24N., R.05W. Willamette Meridian: SE¼ SE¼ Section 12; N½ NW¼, NE¼ Section 13.

T.25N., R.03W. Willamette Meridian: Section 1 except E½ SW¼, W½ SE¼; Sections 2–3; E½ E½ Section 4; E½ E½ Section 9; Sections 10–12; N½, N½ SE¼, SE¼ SE¼ Section 13; Sections 14–15; Section 16 except NW¼ NW¼; SE¼ NW¼, S½, S½ NE¼ Section 17; SE¼ SE¼ Section 18; E½ NW¼, S½ SW¼, NE¼ SW¼, E½ Section 19; Sections 20–21; Section 22 except S½ SE¼; SE¼ Section 23; S½ NW¼, S½ Section 24; Section 25; S½ NW¼, SW¼, E½ SE¼, SW¼ NE¼ Section 26; NW¼, N½ S½, S½ NE¼ Section 27; Sections 28–32; Section 33 except E½ E½, SW¼ SE¼; SE¼ NW¼, E½ SW¼; NW¼ SE¼, NE¼ Section 36.

T.25N., R.04W. Willamette Meridian: E½ E½, SW¼ SE¼ Section 25; SW¼ Section 26; S½, S½ NE¼ Section 27; S½, NE¼ Section 33; Sections 34–36.

T.26N., R.02W. Willamette Meridian: Section 31.

T.26N., R.03W. Willamette Meridian: Section 25; E½ Section 26; S½ Section 34; Section 35 except W½ NW¼; Section 36.



Map and description of WA–07–a taken from United States Fish and Wildlife Service 1:100,000 map; Bellingham and Mt. Baker, Washington; 1995.

Critical Habitat includes only Federal lands designated as Late Successional Reserves described within the following areas:

T.37N., R.06E. Willamette Meridian: NE¼ Section 1.

T.37N., R.07E. Willamette Meridian: W½, W½ E½ Section 3; Sections 4–5; N½, N½ SE¼ Section 6; NE¼ NW¼, N½ NE¼ Section 8; NE¼ NW¼, NW¼ NE¼ Section 10.

T.38N., R.06E. Willamette Meridian: Section 1; Sections 12–13; E½, E½ W½ Section 36.

T.38N., R.07E. Willamette Meridian: NW¼, N½ SW¼, SW¼ SW¼ Section 3; Sections 4–8; Section 9 except S½ SE¼; W½ NW¼ Section 10; NW¼ Section 16; Section 17 except E½ SE¼; Sections 18–19; NW¼, W½ NE¼, NW¼ SW¼ Section 20; SW¼, W½ SE¼ Section 27; E½ SE¼ Section 28; SW¼ SW¼ Section 29; Section 30 except NE¼ SE¼; Sections 31–33; W½ Section 34.

T.39N., R.06E. Willamette Meridian: Section 25; Section 36.

T.39N., R.07E. Willamette Meridian: Sections 1–4; Section 5 except SW¼ SW¼, SE¼ SE¼; E½ Section 8; Sections 9–12; Sections 14–15; N½, SE¼ Section 16; NE¼ Section 17; Section 21 except NW¼; W½ Section 22; NE¼ NW¼, N½ NE¼ Section 23; W½, SW¼ NE¼ Section 27; Section 28; W½ SW¼ Section 30; Sections 31–33; W½ Section 34.

T.39N., R.08E. Willamette Meridian: Sections 1–12; W½ Section 15; Sections 16–17; SE¼ SW¼, SE¼, S½ NE¼, NE¼ NE¼ Section 19; Sections 20–21; W½ Section 22.

T.39N., R.09E. Willamette Meridian: N½ NW¼, SW¼ NW¼, NW¼ SW¼, S½ SW¼, N½ NE¼ Section 3; Sections 4–8; Section 9 except SW¼ SE¼; Section 10 except E½ E½; SW¼ NW¼, NW¼ SW¼ Section 14; NE¼ NW¼, NE¼ SE¼, NE¼ Section 15; W½ Section 16; Section 17; NE¼, N½ SE¼, SE¼ SE¼ Section 18; NE¼ NW¼, NE¼ Section 20; NW¼, N½ SW¼, W½ NE¼ Section 21.

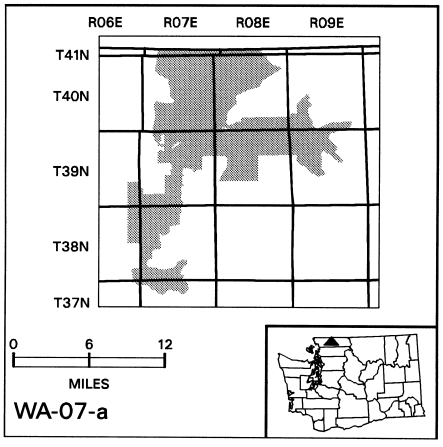
T.40N., R.07E. Willamette Meridian: Sections 1–4; E½, E½ W½ Section 5; E½ NW¼, N½ SE¼, NE¼ Section 8; Section 9 except SW¼ SW¼; Sections 10–15; E½ NW¼, E½ Section 16; SE¼, E½ SW¼ Section 20; SW¼, E½ Section 21; Sections 22–28; E½ W½, E½ Section 29; Sections 32–36.

T.40N., R.08E. Willamette Meridian: Section 2 except NE¼, NE¼ NW¼, NE¼ SE¼; Sections 3–10; Section 11 except S½ SE¼; NW¼ Section 12; NW¼, N½ SW¼, NW¼ SE¼, NE¼ Section 15; Sections 16–20; NW¼, W½ SW¼, NW¼ NE¼ Section 29; Sections 30–31; S½, W½ NW¼, S½ NE¼ Section 32; Section 33 except NW¼ NW¼; Sections 34–36.

T.40N., R.09E. Willamette Meridian: SE¼ SE¼ Section 19; S½ NW¼, SW¼, W½ E½ Section 20; Section 29 except E½ SE¼, SE¼ NE¼; S½ SW¼, NE¼ SW¼, S½ SE¼, NE¼ SE¼, E½ NE¼ Section 30; Sections 31–32; S½ S½, N½ SE¼ Section 33; Section 34 except N½ N½; S½ N½, SW¼, N½ SE¼, SW¼ SE¼ Section 35.

T.41N., R.07E. Willamette Meridian: Sections 32–36.

T.41N., R.08E. Willamette Meridian: Sections 31–34, W½ SW¼ Section 35.



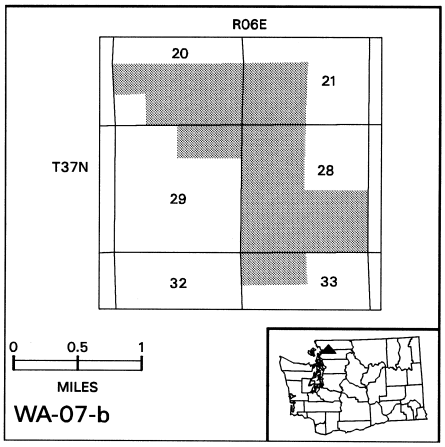
Map and description of WA–07–b taken from United States Fish and Wildlife Service 1:100,000 map; Bellingham, Washington; 1995.

Critical Habitat includes only State or County lands described within the following areas:

T.37N., R.06E. Willamette Meridian: SW¼ SW¼ Section 20; NE¼ NE¼ Section 28.

Critical Habitat includes only Private lands described within the following areas:

T.37N., R.06E. Willamette Meridian: N½ SW¼, SE¼ SW¼, SE¼ Section 20; SW¼ Section 21; Section 28 except NE¼; N½ NE¼ Section 29; N½ NW¼ Section 33.



Map and description of WA–07–c taken from United States Fish and Wildlife Service 1:100,000 map; Mt Baker and Sauk River, Washington; 1995.

Critical Habitat includes only Federal lands designated as Late Successional Reserves described within the following areas:

T.35N., R.09E. Willamette Meridian: Sections 1–2; E½ W½, E½ Section 11; Section 12; NE¼ NE¼ Section 13; NE¼ NW¼, N½ NE¼ Section 14.

T.35N., R.10E. Willamette Meridian: W½ NW¼, SE¼ NW¼, SW¼, S½ SE¼ Section 6; Section 7; Section 8 except N½ NE¼; W½ SW¼ Section 9; N½ NW¼ Section 17; N½ NE¼, NW¼ Section 18.

T.36N., R.07E. Willamette Meridian: Section 1; E½ SE¼, NE¼ Section 2; Section 3; E½ E½ Section 4.

T.36N., R.08E. Willamette Meridian: Section 5; W½ W½ Section 6.

T.36N., R.09E. Willamette Meridian: Sections 1–4; E½ Section 5; Section 8 except S½ SE1/4; W½ NW¼, NW¼ SW¼, NE¼ NE¼ Section 9; N½ NW¼, N½ SE¼, SE¼ SE¼, NW¼ NE¼ Section 10; Section 11 except S½ NW¼, NE¼ NW¼; Sections 12–15; Sections 21–24; S½ NW¼ Section 26; Section 27 except SW¼ SW¼; Section 28 except SE¼ SE¼; S½, S½ NE¼, SE¼ NW¼ Section 33.

T.36N., R.10E. Willamette Meridian: SW¼ SW¼ Section 5; S½ S½ Section 6; Section 7; W½ W½ Section 8; W½, W½ SE¼ Section 17; Sections 18–20; SW¼ Section 21; W½ Section

28; Sections 29–30; N½, SW¼ Section 31; N½ N½ Section 32; N½ NW¼ Section 33.

T.37N., R.07E. Willamette Meridian: S½ SE¼ Section 9; S½, S½ NE¼ Section 10; S½, NE¼ Section 11; SW¼ NW¼, NW¼ SW¼ Section 12; W½ NW¼, W½ SW¼, SE¼ SW¼, S½ SE¼ Section 13; Sections 14–15; Section 16 except NW¼ NW¼; E½ SE¼ Section 17; NE¼ NE¼ Section 20; Sections 21–27; Section 28 except E½ E½, SE¼ SW¼; E½, NE¼ NW¼ Section 33; Sections 34–36.

T.37N., R.08E. Willamette Meridian: Sections 1–3; N½ NW¼, SE¼ NW¼, N½ SE¼ SE¼ SE¼, NE¼ Section 4; NE¼ SW¼, SE¼, S½ NE¼ Section 7; S½ Section 8; Section 9 except N½ NW¼; Sections 10–16; N½, N½ SE¼ Section 17; SW¼ SW¼, NE¼ NE¼ Section 18; Section 19; Section 20 except NE¼ NE¼; Section 21 except NW¼ NW¼; Sections 22–36.

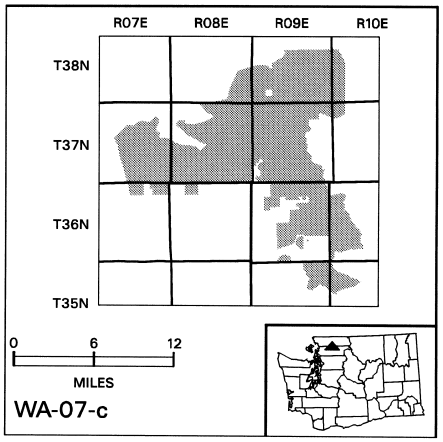
T.37N., R.09E. Willamette Meridian: Sections 1–10; N½ N½, SW¼ NW¼, W½ SW¼, SE¼ SW¼ Section 11; NE¼ NE¼ Section 12; N½ NW¼, W½ SW¼ Section 14; Sections 15–22; W½ W½, SE¼ SW¼ Section 23; SW¼ SW¼ Section 25; W½, SE¼ Section 26; Sections 27–29; Section 30 except SW¼ SW¼; Section 31 except NW¼ NW¼, S½ NW¼, SW¼ SW¼; Sections 32–35; W½ Section 36.

T.37N., R.10E. Willamette Meridian: Section 6; N½ NW¼, NW¼ NE¼ Section 7.

T.38N., R.08E. Willamette Meridian: E½ SE¼ Section 23; S½, S½ NE¼ Section 24; Section 25; E½, E½ SW¼ Section 26; S½ SW¼ Section 33; S½ S½ Section 34; Section 35 except W½ NW¼; Section 36.

T.38N., R.09E. Willamette Meridian: Sections 13–15; Section 16 except W½ NW¼; S½ SE¼ Section 17; Section 19 except N½ N½; Section 20 except N½ NW¼; Sections 21–31; Section 32 except NW¼; Sections 33–36.

T.38N., R.10E. Willamette Meridian: Section 18 except N½ NE¼; Section 19; Sections 30–31.



Map and description of WA–07–d taken from United States Fish and Wildlife Service 1:100,000 map; Cape Flattery, Mt Baker and Sauk River, Washington; 1995.

Critical Habitat includes only Federal lands designated as Late Successional Reserves described within the following areas:

T.34N, R.12E. Willamette Meridian: Sections 1–3; NE¼ NW¼, N½ NE¼ Section 10; N½ N½ Section 11; N½ NW¼, NW¼ NE¼ Section 12.

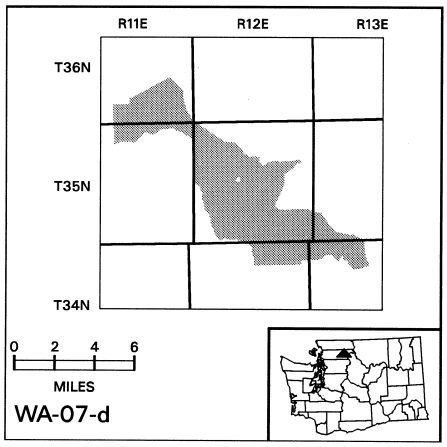
T.34N, R.13E. Willamette Meridian: W½ Section 4; Sections 5–6; N½ NW¼, N½ NE¼, SE¼ NE¼, NE¼ SE¼ Section 8; NW¼, W½ NE¼ Section 9.

T.35N, R.11E. Willamette Meridian: N½, N½ SE¼ Section 1; N½, NW¼ SW¼ Section 2; N½, N½ SW¼, SW¼ SW¼ Section 3; Section 4.

T.35N, R.12E. Willamette Meridian: S½ SW¼, NW¼ SW¼ Section 5; W½, SE¼, S½ NE¼ Section 6; Sections 7–8; Section 9 except NE¼, NE¼ SE¼, NE¼ NW¼; SW¼ SW¼ Section 10; N½ NW¼, SW¼ NW¼ Section 13; Section 14 except S½ SE¼; Sections 15–18; Section 19 except SW¼ NW¼, W½ SW¼; Sections 20–22; NW¼, N½ SW¼, SW¼ SW¼ Section 23; S½, S½ N½ Section 25; S½, S½ N½, NW¼ NW¼ Section 26; Sections 27–29; NE¼, E½ SE¼ Section 30; NE¼ NW¼ Section 31; Sections 32–36.

T.35N, R.13E. Willamette Meridian: SW¼, SW¼ SE¼ Section 30; Section 31 except NE¼ NE¼; SW¼, S½ SE¼ Section 32; S½ SW¼ Section 33.

T.36N, R.11E. Willamette Meridian: SE¼ SW¼, SE¼ Section 23; SW¼ SW¼ Section 24; W½ Section 25; Section 26; Section 27 except N½ NW¼, NW¼ NE¼; E½ SE¼ Section 28; Sections 33–35; Section 36 except E½ NE¼.



Map and description of WA–08–a taken from United States Fish and Wildlife Service 1:100,000 map; Bellingham, Mt. Baker and Sauk River, Washington; 1995.

Critical Habitat includes only Federal lands designated as Late Successional Reserves described within the following areas:

T.32N., R.08E. Willamette Meridian: N½ Section 1; N½ Section 3; NW¼ NW¼, S½ NW¼, NE¼ Section 4; N½ Section 5; N½ Section 6.

T.33N., R.08E. Willamette Meridian: Sections 1–30; Section 31 except S½ SE¼; Section 32; Section 33 except S½ SE¼; Section 34 except SE¼ SW¼; Section 35; Section 36 except N½ SE¼, SE¼ NE¼.

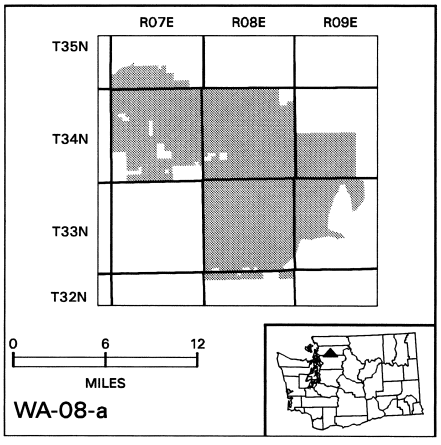
T.33N., R.09E. Willamette Meridian: W½, W½ E½ Section 2; Section 3 except S½ SW¼; Sections 4–8; Section 9 except E½ SE¼, SE¼ NE¼; E½ E½, NW¼ NE¼ Section 10; W½, NW¼ SE¼, W½ NE¼ Section 11; NW¼ NW¼ Section 14; NE¼ NE¼ Section 15; W½ Section 16; Sections 17–20; Section 21 except NE¼; S½ SW¼ Section 22; N½ NW¼ Section 29; NW¼, W½ SW¼, N½ NE¼ Section 30.

T.34N., R.07E. Willamette Meridian: Sections 1–6; Section 7 except N½ SE¼, SE¼ SE¼; Section 8 except SW¼ SW¼; Sections 9–15; Section 16 except W½ E½; Sections 17–21; Section 22 except SW¼; Sections 23–26; S½ Section 27; Sections 28–29; N½ NW¼, S½, NW¼ NE¼ Section 32; Section 33; Section 34 except SW¼ NE¼.

T.34N., R.08E. Willamette Meridian: Sections 2–11; Section 12 except N½ NW1/4; Sections 13–28; Section 29 except S½ NW¼, N½ SW¼; Section 30 except SE¼ NW¼, N½ SW¼, SW¼ NE¼; Sections 31–36.

T.34N., R.09E. Willamette Meridian: Sections 19–22; Sections 27–34.

T.35N., R.07E. Willamette Meridian: S½ SW¼, NE¼ SW¼ Section 27; S½ Section 28; Section 29 except NW¼ NW¼, NE¼; SE¼ SW¼, SE¼ Section 30; Sections 31–34; S½ Section 35.



Map and description of WA–08–b taken from United States Fish and Wildlife Service 1:100,000 map; Sauk River, Washington; 1995.

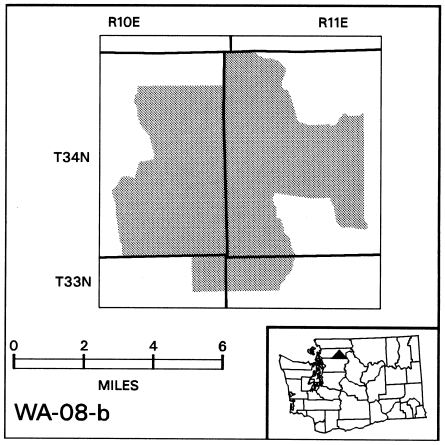
Critical Habitat includes only Federal lands designated as Late Successional Reserves described within the following areas:

T.33N., R.10E. Willamette Meridian: Section 1.

T.33N., R.11E. Willamette Meridian: Section 5 except E½ SE¼; Section 6.

T.34N., R.10E. Willamette Meridian: SE¼ NW¼, NE¼ SW¼, E½ Section 10; Sections 11–14; NW¼ NE¼, E½ E½ Section 15; E½ SE¼ Section 21; Section 22 except NW¼, NW¼ NE¼; Sections 23–27; NW¼ NE¼, E½ E½ Section 28; NE¼ SE¼, E½ NE¼ Section 33; Sections 34–36.

T.34N., R.11E. Willamette Meridian: Section 5 except N½ NE¼, NE¼ NW¼; Sections 6–8; W½ SW¼ Section 9; S½ SE¼, SE¼ SW¼ Section 10; SW¼ SW¼ Section 11; W½ W½ Section 14; Section 15 except NW¼ NW¼; Section 16 except N½ NE¼; Sections 17–22; W½ W½ Section 23; W½ W½ Sections 26–27 except W½ SW¼; N½ Section 28; W½, N½ NE¼, SE¼ NE¼, W½ SE¼ Section 29; Sections 30–31; Section 32 except NE¼ NE¼; NE¼ NW¼, N½ NE¼ Section 34; NW¼ NW¼ Section 35.

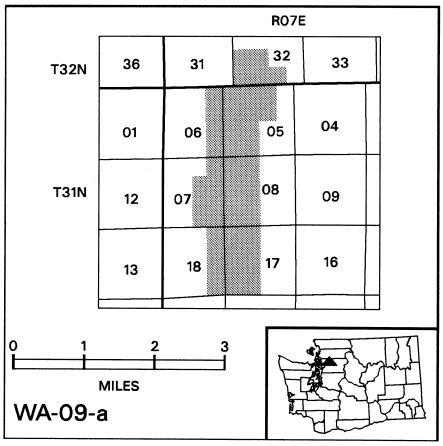


Map and description of WA–09–a taken from United States Fish and Wildlife Service 1:100,000 map; Sauk River, Washington; 1995.

Critical Habitat includes only Federal lands described within the following areas:

T.31N., R.07E. Willamette Meridian: W½, W½ NE¼ Section 5; E½ E½ Section 6; SE¼, S½ NE¼, NE¼ NE¼ Section 7; W½ Section 8; W½ Section 17; E½ E½ Section 18.

T.32N., R.07E. Willamette Meridian: SW¼, SW¼ SE¼ Section 32.



Map and description of WA–09–b taken from United States Fish and Wildlife Service 1:100,000 map; Sauk River, Washington; 1995.

Critical Habitat includes only Federal lands designated as Late Successional Reserves described within the following areas:

T.29N., R.09E. Willamette Meridian: Section 1; N½ Section 2; Sections 3–6; N½ Section 7; N½ Section 8; N½ Section 9; NW¼ Section 10.

T.29N., R.10E. Willamette Meridian: Sections 1–3; W½ Section 6; Sections 11–13.

T.29N., R.11E. Willamette Meridian: W½ NW¼ Section 2; NE¼, NE¼ NW¼ Section 3; NW¼ NW¼ Section 5; Sections 6–7; W½ NW¼, SW¼, S½ SE¼, NW¼ SE¼ Section 17; Section 18; N½ NW¼, SE¼ NW¼, NE¼, N½ SE¼ Section 19; N½, N½ SW¼, NW¼ SE¼ Section 20.

T.30N., R.08E. Willamette Meridian: Sections 1–3; N½ Section 4; N½ Section 5; N½, SE¼ Section 11; Sections 12–13; E½ Section 14; SW¼ Section 15; Sections 16–17; Section 18 except S½ NW¼, N½ SW¼; Sections 19–26; N½ Section 27; N½ Section 28; N½, SE¼ Section 35.

T.30N., R.09E. Willamette Meridian: NW¼, SE¼, N½ NE¼, SW¼ NE¼ Section 1; E½ NE¼ Section 2; W½, SW¼ SE¼, N½ NE¼ Section 6; Section 7; S½ NW¼, S½, SW¼ NE¼ Section 8; S½ SE¼ Section 9; S½ SW¼ Section 10; E½ NW¼, NE¼ Section 12; S½ NW¼, SW¼, W½ SE¼ Section 14; Section 15; Section 16 except NW¼ NW¼; SE¼, S½ NE¼ Section 17; W½ Section 18; Section 19 except W½ NE¼; Section 20 except NE¼ NW¼, SW¼; Sections 21–22; Section 23 except NE¼ NE¼; S½ NW¼, S½, SE¼ NE¼ Section 24; Sections 25–36.

T.30N., R.10E. Willamette Meridian: Sections 1–6; N½, NE¼ SE¼ Section 7; Sections 8–17; E½ Section 18; Sections 19–28; N½, N½ SE¼ Section 29; Section 30 except SE¼ SE¼; Section 31 except N½ NE¼; SW¼ NW¼, NW¼ SW¼ Section 32; NE¼, E½ NW¼, N½ SE¼, SE¼ SE¼ Section 33; Sections 34–36.

T.30N., R.11E. Willamette Meridian: SW¼ SE¼, S½ NW¼, SW¼ Section 5; Sections 6–8; SW¼ NW¼, NE¼ SW¼, SE¼ Section 9; Section 10 except N½ NW¼, SW¼ NW¼, NW¼ NE¼; Section 15 except SE¼ SE¼; Sections 16–22; NW¼ NW¼ Section 27; Section 28 except E½ SE¼, SE¼ NE¼; Sections 29–31; Section 32 except SE¼; Section 33 except SW¼ SW¼; Section 34 except NE¼, N½ NW¼, SE¼ NW¼, NE¼ SE¼.

T.31N., R.07E. Willamette Meridian: S½ SW¼, SW¼ SE¼ Section 1; Sections 12–13.

T.31N., R.08E. Willamette Meridian: W½ SW¼ Section 3; S½ Section 4; S½ Section 5; SE¼ SE¼ Section 6; Section 7; Section 8 except S½ SE¼; N½, NW¼ SW¼ Section 9; W½ NW¼ Section 10; W½, W½ SE¼ Section 17; Sections 18–21; Section 22 except NE¼ NE¼; S½ NW¼, SW¼, W½ SE¼ Section 23; Section 25 except N½ NE¼, SE¼ NE¼; Sections 26–36.

T.31N., R.09E. Willamette Meridian: Section 1; E½ E½, NW¼ NE¼ Section 2; E½, E½ SW¼ Section 3; E½ NW¼, NE¼ SW¼, W½ NE¼ Section 10; NE¼ NW¼, SE¼ SW¼, E½ Section 12; Section 13 except W½ NW¼; Section 23 except N½ NW¼; Sections 24–26; S½ Section 27; N½ SE¼, SE¼ SE¼, S½ NE¼ Section 28; W½, SW¼ SE¼ Section 31; N½ NW¼, E½ Section 35; Section 36.

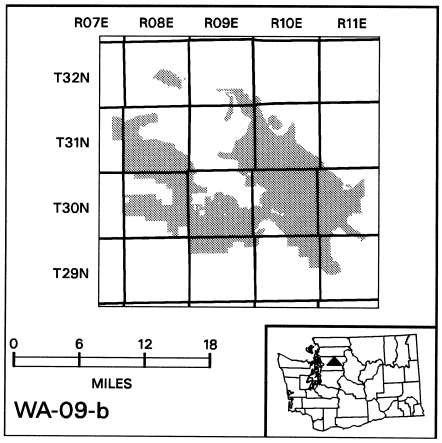
T.31N., R.10E. Willamette Meridian: Section 6 except E½ E½; Sections 7–8; W½ NW¼, SW¼, W½ SE¼ Section 9; SE¼ SW¼, SW¼ SE¼ Section 10; Section 15 except E½ E½; NW¼, S½ SE¼, NE¼ SE¼ Section 16; Sections 17–21; Section 22 except E½ NE½; SW¼ SW¼ Section 23; SW¼, S½ SE¼, SW¼ NW¼ Section 25; Section 26 except NE¼ NE¼; Sections 27–36.

T.31N., R.11E. Willamette Meridian: W½ NW¼, SW¼ Section 31.

T.32N., R.08E. Willamette Meridian: SW¼ Section 14; S½ Section 15; E½ NE¼ Section 21; N½, N½ SW¼, SE¼ Section 22; Section 23 except NE¼ NE¼; W½ SW¼, NW¼ SE¼, SW¼ NE¼ Section 24; W½ NW¼ Section 25; N½ N½ Section 26.

T.32N., R.09E. Willamette Meridian: S½ Section 26; N½ SW¼, SE¼ SW¼, SE¼ Section 27; N½ SE¼ Section 28; E½ Section 34; E½, N½ NW¼, SE¼ NW¼, NE¼ SW¼ Section 35; Section 36 except NE¼, NE¼ SE¼.

T.32N., R.10E. Willamette Meridian: Section 31 except E½ E½, NW¼ NE¼, NE¼ NW¼.



Map and description of WA–09–c taken from United States Fish and Wildlife Service 1:100,000 map; Sauk River and Skykomish River, Washington; 1995.

Critical Habitat includes only Federal lands designated as Late Successional Reserves described within the following areas:

T.27N., R.09E. Willamette Meridian: E½ NW¼, NE¼ Section 1.

T.27N., R.10E. Willamette Meridian: N½ N½ Section 6.

T.28N., R.09E. Willamette Meridian: S½ S½ Section 23; S½ SW¼ Section 24; Section 25; Section 26 except N½, SW¼ SW¼; SE¼ SW¼, S½ SE¼, NE¼ SE¼, NE¼ NE¼ Section 36.

T.28N., R.10E. Willamette Meridian: S½ Section 19; Section 20 except NW¼ NW¼; SW¼ NW¼, W½ SW¼ Section 21; SE¼ SE¼ Section 23; S½ SW¼ Section 24; NW¼, N½ SW¼, W½ NE¼ Section 25; S½ NW¼, SW¼, W½ SE¼, NE¼ SE¼, NE¼ Section 26; S½ Section 27; NW¼, NW¼ NE¼ Section 29; N½, SW¼ Section 30; Section 31 except SW¼ NW¼; Section 32 except E½ E½.

T.29N., R.08E. Willamette Meridian: SE¼ SW¼, SW¼ SE¼ Section 22; NE¼ SE¼ Section 25; NW¼, N½ NE¼ Section 27; E½ NE¼ Section 28.

T.29N., R.09E. Willamette Meridian: Section 30 except N½ N½.

Critical Habitat includes only State or County lands described within the following areas:

T.27N., R.09E. Willamette Meridian: NW¼ NW¼, SW¼ Section 2; N½, NE¼ SW¼, SE¼ Section 3; NE¼ NE¼ Section 4; N½ NE¼, SE¼ NE¼ Section 10; NW¼, S½ SW¼, SE¼, S½ NE¼ Section 11; Section 12; Section 13 except SE¼ SE¼; N½ NW¼, N½ SE¼, NE¼ Section 14.

T.27N., R.10E. Willamette Meridian: Section 7; S½ Section 8; Section 9 except N½ NW¼; NW¼, N½ SW¼, SW¼ SW¼ Section 10; N½ NW¼ Section 16; N½, NW¼ SW¼ Section 17; Section 18 except W½ SW¼, SE¼ SE¼.

T.28N., R.08E. Willamette Meridian: Sections 1–2; Section 3 except N½ NW¼; Sections 4–5; W½ SW¼, SE¼ SW¼ Section 6; Section 7; E½ SE¼, NE¼ Section 8; SE¼ SW¼, E½ E½, SW¼ SE¼, NW¼ NE¼ Section 9; Sections 10–12; N½ N½, NW¼ SE¼, S½ NE¼ Section 13; N½ Section 14; Section 15; S½ S½, E½ NE¼, NE¼ SE¼ Section 16; Section 17 except NW¼ SW¼, NW¼; Section 18 except SW¼; W½ Section 20; N½ NW¼ Section 21; NE¼ NW¼, NE¼ Section 36.

T.28N., R.09E. Willamette Meridian: Sections 1–4; S½ Section 5; N½, SW¼ Section 6; W½, W½ E½ Section 7; NE¼ Section 8; Sections 9–11; Section 12 except S½ SE¼; S½ S½, NE¼ SE¼ Section 13; Sections 14–16; N1/2 NW¼, SE¼ NW¼, E½ Section 17; SW¼, W½ SE¼, SE¼ SE¼ Section 20; Section 21; Section 27; Section 28 except E½ SW¼; Section 29 except NW¼; N½ NW¼, N½ SE¼, NE¼ Section 31; N½ N½, S½ NW¼ Section 32; N½ NW¼, S½ Section 33; Section 34 except NE¼ SE¼; SW¼ Section 35.

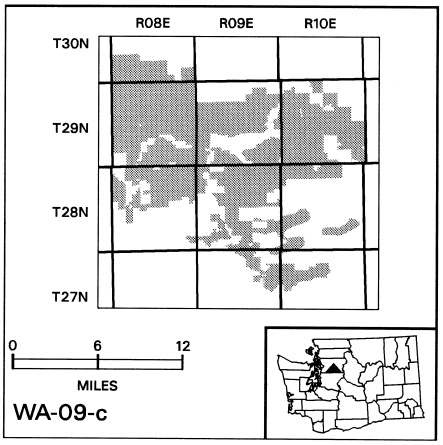
T.28N., R.10E. Willamette Meridian: W½ Section 2; Section 3; Section 4 except N½ NE¼, SW¼ NE¼; Sections 5–6; NW¼ Section 7.

T.29N., R.08E. Willamette Meridian: Sections 1–21; Section 22 except SE¼ SW¼, S½ SE¼; Section 23 except SW¼ SW¼; Section 24; N½ NW¼, SE¼ NW¼, NE¼, S½ S½ Section 25; SW¼ NW¼, SW¼, S½ SE¼, N½ NE¼ Section 26; Section 27 except NW¼, N½ NE¼; N½ NW¼, SE¼ Section 28; Sections 29–30; Sections 32–34; Section 35 except S½ SW¼; Section 36.

T.29N., R.09E. Willamette Meridian: S½ Section 2; S½ Section 7; S½ Section 8; S½ Section 9; S½, NE¼ Section 10; Sections 11–12; W½ NW¼, SE¼ SW¼, SE¼, E½ NE¼ Section 13; Sections 14–19; Section 20 except S½ SW¼; Section 21; Section 22 except S½ S½; Section 23 except S½ S½; NE¼ Section 24; Section 25; Section 26 except NW¼, N½ NE¼; SE¼ SW¼, S½ SE¼ Section 27; S½ SW¼, SW¼ SE¼ Section 29; N½ N½ Section 30; W½, NW¼ SE¼, W½ NE¼, NE¼ NE¼ Section 31; Section 32 except W½ NW¼, NW¼ SW¼; Section 33 except NE¼ NW¼, N½ NE¼; Section 34 except SW¼ NW¼, SW¼ SE¼; Sections 35–36.

T.29N., R.10E. Willamette Meridian: Section 4 except W½ SW¼; SE¼ SW¼, S½ SE¼, NE¼ SE¼ Section 6; Sections 7–8; S½ SW¼, SW¼ SE¼ Section 9; Section 10 except SE¼ SW¼; Section 14; Section 15 except N½ NW¼, NW¼ NE¼; Sections 16–24; Section 25 except SE¼ SE¼; Section 26 except NW¼ SW¼; Sections 28–33; SW¼ NW¼, W½ SW¼, SE¼ SW¼, S½ SE¼ Section 34; Section 36.

T.30N., R.10E. Willamette Meridian: S½ Section 27; S½ Section 28; Sections 29–34; SW¼ Section 35; Section 36.



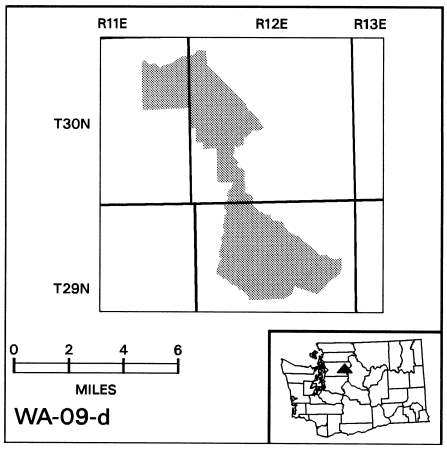
Map and description of WA–09–d taken from United States Fish and Wildlife Service 1:100,000 map; Sauk River, Washington; 1995.

Critical Habitat includes only Federal lands designated as Late Successional Reserves described within the following areas:

T.29N., R.12E. Willamette Meridian: SW¼ Section 3; Section 4 except N½ NE¼; Section 5; Sections 8–10; SW¼, SW¼ SE¼ Section 11; Section 13 except E½, SE¼ SW¼; Sections 14–17; NE¼ SE¼ Section 18; NE¼ Section 20; N½, N½ N½ Section 21; N½, N½ SW¼ Section 22; N½ Section 23; NW¼ NW¼ Section 24.

T.30N., R.11E. Willamette Meridian: S½ SW¼, SE¼ Section 1; S½ S½ Section 2; Sections 11–12; N½ Section 13; N½ Section 14.

T.30N., R.12E. Willamette Meridian: S½ Section 6; Section 7; SW¼ NW¼, SW¼, SW¼ SE¼ Section 8; SW¼ NW¼, SW¼ Section 16; Sections 17–18; N½ NW¼, E½, SE¼ NW¼, NE¼ SW¼ Section 19; Section 20; NW¼, NW¼ SW¼, W½ NE¼ Section 21; Section 29 except E½ NE¼; N½ NW¼, E½ SW¼, E½ Section 32; W½ SW¼, SE¼ SW¼ Section 33.



Map and description of WA–09–e taken from United States Fish and Wildlife Service 1:100,000 map; Sauk River, Washington; 1995.

Critical Habitat includes only Federal lands designated as Late Successional Reserves described within the following areas:

T.31N., R.11E. Willamette Meridian: N½ Section 1; N½ NW¼, SW¼ NW¼, SW¼, N½ NE¼ Section 2; Section 3; Section 4 except SE¼ SE¼; E½ NW¼, E½ Section 5; N½ NW¼, W½ NE¼ Section 9; E½ NW¼, E½ Section 10; W½, W½ SE¼ Section 11; W½, W½ NE¼, SE¼ Section 14; E½ SW¼, E½ Section 15; E½ NW¼, NE¼ Section 22; N½ N½ Section 23.

T.31N., R.12E. Willamette Meridian: N½ NE¼ Section 4; NW¼, W½ NE¼ Section 5; N½, N½ SE¼ Section 6.

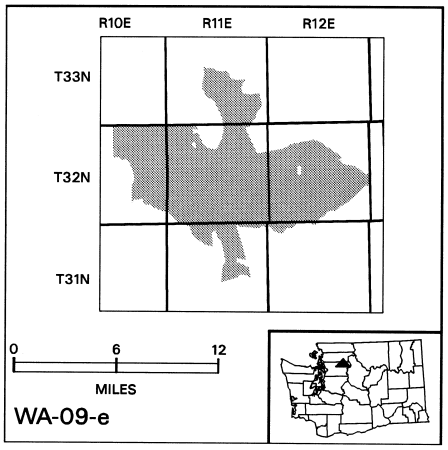
T.32N., R.10E. Willamette Meridian: Sections 1–3; Sections 10–14; N½ N½, SE¼ NE¼ Section 15; Sections 23–25; N½, SE¼ Section 26; N½ NE¼ Section 36.

T.32N., R.11E. Willamette Meridian: NW¼ NW¼ Section 1; Section 2; E½ W½, E½ Section 3; Sections 5–8; W½ NW¼, S½ Section 9; Section 10 except NW¼ NW¼; Section 11; W½ NW¼, SE¼ SW¼, S½ SE¼ Section 12; Sections 13–30; N½, NE¼ SW¼, SE¼ Section 31; Section 32–36.

T.32N., R.12E. Willamette Meridian: S½ S½, NE¼ SE¼ Section 7; S½, S½ NE¼ Section 8; Section 9 except N½ N½; SW¼, S½ SE¼, NW¼ SE¼ Section 10; S½ SW¼ Section 13; W½, S½ SE¼ Section 14; Sections 15–16; Section 17 except SE¼ SE¼; Sections 18–19; Section 20 except NE¼ NE¼; Sections 21–23; Section 24 except NE¼ NE¼; NW¼, NW¼ SW¼, NW¼ NE¼ Section 25; Sections 26–33; N½, W½ SW¼, NE¼ SW¼ Section 34; N½ NW¼, SW¼ NW¼ Section 35.

T.33N., R.11E. Willamette Meridian: S½ SW¼, SW¼ SE¼ Section 15; E½ SW¼, SE¼ Section 16; Sections 21–22; S½ NW¼, SW¼, NW¼ SE¼, SW¼ NE¼ Section 23; W½, W½ E½ Section 25; Section 26 except NE¼ NE¼;

Section 27; E½ NW¼, E½ SE¼, NE¼ Section 28; Section 34 except W½ SW¼; Section 35; NW¼, W½ SW¼ Section 36.



Map and description of WA–10-a taken from United States Fish and Wildlife Service 1:100,000 map; Skykomish River, Washington; 1995.

Critical Habitat includes only Federal lands designated as Late Successional Reserves described within the following areas:

T.26N., R.10E. Willamette Meridian: W½ W½ Section 4; NW¼ NW¼, E½ NW¼, N½ SE¼, NE¼ Section 5; Section 7 except NE¼ NE¼; S½ SW¼, SE¼ Section 8; Section 9 except N½ N½; W½ W½, SE¼ SW¼, S½ SE¼ Section 10; S½ SW¼ Section 11; S½ Section 13; Section 14 except N½ NE¼; Sections 15–19; N½ NW¼, E½ Section 20; Sections 21–23; Section 24 except E½ NW¼, NW¼ SW¼, NW¼ NE¼; N½ N½ Section 25; N½ N½ Section 26; N½ Section 27; N½ Section 28; N½ NE¼ Section 29; W½, W½ NE¼, NE¼ NE¼ Section 30.

T.26N., R.11E. Willamette Meridian: Section 2; Sections 4–7; NW¼, W½ SW¼, NE¼ SW¼, NW¼ NE¼ Section 8; NW¼, N½ SW¼, SE¼ SW¼, N½ NE¼ Section 18; E½ Section 19; SW¼ NW¼, W½ SW¼ Section 20; NW¼ NW¼ Section 29; N½ N½ Section 30.

T.27N., R.09E. Willamette Meridian: S½ SE¼ Section 19; Section 30 except NW¼ NW¼; Section 31; W½, NW¼ SE¼, W½ NE¼ Section 32.

T.27N., R.10E. Willamette Meridian: Section 1 except NW¼ NW ¼; E½ SE¼, SW¼ SE¼ Section 2; E½, E½ SW¼ Section 11; Sections 12–13; Section 14 except SW¼; E½ SE¼ Section 15; NE¼ NE¼ Section 22; N½, N½ SW¼, SE¼ Section 23; Section 24; N½ N½, SE¼ NE¼ Section 25; SW¼ SW¼, E½ SW¼, E½ Section 26; E½ NW¼, NE¼ SW¼, E½ Section 31; Section 32; Sections 35–36.

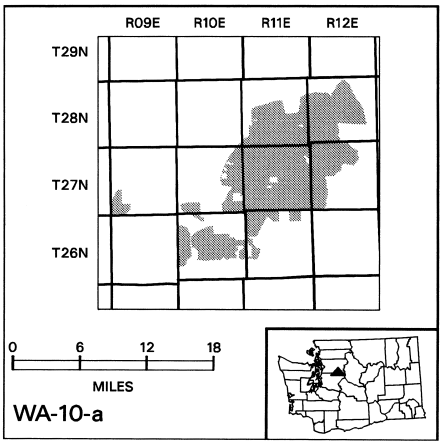
T.27N., R.11E. Willamette Meridian: Sections 1–20; W½ NW¼, N½ SW¼, SE¼ Section 21; Sections 22–36.

T.27N., R.12E. Willamette Meridian: SW¼ SW¼ Section 2; Section 3 except N½ NE¼; Sections 4–10; W½ W½, NW¼ SW¼ Section 11; N½ N½ Section 15; N½, W½ SW¼, NE¼ SW¼, NW¼ SE¼ Section 16; Sections 17–19; W½ Section 20; W½ Section 29; Sections 30–31; NW¼, N½ SW¼, SW¼ SW¼ Section 32.

T.28N., R.10E. Willamette Meridian: SW¼ SE¼, E½ SE¼ Section 36.

T.28N., R.11E. Willamette Meridian: S½ SW¼, SW¼ SE¼ Section 10; E½ SW¼, SE¼ Section 12; Section 13 except W½ W½; Section 15 except NE¼ NE¼; Section 16; S½, SE¼ NW¼, S½ NE¼ Section 17; E½ SE¼ Section 18; E½ E½, SW¼ SE¼ Section 19; Sections 20–29; E½ Section 30; Section 31 except NW¼ NW¼; Sections 32–36.

T.28N., R.12E. Willamette Meridian: S½ NW¼, SW¼, SW¼ SE¼ Section 3; SW¼ SE¼, E½ SE¼ Section 4; Section 7 except N½ N½; SW¼, W½ SE¼, SE¼ SE¼ Section 8; Section 9 except NW¼ NW¼; Section 10; SW¼ SW¼ Section 11; W½, W½ SE¼ Section 14; Sections 15–23; SW¼ NW¼ Section 25; N½ Section 26; N½ Section 27; W½, NE¼, SW¼ SE¼ Section 28; Sections 29–32; W½, W½ E½ Section 33.



Map and description of WA–10–b taken from United States Fish and Wildlife Service 1:100,000 map; Skykomish River, Washington; 1995.

Critical Habitat includes only Federal lands designated as Late Successional Reserves described within the following areas:

T.25N., R.10E. Willamette Meridian: Sections 3–5; S½, SE¼ NE¼ Section 6; Sections 7–8; W½, W½ SE¼ Section 9; NE¼ Section 10; W½, S½ SE¼ Section 16; Section 17; N½, SE¼, NE¼ SW¼ Section 18; NE¼ Section 20; N½, N½ SE¼ Section 21; W½ NW¼, SE¼ NW¼, S½ Section 22; SW¼ SW¼ Section 23; W½ SW¼, SE¼ SW¼ Section 25; NW¼, N½ SW¼, SE¼ SW¼, SE¼, S½ NE¼, NW¼ NE¼ Section 26; NE¼ NW¼, N½ SE¼, NE¼ Section 27.

T.25N., R.11E. Willamette Meridian: Sections 1–4; Sections 9–12; N½, N½ S½ Section 13; N½, N½ S½ Section 14; Section 15; N½, SW¼, N½ SE¼, SE¼ SE¼ Section 16; SE¼, SE¼ SW¼ Section 17; SE¼, S½ NE¼ Section 19; NW¼, NW¼ SW¼, N½ NE¼ Section 20; Section 22 except SW¼ SW¼; W½ W½ Section 23; NE¼ SW¼, NE¼ SE¼, N½ NE¼, SW¼ NE¼ Section 27.

T.25N., R.12E. Willamette Meridian: Sections 1–5; W½ Section 6; Section 7; Section 8 except NE¼ NW¼; Sections 9–13; N½ NW¼, N½ SE¼, NE¼ Section 14; Sections 16–20; NW¼, W½ SW¼, NE¼ SW¼, W½ NE¼, NE¼ NE¼ Section 21; W½ NW¼, NW¼ SW¼ Section 28; N½, N½ S½ Section 29; NE¼ SE¼, NE¼ Section 30.

T.25N., R.13E. Willamette Meridian: W½ W½ Section 6; W½ Section 7; W½, W½ SE¼, SW¼ NE¼ Section 18; W½ Section 19.

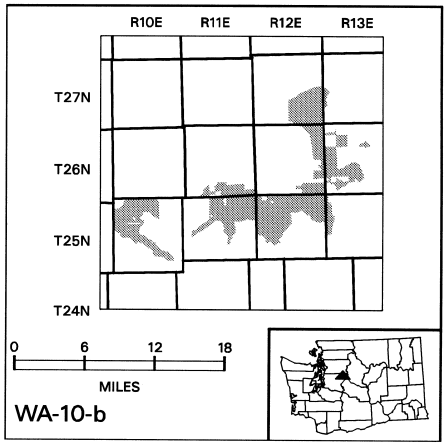
T.26N., R.11E. Willamette Meridian: S½ SW¼ Section 27; SE¼ SE¼ Section 28; S½ SW¼, E½ Section 32; N½ SW¼, NE¼ Section 33; Sections 34–35; S½ Section 36.

T.26N., R.12E. Willamette Meridian: Section 1; NW¼, E½ Section 2; N½ NE¼ Section 3; E½ E½ Section 11; Sections 12–13; E½ E½, NW¼ SE¼ Section 24; N½, N½ S½ Section 25; S½ NE¼ Section 34; Sections 35–36

T.26N., R.13E. Willamette Meridian: S½ S½, NE¼ SE¼ Section 6; Section 8; S½ Section 10; Sections 18–19; W½ W½, SE¼ SW¼, SW¼ SE¼, E½ SE¼ Section 20; S½, SE¼ NW¼, SW¼ NE¼ Section 21; W½ SW¼ Section 22; W½ Section 27; Section 28 except SW¼ SE¼; N½, NW¼ SW¼, S½ S½ Section 29; N½, SW¼ Section 30; E½ NE¼, NW¼ NE¼, NE¼ SE¼ Section 31; N½, N½ SW¼ Section 32.

T.27N., R.12E. Willamette Meridian: S½ S½ Section 13; NE¼ SW¼, S½ SW¼, SE¼ Section 22; Section 23 except NW¼ NW¼; Sections 24–27; Section 34 except SW¼ SW¼; Sections 35–36.

T.27N., R.13E. Willamette Meridian: SW¼ SW¼ Section 18; W½ Section 19; NW¼, W½ SW¼ Section 30.



Map and description of WA–10-c taken from United States Fish and Wildlife Service 1:100,000 map; Cape Flattery, Skykomish River and Snoqualmie Pass, Washington; 1995.

Critical Habitat includes only Federal lands designated as Late Successional Reserves described within the following areas:

T.20N., R.10E. Willamette Meridian: S½ N½, S½ Section 2.

T.21N., R.10E. Willamette Meridian: NE¼ NW¼, N½ NE¼ Section 36.

T.22N., R.09E. Willamette Meridian: S½ S½ Section 2; N½ NW¼, SE¼ NW¼, NE¼ Section 11; W½ NW¼, S½, NE¼ NW¼, SE¼ NE¼ Section 12.

T.22N., R.10E. Willamette Meridian: S½, NE¼, S½ NW¼ Section 13; S½, SE¼ NE¼ Section 14; W½, SE¼ Section 18; Section 20; S½ SE¼, NE¼ SE¼, E½ NE¼ Section 22; Sections 23–26; SE¼ Section 28; NE¼ NE¼ Section 34; N½ NW¼, NW¼ NE¼ Section 35; N½ N½ Section 36.

T.22N., R.11E. Willamette Meridian: S½ SW¼, SE¼ Section 18; W½ W½, NE¼ NW¼, SE¼ SW¼ Section 20.

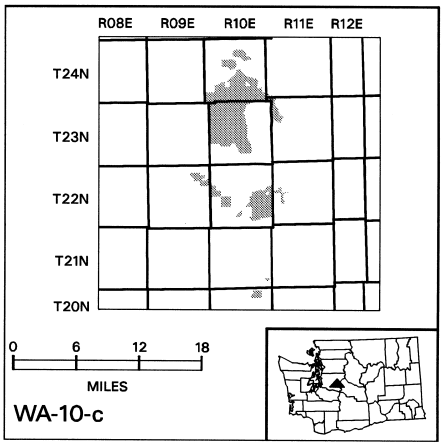
T.23N., R.10E. Willamette Meridian: NW¼ NW¼ Section 2; W½, N½ NE¼, SW¼ NE¼ Section 3; Sections 4–9; W½, SW¼ SE¼ Section 10; W½, W½ E½ Section 15; Sections 16–21; Section 22 except NE¼ SE¼, E½ NE¼; Section 27; NW¼ NW¼, E½ SE¼, NE¼ Section 28; N½ N½ Section 29.

T.23N., R.11E. Willamette Meridian: Section 6 except E½ NE¼, NE¼ SE¼; Section 7; SW¼ Section 8; W½ NW¼ Section 17; N½ NE¼, SE¼ NE¼ Section 18.

T.24N., R.10E. Willamette Meridian: S½ SE¼, NE¼ SE¼, E½ NE¼ Section 9; N½, N½ SW¼, SE¼ Section 10; SW¼, SW¼ NW¼, SW¼ SE¼ Section 11; W½ W½, SE¼ SW¼, SW¼ SE¼, NE¼ NE¼ Section 15; N½, N½ SW¼, SE¼ Section 16; E½ NE¼, NE¼ SE¼ Section 17; SE¼ SW¼, SE¼ Section 21; Section 22 except NE¼ NE¼; SW¼, SW¼ NW¼,

S½ SE¼ Section 23; SW¼ SW¼ Section 24; Section 25 except E½ SE¼, NE¼; NE¼ NW¼, S½, NE¼ Section 26; Section 27; Section 28 except NW¼; Section 29 except NW¼ NW¼; Sections 31–36.

T.24N., R.11E. Willamette Meridian: W½ SW¼, SE¼ SW¼, SW¼ SE¼ Section 31.



Map and description of WA–11–a taken from United States Fish and Wildlife Service 1:100,000 map; Snoqualmie Pass and Mt Rainier, Washington; 1995.

Critical Habitat includes only Federal lands designated as Late Successional Reserves described within the following areas:

T.17N., R.10E. Willamette Meridian: Sections 1–3; E½ E½ Section 4.

T.17N., R.11E. Willamette Meridian: W½ SW¼, SE¼ SW¼ Section 6; NE¼ NW¼ Section 7.

T.18N., R.08E. Willamette Meridian: Sections 1–2; NW¼, E½ Section 3; N½ Section 4; N½ NE¼, SE¼ NE¼ Section 10; Section 11 except S½ SW¼; Sections 12–13; S½ SW¼, NE¼ SW¼, E½ Section 14; E½ E½ Section 22; Sections 23–25; N½, N½ SE¼ Section 26; E½ NE¼ Section 27; SE¼ SW¼, SE¼ Section 36.

T.18N., R.09E. Willamette Meridian: Sections 1–30; Section 31 except NW¼ NW¼; Sections 32–36.

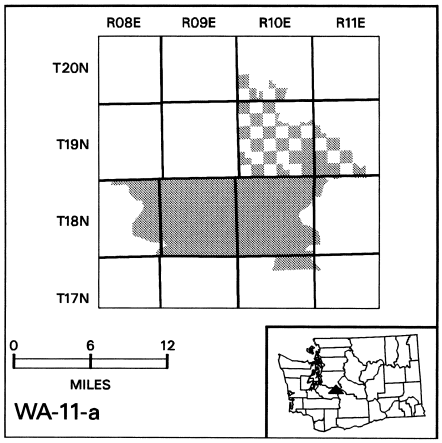
T.18N., R.10E. Willamette Meridian: Sections 1–12; NW¼, N½ SW¼, SW¼ SW¼, N½ NE¼, SW¼ NE¼ Section 13; Sections 14–23; SW¼ NW¼, NW¼ SW¼, S½ S½ Section 24; Sections 25–35; Section 36 except SE¼ NE¼.

T.18N., R.11E. Willamette Meridian: NW¼ NW¼ Section 2; N½ N½ Section 3; N½ NW¼ Section 4; N½ NE¼, SW¼ NW¼ Section 5; Section 6; NW¼, N½ SW¼, W½ NE¼ Section 7; W½ Section 30; N½ NW¼ Section 31.

T.19N., R.10E. Willamette Meridian: Section 4; Section 6; Section 8; W½, S½ SE¼ Section 10; S½ SW¼, SE¼ Section 12; Section 14; Section 16; Section 18; Section 20; Section 22; Sections 24–26; Section 28; W½, SE¼ Section 30; Section 32; W½, SE¼ Section 34; Section 36.

T.19N., R.11E. Willamette Meridian: W½, SE¼ Section 18; Section 20; Section 28; Sections 30–32, Section 34 except NW¼ NE¼.

T.20N., R.10E. Willamette Meridian: W½ SE¼, SE¼ SE¼ Section 28; Section 30; Section 32 except NW¼ SE¼, SW¼ NE¼, N½ NE¼; Section 34 except SE¼ SE¼.



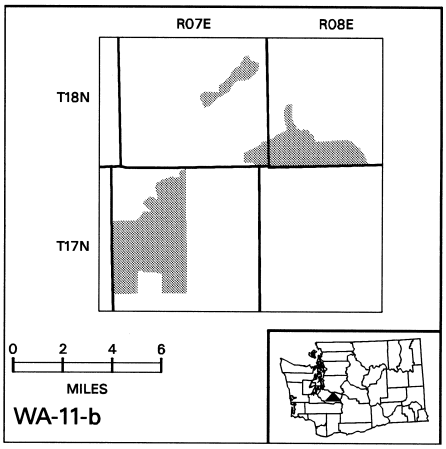
Map and description of WA–11–b taken from United States Fish and Wildlife Service 1:100,000 map; Snoqualmie Pass and Mt Rainier, Washington; 1995.

Critical Habitat includes only Federal lands designated as Late Successional Reserves described within the following areas:

T.17N, R.07E. Willamette Meridian: S½ N½, S½, NE¼ NE/14 Section 4; E½ SE¼ Section 5; Section 8 except W½ NW¼; Section 9; Sections 16–21; Section 28; N½ N½ Section 29; Section 30.

T.18N, R.07E. Willamette Meridian: SW¼, SW¼ SE¼ Section 12; NW¼, W½ NE¼ Section 13; SE¼ NW¼, SW¼, N½ SE¼, NE¼ Section 14; E½ NW¼, NE¼ SW¼, NW¼ SE¼, NE¼ Section 22; NW¼ NW¼ Section 23; Section 36 except W½ NW¼, NE¼ NW¼.

T.18N, R.08E. Willamette Meridian: SW¼ Section 20; S½ SW¼, SE¼ SW¼ Section 28; Section 29 except NE¼; S½ SW¼, NE¼ SW¼, SE¼ Section 30; Sections 31–34; SW¼ NW¼, W½ SW¼, SE¼ SW¼ Section 35.



Map and description of WA–11–c taken from United States Fish and Wildlife Service 1:100,000 map; Tacoma and Centralia, Washington; 1995.

Critical Habitat includes only Federal lands designated as Late Successional Reserves described within the following areas:

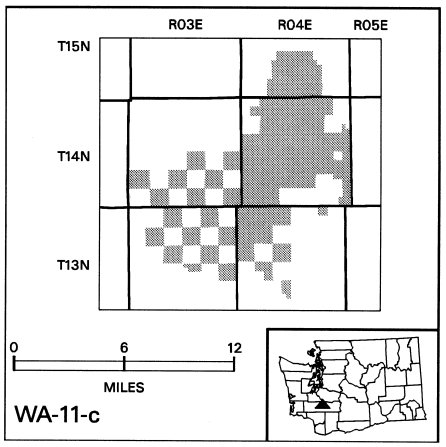
T.13N., R.03E. Willamette Meridian: Section 2; Section 4; Section 8; Section 10; Section 12; Section 14; Section 16; N½ NW¼, SE¼ NW¼, NE¼ Section 22; Section 24.

T.13N., R.04E. Willamette Meridian: NE¼ Section 2; Sections 4–8; Section 16; Section 18; N½, SE¼ Section 20; N½ SE¼, SE¼ SE¼, NE¼ Section 28.

T.14N., R.03E. Willamette Meridian: Section 22; Section 24; Section 26; Section 28; Section 30; Section 32; Section 34; Section 36.

T.14N., R.04E. Willamette Meridian: Sections 2–5; SE¼ Section 6; Sections 8–10; W½ Section 11; W½ SE¼, SE¼ SE¼ Section 12; Sections 13–23; Section 24 except NW¼; Section 25 except SW¼; N½ N½ Section 26; Sections 27–32; E½ SW¼, E½ Section 36.

T.15N., R.04E. Willamette Meridian: S½ Section 21; S½ Section 22; NW¼ NW¼, S½ NW¼, SW¼ Section 26; Sections 27–28; E½ E½ Section 29; E1/2 Section 32; Sections 33–34; W½ Section 35.



Map and description of WA–11–d taken from United States Fish and Wildlife Service 1:100,000 map; Mt. Rainier, Washington; 1995.

Critical Habitat includes only Federal lands designated as Late Successional Reserves described within the following areas:

T.13N., R.07E. Willamette Meridian: Section 10; Section 12; Section 14; Section 22.

T.13N., R.08E. Willamette Meridian: Sections 1–8; Section 9 except SE¼ SE¼; N½ N½ Section 10; N½ NW¼ NE¼ SE¼, NE¼ Section 11; N½, NW¼ SW¼ Section 12; W½, NW¼ SE¼ Section 16; Section 17; Section 18 except S½ S½; N½ NW¼, SE¼ NW¼, N½ SE¼, NE¼ Section 20; NW¼, N½ SW¼ Section 21.

T.13N., R.09E. Willamette Meridian: NW¼ NW¼ Section 3; Section 4 except S½ SE¼; Sections 5–6; N½, N½ S½ Section 7; N½, N½ SW¼ Section 8; N½ NW¼ Section 9.

T.14N., R.07E. Willamette Meridian: SW¼ NW¼, S½ Section 1; Section 2 except N½ NE¼; Section 3; S½ SW¼, SE¼ Section 4; E½ SE¼ Section 7; S½, S½ N½ Section 8; Sections 9–17; N½ NE¼, SE¼ NE¼ Section 18; Section 20 except SW¼, S½ SE¼; N½, N½ SW¼, SE¼ Section 21; Sections 22–24; Section 25 except SW¼ SW¼; Section 26 except S½ S½; N½, N½ SE¼ Section 27; NE¼ NE¼ Section 28; NE¼ SE¼, NE¼ NE¼ Section 36.

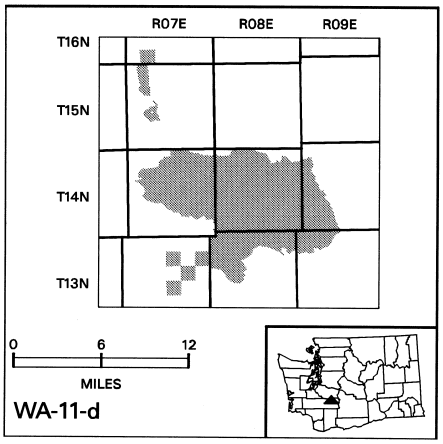
T.14N., R.08E. Willamette Meridian: S½ SE¼ Section 2; SW¼, W½ SE¼ Section 3; Section 4; Section 5 except NW¼ NW¼; SW¼ NW¼, S½ Section 6; Sections 7–36.

T.14N., R.09E. Willamette Meridian: Section 7; W½ W½ Section 8; W½, SW¼ SE¼ Section 17; Sections 18–19; Section 20 except NE¼ NE¼; W½ SW¼ Section 21; W½, W½ SE¼ Section 28; Section 29–32; Section 33 except NE¼ NE¼; SW¼ SW¼ Section 34.

T.15N., R.07E. Willamette Meridian: W½, W½ SE¼ Section 5; E½ E½ Section 6; E½ E½ Section 7; W½, W½ E½ Section 8; SW¼ SW¼ Section 16; N½ NW¼, NW¼ NE¼, E½ SE¼ Section 17; S½ NW¼, N½ SW¼, SE¼ SW¼,

E½ Section 20; W½ W½, SE¼ SW¼ Section 21; S½ S½ Section 34.

T.16N., R.07E. Willamette Meridian: Section 32.



Map and description of OR–01-a taken from United States Fish and Wildlife Service 1:100,000 map; Astoria, Nehalem River, Oregon; 1995.

Critical Habitat includes only Federal lands designated as Late Successional Reserves described within the following areas:

T.05N., R.07W. Willamette Meridian: S½ SE¼ Section 3; N½ NE¼ Section 10.

Critical Habitat includes only State lands described within the following areas:

T.08N., R.06W. Willamette Meridian: W½ SW¼, SW¼ NW¼ Section 17; Section 18 except NE¼ NE¼; Section 19; W½ W½ Section 20; W½ Section 28; E½ Section 29; NW¼, N½ SW¼ Section 30; W½ SW¼, SE¼ SW¼ Section 31; E½ Section 32; W½ Section 33.

T.08N., R.07W. Willamette Meridian: Section 13; E½ Section 14; Section 23 except NW¼; Section 24–26; Section 36.

T.07N., R.06W. Willamette Meridian: N½ SW¼, SE¼ SW¼ Section 2; W½ W½, SE¼ SW¼ Section 3; Section 4; Sections 9–11; Sections 13–14; Section 16; Sections 25–36.

T.07N., R.07W. Willamette Meridian: Sections 30–31; NW¼, S½ SW¼ Section 32.

T.07N., R.08W. Willamette Meridian: Section 22 except N½ N½; Section 23 except N½ NW¼; Section 24 except NE¼; Section 25; Section 26 except S½ SW¼; N½, N½ SW¼, SE¼ SW¼ Section 27; NE¼ Section 28; S½, NE¼ NW¼ Section 35; Section 36.

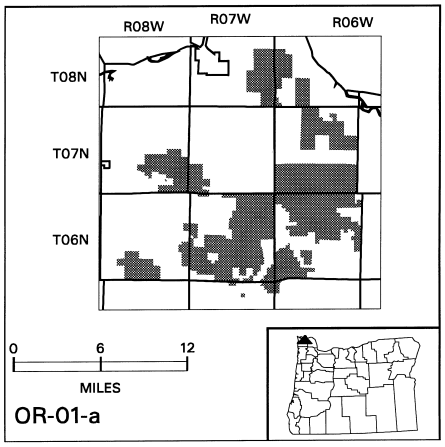
T.06N., R.06W. Willamette Meridian: Section 1 except N½ NE¼; Sections 2–6; NE¼ NE¼ Section 7; Sections 8–10; S½, NW¼ NW¼, S½ NW¼ Section 11; W½ SW¼ Section 12; Section 13 except SW¼, NE¼ NE¼; Section 14 except S½ SE¼, NW¼ SE¼; Section 15; Section 16 except SW¼ SE¼, SE¼ SW¼; Section 17 except N½ NW¼; SE¼ NE¼ Section 18; S½ SE¼, NE¼ SE¼, S½ SW¼ Section 19; E½ NE¼ Section 21; N½ N½ Section 22; N½ NW¼ Section 23; NE¼ NW¼, E½ Section 24; W½ Section 28; SW¼, W½ NW¼, E½ NE¼, SW¼ SE¼ Section 29; Sections 30–32; S½ NW¼, W½ SW¼, SW¼ NE¼ Section 33.

T.06N., R.07W. Willamette Meridian: Sections 1–3; N½ NE¼, NE¼ NW¼ Section 4; NW¼ NW¼ Section 5; N½ NE¼ Section 6; E½ SE¼ Section 9; Sections 10–15; NE¼ NE¼, S½ SW¼ Section 16; S½ S½ Section 17; W½ Section 18; S½, W½ NW¼ Section 19; Sections 20–23; W½ SW¼ Section 24; W½ NW¼, NW¼ SW¼, SE¼ SE¼ Section 25; Sections 26–28; S½, W½ NW¼ Section 29; Section 30; NE¼, N½ NW¼ Section 31; E½ SE¼, N½ Section 32; Section 33; NE¼, S½ SW¼, SE¼ SE¼ Section 34; N½ NE¼, SW¼ NE¼, E½ SW¼, SW¼ SW¼ Section 35; E½, SW¼ SW¼, E½ SW¼ Section 36.

T.06N., R.08W. Willamette Meridian: NE¼ Section 13; SE¼, E½ SW¼, S½ NE1/4 Section 24; E½ Section 25; SW¼ Section 27; Section 28 except NE¼; Section 29 except NW¼; E½ Section 32; Sections 33–34.

T.05N., R.06W. Willamette Meridian: N½ NW¼, SW¼ NW¼, NW¼ SW¼, NE¼ SW¼ Section 6.

T.05N., R.07W. Willamette Meridian: E½ NW¼, NW¼ NW¼, NE¼, N½ SE¼ Section 1; N½ NW¼ Section 3; NE¼ NE¼ Section 4.



Map and description of OR–01–b taken from United States Fish and Wildlife Service 1:100,000 map; Nehalem River, Oregon; 1995.

Critical Habitat includes only State lands described within the following areas:

T.03N., R.08W. Willamette Meridian: Sections 6–7; Sections 16–17; Section 18 south of Foss River; Sections 19–21; Sections 27–28.

T.03N., R.09W. Willamette Meridian: Section 1 except W½ NW¼; SE¼ SW¼, SE¼ Section 2; NW¼, W½ SW¼ Section 3; E½, S½ SW¼, NE¼ NW¼ Section 4; Section 5 except W½ NW¼; Section 8 except SW¼ NW¼, NW¼ SW¼; Sections 9–16; Section 21 except W½ NW¼, SE¼ NW¼; Section 23 lying N of Foss

River; E½, NW¼ Section 24 lying N of Foss River; Section 28.

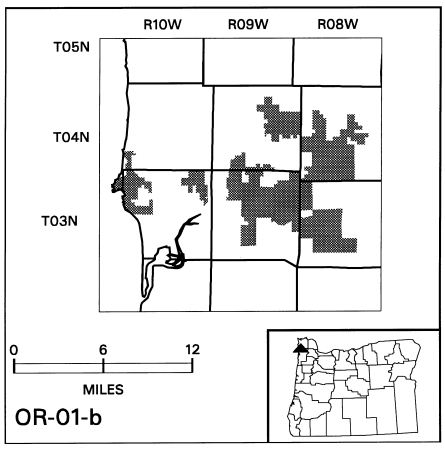
T.03N., R.10W. Willamette Meridian: W1/2 Section 1; Section 2 except NW¼; SW¼, S½ SE¼ Section 5; Section 6 except NW¼ NW¼, NE¼ NE¼; Section 7; N½ NE¼, SE¼ NE¼, NW¼ NW¼ Section 8; W½ NE¼ Section 11; Section 12 except E½ E½, W½ SW¼; NW¼ NE¼ Section 13; S½, E½ NE¼ Section 17; Section 18 except N½ NE¼, SE¼ NE¼.

T.03N., R.11W. Willamette Meridian: S1/2 Section 1; Section 12.

T.04N., R. 08W. Willamette Meridian: SW¼, S½ NW¼, NW¼ SE¼, S½ SE¼ Section 8; SE¼ Section 10; S½ S½, W½ NW¼, SE¼ NW¼ Section 14; Section 15 except NW¼; Section 17 except NW¼ SW¼; Sections 19–20; Section 21 except N½ NW¼; Section 22 except S½ NE¼, NW¼ NE¼; E½ NW¼, NW¼ NW¼, W½ NE¼ Section 23; Section 27–29; SE¼, N½ NE¼, SE¼ NE¼, NE¼ NW¼, E½ SW¼, SW¼ SW¼ Section 31; Sections 32–34.

T.04N., R.09W. Willamette Meridian Section 10 except NW1/4; SW¼ Section 11; Sections 13–14; NE¼, S½ SE¼, NE¼ SE¼ Section 15; NE¼, NW¼ SE¼ Section 22; Section 23 except S½ SE¼, NW¼ SE¼; N½, NW¼ SW¼, NW¼ SE¼ Section 24; SW¼ SW¼ Section 28; Section 32 except W½ W½, NE¼ NW¼; W½ W½, S½ SE¼, SE¼ SW¼ Section 33; Section 34 except N½, NE¼ SW¼; SW¼ SW¼ Section 35.

T.04N., R.10W. Willamette Meridian: S½ SW¼, SW¼ SE¼, SE¼ SE¼ Section 30; E½ W½, NW¼ NW¼, W½ SW¼ Section 31.



Map and description of OR–01–c taken from United States Fish and Wildlife Service 1:100,000 map; Nehalem River and Yamhill River, Oregon; 1995.

Critical Habitat includes only Federal lands designated as Late Successional Reserves described within the following areas:

T.01N., R.09W. Willamette Meridian: W½ SW¼, SE¼ SW¼, SW¼ NW¼ Section 25; SE¼, SE¼ SW¼, SE¼ NE¼ Section 26; E½ SE¼, SE¼ NE¼ Section 34; Section 35 except SW¼.

T.01S., R.08W. Willamette Meridian: Section 7 except E½ NE¼, SE¼; S½ Section 17; S½, SE¼ NE¼ Section 18; N½ N½, SW¼ NE¼, SE¼ NW¼, SE¼ SE¼ Section 19; N½ N½, NE¼ SW¼, SW¼ SW¼ Section 20; Section 21 except N½ NE¼, S½ SW¼; W½ Section 22; S½ SW¼, SE¼ NW¼, NE¼ SW¼, SW¼ NE¼, W½ SE¼ Section 27; S½ NW¼, S½ SE¼, N½ SW¼, SE¼ SW¼ Section 28; S½ NE¼, N½ SE¼, S½ SW¼, NE¼ SW¼ Section 29; NE¼, N½ NW¼, SW¼ NW¼, SE¼ SE¼ Section 30; N½ NE¼ Section 31.

T.01S., R.09W. Willamette Meridian: Section 1 except E½ E½; E½ E½, NW¼ NE¼ Section 2; N½ SW¼ Section 3; Section 4 except SE¼ SE¼; NE¼, N½ SE¼, E½ NW¼ Section 5; S½ NE¼, NW¼ NE¼, N½ NW¼, SE¼ NW¼, E½ SW¼, E½ SE¼ Section 9; S½, S½ NW¼, SW¼ NE¼ Section 10; Section 11 except N½ NE¼; NW¼, W½ SW¼, E½ NE¼, Section 12; E½ NW¼, SW¼ NE¼ Section 13; W½ NE¼, NW¼, NE¼ SW¼, SW¼ SW¼ Section 14; N½ NW¼, NE¼ NE¼ Section 15.

T.01S., R.11W. Willamette Meridian: SE¼ SE¼ Section 13.

Critical Habitat includes only State lands described within the following areas:

T.02N., R.09W. Willamette Meridian: Section 3; E½, NW¼ Section 7; S½ Section 16; Section 18 except SW¼ NW¼, N½ NW¼; Sections 19–22; Sections 29–32.

T.02N., R.10W. Willamette Meridian: E½ E½, NW¼ SE¼ Section 24; S½ SE¼ Section 25; Section 36 except NW¼ NW¼, NW¼ SW¼.

T.01N., R.09W. Willamette Meridian: Section 9; Section 16 except SW¼; SW¼, E½ SE¼ Section 19; Section 20 except NE¼ NE¼; S½ SW¼, NW¼ SW¼ Section 21; Section 26 except SE¼, SE¼ SW¼, SE¼ NE¼; Section 27; W½ Section 28; Section 29 except NW¼; Section 30; NE¼, N½ NW¼, NE¼ SE¼ Section 31; N½, S½ SE¼, NE¼ SE¼ Section 32; S½ SW¼, SE¼, N½ NW¼, SW¼ NW¼, NW¼ SW¼ Section 33; Section 34 except E½ SE¼, SE¼ NE¼, S½ SW¼, NW¼ SW¼, SW¼ NW¼; NW¼ NW¼ Section 35; Section 36.

T.01N., R.10W. Willamette Meridian: N½ NE¼ Section 1; SW¼ SW¼ Section 2; SE¼ SE¼ Section 3; E½ NE¼, NE¼ SE¼ Section 10; W½, SE¼ SE¼ Section 11; Section 13 except N½ NE¼; S½ SE¼ Section 14; SE¼, SE¼ NW¼, NE¼ SW¼ Section 22; Section 23 except W½ NW¼; Sections 24–26; E½, NW¼, E½ SW¼ Section 27; N½ NE¼ Section 34; NE¼, N½ SE¼ Section 35; NE¼ Section 36.

T.01S., R.08W. Willamette Meridian: N½ Section 6; SE¼ Section 7; SW¼ Section 16; N½ S½, SE¼ NW¼ Section 17; NW¼ NW¼, SE¼ NW¼, SW¼ NE¼, NW¼ SE¼ Section 18; Section 19 except SW¼, SW¼ NW¼, SE¼ NE¼, N½ SE¼, SW¼ SE¼; Section 20 except S½ S½, N½ N½, NE¼ SW¼; S½ SW¼, Section 21; N½ N½, SW¼ NE¼ Section 28.

T.01S., R.09W. Willamette Meridian: E½ E½ Section 1; Section 3 except N½ SW¼;

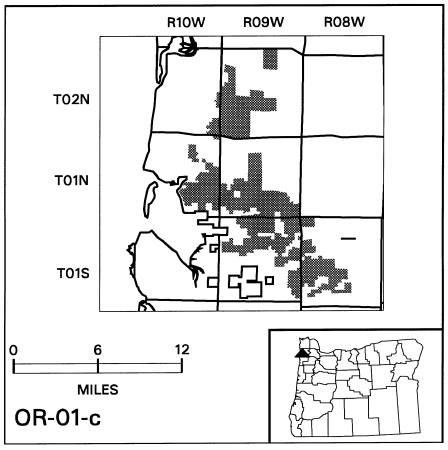
SE¼ SE¼ Section 4; S½ SE¼, NE¼ SE¼, SE¼ SW¼ Section 7; E½ SE¼ Section 8; W½ SW¼, W½ SE¼ Section 9; Section 13 except N½ NW¼, SE¼ NW¼, SW¼ NE¼; S½ SE¼, SE¼ SW¼ Section 14; N½ NE¼, NW¼ Section 16; N½, N½ SE¼ Section 17; NE¼, E½ NW¼ Section 18; NW¼, W½ NE¼ Section 23; S½ SW¼, NE¼ SE¼, S½ SE¼ Section 24; Section 25; NE¼, E½ NW¼, N½ SE¼ Section 36.

Critical Habitat includes only State owned and State managed lands described within the following areas:

NE¼, N½ SE¼, NW¼ SE¼, E½ NW¼ Section 13.

Critical Habitat includes only County lands described within the following areas:

T.01N., R.09W. Willamette Meridian: SW¼ Section 16; N½, SE¼, NE¼ SW¼ Section 21; E½ Section 28; NE¼ Section 33.



Map and description of OR–01–d taken from United States Fish and Wildlife Service 1:100,000 map; Nehalem River, Oregon; 1995.

Critical Habitat includes only State lands described within the following areas:

T.04N., R.06W. Willamette Meridian: W½ NW¼, NE¼ NW¼, NW¼ NE¼ Section 4; Section 5 except SW¼; Section 30 except NE¼; N½ NW¼, SW¼ NW¼, NW¼ NE¼ Section 31.

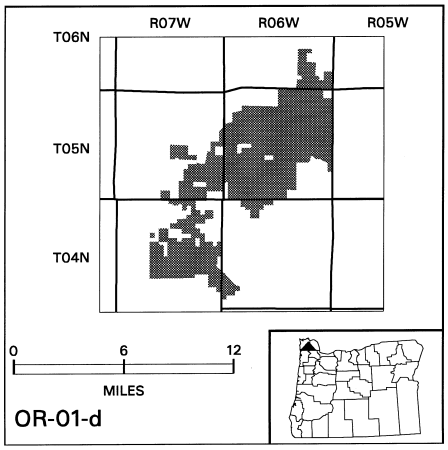
T.04N., R.07W. Willamette Meridian: SW¼, S½ NW¼ Section 1; Section 2 except NE¼, SW¼ NW¼; N½ N½, SE¼ NE¼, S½ NE¼ Section 3; SE¼, S½ NE¼, NW¼ SW¼ Section 9; N½ N½, S½ SW¼, SE¼ NE¼, SE¼ SE¼ Section 10; Section 11 except N½ NE¼, SE¼ NE¼, SW¼ SE¼, NW¼ SW¼; Section 13 except NW¼ NE¼, SE¼ SE¼; Section 14 except NW¼ NE¼; Section 15; Section 16 except E½ NE¼, NE¼ SE¼; Sections 21–22; Section 23 except S½ SE¼; Section 24 except E½ NE¼, SW¼ SW¼; NE¼, E½ NW¼, E½ SE¼ Section 25.

T.05N., R.06W. Willamette Meridian: Section 1 except NE¼; Sections 2–3; SE¼, S½ SW¼, S½ NE¼ Section 7; Sections 8–18; Section 19 except E½ NE¼; Section 20 except N½ NW¼; Sections 21–22; Section 23 except SE¼ SE¼; Section 24; E½ NE¼, NW¼ NE¼ Section 25; Sections 27–30; Section 31 except W½ W½; Sections 32–33; Section 34 except SE¼.

T.05N., R.07W. Willamette Meridian: E½ E½, SW¼ SE¼, SE¼ SW¼ Section 13; Section 22 except S½ S½; N½ SW¼ Section 23; Section 24 except NE¼, NW¼ NW¼; Sections 25–26; E½ SE¼, SE¼ NE¼ Section 27; SE¼ Section 33; E½ Section 34; Section 35 except N½ NE¼, NE¼ NW¼; N½ Section 36.

T.05N., R.08W. Willamette Meridian: S½ NW¼ Section 25; SE¼ NE¼ Section 26.

T.06N., R.06W. Willamette Meridian: S½ SW¼, SW¼ SE¼ Section 23; Section 26 except NE¼; Section 35 except SW¼ NE¼; Section 36 except N½ NW¼, SE¼ NW¼.

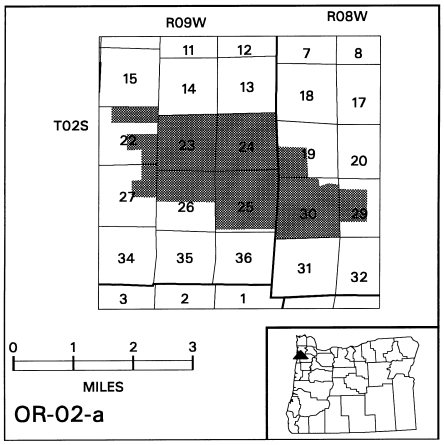


Map and description of OR–02–a taken from United States Fish and Wildlife Service 1:100,000 map; Yamhill River, Oregon; 1995.

Critical Habitat includes only State lands described within the following areas:

T.02S., R.09W. Willamette Meridian: Section 22 except SW¼, S½ NW¼, S½ NE¼, SW¼ SE¼; Sections 23–25; N½ Section 26; E½ NE¼, SW¼ NE¼ Section 27.

T.02S., R.08W. Willamette Meridian: SW¼ Section 19; N½ SW¼, NW¼ Section 29; Section 30.



Map and description of OR–02–b taken from United States Fish and Wildlife Service 1:100,000 map; Yamhill River, Oregon; 1995.

Critical Habitat includes only Federal lands designated as Late Successional Reserves described within the following areas:

T.03S., R.09W. Willamette Meridian: SW¼, W½ SE¼, SW¼ NW¼ Section 3; S½, SW¼ NW¼, SE¼ NE¼, W½ NE¼; Section 4; E½ SE¼ Section 8; Section 9; Section 10 except N½ SE¼; NW¼ Section 15; N½ Section 16; S½ NW¼, N½ SW¼ Section 19; S½ SW¼ Section 32.

T.03S., R.10W. Willamette Meridian: SE¼, E½ SW¼, S½ NE¼ Section 22; Section 23 except N½ NW¼; S½, E½ NE¼, SW¼ NW¼ Section 24; W½ NW¼ Section 25; Section 26; Section 27 except SW¼ NE¼; E½, E½ W½ Section 28; Section 32 except N½ N½, W½ SW¼; Section 33; N½ NE¼, W½ SW¼, NW¼ Section 34; Section 35 except S½ S½, NW¼ SW¼.

T.04S., R.09W. Willamette Meridian: S½ SW¼, SW¼ SE¼ Section 4; W½, W½ E½, SE¼ SE¼ Section 5; Section 6 except W½ W½; Section 7 except W½ NW¼; Sections 8–9; SW¼, SW¼ SE¼, S½ NW¼ Section 10; NW¼, W½ NE¼ Section 15; N½, SE¼ Section 16; N½ Section 17; N½ Section 18.

T.04S., R.10W. Willamette Meridian: SW¼, S½ NW¼, NW¼ NW¼, W½ E½ Section 3; E½, N½ NW¼, SE¼ NW¼, SE¼ Section 4; N½, SW¼, W½ SE¼ Section 5; E½ SW¼, E½ Section 6; N½ NE¼, NE¼ NW¼ Section 7; NE¼ Section 9.

T.05S., R.09W. Willamette Meridian: SW¼ Section 5; SE¼, SW¼ NE¼, E½ SW¼ Section 6; Section 7; W½, S½ SE¼, NW¼ SE¼ Section 8; NW¼, SE¼ SW¼, W½ NE¼, N½ SW¼ Section 17; Section 18; N½ Section 19; NW¼ NW¼ Section 20.

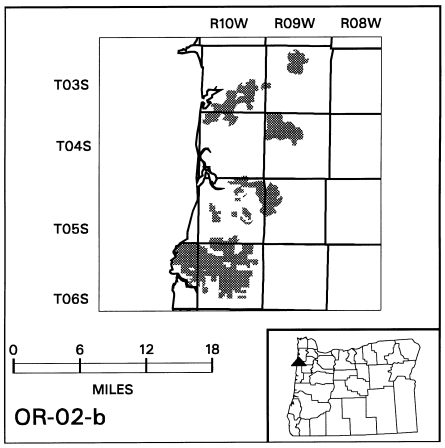
T.05S., R.10W. Willamette Meridian: Section 1; Section 2 except S½ S½, NE¼ NE¼; NE¼, E½ NW¼, SE¼ SW¼, SW¼ NW¼, SW¼ SE¼, NE¼ SW¼ Section 3; S½ NE¼ Section 4; N½ NE¼, E½ NW¼, NW¼ NW¼, SW¼ SE¼, SE¼ SW¼ Section 10; NW¼ NW¼, SE¼ NW¼, NW¼ SW¼ Section 11; E½, E½ NW¼, SW¼ NW¼, NE¼ SW¼ Section 12; NE¼ NW¼, E½ Section 13; SW¼ Section 14; SW¼, SW¼ NW¼ Section 17; Section 20 except W½ W½, SE¼ NE¼; NW¼, E½ SE¼ Section 22; SE¼ NW¼, NW¼ SE¼, SW¼ NE¼, SW¼ SW¼, SE¼ SE¼, NW¼ SE¼, N½ N½ Section 23; NW¼ NE¼, E½ NW¼ Section 24; N½ N½ Section 26; S½ Section 32; S½ S½, NE¼ SE¼, NW¼ SW¼, SW¼ NW¼, SE¼ NE¼ Section 33; W½ SE¼ Section 34.

T.06S., R.10W. Willamette Meridian: Section 2; W½ W½, SE¼ SE¼, NE¼ SW¼ Section 3; Section 4; N½ S½, N½ Section 5; W½ W½, E½ SW¼, E½ SE¼ Section 6; Section 7; Section 8 except N½ NE¼; Section 9 except NW¼ NW¼, SE¼ SW¼, S½ SE¼; Section 10; Section 11 except NE¼, SE¼ SE¼; SW¼ Section 12; S½, NW¼ NE¼ Section 14; W½, SE¼ Section 15; Section 16 except N½ NE¼; Section 17–18; NW¼, W½ SW¼, W½ E½ Section 19; W½ NE¼, E½ NW¼ Section 20; Sections 21–22; W½, W½ E½ Section 23; S½ NW¼, S½ SW¼ Section 26; W½ W½, NE¼, NE¼ NW¼, SE¼ SE¼ Section 27; Section 28 except SW¼ NW¼; NE¼, NW¼ SE¼ Section 30.

T.06S., R.11W. Willamette Meridian: Section 1–2; Section 11; Section 12; Section 13 except SE¼ NW¼, SW¼ NE¼; NE¼, N½ SE¼ Section 14; Section 24 except SE¼ SE¼, N½ NW¼.

Critical Habitat includes only State lands described within the following areas:

T.05S., R.10W. Willamette Meridian: S½ NE¼, E½ SE¼ Section 10; E½ SE¼, SE¼ NE¼ Section 11.



Map and description of OR–02–c taken from United States Fish and Wildlife Service 1:100,000 map; Yamhill River and Corvallis, Oregon; 1995.

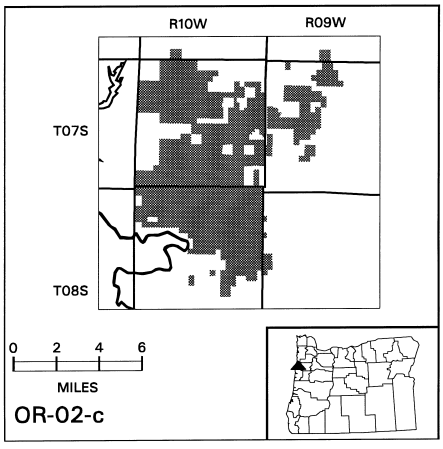
Critical Habitat includes only Federal lands designated as Late Successional Reserves described within the following areas:

T.06S., R.10W. Willamette Meridian: SE¼ Section 32.

T.07S., R.09W. Willamette Meridian: SW¼, W½ NW¼, SE¼ NW¼, SW¼ SE¼ Section 3; SE¼, E½ NE¼, SW¼ NE¼, NE¼ SW¼ Section 4; W½ NW¼ Section 5; Section 8 except S½ SW¼ SW¼ SE¼; Section 9 except N½ NE¼, SE¼ NE¼, NE¼ NW¼, SW¼ SE¼, SE¼ SW¼; Section 16 except E½ E½, NE¼ NW¼; S½, E½ NE¼ Section 17; Section 18 except NE¼ NE¼; SW¼, S½ NW¼ Section 19; NE¼, NW¼ SE¼ Section 20; W½ NW¼, NE¼ NW¼, S½ SW¼ Section 21; N½ NW¼, SW¼ NW¼ Section 28; SE¼ NE¼ Section 29; N½ NW¼ Section 30.

T.07S., R.10W. Willamette Meridian: SW¼, NW¼ SE¼ Section 3; Section 4 except E½ NE¼; Section 5; Sections 7–9; Section 10 except E½ NW¼, NE¼; N½ S½, E½ NE¼, SW¼ SE¼, SE¼ NE¼ Section 11; Section 12 except S½ NW¼, N½ SW¼, E½ NE¼; Section 13; Section 14 except N½ NW¼, SW¼ NW¼, W½ SW¼, NE¼ NE¼; Section 15 except S½ S½; Section 16 except SE¼ SE¼; Section 17; N½ Section 18; S½ S½ Section 20; NE¼, SW¼ Section 21; Sections 22–23; Section 24 except NW¼ SE¼, SW¼ NE¼, NE¼ SW¼; Section 25 except NW¼; Section 26 except NW¼; Sections 27–29; Section 31 except N½ NW¼, NW¼ NE¼; Sections 32–35.

T.08S., R.10W. Willamette Meridian: Sections 1–5; Section 6 except NW¼ SW¼, SW¼ NW¼; Section 7 except NW¼ SW¼, S½ SW¼, S½ SE¼ S½ NE¼; Section 8 except S½ S½; Sections 9–14; Section 15 except SE¼ SE¼; E½ E½, NW¼ NE¼, SW¼ SE¼ Section 16; SW¼ SE¼ Section 22; Sections 23 except SW¼ NW¼, NW¼ SW¼; Section 24 except SE¼ SE¼; NE¼ NW¼, NW¼ NE¼ Section 25; Section 26 except SE¼, E½ NE¼; W½ NE¼ Section 28.



Map and description of OR–02–d taken from United States Fish and Wildlife Service 1:100,000 map; Corvallis, Oregon; 1995.

Critical Habitat includes only Federal lands designated as Late Successional Reserves described within the following areas:

T.07S., R.06W. Willamette Meridian: SW¼ Section 4; Section 5 except N½ NE¼, NW¼ NW¼; Section 6 except NE¼, N½ NW¼, NW¼ SE¼; Section 7; S½ S½, NE¼ SW¼, N½ SE¼, SE¼ NE¼ Section 9; Section 17 except NW¼, W½ NE¼, NW¼ SW¼.

T.07S., R.07W. Willamette Meridian: Section 1 except N½ NE¼; Sections 2–3; Section 4 except N½ NW¼, NW¼ NE¼; Section 5; Section 7; N½ Section 8; Section 9; Section 11 except SE¼ SW¼, SW¼ SE¼; Section 13 except NE¼ SE¼; Section 15; Section 17; N½ Section 18; Section 19; Section 21; Section 23; N½ Section 25; N½ Section 26; Section 27; Section 29; Section 31; Section 33; NW¼ Section 34.

T.07S., R.08W. Willamette Meridian: Section 1; SE¼ Section 12; Section 13; S½, S½ N½ Section 14; Section 15 except W½ W½; Section 17; Section 18 except W½ W½; Section 19 except W½ W½; W½ Section 20; Section 23; Section 25; Section 27; Section 28 except E½ SW¼, S½ NW¼; Section 29 except SE¼; Section 30 except W½ W½; Section 31 except W½ W½, E½ SE¼; Section 32 except NE¼; N½, N½ SW¼, NW¼ SE¼ Section 33; Section 35.

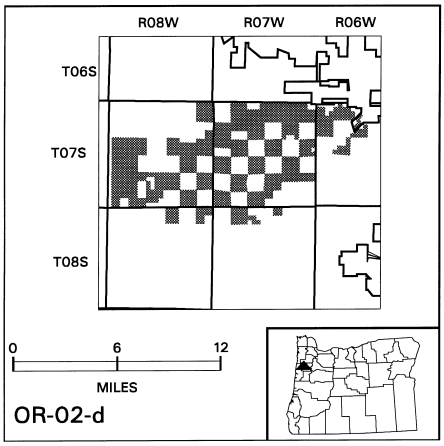
T.08S., R.07W. Willamette Meridian: NE¼ Section 3; SW¼ SE¼, N½ SW¼, SE¼ SW¼ Section 4; Section 5; NE¼ NE¼ Section 17.

T.08S., R.08W. Willamette Meridian: Section 1 except SE¼; Section 3 except W½ W½.

DESCRIPTION OF LANDS USING PROTRACTED PUBLIC LAND SURVEY LINES

Critical Habitat includes only Federal lands designated as Late Successional Reserves described within the following areas:

T.07S., R.06W. Willamette Meridian: SE¼ SW¼, SW¼ SE¼ Section 4; E½ NW¼ Section 9.



Map and description of OR–02–e taken from United States Fish and Wildlife Service 1:100,000 map; Yamhill River, Oregon; 1995.

Critical Habitat includes only Federal lands designated as Late Successional Reserves described within the following areas:

T.01S., R.05W. Willamette Meridian: Section 19 except NW¼.

T.02S., R.05W. Willamette Meridian: N½ N½ Section 3; SW¼ NE¼ Section 5; SW¼ SE¼, SE¼ NE¼ Section 7.

T.02S., R.06W. Willamette Meridian: S½ NW¼ Section 25; S½ NW¼, NE¼, S½ S½ Section 26; Section 35.

T.02S., R.08W. Willamette Meridian: Section 31 except W½ NW¼, E½ SE¼; NW¼, SW¼ NE¼, SE¼, N½ SW¼ Section 32; Section 33 except NW¼ NW¼; W½ NW¼, NW¼ SW¼ Section 34.

T.03S., R.06W. Willamette Meridian: N½ NW¼ Section 1; Section 7; SE¼, NE¼ SW¼ Section 13; S½ SW¼ Section 16; Sections 17–20; W½, W½ E½ Section 21; SE¼ SE¼ Section 27; SW¼, S½ NW¼, NW¼ SE¼, SW¼ NE¼ Section 28; Section 29; Section 30 except NE¼; Section 31; W½ Section 32; Section 33 except SW¼; SE¼ Section 36.

T.03S., R.07W. Willamette Meridian: S½ Section 5; Section 7; S½ NE¼, W½ NW¼, N½ SW¼, N½ SE¼, SE¼ SE¼ Section 8; Section 9; Section 10 except N½ NE¼, NW¼ NW¼; Section 11; Section 12 except E½ E½, SW¼ NE¼; Sections 13–15; S½ Section 16; Section 17; SW¼, N½ NE¼, W½ NW¼ Section 18; Section 19; Section 20 except W½ W½, SE¼ SW¼; Sections 21–25; E½ Section 26; Sections 27–29; E½ Section 30; Section 31; Section 32 except S½ SE¼, NE¼ SE¼; Section 33 except NW¼ NW¼, SW¼ SW¼; N½, SE¼ Section 34; Section 35; W½ Section 36.

T.03S., R.08W. Willamette Meridian: SW¼, S½ SE¼ Section 1; SW¼ SE¼ Section 2; Section 3; NW¼, S½ SE¼, W½ SW¼, SE¼ SW¼ Section 4; Section 5 except NW¼, SW¼ NE¼; N½ NW¼, SE¼ Section 6; Section 7 except N½ NE¼, SW¼ NE¼, E½ NW¼; Section 8 except S½ SE¼; Section 9; Section 10 except N½ NW¼, NW¼ NE¼; Section 11; Section 13; NE¼, N½ NW¼, SE¼ SW¼ Section 14; Section 15 except SW¼; W½ SW¼ Section 16; SW¼ SE¼, NW¼ NW¼ Section 17; Section 18 except S½ SE¼; Section 19 except N½ NE¼; NE¼ Section 20; Section 21 except NW¼, N½ NE¼; Section 22 except SW¼ NE¼, SE¼ NW¼; Section 23; Section 24 except N½ NE¼, SE¼ NE¼; Section 25 except NE¼ SW¼, SW¼ NE¼, NW¼ SE¼, SE¼ NW¼; N½ NE¼, NW¼ NW¼, SE¼ SE¼; Section 26; Section 27 except NE¼ SW¼, SW¼ NE¼, NW¼ SE¼, SE¼ NW¼; S½ S½, NW¼ NW¼ Section 29; S½, W½ NW¼ Section 31; Section 32 except SW¼, SW¼ NW¼, W½ SE¼; Sections 33–34; S½ Section 35; W½ NE¼ Section 36.

T.03S., R.09W. Willamette Meridian: Section 1 except S½ SE¼, NE¼ SE¼, SW¼ NW¼; SE¼ SE¼ Section 2; SE¼ SE¼ Section 10; Section 11 except NW¼; Section 12 except NE¼ NE¼; Section 13 except W½ NW¼, E½ NE¼; Section 14 except SW¼; NE¼ NE¼ Section 15; NE¼ Section 23; E½ NW¼, NE¼ Section 24.

T.04S., R05W. Willamette Meridian: NW¼ SE¼ Section 19.

T.04S., R.06W. Willamette Meridian: Section 5 except E½ E½, SW¼ SE¼; Sections 6–7; S½ SW¼, W½ SE¼ Section 18.

T.04S., R.07W. Willamette Meridian: Section 1 except NE¼; W½, N½ NE¼ Section 2; Section 3 except NW¼; E½ E½, NW¼ NE¼, NE¼ NW¼, SE¼ SW¼, SW¼ SE¼ Section 4; N½, E½ SE¼, SW¼ SW¼ Section 5; Section 6 except NE¼, W½ SE¼; Section 7; SW¼, NE¼ SE¼ Section 8; Section 9; N½ Section 10; Section 11; Section 12 except SE¼ SW¼; Section 13; Section 14 except N½ NW¼, S½ NE¼, E½ SE¼; Section 15 except SW¼ SW¼; E½ E½, NW¼ NE¼ Section 16; Section 17 except N½ S½; Section 18 except NW¼.

T.04S., R.08W. Willamette Meridian: SE¼ NE¼, SE¼, Section 1; NW¼ NE¼, N½ NW¼, E½ SW¼, SE¼ Section 2; N½ N½, S½ S½ Section 3; Section 4 except S½ SE¼, NE¼ SE¼, SE¼ SW¼; Sections 5–8; Section 9 except NW¼ NE¼, NE¼ NW1/4; Section 10; Section 11 except SE¼ NE¼, NE¼ SE¼; Section 12 except NE¼ SE¼, E½ NE¼; Sections 13–14; Section 15 except N½ NE¼; Section 16; Sections 17–25; Section 26 except W½ SW¼; Section 27 except E½ SE¼; Section 28–35; N½ Section 36.

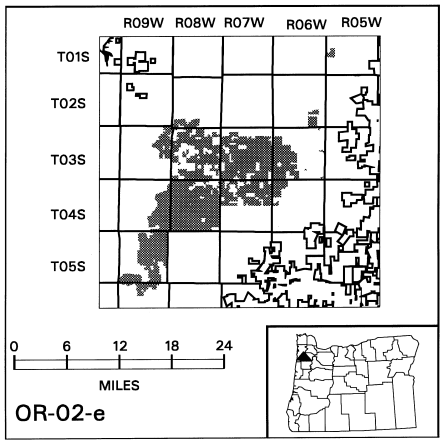
T.04S., R.09W. Willamette Meridian: SE¼, SE¼ NE¼ Section 1; SE¼, E½ SW¼ Section 11; Section 12 except NW¼; Section 13; E½, E½ NW¼ Section 14; SE¼ SE¼ Section 22; Section 23 except N½ NW¼, SW¼ NW¼; Sections 24–26; SE¼, E½ NE¼, SW¼ NE¼, SE¼ NW¼ Section 27; NE¼, SE¼ SE¼ Section 34; N½ N½, S½ S½, SW¼ NW¼, SE¼ NE¼, NE¼ SE¼ Section 35; Section 36.

T.05S., R.09W. Willamette Meridian: Sections 1–2; NE¼ NE¼, SW¼, SE¼, SW¼ NW¼ Section 3; Section 4 except N½ N½, SW¼ NW¼, W½ SW¼; W½, NE¼ NW¼ Section 9; Section 10–15; Section 16 except W½ W½, NE¼ NW¼; Section 21 except W½ W½, SE¼ SW¼ ¼; Section 22; Section 23 except SE¼, SW¼ NW¼; Section 24 except SW¼; NE¼ NE¼ Section 25; Section 26 except E½ E½; Section 27 except E½ NE¼, SW¼, NW¼ NW¼; Section 31 except N½ NW¼; Section 32; Section 33 except E½ E½; Section 34 except W½; Section 35.

T.06S., R.09W. Willamette Meridian: N½ SW¼, NW¼ NE¼, NW¼ Section 2; N½, N½ SW¼, SW¼ SW¼ Section 3; Section 4 except SE¼ SE¼, SW¼ NW¼, W½ SW¼; N½ Section 5; N½ N½ Section 6; NE¼, E½ NW¼ Section 9.

Critical Habitat includes only State lands described within the following areas:

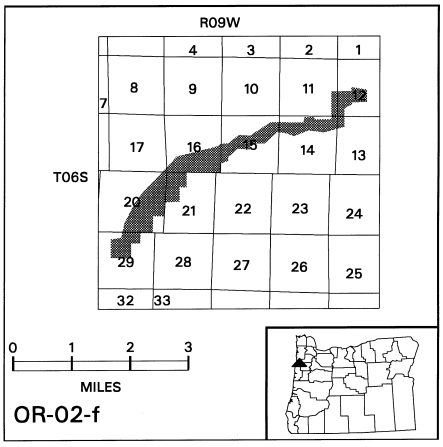
T.03S., R.07W. Willamette Meridian: N½ Section 16.



Map and description of OR–02-f taken from United States Fish and Wildlife Service 1:100,000 map; Yamhill River, Oregon; 1995.

Critical Habitat includes only State lands described within the following areas:

T.06S., R.09W. Willamette Meridian: E½ SE¼ Section 11; N½ SW¼, SW¼ SW¼ Section 12; NW¼ NW¼ Section 13; N½ NE¼, NW¼ Section 14; S½ NE¼, S½ NW¼, N½ SW¼, NE¼ NE¼, SW¼ SW¼ Section 15; S½ SW¼, SE¼, NE¼ SW¼ Section 16; E½ NE¼, SW¼ NE¼, SE¼, SE¼ SW¼ Section 20; W½ NW¼, NE¼ NW¼ Section 21; W½ NE¼, E½ NW¼ Section 29.



Map and description of OR–03–a taken from United States Fish and Wildlife Service 1:100,000 map; Corvallis, Oregon; 1995.

Critical Habitat includes only Federal lands designated as Late Successional Reserves described within the following areas:

T.09S., R.09W. Willamette Meridian: SE¼ SE¼ Section 33; SW¼ SW¼ Section 34.

T.10S., R.10W. Willamette Meridian: NW¼ SE¼ Section 2.

Critical Habitat includes only State lands described within the following areas:

T.09S., R.09W. Willamette Meridian: E½ SW¼, W½ SE¼, NE¼ SE¼ Section 34.

T.10S., R.09W. Willamette Meridian: NW¼, W½ NE¼ Section 16; N½ NE¼, NE¼ NW¼ Section 17.

Critical Habitat includes only County lands described within the following areas:

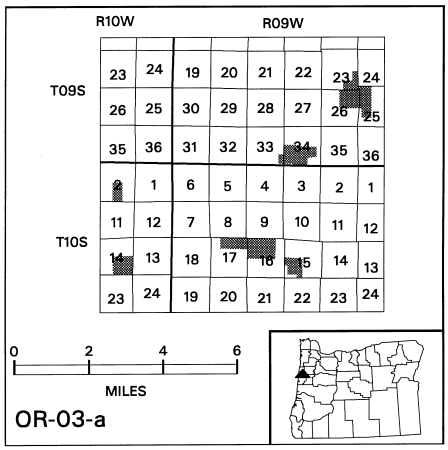
T.10S., R.10W. Willamette Meridian:SW¼ SE¼ Section 2.

Critical Habitat includes only Private lands described within the following areas:

T.09S., R.09W. Willamette Meridian: S½ SE¼, NE¼ SE¼ Section 23; W½ NW¼, NW¼ SW¼ Section 25; NE¼ Section 26; W½ SW¼ Section 34.

T.10S., R.09W. Willamette Meridian: SW¼ Section 15.

T.10S., R.10W. Willamette Meridian: SE¼ Section 14.



Map and description of OR–03–b taken from United States Fish and Wildlife Service 1:100,000 map; Corvallis, Oregon; 1995.

Critical Habitat includes only State lands described within the following areas:

T.10S., R.06W. Willamette Meridian: W½ SW¼ Section 30.

T.10S., R.07W. Willamette Meridian: S½ Section 25; N½ Section 36.

T.11S., R.07W. Willamette Meridian: S½ N½, SE¼ Section 16; N½ Section 21; S½, NW¼ Section 29; Section 31; Section 32 except E½ SE¼, NE¼ SE¼.

T.11S., R.08W. Willamette Meridian: W½ SW¼ Section 14; Section 15 except N½ NE¼; Section 16 except S½ SW¼; SW¼, W½ SE¼ Section 17; S½ SE¼, E½ SW¼ Section 18; Sections 19–21; W½, S½ SE¼, NE¼ SE¼, NE¼ NE¼ Section 22; SW¼, NW¼ NW¼ Section 23; SW¼, NW¼ SE¼, S½ N½ Section 26; Section 27 except SW¼, NE¼ NE¼; N½ NW¼

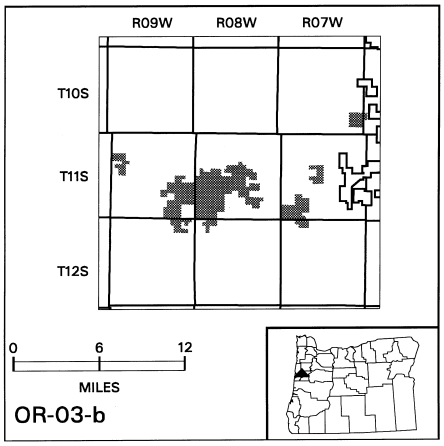
Section 28; Sections 29–31; Section 32 except SE¼; N½ NW¼ Section 35.

T.11S., R.09W. Willamette Meridian: S½ Section 7; NW¼ NW¼ Section 17; SE¼, S½ NE¼, NE¼ NE¼, SE¼ NW¼ Section 18; Section 23 except NW¼; S½, NW¼ NW¼ Section 24; Section 25; Section 26 except S½ NW¼, N½ SW¼; NE¼ Section 27; E½ SE¼, SE¼ NE¼ Section 34; Section 35.

T.12S., R.07W. Willamette Meridian: Section 5 except S½, SW¼ NW¼.

T.12S., R.08W. Willamette Meridian: NW¼ Section 5; E½ E½, SW¼ NE¼ Section 6.

T.12S., R.09W. Willamette Meridian S½ SW¼, N½ NW¼, SE¼ NW¼, NW¼ NE¼ Section 1; E½, E½ NW¼ Section 2.



Map and description of OR–03–c taken from United States Fish and Wildlife Service 1:100,000 map; Corvallis, Oregon; 1995.

Critical Habitat includes only Federal lands designated as Late Successional Reserves described within the following areas:

T.08S., R.06W. Willamette Meridian: SE¼ NE¼, NE¼ NE¼, SW¼ NE¼, S½ NW¼, NW¼ NW¼, S½ SE¼, SW¼ Section 31; W½ NW¼ Section 33.

T.08S., R.07W. Willamette Meridian: Section 31 except S½ SE¼.

T.09S., R.06W. Willamette Meridian: N½ NE¼, NW¼ Section 5; NE¼, NW¼, N½ SE¼ Section 7.

T.09S., R.07W. Willamette Meridian: Section 1 except NW¼ NW¼; Section 3 except NE¼; Section 9 except SE¼ SE¼; Section 11; Section 13; W½, W½ NE¼, NW¼ SE¼ Section 15; SE¼, E½ SW¼ Section 17; NW¼, NW¼ SW¼ Section 21; E½ NE¼, NE¼ SE¼ Section 23; Section 29 except SE¼; Section 31; S½, SE¼ NW¼ Section 33; W½ W½, NE¼ NE¼ Section 35.

T.09S., R.08W. Willamette Meridian: N½ NW¼, SW¼ NW¼, W½ SW¼ Section 11; Section 27 except N½ NE¼; Section 35.

T.10S., R.05W. Willamette Meridian: SW¼ NE¼, W½ SE¼, SW¼, SE¼ NW¼ Section 29.

T.10S., R.07W. Willamette Meridian: N½ Section 1; W½ NW¼ Section 4; N½ Section 5.

Critical Habitat includes only State lands described within the following areas:

T.08S., R.07W. Willamette Meridian: SE¼ Section 11; SE¼ ¼ Section 12; N½, N½ SE¼ Section 13; E½, SW¼ Section 14.

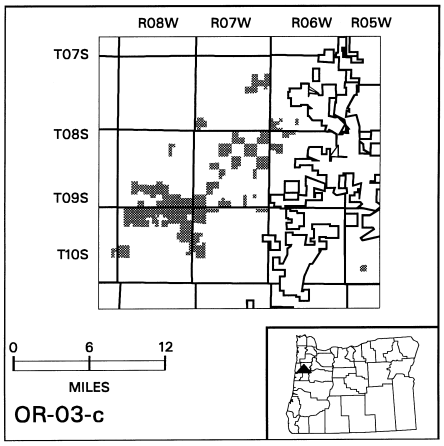
T.09S., R.08W. Willamette Meridian: Section 28 except N½ N½; S½, NW¼, S½ NE¼ Section 29; SE¼ Section 32; NE¼ Section 33; Section 34 except NW¼; Section 36 except N½ N½.

T.10S., R.07W. Willamette Meridian: Section 6; N½ N½ Section 7; NW¼, SW¼, SE¼ SE¼, NW¼ NE¼ Section 18; Section 19 except W½ SW¼.

T.10S., R.08W. Willamette Meridian: Section 1 except SE¼; Section 2; NE¼, NW¼, NW¼ SW1¼, SW¼ SW¼, NE¼ SE¼, NW¼ SE¼ Section 3; Section 4 except SW¼ SE¼, SE¼ SW¼; Section 5; E½ Section 6; NE¼ Section 7; NE¼, E½ NW¼, NW¼ NW¼ Section 8; NW¼, NE¼ NE¼ Section 9; NW¼, NE¼ Section 10; N½ N½ Section 11; Section 12; Section 13 except S½ SW¼, SW¼ SE¼; Section 19; E½ NE¼, N½ SE¼ Section 24.

Critical Habitat includes only Private lands described within the following areas:

T.09S., R.08W. Willamette Meridian: S½ SW¼ Section 29.



Map and description of OR–04–a taken from United States Fish and Wildlife Service 1:100,000 map; Corvallis, Waldport and Eugene, Oregon; 1995.

Critical Habitat includes only Federal lands designated as Late Successional Reserves described within the following areas:

T.11S., R.10W. Willamette Meridian: SE¼ SE¼ Section 35.

T.12S., R.09W. Willamette Meridian: N½ N½ Section 6; Section 7 except NW¼ NE¼; Section 8 except NE¼ NW¼, W½ NE¼, NE¼ NE¼; SE¼ SE¼ Section 14; S½ NW¼, SW¼, W½ SE¼ Section 15; S½, S½ N½ Section 16; Sections 17–18; Section 19 except W½ W½,

NE¼ NE¼, SE¼ SW¼; Section 20 except SE¼ NW¼, S½ NE¼; Section 21; Section 22 except NE¼ NE¼; Section 23 except NW¼ NW¼; Section 26 except NE¼ NE¼, SE¼ SE¼; Sections 27–28; N½ NW¼, NW¼ NE¼ Section 29; W½ Section 33.

T.12S., R.10W. Willamette Meridian: Sections 1–2; Section 3 except E½ NW¼, S½ NE¼; Section 4; S½, E½ NE¼, SW¼ NW¼ Section 5; SE¼ SE¼ Section 6; Sections 7–8; N½, N½ SE¼ Section 9; N1½ Section 10; Section 11 except SW¼ SW¼; Section 12; W½ NE¼, E½ NW¼, NE¼ NE¼ Section 13; Sections 16–17; Section 18; Sections 19–21; Section 25 except S½ S½, N½ NW¼; S½ SE¼ Section 26; Section 28; Section 29 except SW¼, NW¼ SE¼; Section 30 except S½ S½; E½ SE¼ Section 31; Section 32 except W½ NW¼; Section 33 except SW¼ SE¼; N½ SE¼, NE¼ Section 35.

T.12S., R.11W. Willamette Meridian: S½ NW¼, S½ SW¼, NE¼ SW¼, W½ SE¼, SW¼ NE¼ Section 9; SE¼, S½ SW¼, SW¼ SW¼ Section 11; S½ Section 12; Section 13 except S½ S½; Section 14 except N½ SW¼, N½ SE¼, SE¼ SE¼; NE¼ Section 22; Sections 23–24; Section 25 except W½ SW¼, SW¼ NW¼; Section 26 except SE¼ NE¼; E½ Section 27; Section 35; Section 36 except E½ SE¼, SE¼ NE¼.

T.13S., R.09W. Willamette Meridian: Section 2 except SE¼; NE¼ Section 4; SW¼ Section 5; Section 6–7; W½ Section 8; Sections 18–19; N½ SW¼, E½ SE¼, NW¼ SE¼ Section 20; SW¼ SW¼ Section 21; Section 28 except N½ NE¼, NE¼ NW¼; Section 29 except NW¼ SW¼; Section 30; Section 31 except N½ SW¼, S½ NW¼; Section 32–33; W½ W½, E½ SW¼, SE¼ Section 34; SW¼ SE¼, SE¼ SW¼ Section 35.

T.13S., R.10W. Willamette Meridian: Section 1; Section 2; E½ E½ Section 3; S½ SW¼, SW¼ NE¼, W½ SE¼ Section 7; E½ SE¼ Section 9; Section 10 except SW¼ NW¼; Sections 11–15; Section 16 except N½ NW¼; Section 17 except N½, NW¼ SW¼; Section 18; Sections 19–25; Section 26 except SW¼ SW¼, SE¼ SE¼; N½ NE¼, SE¼ NE¼, Section 27; SE¼ SW¼, NW¼ Section 28; Section 29; N½, N½ SE¼, NE¼ SW¼, SW¼ SW¼ Section 30; S½, E½ NE¼ Section 31; E½ SE¼, S½ SW¼, NW¼ SW¼, NW¼, NW¼ NE¼ Section 32; W½ Section 33; E½ SE¼, NE¼ SE¼, NE¼ NE¼ Section 34; Section 35 except SE¼ NE¼, NE¼ NW¼.

T.13S., R.11W. Willamette Meridian: Section 1 except SE¼ SE¼; Section 2; Section 11 except W½ SW¼, SE¼ SW¼; NW¼, W½ NE¼, W½ SW¼, SE¼ SE¼ Section 12; Section 13 except W½ W½, NE¼ NW¼, S½ SE¼; N½ N½, SW¼ NW¼, S½ SW¼, SW¼ SE¼, SE¼ SW¼ Section 14; Section 15 except N½ NW¼, SW¼ NW¼, NW¼ SW¼; NE¼ NW¼, N½ NE¼ Section 22; NW¼, SW¼ NE¼ Section 23; S½ NE¼, S½, NW¼ NW¼ Section 24; Section 25 except S½ N½, N½ SE¼; S½ SW¼, NW¼ SW¼, SE¼ Section 26; E½, E½ W½ Section 34; Section 35; Section 36 except SE¼, E½ NE¼.

T.14S., R.09W. Willamette Meridian: Section 2 except NE¼ NE¼, S½ S½; Section 3 except S½ S½, N½ SW¼; Section 4 except S½ S½, N½ SE¼; Section 5 except S½ SE¼, N½ SW¼, SE¼ SW¼, NW¼ SE¼; E½, S½ SW¼ Section 6; Section 7 except S½ SW¼, NW¼ SE¼, NE¼ SW¼; N½ NW¼, SE¼, S½ SW¼, SE¼ NE¼ Section 8; Section 9 except NW¼ NW¼; Section 10 except N½ NE¼; Section 11 except N½ NW¼, NE¼, N½ SE¼, SW¼ SE¼; S½ S½ Section 12; SW¼, S½ SE¼, N½ NW¼, NW¼ NE¼ Section 13; Sections 14 except NW¼ NE¼, SE¼ NW¼, N½ SW¼, SE¼ SW¼; Sections 15–16; S½ NE¼, N½ SW¼, SE¼ NW¼, SW¼ SW¼ Section 18; N½ NW¼, NE¼, SW¼ NW¼, NE¼ SE¼, SE¼ SW¼ Section 19; S½ NW¼, NW¼ SW¼ Section 20; N½ NE¼, NE¼ NW¼ Section 21; NW¼ NW¼ Section 22; E½, E½ NW¼ Section 23; W½ W½ Section 24; W½, W½ E½ Section 25; E½ Section 26; S½ NW¼, NW¼ NW¼ Section 36.

T.14S., R.10W. Willamette Meridian: Section 1 except N½ SE¼, E½ NE¼; Section 2; Section 3 except SW¼; Section 4; Section 5 except W½ NE¼, SE¼ NW¼; Section 6; N½ Section 7; Section 8 except SW¼; Section 9 except S½ SW¼; Sections 10–13; Section 14; Section 15; N½, N½ SE¼, SE¼ SE¼, NE¼ SW¼ Section 16; Section 17 except N½ NW¼; N½ Section 20; E½, E½ NW¼, NW¼ SW¼ Section 23; Section 24 except E½ NE¼, NE¼ SE¼; NW¼ Section 25.

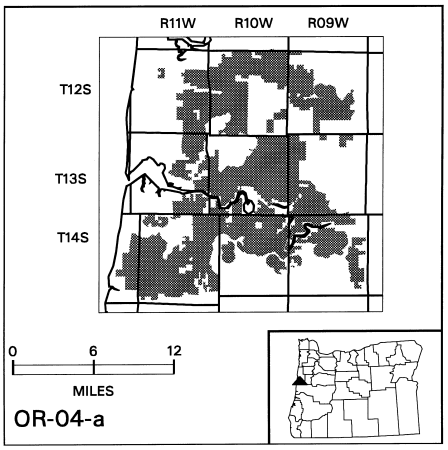
T.14S., R.11W. Willamette Meridian: Sections 1–2; SE¼ NW¼, SW¼ SE¼; Section 3; N½ NE¼, NE¼ NW¼, W½ NW¼ Section 4; S½ NW¼, NW¼ NW¼, SW¼ SE¼, NE¼, S½ SW¼ Section 5; NE¼, SE¼ NW¼ Section 6; Section 7; Section 8 except NE¼ NE¼; S½ SE¼, NE¼ SE¼, SW¼ NW¼, W½ SW¼ Section 9; Section 10 except W½ W½, NE¼ NW¼, NE¼ SW¼, NE¼ NE¼; Section 11; W½, NW¼ NE¼ Section 12; W½ W½, NE¼ NW¼ Section 13; Section 14; Section 15 except NE¼ SE¼; Section 16 except NW¼ NW¼; Section 17 except SE¼ NE¼; Sections 18–21; Section 22 except S½ N½, N½ SW¼, N½ NE¼; Section 23; Section 24 except NE¼; Section 25 except W½ NW¼; Section 26 except NE¼ NE¼, S½ SE¼, NE¼ SW¼; Sections 27–30; N½, NE¼ SW¼ Section 31; NW¼, N½ NE¼, N½ SW¼ Section 32; N½ Section 33; N½ N½, SW¼ NW¼ Section 34; N½ NW¼ Section 35.

T.14S., R.12W. Willamette Meridian: S½ SE¼, SE¼ SW¼ Section 1; Section 12 except W½ W½; Section 13 except NW¼ NW¼; E½ SE¼, SE¼ NE¼ Section 14; SE¼, E½ NE¼, W½ SW¼ Section 23; Sections 24–25.

DESCRIPTION OF LANDS USING PROTRACTED PUBLIC LAND SURVEY LINES

Critical Habitat includes only Federal lands designated as Late Successional Reserves described within the following areas:

T.14S., R.09W. Willamette Meridian: E½ NW¼, W½ NE¼ Section 8.



Map and description of OR–04–b taken from United States Fish and Wildlife Service 1:100,000 map; Waldport, Eugene, Oregon; 1995.

Critical Habitat includes only Federal lands designated as Late Successional Reserves described within the following areas:

T.14S., R.09W. Willamette Meridian: SE¼, S½ SW¼, NW¼ SW¼, SW¼ NW¼ Section 28; Section 29 except N½ NE¼; S½, S½ N½ Section 30; Section 31; Section 32; Section 33 except SE¼ NE¼, NE¼ SW¼; Section 34 except W½ NW¼, W½ NE¼; S½ S½, SW¼ NW¼, E½ NW¼, N½ SW¼ Section 35.

T.14S., R.10W. Willamette Meridian: SE¼ NE¼, E½ SE¼ Section 25; Section 29 except NE¼ NE¼; Sections 30–32.

T.14S., R.11W. Willamette Meridian: SE¼, S½ SW¼ Section 35; Section 36 except NW¼, N½ NE¼.

T.15S., R.09W. Willamette Meridian: W½ W½ Section 1; Sections 2–5; Section 6 except S½ SW¼, SW¼ SE¼; E½ NE¼, SW¼ NE¼, SW¼, W½ SE¼, W½ NW¼ Section 7; N½ NW¼, NW¼ NE¼, E½ SE¼, SW¼ SE¼, SE¼ SW¼ Section 8; Section 9 except S½ SW¼; Section 10 except SE¼; Section 11; N½ SW¼, S½ NW¼, NW¼ NW¼ Section 12; E½, E½ SW¼, SW¼ SW¼, NW¼ NW¼, SE¼ NW¼ Section 13; Section 14 except NE¼ SE¼; Section 15; E½ NE¼, SW¼ NE¼, S½ NW¼, NW¼ NW¼, SE¼, E½ SW¼ Section 16; E½ NE¼, SW¼ NE¼, W½ SW¼ Section 17; Section 18 except NE¼ NE¼; Section 19; SE¼, NW¼ NW¼, S½ NE¼ Section 20; Section 21; Section 22 except E½ SW¼; Sections 23–26; E½, E½ SW¼, SW¼ SW¼, SE¼ NW¼ Section 27; Section 28; E½, E½ NW¼, SE¼ SW¼ Section 29; N½ NW¼, NW¼ NE¼ Section 30; Section 32 except W½ NW¼, NW¼ SW¼; Sections 33–36.

T.15S., R.10W. Willamette Meridian: Section 1 except N½ NW¼, SE¼ NW¼, NW¼ NE¼, SE¼; E½ SE¼ Section 2; W½ SW¼, SE¼ SW¼ Section 4; Sections 5–8; W½, W½ SE¼, SW¼ NE¼ Section 9; NE¼ NE¼ Section 11; NW¼, E½ Section 12; E½ NE¼, NW¼ NE¼, S½ SW¼ Section 13; SW¼, SW¼ NW¼, SE¼ SE¼ Section 14; SW¼ SW¼, E½ SW¼, E½ NW¼, E½ Section 15; S½ S½ Section 16; Sections 17–22; E½, SE¼ SW¼, NW¼ NW¼ Section 23; Section 24 except NE¼ NE¼, SW¼ SE¼; SW¼ Section 25; Section 26 except NE¼; Sections 27–34; E½, N½ NW¼, SE¼ NW¼, NE¼ SW¼ Section 35; NE¼ NW¼ Section 36.

T.15S., R.11W. Willamette Meridian: Section 1; N½ N½, SE¼ NE¼, SW¼ SW¼, SE¼ SE¼ Section 2; E½ SE¼, SW¼ SE¼, S½ SW¼ Section 3; Section 4 except N½ NW¼; NW¼ SW¼, SW¼ NW¼ Section 5; SW¼, W½ NW¼, SE¼ NW¼, S½ NE¼, SE¼ Section 6; W½ Section 7; NE¼, S½ NW¼, NE¼ SW¼, N½ SE¼, NE¼ NW¼ Section 8; Section 9 except SW¼ SW¼, NW¼ NE¼, NE¼ NW¼; Section 10–11; Section 12 except SE¼ SW¼; Section 13 except N½ NW¼, SE¼ NW¼; Section 14; Section 15 except SW¼; NE¼ NE¼ Section 16; E½ SE¼ Section 21; E½ E½, W½ SE¼, SW¼ Section 22; Sections 23–27; Section 28 except N½ N½; S½, SE¼ NE¼ Section 29; S½, S½ NW¼, SW¼ NE¼ Section 30; Section 31 except N½ NW¼, NW¼ NE¼, SE¼ NE¼; Section 32 except S½ N½, NE¼ SE¼; Section 33 except S½ SE¼; Section 34 except S½ S½, NE¼ SE¼, SE¼ NE¼; Section 35 except SW¼ NW¼, NW¼ NE¼, NW¼ SW¼, S½ SW¼; Section 36.

T.15S., R.12W. Willamette Meridian: Section 1 except NW¼; Section 2; E½, E½ NW¼ Section 3; N½ NE¼, SE¼ NE¼, NE¼ NW¼ Section 10; Section 11 except SE¼ SE¼; Section 12 except S½ S½; SE¼ Section 22; Section 25 except NE¼ NE¼; S½, NE¼, S½ NW¼ Section 26; E½ E½ Section 27; E½ Section 34; Section 35; Section 36 except N½ N½.

T.16S., R.09W. Willamette Meridian: Section 1 except N½ S½, SE¼ SE¼; Section 2 except E½ SE¼; Sections 3–5; Section 6 except N½ N½, SW¼ NE¼; Section 7 except E½ NE¼; Sections 8–15; Section 16 except SE¼; Section 17; Section 18 except SW¼ SW¼; Section 19; NW¼ NW¼, NW¼ SW¼, N½ NE¼ Section 20; Section 21 except SW¼ SW¼; Sections 22–24; N½ NW¼, NW¼ SW¼, W½ NE¼, SW¼ NW¼ Section 25; Section 26 except S½ SE¼; Sections 27–28; Section 29 except N½ NW¼, NW¼ NE¼; Section 30; W½ Section 31; Sections 32–34; Section 35 except NE¼, S½ SW¼, E½ NW¼.

T.16S., R.10W. Willamette Meridian: SE¼, S½ NE¼ Section 1; SW¼ SE¼, SW¼ Section 2; Section 3 except E½ NE¼, NE¼ SE¼, NW¼ SW¼; SW¼, NW¼ NW¼, S½ SE¼, NE¼ NE¼ Section 4; Section 5 except SE¼ NE¼; Sections 6–9; Section 10 except SE¼ NE¼, SW¼ SW¼; N½, NW¼ SE¼, NE¼ SE¼, SW¼ SW¼ Section 11; Section 12 except SW¼ NE¼, NW¼; Section 13 except S½ SE¼, SE¼ SW¼; Section 14; Section 15 except W½

W½, SE¼ SW¼, NE¼ NW¼; Section 16 except N½ NE¼, S½ SE¼; Section 17–21; Section 22 except W½ E½, NE¼ NE¼; Section 23; Section 24 except NW¼ NE¼, E½ NW¼, NE¼ SW¼; N½ NW¼, NE¼ NE¼, E½ SE¼, W½ SW¼ Section 25; Section 26 except S½ SW¼, NW¼ SW¼; Section 27 except S½ NE¼, E½ SE¼, NW¼ SE¼; Section 28; Section 29 except SW¼ SE¼, SE¼ SW¼; Section 30 except NW¼ SE¼, NE¼ SW¼; Section 31; Section 32 except N½ N½; Section 33 except W½ NW¼, SE¼ NW¼, E½ NE¼, SW¼ NE¼; NW¼ NE¼, NW¼, W½ SW¼ Section 34; NE1/4 Section 35.

T.16S., R.11W. Willamette Meridian: E½, E½ NW¼ Section 1; Section 2 except SW¼ NW¼; W½ Section 3; Section 4–6; N½ N½, S½ NE¼ Section 8; N½ Section 9; Section 10 except SE¼ SE¼; Section 11 except S½ SW¼, SW¼ SE¼; Section 12 except NE¼ NW¼; Section 13; Section 14 except N½ NW¼; S½ NE¼, SE¼ Section 15; Section 19 except N½ N½, SE¼ NE¼, NE¼ SE¼; S½ SW¼, NE¼ SE¼, W½ SE¼ Section 20; S½ SE¼, SW¼ Section 21; Section 22 except NW¼ NW¼; Sections 23–27; Section 28 except NW¼ NW¼; Section 29 except NE¼ NE¼; Sections 30–36.

T.16S., R.12W. Willamette Meridian: Sections 1 except S½ S½; Section 2; E½ Section 3; NE¼, N½ SE¼, SW¼ SE¼, E½ SW¼ Section 10; N½ Section 11; S½ S½ Section 14; W½, SE¼ SE¼ Section 15; N½ NE¼ Section 22; Section 23 except N½ NE¼; Sections 24–26; Sections 35–36.

T.17S., R.08W. Willamette Meridian: N½ SE¼ Section 18.

T.17S., R.09W. Willamette Meridian: Section 1 except E½ SE¼, SW¼ SE¼; Section 2 except E½ W½, S½ NE¼; Section 3 except S½ SE¼, NE¼ SE¼, SE¼ NE¼; Section 4 except S½ SW¼, SW¼ SE¼; Section 5; Section 6 except NW¼; Section 7; Section 8; W½ Section 9; N½ NW¼, NW¼ NE¼ Section 10; W½ NE¼, E½ NW¼, NE¼ NE¼, S½ SW¼ Section 11; SE¼ SE¼ Section 14; W½ W½ Section 16; Section 17 except W½ SE¼, SE¼ SW¼; Sections 18–19; Section 20 except E½ E½, NW¼ NE¼; NW¼ NW¼ Section 21; S½ SW¼ Section 25; S½ SE¼ Section 26; W½ NW¼ Section 28; N½ Section 29; N½ N½, W½ SW¼, SW¼ NW¼, SE¼ SW¼ Section 30; Section 31 except S½ NE¼, NE¼ SE¼; E½ NE¼, NW¼ NE¼, S½ SE¼, SW¼ NW¼ Section 32; S½ SE¼ Section 33; S½ S½, N½ SE¼ Section 34; S½ SE¼, SE¼ SW¼ Section 35.

T.17S., R.10W. Willamette Meridian: SE¼ SE¼ Section 1; Section 3 except E½, NE¼ NW¼; Section 4; Section 5 except SW¼ NW¼; Section 6 except S½ NE¼, NW¼ SE¼; Section 7–9; N½, NW¼ SE¼, W½ SW¼ Section 10; SW¼ NW¼ Section 11; E½ E½, NE¼ NW¼, NW¼ NE¼, SW¼ SE¼, S½ SW¼ Section 12; Section 13; S½, SE¼ NE¼, SW¼ NW¼ Section 14; SE¼, NW¼ NW¼, SE¼ NE¼ Section 15; Section 16 except W½ NE¼, NE¼ SE¼; Sections 17–18; Section 19 except SW¼ NW¼, SW¼ SE¼, S½ SW¼; Section 20–21; Section 22 except N½ NW¼; Section 23 except N½ SW¼, S½ SE¼; NW¼, N½ NE¼, N½ SW¼ Section 24; Section 25 except N½ NE¼; Section 26; Section 27 except SW¼ SW¼, SW¼ NW¼, NE¼ NW¼; Section 28 except SE¼ SE¼; Section 29 except S½ SW¼; Sections 30–31; Section 32 except N½ NW¼, NE¼ NW¼ ; Section 33 except NE¼ NE¼; NE¼, SW¼, SW¼ NW¼, SW¼ SE¼, NE¼ SE¼, NE¼ NW¼ Section 34; Section 35 except SW¼ SW¼, SW¼ SE¼.

T.17S., R.11W. Willamette Meridian: Section 1 except SE¼ SW¼, S½ SE¼; Section 2; S½, E½ NE¼, NW¼ NW¼, S½ NW¼ Section 3; Sections 4–5; Section 6 except S½ SE¼; S½ NE¼, S½, NE¼ NW¼, S½ NW¼ Section 7; Sections 8–9; NW¼, NW¼ SW¼ Section 10; Section 11 except SE¼ NW¼, W½ NW¼, SW¼; Section 12; SE¼ NE¼, N½ N½ Section 13; NE¼ NE¼, SW¼ SE¼, E½ SW¼ Section 14; Section 16 except E½ E½; W½, S½ SE¼, NW¼ SE¼ Section 17; Section 18; Section 19 except NW¼ NW¼, SW¼ SW¼; Section 20; W½, SW¼ NE¼, NW¼ SE¼ Section 21; E½ NE¼ Section 22; NW¼, W½ NE¼, N½ S½ Section 23; SE¼ SE¼ Section 24; Section 25 except N½ NW¼; E½ SE¼ Section 26; W½ Section 28; Section 29; S½ NW¼, NE¼, N½ SE¼, E½ SW¼, NE¼ NW¼ Section 30; Section 31 except NW¼, NW¼ NE¼, NW¼ SW¼; Section 32; W½ Section 33; SE¼, SE¼ NE¼ Section 34; Section 35 except N½ NW¼, NW¼ NE¼; Section 36.

T.17S., R.12W. Willamette Meridian: Section 1; Section 2 except W½ NW¼; SE¼, NE¼ SW¼ Section 3; NE¼, NE¼ SE¼ Section 10; N½ Section 11; Section 12 except S½ SW¼, NW¼ SW¼; E½ Section 13; E½ NE¼, E½ SE¼, NW¼ SE¼ Section 24.

T.18S., R.09W. Willamette Meridian: W½ NE¼, E½ NW¼, NW¼ NW¼ Section 1; Section 2 except S½ SE¼, NE¼ SE¼, SE¼ NE¼; Section 3; Section 4 except W½ SW¼; N½ NE¼ Section 5; N½ NE¼, NE¼ SE¼, SE¼ NE¼ Section 7; Section 8 except S½ S½, N½ NW¼; N½ N½, SW¼ NE¼ Section 9; E½ NE¼, SW¼ NE¼ Section 10; NE¼ NW¼ Section 11.

T.18S., R.10W. Willamette Meridian: N½ NE¼, SW¼ NE¼, NE¼ NW¼ Section 4; N½ NE¼, NW¼, W½ SW¼ Section 5; Section 6; N½ NE¼ Section 7; NW¼ NW¼ Section 8.

T.18S., R.11W. Willamette Meridian: Section 1 except SW¼ SW¼, SE¼ SE¼; N½, NW¼ SE¼ Section 2; NE¼, N½ SE¼, SE¼ SE¼ Section 3; NW¼ NW¼ Section 4; W½ NW¼, NE¼ NE¼, NE¼ NW¼ Section 5; Section 6 except SW¼ SW¼.

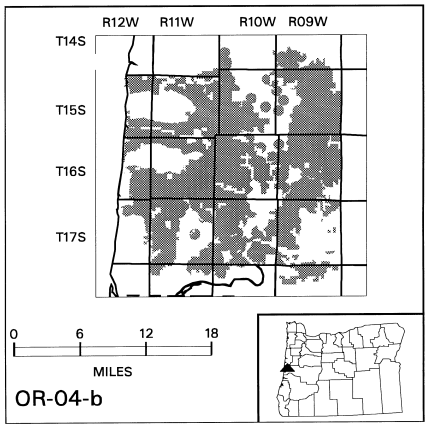
Critical Habitat includes only State lands described within the following areas:

T.17., R.08W. Willamette Meridian: S½ SE¼, NE¼ SE¼ Section 18; NE¼, NW¼ SE¼ Section 19.

T.17., R.09W. Willamette Meridian: N½ SW¼, SW¼ NE¼, S½ NW¼ Section 25; SE¼ NE¼, N½ SE¼ Section 26; Section 32 except N½ S½, E½ NE¼, SW¼ NW¼; S½ NW¼,

NE¼ NW¼, NW¼ NE¼, NE¼ SW¼, S½ SW¼ Section 33.

T.18S., R.09W. Willamette Meridian: W½ SW¼ Section 4; SE¼, S½ NE¼, N½ NW¼ Section 5; N½ SE¼, SE¼ NE¼ Section 9.



Map and description of OR–04–c taken from United States Fish and Wildlife Service 1:100,000 map; Reedsport, Eugene and Cottage Grove, Oregon; 1995.

Critical Habitat includes only Federal lands designated as Late Successional Reserves described within the following areas:

T.18S., R.09W. Willamette Meridian: SE¼ Section 23; Section 25; S½ SW¼, NW¼ SW¼, SW¼ SE¼ Section 26; Section 27 except N½, NW¼ SW¼; S½ SE¼ Section 28; S½ Section 32; Section 33 except NW¼ NW¼; Sections 34–36.

T.18S., R.10W. Willamette Meridian: SE¼ SE¼ Section 8; Section 9 except NE¼ SE¼, N½; NW¼ NW¼ Section 10; Section 15 except N1/2 NE¼, SE¼ NE¼; SW¼ SW¼ Section 16; Section 17 except NE1/4 NE¼; Section 18; Sections 19–20; E½ NE¼, SW¼ NW¼ Section 21; Section 22 except E½ NE¼, NW¼ NE¼, NE¼ SE¼; Section 23 except NE¼, N½ NW¼, NW¼ SE¼; Section 25; Section 26; Section 27 except SE¼ SW¼, N½ SW¼; W½ W½, E½ E½ Section 28; Section 29–32; Section 33 except E½ W½, NW¼ SW¼, SW¼ SE¼; Section 34 except SW¼, NE¼ NW¼, S½ NW¼, NW¼ SE¼; Section 35 except NE¼ NW¼.

T.18S., R.11W. Willamette Meridian: S½ S½ Section 11; S½ S½ Section 12; Section 13; Section 14 except NW¼ NW¼; Section 22 except N½ NW¼, SW¼ SW¼; Sections 23–26; E½, E½ NW¼ Section 27; S½ SW¼, W½ SE¼ Section 28; SE¼, NE¼ NE¼, S½ NE¼ Section 29; NE¼ NE¼ Section 32; Section 33–36.

T.19S., R.09W. Willamette Meridian: Sections 1–2; Section 3 except S½ SW¼, NW¼ SW¼; Section 4; Section 5 except NE¼ SW¼; Section 6 except N½ NW¼, E½ SE¼, S½ SW¼; Section 7 except N½ NE¼, SE¼ NE¼, W½ SW¼; Sections 8–9; E½ Section 11; E½ NW¼, NE¼ Section 12; Section 13; Section 15; Section 17; Section 18 except W½ SW¼; Sections 19–23; Section 24 except S½ SE¼, NE¼ SE¼, SE¼ NE¼; Section 25; N1/2 N1/2, SW¼ NW¼, W½ SW¼, S½ SE¼ Section 26; Sections 27–33; N½ NE¼, W½ W½ Section 34; Section 35; Section 36 except E½ NW¼, W½ NE¼, NE¼ SW¼.

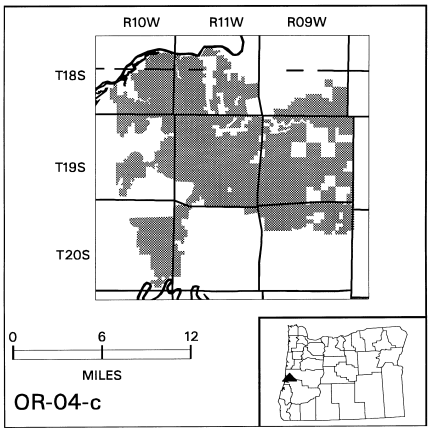
T.19S., R.10W. Willamette Meridian: Section 1; Section 2 except W½ SE¼, SE¼ NE¼; Section 3; Section 4 except S½ SE¼; Sections 5–8; Section 9 except E½ NE¼; Section 10 except N½ N½, SW¼ NW¼, SE¼ NE¼; Section 11 except N½ N½, SW¼ NW¼; Section 12 except E½ SE¼; Section 13 except S½ SE¼, NE¼ SE¼; Sections 14–23; Section 24 except N½ NE¼, NE¼ NW¼; Sections 25–26; Section 27 except SE¼ SE¼; Section 28; Section 29 except W½ SW¼; N½ Section 30; E½ SE¼ Section 31; Section 32 except S½ SE¼, SE¼ SW¼; Section 33–36.

T.19S., R.11W. Willamette Meridian: Section 1; N½ N½, W½ SW¼, SW¼ NW¼ Section 2; Section 3 except SW¼ SW¼; Section 4; Section 9 except E½ NE¼, S½ SW¼, NW¼ SW¼, SE¼, SE¼ SE¼; Section 10 except S½, W½ NW¼; Section 12 except N½ SW¼, SW¼ SW¼; Section 13; E½ SE¼, SW¼ SE¼ Section 14; SW¼ SE¼, SW¼ Section 15; SE¼ SE¼ Section 16; Section 21 except N½ NW¼; Section 22 except E½ NE¼; Section 23 except S1/2 SW¼; Section 24; NE¼, N½ NW¼ Section 25; NE¼ NE¼ Section 26; N½, W½ SW¼ Section 27; Section 28 except NE¼ SW¼; N½ NE¼, SE¼ NW¼, SW¼ NE¼, NW¼ SE¼, NE¼ SW¼ Section 33.

T.20S., R.09W. Willamette Meridian: Section 1 except SE¼ SW¼; Section 2 except SW¼ SW¼; Section 3 except S½ SE¼; Sections 4–6; Section 7 except W½ W½; Section 8; Section 9 except SE¼ SE¼; SE¼, S½ NW¼ Section 10; Section 11 except NW¼ NW¼; Section 12 except NE¼ NW¼, NW¼ SW¼; N½ NW¼, NW¼ NE¼ Section 13; NE¼ NW¼, N½ NE¼ Section 14.

T.20S., R.10W. Willamette Meridian: N½ Section 1; N½ NW¼ Section 5; Section 6 except NW¼ NW¼; W½, N½ NE¼, NW¼ SE¼, S½ SE¼ Section 7; Section 18 except SE¼ SW¼, E½ SE¼; SW¼, NW¼ SE¼, W½ NW¼, SE¼ NW¼, SW¼ NE¼ Section 19; W½ Section 30.

T.20S., R.11W. Willamette Meridian: Section 10 except S½ SW¼, NW¼ SW¼; Sections 11–14; E½ Section 15; NE¼ Section 22; Section 23 except SW¼; Section 24–25; NE¼, E½ SE¼ Section 26; N½ SE¼, S½ NE¼ Section 35; NW¼, N½ NW¼, N½ NE¼ Section 36.



Map and description of OR–04-d taken from United States Fish and Wildlife Service 1:100,000 map; Reedsport and Cottage Grove, Oregon; 1995.

Critical Habitat includes only Federal lands designated as Late Successional Reserves described within the following areas:

T.20S., R.10W. Willamette Meridian: S½ Section 11; W½ SW¼ Section 12; NW¼ SW¼ Section 13; NE¼, N½ SE¼, N½ NW¼ Section 14; SE¼ SE¼ Section 22; W½, S½ SE¼, NW¼ SE¼, W½ NE¼ Section 23; SW¼ NW¼ Section 25; Section 26; Section 27 except W½ W½, E½ SW¼; NE¼ Section 34; Section 35.

T.21S., R.09W. Willamette Meridian: S½ SW¼, NE¼ SW¼ Section 2; Section 3 except NW¼ NE¼; E½ E½, NE¼ SW¼, SW¼ SW¼ Section 5; SE¼, SW¼ NE¼, E½ SW¼, SE¼ NW¼ Section 6; Sections 7–8; Section 9 except S½ NE¼; SW¼, SE¼ NW¼ Section 10; Section 11; Section 14 except E½ E½; Section 15; Sections 17–19; NW¼ Section 20; Section 21; W½ NE¼ Section 22; Section 23; Section 29; Sections 31–33.

T.21S., R.10W. Willamette Meridian: Section 2–3; NE¼ NE¼ Section 4; SW¼, S½ SE¼, S½ NW¼ Section 6; Section 7; Section 8 except NE¼; W½ SW¼ Section 9; N½ E½ Section 10; Sections 11–14; Section 15 except W½ NW¼; NW¼ NW¼ Section 16; Sections 17–21; Section 22 except NW¼; Sections 23–35.

T.21S., R.11W. Willamette Meridian: SE¼ SE¼ Section 1; E½ NE¼ Section 12; S½ NE¼, S½ SW¼, NW¼, S½ SE¼, NE¼ SE¼ Section 23; Sections 24–25; Section 26 except N½ NW¼; Section 27 except N½ N½; Section 28 except N½ N½, N½ SW¼; NW¼, N½ NE¼, SW¼ NE¼ Section 33; N½, N½ SE¼ Section 34; Section 35 except S½ NW¼, SW¼, S½ SE¼; Section 36 except SW¼ SW¼.

T.22S., R.09W. Willamette Meridian: NE¼ NE¼, N½ NW¼, SW¼ NW¼, SW¼ Section 4; Section 5 except SW¼, S½ NW¼; Section 6 except SE¼, S½ NE ¼; Section 7 except E½ SE¼; Section 9 W½ SW¼; NW¼ SW¼, NW¼ NW¼ Section 17.

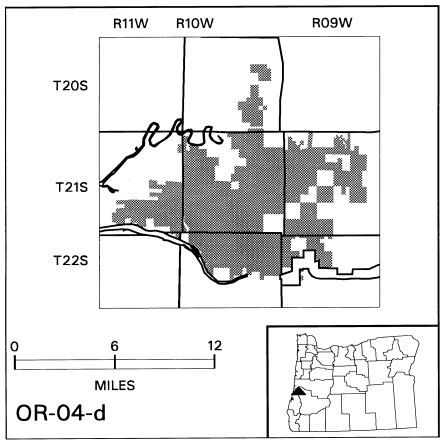
T.22S., R.10W. Willamette Meridian: Sections 1–5; E½ Section 6; Section 8 except W½ W½; Sections 9–12; N½ Section 13; N½ N½, SE¼ NE¼, SW¼ NW¼, NE¼ SE¼ Section 14; NW¼, W½ NE¼, NW¼ SW¼ Section 15; NE¼ Section 17.

T.22S., R.11W. Willamette Meridian: NE¼ Section 1.

DESCRIPTION OF LANDS USING PROTRACTED PUBLIC LAND SURVEY LINES

Critical Habitat includes only Federal lands designated as Late Successional Reserves described within the following areas:

T.22S., R.11W. Willamette Meridian: SE¼ NE¼ Section 1.



Map and description of OR–04-e taken from United States Fish and Wildlife Service 1:100,000 map; Cottage Grove and Roseburg, Oregon; 1995.

Critical Habitat includes only Federal lands designated as Late Successional Reserves described within the following areas:

T.23S., R.08W. Willamette Meridian: Section 3 except NW¼ NW¼; Section 5; S½, SE¼ NE¼, SW¼ NW¼ Section 6; Section 7; Section 9; NW¼, S½ S½, NW¼ SW¼ Section 11; Section 13 except N½ NE¼; Section 14 except N½ NE¼, NE¼ NW¼, W½ SW¼, SE¼ SW¼, S½ SE¼; Section 15; Section 17–19; Section 20 except N½ NE¼, SE¼ NE¼, NE¼ SE¼; Section 21; Section 23 except S½ NE¼, SW¼ NW¼; Section 27; Section 28 except N½ NE¼, SE¼ NE¼, NE¼ NW¼; Sections 29–33; Section 35 except E½ NE¼.

T.23S., R.09W. Willamette Meridian: Section 3 except NE¼; Sections 7–8; Section 13 except NE¼ SW¼, NW¼ SE¼; Sections 14–17; Section 20 except S½ N½; Sections 21–22; N½ Section 23; Sections 24–25; Section 26 except NW¼; Section 27; Section 28 except E½ SE¼; Section 29.

T.23S., R.10W. Willamette Meridian: Section 1.

T.24S., R.07W. Willamette Meridian: SE¼ NW¼ Section 6; Section 7; E½ Section 18; Section 19 except E½ E½, SW¼ SE¼.

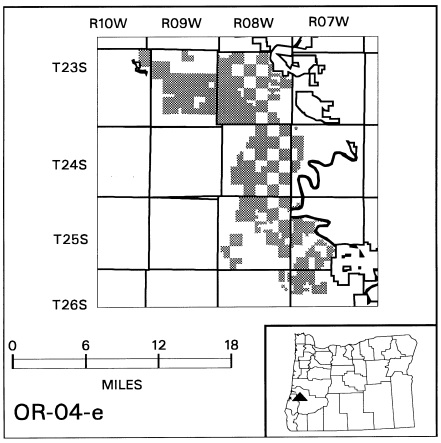
T.24S., R.08W. Willamette Meridian: Section 1; Section 3; E½, E½ SW¼ Section 9; Sections 10–11; Section 13; Section 15; SW¼ NE¼, SE¼ Section 17; Section 20 except NW¼; Section 21; SE¼ Section 22; Section 23; Section 25; Sections 27–29; Section 33; Section 35.

T.25S., R.07W. Willamette Meridian: S½ S½, NW¼ SE¼ Section 6; S½ S½ Section 7; S½ SW¼ Section 9; NW¼ NW¼ Section 15; Section 17; Section 18 except W½ W½; Section 19; NE¼ NW¼ Section 20; S½ S½, NW¼ SE¼ NE¼ SW¼ Section 21; Section 27 except NE¼ NE¼, E½ SE¼; SW¼ Section 28; SE¼, S½ NE¼, NE¼ NE¼, E½ SW¼ Section 29; NW¼ NW¼ Section 30; E½, E½ SW¼ Section 31; W½ Section 32; W½, W½ NE¼, NE¼ NE¼, NW¼ SE¼ Section 33; NW¼ NW¼ Section 34.

T.25S., R.08W. Willamette Meridian: Section 1; Sections 3–4; E½ E½ Section 5; Section 8 except W½; Section 9; N½ NE¼, NE¼ NW¼, NW¼ SW¼ Section 10; Section 11; NE¼ NE¼ Section 12; Section 13; S½ SW¼, NE¼ NW¼ Section 14; N½ N½, SW¼, SW¼ NW¼, SE¼ SE¼ Section 15; Section 20; Section 23; Section 24 except SE¼, W½ NW¼; Section 25; Section 30 except SW¼, W½ NW¼; Section 32 except SE¼.

T.26S., R.07W. Willamette Meridian: Section 5; Section 6 except NW¼; Section 7 except NW¼ SW¼, SW¼ NW¼; N½ NE¼, SE¼ NE¼, E½ SE¼, N½ SW¼, NW¼ NW¼ Section 8; Section 9 except N½ NW¼.

T.26S., R.08W. Willamette Meridian: W½, E½ SE¼, SE¼ NE¼ Section 1; NW¼ SE¼, SE¼ NW¼ Section 12.



Map and description of OR–04–f taken from United States Fish and Wildlife Service 1:100,000 map; Cottage Grove and Roseburg, Oregon; 1995.

Critical Habitat includes only Federal lands designated as Late Successional Reserves described within the following areas:

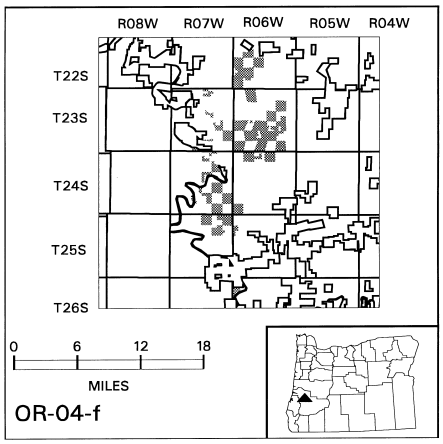
T.22S., R.06W. Willamette Meridian: S½, S½ NE¼ Section 17; Section 19; Section 21; Section 29; Section 30 except W½ NW¼, SE¼ NW¼, NW¼ SW¼; Section 31; NW¼ NE¼, NE¼ NW¼ Section 32.

T.23S., R.06W. Willamette Meridian: W½ W½ Section 4; Section 5; N½ NE¼, NE¼ NW¼ Section 8; NW¼ NW¼ Section 9; Section 19; Section 31; W½ NW¼, NW¼ SW¼ Section 32.

T.23S., R.07W. Willamette Meridian: N½ NW¼, S½ NE¼, N½ SW¼, NW¼ SE¼ Section 3; NE¼ NE¼ Section 4; SE¼ SE¼ Section 14; E½ NW¼, S½ NE¼, NE¼ SE¼ Section 15; Section 23 except N½ NW¼, SE¼ NW¼, W½ NE¼, SW¼ SW¼; Section 25; S½ S½ Section 27; S½ S½ Section 33.

T.24S., R.07W. Willamette Meridian: N½ NW¼ Section 2; S½ SW¼, NW¼ SW¼, SW¼ SE¼, SE¼ NE¼ Section 3; Section 11 except NE¼, NE¼ NW¼; N½ N½, W½ SW¼, SW¼ NW¼ Section 15; E½ SE¼, SE¼ NE¼, SW¼ SW¼ Section 21; Section 23; Section 25; Section 27 except SW¼, S½ NW¼; SE¼ SW¼, NW¼ SW¼, SW¼ NW¼ Section 28; Section 35.

T.25S., R.07W. Willamette Meridian: Section 1; NE¼ Section 2; Section 3; Section 11 except N½ NW¼; NW¼ SW¼ Section 12.



Map and description of OR–04–g taken from United States Fish and Wildlife Service 1:100,000 map; Cottage Grove, Oregon; 1995.

Critical Habitat includes only Federal lands designated as Late Successional Reserves described within the following areas:

T.21S., R.06W. Willamette Meridian: Section 31.

T.21S., R.07W. Willamette Meridian: W½ Section 7; Section 16 except NW¼; Section 17; N½ Section 18; Section 19; NW¼, N½ NE¼, SW¼ NE¼, NE¼ SW¼, NW¼ SE¼ Section 20; Section 21; Section 25; NE¼ Section

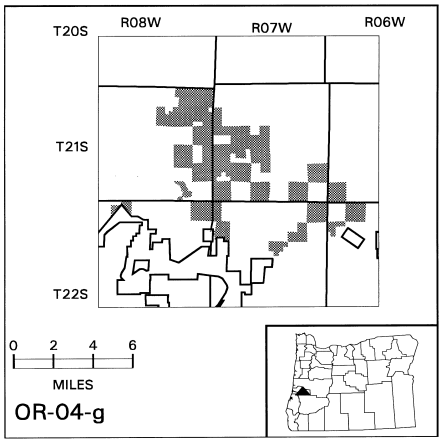
28; Section 29; N½, N½ SW¼, SW¼ SW¼, NE¼ SE¼ Section 30; Section 31; Section 33; Section 35.

T.21S., R.08W. Willamette Meridian: Section 1; Section 2 except W½ SW¼; Section 10 except N½ NE¼; Section 11; Section 12 except S½ SW¼, NE¼ NE¼; Section 13; Section 23; E½ Section 24; Section 25; N½ N½ Section 26; Section 35 except SW¼ NW¼, E½ NE¼, SE¼ SE¼, NW¼ SW¼.

T.22S., R.06W. Willamette Meridian: Section 5; NW¼, N½ NE¼, N½ SW¼ Section 7.

T.22S., R.07W. Willamette Meridian: Section 1; W½ Section 6; Section 7 except W½ NW¼; Section 11 except NW¼; NW¼, N½ NE¼, SW¼ NE¼, NE¼ SW¼ Section 15.

T.22S., R.08W. Willamette Meridian: Section 1; NE¼, S½ NW¼, N½ SW¼, SW¼ SW¼ Section 5; NE¼ SE¼ Section 12.



Map and description of OR–04–i taken from United States Fish and Wildlife Service 1:100,000 map; Eugene and Cottage Grove, Oregon; 1995.

Critical Habitat includes only Federal lands designated as Late Successional Reserves described within the following areas:

T.17S., R.06W. Willamette Meridian: SE¼ SE¼ Section 35; SW¼ SW¼ Section 36.

T.17S., R.07W. Willamette Meridian: Section 11; S½, SW¼ NW¼ Section 13; Section 15; NW¼, S½ S½, NW¼ NE¼ Section 19; SE¼ Section 25; Section 29 except E½ W½, W½ NE¼.

T.17S., R.08W. Willamette Meridian: Section 13 except N½ NW¼; Section 17 except SW¼, NE1/ 4 NE¼, NW¼ NW¼; Section 21; S½ SW¼, NW¼ NW¼ Section 22; Section 23; Section 25; Section 27; NE¼ SW¼ Section 28; E½ E½ Section 33; Section 35.

T.18S., R.06W. Willamette Meridian: Section 5 except SW¼ SW¼; SE¼ Section 11; Section 19; Section 21 except E½ SE¼, SE¼ NE¼; SW¼ Section 23; Section 27 except S½ NE¼; Section 31; NE¼, W½ SE¼, E½ SW¼ Section 35.

T.18S., R.07W. Willamette Meridian: Section 1; N½ Section 7; Section 17 except SE¼ SW¼, NW¼ SW¼; Section 19; Section 21; Section 25; Section 27; Section 29; Section 31; Section 33 except NE¼ SW¼, NW¼ SE¼; Section 35.

T.18S., R.08W. Willamette Meridian: E½ NW¼, NW¼ NE¼ Section 1; E½ NE¼ Section 2; Section 3; Section 4 except NE¼, NW¼ NW¼, N½ SE¼, SE¼ SE¼; Section 9; Section 11 except E½ SE¼, SW¼ SE¼, SE¼ SW¼; Section 13 except N½ NE¼, E½ NW¼, W½ SW¼; N½ N½, S½ SW¼, NE¼ SE¼, SE¼ NE¼, SW¼ NW¼ Section 15; Section 19; Section 21 except E½ NW¼, NW¼ SE¼; S½, SE¼ NE¼, SW¼ NW¼ Section 23; Section 25; Section 27; SE¼ Section 28; Section 29 except E½ NE¼; Section 31; NW¼ NE¼ Section 32; Section 33 except NE¼; Section 35 except S½ SW¼, SW¼ SE¼.

T.19S., R.06W. Willamette Meridian: Section 1 except N½ NW¼, SW¼ NW¼; Section 3; Section 5; Section 7 except N½ NE¼; NW¼ SW¼, W½ NW¼ Section 8; E½, S½ SW¼, SE¼ NW¼ Section 15; Section 17 except NE¼ NE¼, SW¼ NW¼; Section 19 except SE¼ SE¼; E½ NW¼, SW¼ NE¼ Section 20; Section 21; Section 23; Section 25; Section 27; Section 29; Section 31; Section 33; SE¼ NE¼ Section 34; Section 35.

T.19S., R.07W. Willamette Meridian: Section 1 except S½ SE¼, SE¼ SW¼; Section 3 except SW¼ SE¼, SW¼ SW¼; S½, E½ NE¼, NW¼ NW¼ Section 5; Section 7; Section 9 except N½ NW¼, SW¼ NW¼; Section 11 except N½ N½, SE¼ NW¼, SW¼ NE¼; Section 13; Section 15; Section 17; Section 19 except N½ SW¼; Section 21; Section 23; N½ NE¼, S½ SE¼ Section 25; Section 27; Section 29; S½, W½ NW¼ Section 30; Section 31; W½ NW¼ Section 32; Section 33; Section 35 except NW¼ NE¼.

T.19S., R.08W. Willamette Meridian: Section 1; Section 5; N½ NW¼ Section 6; Section 7; SW¼, W½ SE¼ Section 8; W½ Section 9; NE¼, E½ NW¼, NW¼ NW¼, NE¼ SE¼ Section 13; Section 17; N½ S½, SE¼ NE¼, NW¼ NW¼ Section 18; Section 19; Section 21; SE¼ SE¼ Section 22; Section 23; SE¼ SE¼ Section 24; Section 25; NW¼ Section 26; Section 27; SE¼ SE¼ Section 28; Section 29; SE¼, SW¼ SW¼ Section 30; Section 31; W½ W½ Section 32; Section 33; Section 35.

T.20S., R.06W. Willamette Meridian: Section 1 except S½ SW¼; Section 3 except E½ SW¼, SW¼ SW¼; SE¼ NE¼ Section 4; Section 5; S½ S½ Section 6; Section 7; Section 9; Section 11 except W½ NW¼, NW¼ SW¼, SE¼ NE¼; Section 13; Section 15; Section 17; W½ W½, E½ SE¼ Section 18; Section 19; Section 21; Section 23; N½ SE¼, SW¼ SE¼ Section 26; Section 27; Section 29; Section 31; E½ NE¼ Section 32; SE¼, NW¼, NW¼ NE¼, S½ NE¼, SE¼ SW¼ Section 33; Section 35 except S½ SW¼.

T.20S., R.07W. Willamette Meridian: Section 1; E½ E½ Section 2; Section 3 except

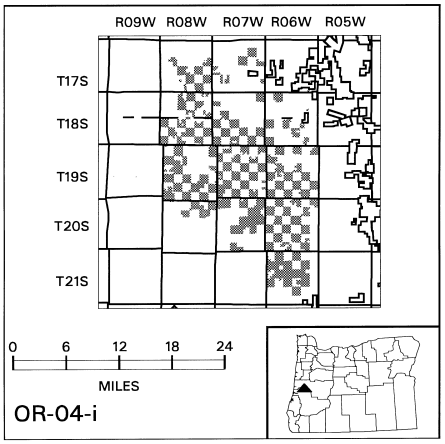
NE¼ NW¼; Section 5; Section 6 except N½ N½; N½ N½ Section 7; Section 11; Section 12 except E½ E½, NW¼ SE¼, SW¼ NE¼; Section 13–15; Section 21; Section 22 except SE¼, SE¼ NE¼; Section 23 except W½ SW¼, SW¼ NW¼; Section 33 except E½ NE¼; SW¼ Section 34.

T.20S. R.08W. Willamette Meridian: Section 1; SW¼ Section 2; Section 3; SE¼ SE¼ Section 4; N½ NE¼ Section 6; E½ E½ Section 8; Section 9; Section 11; W½ W½ Section 12.

T.21S., R.06W. Willamette Meridian: Section 3; Section 5; W½ SW¼, SW¼ NW¼, SE¼ SW¼ Section 6; Section 7; Section 8 except SE¼; Section 9; Section 11; Section 14 except NE¼; Sections 15–17; Section 18 except NW¼ NW¼, S½ NW¼, NE¼, NW¼ SE¼, E½ SW¼, SW¼ SW¼; Section 19; NW¼ NE¼ Section 20; Section 21; S½ NE¼, N½ SE¼ Section 22; Section 23; Section 27.

Critical Habitat includes only State lands described within the following areas:

T.17S., R.08W. Willamette Meridian: SE¼ NW¼ Section 28.



Map and description of OR–04–j objective taken from United States Fish and Wildlife Service 1:100,000 map; Eugene, Oregon; 1995.

Critical Habitat includes only Federal lands designated as Late Successional Reserves described within the following areas:

T.13S., R.06W. Willamette Meridian: S½ Section 31.

T.14S., R.06W. Willamette Meridian: NW¼, W½ SW¼ Section 6; Section 7; W½ W½ Section 18; W½ W½ Section 19; W½ W½ Section 30; Section 31.

T.14S., R.07W. Willamette Meridian: Section 1; Section 9; Section 11 except E½ SE¼; Section 12 except S½ SW¼; Section 13 except SW¼, SW¼ SE¼; SE¼ SW¼ Section 14; Section 17; Section 19; Section 20 except NW¼ NW¼, E½ NW¼, NE¼, E½ SE¼; Section 21 except W½ NW¼, NE¼ NW¼; Section 23 except SW¼ SE¼; S½ SE¼, NE¼ SE¼, SE¼ NE¼ Section 24; Section 25; Section 26 except N½ N½, SE¼ SW¼; Section 27; S½ Section 28; Sections 29–34.

T.14S., R.08W. Willamette Meridian: Section 19 except N½ N½, SW¼ NE¼, NW¼ SE¼; E½ SE¼ Section 20; S½ SE¼, SW¼ Section 21; S½ SW¼, W½ SE¼ Section 22; S½ SW¼ Section 23; E½ SE¼, NE¼ Section 25; NW¼ Section 26; Section 27; E½ SW¼ Section 28; Section 29 except N½ N½; Section 30 except N½ NE¼, SE¼ NE¼, SE¼, NE¼ NW¼; Section 31 except N½ S½; Section 32; Section 33 except S½ S½; NW¼, N½ NE¼, NW¼ SW¼ Section 34.

T.15S., R.06W. Willamette Meridian: Section 29; Section 31; Section 33 except NE¼, E½ SE¼, SW¼ NW¼; SE¼ SE¼ Section 34; SW¼ SW¼ Section 35.

T.15S., R.07W. Willamette Meridian: Section 3 except SW¼ SW¼; Section 4 except E½ NE¼, N½ SE¼; Sections 5–6; Section 7 except S½ SW¼, N½ SE¼; NW¼ NE¼ Section 8; Sections 18–21; Section 25 except SE¼ NE¼; Section 27; Section 29; Section 31; Section 33 except NE¼; SE¼ NW¼, SE¼ NE¼, NE¼ SE¼, SW¼ SE¼ Section 35.

T.15S., R.08W. Willamette Meridian: Section 1; S½, NE¼ NE¼ Section 2; S½ SE¼ Section 3; SW¼ SW¼ Section 4; Section 5 except S½ NE¼, SE¼ NW¼, SW¼, N½ SE¼; Section 6 except SE¼ NW¼, S½ SW¼, SW¼ NE¼, SE¼; Section 7 except N½ N½, SE¼ NE¼; Section 9 except E½ E½, SW¼ SE¼; Section 11; Sections 13–14; Section 15 except NW¼ NW¼; Sections 16–20; Section 21 except SW¼ NW¼; Sections 22–27; N½ Section 28; Sections 29–31; N½, W½ SW¼ Section 32; Section 33; Section 35; W½ Section 36.

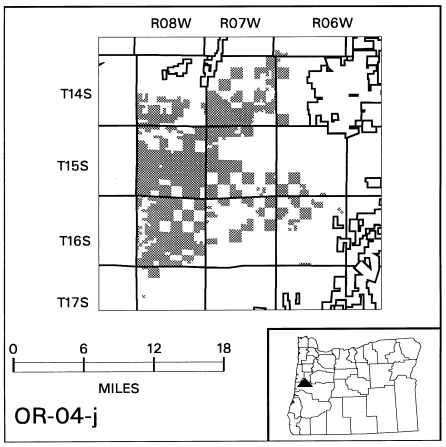
T.16S., R.06W. Willamette Meridian: SE¼, E½ SW¼, NW¼ SW¼, SW¼ NW¼ Section 3; Section 5 except S½ SW¼, NW¼ SW¼, SW¼ NW¼; Section 7 except S½ SE¼, NE¼ SE¼; Section 9; SW¼ NE¼, NE¼ NW¼ Section 12; NW¼, N½ NE¼, W½ SE¼, SW¼ SW¼ Section 17; S½ S½ Section 33.

T.16S., R.07W. Willamette Meridian: Section 1; Section 3 except S½ SW¼; Section 5 except W½ SW¼; S½ SW¼ Section 6; Section 7 except NE¼, S½ NW¼, NE¼ SE¼; NE¼, N½ SE¼, SE¼ NW¼ Section 11; Section 13; E½, SW¼ Section 15; W½ NW¼ Section 18; S½ Section 19; Section 21.

T.16S., R.08W. Willamette Meridian: Section 1; Sections 3–4; Section 5 except S½ NW¼, SW¼ NE¼, NW¼ SW¼; NW¼, N½ SW¼, SW¼ SW¼, NW¼ NE¼ Section 6; Section 7 except W½, S½ NE¼, N½ SE¼; Sections 8–9; W½ W½ Section 10; Section 11; Section 13 except S½ SE¼; Section 15; Section 17 except SW¼ NW¼; Section 18 except NW¼, W½ E½, NE¼ NE¼, SE¼ SW¼; Section 19 except E½ SW¼, S½ NE¼, NW¼ NE¼, SE¼ NW¼; Section 20 except W½ SE¼, S½ SW¼; Sections 21–23; SW¼ SW¼, SW¼ SE¼ Section 24; Section 25; N½ Section 26; Section 27; Section 28 except S½ SE¼; Section 29 except NW¼ NW¼; S½ SE¼, SE¼

NE¼ Section 30; Section 31 except N½ NW¼; Section 32 except SE¼, Section 33; S½ Section 34; N½, NW¼ SE¼ Section 35.

T.17S., R.08W. Willamette Meridian: Section 5; N½ NE¼ Section 6.



Map and description of OR–04–k taken from United States Fish and Wildlife Service 1:100,000 map; Corvallis, Eugene, Oregon; 1995.

Critical Habitat includes only Federal lands designated as Late Successional Reserves described within the following areas:

T.12S., R.07W. Willamette Meridian: SE¼, S½ SW¼, S½ NE¼ Section 10; Section 11 except N½ N½; W½ W½ Section 13; Sections 14–15; Section 16 except NW¼ NW¼; Section 19 except N½ N½; Section 20 except SW¼ SW¼; Sections 21–23; W½, S½ SE¼ Section 24; Section 25; Section 26 except SW¼; Section 27; Section 28 except NE¼ NW¼; Sections 29–31; Section 32 except NW¼, NW¼ NE¼; Sections 33–35; W½ W½, NE¼ NW¼ Section 36.

T.12S., R.08W. Willamette Meridian: SW¼, SW¼ NW¼, S½ SE¼ Section 3; NE¼, N½ SW¼, S½ SE¼ Section 5; N½ SE¼ Section 8; Section 9 except NE¼ NE¼, W½ SW¼, SE¼ SW¼, W½ SE¼; SE¼, NE¼ NE¼ Section 10; Section 11 except N½ NE¼, SE¼ SE¼; S½ Section 12; E½, E½ SW¼ Section 13; N½ NW¼, NE¼, SE¼ SW¼ Section 15; N½ NE¼ Section 16; Section 17 except NW¼, NW¼ NE¼; SW¼, W½ SE¼, SW¼ NW¼ Section 18; W½, SW¼ SE¼ Section 19; S½ NE¼ Section 20; Section 21; Section 22 except NW¼ NW¼; SE¼, S½ SW¼ Section 23; W½ W½ Section 24; Section 25; N½ Section 26; Section 27; Section 29 except NE¼; W½ SW¼, N½ NW¼, NW¼ NE¼, NE¼ SE¼ Section 30; Section 31; Section 33 except SE¼, W½ NE¼; Section 35 except SW¼ NW¼, NW¼ SW¼.

T.12S., R.09W. Willamette Meridian: SE¼ SE¼ Section 13; E½ E½ Section 24.

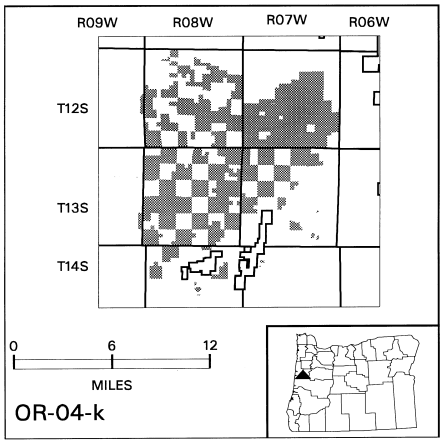
T.13S., R.07W. Willamette Meridian: Section 2 except N½ NE¼, NE¼ NW¼, SE¼ NE¼, NE¼ SE¼; Section 3; Section 5; W½ Section 6; Section 7; Section 9; N½ NW¼, SW¼ NW¼ Section 15; Section 17; SW¼ SW¼ Section 18; Section 19 except NE¼ SE¼; E½ NW¼, NE¼ SW¼, W½ NE¼ Section 21; S½ SE¼ Section 23; SW¼, W½ SE¼, SW¼ NW¼ Section 27; N½ SE¼, SE¼ NE¼, NW¼ NE¼, E½ NW¼ Section 35.

T.13S., R.08W. Willamette Meridian: Section 1; NE¼ Section 2; Section 3 except N½ NE¼, SW¼ NE¼; Section 5; S½ Section 6; Section 7; E½ SE¼ Section 8; Section 9 except NW¼ NE¼; Section 11; W½ NW¼, SE¼ NW¼, E½ SE¼, NW¼ SE¼, SE¼ NE¼, NE¼ SW¼ Section 12; Section 13; E½, NE¼ SW¼ Section 14; Section 15; Section 17; Sections 19–21; Section 23; W½ W½, SE¼ NW¼, SE¼ NE¼ Section 24; Section 25; W½ SE¼, E½ SW¼, SW¼ SW¼ Section 26; Section 27; Section 29; NW¼, SW¼ SE¼ Section 30; Section 31; SE¼ SE¼, SW¼ NW¼ Section 32; Section 33; SW¼ NW¼ Section 34; Section 35 except E½ SE¼, SW¼ SE¼.

T.13S., R.09W. Willamette Meridian: E½ E½ Section 25.

T.14S., R.07W. Willamette Meridian: SW¼ SW¼ Section 5; NE¼ NE¼ Section 7.

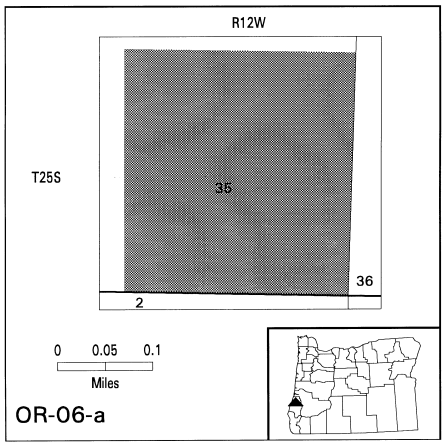
T.14S., R.08W. Willamette Meridian: N½ NE¼, NE¼ NW¼ Section 3; Section 5 except S½ SE¼; Section 7 except W½ W½, NE¼ NW¼, NE¼ NE¼; Section 11 except NW¼, NW¼ NE¼, N½ SW¼; N½ SW¼, W½ NW¼ Section 15.



Map and description of OR–06–a taken from United States Fish and Wildlife Service 1:100,000 map; Coos Bay, Oregon; 1995.

Critical Habitat includes only Federal lands designated as Late Successional Reserves described within the following areas:

T.25S., R.12W. Willamette Meridian: SE¼ SE¼ Section 35.



Map and description of OR–06–b taken from United States Fish and Wildlife Service 1:100,000 map; Roseburg, Oregon; 1995.

Critical Habitat includes only Federal lands designated as Late Successional Reserves described within the following areas:

T.25S., R.10W. Willamette Meridian: Section 31; Section 33.

T.26S., R.09W. Willamette Meridian: SE¼, E½ SW¼ Section 9; Section 10 except NE¼; Section 17; S½ S½ Section 18; Section 19; SW¼ Section 20; Section 21; N½ N½, S½ S½ Section 28; Section 29; Section 31 except N½ SW¼, SW¼ SW¼; SW¼, W½ SE¼, SE¼ NW¼ Section 32; Section 33.

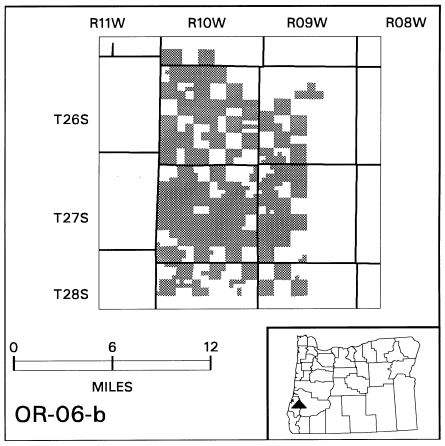
T.26S., R.10W. Willamette Meridian: Sections 3–5; E½, SE¼ NW¼ Section 6; Section 7; SW¼, S½ NE¼ Section 8; Section 9; Section 11; Section 13; N½ Section 14; Sections 15–17; Section 19; SE¼ Section 20; N½ Section 21; W½ Section 22; Section 23; N½ N½, N½ S½ Section 24; Section 25; Section 27; NE¼ Section 28; Sections 29–31; E½ Section 32; Section 33; Section 35 except SE¼.

T.27S., R.09W. Willamette Meridian: Sections 4–5; SE¼, NE¼ NE¼, SE¼ SW¼ Section 6; Section 7 except NW¼ SW¼; N½ NW¼, W½ SW¼ Section 8; Section 9; Section 17; Section 18 except SW¼, SE¼ SE¼; Sections 19–21; Sections 29–31; E½ SE¼, SW¼ SE¼ Section 33.

T.27S., R.10W. Willamette Meridian: E½ E½, W½ SE¼ Section 1; Section 3; W½ SW¼, SW¼ NW¼ Section 4; Section 5; S½ SE¼ Section 6; Sections 7–9; NE¼, SE¼ SE¼ Section 10; Section 11; S½ NW¼, W½ SW¼, SE¼ SE¼ Section 12; Sections 13–15; N½ Section 16; Sections 17–20; Sections 21–23; W½ NW¼, NW¼ SW¼ Section 24; Sections 25–29; NE¼, SW¼ SW¼ Section 30; Section 31; W½ W½, SE¼ NW¼, NE¼ SW¼ Section 32; Section 33; SW¼ NW¼ Section 34; Section 35.

T.28S., R.09W. Willamette Meridian: SE¼ SW¼ Section 4; Section 5; Section 7; Section 9.

T.28S., R.10W. Willamette Meridian: Section 1; Section 3 except E½ SE¼; N½ SE¼ Section 4; Section 5; N½ NE¼, NE¼ NW¼, SE¼ SE¼ Section 6; Section 7 except W½ NW¼, NW¼ SW¼; S½ N½, NE¼ NW¼ Section 8; Section 9 except NE¼; N½ NE¼, E½ NW¼, E½ SE¼ Section 11; NW¼ NW¼ Section 12.



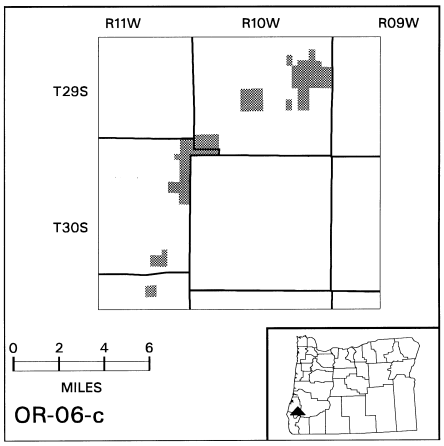
Map and description of OR–06–c taken from United States Fish and Wildlife Service 1:100,000 map; Roseburg and Canyonville, Oregon; 1995.

Critical Habitat includes only Federal lands designated as Late Successional Reserves described within the following areas:

T.29S., R.10W. Willamette Meridian: S½ SE¼, W½ SW¼ Section 11; SW¼ NW¼, W½ SW¼, SE¼ SW¼ Section 12; Section 13; E½ W½, E½ Section 14; NE¼ NE¼ Section 20; Section 21; E½, W½ SW¼ Section 23; Section 31.

T.30S., R.11W. Willamette Meridian: E½, SE¼ SW¼ Section 1; E½ Section 12; E½, NW¼ Section 13; N½ SE¼, S½ NE¼, NE¼ NE¼, NE¼ SW¼, SE¼ NW¼ Section 35.

T.31S., R.11W. Willamette Meridian: SW¼ Section 2.



Map and description of OR–06–d taken from United States Fish and Wildlife Service 1:100,000 map; Roseburg, Oregon; 1995.

Critical Habitat includes only Federal lands designated as Late Successional Reserves described within the following areas:

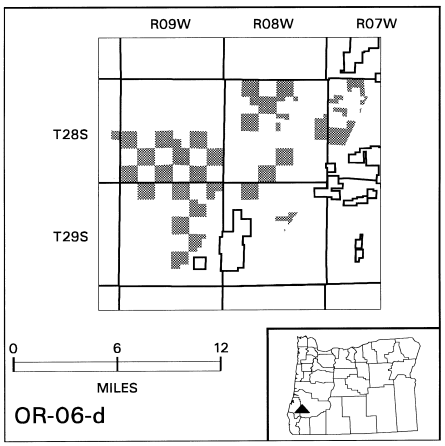
T.28S., R.08W. Willamette Meridian: Section 3; Section 5; NE¼ Section 8; Section 9; N½ NW¼ Section 10; NW¼ NW¼ Section 11; N½ NW¼, W½ NE¼, W½ SW¼ Section 15; Section 17; Section 27; Section 33.

T.28S., R.09W. Willamette Meridian: Section 19; Section 21; SW¼ Section 22; Section 23; Section 25; Section 27; Section 29; Section 31; Section 33; Section 35.

T.28S., R.10W. Willamette Meridian: NE¼ Section 24.

T.29S., R.08W. Willamette Meridian: Section 5.

T.29S., R.09W. Willamette Meridian: Section 1 except SE¼; Section 3; Section 5; Section 11 except N½ NE¼; Section 15; Section 23 except S½ SE¼, NE¼ SE¼, SE¼ NE¼; Section 27 except S½ SE¼.



Map and description of OR–07–a taken from United States Fish and Wildlife Service 1:100,000 map; Port Orford, Oregon; 1995.

Critical Habitat includes only Federal lands designated as Late Successional Reserves described within the following areas:

T.31S., R.12W. Willamette Meridian: N½ NW¼, SW¼ NW¼ Section 5; SE¼, E½ SW¼, SW¼ SW¼, NE¼ NW¼ Section 15; Section 21; Section 22 except SE¼; Section 23 except E½ NE¼, SW¼ NE¼; W½ NW¼ Section 25; Section 27.

T.32S., R.10W. Willamette Meridian: Section 2 except E½ E½; Section 3 except E½ NE¼, SW¼ NE¼, SW¼ SW¼; E½ SE¼, SE¼ NE¼ Section 4; S½ Section 7; SW¼ SW¼, E½ SE¼, NE¼ NE¼, S½ NE¼ Section 8; Section 9 except SE¼, S½ NE¼; Section 10; Section 11 except E½ E½, W½ SE¼, E½ SW¼; N½ NW¼, W½ SW¼, SW¼ NW¼ Section 15; Sections 16–17; Section 18 except E½ SE¼, SE¼ NE¼; Section 19 except S½ NW¼, NE¼ NW¼, NW¼ NE¼, E½ SE¼, SW¼ SE¼; Section 20–21; W½ NW¼ Section 22.

T.32S., R.11W. Willamette Meridian: SE¼ Section 1; N½ N½, SW¼ NW¼ Section 4; Section 5; N½, NE¼ SE¼ Section 6; NE¼ SE¼ Section 7; Section 8 except SW¼ NW¼; W½ Section 9; Section 12 except SW¼ SW¼; Section 13; SE¼, E½ SW¼ Section 14; W½ Section 16; Section 17; Section 18 except N½ NW¼, E½ SW¼, NW¼ SE¼; Section 19; Section 20 except S½ SE¼; SE¼ Section 22; Section 23 except SE¼ NE¼, NW¼ NW¼; Section 24 except S½ NW¼, N½ SW¼; Section 25 except E½ E½; Section 26; NE¼ Section 27; E½, NE¼ SW¼, S½ SW¼ Section 28; S½ S½, NW¼ NW¼, NW¼ SW¼ Section 29; Sections 30–34; Section 35 except NE¼ NE¼; W½ W½ Section 36.

T.32S., R.12W. Willamette Meridian: E½ NE¼, N½ SE¼, SW¼ SE¼ Section 1; W½ NW¼ Section 2; Section 3; Section 10; E½ SE¼, SE¼ NE¼ Section 13; W½, NW¼ NE¼ Section 15; Sections 19–20; W½, W½ NE¼

Section 21; SE¼ SE¼ Section 23; E½ E½, S½ SW¼ Section 24; Section 25; Section 26 except N½ NW¼; S½ S½, NE¼ SW¼ Section 27; SE¼ SE¼ Section 28; N½ NW¼, SW¼ NW¼ Section 29; Section 30 except SE¼ SE¼; W½, W½ E½, S½ SE¼ Section 31; E½, E½ SW¼ Section 33; Sections 34–36.

T.32S., R.13W. Willamette Meridian: Section 4 except N½ N½; S½ Section 5; S½, SE¼ NE¼ Section 6; N½ N½, SE¼ NE¼, S½ S½, NE¼ SE¼ Section 7; Section 8; Sections 22–23; S½, S½ N½ Section 24; Sections 25–27; E½ NE¼, NE¼ SE¼ Section 31; Sections 32–36.

T.32S., R.14W. Willamette Meridian: N½ Section 17; W½ SW¼, SE¼ SW¼ Section 19; NE¼, N½ SE¼ Section 22; Section 23 except S½ S½, NE¼ SE¼; Section 24 except W½ SW¼, NW¼ NE¼, NE¼ NW¼; E½ NE¼, NW¼ NE¼, NE¼ SE¼ Section 25; S½ Section 29; SE¼, SE¼ SW¼, SE¼ NE¼, NW¼ NW¼ Section 30; Section 31 except W½ W½, NE¼ SW¼, E½ NW¼; Section 32 except SE¼ SE¼.

T.33S., R.11W. Willamette Meridian: Sections 7–8; Section 9 except E½ NW¼, W½ NE¼; Sections 10–11; W½ Section 12; N½ NE¼ Section 13; Section 14 except SE¼, SE¼ SW¼; Sections 15–20; Section 21 except SE¼; Section 22 except SE¼ SE¼; W½ NW¼, NW¼ SW¼ Section 23; N½ NW¼, SW¼ NW¼ Section 27; S½ NE¼, N½ SE¼, SE¼ SW¼ Section 28; W½, N½ NE¼ Section 29; Sections 30–31; Section 32 except N½ NE¼; NW¼ NW¼ Section 33.

T.33S., R.12W. Willamette Meridian: Section 7 except W½ SW¼; Section 8; W½ SW¼, SE¼, W½ NW¼ Section 9; Section 10 except N½ NW¼; Sections 11–32; Section 33 except E½ SE¼; Section 34 except N½ SW¼; Sections 35–36.

T.33S., R.13W. Willamette Meridian: E½ Section 8; Sections 9–11; Section 12 except SE¼ SE¼; Section 13 except N½ NE¼, NE¼ NW¼, SW¼ NW¼, NW¼ SW¼; Section 14 except S½ S½, NE¼ SW¼; SW¼, E½ NE¼, NW¼ NW¼ Section 15; S½, S½ NW¼ Section 16; SE¼, SE¼ NE¼ Section 17; Sections 19–20; Section 21 except SE¼; E½ NE¼ Section 22; Section 23 except SW¼ SW¼, N½ NW¼, NW¼ NE¼; Sections 24–25; S½ SE¼, SE¼ SW¼ Section 26; NW¼ Section 28; Section 29 except S½ SW¼, SE¼; Section 30 except S½ SE¼; NW¼, N½ SW¼ Section 31; E½ NE¼, SE¼ Section 34; Sections 35–36.

T.33S., R.14W. Willamette Meridian: Section 7 except N½ N½, S½ NE¼, E½ SE¼, NW¼ SW¼, SW¼ NW¼; S½ SE¼ Section 13; SW¼ SW¼ Section 15; S½ SE¼, NW¼, NW¼ SW¼, NW¼ SE¼ Section 17; SE¼ Section 18; NW¼, N½ NE¼, SE¼ NE¼ Section 20; Section 21 except NW¼ NW¼, SW¼; Section 22 except SW¼, E½ NE¼; Section 23 except N½ N½, SW½ NE¼; Sections 24–28; Section 29 except NW¼; Sections 32–35; Section 36 except NW¼, E½ SE¼.

T.34S., R.11W. Willamette Meridian: NW¼, NW¼ NE¼ Section 4; Sections 5–6; Section 7 except NE¼ SE¼; NW¼ NW¼, E½ NE¼, SW¼ NE¼ Section 8; W½ NW¼ Section 9; NE¼ Section 18; N½ NW¼, SW¼ NW¼, NW¼ SW¼, SE¼ Section 19; NE¼, E½ NW¼ Section 30; W½ SW¼, SW¼ NW¼ Section 31.

T.34S., R.12W. Willamette Meridian: Sections 1–3; Section 4 except W½ SW¼; Section 5 except S½ S½; Section 6 except N½ NE¼; Section 7 except E½ NE¼, SE¼; SE¼ Section 8; Sections 9–36.

T.34S., R.13W. Willamette Meridian: Sections 1–2; NE¼, N½ SE¼, E½ NW¼ Section 3; Sections 11–14; E½ Section 15; SW¼, W½ SE¼ Section 17; Section 20 except NW¼ SW¼, S½ SW¼; Section 21 except NW¼ NW¼; Section 22 except NW¼ NE¼; Section 23 except NW¼ NW¼; Sections 24–26; N½, NE¼ SE¼ Section 27.

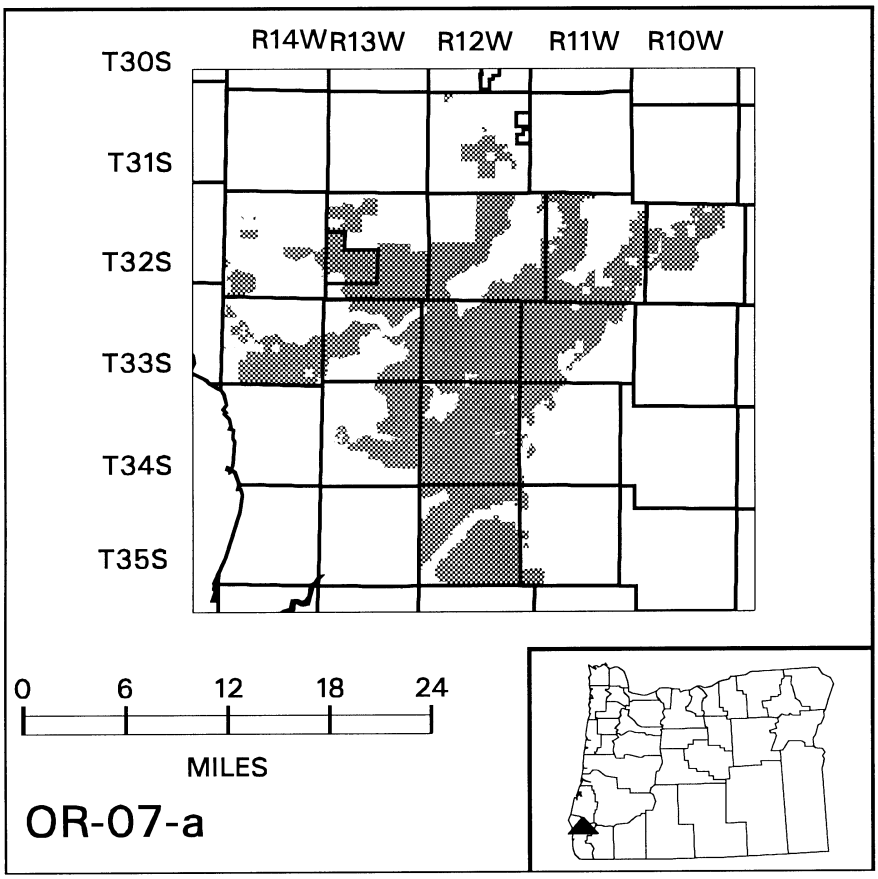
T.35S., R.11W. Willamette Meridian: SW¼, W½ NW¼ Section 6; NW¼ Section 7; S½ SW¼ Section 18; N½ NW¼, NE¼ SW¼ Section 19; Section 31; W½ Section 32.

T.35S., R.12W. Willamette Meridian: Sections 1–4; Section 5 except SW¼ SW¼, NE¼ SW¼; Section 6 except SE¼ SE¼, SW¼ SW¼; SE¼ SW¼, E½ Section 7; Sections 8–9; N½, NW¼ SW¼ Section 10; N½ N½, SW¼ NW¼, SW¼ SE¼ Section 11; NE¼ NE¼ Section 12; Section 13 except SE¼ NE¼, NE¼ SE¼, N½ N½; Section 14; Section 15 except NW¼; SE¼ SE¼, W½ NE¼, NW¼, N½ SW¼ Section 16; Sections 17–19; Section 20 except E½ NE¼, N½ SE¼; Section 21 except NW¼, NW¼ NE¼, NW¼ SW¼; Sections 22–28; Section 29 except N½ NW¼, SW¼ NW¼, W½ NE¼; Section 30 except SE¼ NE¼, SE¼, SE¼ SW¼; Section 32 except SW¼ SW¼; Sections 33–36.

DESCRIPTION OF LANDS USING PROTRACTED PUBLIC LAND SURVEY LINES

Critical Habitat includes only Federal lands designated as Late Successional Reserves described within the following areas:

T.32S., R.13W. Willamette Meridian: Sections 18–21; Sections 28–29; N½, NW¼ SW¼ Section 30.



Map and description of OR–07-b taken from United States Fish and Wildlife Service 1:100,000 map; Port Orford and Gold Beach, Oregon; 1995.

Critical Habitat includes only Federal lands designated as Late Successional Reserves described within the following areas:

T.35S., R.12W. Willamette Meridian: Section 31 except E½ E½, N½ N½, SW¼ NW¼.

T.35S., R.13W. Willamette Meridian: NW¼, N½ NE¼, S½ SE¼, S½ SW¼, NW¼ SW¼ Section 31; N½ N½ Section 32; N½ Section 33; N½, NE¼ SE¼ Section 34; Section 35; W½, NW¼ NE¼ Section 36.

T.36S., R.12W. Willamette Meridian: Sections 1–4; NE¼, E½ SE¼, SE¼ NW¼, N½ NW¼, NW¼ SE¼ Section 5; E½ E½, W½ SE¼, SW¼ NE¼ Section 8; Sections 9–17; S½ SE¼ Section 18; NE¼, E½ SE¼ Section 19; Sections 20–23; Section 24 except SE¼ SE¼; N½ NW¼ Section 25; Section 26 except N1/2 SE1/4; Sections 27–29; NE¼, E½ SE¼, NW¼ SE¼, E½ NW¼ Section 30; SE¼, E½ SW¼, E½ NE¼, SW¼ SW¼ Section 31; Sections 32–35; SW¼, W½ NW¼ Section 36.

T.36S., R.13W. Willamette Meridian: S½ S½, E½ NE¼, NE¼ SE¼, N½ NW¼ Section 1; SW¼, S½ SE¼, NE¼ NE¼ Section 2; Section 3; NE¼, N½ SE¼, N½ NW¼ Section 4; Section 5; NW¼, SE¼, NE¼ SW¼, E½ NE¼, SW¼ NE¼ Section 6; N½, SW¼ SE¼, NW¼ SW¼ Section 7; Section 8 except SE¼ NE¼, NE¼ SE¼; Section 9 except NW¼ NE¼, NE¼ NW¼, SW¼ NW¼, NW¼ SW¼; Sections 10–11; Section 12 except E½ SE¼, SE¼ NE¼; Section 13 except SE¼, E½ SW¼; Section 14 except SW¼; Section 15 except W½ NW¼, NW¼ SW¼; N½ NE¼, SW¼, S½ SE¼ Section 17; E½, E½ SW¼ Section 18; E½ SE¼, NE¼, S½ SW¼, NE¼ NW¼ Section 19; NW¼, SW¼

NE¼ Section 20; E½, NE¼ SW¼ Section 22; Section 23; Section 24 except NE¼; Sections 25–26; Section 27 except N½ NW¼, SW¼ NW¼; SE¼ SE¼, NW¼ NW¼ Section 28; Sections 29–32; W½ W½, E½ E½ Section 33; Section 34; N½, W½ SW¼ Section 35; N½ N½ Section 36.

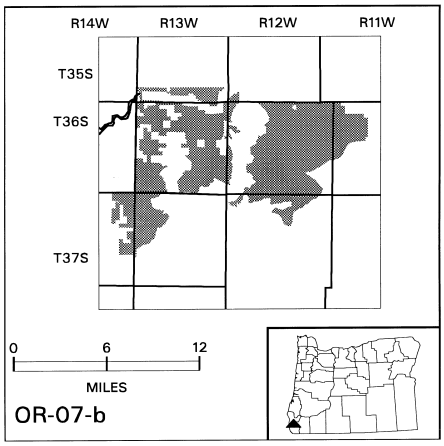
T.36S., R.12 ½W. Willamette Meridian: Section 1 except SE¼ NE¼, SE¼; S½, NW¼ Section 12; NW¼, N½ NE¼ Section 13; W½ Section 24; W½ Section 25; W½ NW¼ Section 36.

T.37S., R.12W. Willamette Meridian: NW¼ NW¼ Section 1; Section 2 except SE¼, SE¼ SW¼; Section 3 except NW¼ SW¼; Section 4 except NE¼ SE¼; N½ N½, S½ NW¼ Section 5; Section 6 except S½, SE¼ NW¼; NE¼, E½ SE¼, N½ NW¼ Section 9; W½, NW¼ NE¼ Section 10.

T.37S., R.13W. Willamette Meridian: W½, N½ NE¼ Section 5; Sections 6–8; W½ W½, NE¼ SW¼, SE¼ NW¼ Section 9; W½, W½ NE¼, NE¼ NE¼ Section 17; Section 18; N½ NE¼, NW¼, W½ SW¼ Section 19; NW¼ NW¼ Section 20; NW¼ NW¼ Section 30.

T.37S., R.14W. Willamette Meridian: Section 1 except SW¼ SW¼; E½ SE¼, NE¼ Section 2; E½ Section 11; Section 12 except W½ NW¼, N½ SW¼; SE¼, N½ N½ Section 13; Section 24 except NW¼ NE¼.

T.37S., R.12 ½W. Willamette Meridian: Section 1 except N½ NW¼, S½ SW¼.



Map and description of OR–07–c taken from United States Fish and Wildlife Service 1:100,000 map; Gold Beach, Oregon; 1995.

Critical Habitat includes only Federal lands designated as Late Successional Reserves described within the following areas:

T.37S., R.12W. Willamette Meridian: E½ SW¼, W½ SE¼, SE¼ SE¼ Section 17; SE¼ SE¼ Section 18; Section 19 except N½ NW¼; Section 20; W½ W½ Section 21; S½ SE¼, SW¼, NW¼, NW¼ SE¼ Section 28; Sections 29–33; W½, NW¼ SE¼, SW¼ NE¼ Section 34; S½ SE¼, SE¼ SW¼ Section 35.

T.37S., R.13W. Willamette Meridian: SE¼, E½ SW¼, S½ NE¼ Section 24; Section 25; Section 26 except NE¼ NW¼, NW¼ NE¼; E½ E½ Section 27; SE¼, E½ NE¼, E½ SW¼ Section 34; Sections 35–36.

T.37S., R.12 ½W. Willamette Meridian: Section 24 except NW¼ NW¼; Sections 24–25; Section 36.

T.37 ½S. R.11W. Willamette Meridian: W½ SW¼, SW¼ NW¼ Section 31.

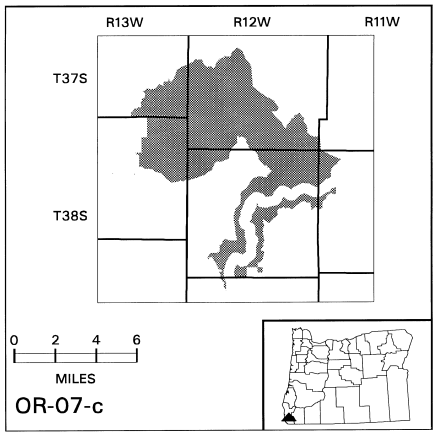
T.37 ½S. R.12.W. Willamette Meridian: Section 25 except E½; Section 26 except E½ NW¼; Sections 27–32; Section 33 except S½ SW¼; Sections 34–35; Section 36 except N½ NE¼.

T.38S., R.11W. Willamette Meridian: Section 6 except N½ NE¼, S½ SE¼, NE¼ SE¼; W½, W½ SE¼, Section 7; NW¼, W½ SW¼, NW¼ NE¼ Section 18.

T.38S., R.12W. Willamette Meridian: Sections 1–2; Section 3 except W½ SW¼, SE¼ SW¼; NE¼ NE¼ Section 4; NW¼, W½ NE¼ Section 5; Section 6; N½ NW¼ Section 7; S½ S½, NE¼, N½ SE¼, NE¼ SW¼ Section 9; Sections 10–12; N½ N½, S½ NE¼, NW¼ SE¼ Section 13; N½, N½ S½ Section 14; Sections 15–16; E½ SE¼ Section 17; E½ E½ Section 20; Section 21; W½ W½, NE¼ NW¼, NW¼ NE¼ Section 22; W½ Section 27; Section 28; Section 29 except NW¼ NW¼; S½ SE¼ Section 30; N½ NE¼ Section 31; Section 32; Section 33 except S½ SE¼; W½ NW¼, NW¼ SW¼ Section 34.

T.38S., R.13W. Willamette Meridian: Sections 1–2; SE¼ SE¼ Section 3; E½ E½, SW¼ SE¼ Section 10; Sections 11–13; Section 14 except S½ SW¼, SW¼ SE¼; NE¼ Section 15; N½ N½ Section 24.

T.39S., R.12W. Willamette Meridian: N½ NW¼, SE¼ NW¼, NE¼ SW¼, NE¼ NE¼ Section 5.



Unit OR–07–d: Curry and Josephine Counties, Oregon. From United States Fish and Wildlife Service 1:100,000 map; Gold Beach and Grants Pass, Oregon; 1995.

Critical habitat includes only Federal lands designated as Late Successional Reserves described within the following areas:

T.38S., R.11W. Willamette Meridian: S ½ SE ¼, NE ¼ SE ¼, SE ¼ NE ¼ Section 31.

T.39S., R.11W. Willamette Meridian: SW ¼, SW ¼ SE ¼ Section 4; S ½, ½ NW ¼ Section 5; E ½, E ½ W ½ Section 6; Section 7 except NW ¼ NW ¼; Section 8 except SW ¼ SW ¼; Section 9; W ½ W ½, E ½ SW ¼ Section 10; NW ¼, SW ¼ SW ¼ Section 15; Section 16 except NW ¼ SW ¼, SW ¼ NW ¼; N ½ NE ¼, SE ¼ SW ¼, S ½ SE ¼ Section 17; Section 18 except N ½ NE ¼; Sections 19–20; Section 21 except SE ¼ SE ¼; W ½ NW ¼ Section 22; NW ¼ NW ¼, W ½ SW ¼, SE ¼ SW ¼, SW ¼ SE ¼ Section 29; Sections 30–32; SW ¼, S ½ NW ¼, W ½ SE ¼ Section 33.

T.39S., R.12W. Willamette Meridian: S ½ S ½ Section 1; S ½ S ½, N ½ SE ¼ Section 2; S ½ Section 3; Section 10 except SE ¼ SE ¼; Section 11 except S ½ SW ¼; Section 12; Section 13 except SW ¼, SW ¼ NW ¼; NE ¼ NE ¼ Section 14; W ½, W ½ E ½, E ½ SE ¼ Section 19; S ½, E ½ NE ¼ Section 20; Section 21; S ½ S ½, NW ¼ SW ¼, W ½ NW ¼, NE ¼ SE ¼ Section 22; S ½, S ½ N ½ Section 23; Sections 24–36.

T.39S., R.13W. Willamette Meridian: Section 33.

T.40S., R.10W. Willamette Meridian: SE ¼, S ½ SW ¼, E ½ NE ¼ Section 2; S ½ SW ¼ Section 3; SE ¼ SE ¼ Section 4; SE ¼, S ½ NE ¼ Section 8; Section 9 except N ½ NW ¼; Section 10; Section 11 except E ½ NW ¼, NE ¼ SE ¼, S ½ SE ¼; NW ¼ NW ¼ Section 14; Section 15 except SE ¼ SE ¼; Section 16; Section 17 except N ½ NW ¼, SW ¼ NW ¼; Section 19 except NW ¼, NW ¼ SW ¼, NW ¼ NE ¼; Section 20; Section 21 except SE ¼ SE ¼; N ½ NW ¼, SW ¼ NW ¼ Section 22; N ½ NW ¼, SW ¼ NW ¼ Section 28; Section 29; Sections 30–31; Section 32 except SE ¼ SE ¼.

T.40S., R.11W. Willamette Meridian: N ½ NW ¼, SW ¼ NW ¼, NW ¼ NE ¼ Section 4; Sections 5–8; W ½ NW ¼, S ½ SE ¼, SW ¼ Section 9; Section 16 except E ½ E ½; Sections 17–21; E ½ SE ¼, SW ¼ SE ¼ Section 25; Section 27 except E ½, NE ¼ NW ¼; Sections 28–33; W ½ Section 34; SE ¼ SE ¼, SE ¼ NE ¼ Section 35; Section 36.

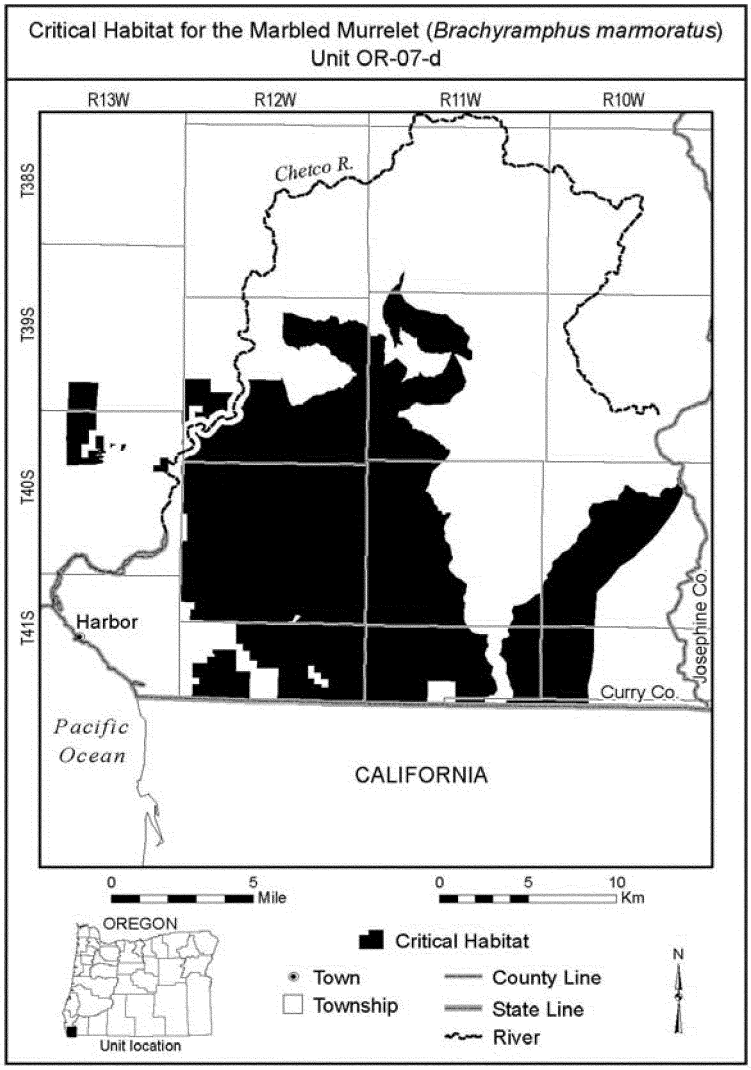
T.40S., R.12W. Willamette Meridian: Sections 1–30; Section 31 except W ½ SW ¼, SW ¼ NW ¼; Sections 32–36.

T.40S., R.13W. Willamette Meridian: Section 4 except SE ¼ SE ¼; W ½, NW ¼ NE ¼, S ½ SE ¼, NE ¼ SE ¼ Section 9; W ½, NE ¼ Section 10; SE ¼ SW ¼ Section 12; N ½ NW ¼ Section 13.

T.41S., R.10W. Willamette Meridian: Section 5 except E ½ E ½; Sections 6–7; Section 8 except E ½ E ½; Section 17 except E ½ E ½; Section 18.

T.41S., R.11W. Willamette Meridian: Section 1; Section 2 except NW ¼ NE ¼, NE ¼ NW ¼; Sections 3–15; Sections 17–18.

T.41S., R.12W. Willamette Meridian: Sections 1–4; Section 5 except W ½, SW ¼ SE ¼; Section 7 except NW ¼, W ½ SW ¼, NW ¼ NE ¼; W ½, S ½ SE ¼ Section 8; Section 9 except S ½ S ½, NW ¼ SW ¼; Section 10; Section 11 except SE ¼ SW ¼, W ½ SW ¼; Sections 12–13; Section 14 except NE ¼ NW ¼, NW ¼ NE ¼; Section 15; Section 17; Section 18 except W ½ W ½.



Unit OR–07–f: Curry and Josephine Counties, Oregon. From United States Fish and Wildlife Service 1:100,000 map; Port Orford, Canyonville, Gold Beach and Grants Pass, Oregon; 1995.

Critical habitat includes only Federal lands designated as Late Successional Reserves described within the following areas:

T.32S., R.09W. Willamette Meridian: Section 34.

T.32S., R.10W. Willamette Meridian: Section 25; E ½, NE ¼ NW ¼, SE ¼ SW ¼ Section 26; Section 35 except W ½ NW ¼; Section 36 except SE ¼ SW ¼, SW ¼ SE ¼.

T.33S., R.09W. Willamette Meridian: NW ¼ SW ¼ Section 2; Sections 3–4; Section 5 except SE ¼ NW ¼, E ½ SW ¼; Section 6 except SE ¼; Section 7 except E ½ NW ¼, W ½ NE ¼; Section 8 except NE ¼ NW ¼; Section 9 except S ½ SE ¼; NW ¼ NE ¼, N ½ NW ¼, SW ¼ NW ¼ Section 10; NW ¼, N ½ NE ¼, SW ¼ NE ¼, N ½ SW ¼ Section 17; Section 18; NW ¼ NE ¼, N ½ NW ¼, SW ¼ NW ¼ Section 19.

T.33S., R.10W. Willamette Meridian: Section 1 except NE ¼, N ½ SW ¼, S ½ NW ¼; Section 2 except NE ¼ SE ¼; Section 3 except NW ¼, N ½ NE ¼, SW ¼ SW ¼, N ½ SW ¼; Section 9 except W ½, N ½ NE ¼, SW ¼ SE ¼; Section 10; Section 11 except NE ¼ NW ¼; Section 12 except NW ¼, SE ¼ NE ¼; Sections 13–14; Section 15 except W ½ SW ¼; Section 21 except W ½; Sections 22–23; Section 24 except S ½ SE ¼, SE ¼ SW ¼; Section 26 except SE ¼, E ½ NE ¼, SE ¼ SW ¼; Section 27; Section 28 except N ½ NW ¼; Section 29 except NW ¼ SW ¼; SE ¼ SE ¼ Section 30; Section 31 except W ½, W ½ SE ¼; Sections 32–33; Section 34 except SE ¼, SE ¼ NE ¼, SE ¼ SW ¼.

T.34S., R.10W. Willamette Meridian: NW ¼, NW ¼ NE ¼, NW ¼ SW ¼ Section 4; Section 5; Section 6 except NW ¼ NE ¼, N ½ NW ¼, SW ¼ NW ¼; Section 7; NW ¼, NW ¼ NE ¼, NW ¼ SW ¼ Section 8; N ½ NW ¼, NW ¼ NE ¼, SW ¼ NW ¼ Section 18.

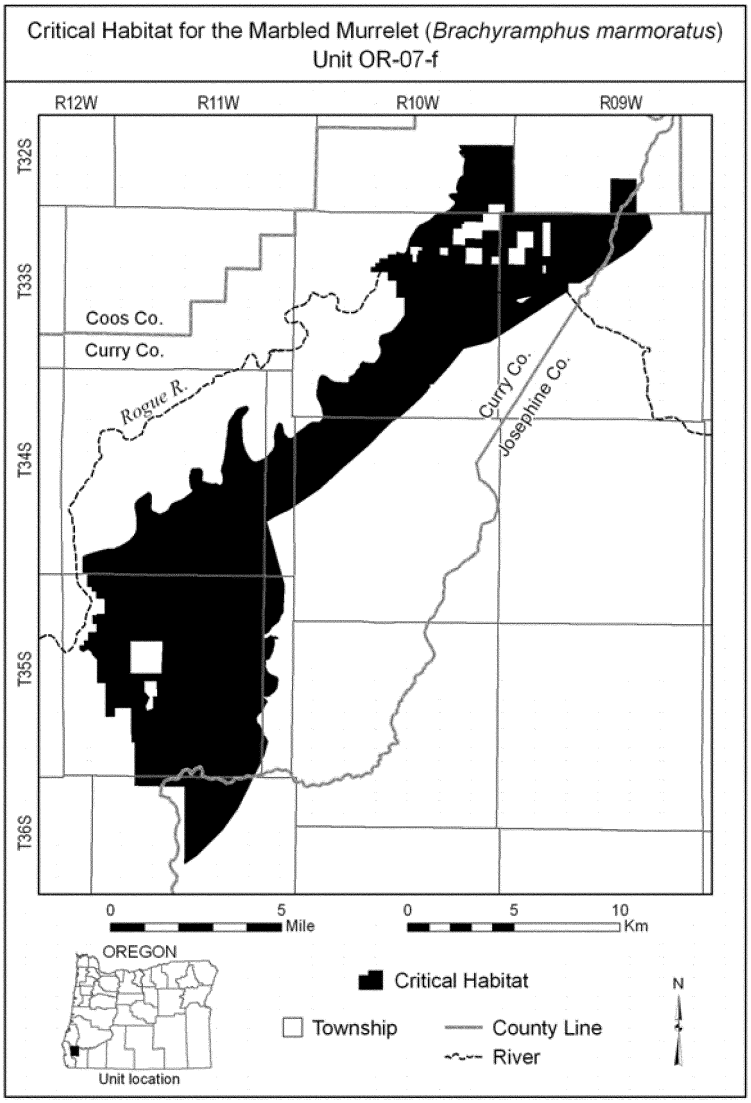
T.34S., R.10 ½ W. Willamette Meridian: S ½ Section 7; Section 18 except NW ¼ NW ¼; Section 19; N ½ NW ¼, W ½ SW ¼ Section 30; W ½ NW ¼, SW ¼ Section 31.

T.34S., R.11W. Willamette Meridian: E ½ SE ¼, SE ¼ NE ¼ Section 11; Section 12 except E ¼; Section 13 except NE ¼; E ½ E ½, SW ¼ SW ¼ Section 14; SE ¼ SE ¼ Section 15; Section 21 except N ½, E ½ SE ¼, NW ¼ SW ¼; Section 22 except NW ¼, W ½ NE ¼, NW ¼ SE ¼, N ½ SW ¼, SW ¼ SW ¼; Section 23 except NE ¼ NW ¼, NW ¼ NE ¼; Sections 24–28; S ½ NE ¼, SE ¼ Section 31; Section 32 except N ½ NW ¼; Sections 33–36.

T.35S., R.10 ½ W. Willamette Meridian: Section 6 except E ½ E ½; Section 7 except E ½ E ½, W ½ SE ¼, NE ¼ SW ¼; Section 18 except E ½, E ½ SW ¼; NW ¼, W ½ SW ¼, NW ¼ NE ¼ Section 19; W ½ SW ¼ Section 30.

T.35S., R.11W. Willamette Meridian: Sections 1–4; Section 5 except SW ¼ SW ¼; E ½ NE ¼ Section 6; E ½ E ½ Section 7; Sections 8–15; Section 17; E ½ NE ¼, NW ¼ NE ¼ Section 18; Section 20 except SW ¼ NW ¼, W ½ SW ¼; Section 21 except SW ¼ NE ¼; Sections 22–28; NE ¼ NW ¼, E ½ E ½ Section 29; Section 33 except W ½ SW ¼; Section 34–36.

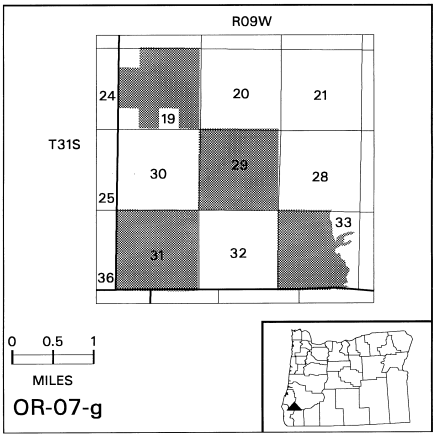
T.36S., R.11W. Willamette Meridian: NW ¼, NW ¼ NE ¼, N ½ SW ¼, SW ¼ SW ¼ Section 2; Section 3; N ½ N ½, SE ¼ NE ¼, E ½ SE ¼ Section 4; NE ¼ NW ¼, N ½ NE ¼ Section 5; E ½ E ½ Section 9; Section 10 except S ½ SE ¼, NE ¼ SE ¼; NW ¼ NW ¼ Section 11; NW ¼ NW ¼ Section 15; E ½ NE ¼ Section 16.


Critical Habitat for the Marbled Murrelet (Brachyramphus marmoratus)
Unit OR-07-f
R12W
R11W
R10W
R09W
T32S
T33S
T34S
T35S
T36S
Coos Co.
Curry Co.
Rogue R.
Curry Co.
Josephine Co.
0
5
Mile
0
5
10
Km
OREGON
Unit location
Critical Habitat
Township
County Line
River
N

Map and description of OR–07–g taken from United States Fish and Wildlife Service 1:100,000 map; Canyonville, Oregon; 1995.

Critical Habitat includes only Federal lands designated as Late Successional Reserves described within the following areas:

T.31S., R.09W. Willamette Meridian: Section 19 except NW¼ NW¼, SW¼ SW¼, SW¼ SE¼; Section 29; Section 31; Section 33 except NE¼ NE¼.

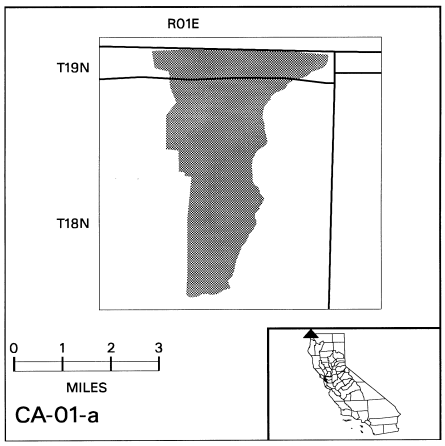


Map and description of CA–01–a taken from United States Fish and Wildlife Service 1:100,000 map; Grants Pass, Oregon; Crescent City and Happy Camp, California; 1995.

Critical Habitat includes only Federal lands designated as Late Successional Reserves described within the following areas:

T.18N., R.01E. Humboldt Meridian: NW¼ NW¼ Section 1; W½, NE¼, NW¼ SE¼ Section 2; Section 3; E½ Section 4; NE¼, E½ SE¼ Section 9; Section 10; W½ NE¼, NW¼, SW¼, Section 11; W½ Section 14; Section 15; NE¼ NE¼ Section 16; Section 22; NW¼, NW ¼ SW¼ Section 23; N½, N½ SW¼, NW¼ SE¼ Section 27.

T.19N., R.01E. Humboldt Meridian: Section 33 except W½ SW¼; Sections 34–35; Section 36 except SE¼ SE¼.



Map and description of CA–01–b taken from United States Fish and Wildlife Service 1:100,000 map; Crescent City and Happy Camp, California; 1995.

Critical Habitat includes only Federal lands designated as Late Successional Reserves described within the following areas:

T.17N., R.02E. Humboldt Meridian: SW¼ SE¼, SE¼ SW¼ Section 29; Section 31 except N½ NW¼, SW¼ NW¼; W½, W½ NE¼ Section 32.

T.17N., R.01E. Humboldt Meridian: S½ SW¼ Section 35; SE¼, SE¼ SW¼ Section 36.

T.16N., R.03E. Humboldt Meridian: S½ SW¼, NW¼ SW¼, SW¼ SE¼ Section 17; SE¼, E½ SW¼, SW¼ SW¼, S½ NE¼, SE¼ NW¼ Section 18; Sections 19–20; SW¼, S½ NW¼, Section 21; W½ SW¼, SW¼ NW¼ Section 27; Section 28 except NE¼ NE¼; Sections 29–33; S½ NW¼, SW¼, W½ SE¼, SE¼ SE¼ Section 34.

T.16N., R.02E. Humboldt Meridian: W½, SW¼ SE¼ Section 5; Sections 6–8; W½ Section 9; W½ NW¼, SW¼, S½ SE¼ Section 16; Section 17; Section 18 except W½ NW¼, SE¼ NW¼; Sections 19–21; Section 22 except N½ NE¼, SE¼ NE¼; SW¼ SW¼ Section 23; S½, S½ NE¼, NE¼ NE¼ Section 25; Section 26 except NE¼ NE¼; Sections 27–29; N½ N½, SE¼ NE¼ Section 30; Section 32 except SW¼; Sections 33–36.

T.16N., R.01E. Humboldt Meridian: Sections 1–2; SE¼, E½ NE¼ Section 3; NE¼, SW¼ NW¼, NE¼ NW¼ Section 10; N½, SE½ SE¼, N½ S½ Section 11; Section 12; S½ SE¼ Section 13; NE¼ Section 24.

T.15N., R.03E. Humboldt Meridian: Sections 2–6; N½, N½ SW¼ Section 7; SE¼, S½ SW¼, NE¼ SW¼ Section 8; Sections 9–10; W½, W½ NE¼ Section 11; SW¼ SW¼ Section 13; Section 14 except N½ NE¼, SE¼ NE¼; Sections 15–17; Section 18 except NW¼, NW¼ SW¼; NE¼, NE¼ NW¼ Section 19; Section 20 except SW¼; Sections 21–23; W½ NW¼, NW¼ SW¼ Section 24; Section 27 except E½ E½,

SW¼ SW¼; Section 28 except S½, SW¼ NE¼, SE¼ NW¼; NE¼, NW¼ SE¼, NE¼ SW¼, E½ NW¼ Section 29.

T.15N., R.02E. Humboldt Meridian: Sections 1–3; N½ NW¼, NE¼, E½ SE¼ Section 4; NE¼ NE¼ Section 5; Section 10 except W½ SW¼; Sections 11–12; Section 13 except E½ NE¼, SE¼; Section 14; NE¼, E½ SE¼, NW¼ SE¼ Section 15; E½ SE¼ Section 22; Section 23 except SE¼ NE¼, SW¼ SE¼; SW¼ Section 24; Section 25 except E½ NE¼; Section 26 except NE¼ NE¼; S½, S½ N½ Section 27; SE¼, SE¼ SW¼, S½ NE¼ Section 28; Section 33–34; Section 35 except E½ E½.

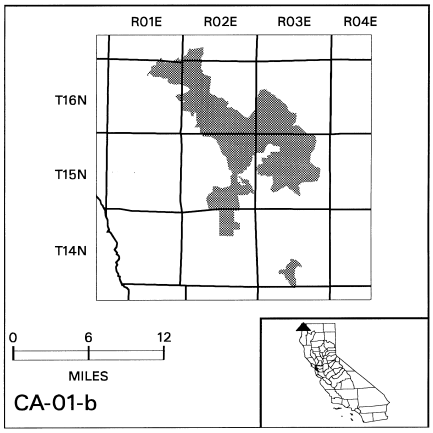
T.14N., R.02E. Humboldt Meridian: N½ NW¼, W½ W½, NW¼ NE¼ Section 2; Section 3; N½ N½, E½ E½ Section 4; E½ E½ Section 9; Section 10; NW¼, N½ SW¼, W½ NE¼, NW¼ SE¼ Section 11; NW¼ NW¼ Section 14; N½ N½ Section 15.

DESCRIPTION OF LANDS USING PROTRACTED PUBLIC LAND SURVEY LINES

Critical Habitat includes only Federal lands designated as Late Successional Reserves described within the following areas:

T.14N., R.03E. Humboldt Meridian: SE¼ SE¼ Section 21; SW¼ SW¼ Section 22; W½ SW¼, W½ NE¼, NW¼ Section 27; Section 28 except NW¼; SE¼ SE¼ Section 29; E½ Section 33 except W½ W½, E½ SW¼, SW¼ SE¼; W½ W½ Section 34.

T.13N., R.03E. Humboldt Meridian: NW¼ NW¼ Section 3.



Map and description of CA–01–c taken from United States Fish and Wildlife Service 1:100,000 map; Happy Camp and Hoopa, California; 1995.

Critical Habitat includes only Federal lands designated as Late Successional Reserves described within the following areas:

T. 11N., R.06E. Humboldt Meridian: N½ NW¼, SW¼ NW¼, W½ SW¼ Section 30.

T. 11N., R.05E. Humboldt Meridian: W½ NE¼, NW¼, E½ SW¼, W½ SE¼ Section 36.

DESCRIPTION OF LANDS USING PROTRACTED PUBLIC LAND SURVEY LINES

Critical Habitat includes only Federal lands designated as Late Successional Reserves described within the following areas:

T. 14N., R.05E. Humboldt Meridian: S½ Section 7; Section 18 except E½ SE¼, SE¼ NE¼; W½, NW¼ NE¼ Section 19; W½ SW¼, NW¼ NW¼ Section 30; Section 31 except NE¼, NE¼ NW¼; SW¼ SW¼ Section 32.

T. 14N., R.04E. Humboldt Meridian: SE¼, SE¼ SW¼ Section 12; Section 13 except W½ W½, Sections 24–25; E½ NE¼ Section 26; SE¼, E½ NE¼ Section 35; Section 36.

T. 13N., R.05E. Humboldt Meridian: SW¼, W½ NW¼, NE¼ NW¼, W½ SE¼ Section 5; Sections 6–7; Section 8 except NE¼, NE¼ SE¼; S½ S½ Section 9; E½ SW¼, SW¼ SW¼, W½ SE¼ Section 10; NW¼, N½ SW¼, W½ NE¼, NW¼ SE¼, SE¼ SE¼ Section 15; Section 16 except SE¼ SE¼; Sections 17–21; Section 22 except SE¼ SE¼; N½ NW¼ Section 27; N½ NW¼, NW¼ NE¼ Section 28; Section 29 except E½ SE¼; Sections 30–31, Section 32 except E½ NE¼; S½ SE¼ Section 35; SW¼, W½ SE¼, SE¼ SE¼ Section 36.

T. 13N., R.04E. Humboldt Meridian: Section 1; Section 2 except NW¼; S½ SE¼ Section 3; SE¼ SE¼ Section 9; Section 10 except NW¼ NW¼; Sections 11–15; E½ E½ Section 16; SE¼, S½ NE¼, NE¼ NE¼, S½ SW¼ Section 21; Sections 22–28; Section 29 except N½ N½; Section 30 except N½ N½; Sections 31–36.

T. 13N., R.03E. Humboldt Meridian: S½ Section 25; S½ SE¼ Section 26; Section 35 except W½ NW¼; Section 36.

T. 12N., R.06E. Humboldt Meridian: W1/2 SW¼ Section 6; SW¼ Section 7; W½, W½ SE¼ Section 18; N½ NW¼, NW¼ NE¼ Section 19.

T. 12N., R.05E. Humboldt Meridian: Section 1; Section 2 except NW¼, NW¼ SW¼; S½ S½, NW¼ SW¼ Section 3; Section 4 except N½ NE¼, SE¼ NE¼; Sections 5–11; Section 12 except S½ NE¼; Sections 13–23; Section 24 except E½ SE¼, SE¼ NE¼; Section 25 except E½ NE¼; Sections 26–36.

T. 12N., R.04E. Humboldt Meridian: Sections 1–36.

T. 12N., R.03E. Humboldt Meridian: Sections 1–2; Section 3 except NW¼, W½ SW¼, W½ NE¼, NE¼ NE¼; Section 10 except W½ W½, NE¼ NW¼; Sections 11–14, Section 15 except W½ W½, SE¼ SW¼, SW¼ SE¼; SW¼ SE¼ Section 22; Section 23 except SW¼ SW¼; Section 24; Section 25 except SW¼ SE¼; N½ NE¼, SE¼ NE¼ Section 26.

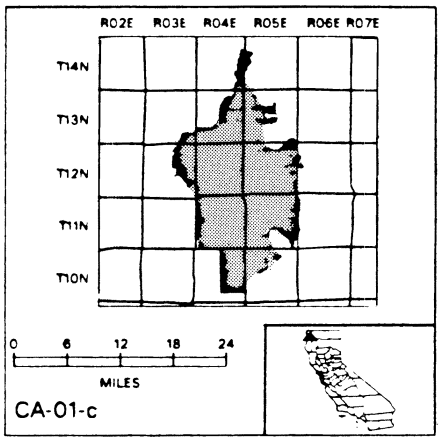
T. 11N., R.06E. Humboldt Meridian: SW¼, W½ NW¼, Section 6; W½ Section 7; NW¼ NW¼ Section 18; SW¼, SW¼ NW¼ Section 19.

T. 11N., R.05E. Humboldt Meridian: Sections 1–25; Section 26 except SW¼, SW¼ SE¼; NE¼ NE¼, Section 27; Section 28 except SE¼ SE¼; Sections 29–32; Section 33 except NE¼, E½ NW¼; W½ SW¼ Section 34.

T. 11N., R.04E. Humboldt Meridian: Sections 1–30, Section 31 except SW¼, S½ NW¼; Sections 32–36.

T. 10N., R.05E. Humboldt Meridian: W½ SW¼ Section 2; Section 3 except NE¼, Sections 4–9, Section 10 except S½, SW¼ NW¼; N½ NW¼ Section 11; Section 16 except SE¼, SE¼ SW¼; Section 17–18; Section 19 except SE¼, SE¼ SW¼, SE¼ NE¼; N½ NW¼ Section 20; W½ W½, SE¼ SW¼ Section 30.

T. 10N., R.04E. Humboldt Meridian: Sections 1–3; Sections 10–15; Sections 22–27.



Unit CA–01–d: Siskiyou County, California. From United States Fish and Wildlife Service 1:100,000 map; Happy Camp California; 1995.

Critical habitat includes only Federal lands designated as Late Successional Reserves described within the following areas:

T.18N., R.04E. Humboldt Meridian: SE ¼ SW ¼, SW ¼ SE ¼ Section 33; E ½ SE ¼ Section 35; SW ¼, SW ¼ SE ¼, S ½ NW ¼ Section 36.

T.18N., R. 05E. Humboldt Meridian: S ½ SW ¼ Section 31.

T.17N., R.03E. Humboldt Meridian: NE ¼, E ½ SE ¼ Section 24; E ½ NE ¼, SE ¼, Section 25; N ½, E ½ SE ¼ Section 36.

T.17N., R.04E. Humboldt Meridian: Section 1 except SW ¼, SW ¼ NW ¼; Section 2 except NE ¼ NE ¼, N ½ NW ¼, E ½ SE ¼; Section 3 except N ½ N ½; Section 4; SE ¼ NE ¼, SE ¼ Section 5; Section 8 except NW ¼; Sections 9–10; NE ¼, NW ¼, NW ¼ SW ¼ Section 11; NE ¼ Section 12; Sections 16–17; W ½, W ½ E ½ Section 20; SE ¼, NE ¼ SW ¼ Section 21; S ½, S ½ N ½ Section 22; S ½, S ½ N ½ Section 23; W ½ SW ¼ Section 24; W ½ NW ¼, NW ¼ SW ¼ Section 25; Section 26; Section 27 except SW ¼; NE ¼, SW ¼, SW ¼ SE ¼ Section 28; Section 29 except E ½ NE ¼; SW ¼, W ½ SE ¼ Section 32; Section 33; N ½ NE ¼, SW ¼, SE ¼ Section 34; N ½, N ½ SE ¼, SW ¼ SW ¼ Section 35.

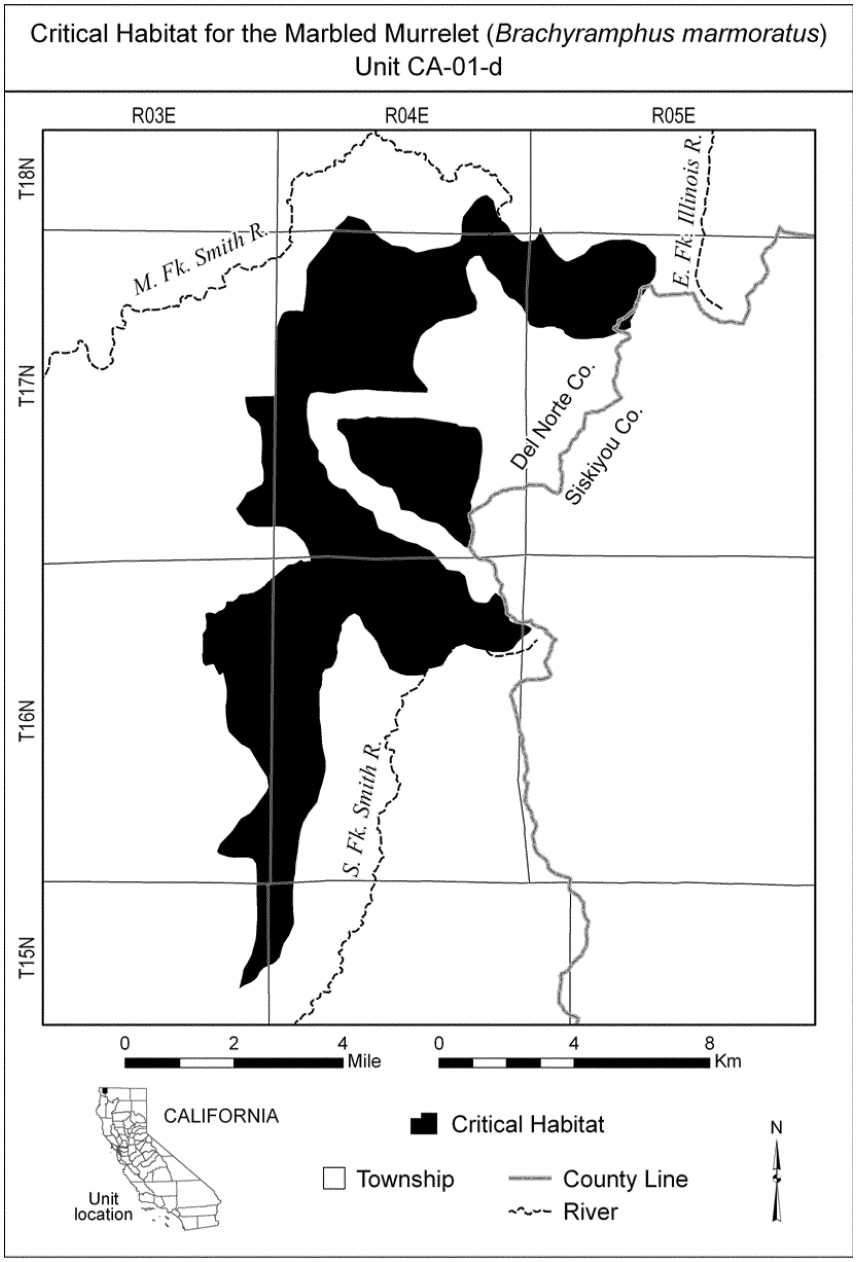
T.17N., R.05E. Humboldt Meridian: W ½ except NE ¼ NE ¼ Section 4; Section 5; Section 6 except NE ¼ NE ¼; Sections 7–8; W ½ NW ¼ Section 9.

T.16N., R.03E. Humboldt Meridian: S ½ SW ¼, SE ¼, NE ¼ SW ¼ Section 1; E ½ E ½ Section 11; Section 12; Section 13 except W ½ SW ¼, SW ¼ NW ¼; NE ¼, E ½ NW ¼, E ½ SE ¼ Section 24; SE ¼, SE ¼ NE ¼ Section 25; Section 36 except SW ¼, NW ¼ NW ¼, W ½ SE ¼.

T.16N., R.04E. Humboldt Meridian: S ½ SW ¼, W ½ SE ¼ Section 1; Section 2 except NE ¼; Sections 3–4; Section 5 except N ½ NW ¼; Section 8; W ½ W ½, NE ¼ NE ¼ Section 9; Section 10 except W ½ SW ¼; Section 11 except SE ¼, S ½ SW ¼; S ½ Section 12; E ½ E ½ Section 17; E ½ E ½ Section 20; Section 29 except SE ¼, E ½ NE ¼; W ½ Section 32.

T.15N., R.03E. Humboldt Meridian: E ½ E ½ Section 1; E ½, SE ¼ Section 12.

T.15N., R.04E. Humboldt Meridian: W ½ Section 6; W ½ NW ¼ Section 7.

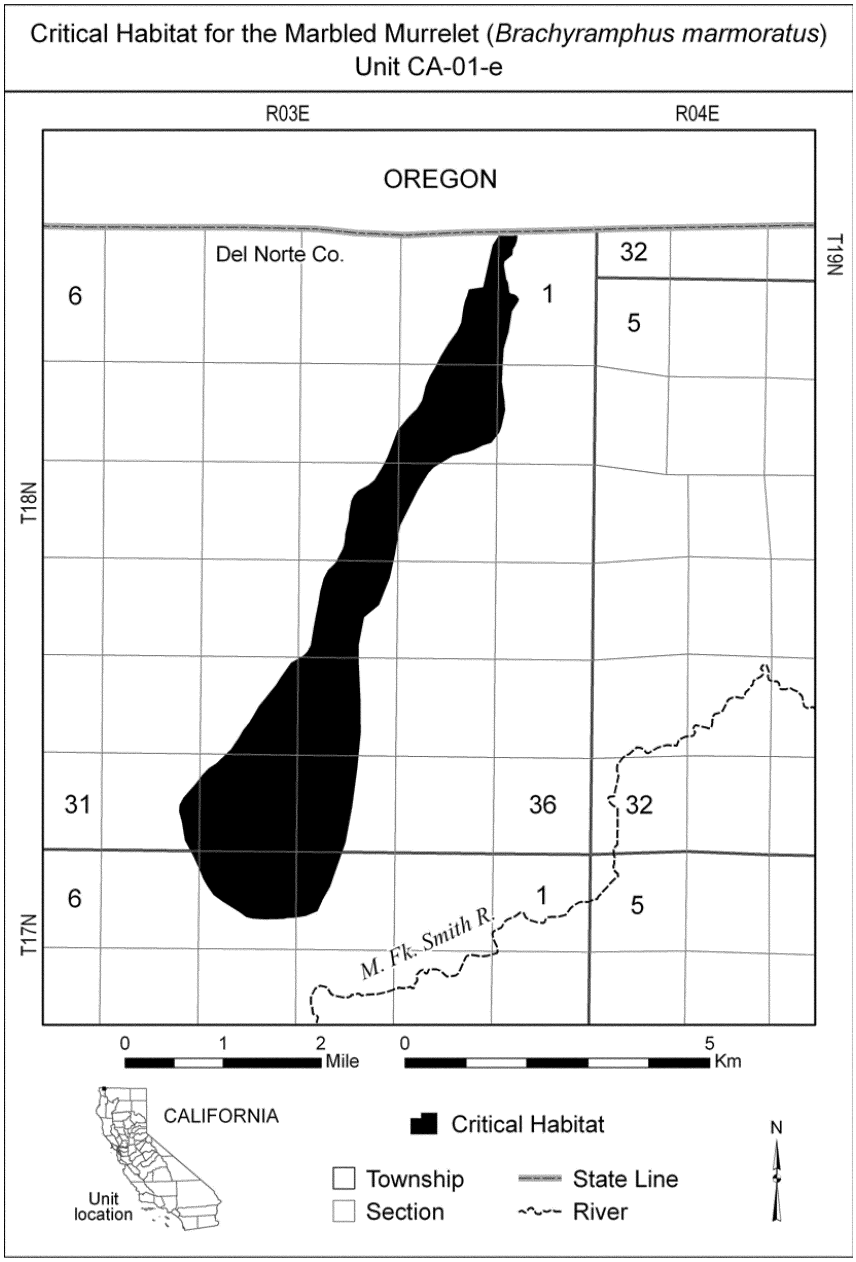


Unit CA–01–e: Del Norte County, California. From United States Fish and Wildlife Service 1:100,000 map; Grants Pass, Oregon; Happy Camp, California; 1995.

Critical habitat includes only Federal lands designated as Late Successional Reserves described within the following areas:

T.18N., R.03E. Humboldt Meridian: W ¼ Section 1; SE ¼, E ½ NE ¼, NE ¼ NE ¼, SE ¼ SW ¼ Section 2; SE ¼ SE ¼ Section 10; Section 11 except NW ¼ NW ¼; W ½ NW ¼; NW ¼ SW ¼ Section 12; W ½ NW ¼ Section 14; E ½, E ½ SW ¼ Section 15; W ½, NW ¼ SE ¼, N ½ NE ¼, SW ¼ NE ¼ Section 22; W ½ Section 27; SE ¼, S ½ NE ¼, NE ¼ NE ¼, E ½ SW ¼ Section 28; E ½ SE ¼, SE ¼ NE ¼ Section 32; Section 33; W ½ Section 34.

T.17N., R.03E. Humboldt Meridian: NW ¼, NW ¼ SW ¼ Section 3; Section 4 except S ½ S ½, NW ¼ SW ¼; NE ¼ NE ¼ Section 5.



Map and description of CA–02–a taken from United States Fish and Wildlife Service 1:100,000 map; Crescent City, California; 1995.

Critical Habitat includes only Federal lands designated as Late Successional Reserves described within the following areas:

T.14N., R.01E. Humboldt Meridian: S½ NE¼, S½, SE¼ NW¼ Section 21; W½ SW¼, SE¼ SW¼ Section 22; NW¼, NW¼, NW¼ SW¼ Section 27; Section 28 except W½ SW¼, SE¼ SW¼, S½ SE¼.

T.17N., R.01E. Humboldt Meridian: SW¼ SW¼ Section 21; W½ NW¼, NW¼ SW¼ Section 28; E½ NE¼ Section 29.

Critical Habitat includes only State lands described within the following areas:

T.14N., R.01W. Humboldt Meridian: Section 1 above Mean High Water (MHW).

T.14N., R.01E. Humboldt Meridian: W½ Section 6; W½ Section 7; Sections 18–19 above MHW.

T.15N., R.01E. Humboldt Meridian: S½ Section 7; W½ Section 8; NW¼, W½ NE¼ Section 17; Sections 18–19; W½, N½ NE¼ Section 30; W½ Section 31.

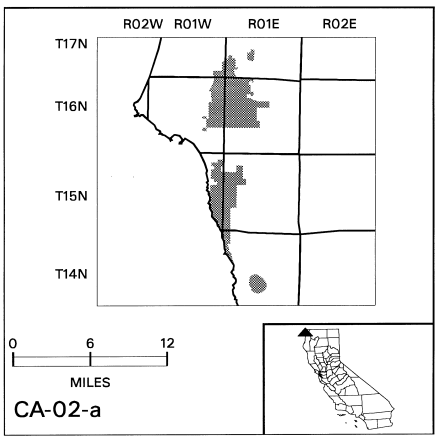
T.15N., R.01W. Humboldt Meridian: SE¼, S½ SW¼ Section 1; Section 12 except W½ NE¼; S½, NE¼, NE¼ NW¼ Section 13; Section 23 above MHW, Section 24, Sections 25–26 above MHW; Section 36 above MHW.

T.16N., R.01E. Humboldt Meridian: NW¼ Section 4; Sections 5–7; Section 8 except NE¼ SE¼; SW¼ NW¼ NW¼ SW¼ Section 9; NW¼ Section 15; W½, NE¼ Section 16; Sections 17–20; W½, W½ SE¼ Section 21.

T.16N., R.01W. Humboldt Meridian: Section 1; SE¼ SE¼ Section 2; E½ NE¼ Section 11; Sections 12–13; E½ E½ Section 14; SE¼, E½ NE¼, SW¼ NE¼, S½ NW¼ Section 23; Section 24.

T.17N., R.01E. Humboldt Meridian: SW¼, W½ SE¼ Section 30, Section 31 except E½ NE¼, NE¼ SE¼.

T.17N., R.01W. Humboldt Meridian: SE¼ SE¼ Section 25; S½, E½ NE¼ Section 36.



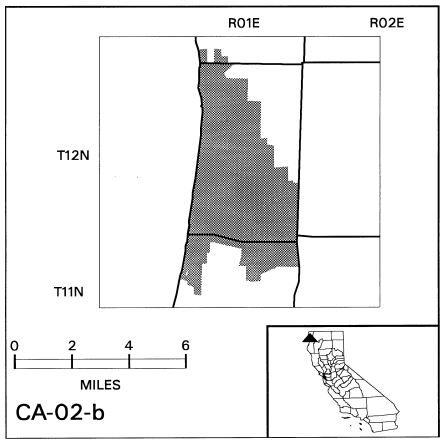
Map and description of CA–02–b taken from United States Fish and Wildlife Service 1:100,000 map; Orick and Hoopa, California; 1995.

Critical Habitat includes only State lands described within the following areas:

T.11N., R.01E. Humboldt Meridian: Sections 1–2 N½ N½ Section 3; Section 4 except E½ SE¼; Section 9 except E½ E½, SW¼ SW¼; N½ NE¼, SW¼ NE¼, E½ NW¼ Section 11; NW¼ NW¼ Section 12.

T.12N., R.01E. Humboldt Meridian: W½ NW¼, NE¼ NW¼, S½ Section 3; Section 4 above MHW; Section 9 above MHW; Section 10 except SE¼ NW¼; S½ NW¼, SW¼ Section 11; W½, NW¼ SE¼, S½ SE¼ Section 14; Section 15; Section 16 above MHW; Section 21 above MHW; Sections 22–23; SW¼ Section 24; Sections 25–27; Section 28 above MHW; Section 33 above MHW; Section 34–36.

T.13N., R.01E. Humboldt Meridian: SW¼, E½ SE¼ Section 33; SW¼ SW¼ Section 34.



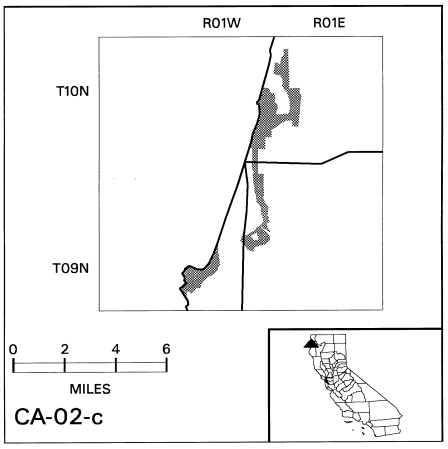
Map and description of CA–02–c taken from United States Fish and Wildlife Service 1:100,000 map; Orick, California; 1995.

Critical Habitat includes only State lands described within the following areas:

T.09N., R.01W. Humboldt Meridian: Section 23 above Mean High Water (MHW); Section 26 except SE¼, SE¼ SW¼; Section 27 above MHW; NE¼ Section 34; NW¼ NW¼ Section 35.

T.09N., R.01E. Humboldt Meridian: E½ NW¼, E½ SW¼, W½ SE¼ Section 6; W½ NE¼, E½ NW¼, W½ SE¼, SE¼ SE¼ Section 7; E½ NE¼, NE¼ SE¼ Section 18.

T.10N., R.01E. Humboldt Meridian: SW¼ SE¼, SE¼ SW¼ Section 8; W½ Section 17; Section 19 above MHW; E½ W½ W½ Section 20; Section 29 except SE¼, SW¼ NE¼, E½ SW¼, SW¼ SW¼; Section 30 above MHW; W½, N½ NE¼, E½ SW¼, SE¼ NW¼ Section 31.



Map and description of CA–03-a taken from United States Fish and Wildlife Service 1:100,000 map; Eureka and Hayfork, California; 1995.

Critical Habitat includes only Private lands described within the following areas:

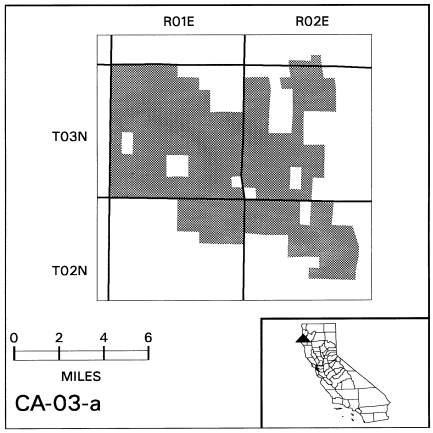
T.02N., R.01E. Humboldt Meridian: Section 1–3; N½ Section 10; Section 11–12.

T.02N., R.02E. Humboldt Meridian: Section 3; W½ Section 4; Section 5–6; N½ Section 7; N½ Section 8; Section 9–11; Section 14; Section 15 except SW¼; N½ Section 16; N½ Section 22; N½ Section 23.

T.03N., R.01E. Humboldt Meridian: S½ Section 3; Section 4–10; W½ Section 11; Section 13–18; W½ Section 19; Section 20–26; E½ Section 27; W½ Section 28; Section 29–35; Section 36 except NE¼.

T.03N., R.02E. Humboldt Meridian: Section 3 except NE¼; Section 4; SE¼ Section 5; S½ Section 6; Section 7; Section 9; Section 10; W½ Section 16; Section 18–20; Section 21 except NE¼; SW ¼ Section 22; W½ Section 27; Section 28 except SW¼; Section 29–30; Section 31 except SW¼; Section 32; Section 33 except NW¼.

T.04N., R.02E. Humboldt Meridian: S½ S½ Section 33; SW¼ Section 34.



Map and description of CA–04-a taken from United States Fish and Wildlife Service 1:100,000 map; Cape Mendocino and Garberville, California; 1995.

Critical Habitat includes only State lands described within the following areas:

T.01N., R.01E. Humboldt Meridian: SW¼ Section 23; S½ Section 24; SW¼ NW¼, N½ N½ Section 25; NE¼, E½ NW¼ Section 26.

T.01N., R.02E. Humboldt Meridian: E½ NE¼, NE¼ SE¼ Section 11; NW¼ Section 12; S½ Section 19; W½ W½ Section 29; N½, N½ SE¼, NE¼ SW¼ Section 30; NW¼ NW¼, S½ SE¼, E½ SW¼ Section 32.

T.01S., R.01E. Humboldt Meridian: S½ S½ Section 13; S½ NW¼, S½ Section 14; E½ SE¼ Section 15; E½ E½, SW¼ SE¼ Section 22; Sections 23–27; Section 28 except W½ NW¼; Section 33 except SW¼ NW¼, SW¼; Sections 34–36.

T.01S., R.02E. Humboldt Meridian: S½ NW¼, NW¼ SW¼, S½ SW¼, SW¼ SE¼ Section 3; Section 4 except SW¼ NW¼; NE¼ NE¼ Section 9; NW¼, W½ NE¼, E½ SE¼ Section 10; SW¼ SW¼ Section 11; W½ Section 14; SE¼, SW¼ SW¼ Section 15; S½ NW¼, SW¼, S½ SE¼ Section 16; S½, SE¼ NE¼ Section 17; S½ S½ Section 18; Sections 19–22; W½ Section 23; W½, SW¼ SE¼ Section 26; Sections 27–34; W½ NW¼, SE¼ NW¼, N½ SW¼, SW¼ SW¼, SW¼ NE¼, S½ SE¼, NW¼ SE¼ Section 35.

T.02S., R.01E. Humboldt Meridian: Sections 1–3; E½ E½ Section 4; E½ E½ Section 9; Sections 10–14; Section 15 except W½ SW¼, SW¼ NW¼; Section 22 except SW¼, W½ NW¼; Sections 23–25; Section 26 except, SW¼, S½ NW¼, SW¼ NE¼.

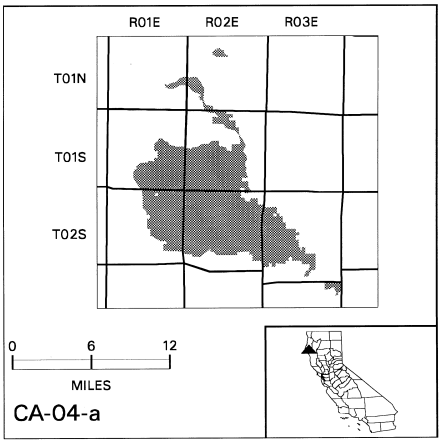
T.02S., R.02E. Humboldt Meridian: SW¼ Section 1; Section 2 except NE¼, E½ NW¼, NE¼ SE¼; Sections 3–24; Section 25 except SW¼ SW¼; N½ Section 26; Section 27 except S½ S½; Section 28 except S½ S½, NW¼ SW¼; Section 29 except NE¼ SE¼, S½ SE¼;

Section 30 except S½ SW¼; NE¼ NW¼, N½ NE¼ Section 36.

T.02S., R.03E. Humboldt Meridian: Section 7 except N½; SW¼ SW¼ Section 8; Section 17 except NE¼, E½ SE¼; Sections 18–20; Section 21 except NW¼ NE¼, SE¼ NE¼, N½ SE¼, SE¼ SE¼; S½ S½, NW¼ SW¼, SW¼ NW¼ Section 27; Section 28 except NE¼ NE¼; Section 29 except W½ NW¼; Section 30 except SE¼ NE¼, NE¼ SE¼; Section 31 except S½ S½, NW¼ SE¼; Section 32 except SE¼ NE¼, S½; N½ NE¼, NE¼ NW¼ Section 33; E½, NW¼ Section 34; SE¼ NW¼, NW¼ NW¼ Section 35.

T.03S., R.03E. Humboldt Meridian: NW¼ Section 3; E½ NE¼ Section 11; N½, NW¼ SW¼, SE¼ Section 12; SE¼ SE¼, Section 13.

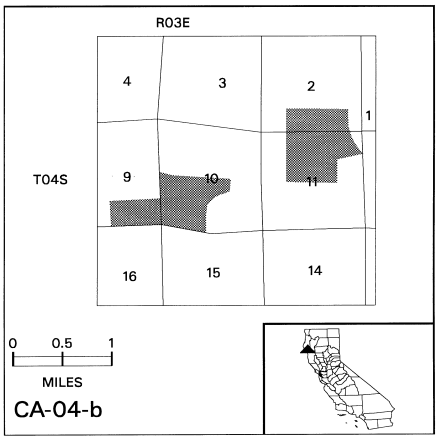
T.03S., R.04E. Humboldt Meridian: SW¼ SW¼ Section 18; NW¼, NW¼ SW¼ Section 30.



Map and description of CA–04–b taken from United States Fish and Wildlife Service 1:100,000 map; Garberville, California; 1995.

Critical Habitat includes only State lands described within the following areas:

T.04S., R.03E. Humboldt Meridian: SE¼ SW¼, S½ SE¼ Section 2; S½ SE¼ Section 9; SW¼, NW¼ SE¼ Section 10; E½ NW¼, SW¼ NE¼, N½ NE¼ Section 11.



Map and description of CA–05–a taken from United States Fish and Wildlife Service 1:100,000 map; Cape Mendocino, Garberville and Covelo, California; 1995.

Critical Habitat includes only Federal lands designated as Late Successional Reserves described within the following areas:

T.02S., R.02E. Humboldt Meridian: SE¼ SE¼ Section 31; S½ SW¼, SW¼ SE¼ Section 32.

T.03S., R.02W. Humboldt Meridian: SE¼ NW¼, E½ SW¼, S½ SE¼, NW¼ SE¼ Section 12; Sections 13–14; Section 15–16 East of Mean High Water (MHW); Section 22–23 East of MHW; Section 24 except SE¼; N½ NE¼ Section 26 East of MHW.

T.03S., R.01W. Humboldt Meridian: SW¼ SW¼ Section 9; NE¼ SE¼ Section 10; S½, SE¼ NE¼ Section 11; SW¼ NW¼, S½ Section 12; Sections 13–18; N½ NW¼, SW¼ NW¼ Section 19; N½ NW¼, SE¼ NW¼, NE¼, N½ SE¼, Section 20; Sections 21–26; N½, E½ SE¼ Section 27; N½ NE¼ Section 28; NE¼ NW¼, NW¼ NE¼ Section 35; N½ NW¼, NE¼, E½ SW¼ Section 36.

T.03S., R.01E. Humboldt Meridian: N½ SE¼, SE¼ SE¼, NE¼ SW¼ Section 12; N½ SE¼, SE¼ SE¼, SE¼ NE¼ Section 13; SW¼ NW¼, W½ SW¼ Section 18; W½ NW¼, SW¼, W½ SE¼ Section 19; SE¼ NE¼, NE¼ SE¼ Section 24; W½ SW¼ Section 29; Section 30 except NE¼ NE¼; Section 31; W½ W½, NE¼ NW¼, NE¼ SW¼ Section 32.

T.03S., R.02E. Humboldt Meridian: W½ SW¼, NW¼, SE¼ NE¼, SW¼ SE¼ Section 5; E½ SE¼, SW¼ SE¼ Section 6; Section 7 except SW¼ NW¼, SE¼ SE¼; W½ W½, SE¼ NW¼, SW¼, W½ NE¼, W½ SE¼, SE¼ SE¼ Section 8; S½ SW¼ Section 9; E½ SW¼ Section 18; NE¼ NW¼, SE¼ SW¼, SW¼ SE¼ Section 19; SE¼ NE¼ Section 20; NW¼ NE¼ Section 22; NW¼ NW¼ Section 28; NW¼ NE¼ Section 30.

T.04S., R.01W. Humboldt Meridian: S½ S½, Section 1; SE¼ SE¼ Section 2; SE¼ SE¼

Section 10; S½, NE¼ Section 11; N½, W½ SW¼ Section 12; Section 14 east of MHW.

T.04S., R.01E. Humboldt Meridian: SW¼, W½ SE¼, SE¼ SE¼, S½ NE¼ Section 4; Section 5; Section 6 except S½ SW¼; NE¼, E½ NW¼, NE¼ SE¼ Section 7; N½ Section 8; Section 9 except N½ NW¼, NE¼ NE¼; S½, E½ NE¼ Section 10; SW¼, SW¼ NW¼ Section 11; Section 15; Section 16 except SW¼ SW¼; S½ SW¼ Section 20; E½, S½ SW¼ Section 21; Sections 22–23; S½ NW¼, NW¼ NW¼, SW¼ Section 24; W½ Section 25; Section 26–27; Section 28 except NW¼ NW¼; N½, SE¼ SE¼ Section 29; N½ N½ Section 33; E½ Section 34; Section 35; W½ Section 36.

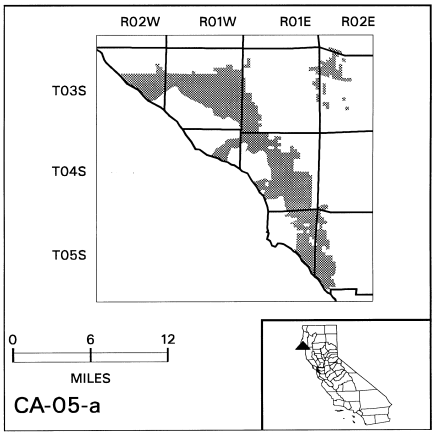
T.04S., R.02E. Humboldt Meridian: S½ SW¼, NE¼ SW¼, NW¼ SE¼ Section 31.

T.05S., R.01E. Humboldt Meridian: Section 1; Section 2 except N½ SW¼; E½ NE¼, SW¼ NE¼ Section 3; NE¼, S½ SE¼, NE¼ NW¼ Section 11; Section 12 except N½ NW¼, NE¼ SW¼; Section 13 except W½ NE¼, SE¼ NE¼, NE¼ SE¼; E½ Section 14; Section 23 East of MHW; Section 24; Section 25 East of MHW.

Description of Lands Using Protracted Public Land Survey Lines

Critical Habitat includes only Federal lands designated as Late Successional Reserves described within the following areas:

T.05S., R.02E. Humboldt Meridian: Western ½ of the Western ½ of the Township T.05S., R.02E.



Map and description of CA–05–b taken from United States Fish and Wildlife Service 1:100,000 map; Covelo, California; 1995.

Critical Habitat includes only State lands described within the following areas:

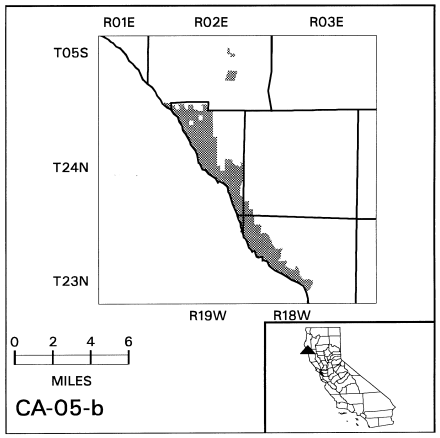
T.24N., R.19W. Mt. Diablo Meridian: W½ W½ Section 2; Section 3 except E½ NW¼; Section 4 except NE¼ NE¼; Section 5; Section 9 above MHW; Section 10; W½ W½, SE¼ SW¼ Section 11; W½ Section 14; Section 15 above MHW; Section 22 above MHW; Section 23 except NE¼, NE¼ SE¼; Section 24 except NE¼ NW¼, N½ NE¼; Section 25 except SW¼ SW¼; Section 26 above MHW; Section 36 above MHW.

T.24N., R.18W. Mt. Diablo Meridian: SW¼ NW¼, SE¼ SW¼, W½ SW¼ Section 31.

T.23N., R.19W. Mt. Diablo Meridian: Section 1 above MHW.

T.23N., R.18W. Mt. Diablo Meridian: Section 5; Section 6 except E½ NE¼ ; Section 7 above MHW; Section 8 except N½ NE¼, SE¼ NE¼, NE¼ SE¼; W½ SW¼, S½ SE¼ Section 15; Section 16 except NE¼ NW¼, NE¼, Section 21 above MHW; N½ Section 22.

T.05S., R.02E. Humboldt Meridian: NW¼ NW¼, SE¼ NW¼ Section 22; NE¼ Section 27.



Map and description of CA–06–a taken from United States Fish and Wildlife Service 1:100,000 map; Garberville and Covelo, California; 1995.

Critical Habitat includes only State lands described within the following areas:

T.05S., R.03E. Humboldt Meridian: SE¼ SE¼ Section 10; SW¼ SW¼ Section 11; Section 13 except NE¼; Section 14 except NW¼ NE¼; Section 15 except SW¼; NW¼ NE¼, NE¼ NW¼ Section 24.

Critical Habitat includes only Federal lands designated as Late Successional Reserves described within the following areas:

T.24N., R.15W. Mt. Diablo Meridian: SW¼ NW¼, W½ SE¼, SW¼ Section 4; Section 5 except W½ SW¼; S½ NE¼ Section 6.

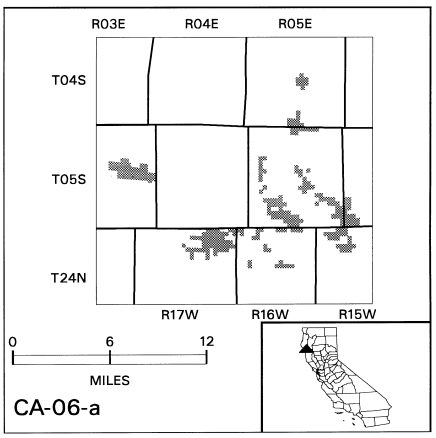
T.24N., R.16W. Mt. Diablo Meridian: N½ NE¼, NE¼ NW¼ Section 3; W½ NW¼, NW¼ SE¼, NE¼ NW¼, S½ SE¼, Section 5; SE¼ NE¼, N½ NW¼, Section 6; W½ SE¼ Section 7; SE¼ SW¼, W½ SE¼, SE¼ SE¼ Section 9; S½ SW¼ Section 10.

T.24N., R.17W. Mt. Diablo Meridian: Section 1 except S½ NE¼, NW¼ NW¼, SE¼ SE¼; Section 2 except SE¼ SW¼; S½ S½, NE¼ SE¼, S½ N½, NE¼ NE¼ Section 3; SE¼ SE¼, NW¼ SE¼ Section 4; W½ NW¼ Section 10; NW¼ NE¼, W½ NW¼ Section 11.

T.05S., R.05E. Humboldt Meridian: N½ NW¼ Section 2; N½ N½, SW¼ NW¼ Section 3; E½ NE¼ Section 4; SE¼ SE¼ Section 7; SW¼ SW¼ Section 8; SW¼ NW¼, N½ SW¼, SE¼ SW¼, NE¼ SE¼, Section 15; NW¼ SW¼ Section 17; E½ E½ Section 18; NE¼ NE¼, SE¼ SE¼ Section 19; NW¼ SW¼ Section 20; W½ NE¼, SE¼ NW¼, NE¼ SW¼, N½ SE¼, SW¼ SE¼ Section 22; NW¼ SW¼ Section 23; S½ NW¼, N½ SW¼, S½ SE¼, NW¼ SE¼ Section 25; NE¼ NW¼, NE¼ SW¼, W½ NE¼, SE¼ NE¼ Section 26; W½ W½, NE¼ SW¼ Section 28; S½ N½, E½ SW¼, N½ SE¼ Section 29; NE¼, NE¼ NW¼ Section 32; NW¼ NE¼, S½ NE¼, NW¼, NE¼ SW¼, SE¼ Section 33; SW¼ NW¼, N½ SW¼, SW¼ SW¼ Section 34; NE¼ NE¼ Section 36.

T.05S., R.06E. Humboldt Meridian: S½ NW¼, SW¼ Section 30; Section 31 except NE¼ NW¼, N½ NE¼, SE¼ NE¼.

T.04S., R.05E. Humboldt Meridian: SE¼ SW¼ Section 15; NW¼, W½ NE¼, NE¼ SW¼ Section 22; SE¼ Section 33; W½ W½, SE¼ SW¼ Section 34.



Map and description of CA–06–b taken from United States Fish and Wildlife Service 1:100,000 map; Covelo, California; 1995.

Critical Habitat includes only Federal lands designated as Late Successional Reserves described within the following areas:

T.21N., R.15W. Mt. Diablo Meridian: W½ NW¼ Section 5; Sections 6–7; NW¼ NE¼, N½ NW¼, SW¼ NW¼, N½ S½, SW¼ SW¼ Section 8; W½ W½, SE¼ SW¼, S½ SE¼ Section 17; Section 18.

T.21N., R.16W. Mt. Diablo Meridian: Section 1; N½ NE¼, NE¼ NW¼, SE¼ SE¼ Section 2; E½ NE¼ Section 11; Section 12 except NW¼ SW¼ and S½ SW¼; NE¼, NE¼ SE¼ Section 13.

T.22N., R.14W. Mt. Diablo Meridian: NW¼ SW¼, S½ SW¼ Section 6; Section 7; Section 18 except E½ SE¼; ; SE¼ SE¼ Section 20; SW¼ SW¼, NE¼ SE¼ Section 21; E½ NE¼, W½ NW¼, NE¼ SE¼ Section 28; NE¼, NE¼ NW¼, S½ NW¼, SW¼, NW¼ SE¼ Section 29; S½ NE¼, N½ NW¼, N½ SE¼ Section 32.

T.22N., R.15W. Mt. Diablo Meridian: SW¼ NE¼, S½ Section 1; N½ Section 12; E½ Section 13; NE¼ SW¼, S½ SW¼, W½ SE¼ Section 19; NW¼ NE¼ Section 24; SW¼ NE¼, W½ NW¼, SW¼, W½ SE¼ Section 30; SW¼ NE¼, NW¼ NW¼, S½ NW¼, S½ Section 31.

T.22N., R.16W. Mt. Diablo Meridian: SW¼, SW¼ NW¼, W½ W½ Section 3; Section 4; Section 5 except S½ SE¼, NE¼ SE¼, SE¼ NE¼; E½, E½ W½, S½ SW¼, NE¼ NW¼ Section 6; E½ NE¼, N½ NW¼, SE¼ SW¼, SE¼ Section 7; N½ NE¼, E½ W½, S½ SE¼, SW¼ SW¼ Section 8; Section 9 except N½ NW¼ and SE¼ NW¼; SW¼ NE¼, W½, NW¼ SE¼, S½ SE¼ Section 10; W½ Section 17; Section 18 except N½ NW¼, W½ SW¼; S½ NE¼, NW¼ NE¼ Section 19; NW¼ SW¼ Section 20; SE¼ SE¼ Section 21; S½ SW¼, SW¼ SE¼ Section 22; SE¼ SE¼ Section 23; Section 26; Section 27 except NE¼ NE¼, W½ SW¼, S½ SE¼, SE¼ SW¼; SE¼ Section 34; Section 35.

T.22N., R.17W. Mt. Diablo Meridian: NE¼ NE¼, SW¼ NE¼, SE¼ NW¼, NE¼ SW¼, W½ SE¼ Section 12; S½ SE¼ Section 13; N½ NE¼ Section 24.

T.23N., R.16W. Mt. Diablo Meridian: W½ NW¼ Section 3; NE¼ NE¼ Section 4; SE¼ SW¼, E½ NE¼, NW¼ SE¼ Section 5; W½ W½ Section 6; Section 7 except NW¼; NE¼ NW¼, SW¼ NW¼, SW¼ SW¼ Section 8; W½ Section 17; Section 18 except, N½ NW¼, SW¼ NW¼, W½ SW¼, SE¼ SW¼; S½ SE¼, S½ SW¼, NE¼ SE¼ Section 19; S½ SW¼, NE¼ SW¼, N½ SE¼, SE¼ SE¼ Section 20; NW¼ NW¼, S½ NW¼, SW¼, SW¼ SE¼ Section 28; Section 29; Section 30 except NW¼ NW¼; Section 31 except SW¼ SW¼; Section 32 except SE¼ NE¼, SW¼ SE¼, E½ SE¼; Section 33 except NE¼ NE¼, S½ NW¼; S½ NW¼, N½ SW¼ Section 34.

T.23N., R.17W. Mt. Diablo Meridian: Section 1 except S½ SW¼; NE¼ SE¼ Section 2.

T.24N., R.16W. Mt. Diablo Meridian: SE¼ NE¼, SE¼ NW¼, NW¼ SW¼, SE¼ SW¼, NE¼ SE¼ Section 17; W½ SE¼, E½ SW¼ Section 18; Section 19 except SW¼ SE¼; W½ NE¼, E½ NW¼ Section 20; S½ NW¼, SW¼ Section 27; Section 28 except N½ N½ and SE¼ SW¼; Section 29 except N½ NE¼, NW¼ NW¼; Section 30 except N½ NE¼; Section 31; Section 32 except SE¼ NE¼ and E½ SE¼; N½ NE¼, NW¼ NW¼ Section 33; NW¼ Section 34.

T.24N., R.17W. Mt. Diablo Meridian: NE¼ NE¼ Section 23; Section 24 except NE¼ NW¼, NW¼ NE¼; E½, E½ NW¼, NW¼ NW¼, SW¼ SW¼ Section 25, N½ SE ¼ Section 26, Section 36.

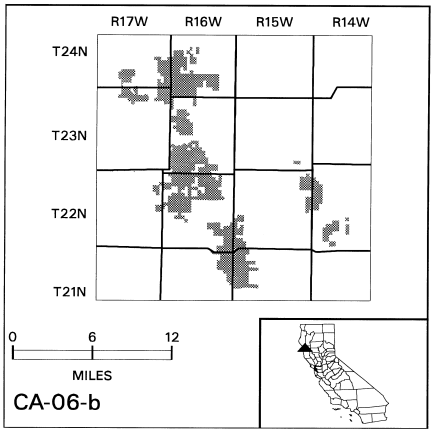
Critical Habitat includes only State lands described within the following areas:

T.21N., R.16W. Mt. Diablo Meridian: SW¼ NE¼, S½ NW¼ Section 26.

T.23N., R.17W. Mt. Diablo Meridian: N½ SW¼, S½ NW¼ Section 2; Section 3 except

NE¼, S½ SE¼; E½ NW¼, SW¼ NW¼, NE¼ SE¼, NE¼ Section 4.

T.24N., R.17W. Mt. Diablo Meridian: Section 28 except SW¼ SW¼; NW¼ Section 27; W½ Section 33; SE¼ SW¼ Section 34.



Map and description of CA–07–a taken from United States Fish and Wildlife Service 1:100,000 map; Ukiah, California; 1995.

Critical Habitat includes only State lands described within the following areas:

T.17N., R.14W. Mt. Diablo Meridian: W½ SW¼, NE¼ SW¼ Section 6; W½ NW¼, NW¼ SW¼ Section 7.

T.17N., R.15W. Mt. Diablo Meridian: W½, SE¼ Section 2; Sections 3–8; Section 9 except SE¼ SE¼ ; Section 10 except S½ S½; Section 11; Section 12 except SW¼ SE¼; N½ NE¼ Section 14; Section 18 except SE¼, W½ SW¼.

T.17N., R.16W. Mt. Diablo Meridian: N½ N½ Section 1; Section 3 except W½ W½; Sections 4–6; NE¼, SW¼ Section 7; N½, N½ SW¼ Section 8; N½, N½ SE¼, SE¼ SE¼ Section 9; Section 10 except NE¼ NE¼; Section 18 except SE¼ SE¼; NW¼, W½ SW¼ Section 19; W½ NW¼ Section 30.

T.17N., R.17W. Mt. Diablo Meridian: Sections 1–3; NE¼, SW¼ NW¼, S½ Section 4; NE¼, N½ NW¼, SE¼ NW¼, NE¼ SE¼, S½ S½ Section 5; N½ NE¼ Section 6; Section 8 except W½ SW¼, SE¼ SW¼, SW¼ SE¼; Sections 9–15; SE¼ NE¼, N½ NE¼, NE¼ NW¼, S½ Section 16; S½ Section 17; S½, S½ NE¼ Section 18; NW¼ Section 19; N½ NE¼ Section 20; Section 21 except SE¼ SW¼; Section 22 except E½ SW¼ ; Section 23 except NW¼ SW¼; Section 24; NE¼ NW¼, NW¼ SW¼ Section 26; Section 27 except SW¼ NW¼, SE¼ SE¼, N½ NE¼; Section 28 except NE¼ NE¼, SW¼, S½ SE¼, W½ NW¼.

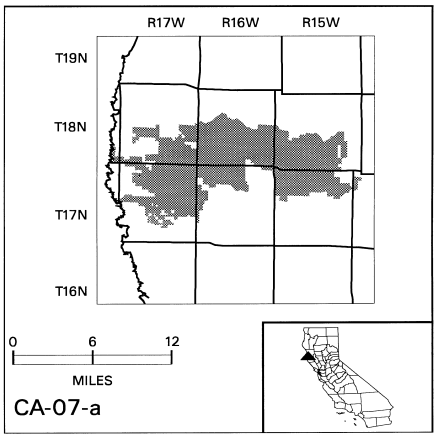
T.17N., R.18W. Mt. Diablo Meridian: SE¼ SE¼ Section 13.

T.18N., R.15W. Mt. Diablo Meridian: SW¼ Section 18; Section 19; SE¼ NE¼, NE¼ SW¼, S½ SW¼, SE¼ Section 20; Section 21; Section 22 except NE¼; Section 23 except N½ NW¼; W½ W½, SE¼ SW¼ Section 24; W½ Section 25; Section 26 except E½ E½; Sections 27–34; Section 35 except NE¼ SE¼.

T.18N., R.16W. Mt. Diablo Meridian: S½ Section 13; SE¼ Section 14; SW¼, W½ SE¼ Section 15; S½ N½, NW¼ NW¼, S½ Section 16; Section 17 except NW¼ NW¼; S½ Section 18; Sections 19–33; Section 34 except E½ SE¼; Section 35 except W½ SW¼, SE¼ SW¼; Section 36.

T.18N., R.17W. Mt. Diablo Meridian: Section 20 except N½ N½, SW¼ SW¼; Section 21 except NW¼ NE¼, N½ NW¼; NE¼, NE¼ SE¼, SW¼ SE¼ Section 23; Section 24; Section 25 except S½ S½, N½ SE¼ ; Section 26 except NW¼ NW¼; Section 27; NE¼ NE¼ Section 28; N½ NW¼, SW¼ NW¼ Section 29; NW¼ SW¼, NE¼ SE¼, S½ S½ Section 31; S½ NE¼, S½ Section 32; S½ N½, N½ S½, SE¼ SE¼ Section 33; Sections 34–36.

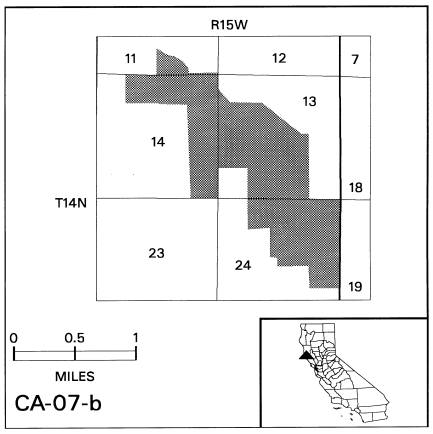
T.18N., R.18W. Mt. Diablo Meridian: SW¼ Section 25; W½, SE¼ Section 36.



Map and description of CA–07–b taken from United States Fish and Wildlife Service 1:100,000 map; Ukiah, California; 1995.

Critical Habitat includes only State lands described within the following areas:

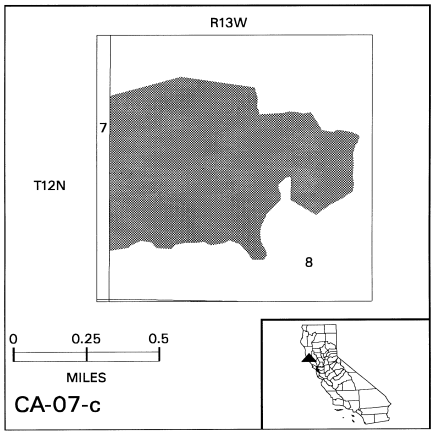
T.14N., R.15W. Mt. Diablo Meridian: E½ SW¼, SW¼ SE¼, SE¼ NW¼ Section 11; Section 13 except E½ E½, NE¼ NW¼, NW¼ NE¼; E½ E½, NE¼, NW¼, NW¼ NE¼ Section 14; NE¼, NE¼ NW¼, N½ SE¼ Section 24.



Map and description of CA–07–c taken from United States Fish and Wildlife Service 1:100,000 map; Point Arena, California; 1995.

Critical Habitat includes only State lands described within the following areas:

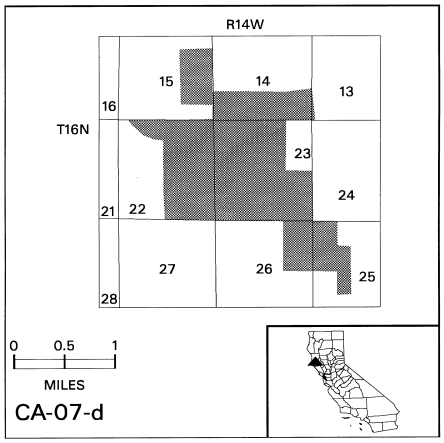
T.12N., R.13W. Mt. Diablo Meridian: S½ NW¼, SW¼, N½ SE¼, SW¼ SE¼, S½ NE¼ Section 8.



Map and description of CA–07–d taken from United States Fish and Wildlife Service 1:100,000 map; Ukiah, California; 1995.

Critical Habitat includes only State lands described within the following areas:

T.16N., R.14W. Mt. Diablo Meridian: S½ S½ Section 14; E½ SE¼, SE¼ NE¼ Section 15; E½ Section 22; Section 23 except E½ NE¼; W½ NW¼, SE¼ NW¼, NE¼ SW¼ Section 25; E½ NE¼ Section 26.



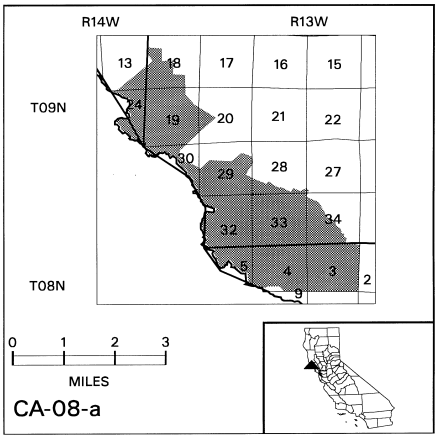
Map and description of CA–08–a taken from United States Fish and Wildlife Service 1:100,000 map; Point Arena, California; 1995.

Critical Habitat includes only State lands described within areas bounded by the following descriptions:

(a) Starting at Station H–34 on the easterly line of the German Rancho, South 33°50′ West for 3,200 feet, South 86°20′ West for 1,927 feet, North 53° West for 1,372 feet, North 37° West for 1,550.5 feet, North 48° East for 1,720 feet, South 86°45′ East for 2,203.5 feet, North 55° East for 1,110.1 feet, South 8°50′ East for 653 feet; and (b) starting at the westernmost point of Kruse Rhododendron State Reserve proceeding North 48° East along the Kruse Rhododendron State Reserve boundary to the intersection with Kruse Ranch Road, west on Kruse Ranch Road to the intersection with State Highway 1, north on State Highway 1 to Cannon Gulch, northeast along Cannon Gulch to the Rancho de German Spanish Land Grant boundary, northwest along the Rancho de German Spanish Land Grant boundary to the western edge of Range 13 West, South 29°30″ from this point to Mean High Water (MHW), southwest along the shoreline at MHW to the south boundary of the Rancho de German Spanish Land Grant, east along the Spanish Land Grant boundary to the southeast corner of the land grant, north on the eastern boundary of the land grant to the eastern corner of the Kruse Rhododendron State Reserve, south along the Kruse Rhododendron State Reserve boundary to the westernmost point of the reserve.

Critical Habitat includes only State lands described within the following areas:

T.09N., R.13W. Mt. Diablo Meridian: SW¼, SW¼ NW¼, SW¼ SE¼ Section 18; NW¼ Section 19.



Map and description of CA–08–b taken from United States Fish and Wildlife Service 1:100,000 map; Point Arena and Healdsburg, California; 1995.

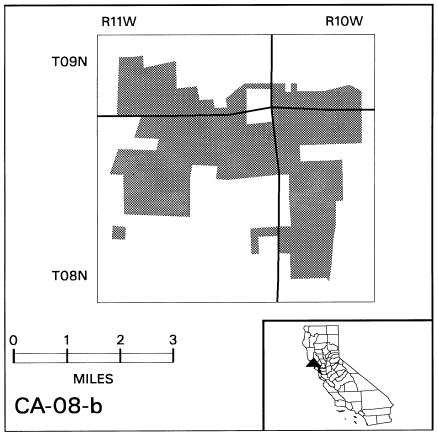
Critical Habitat includes only State lands described within the following areas:

T.08N., R.10W. Mt. Diablo Meridian: NW¼, S½ SW¼ Section 5; Section 6 except N½ SE¼; Section 7 except W½ W½; W½ W½ Section 8; W½ W½ Section 17; Section 18 except W½ SW¼.

T.08N., R.11W. Mt. Diablo Meridian: Section 1 except N½ NE¼; Section 2 except SW¼ SE¼; Section 3 except S½ NW¼, SW¼ NE¼; NE¼, N½ SE¼, E½ NW¼, NE¼ SW¼ Section 10; NW¼, N½ SW¼ Section 11; N½ NE¼, SW¼ NE¼ Section 13; NW¼ NW¼ Section 15.

T.09N., R.11W. Mt. Diablo Meridian: SW¼ SW¼ Section 27; SE¼ SE¼ Section 28; E½ E½ Section 33; Section 34; SW¼, S½ SE¼ Section 35.

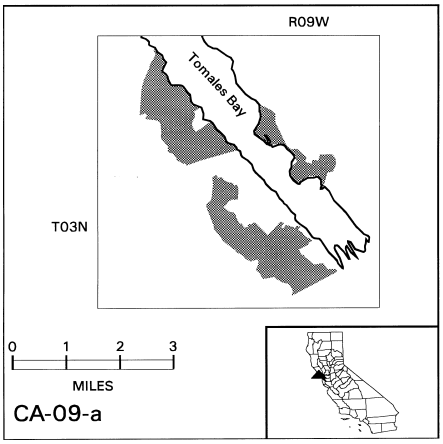
T.09N., R.10W. Mt. Diablo Meridian: SW¼, S½ SE¼ Section 31; SW¼ Section 32.



Map and description of CA–09–a taken from United States Fish and Wildlife Service 1:100,000 map; Napa, California; 1995.

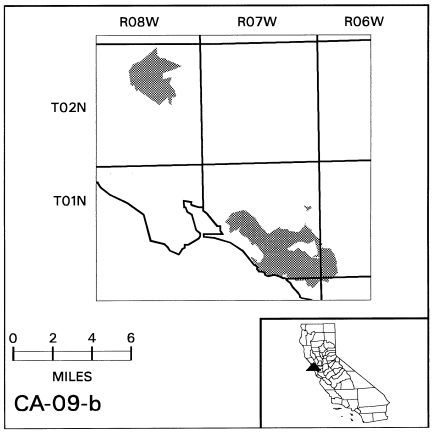
Critical Habitat includes only State lands bounded by the following descriptions:

(a) On the west by Point Reyes National Seashore, on the east by the shoreline of Tomales Bay at Mean High Water (MHW), on the south by a line beginning at the intersection of Pierce Point Road with Sir Francis Drake Highway proceeding North 75°07′03″ East for 4,734.31 feet to the shoreline of Tomales Bay at MHW; (b) on the east and north by Sir Francis Highway, on the west by Point Reyes National Seashore, on the south by the southern boundary of the Punta De Los Reyes (Randall) Spanish Land Grant; (c) State lands within the Nicasio (Halleck) Spanish Land Grant west of State Highway 1 and east of the shoreline of Tomales Bay at MHW; and (d) State lands within the Nicasio (Frink and Reynolds) Spanish Land Grant.



Map and description of CA–09–b taken from United States Fish and Wildlife Service 1:100,000 map; Napa and San Francisco, California; 1995.

Critical Habitat includes only State lands bounded by the following descriptions: (a) portions of Ranchos Nicasio, San Geronimo, and Tomales Y Baulines Spanish Land Grants bounded on the north, west, and south by Golden Gate National Recreation Area and on the east by a line 122°41′33″ West; and (b) portions of Ranchos Tomales Y Bolinas, Las Baulines, and Sausalito Spanish Land Grants bounded by a line starting at the intersection of the Rancho Las Baulines Spanish Land Grant boundary line with McKinnan Gulch, west along McKinnan Gulch to the Pacific Ocean, south east along the Pacific Ocean at Mean High Water (MHW) to the intersection with Cold Stream, east along Cold Stream to the intersection with State Highway 1, south on State Highway 1 to the intersection with the south end of the Panoramic Highway, following the Panoramic Highway to the intersection with Rattlesnake Creek, north along Rattlesnake Creek to the intersection with the Rancho Sausalito Spanish Land Grant line, southwest along the Spanish Land Grant boundary to the intersection with the Rancho Las Baulines Spanish Land Grant line, north along the Rancho Las Baulines Spanish Land Grant boundary to the intersection with McKinnan Gulch.



Map and description of CA–11–a taken from United States Fish and Wildlife Service 1:100,000 map; Hoopa and Hayfork, California; 1995.

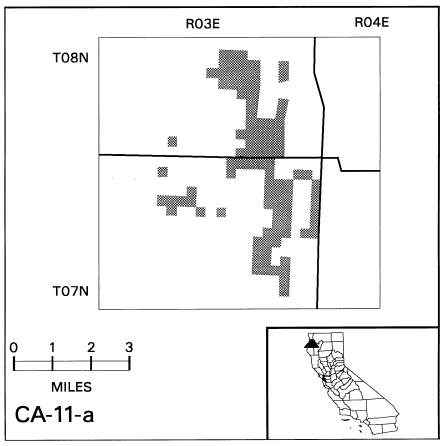
Critical Habitat includes only Federal lands designated as Late Successional Reserves described within the following areas:

T.07N., R.03E. Humboldt Meridian: E½ SE¼, W½ SW¼, SE¼ NW¼, SW¼ NE¼ Section 1; E½ NE¼, N½ NW¼, SE¼ Section 2; N½ NE¼, SW¼ NE¼ Section 3; SW¼ SE¼ Section 4; SE¼ NE¼ Section 5; NE¼ NE¼ Section 8; W½ NW¼, NE¼ NW¼, NW¼ NE¼, SE¼ NE¼ Section 9; SE¼ NW¼ Section 10; E½ E½, NW¼ NE¼, SW¼ SE¼ Section 11; W½ W½, E½ E½, SW¼ SE¼ Section 12; W½ SW¼ Section 13; E½ W½, W½ E½, NE¼ NE¼, SE¼ SE¼ Section 14; W½ NW¼ Section 24.

DESCRIPTION OF LANDS USING PROTRACTED PUBLIC LAND SURVEY LINES

Critical Habitat includes only Federal lands designated as Late Successional Reserves described within the following areas:

T.08N., R.03E. Humboldt Meridian: SE¼, S½ NE¼, SE¼ NW¼, S½ SW¼, NE¼ SW¼ Section 22; SW¼, SW¼ NW¼, E½ SE¼ Section 23; W½, E½ SE¼ Section 26; NE¼ NW¼, N½ NE¼, SE¼ NE¼ Section 27; NW¼ SW¼ Section 33; SE¼ NE¼, SE¼ SE¼, Section 34; Section 35.



Unit CA–11–b: Humboldt County, California. From United States Fish and Wildlife Service 1:100,000 map; Hayfork, California; 1995.

Critical habitat includes only Federal lands designated as Late Successional Reserves described within the following areas:

T.03N., R.02E. Humboldt Meridian: SE ¼ NE ¼, SW ¼ NW ¼, N ½ N ½ Section 1; NE ¼, E ½ NW ¼, N ½ SE ¼ Section 2.

T.03N., R.03E. Humboldt Meridian: N ½ NE ¼, SE ¼ NW ¼, NE ¼ SW ¼, W ½ SE ¼, Section 6.

T.03N., R.04E. Humboldt Meridian: W ½ NE ¼, NW ¼ Section 1; Section 2 except SE ¼ SE ¼; E ½ NE ¼, SE ¼ SW ¼, SE ¼ Section 3; W ½ NE ¼, NW ¼ Section 5; E ½ NE ¼ Section 6.

T.03N., R.05E. Humboldt Meridian: NE ¼, N ½ SE ¼ Section 6; SW ¼ NW ¼, N ½ SW ¼, SW ¼ SW ¼ Section 7; NW ¼ NW ¼ Section 18.

T.04N., R.02E. Humboldt Meridian: S ½ SE ¼ Section 25.

T.04N., R.03E. Humboldt Meridian: S ½ NW ¼, NW ¼ SE ¼, SE ¼ SE ¼ Section 31.

T.04N., R.04E. Humboldt Meridian: NE ¼ Section 1; E ½ E ½ Section 12; S ½ Section 25; SE ¼ NW ¼, NW ¼ SW ¼, SE ¼ Section 26; S ½ NE ¼, NW ¼, N ½ SE ¼ Section 27; N ½, S ½ S ½, NE ¼ SW ¼, NE ¼ SE ¼ Section 28; SW ¼ NW ¼ Section 29; S ½ NE ¼, SW ¼, W ½ SE ¼ Section 30; W ½ NE ¼, NW ¼, N ½ SE ¼, NW ¼ SW ¼ Section 31; SE ¼ NW ¼, SW ¼ Section 32; N ½ N ½, SE ¼ NE ¼, SE ¼ NW ¼, NE ¼ SE ¼ Section 33; Section 34 except N ½ NE ¼, S ½ SW ¼; Section 35 except N ½ N ½.

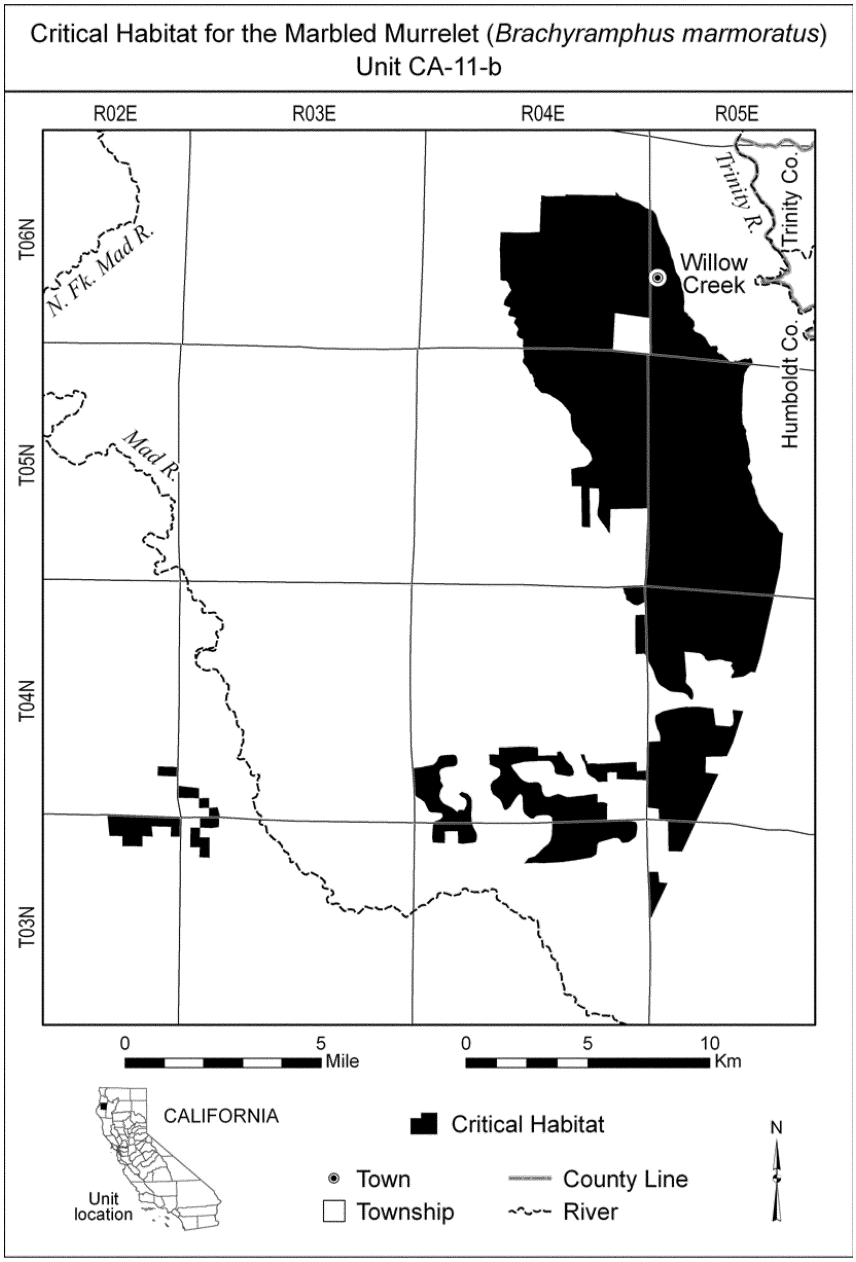
T.04N., R.05E. Humboldt Meridian: NW ¼, W ½ SW ¼, NE ¼ SW ¼, Section 3; Sections 4–7; S ½ S ½ Section 8; Section 9; W ½ NW ¼, NW ¼ SW ¼, Section 10; NE ¼ NW ¼, NW ¼ NE ¼ Section 16; NW ¼ SW ¼ Section 17; N ½, N ½ SE ¼ Section 18; Section 19 except W ½ W ½; Section 20; NE ¼ NW ¼, SW ¼ Section 21; NW ¼ NW ¼ Section 28; Section 29 except S ½ NE ¼, N ½ SE ¼, SE ¼ SE ¼; Section 30; Section 31 except SW ¼ SW ¼; NW ¼, W ½ SW ¼ Section 32.

T.05N., R.04E. Humboldt Meridian: Sections 1–3; E ½ NE ¼ Section 4; NE ¼, N ½ NW ¼, E ½ E ½ Section 10; Sections 11–13; Section 14 except SW ¼, SW ¼ NW ¼; Section 23 except W ½ SW ¼, W ½ SE ¼; Section 24; N ½ NW ¼, S ½ SE ¼ Section 25; E ½ NW ¼ Section 26.

T.05N., R.05E. Humboldt Meridian: Section 4 except E ½; Sections 5–8; Section 9 except E ½; Section 16 except E ½ E ½; Sections 17–20; Section 21 except E ½ NE ¼; W ½ SW ¼ Section 22; Section 27, except NE ¼ NE ¼, E ½ SE ¼; Sections 28–33; Section 34 except E ¼.

T.06N., R.04E. Humboldt Meridian: Sections 13–15; Sections 21–27; Section 28 except SW ¼ NW ¼, NW ¼ SW ¼; Section 33 except W ½ NW ¼, SW ¼; Sections 34–35.

T.06N., R.05E. Humboldt Meridian: W ½, W ½ SE ¼ Section 18; Section 19 except E ½ NE ¼; SW ¼ SW ¼ Section 29; Sections 30–31; Section 32 except NE ¼, NE ¼ SE ¼, NE ¼ NW ¼



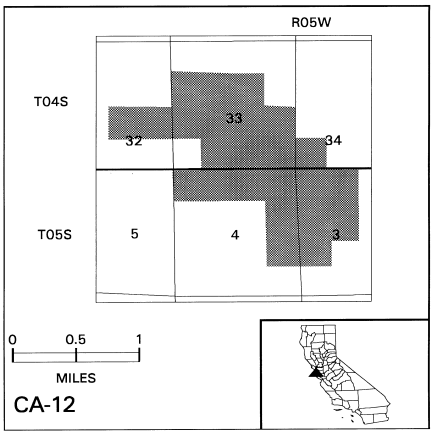
Map and description of CA–12 taken from United States Fish and Wildlife Service 1:100,000 map; California; 1995.

Critical Habitat includes only City lands described within the following areas:

T.04S., R.05W. Mount Diablo Meridian: N½ SE¼ Section 32; S½ NW¼, SE¼, SW¼ NE¼,

N½ SW¼, SE¼ SW¼ Section 33; SW¼ SW¼ Section 34.

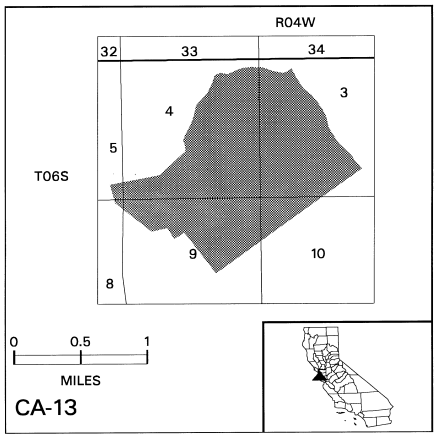
T.05S., R.05W. Mount Diablo Meridian: NW¼, NW¼ SW¼ Section 3; SE¼ NE¼, N½ N½, NE¼ SE¼ Section 4.



Map and description of CA–13 taken from United States Fish and Wildlife Service 1:100,000 map; California; 1995.

Critical Habitat includes only County lands bounded by the following description within Spanish Land Grant Canada de Raymundo:

Starting at the intersection of West Union Creek with the San Francisco State Fish and Game Refuge boundary, west along the San Francisco State Fish and Game Refuge boundary to the intersection with State Highway 35, southeast on State Highway 35 to the intersection with the San Francisco State Fish and Game Refuge boundary, southeast along the San Francisco State Fish and Game Refuge boundary to Woodside City boundary, northeast along Woodside City boundary to the intersection with Greer Road, northwest on Greer Road to the intersection with West Union Creek, north along West Union Creek to the intersection with the San Francisco State Fish and Game Refuge boundary.



Map and description of CA–14–a taken from United States Fish and Wildlife Service 1:100,000 map; California; 1995.

Critical Habitat includes only County lands described within the following areas:

T.07S., R.03W. Mount Diablo Meridian: S½, SE¼ NE¼ Section 31; W½ SW¼, SW¼ NW¼ Section 32.

T.07S., R.04W. Mount Diablo Meridian: S½ NE¼, SE¼ Section 22; S½ SW¼, NW¼ SW¼ Section 23; SW¼, W½ SE¼, S½ NW¼, SW¼ NE¼ Section 25; Section 26 except SW¼, NE¼ NE¼, S½ SE¼, W½ NW¼; E½, SE¼ NW¼ Section 33; S½, SW¼ NW¼ Section 34; Section 35 except N½ N½; Section 36 except E½ NE¼.

T.08S., R.03W. Mount Diablo Meridian: Sections 6–7; S½ S½ Section 8; SW¼ SW¼ Section 9; NW¼ Section 16; N½ N½, SW¼ NW¼ Section 17; N½, N½ SE¼ Section 18.

T.08S., R.04W. Mount Diablo Meridian: Sections 1–2; SE¼ Section 3; NE¼ NE¼, N½ NW¼ Section 10; NE¼, N½ NW¼ Section 11; Section 12 except SW¼ SW¼.

Critical Habitat includes only Private lands described within the following areas:

T.07S., R.04W. Mount Diablo Meridian: N½ NE¼ Section 35.

T.08S., R.04W. Mount Diablo Meridian: S½ Section 4; SE¼ Section 5; Sections 7–8; N½ Section 9; Section 16–18; Section 20 except NW¼, SE¼ SE¼; NW¼ Section 21.

DESCRIPTION OF LANDS USING PROTRACTED PUBLIC LAND SURVEY LINES

Critical Habitat includes only State lands described within the following areas:

T.07S., R03W. Mount Diablo Meridian: W½ SE¼, SW¼, SE¼ NW¼, SW¼ NE¼ Section 33.

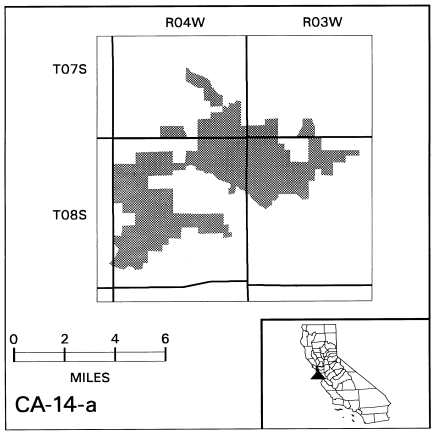
T.08S., R03W. Mount Diablo Meridian: N½ SW¼ Section 2; S½ Section 3; E½ Section 4; S½ NW¼, NW¼ NW¼, SW¼, W½ SE¼ Section 5; Section 8 except SW¼ SW¼; Section

9 except S½ SE¼, NE¼ SE¼, SE¼ NE¼; NW¼ Section 10.

T.08S., R04W. Mount Diablo Meridian: Section 19; S½ SE¼ Section 20; Section 21 except NW¼; Section 22 except SE¼, E½ SW¼; Section 23 except S½ S½; W½ SW¼ Section 24; NW¼, NW¼ NE¼ Section 28; Sections 29–30; N½ Section 32.

Critical Habitat includes only State lands within Rancho Punta del Ano Nuevo Spanish Land Grant bounded by the following description:

Starting at the intersection of Butano Park Road with Cloverdale Road, south along Cloverdale Road to the intersection with Gazos Creek Road, east along Gazos Creek Road to the intersection with Punta del Ano Nuevo Spanish Land Grant boundary, north along the Punta del Ano Nuevo Spanish Land Grant boundary to the intersection with Butano Park Road, west along Butano Park Road to the intersection of Butano Park Road with Cloverdale Road.



Map and description of CA–14–b taken from United States Fish and Wildlife Service 1:100,000 map; California; 1995.

DESCRIPTION OF LANDS USING PROTRACTED PUBLIC LAND SURVEY LINES

Critical Habitat includes only State lands described within the following areas:

T.08S., R.03W. Mount Diablo Meridian: SE¼ SW¼, S½ SE¼ Section 19; S½ SW¼ Section 20; NE¼ NE¼, SW¼ SE¼ Section 26, Section 29 ; Section 30 except NW¼ NW¼; Sections 31–33.

T.08S., R.04W. Mount Diablo Meridian: SE¼, S½ SW¼ Section 25; S½ Section 35; Section 36.

T.09S., R.03W. Mount Diablo Meridian: NW¼ Section 3; Sections 4–8; SE¼ NW¼, SW¼, N½ NE¼, SE¼ NE¼, N½ SE¼, SE¼ SE¼ Section 9; S½ SW¼, NW¼ SW¼, Section 10; NW¼ Section 15; NE¼, N½ SE¼ Section 16; W½ NW¼ Section 17; Section 18; N½ NW¼, SE¼ NW¼, N½ SW¼ Section 19; S½ NE¼, NW¼ SE¼, SE¼ SE¼ Section 30; S½ N½, NE¼ NE¼ Section 31.

T.09S., R.04W. Mount Diablo Meridian: Sections 1–2; Section 3 except N½ NW¼, E½ SW¼; NW¼ NE¼, SE¼ NE¼ Section 4; SE¼, S½ SW¼, NE¼ SW¼, S½ NE¼ Section 9; Section 10 except NW¼; Sections 11–12; Section 13 except SW¼ SE¼; Section 14; Section 15 except SE¼ SE¼; Section 16; NE¼ NE¼ Section 21; Section 22 except SW¼ SE¼, SE¼ SW¼; Section 23; Section 24; N½ NW¼, SE¼ SE¼, SE¼ SW¼ Section 25; W½, W½ E½ Section 26; Section 27 except NW¼ NW¼; Section 34; NE¼ NW¼, W½ W½ SE¼ SW¼ Section 35.

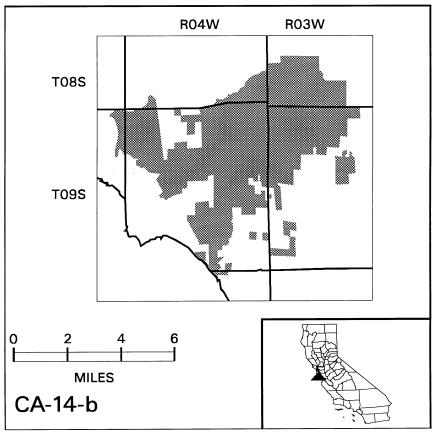
T.10S., R.04W. Mount Diablo Meridian: Sections 2–3.

Critical Habitat includes only Private lands described within the following areas:

T.09S., R.04W. Mount Diablo Meridian: Section 16; Section 21 except S½, E½ NE¼.

Critical Habitat includes only State lands bounded by the following description within Spanish Land Grant Punta de Ano Nuevo:

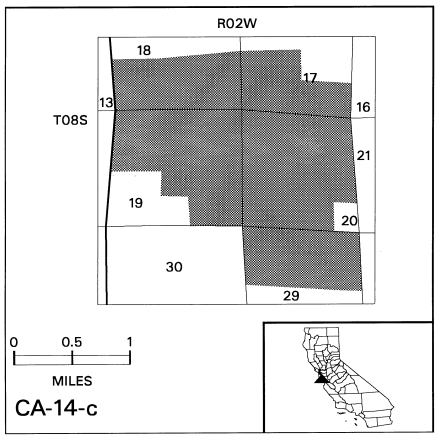
Starting at the intersection of the Spanish Land Grant boundary with Green Oaks Creek, north along the Spanish Land Grant boundary to the intersection with Gazos Creek, west along Gazos Creek to the intersection with State Highway 1, south on State Highway 1 to the intersection with Green Oaks Creek, and east along Green Oaks Creek to the Spanish Land Grant boundary.



Map and description of CA–14–c taken from United States Fish and Wildlife Service 1:100,000 map; California; 1995.

Critical Habitat includes only State lands described within the following areas:

T.08S., R.02W. Mount Diablo Meridian: SW¼, S½ SE¼ Section 17; S½ Section 18; Section 19 except S½ SW¼, NW¼ SW¼; Section 20 except SE¼ SE¼; N½ Section 29.



Map and description of CA–15 taken from United States Fish and Wildlife Service 1:100,000 map; California; 1995.

Critical Habitat includes only State lands described within the following areas:

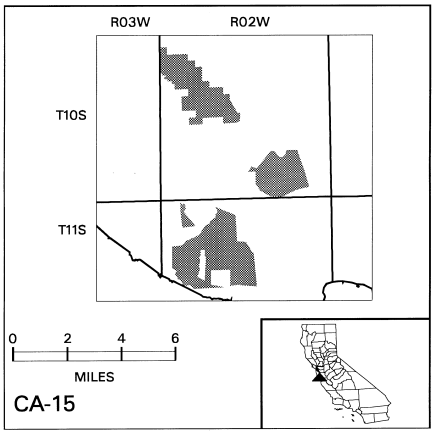
T.10S., R.02W. Mount Diablo Meridian: S½ S½, NW¼ SW¼ Section 6; Section 7 except S½ SW¼, ; SW¼, S½ NW¼, SW¼ SE¼, NW¼ NW¼ Section 8; SW¼, S½ NW¼, NW¼ NW¼, S½ SE¼, NW¼ SE¼ Section 16; Section 17 except SW¼ SW¼; SE¼ NE¼, NE¼ SE¼ Section 18; N½ NW¼ Section 20; NE¼, E½ NW¼ Section 21.

Critical Habitat includes only State lands within the following area:

Spanish Land Grant Canada del Rincon en el Rio de San Lorenzo de Santa Cruz west of Graham Hill Road.

Critical Habitat includes only State lands bounded by the following description within Spanish Land Grant Rancho Refugio:

Starting at the intersection of State Highway 1 with the western boundary of the Rancho Refugio Spanish Land Grant, proceeding east on State Highway 1 to its intersection with Moore Creek, north along Moore Creek to the intersection with Empire Grade Road, northwest on Empire Grade Road to the intersection with the eastern boundary of the Rancho Refugio Spanish Land Grant, west and then southwest along the Rancho Refugio Spanish Land Grant boundary to the intersection with State Highway 1.



MEXICAN SPOTTED OWL (*Strix occidentalis lucida*)

(1) Critical habitat units for the States of Arizona, Colorado, New Mexico, and Utah are depicted on the maps below. Larger maps and digital files for all four States and maps of critical habitat units in the State of New Mexico are available at the New Mexico Ecological Services Field Office, 2105 Osuna N.E., Albuquerque, New Mexico 87113, telephone (505) 346–2525. For the States of Arizona, Colorado, and Utah, maps of the critical habitat units specific to each State are available at the following Service offices—Arizona Ecological Services Field Office, 2321 West Royal Palm Road, Suite 103, Phoenix, Arizona 85021, telephone (602) 640–2720; Colorado State Sub-Office, 764 Horizon Drive South, Annex A, Grand Junction, Colorado 81506, telephone (970) 243–2778; and Utah Ecological Services Field Office, Lincoln Plaza, 145 East 1300 South, Suite 404, Salt Lake City, Utah 84115, telephone (801) 524–5001.

(2) Critical habitat units are designated in portions of McKinley, Rio Arriba, Sandoval, and Socorro Counties in New Mexico; Apache, Cochise, Coconino, Graham, and Pima Counties in Arizona; Carbon, Emery, Garfield, Grand, Iron, Kane, Washington, and Wayne Counties in Utah; and Custer, Douglas, El Paso, Fremont, Huerfano, Jefferson, Pueblo, and Teller Counties in Colorado.

(3)(i) The primary constituent elements essential to the conservation of the owl include those physical and biological features that support nesting, roosting, and foraging. These elements were determined from studies of owl behavior and habitat use throughout the range of the owl. Although the vegetative communities and structural attributes used by the owl vary across the range of the subspecies, they consist primarily of mixed conifer forests or canyons. The mixed-conifer, pine-oak communities

and canyon habitat appear to be the most frequently used community throughout most portions of the subspecies' range (Skaggs and Raitt 1988; Ganey and Balda 1989, 1994; Gutierrez and Rinkevich 1991, Service 1995). Although the structural characteristics of owl habitat vary depending on uses of the habitat (e.g., nesting, roosting, foraging) and variations in the plant communities over the range of the subspecies, some general attributes are common to the subspecies' life-history requirements throughout its range.

(ii) Protected and restricted habitat are two of the three types of owl habitat discussed in the Recovery Plan and are used as the basis for defining critical habitat. Protected areas include known owl sites (PACs), areas in mixed-conifer and pine-oak types with greater than 40 percent slopes where timber harvest has not occurred in the past 20 years and administratively reserved lands, such as Wilderness Areas or Research Natural Areas. Restricted habitat includes mixed-conifer forest, pine-oak forest, and riparian areas outside of protected areas. This final rule does not include all areas that meet the definition of protected and restricted habitat.

(iii) Canyon habitats used for nesting and roosting are typically characterized by cooler conditions found in steep, narrow canyons, often containing crevices, ledges, and/or caves. These canyons frequently contain small clumps or stringers of ponderosa pine, Douglas-fir, white fir, and/or pinyon-juniper. Deciduous riparian and upland tree species may also be present. Adjacent uplands are usually vegetated by a variety of plant associations including pinyon-juniper woodland, desert scrub vegetation, ponderosa pine-Gamble oak, ponderosa pine, or mixed-conifer. Owl habitat may also exhibit a combination of attributes between the forested and canyon types.

(iv) The primary constituent elements for the Mexican spotted owl are:

(A) Primary constituent elements related to forest structure:

(*1*) A range of tree species, including mixed conifer, pine-oak, and riparian forest types, composed of different tree sizes reflecting different ages of trees, 30 percent to 45 percent of which are large trees with a trunk diameter of 12 inches (0.3 meters) or more when measured at 4.5 feet (1.4 meters) from the ground;

(*2*) A shade canopy created by the tree branches covering 40 percent or more of the ground; and

(*3*) Large dead trees (snags) with a trunk diameter of at least 12 inches (0.3 meters) when measured at 4.5 feet (1.4 meters) from the ground.

(B) Primary constituent elements related to maintenance of adequate prey species:

(*1*) High volumes of fallen trees and other woody debris;

(*2*) A wide range of tree and plant species, including hardwoods; and

(*3*) Adequate levels of residual plant cover to maintain fruits, seeds, and allow plant regeneration.

(C) Primary constituent elements related to canyon habitat include one or more of the following:

(*1*) Presence of water (often providing cooler and often higher humidity than the surrounding areas);

(*2*) Clumps or stringers of mixed-conifer, pine-oak, pinyon-juniper, and/or riparian vegetation;

(*3*) Canyon wall containing crevices, ledges, or caves; and

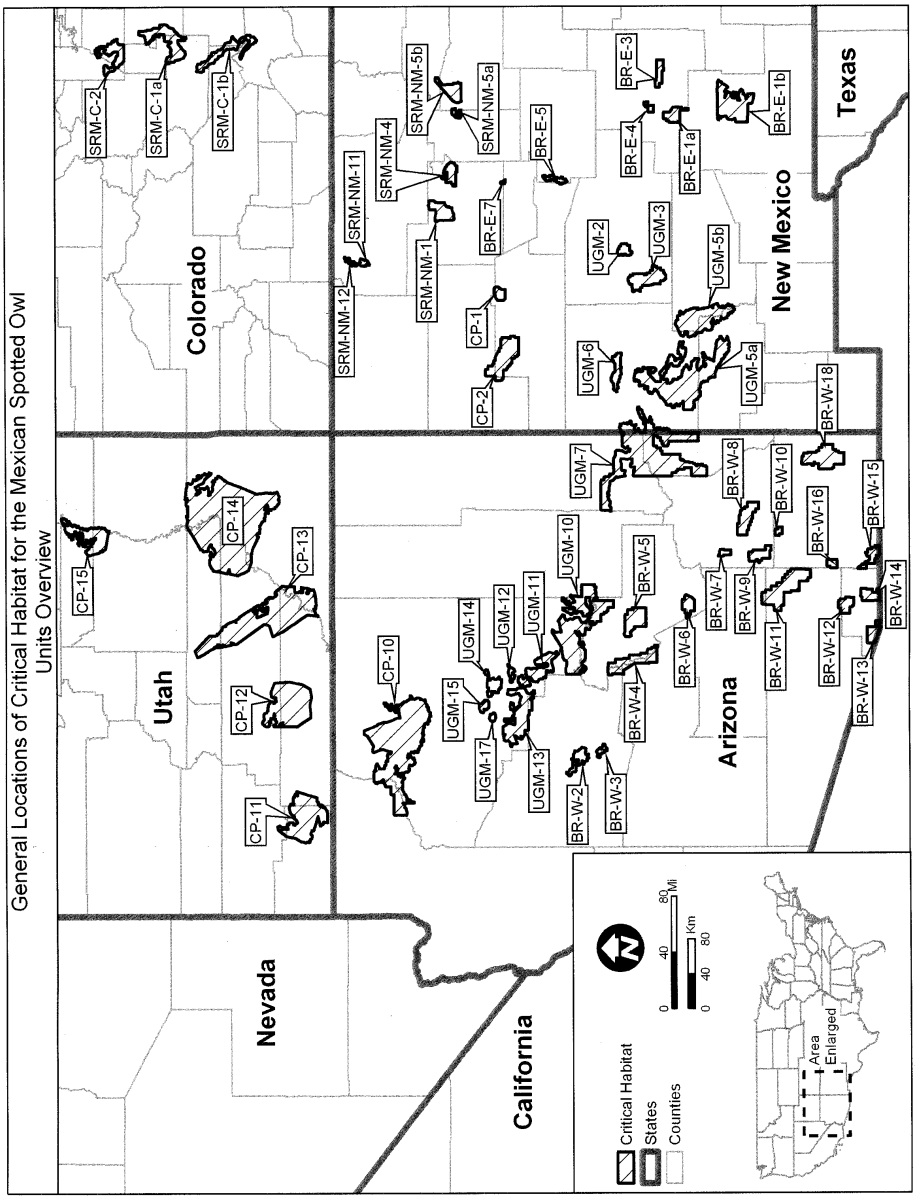
(*4*) High percent of ground litter and woody debris.

(4) Lands located within the mapped boundaries of the critical habitat designation that are not included in this designation, and are therefore excluded by definition, include: State and private lands, 157 wildland urban interface projects and the Penasco WUI project area that contain owls or habitat on Forest Service lands that are identified in the Wildland Urban Interface database located at *http://www.fs.fed.us/r3/wui/* and addressed in the April 10, 2001, final biological opinion on the Forest Service's proposed wildland urban interface fuel treatments in New Mexico and Arizona and the September 27, 2002, final biological opinion on the Rio Penasco II Non-Programmatic Vegetation Management Project and Forest Plan Amendment. The final biological opinions are available from the New Mexico Ecological Services Field Office, 2105 Osuna Road NE, Albuquerque, NM 87113.

(5) Critical habitat is defined as those areas within the mapped boundaries. Federal actions within the mapped boundaries would not trigger a section 7 consultation unless they may affect the owl or affect protected or restricted habitat, which includes canyon habitat, and one or more of the primary constituent elements.

(6) The minimum mapping unit for this designation does not exclude all developed areas, such as buildings, roads, bridges, parking lots, railroad tracks, other paved areas, the lands that support these features, and other lands unlikely to contain the primary constituent elements. Federal actions limited to these areas would not trigger a section 7 consultation, unless they affect protected or restricted habitat and one or more of the primary constituent elements in adjacent critical habitat.

(7) Overview map of general locations of critical habitat for the Mexican spotted owl follows:

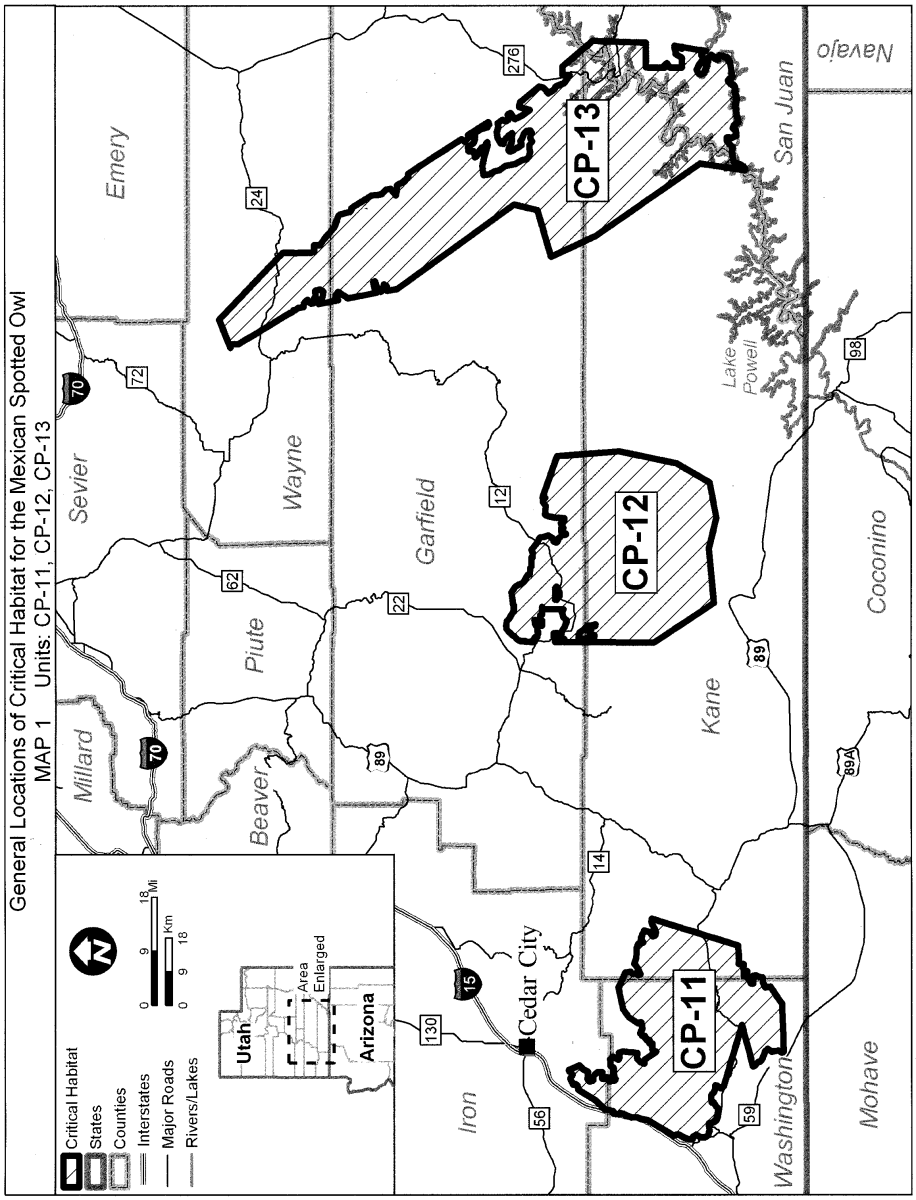


(8) Unit CP–11: Iron, Kane, and Washington Counties, Utah. The map of Unit CP–11 is provided at paragraph (11) of this entry.

(9) Unit CP–12: Garfield and Kane Counties, Utah. The map of Unit CP–12 is provided at paragraph (11) of this entry.

(10) Unit CP–13: Garfield, Kane, San Juan, and Wayne Counties, Utah. The map of Unit CP–13 is provided at paragraph (11) of this entry.

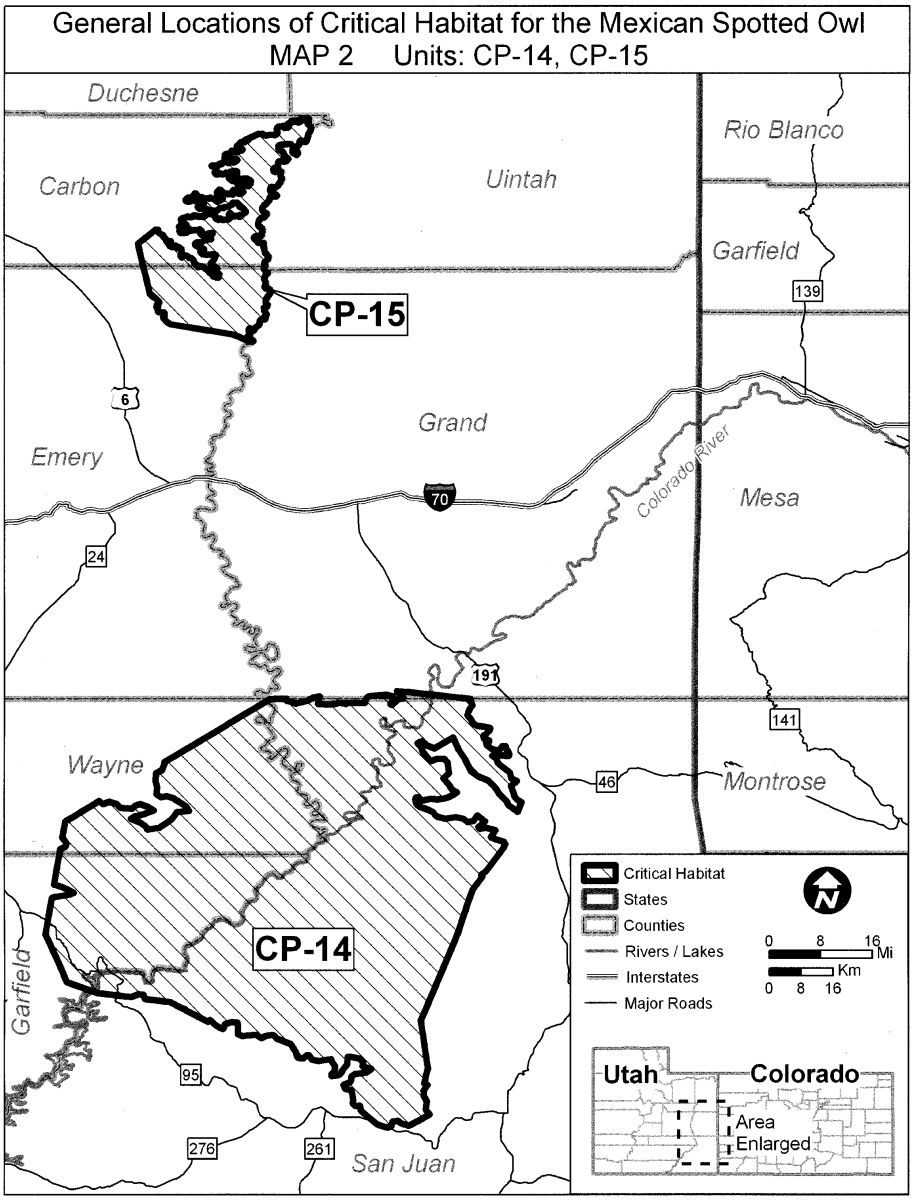
(11) Map 1 of Units CP 11, 12, and 13 follows:



(12) Unit CP–14: Garfield, Grand, San Juan, and Wayne Counties, Utah. The map of Unit CP–14 is provided at paragraph (14) of this entry.

(13) Unit CP–15: Carbon and Emery Counties, Utah. The map of Unit CP–15 is provided at paragraph (14) of this entry.

(14) Map 2 of Units CP14 and 15 follows:

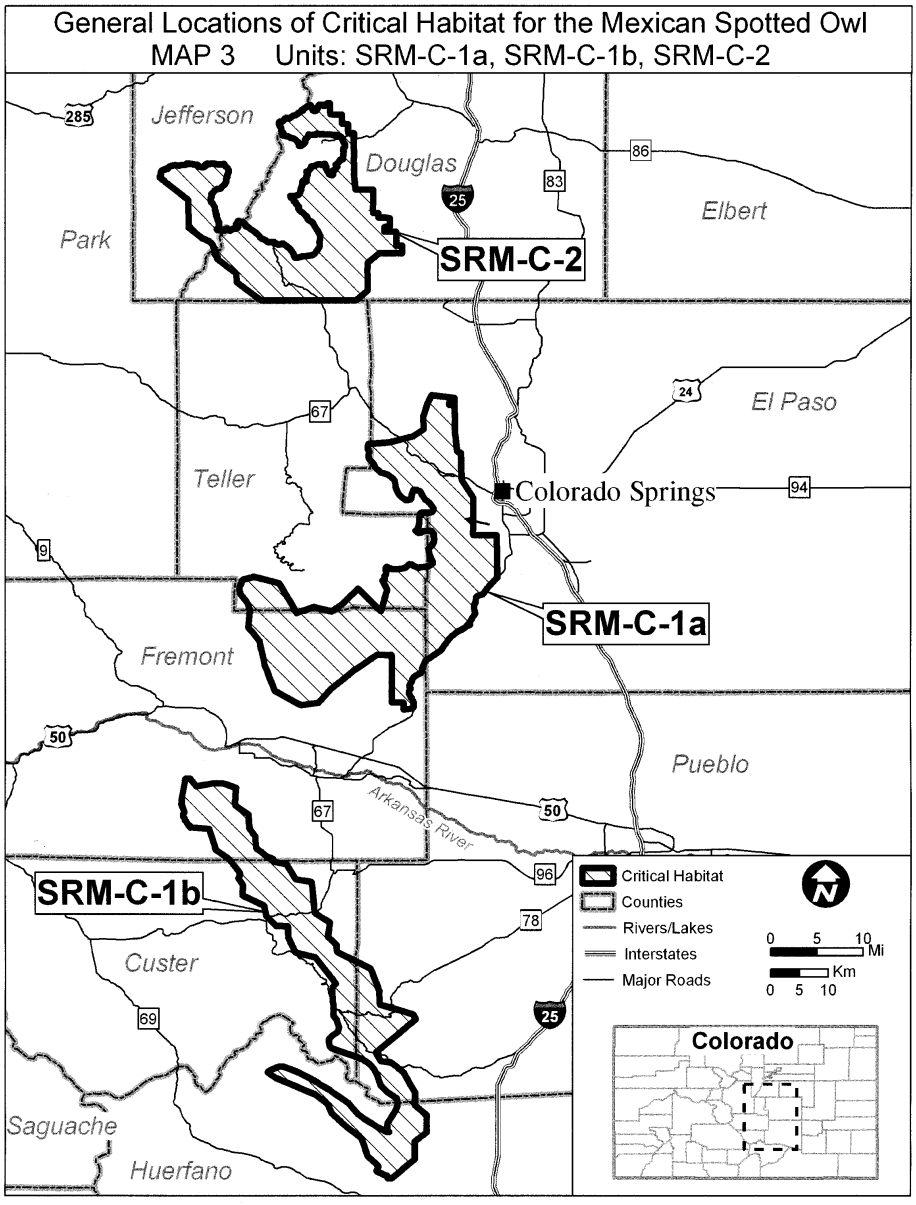


(15) Unit SRM–C–1a: El Paso, Fremont, and Teller Counties, Colorado. The map of Unit SRM–C–1a is provided at paragraph (18) of this entry.

(16) Unit SRM–C–1b: Custer, Fremont, Huerfano, and Pueblo Counties, Colorado. The map of Unit SRM–C–1b is provided at paragraph (18) of this entry.

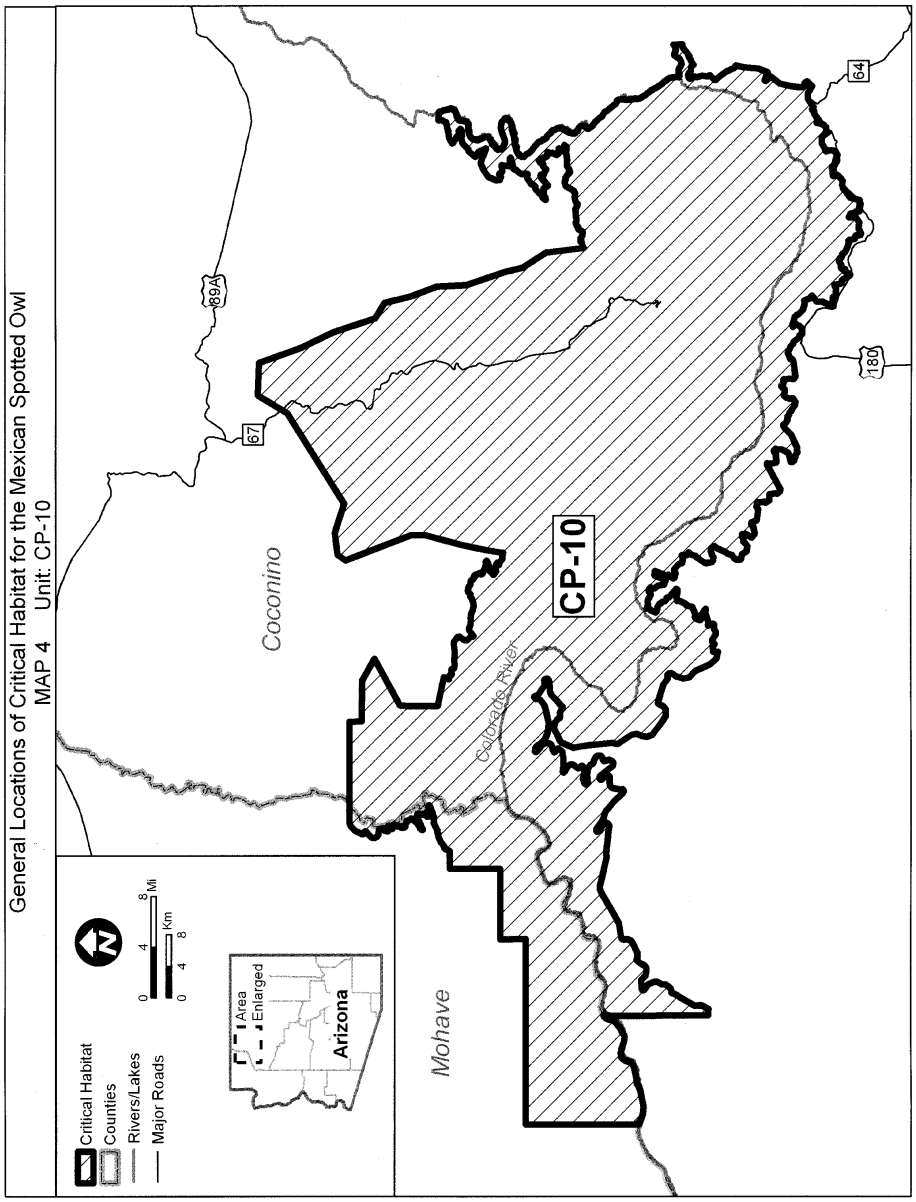
(17) Unit SRM–C–2: Douglas and Jefferson Counties, Colorado. The map of Unit SRM–C–2 is provided at paragraph (18) of this entry.

(18) Map 3 of Units SRM-C-1a, SRM-C-1b, SRM-C-2 follows:



(19) Unit CP–10: Coconino and Mohave Counties, Arizona. The map of Unit CP–10 is provided at paragraph (20) of this entry.

(20) Map 4 of Unit CP–10 follows:



(21) Unit UGM–11: Coconino County, Arizona. The map of Unit UGM–11 is provided at paragraph (27) of this entry.

(22) Unit UGM–12: Coconino County, Arizona. The map of Unit UGM–12 is provided at paragraph (27) of this entry.

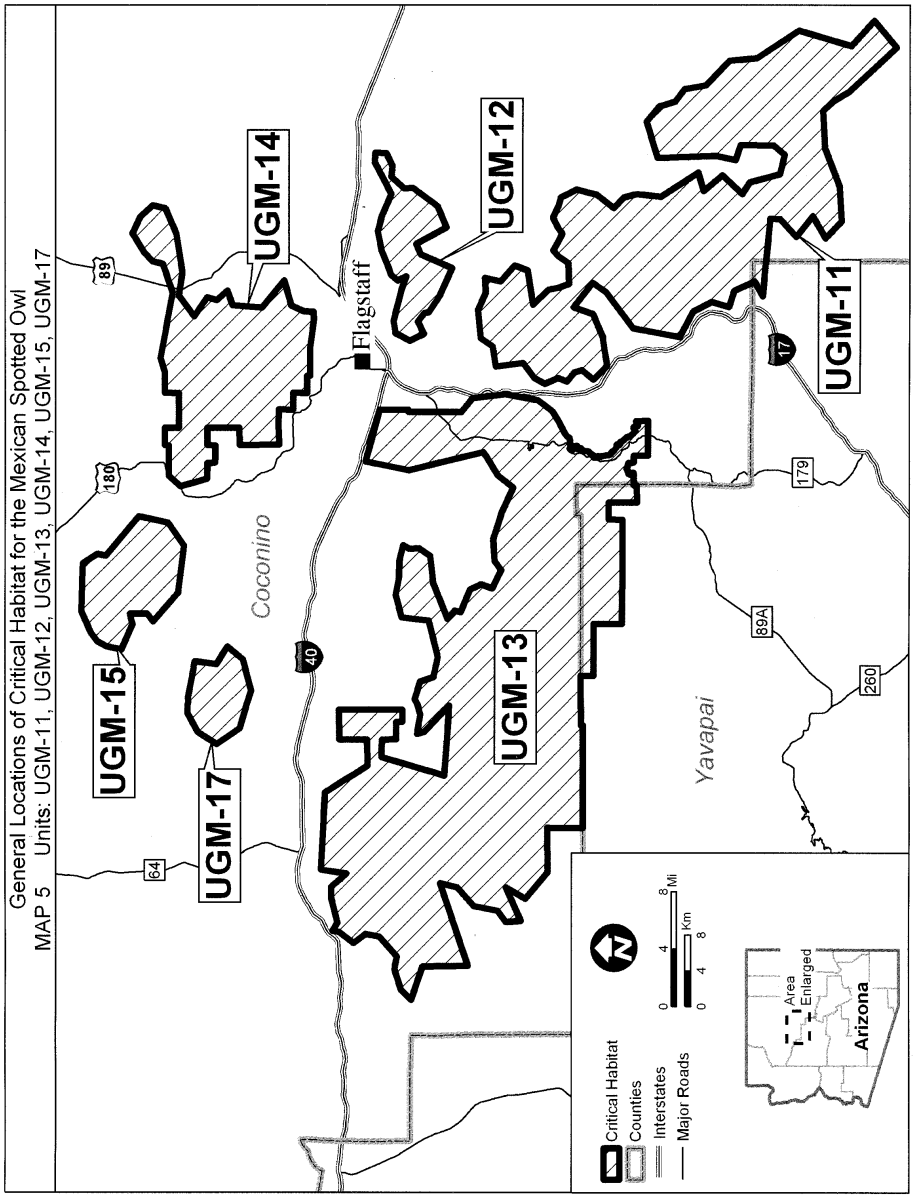
(23) Unit UGM–13: Coconino and Yavapai Counties, Arizona. The map of Unit UGM–13 is provided at paragraph (27) of this entry.

(24) Unit UGM–14: Coconino County, Arizona. The map of Unit UGM–14 is provided at paragraph (27) of this entry.

(25) Unit UGM–15: Coconino County, Arizona. The map of Unit UGM–15 is provided at paragraph (27) of this entry.

(26) Unit UGM–17: Coconino County, Arizona. The map of Unit UGM–17 is provided at paragraph (27) of this entry.

(27) Map 5 of Units UGM–11, UGM–12, UGM–13, UGM–14, UGM–15, UGM–17 follows:



(28) Unit BR–W–2: Yavapai County, Arizona. The map of Unit BR–W–2 is provided at paragraph (33) of this entry.

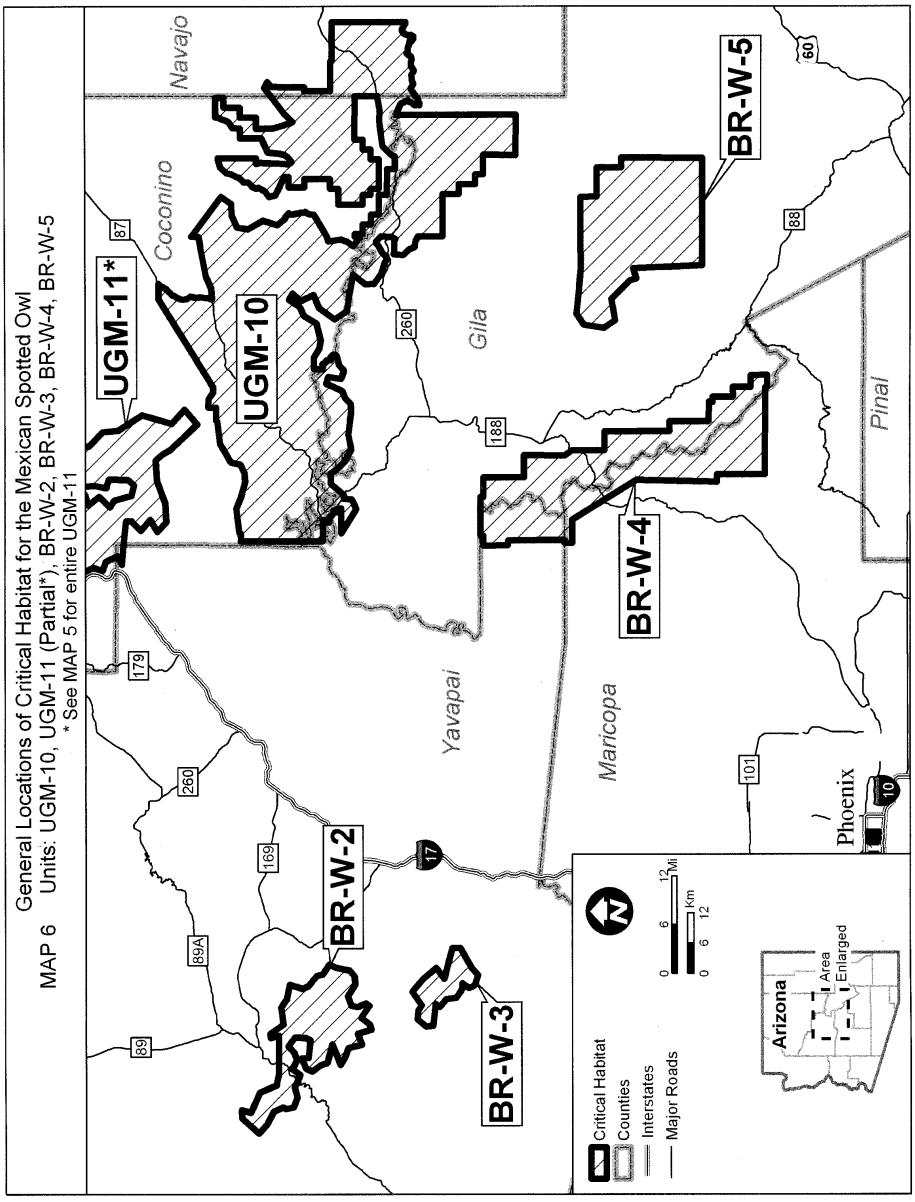
(29) Unit BR–W–3: Yavapai County, Arizona. The map of Unit BR–W–3 is provided at paragraph (33) of this entry.

(30) Unit BR–W–4: Gila, Maricopa, and Yavapai Counties, Arizona. The map of Unit BR–W–4 is provided at paragraph (33) of this entry.

(31) Unit BR–W–5: Gila County, Arizona. The map of Unit BR–W–5 is provided at paragraph (33) of this entry.

(32) Unit UGM–10: Coconino, Gila, and Navajo Counties, Arizona. The map of Unit UGM–10 is provided at paragraph (33) of this entry.

(33) Map 6 of Units UGM-10, UGM-11, BR-W-2, BR-W-3, BR-W-4, BR-W-5 follows:



(34) Unit BR–W–6: Gila County, Arizona. The map of Unit BR–W–6 is provided at paragraph (40) of this entry.

(35) Unit BR–W–7: Graham County, Arizona. The map of Unit BR–W–7 is provided at paragraph (40) of this entry.

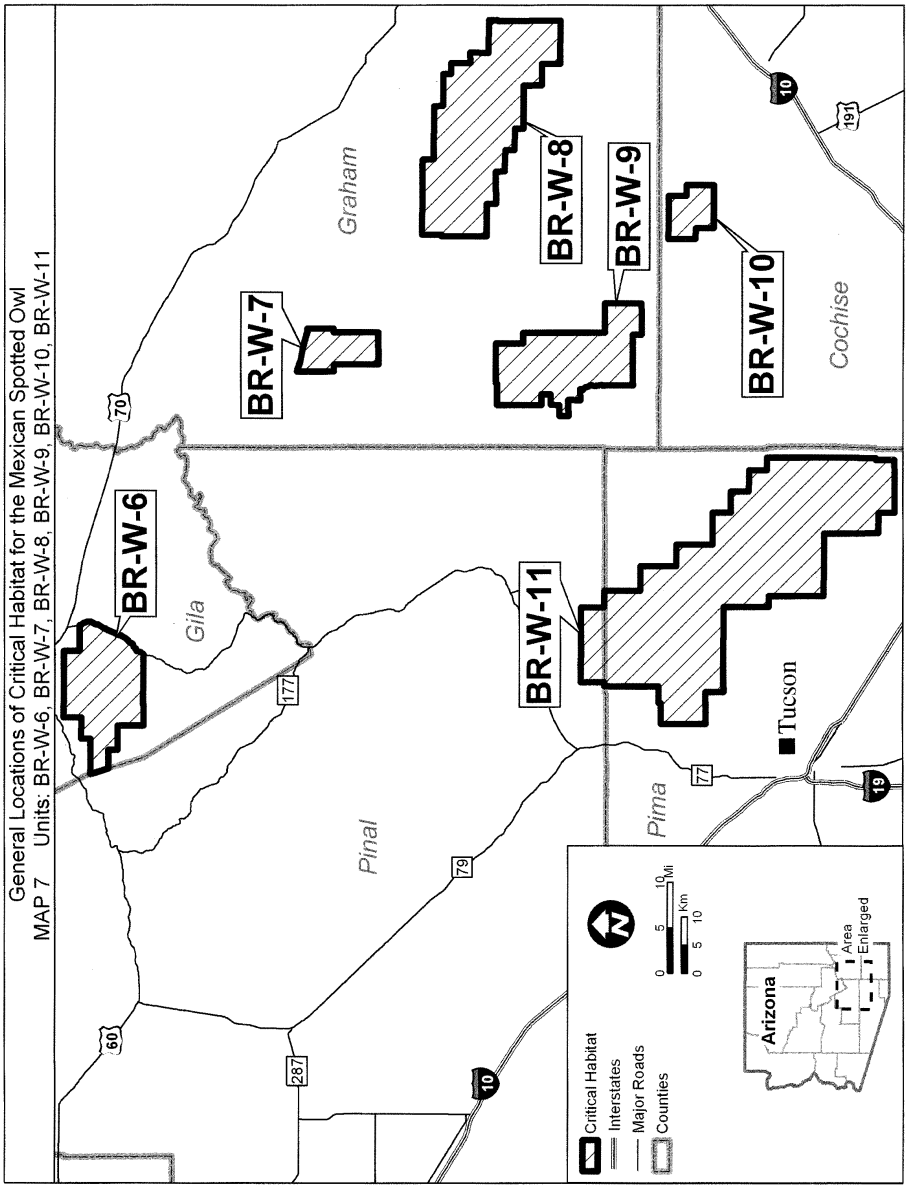
(36) Unit BR–W–8: Graham County, Arizona. The map of Unit BR–W–8 is provided at paragraph (40) of this entry.

(37) Unit BR–W–9: Graham County, Arizona. The map of Unit BR–W–9 is provided at paragraph (40) of this entry.

(38) Unit BR–W–10: Cochise County, Arizona. The map of Unit BR–W–10 is provided at paragraph (40) of this entry.

(39) Unit BR–W–11: Pima and Pinal Counties, Arizona. The map of Unit BR–W–11 is provided at paragraph (40) of this entry.

(40) Map 7 of Units BR-W-6, BR-W-7, BR-W-8, BR-W-9, BR-W-10, BR-W-11 follows:



(41) Unit BR–W–12: Pima and Santa Cruz Counties, Arizona. The map of Unit BR–W–12 is provided at paragraph (46) of this entry.

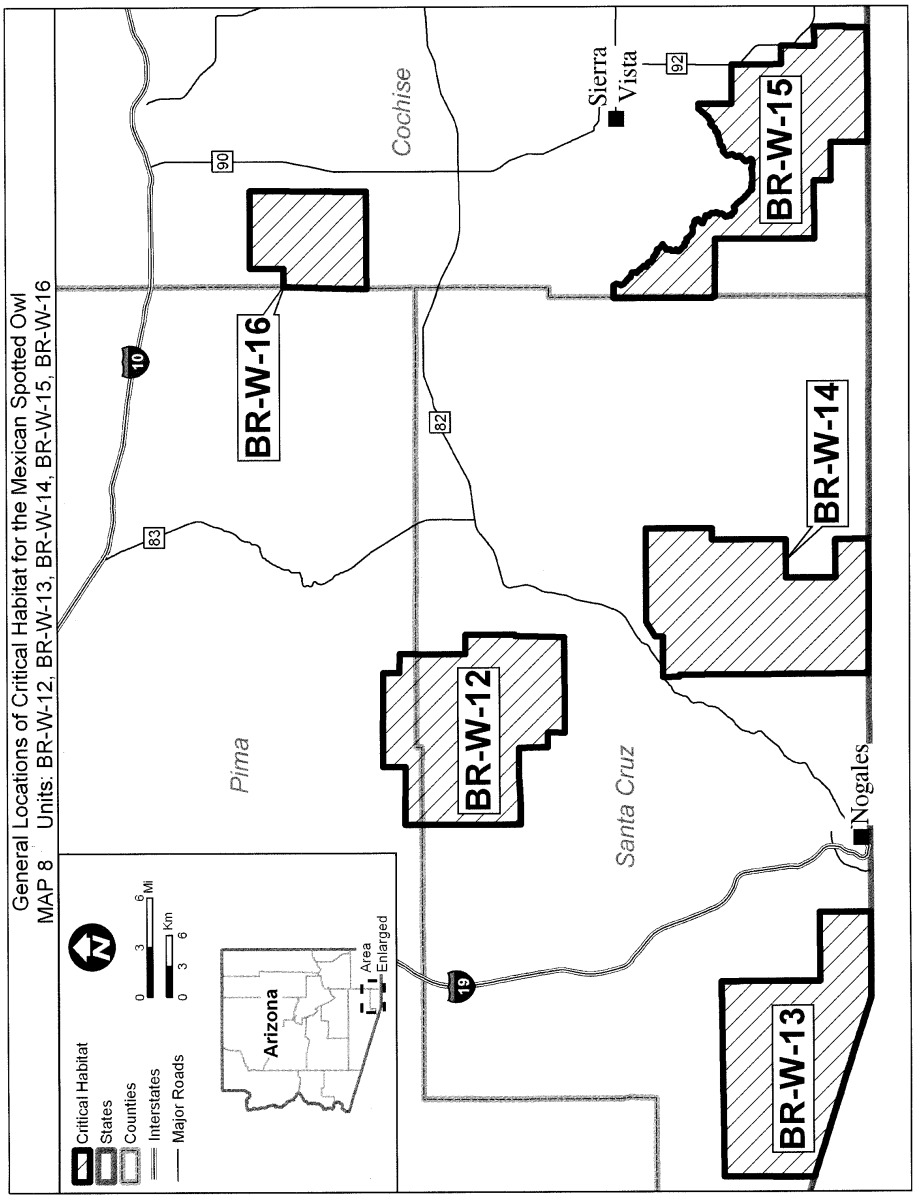
(42) Unit BR–W–13: Santa Cruz County, Arizona. The map of Unit BR–W–13 is provided at paragraph (46) of this entry.

(43) Unit BR–W–14: Santa Cruz County, Arizona. The map of Unit BR–W–14 is provided at paragraph (46) of this entry.

(44) Unit BR–W–15: Cochise County, Arizona. The map of Unit BR–W–15 is provided at paragraph (46) of this entry.

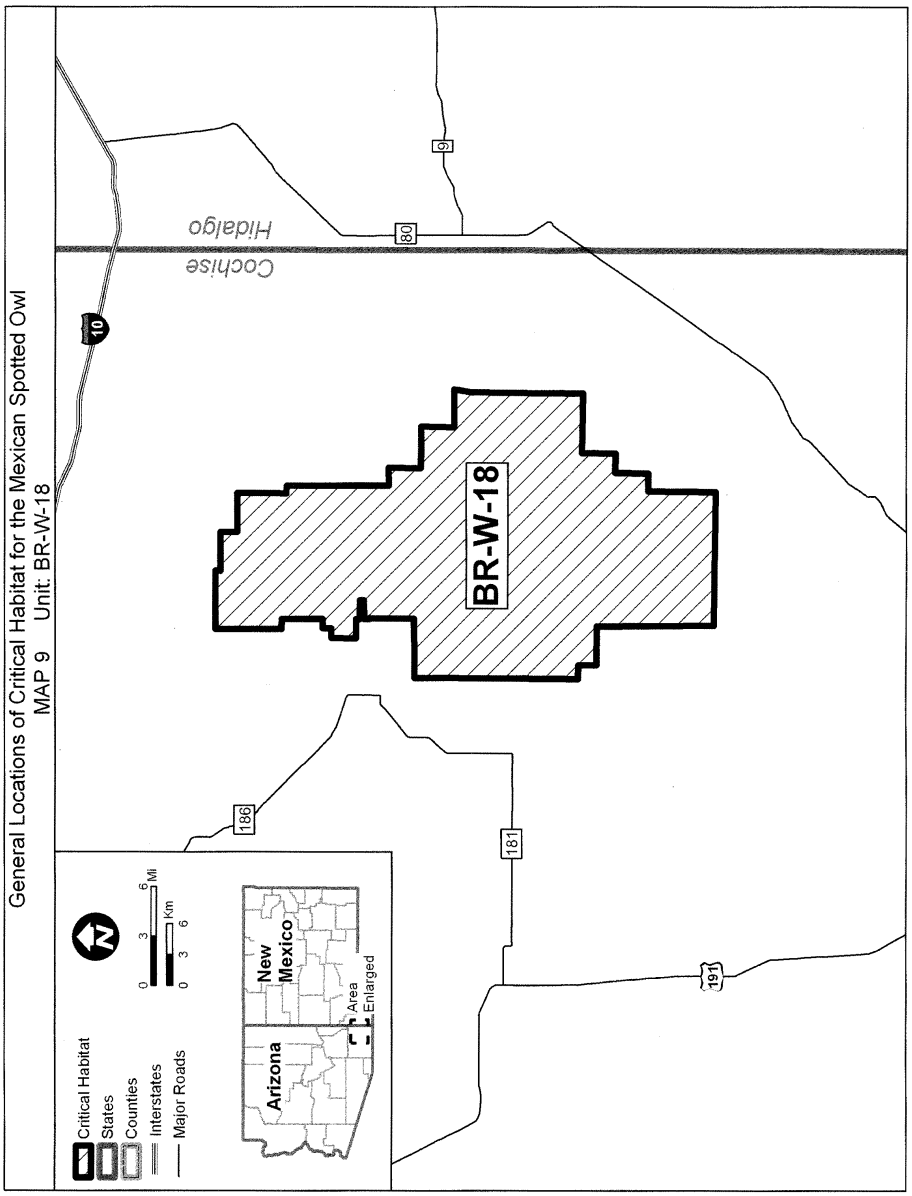
(45) Unit BR–W–16: Cochise County, Arizona. The map of Unit BR–W–16 is provided at paragraph (46) of this entry.

(46) Map 8 of Units BR-W-12, BR-W-13, BR-W-14, BR-W-15, BR-W-16 follows:



(47) Unit BR–W–18: Cochise County, Arizona. The map of Unit BR–W–18 is provided at paragraph (48) of this entry.

(48) Map 9 of Unit BR-W-18 follows:



(49) Unit UGM–2: Socorro County, New Mexico. The map of Unit UGM–2 is provided at paragraph (55) of this entry.

(50) Unit UGM–3: Socorro County, New Mexico. The map of Unit UGM–3 is provided at paragraph (55) of this entry.

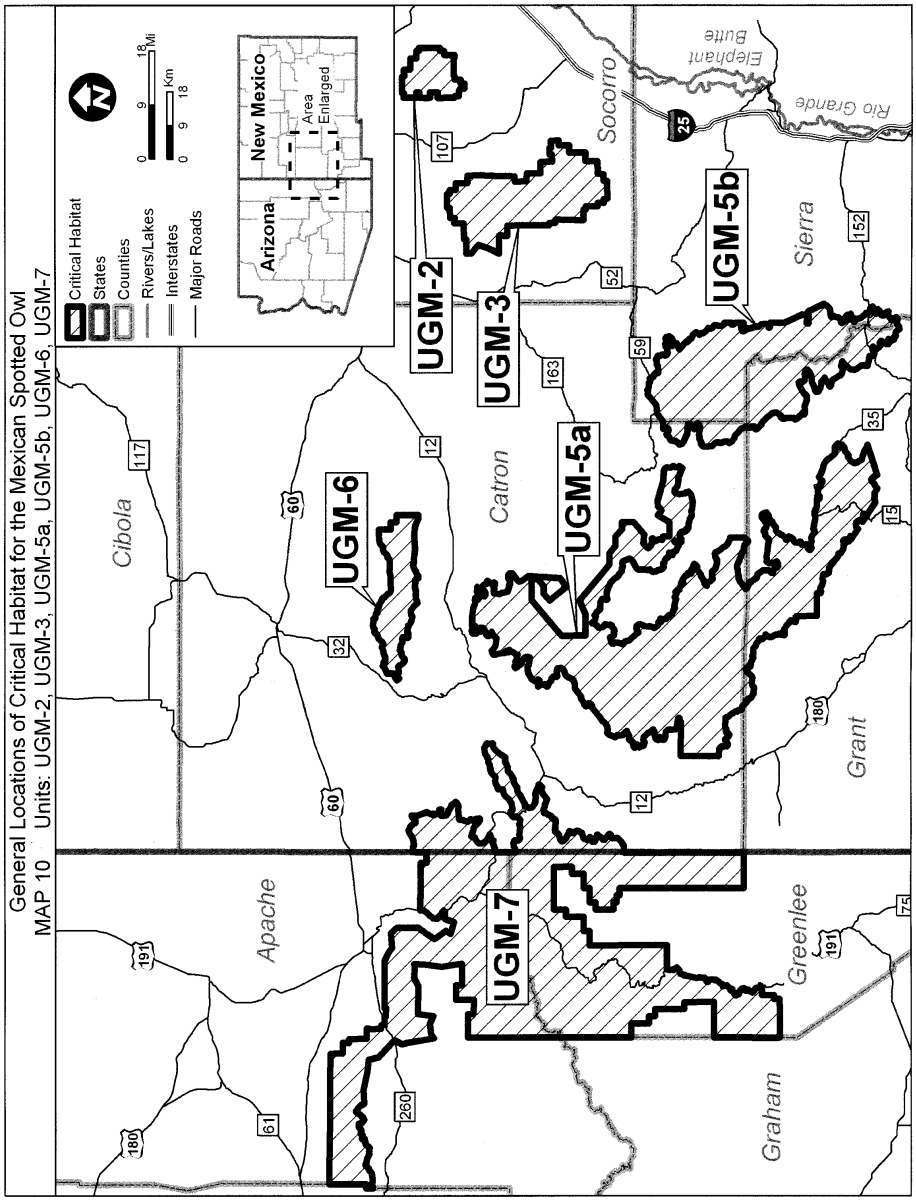
(51) Unit UGM–5a: Catron and Grant Counties, New Mexico. The map of Unit UGM–5a is provided at paragraph (55) of this entry.

(52) Unit UGM–5b: Catron, Grant, and Sierra Counties, New Mexico. The map of Unit UGM–5b is provided at paragraph (55) of this entry.

(53) Unit UGM–6: Catron County, New Mexico. The map of Unit UGM–6 is provided at paragraph (55) of this entry.

(54) Unit UGM–7: Apache and Greenlee Counties, Arizona, and Catron County, New Mexico. The map of Unit UGM–7 is provided at paragraph (55) of this entry.

(55) Map 10 of Units UGM-2, UGM-3, UGM-5a, UGM-5b, UGM-6, UGM-7 follows:



(56) Unit SRM–NM–1: Los Alamos County, New Mexico. The map of Unit SRM–NM–1 is provided at paragraph (62) of this entry.

(57) Unit SRM–NM–4: Los Alamos County, New Mexico. The map of Unit SRM–NM–4 is provided at paragraph (62) of this entry.

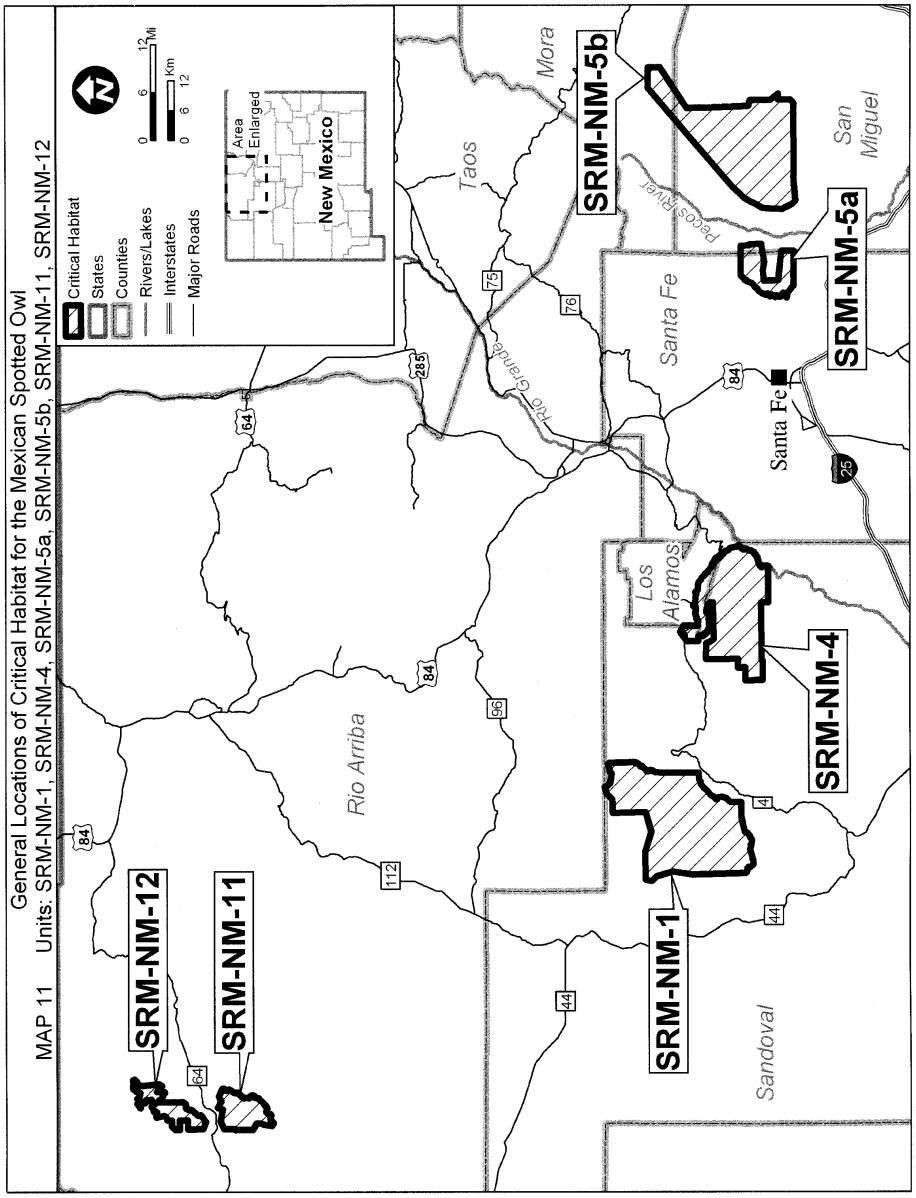
(58) Unit SRM–NM–5a: San Miguel and Santa Fe Counties, New Mexico. The map of Unit SRM–NM–5a is provided at paragraph (62) of this entry.

(59) Unit SRM–NM–5b: Mora and San Miguel Counties, New Mexico. The map of Unit SRM–NM–5b is provided at paragraph (62) of this entry.

(60) Unit SRM–NM–11: Rio Arriba County, New Mexico. The map of Unit SRM–NM–11 is provided at paragraph (62) of this entry.

(61) Unit SRM–M–12: Rio Arriba County, New Mexico. The map of Unit SRM–NM–12 is provided at paragraph (62) of this entry.

(62) Map 11 of Units SRM-NM-1, SRM-NM-4, SRM-NM-5a, SRM-NM-5b, SRM-NM-11; SRM-NM-12 follows:



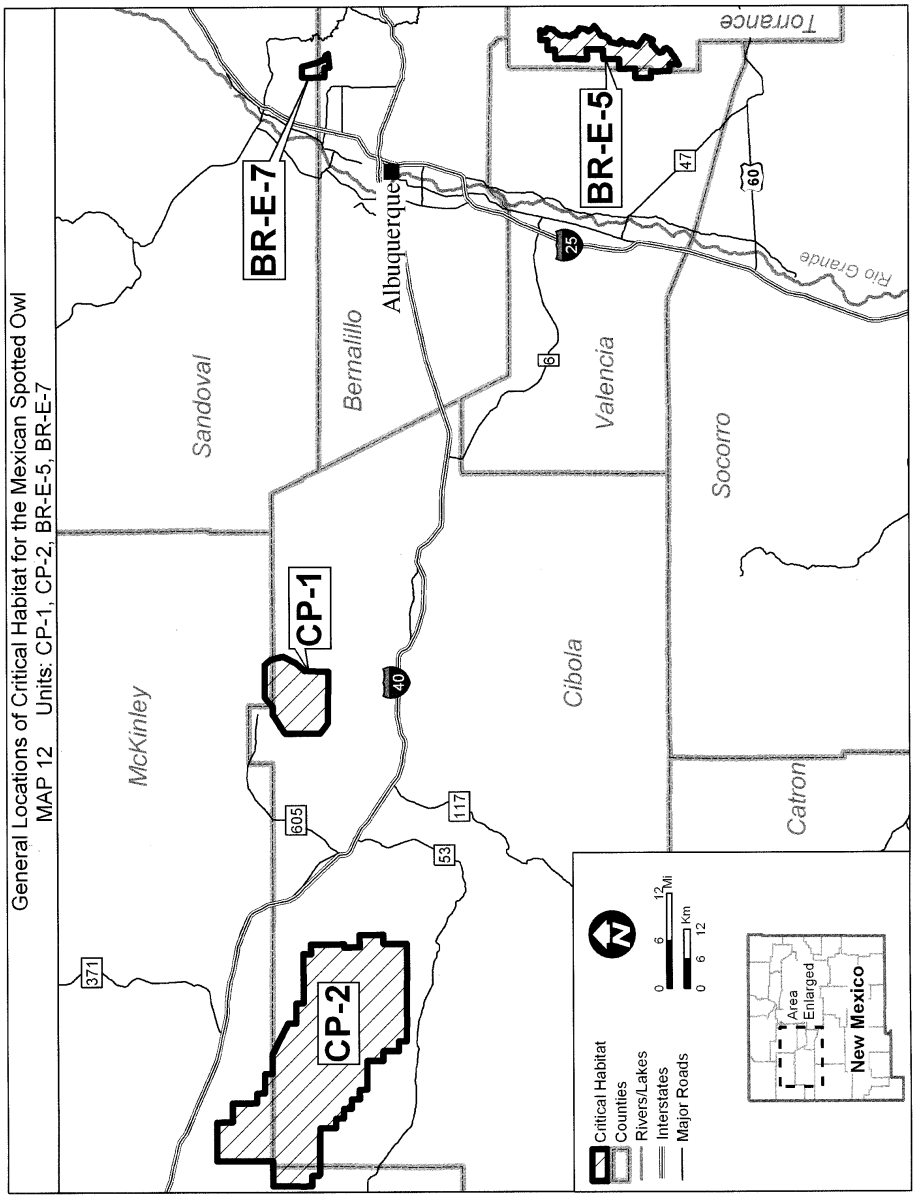
(63) Unit BR–E–5: Torrance and Valencia Counties, New Mexico. The map of Unit BR–E–5 is provided at paragraph (67) of this entry.

(64) Unit BR–E–7: Bernalillo and Sandoval Counties, New Mexico. The map of Unit BR–E–7 is provided at paragraph (67) of this entry.

(65) Unit CP–1: Cibola and McKinley Counties, New Mexico. The map of Unit CP–1 is provided at paragraph (67) of this entry.

(66) Unit CP–2: Cibola and McKinley Counties, New Mexico. The map of Unit CP–2 is provided at paragraph (67) of this entry.

(67) Map 12 of Units CP-1, CP-2, BR-E-5, BR-E-7 follows:



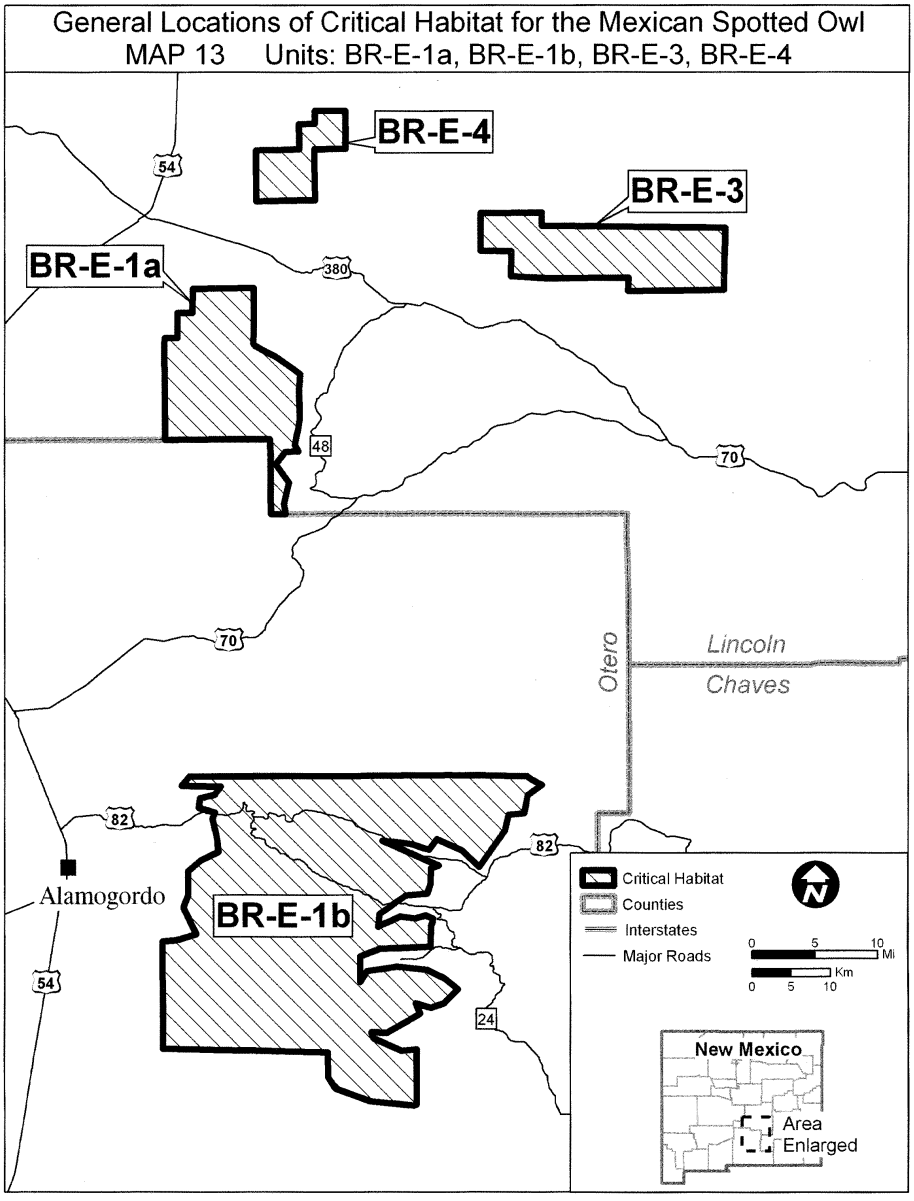
(68) Unit BR–E–1a: Lincoln County, New Mexico. The map of Unit BR–E–1a is provided at paragraph (72) of this entry.

(69) Unit BR–E–1b: Otero County, New Mexico. The map of Unit BR–E–1b is provided at paragraph (72) of this entry.

(70) Unit BR–E–3: Lincoln County, New Mexico. The map of Unit BR–E–3 is provided at paragraph (72) of this entry.

(71) Unit BR–E–4: Lincoln County, New Mexico. The map of Unit BR–E–4 is provided at paragraph (72) of this entry.

(72) Map 13 of Units BR-E-1a, BR-E-1b, BR-E-3, BR-E-4 follows:



NORTHERN SPOTTED OWL (*Strix occidentalis caurina*)

(1) Critical habitat units are depicted for the States of Washington, Oregon, and California on the maps below.

(2) Critical habitat for the northern spotted owl includes the following four primary constituent elements set forth in paragraph (2)(i) (primary constituent element 1)

through paragraph (2)(iv) (primary constituent element 4) of this entry. Each critical habitat unit must include primary constituent element 1 and primary constituent element 2, 3, or 4:

(i) Primary constituent element 1: Forest types that may be in early-, mid-, or late-seral stages and that support the northern spotted owl across its geographical range. These forest types are primarily:

(A) Sitka spruce;

(B) Western hemlock;

(C) Mixed conifer and mixed evergreen;

(D) Grand fir;

(E) Pacific silver fir;

(F) Douglas-fir;

(G) White fir;

(H) Shasta red fir;

(I) Redwood/Douglas-fir (in coastal California and southwestern Oregon); and

(J) The moist end of the ponderosa pine coniferous forest zones at elevations up to approximately 3,000 ft (900 m) near the northern edge of the range and up to approximately 6,000 ft (1,800 m) at the southern edge.

(ii) Primary constituent element 2: Habitat that provides for nesting and roosting. In many cases the same habitat also provides for foraging (primary constituent element (3)). Nesting and roosting habitat provides structural features for nesting, protection from adverse weather conditions, and cover to reduce predation risks for adults and young. This primary constituent element is found throughout the geographical range of the northern spotted owl, because stand structures at nest sites tend to vary little across the northern spotted owl's range. These habitats must provide:

(A) Sufficient foraging habitat to meet the home range needs of territorial pairs of northern spotted owls throughout the year; and

(B) Stands for nesting and roosting that are generally characterized by:

(*1*) Moderate to high canopy cover (60 to over 80 percent).

(*2*) Multilayered, multispecies canopies with large (20–30 inches (in) (51–76 centimeters (cm)) or greater diameter at breast height (dbh)) overstory trees.

(*3*) High basal area (greater than 240 ft^2/acre; 55 m^2/ha).

(*4*) High diversity of different diameters of trees.

(*5*) High incidence of large live trees with various deformities (e.g., large cavities, broken tops, mistletoe infections, and other evidence of decadence).

(*6*) Large snags and large accumulations of fallen trees and other woody debris on the ground.

(*7*) Sufficient open space below the canopy for northern spotted owls to fly.

(iii) Primary constituent element 3: Habitat that provides for foraging, which varies widely across the northern spotted owl's range, in accordance with ecological conditions and disturbance regimes that influence vegetation structure and prey species distributions. Across most of the owl's range, nesting and roosting habitat is also foraging habitat, but in some regions northern spotted owls may additionally use other habitat types for foraging as well. The foraging habitat PCEs for the four ecological zones within the geographical range of the northern spotted owl are generally the following:

(A) *West Cascades/Coast Ranges of Oregon and Washington.*

(*1*) Stands of nesting and roosting habitat; additionally, owls may use younger forests with some structural characteristics (legacy features) of old forests, hardwood forest patches, and edges between old forest and hardwoods.

(*2*) Moderate to high canopy cover (60 to over 80 percent).

(*3*) A diversity of tree diameters and heights.

(*4*) Increasing density of trees greater than or equal to 31 in (80 cm) dbh increases foraging habitat quality (especially above 12 trees per ac (30 trees per ha)).

(*5*) Increasing density of trees 20 to 31 in (51 to 80 cm) dbh increases foraging habitat quality (especially above 24 trees per ac (60 trees per ha)).

(*6*) Increasing snag basal area, snag volume (the product of snag diameter, height, estimated top diameter, and including a taper function), and density of snags greater than 20 in (50 cm) dbh all contribute to increasing foraging habitat quality, especially above 10 snags/ha.

(*7*) Large accumulations of fallen trees and other woody debris on the ground.

(*8*) Sufficient open space below the canopy for northern spotted owls to fly.

(B) *East Cascades.*

(*1*) Stands of nesting and roosting habitat.

(*2*) Stands composed of Douglas-fir and white fir/Douglas-fir mix.

(*3*) Mean tree size (quadratic mean diameter greater than 16.5 in (42 cm)).

(*4*) Increasing density of large trees (greater than 26 in (66 cm)) and increasing basal area (the cross-sectional area of tree boles measured at breast height), which increases foraging habitat quality.

(*5*) Large accumulations of fallen trees and other woody debris on the ground.

(*6*) Sufficient open space below the canopy for northern spotted owls to fly.

(C) *Klamath and Northern California Interior Coast Ranges.*

(*1*) Stands of nesting and roosting habitat; in addition, other forest types with mature and old-forest characteristics.

(*2*) Presence of conifer species such as incense-cedar, sugar pine, and Douglas-fir and hardwood species such as bigleaf maple, black oak, live oaks, and madrone, as well as shrubs.

(*3*) Forest patches within riparian zones of low-order streams and edges between conifer and hardwood forest stands.

(*4*) Brushy openings and dense young stands or low-density forest patches within a mosaic of mature and older forest habitat.

(*5*) High canopy cover (87 percent at frequently used sites).

(*6*) Multiple canopy layers.

(*7*) Mean stand diameter greater than 21 in (52.5 cm).

(*8*) Increasing mean stand diameter and densities of trees greater than 26 in (66 cm) increases foraging habitat quality.

(*9*) Large accumulations of fallen trees and other woody debris on the ground.

(*10*) Sufficient open space below the canopy for northern spotted owls to fly.

(D) *Redwood Coast.*

(*1*) Nesting and roosting habitat; in addition, stands composed of hardwood tree species, particularly tanoak.

(*2*) Early-seral habitats 6 to 20 years old with dense shrub and hardwood cover and abundant woody debris; these habitats produce prey, and must occur in conjunction with nesting, roosting, or foraging habitat.

(*3*) Increasing density of small-to-medium sized trees (10 to 22 in; 25 to 56 cm), which increases foraging habitat quality.

(*4*) Trees greater than 26 in (66 cm) in diameter or greater than 41 years of age.

(*5*) Sufficient open space below the canopy for northern spotted owls to fly.

(iv) Primary constituent element 4: Habitat to support the transience and colonization phases of dispersal, which in all cases would optimally be composed of nesting, roosting, or foraging habitat (PCEs 2 or 3), but which may also be composed of other forest types that occur between larger blocks of nesting, roosting, and foraging habitat. In cases where nesting, roosting, or foraging habitats are insufficient to provide for dispersing or nonbreeding owls, the specific dispersal habitat PCEs for the northern spotted owl may be provided by the following:

(A) Habitat supporting the transience phase of dispersal, which includes:

(*1*) Stands with adequate tree size and canopy cover to provide protection from avian predators and minimal foraging opportunities; in general this may include, but is not limited to, trees with at least 11 in (28 cm) dbh and a minimum 40 percent canopy cover; and

(*2*) Younger and less diverse forest stands than foraging habitat, such as even-aged, pole-sized stands, if such stands contain some roosting structures and foraging habitat to allow for temporary resting and feeding during the transience phase.

(B) Habitat supporting the colonization phase of dispersal, which is generally equivalent to nesting, roosting and foraging habitat as described in PCEs 2 and 3, but may be smaller in area than that needed to support nesting pairs.

(3) Critical habitat does not include:

(i) manmade structures (such as buildings, aqueducts, runways, roads, other paved areas, or surface mine sites) and the land on which they are located; and

(ii) meadows, grasslands, oak woodlands, or aspen woodlands as described below existing on January 3, 2013 and not containing primary constituent elements 1 and 2, 3, or 4 as described in paragraph (2) of this entry.

(A) Meadows and grasslands include: dry, upland prairies and savannas in valleys and foothills of western Washington, Oregon, and northwest California; subalpine meadows; and grass and forb dominated cliffs, bluffs and grass balds found throughout these same areas. These areas are dominated by native grasses and diverse forbs, and may include a minor savanna component of Oregon white oak, Douglas-fir, or Ponderosa pine.

(B) Oak woodlands are characterized by an open canopy dominated by Oregon white oak. These areas may also include ponderosa pine, California black oak, Douglas-fir, or canyon live oak. The understory is relatively open with shrubs, grasses and wildflowers. Oak woodlands are typically found in drier landscapes and on south-facing slopes. This exception for oak woodlands does not include tanoak (*Notholithocarpus densiflorus*) stands, closed-canopy live oak (*Quercus agrifolia*) woodlands and open-canopied valley oak (*Quercus lobata*) and mixed-oak woodlands in subunits ICC–6 and RDC–5 in Napa, Sonoma, and Marin Counties, California.

(C) Aspen (*Populus* spp.) woodlands are dominated by aspen trees with a forb, grass or shrub understory and are typically found on mountain slopes, rock outcrops and talus slopes, canyon walls, and some seeps and stream corridors. This forest type also can occur in riparian areas or in moist microsites within drier landscapes.

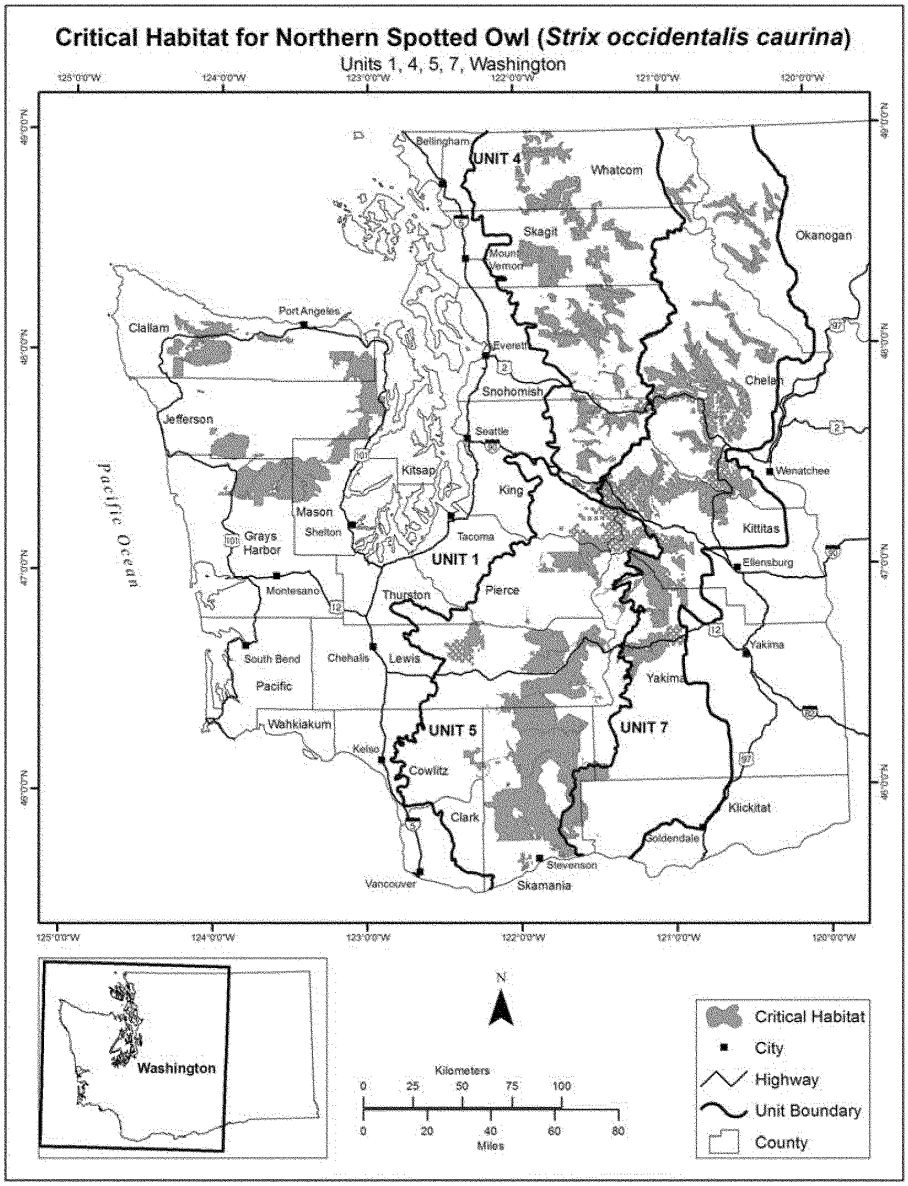
(4) We have determined that the physical and biological features in habitat occupied by the species at the time it was listed, as represented by the primary constituent elements, may require special management considerations or protection as required by 16 U.S.C. 1532(5)(A). However, nothing in this rule requires land managers to implement, or precludes land managers from implementing, special management or protection measures.

(5) *Critical habitat map units.* The designated critical habitat units for the northern spotted owl are depicted on the maps below. The coordinates or plot points or both on which each map is based are available at the field office Internet site (*http://www.fws.gov/oregonfwo*), *http://www.regulations.gov* at Docket No. FWS–R1–ES–2011–0112, and at the Service's Oregon Fish and Wildlife Office. You may obtain

field office location information by contacting one of the Service regional offices, the addresses of which are listed at 50 CFR 2.2.

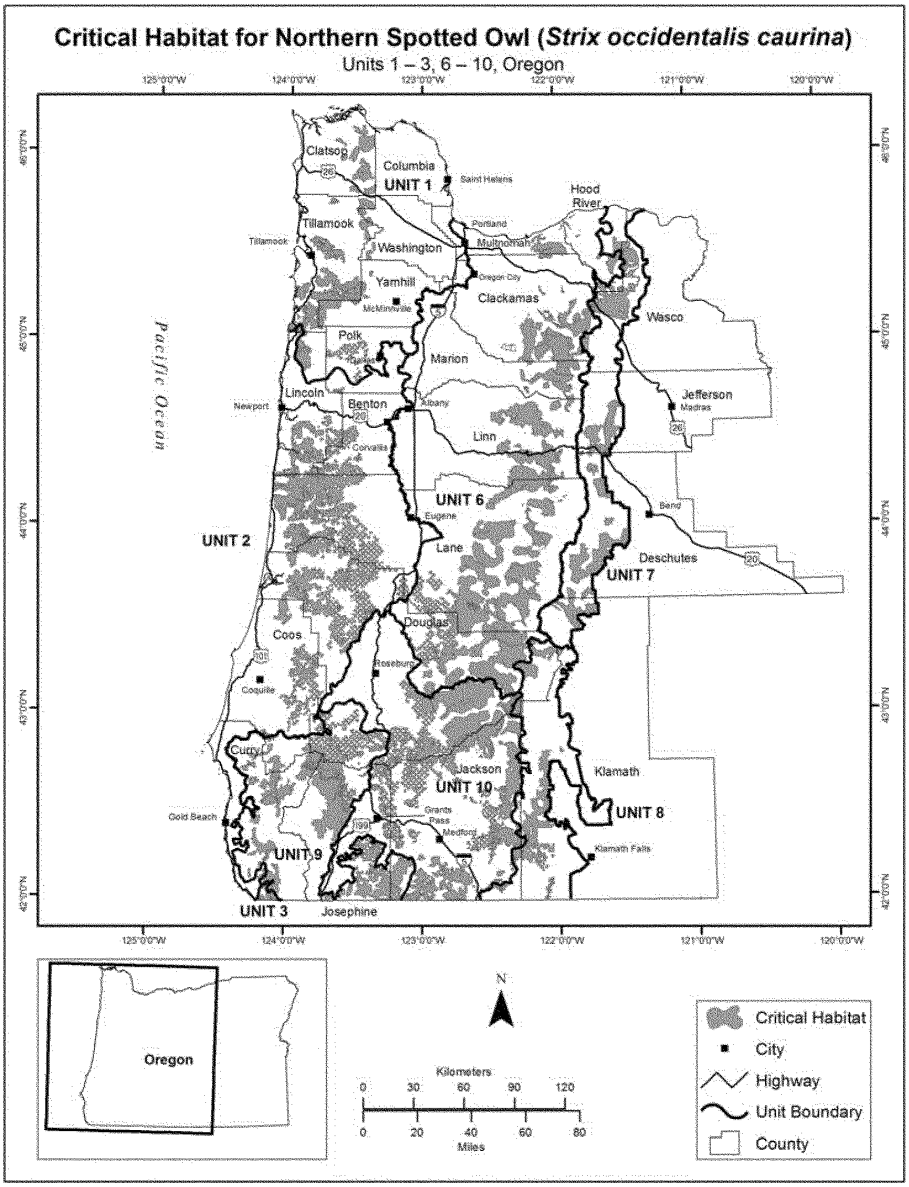
(6) NOTE: Index map of critical habitat units for the northern spotted owl in the State of Washington follows:

Index Map of Critical Habitat Units in the State of Washington



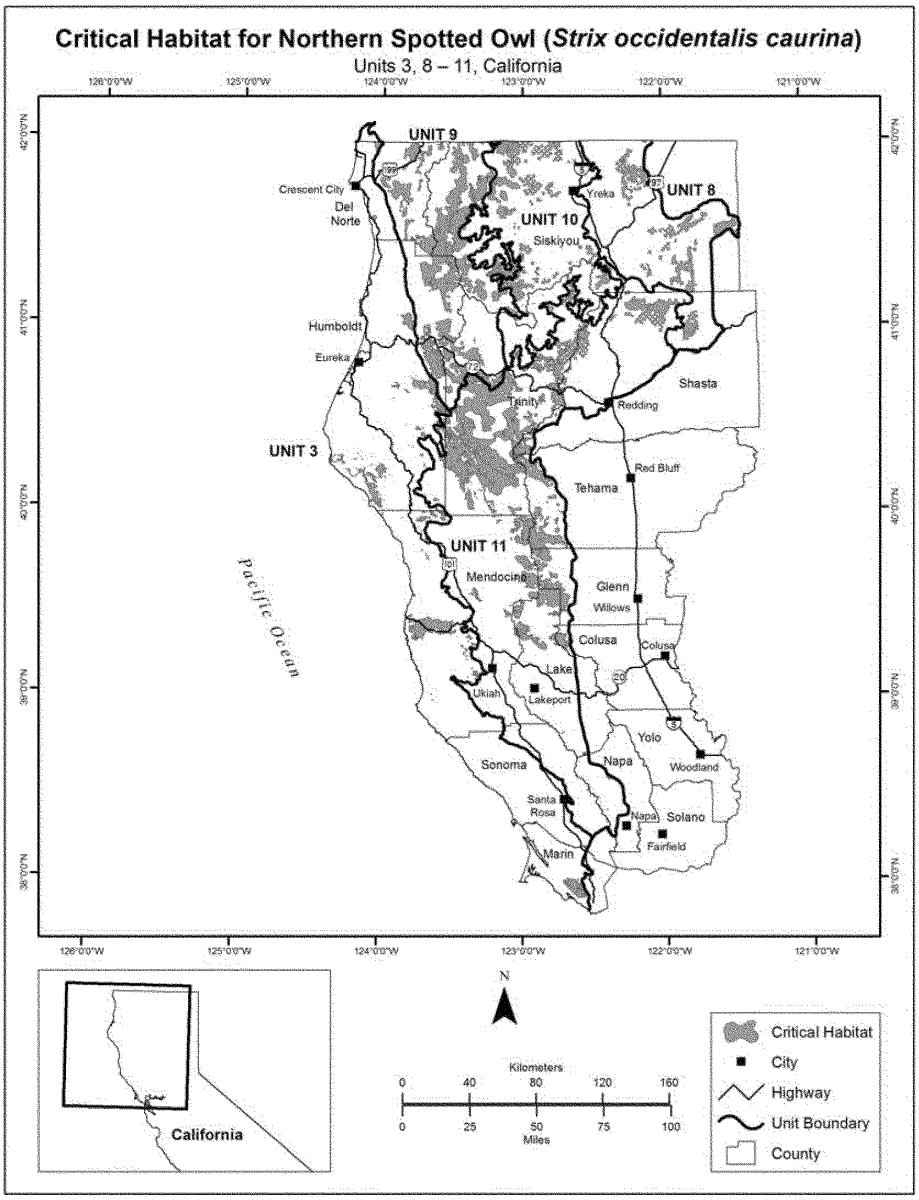
(7) NOTE: Index map of critical habitat units for the northern spotted owl in the State of Oregon follows:

Index Map of Critical Habitat Units in the State of Oregon

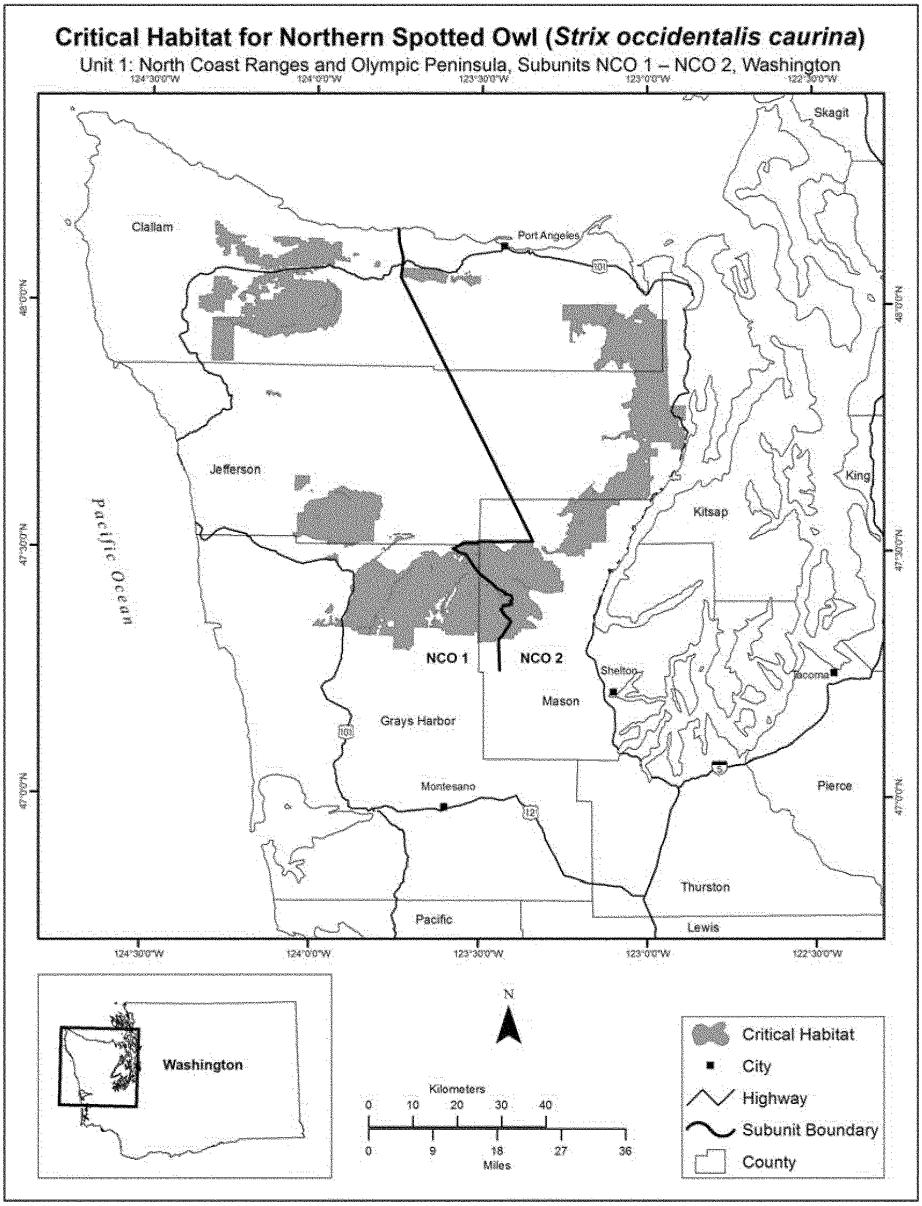


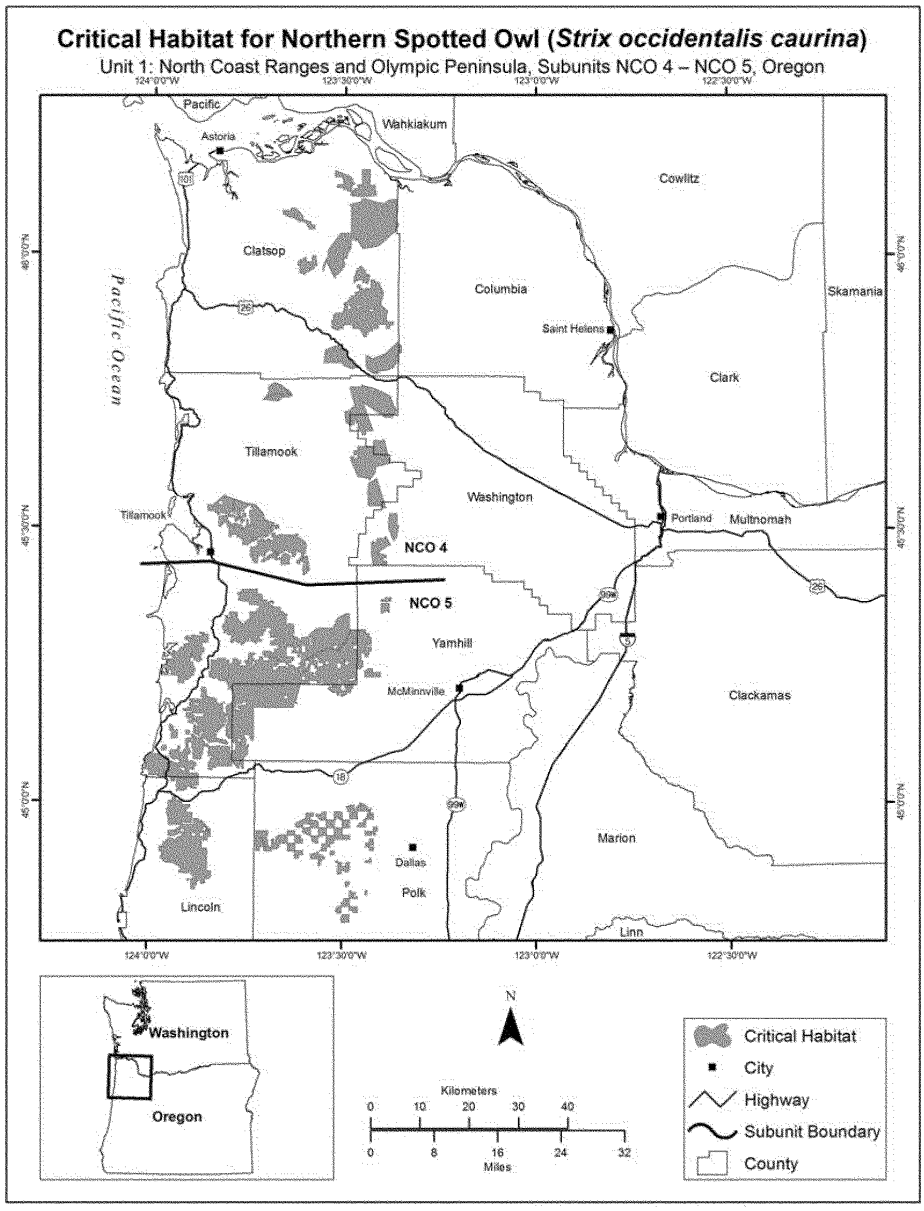
(8) NOTE: Index map of critical habitat units for the northern spotted owl in the State of California follows:

Index Map of Critical Habitat Units in the State of California

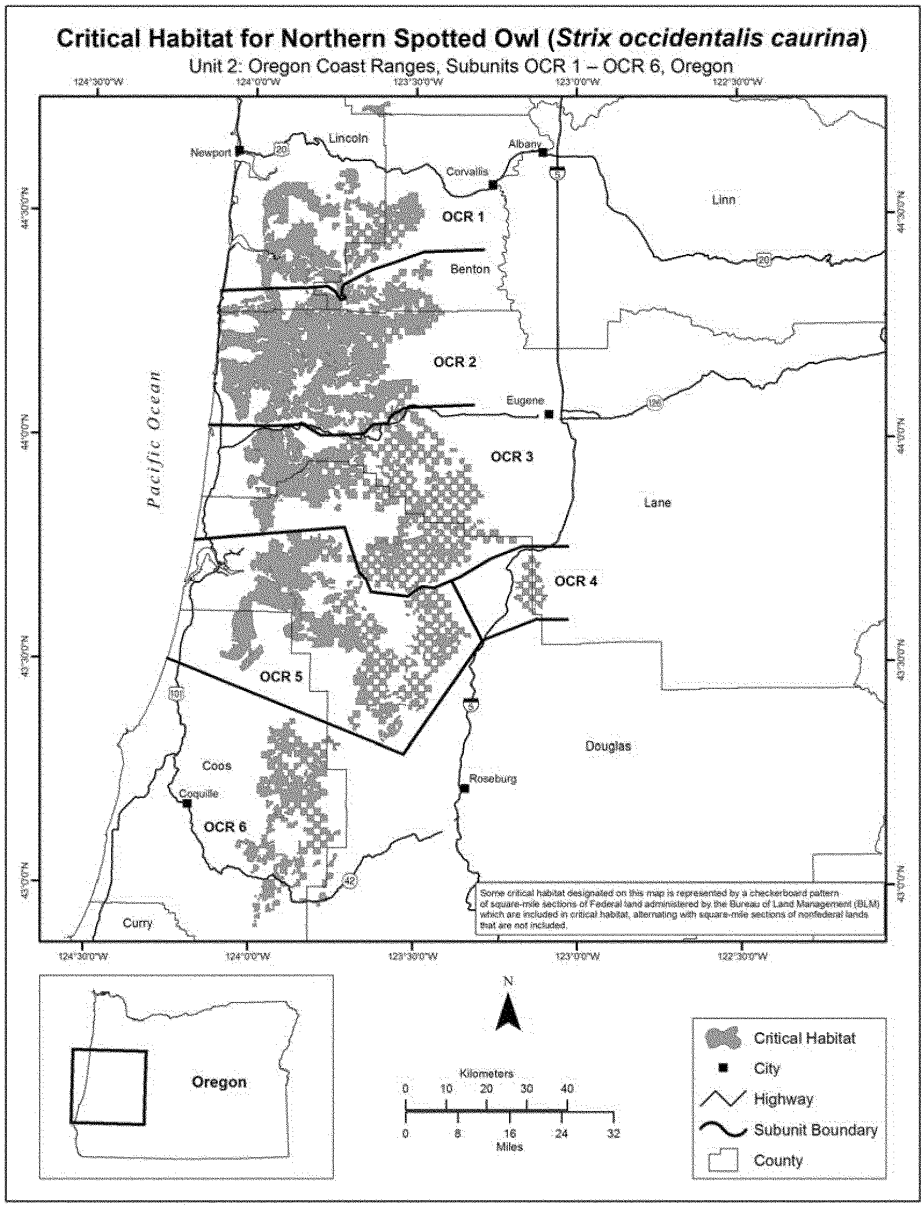


(9) Unit 1: North Coast Ranges and Olympic Peninsula, Oregon and Washington. Maps of Unit 1: North Coast Ranges and Olympic Peninsula, Oregon and Washington, follow:

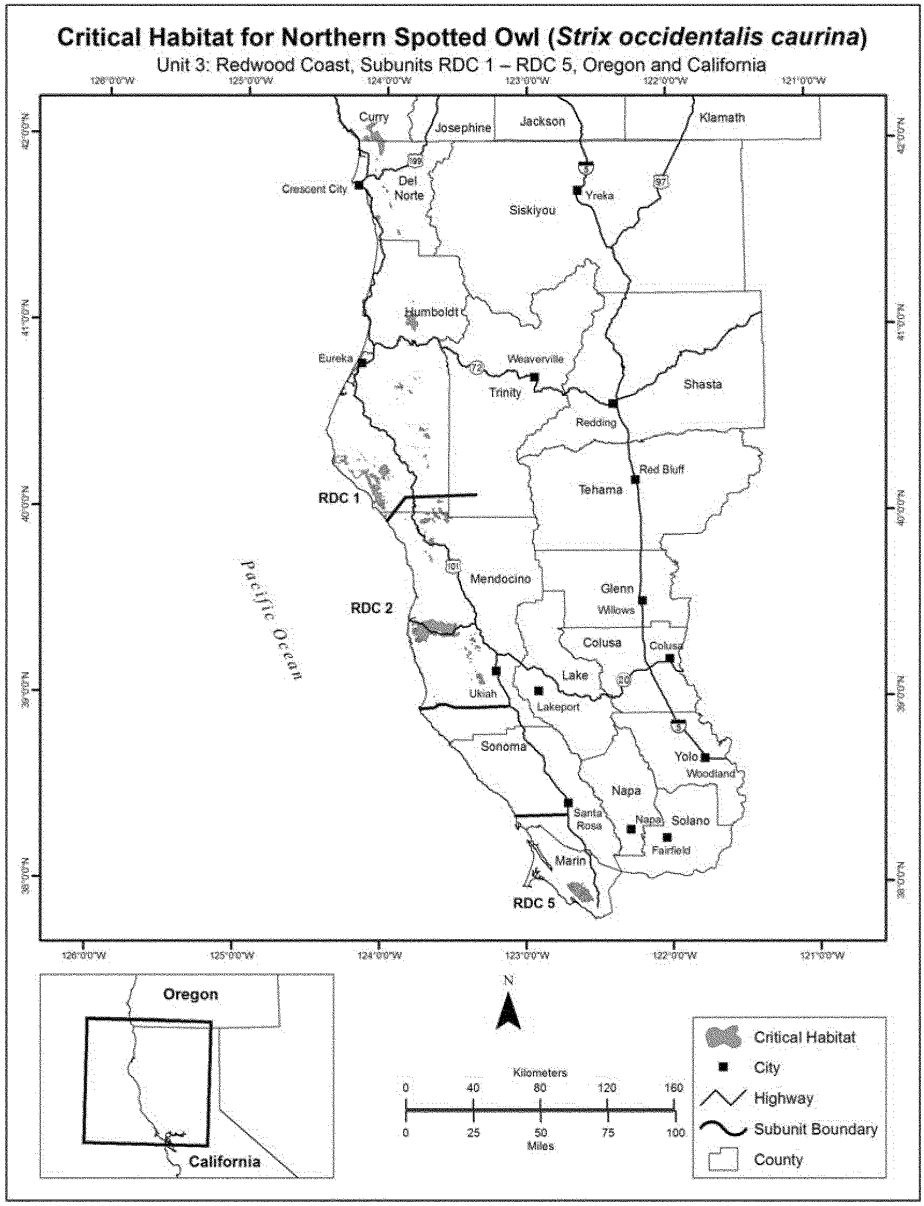




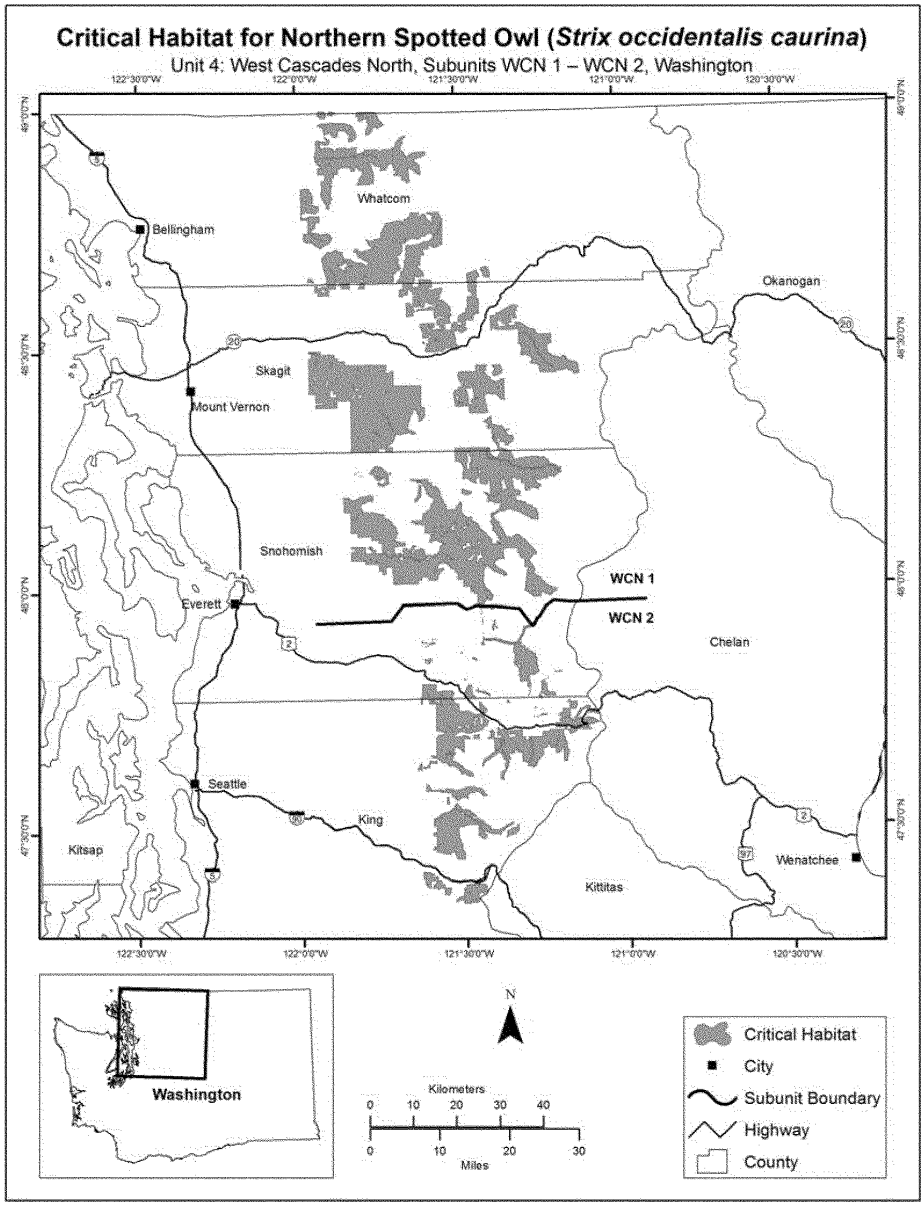
(10) Unit 2: Oregon Coast Ranges, Oregon. Map of Unit 2, Oregon Coast Ranges, Oregon, follows:



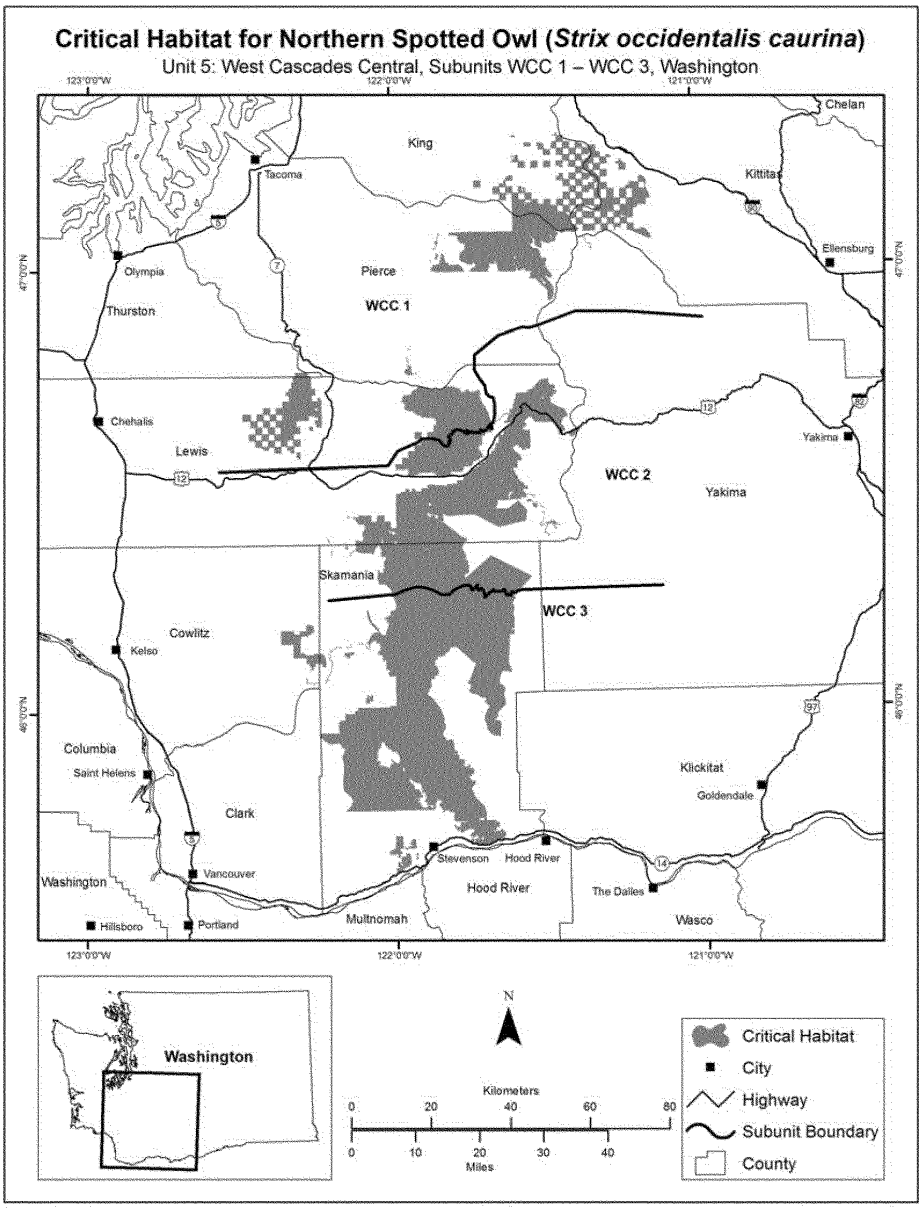
(11) Unit 3: Redwood Coast, Oregon and California. Map of Unit 3, Redwood Coast, Oregon and California, follows:



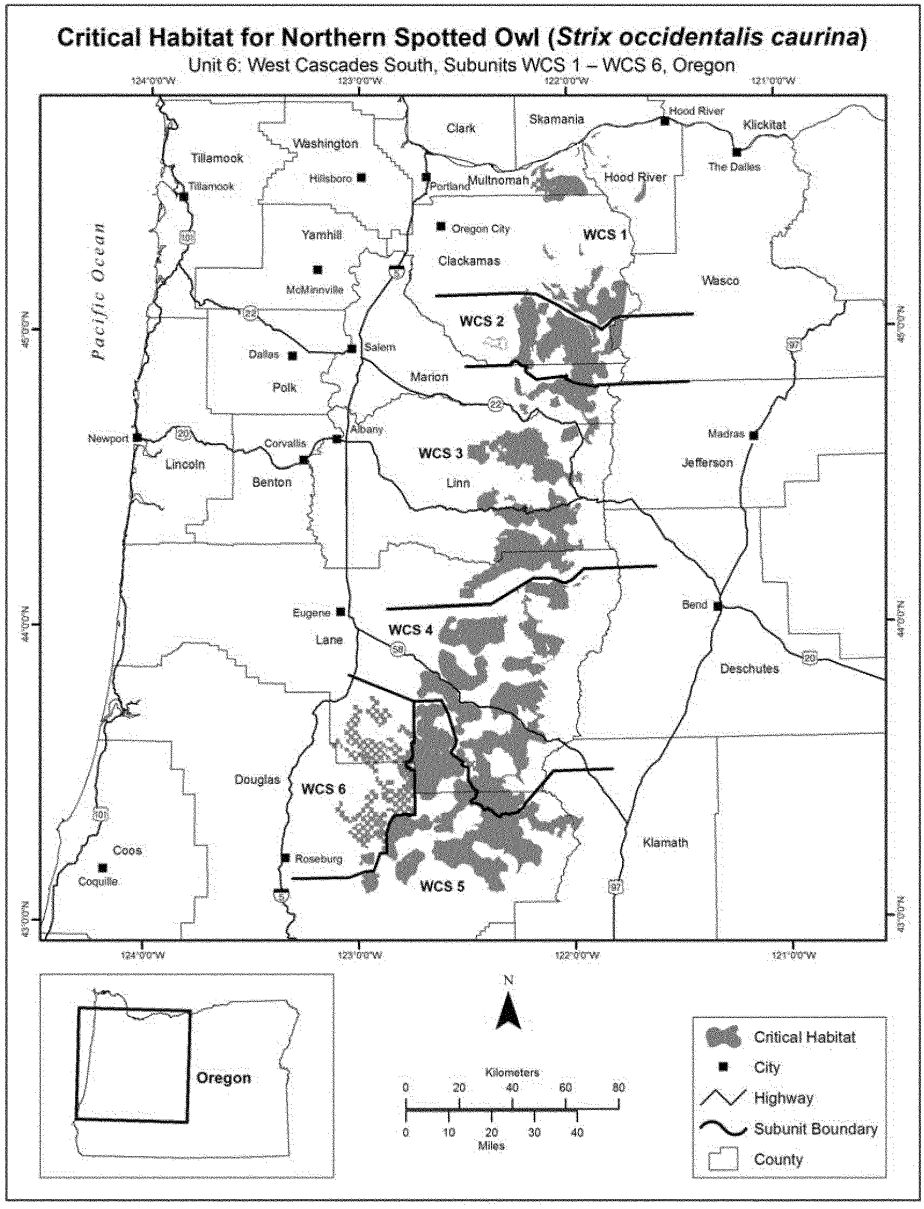
(12) Unit 4: West Cascades North, Washington. Map of Unit 4, West Cascades North, Washington, follows:



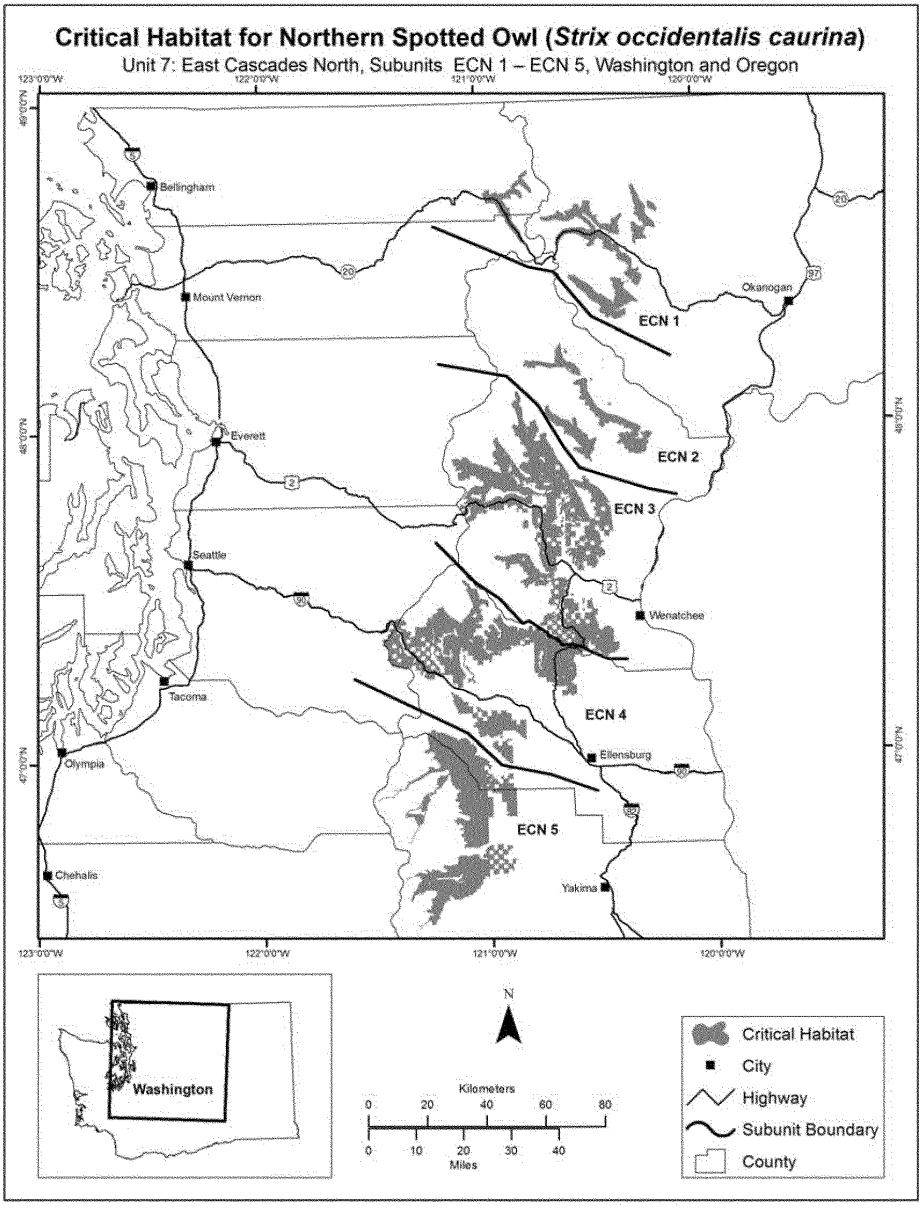
(13) Unit 5: West Cascades Central, Washington. Map of Unit 5, West Cascades Central, Washington, follows:

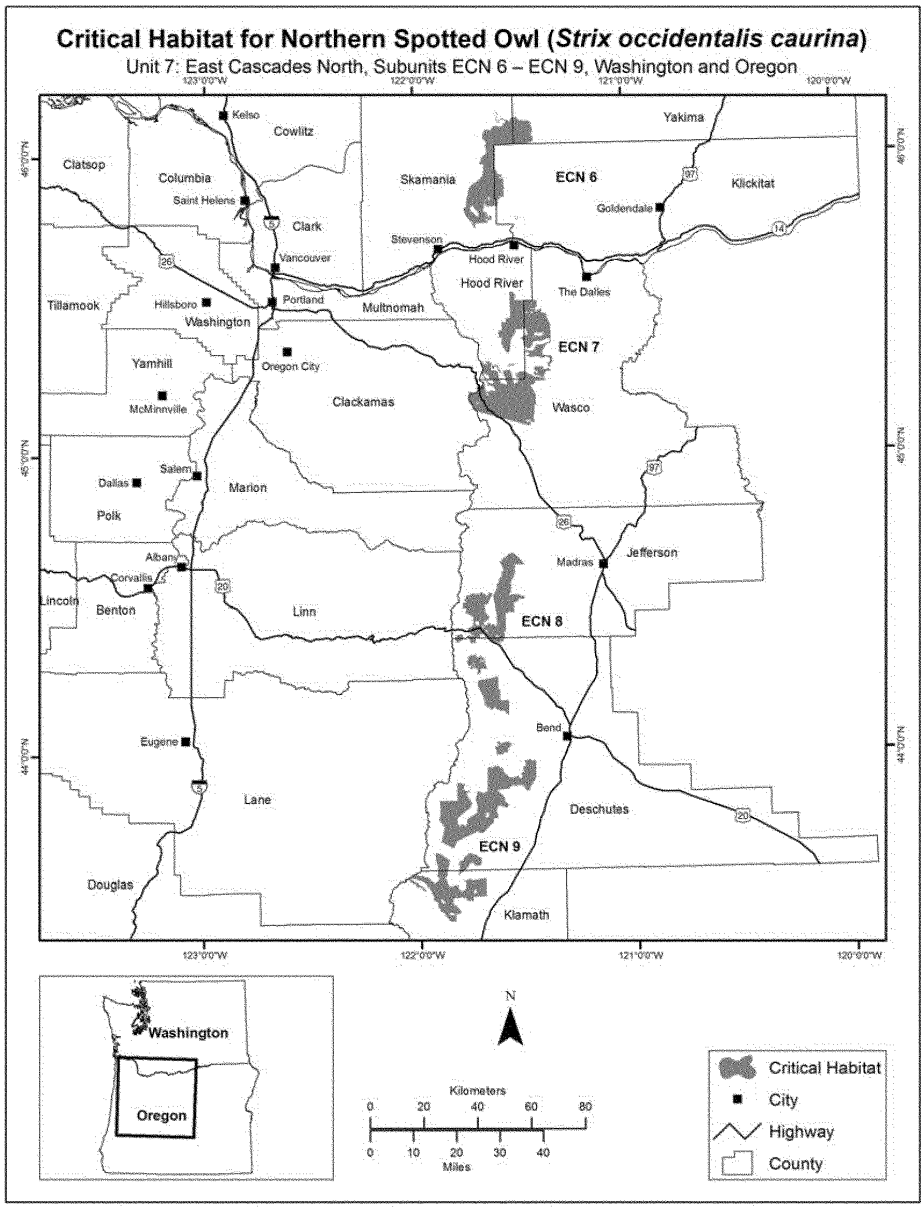


(14) Unit 6: West Cascades South, Washington. Map of Unit 6, West Cascades South, Washington, follows:

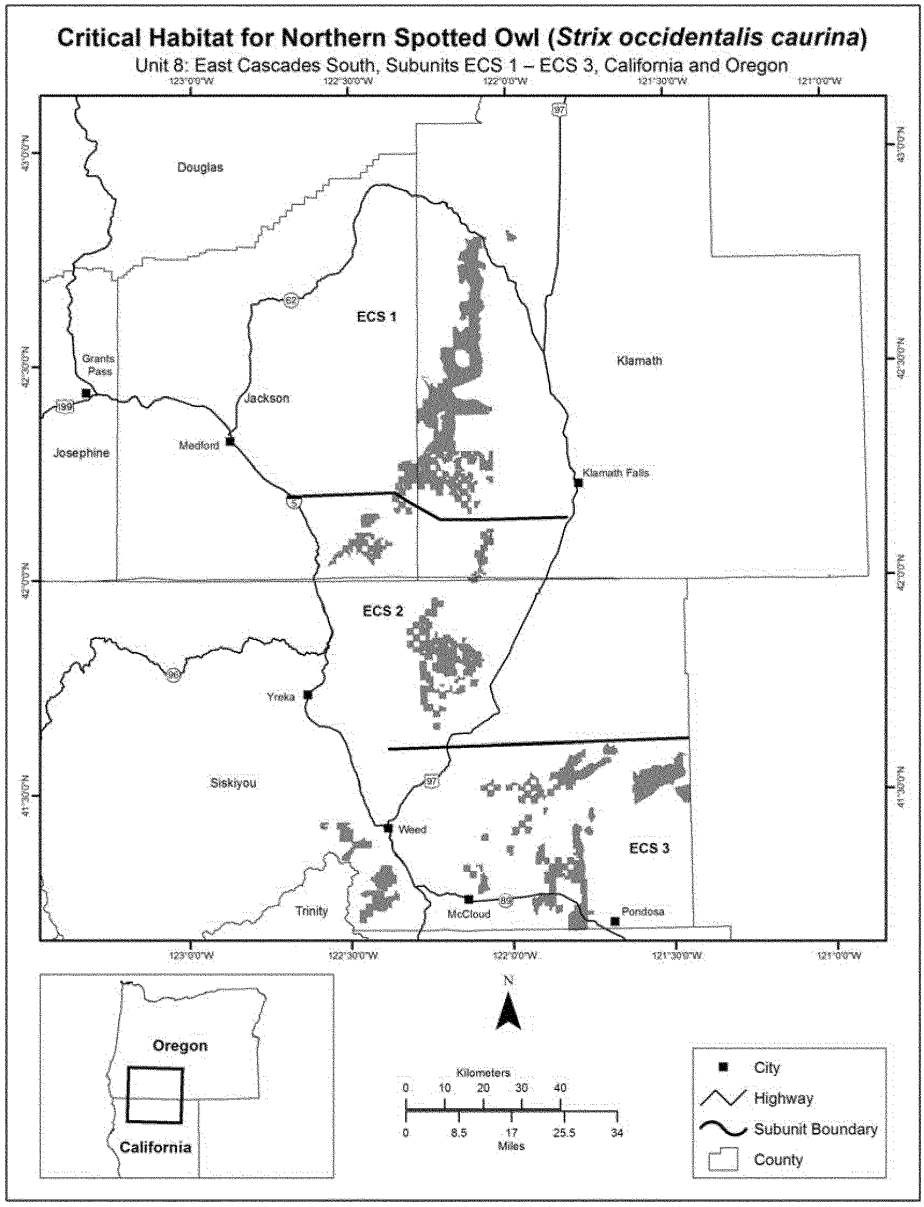


(15) Unit 7: East Cascades North, Washington and Oregon. Maps of Unit 7, East Cascades North, Washington and Oregon, follow:

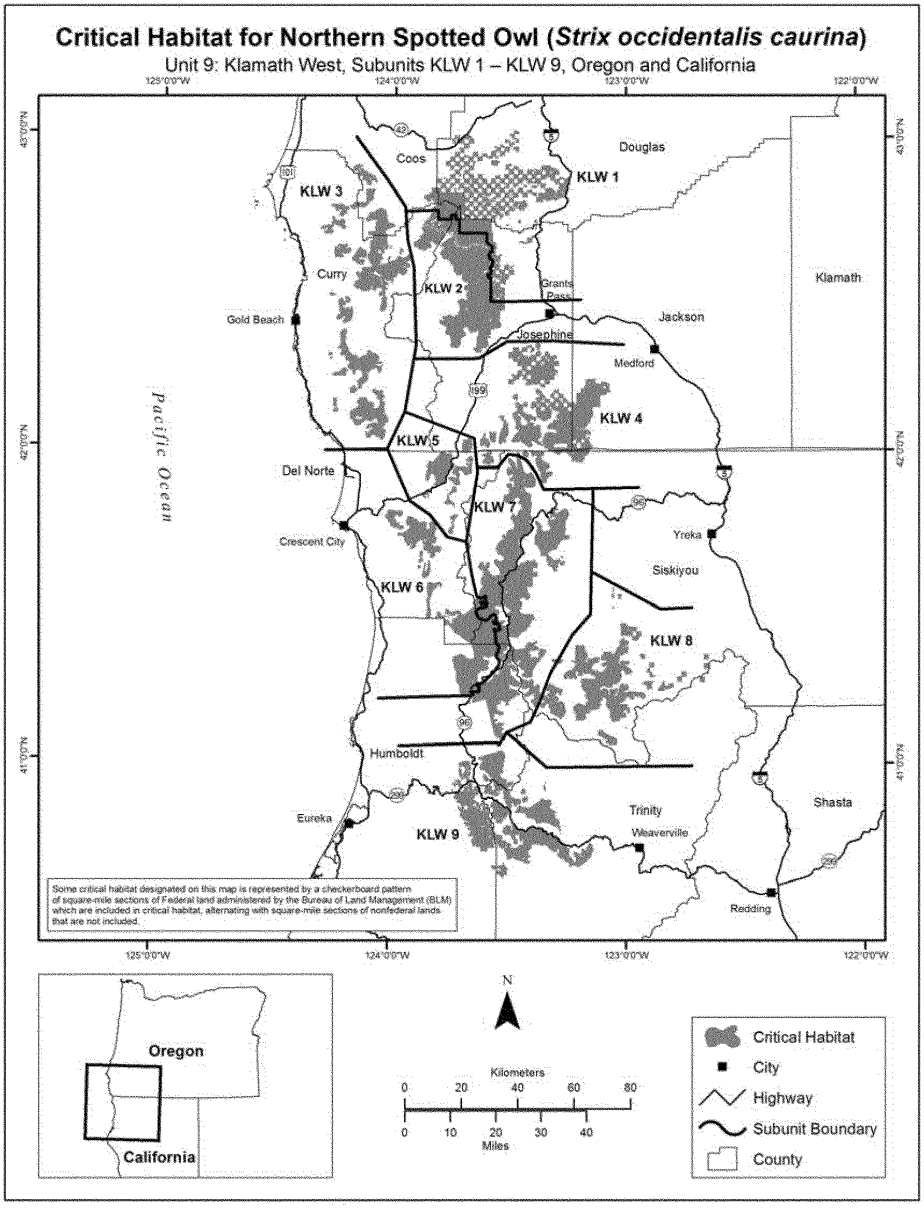

Critical Habitat for Northern Spotted Owl (*Strix occidentalis caurina*)
Unit 7: East Cascades North, Subunits ECN 1 – ECN 5, Washington and Oregon
123°0'0"W
122°0'0"W
121°0'0"W
120°0'0"W
49°0'0"N
48°0'0"N
47°0'0"N
Bellingham
Mount Vernon
Everett
Seattle
Tacoma
Olympia
Chehalis
Okanogan
Wenatchee
Ellensburg
Yakima
ECN 1
ECN 2
ECN 3
ECN 4
ECN 5
Washington
N
Kilometers
0 20 40 60 80
0 10 20 30 40
Miles
Critical Habitat
City
Highway
Subunit Boundary
County



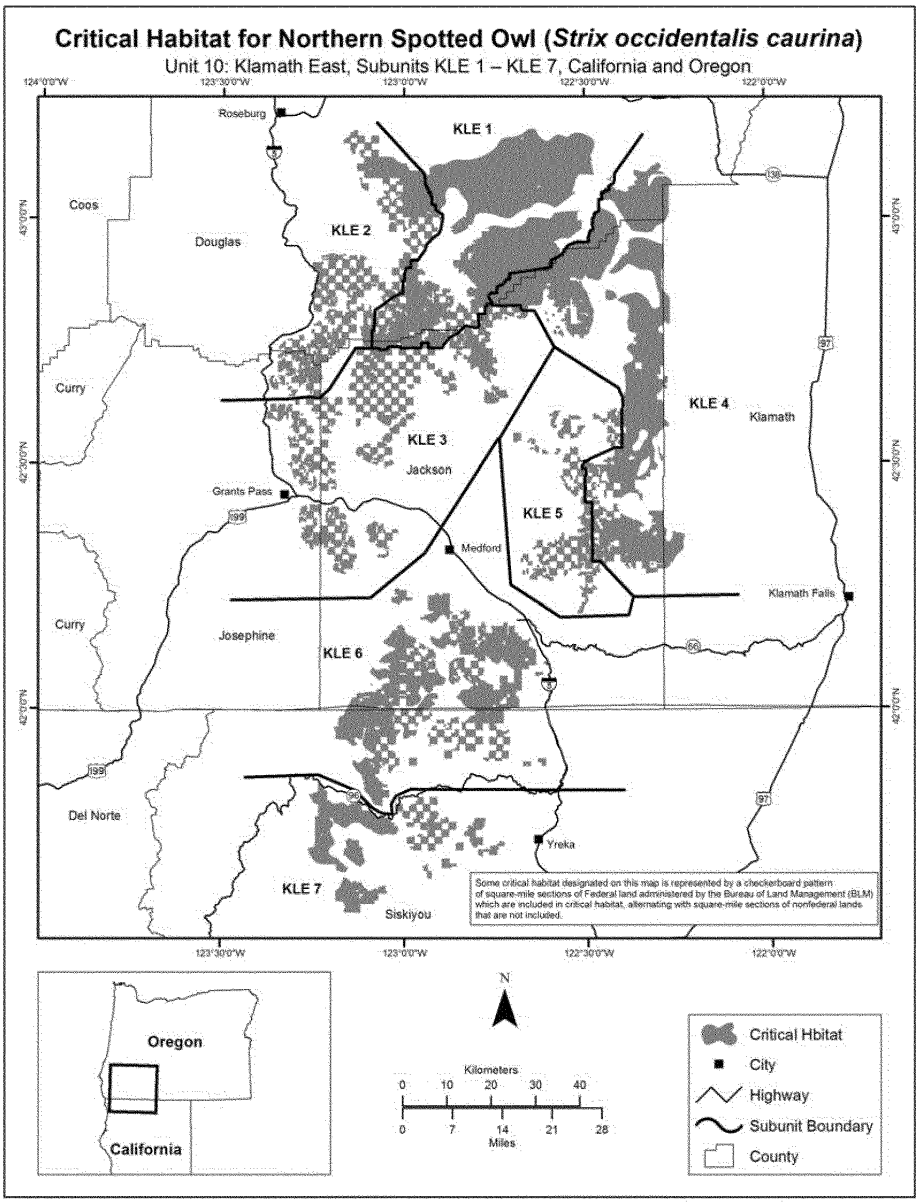
(16) Unit 8: East Cascades South, California and Oregon. Map of Unit 8, East Cascades South, California and Oregon, follows:



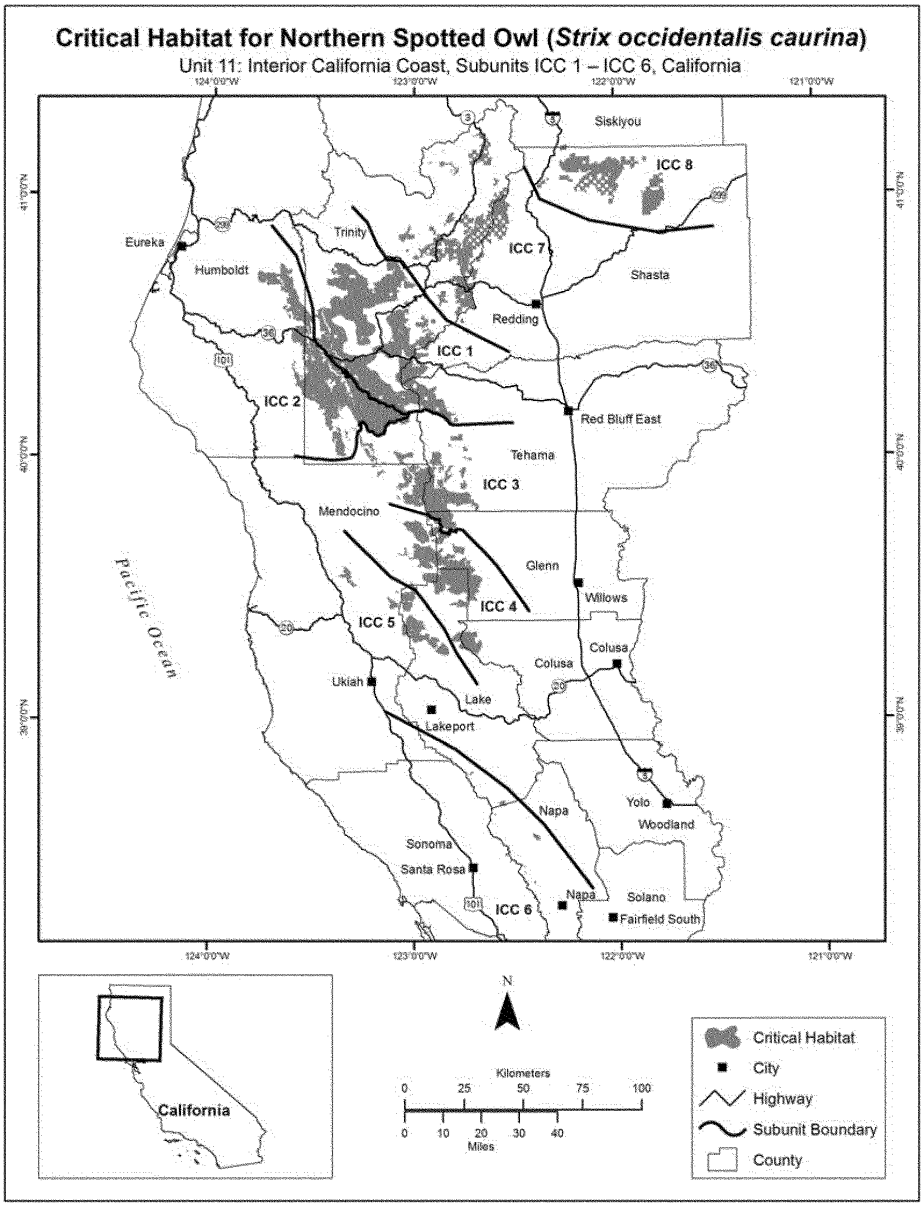
(17) Unit 9: Klamath West, Oregon and California. Map of Unit 9: Klamath West, Oregon and California, follows:



(18) Unit 10: Klamath East, California. Map of Unit 10: Klamath East, California, follows:



(19) Unit 11: Interior California Coast, California. Map of Unit 11: Interior California Coast, California, follows:

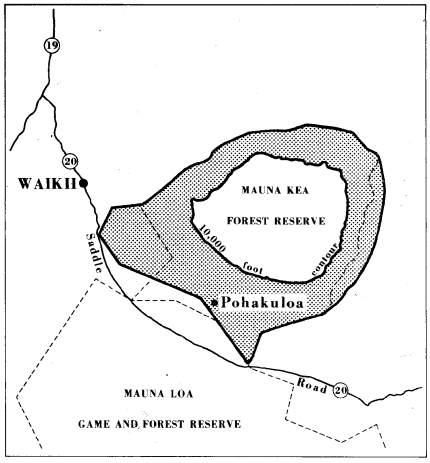


PALILA (*Psittirostra bailleui*)

Hawaii. An area of land, water, and airspace on the island of Hawaii, Hawaii County, with the following components: (1) The State of Hawaii Mauna Kea Forest Reserve, except (a) that portion above the 10,000 foot contour line, (b) that portion south of the Saddle Road (State Highway 20), (c) lands owned by the United States in the Pohakuloa Training Area north of the Saddle Road (State Highway 20) established by

Executive Order 1719 (Parcel 6, State of Hawaii Tax Map Key 4–4–16, Third Division). (d) that portion (Parcel 10, Kaohe IV, State of Hawaii Tax Map Key 4–4–16, Third Division) lying north of the Saddle Road (State Highway 20) and south of the Power Line Road; (2) that portion of the State of Hawaii Kaohe Game Management Area (Parcel 4, State of Hawaii Tax Map Key 4–4–15, Third Division) to the north and east of the Saddle Road (State Highway 20); (3) that portion of the Upper Waikii Paddock (Parcel 2, State of Hawaii Tax Map Key 4–4–15, Third Division) northeast of the Saddle Road (State Highway 20); (4) that portion of the lands of Humuula between Puu Kahinahina and Kole lying southeast of the Mauna Kea Forest Reserve fence (portions of Parcels 2, 3, and 7, State of Hawaii Tax Map Key 3–8–1, Third Division) which are included in the State conservation district.

NOTE: The map provided is for informational purposes only. Map follows:



MAUI PARROTBILL (KIWIKIU) (*Pseudonestor xanthophrys*)

(1) Critical habitat units are depicted for Maui County, Hawaii, on the maps below.

(2) *Primary constituent elements.* (i) In units 1 and 37, the primary constituent elements of critical habitat for the Kiwikiu are:

(A) Elevation: Less than 3,300 ft (1,000 m).

(B) Annual precipitation: 50 to 75 in (130 to 190 cm).

(C) Substrate: Shallow soils, little to no herbaceous layer.

(D) Canopy: *Acacia, Diospyros, Metrosideros, Myrsine, Pouteria, Santalum.*

(E) Subcanopy: *Dodonaea, Freycinetia, Leptecophylla, Melanthera, Osteomeles, Pleomele, Psydrax.*

(F) Understory: *Carex, Dicranopteris, Diplazium, Elaphoglossum, Peperomia.*

(ii) In units 2, 3, 4, 5, 6, 7, 8, 9, 38, and 39, the primary constituent elements of critical habitat for the Kiwikiu are:

(A) Elevation: Less than 3,300 ft (1,000 m).

(B) Annual precipitation: Greater than 75 in (190 cm).

(C) Substrate: Clays; ashbeds; deep, well-drained soils; lowland bogs.

(D) Canopy: *Antidesma, Metrosideros, Myrsine, Pisonia, Psychotria.*

(E) Subcanopy: *Cibotium, Claoxylon, Kadua, Melicope.*

(F) Understory: *Alyxia, Cyrtandra, Dicranopteris, Diplazium, Machaerina, Microlepia.*

(iii) In units 10, 11, 12, 13, 14, 15, 16, 40, and 41, the primary constituent elements of critical habitat for the Kiwikiu are:

(A) Elevation: Between 3,300 and 6,500 ft (1,000 and 2,000 m)

(B) Annual precipitation: Greater than 75 in (190 cm).

(C) Substrate: Well-developed soils, montane bogs.

(D) Canopy: *Acacia, Charpentiera, Cheirodendron, Metrosideros.*

(E) Subcanopy: *Broussaisia, Cibotium, Eurya, Ilex, Myrsine.*

(F) Understory: Ferns, *Carex, Coprosma, Leptecophylla, Oreobolus, Rhynchospora, Vaccinium.*

(iv) In units 18, 19, 20, 21, 22, and 42, the primary constituent elements of critical habitat for the Kiwikiu are:

(A) Elevation: Between 3,300 and 6,500 ft (1,000 and 2,000 m).

(B) Annual precipitation: Between 50 and 75 in (130 and 190 cm).

(C) Substrate: Deep ash deposits, thin silty loams.

(D) Canopy: *Acacia, Ilex, Metrosideros, Myrsine, Nestegis, Nothocestrum, Pisonia, Pittosporum, Psychotria, Sophora, Zanthoxylum.*

(E) Subcanopy: *Alyxia, Charpentiera, Coprosma, Dodonaea, Kadua, Labordia, Leptecophylla, Phyllostegia, Vaccinium.*

(F) Understory: Ferns, *Carex, Peperomia.*

(v) In units 24 and 25, the primary constituent elements of critical habitat for the Kiwikiu are:

(A) Elevation: Between 6,500 and 9,800 ft (2,000 and 3,000 m).

(B) Annual precipitation: Between 15 and 40 in (38 and 100 cm).

(C) Substrate: Dry ash; sandy loam; rocky, undeveloped soils; weathered lava.

(D) Canopy: *Chamaesyce, Chenopodium, Metrosideros, Myoporum, Santalum, Sophora.*

(E) Subcanopy: *Coprosma, Dodonaea, Dubautia, Geranium, Leptecophylla, Vaccinium, Wikstroemia.*

(F) Understory: Ferns, *Bidens, Carex, Deschampsia, Eragrostis, Gahnia, Luzula, Panicum, Pseudognaphalium, Sicyos, Tetramolopium.*

(vi) In units 26, 27, 28, and 29, the primary constituent elements of critical habitat for the Kiwikiu are:

(A) Elevation: Unrestricted.

(B) Annual precipitation: Less than 75 in (190 cm).

(C) Substrate: Greater than 65 degree slope, rocky talus.

(D) Canopy: None.

(E) Subcanopy: *Antidesma, Chamaesyce, Diospyros, Dodonaea*.

(F) Understory: *Bidens, Eragrostis, Melanthera, Schiedea*.

(vii) In units 30, 31, 32, 33, 35, 36, 43, and 44, the primary constituent elements of critical habitat for the Kiwikiu are:

(A) Elevation: Unrestricted.

(B) Annual precipitation: Greater than 75 in (190 cm).

(C) Substrate: Greater than 65 degree slope, shallow soils, weathered lava.

(D) Canopy: None.

(E) Subcanopy: *Broussaisia, Cheirodendron, Leptecophylla, Metrosideros*.

(F) Understory: Bryophytes, ferns, *Coprosma, Dubautia, Kadua, Peperomia*.

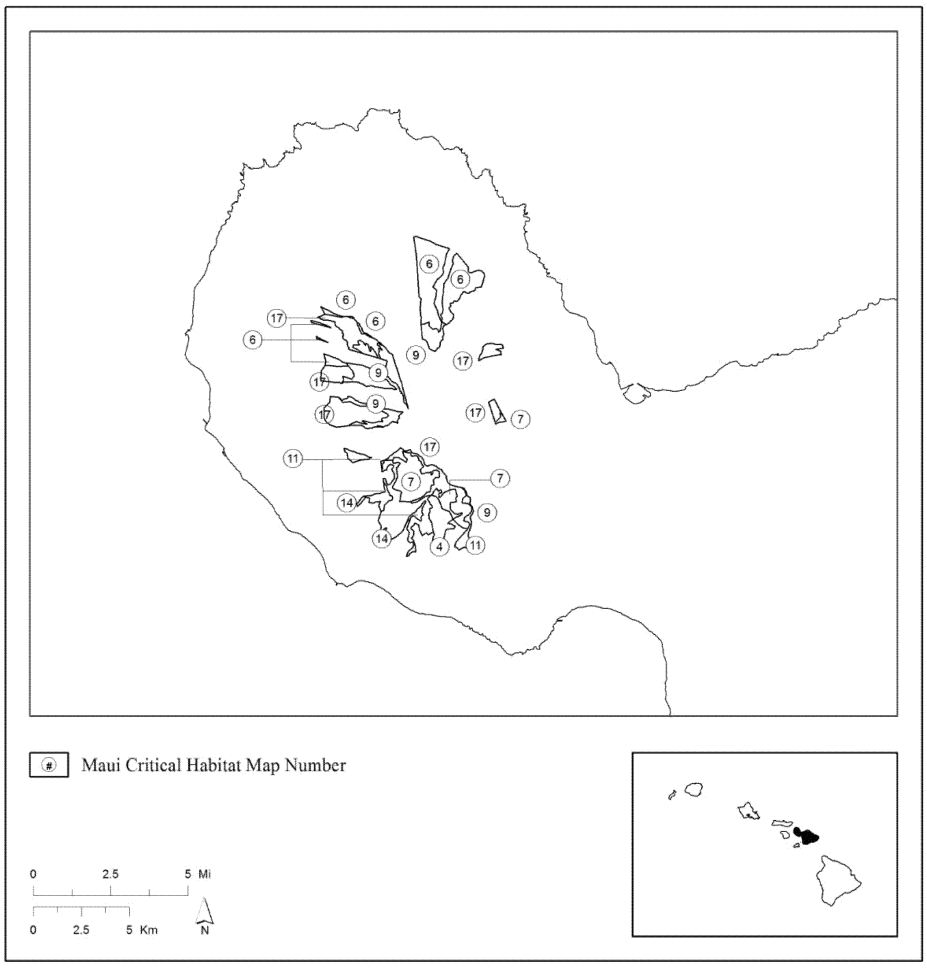
(3) Existing manmade features and structures, such as buildings, roads, railroads, airports, runways, other paved areas, lawns, and other urban landscaped areas, do not contain one or more of the physical or biological features. Federal actions limited to those areas, therefore, would not trigger a consultation under section 7 of the Act unless they may affect the species or physical or biological features in adjacent critical habitat.

(4) *Critical habitat maps*. Maps were created in GIS, with coordinates in UTM Zone 4, units in meters using North American datum of 1983 (NAD 83).

(5) Index maps of critical habitat units for the Kiwikiu follow:

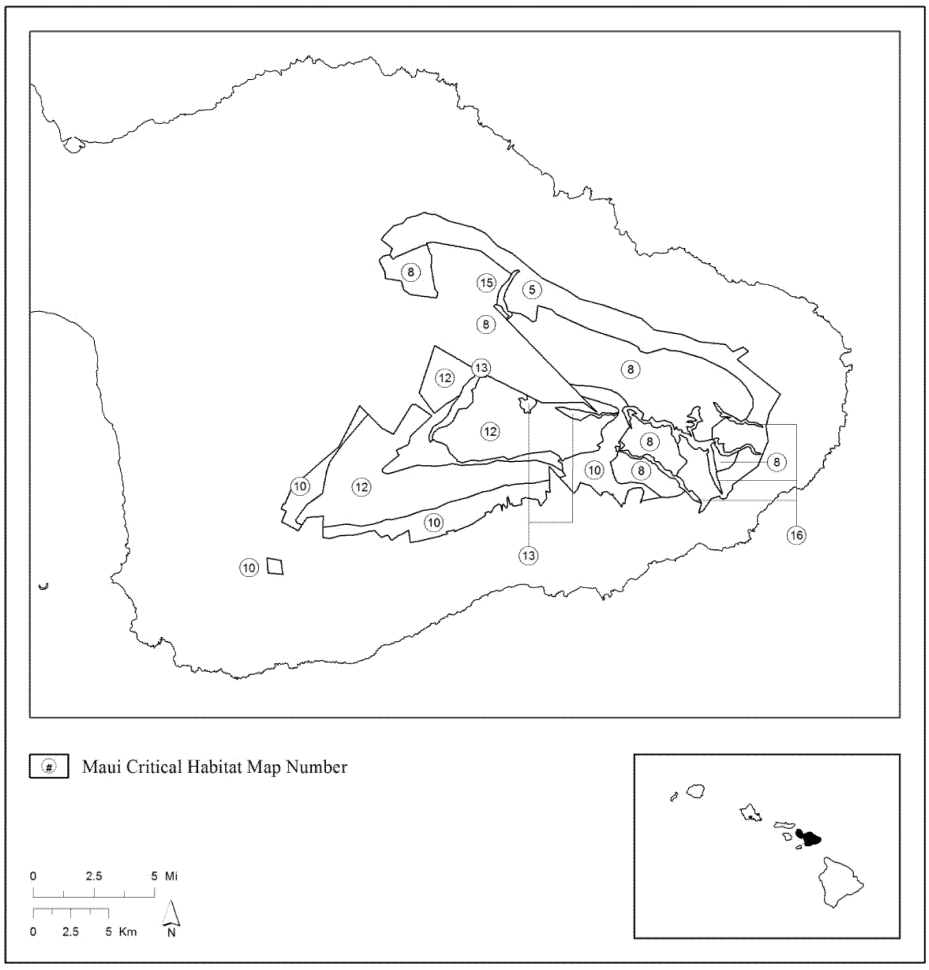
Map 1

***Pseudonestor xanthophrys*—Index Map 1—West Maui**



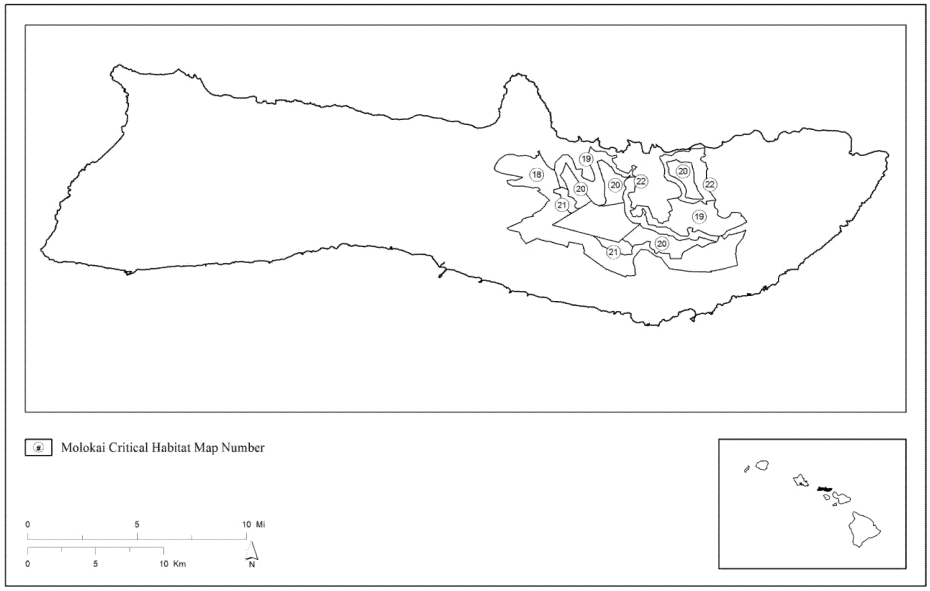
Map 2

Pseudonestor xanthophrys—Index Map 2—East Maui



Map 3

***Pseudonestor xanthophrys*—Index Map 3—Molokai**



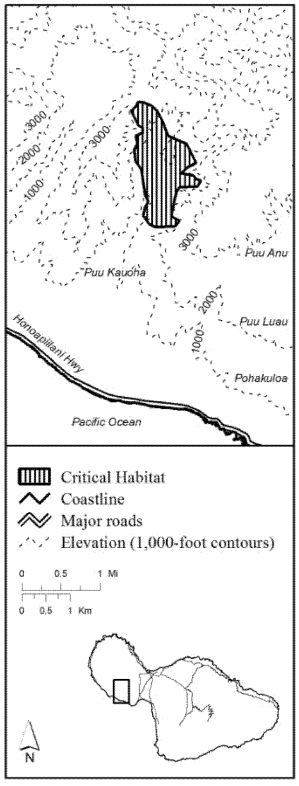
(6) *Pseudonestor xanthophrys*—Unit 1—Lowland Mesic-Maui, Maui County, Hawaii (477 ac; 193 ha). This unit is critical habitat for the Kiwikiu, *Pseudonestor xanthophrys*. Map of *Pseudonestor xanthophrys*—Unit 1—Lowland Mesic-Maui follows:

Map 4

Pseudonestor xanthophrys

Unit 1

Lowland Mesic-Maui



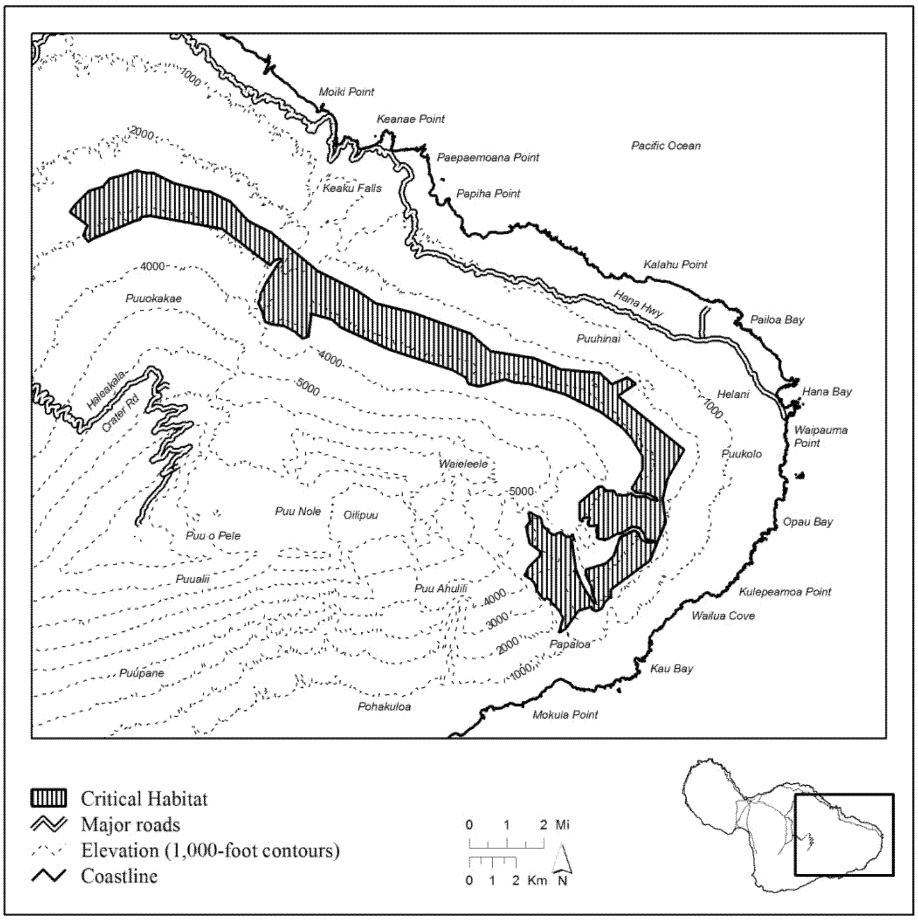
(7) *Pseudonestor xanthophrys*—Unit 2—Lowland Wet-Maui, Maui County, Hawaii (16,079 ac, 6,507 ha). This unit is critical habitat for the Kiwikiu, *Pseudonestor xanthophrys*. Map of *Pseudonestor xanthophrys*—Unit 2—Lowland Wet-Maui follows:

Map 5

Pseudonestor xanthophrys

Unit 2

Lowland Wet-Maui



(8) *Pseudonestor xanthophrys*—Unit 3—Lowland Wet-Maui, Maui County, Hawaii (65 ac, 26 ha); *Pseudonestor xanthophrys*—Unit 4—Lowland Wet-Maui, Maui County, Hawaii (1,247 ac, 505 ha); *Pseudonestor xanthophrys*—Unit 5—Lowland Wet-Maui, Maui County, Hawaii (864 ac, 350 ha); and *Pseudonestor xanthophrys*—Unit 7—Lowland Wet-Maui, Maui County, Hawaii (136 ac, 55 ha). These units are critical habitat for the Kiwikiu, *Pseudonestor xanthophrys.* Map of *Pseudonestor xanthophrys*—Unit 3—Lowland

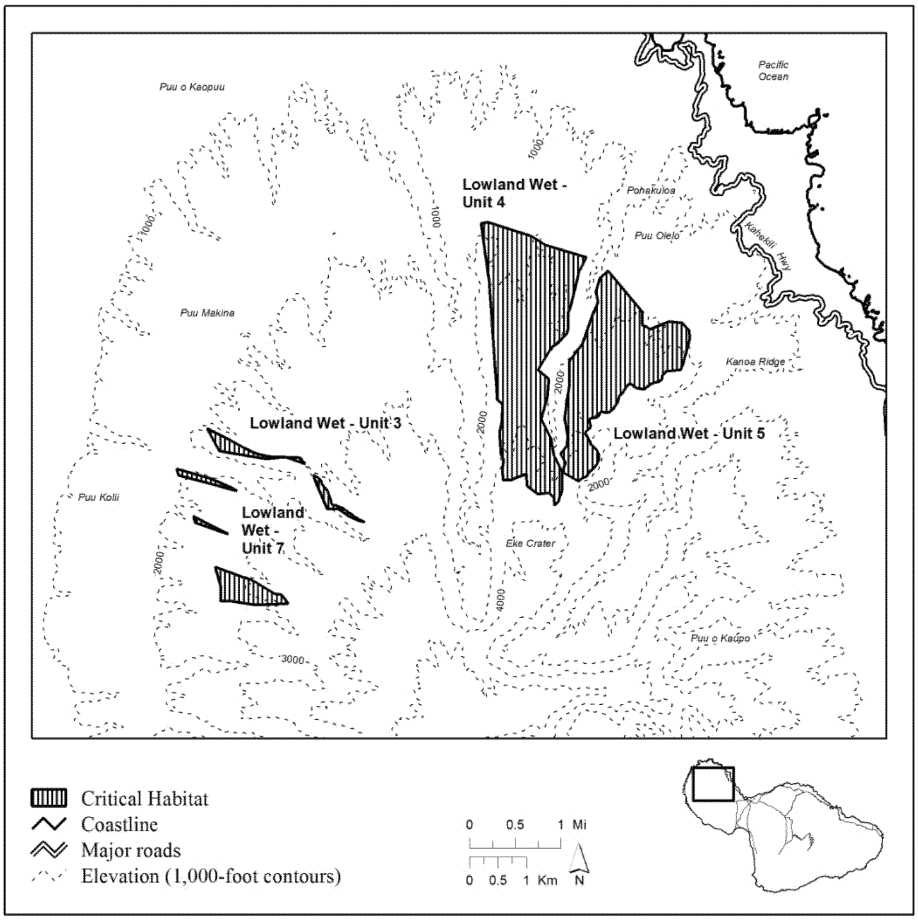
Wet-Maui, *Pseudonestor xanthophrys*—Unit 4—Lowland Wet 4-Maui, *Pseudonestor xanthophrys*—Unit 5—Lowland Wet-Maui, and *Pseudonestor xanthophrys*—Unit 7—Lowland Wet-Maui follows:

Map 6

Pseudonestor xanthophrys

Unit 3, Unit 4, Unit 5, and Unit 7

Lowland Wet-Maui



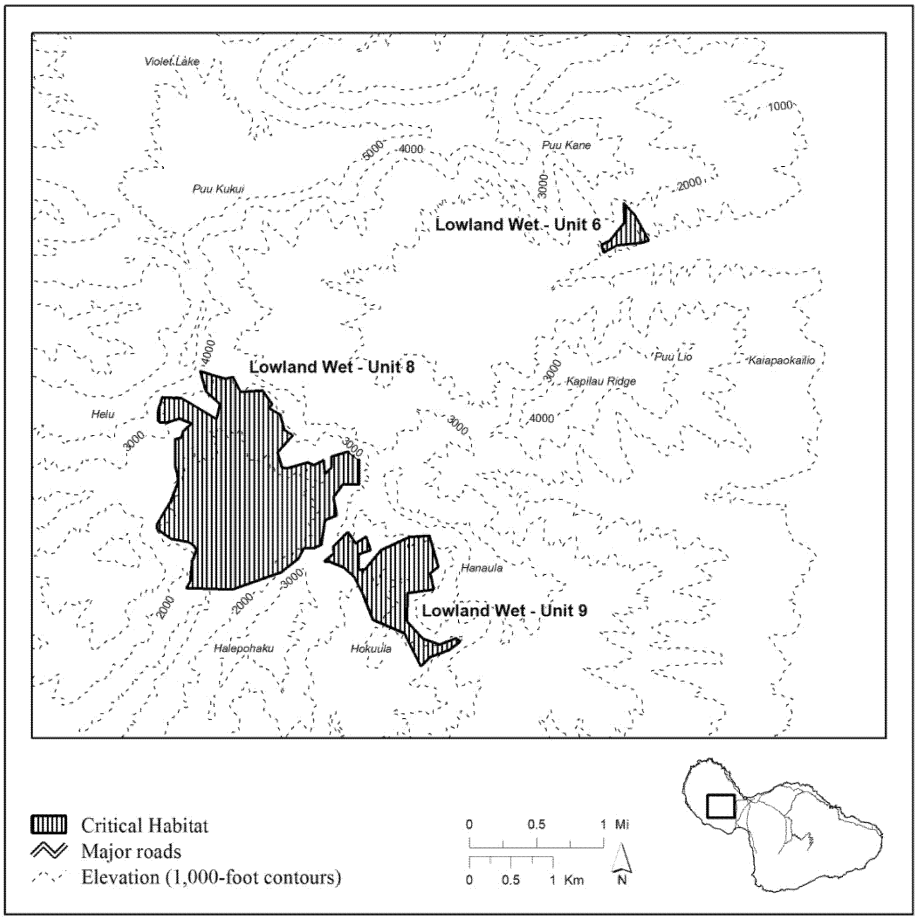
(9) *Pseudonestor xanthophrys*—Unit 6—Lowland Wet-Maui, Maui County, Hawaii (30 ac, 12 ha); *Pseudonestor xanthophrys*—Unit 8—Lowland Wet-Maui, Maui County, Hawaii (898 ac, 364 ha); and *Pseudonestor xanthophrys*—Unit 9—Lowland Wet-Maui, Maui County, Hawaii (230 ac, 93 ha). These units are critical habitat for the Kiwikiu, *Pseudonestor xanthophrys*. Map of *Pseudonestor xanthophrys*—Unit 6—Lowland Wet-Maui, *Pseudonestor xanthophrys*—Unit 8—Lowland Wet-Maui, and *Pseudonestor xanthophrys*—Unit 9—Lowland Wet-Maui follows:

Map 7

Pseudonestor xanthophrys

Unit 6, Unit 8, and Unit 9

Lowland Wet-Maui



(10) *Pseudonestor xanthophrys*—Unit 10—Montane Wet-Maui, Maui County, Hawaii (2,110 ac, 854 ha); *Pseudonestor xanthophrys*—Unit 11—Montane Wet-Maui, Maui County, Hawaii (14,583 ac, 5,901 ha); *Pseudonestor xanthophrys*—Unit 12—Montane Wet-Maui, Maui County, Hawaii (2,228 ac, 902 ha); *Pseudonestor xanthophrys*—Unit 13—Montane Wet-Maui, Maui County, Hawaii (1,833 ac, 742 ha); and *Pseudonestor xanthophrys*—Unit 14—Montane Wet-Maui, Maui County, Hawaii

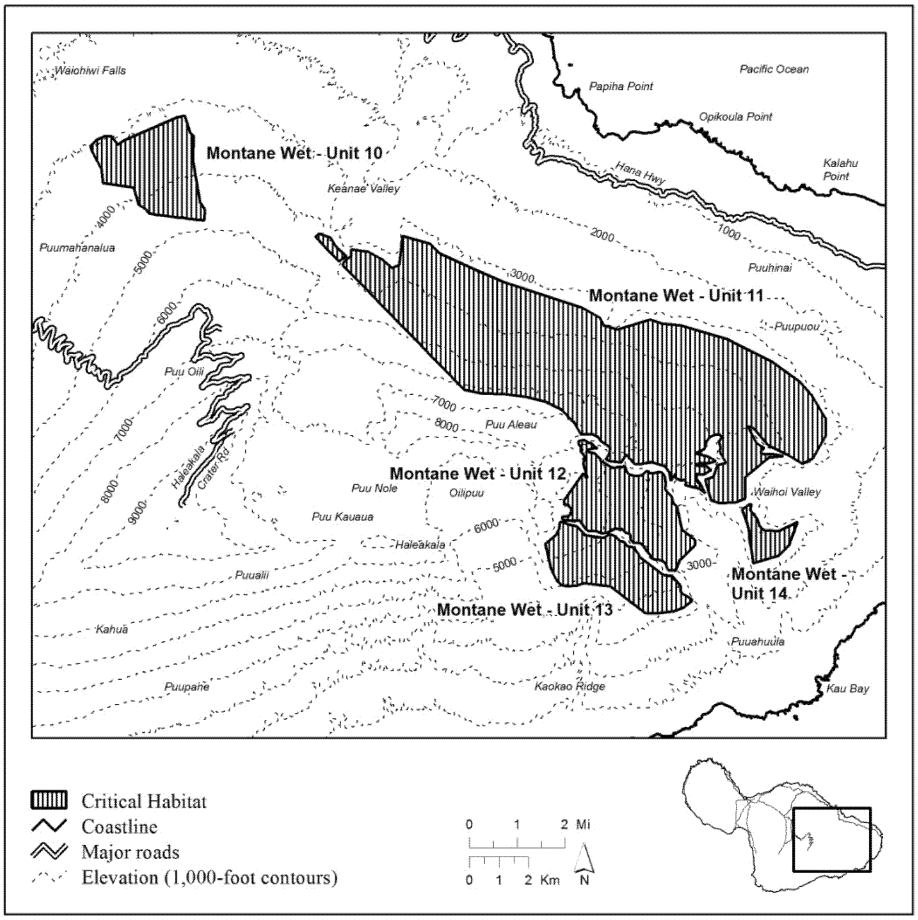
(387 ac, 156 ha). These units are critical habitat for the Kiwikiu, *Pseudonestor xanthophrys*. Map of *Pseudonestor xanthophrys*—Unit 10—Montane Wet-Maui, *Pseudonestor xanthophrys*—Unit 11—Montane Wet-Maui, *Pseudonestor xanthophrys*—Unit 12—Montane Wet-Maui, *Pseudonestor xanthophrys*—Unit 13—Montane Wet-Maui, and *Pseudonestor xanthophrys*—Unit 14—Montane Wet-Maui follows:

Map 8

Pseudonestor xanthophrys

Unit 10, Unit 11, Unit 12, Unit 13, and Unit 14

Montane Wet- Maui



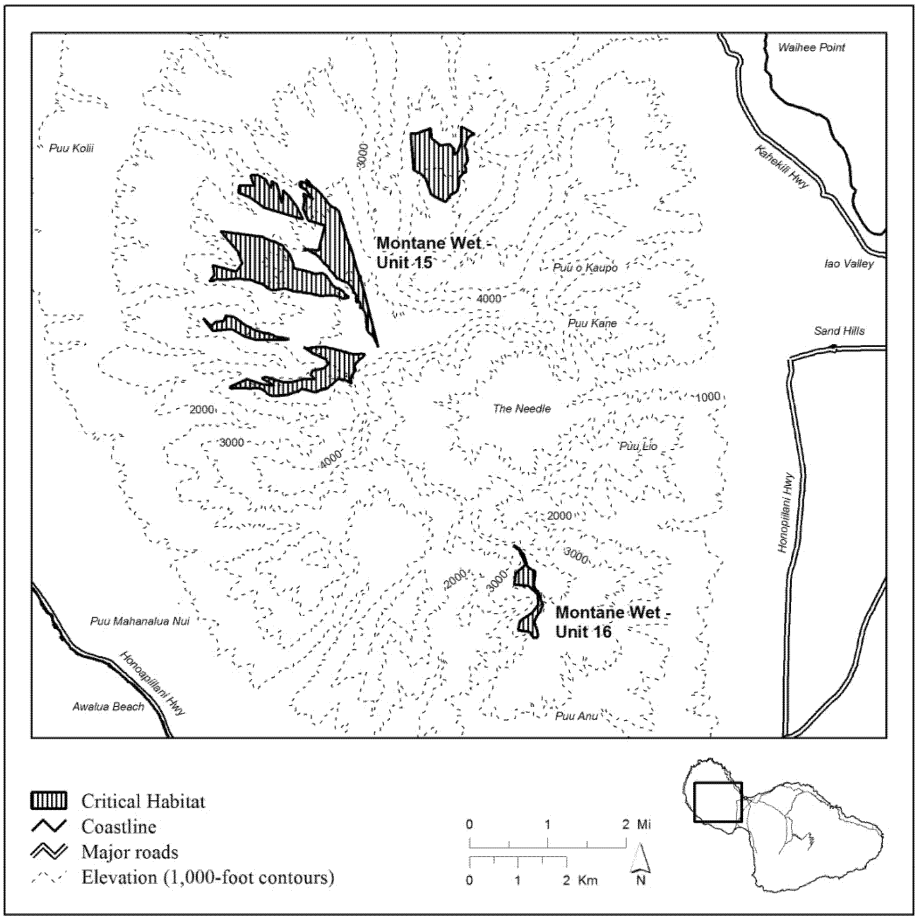
(11) *Pseudonestor xanthophrys*—Unit 15—Montane Wet-Maui, Maui County, Hawaii (1,399 ac, 566 ha), and *Pseudonestor xanthophrys*—Unit 16—Montane Wet-Maui, Maui County, Hawaii (80 ac, 32 ha). These units are critical habitat for the Kiwikiu, *Pseudonestor xanthophrys*. Map of *Pseudonestor xanthophrys*—Unit 15—Montane Wet-Maui, and *Pseudonestor xanthophrys*—Unit 16—Montane Wet-Maui follows:

Map 9

Pseudonestor xanthophrys

Unit 15 and Unit 16

Montane Wet-Maui



(12) [Reserved]

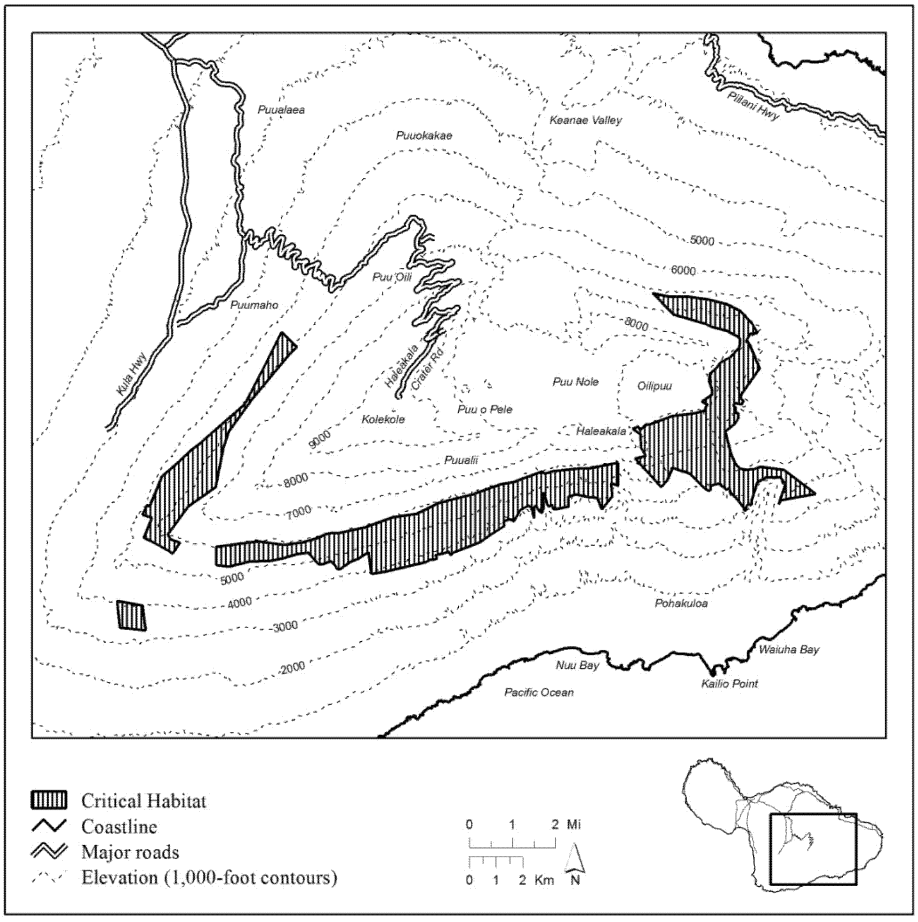
(13) *Pseudonestor xanthophrys*—Unit 18—Montane Mesic-Maui, Maui County, Hawaii (10,972 ac, 4,440 ha). This unit is critical habitat for the Kiwikiu, *Pseudonestor xanthophrys*. Map of *Pseudonestor xanthophrys*—Unit 18—Montane Mesic-Maui follows:

Map 10

Pseudonestor xanthophrys

Unit 18

Montane Mesic-Maui



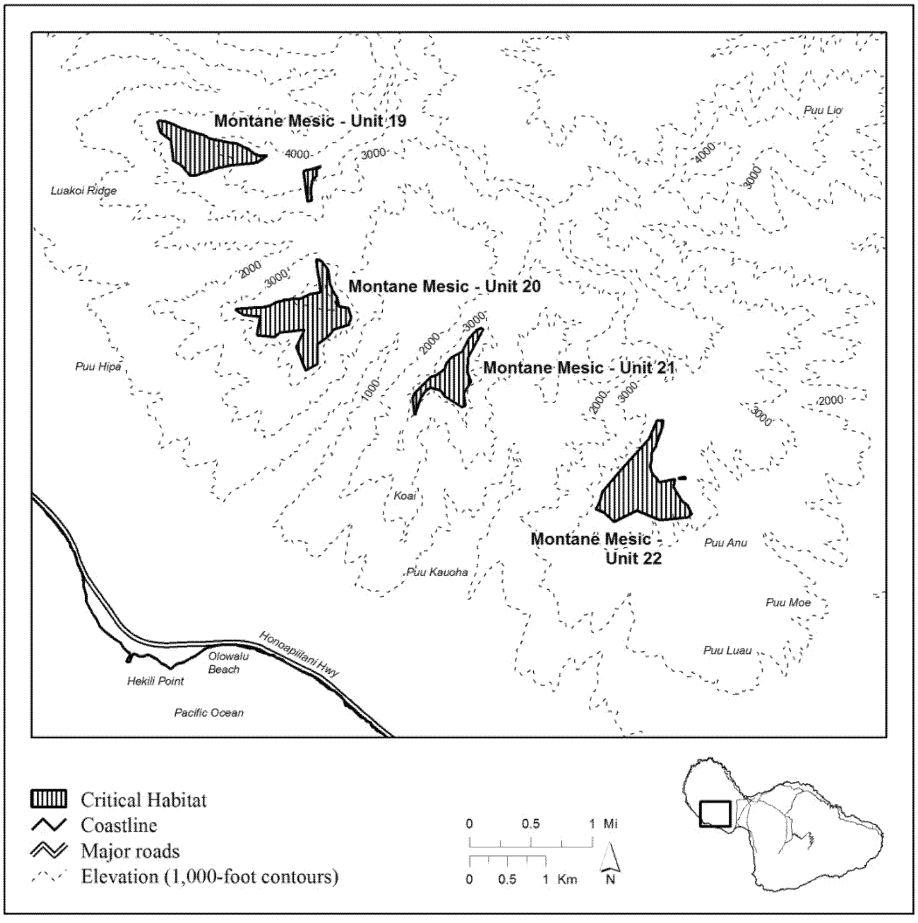
(14) *Pseudonestor xanthophrys*—Unit 19—Montane Mesic-Maui, Maui County, Hawaii (124 ac, 50 ha); *Pseudonestor xanthophrys*—Unit 20—Montane Mesic-Maui, Maui County, Hawaii (174 ac, 70 ha); *Pseudonestor xanthophrys*—Unit 21—Montane Mesic-Maui, Maui County, Hawaii (72 ac, 29 ha); and *Pseudonestor xanthophrys*—Unit 22—Montane Mesic-Maui, Maui County, Hawaii (170 ac, 69 ha). These units are critical habitat for the Kiwikiu, *Pseudonestor xanthophrys*. Map of *Pseudonestor xanthophrys*—Unit 19—Montane Mesic-Maui, *Pseudonestor xanthophrys*—Unit 20—Montane Mesic-Maui, *Pseudonestor xanthophrys*—Unit 21—Montane Mesic, and *Pseudonestor xanthophrys*—Unit 22—Montane Mesic-Maui follows:

Map 11

Pseudonestor xanthophrys

Unit 19, Unit 20, Unit 21, and Unit 22

Montane Mesic-Maui



(15) [Reserved]

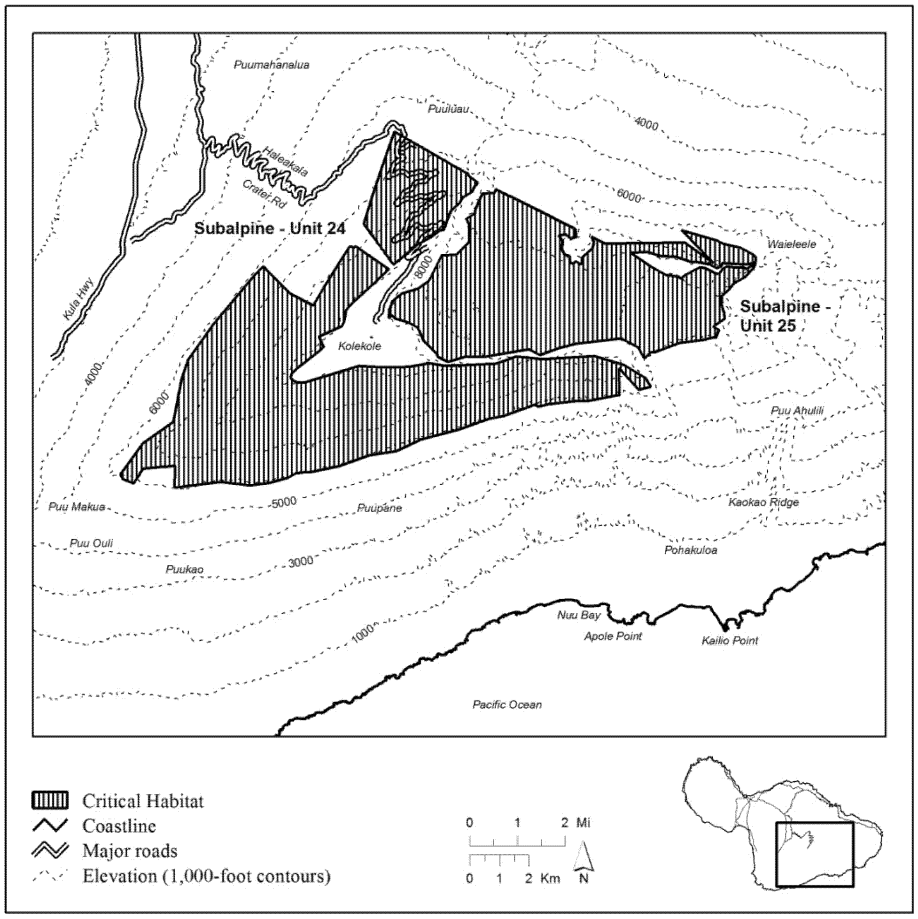
(16) *Pseudonestor xanthophrys*—Unit 24—Subalpine-Maui, Maui County, Hawaii (15,975 ac, 6,465 ha), and *Pseudonestor xanthophrys*—Unit 25—Subalpine-Maui, Maui County, Hawaii (9,886 ac, 4,001 ha). These units are critical habitat for the Kiwikiu, *Pseudonestor xanthophrys*. Map of *Pseudonestor xanthophrys*—Unit 24—Subalpine-Maui and *Pseudonestor xanthophrys*—Unit 25—Subalpine-Maui follows:

Map 12

Pseudonestor xanthophrys

Unit 24 and Unit 25

Subalpine-Maui



(17) *Pseudonestor xanthophrys*—Unit 26—Dry Cliff-Maui, Maui County, Hawaii (755 ac, 305 ha); *Pseudonestor xanthophrys*—Unit 27—Dry Cliff-Maui, Maui County, Hawaii (200 ac, 81 ha); and *Pseudonestor xanthophrys*—Unit 28—Dry Cliff-Maui, Maui County, Hawaii (315 ac, 127 ha). These units are critical habitat for the Kiwikiu, *Pseudonestor xanthophrys*. Map of *Pseudonestor xanthophrys*—Unit 26—Dry Cliff-Maui, *Pseudonestor xanthophrys*—Unit 27—Dry Cliff-Maui, and *Pseudonestor*

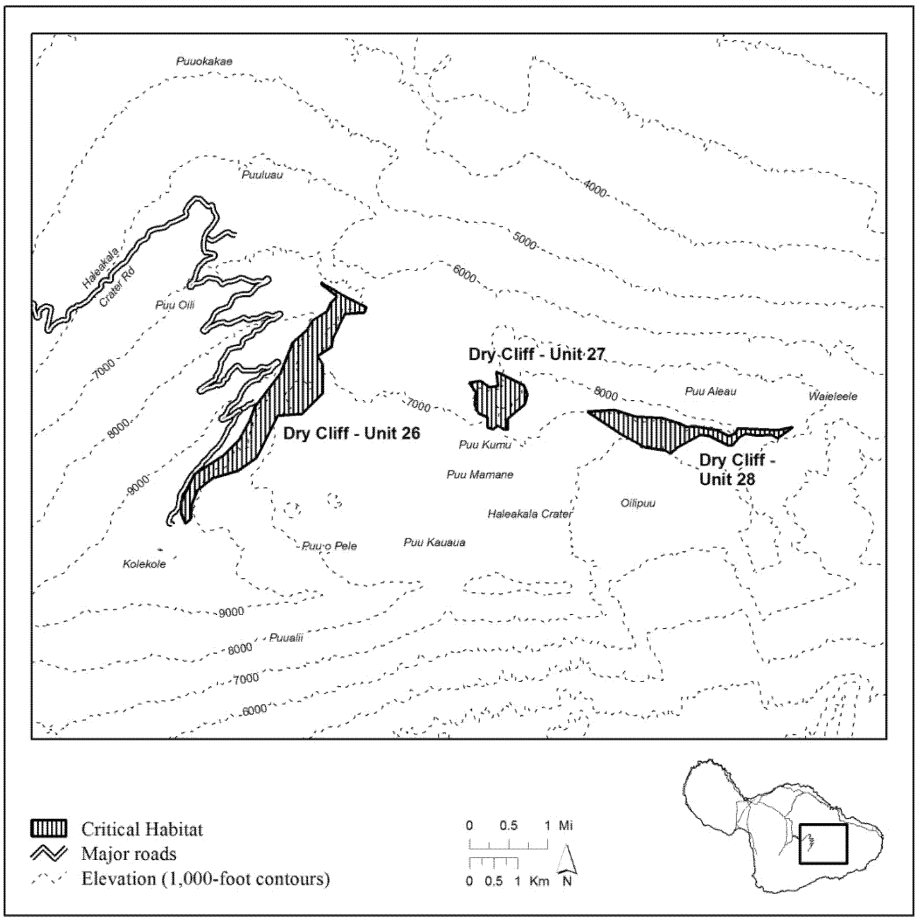
xanthophrys—Unit 28—Dry Cliff-Maui follows:

Map 13

Pseudonestor xanthophrys

Unit 26, Unit 27, and Unit 28

Dry Cliff-Maui



(18) *Pseudonestor xanthophrys*—Unit 29—Dry Cliff-Maui, Maui County, Hawaii (1,298 ac, 525 ha). This unit is critical habitat for the Kiwikiu, *Pseudonestor xanthophrys*. Map of

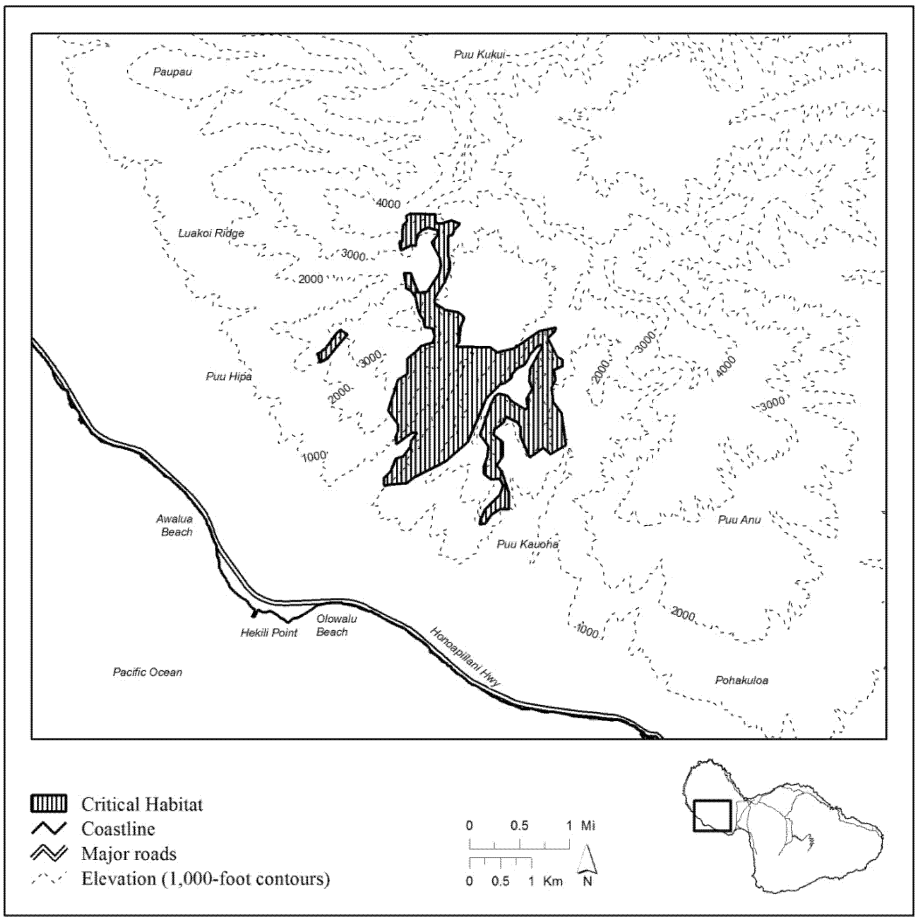
Pseudonestor xanthophrys—Unit 29—Dry Cliff-Maui follows:

Map 14

Pseudonestor xanthophrys

Unit 29

Dry Cliff-Maui



(19) *Pseudonestor xanthophrys*—Unit 30—Wet Cliff-Maui, Maui County, Hawaii (290 ac, 117 ha). This unit is critical habitat for the Kiwikiu, *Pseudonestor xanthophrys*. Map of

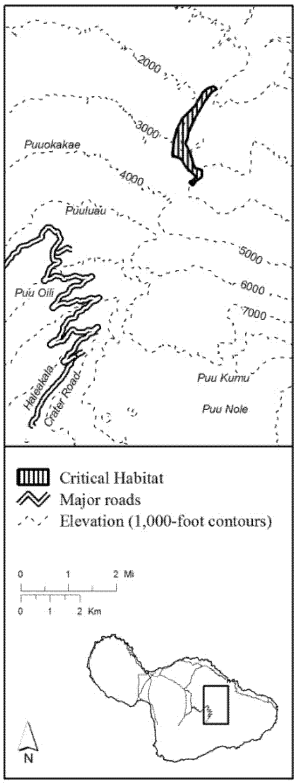
Pseudonestor xanthophrys—Unit 30—Wet Cliff-Maui follows:

Map 15

Pseudonestor xanthophrys

Unit 30

Wet Cliff-Maui



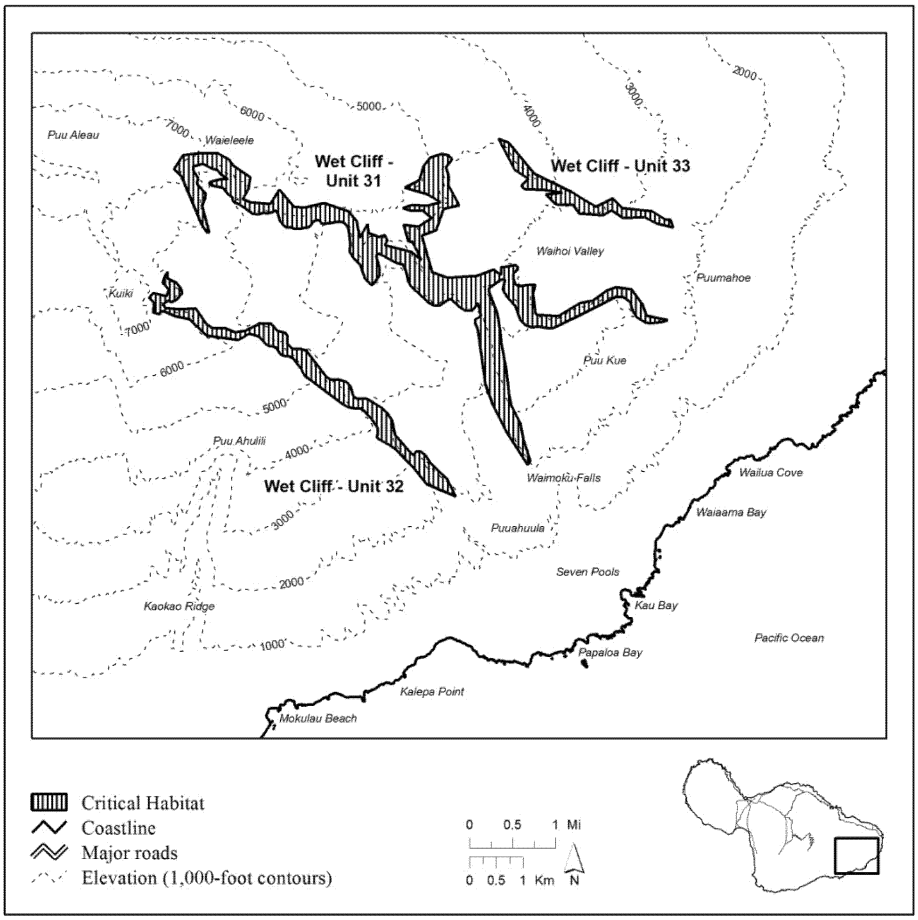
(20) *Pseudonestor xanthophrys*—Unit 31—Wet Cliff-Maui, Maui County, Hawaii (1,407 ac, 569 ha); *Pseudonestor xanthophrys*—Unit 32—Wet Cliff-Maui, Maui County, Hawaii (438 ac, 177 ha); and *Pseudonestor xanthophrys*—Unit 33—Wet Cliff-Maui, Maui County, Hawaii (184 ac, 75 ha). These units are critical habitat for the Kiwikiu, *Pseudonestor xanthophrys*. Map of *Pseudonestor xanthophrys*—Unit 31—Wet Cliff-Maui, *Pseudonestor xanthophrys*—Unit 32—Wet Cliff-Maui, and *Pseudonestor xanthophrys*—Unit 33—Wet Cliff-Maui follows:

Map 16

Pseudonestor xanthophrys

Unit 31, Unit 32, and Unit 33

Wet Cliff-Maui



(21) [Reserved]

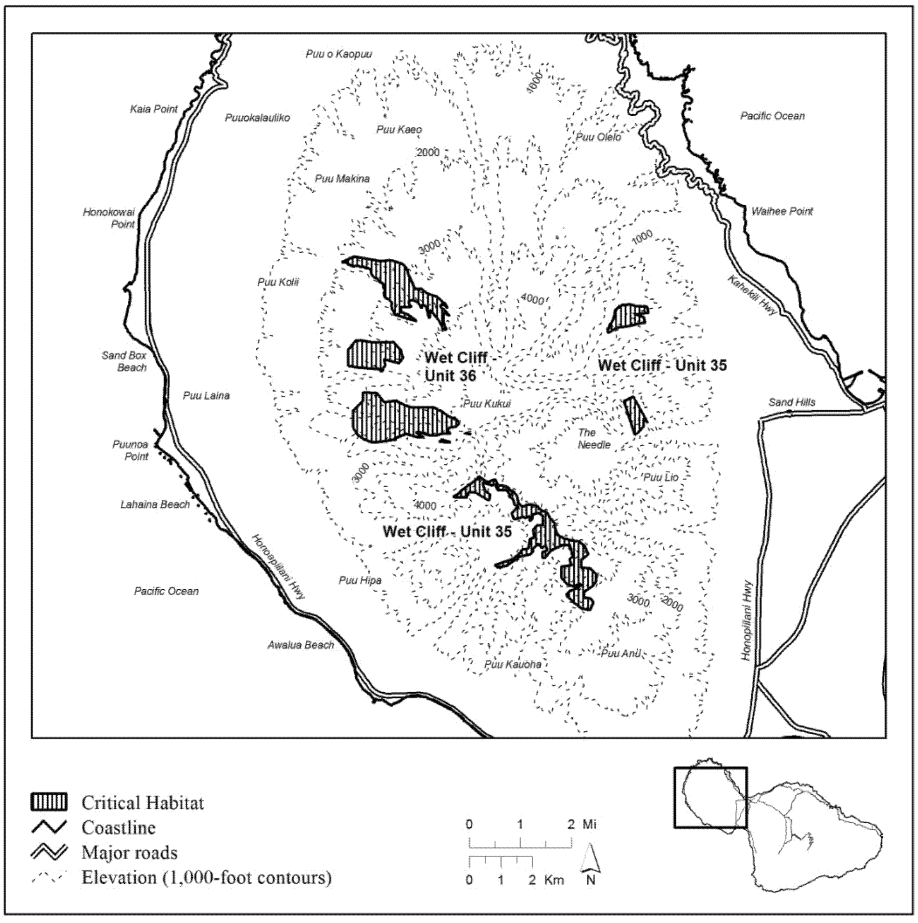
(22) *Pseudonestor xanthophrys*—Unit 35—Wet Cliff-Maui, Maui County, Hawaii (2,110 ac, 854 ha), and *Pseudonestor xanthophrys*—Unit 36—Wet Cliff-Maui, Maui County, Hawaii (556 ac, 225 ha). These units are critical habitat for the Kiwikiu, *Pseudonestor xanthophrys*. Map of *Pseudonestor xanthophrys*—Unit 35—Wet Cliff-Maui, and *Pseudonestor xanthophrys*—Unit 36—Wet Cliff-Maui follows:

Map 17

Pseudonestor xanthophrys

Unit 35 and Unit 36

Wet Cliff-Maui



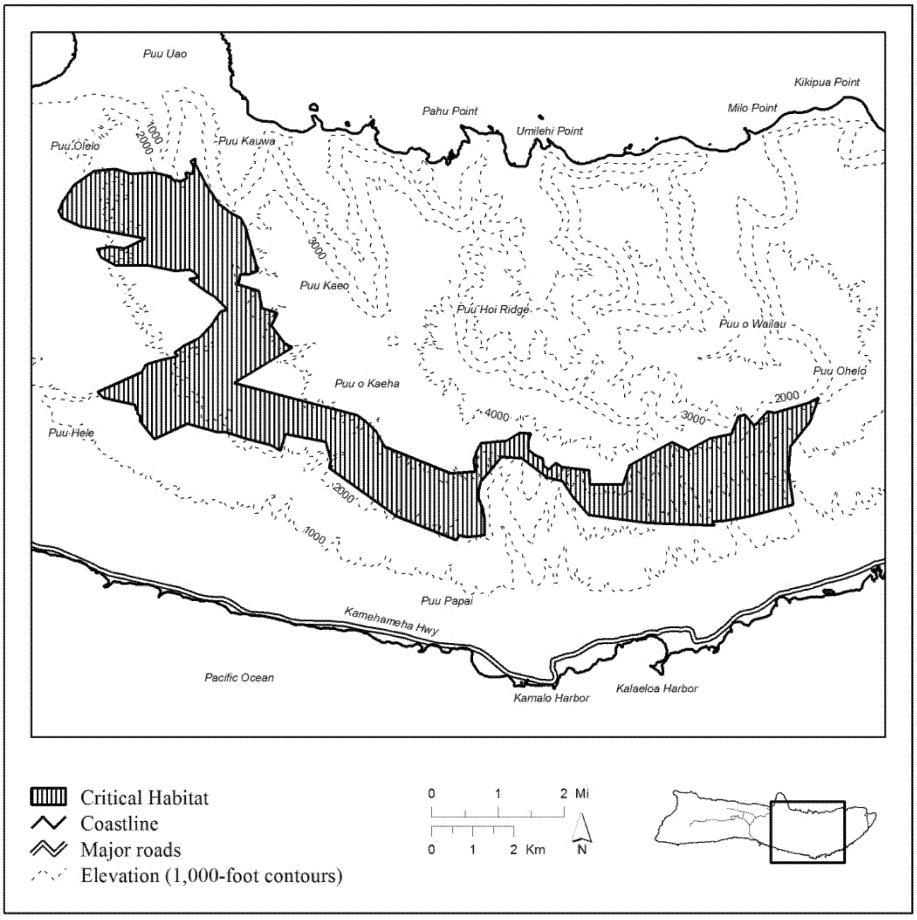
(23) *Pseudonestor xanthophrys*—Unit 37—Lowland Mesic-Molokai, Maui County, Hawaii (8,770 ac, 3,549 ha). This unit is critical habitat for the Kiwikiu, *Pseudonestor xanthophrys*. Map of *Pseudonestor xanthophrys*—Unit 37—Lowland Mesic-Molokai follows:

Map 18

Pseudonestor xanthophrys

Unit 37

Lowland Mesic-Molokai



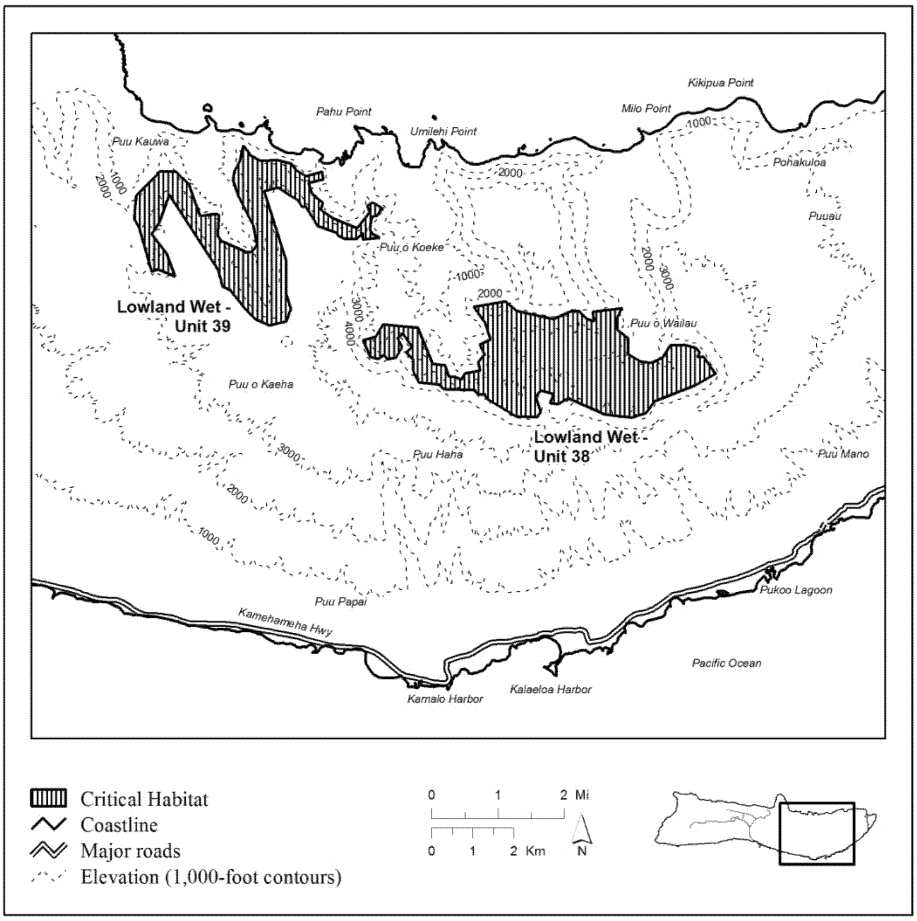
(24) *Pseudonestor xanthophrys*—Unit 38—Lowland Wet-Molokai, Maui County, Hawaii (2,949 ac, 1,193 ha), and *Pseudonestor xanthophrys*—Unit 39—Lowland Wet-Molokai, Maui County, Hawaii (1,950 ac, 790 ha). These units are critical habitat for the Kiwikiu, *Pseudonestor xanthophrys*. Map of *Pseudonestor xanthophrys*—Unit 38—Lowland Wet-Molokai and *Pseudonestor xanthophrys*—Unit 39—Lowland Wet-Molokai follows:

Map 19

Pseudonestor xanthophrys

Unit 38 and Unit 39

Lowland Wet-Molokai



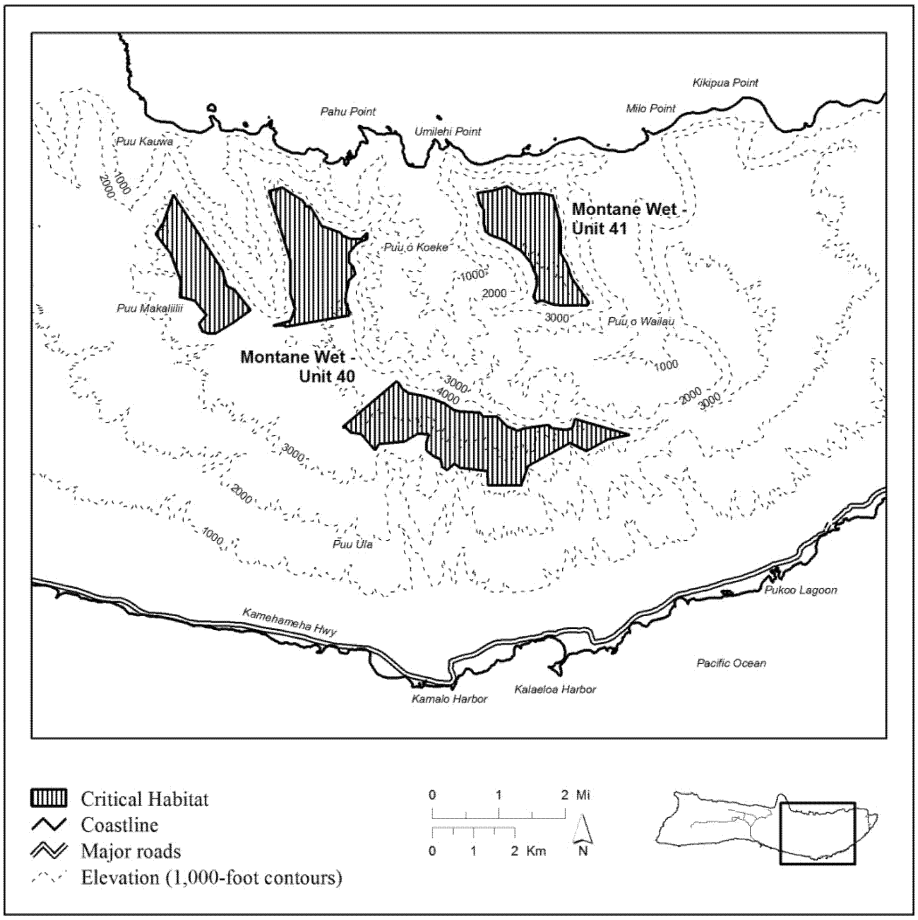
(25) *Pseudonestor xanthophrys*—Unit 40—Montane Wet-Molokai, Maui County, Hawaii (3,397 ac, 1,375 ha), and *Pseudonestor xanthophrys*—Unit 41—Montane Wet-Molokai, Maui County, Hawaii (910 ac, 368 ha). These units are critical habitat for the Kiwikiu, *Pseudonestor xanthophrys*. Map of *Pseudonestor xanthophrys*—Unit 40—Montane Wet-Molokai and *Pseudonestor xanthophrys*—Unit 41—Montane Wet-Molokai follows:

Map 20

Pseudonestor xanthophrys

Unit 40 and Unit 41

Montane Wet-Molokai



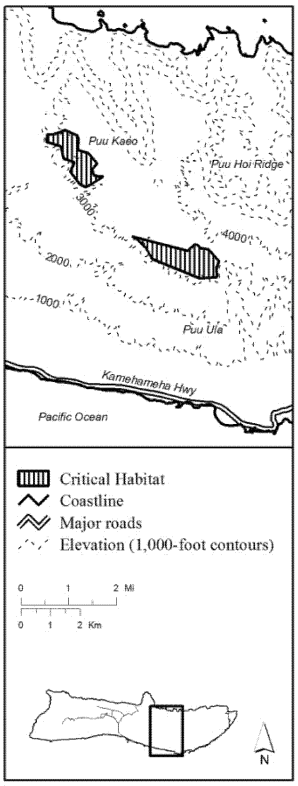
(26) *Pseudonestor xanthophrys*—Unit 42—Montane Mesic-Molokai, Maui County, Hawaii (816 ac, 330 ha). This unit is critical habitat for the Kiwikiu, *Pseudonestor xanthophrys*. Map of *Pseudonestor xanthophrys*—Unit 42—Montane Mesic-Molokai follows:

Map 21

Pseudonestor xanthophrys

Unit 42

Montane Mesic-Molokai



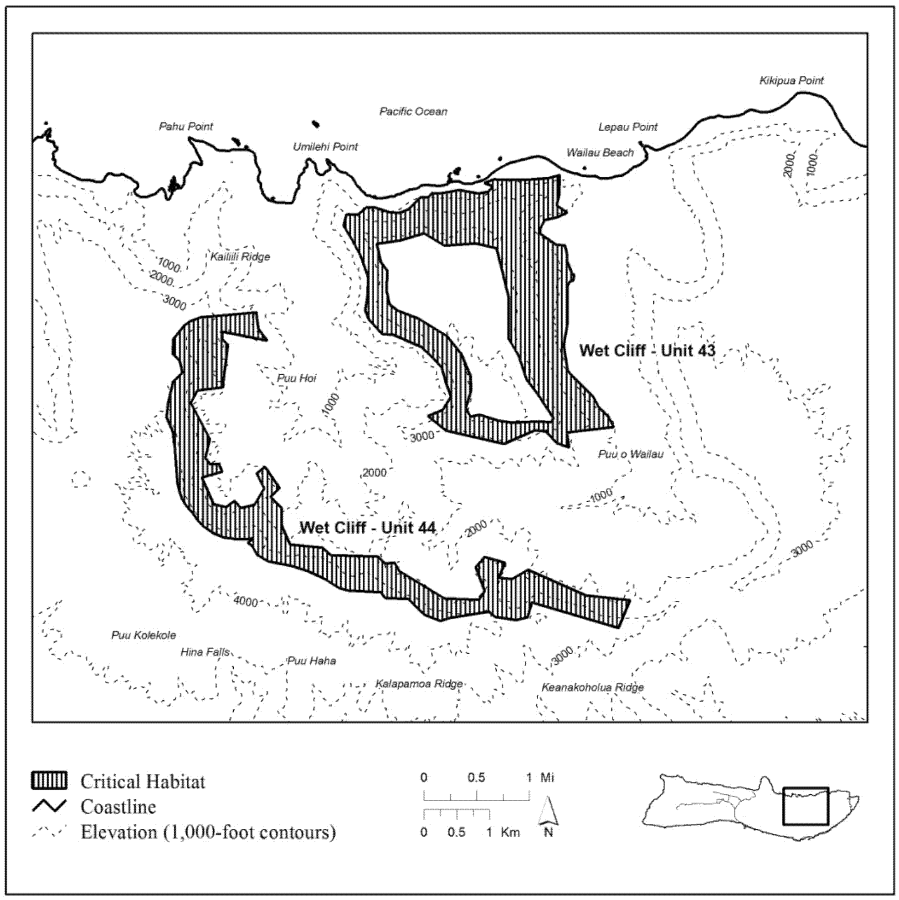
(27) *Pseudonestor xanthophrys*—Unit 43—Wet Cliff-Molokai, Maui County, Hawaii (1,607 ac, 651 ha), and *Pseudonestor xanthophrys*—Unit 44—Wet Cliff-Molokai, Maui County, Hawaii (1,268 ac, 513 ha). These units are critical habitat for the Kiwikiu, *Pseudonestor xanthophrys*. Map of *Pseudonestor xanthophrys*—Unit 43—Wet Cliff-Molokai and *Pseudonestor xanthophrys*—Unit 44—Wet Cliff-Molokai follows:

Map 22

Pseudonestor xanthophrys

Unit 43 and Unit 44

Wet Cliff-Molokai



PIPING PLOVER (*Charadrius melodus*)—GREAT LAKES BREEDING POPULATION

1. Critical habitat units are depicted for St. Louis County, Minnesota; Douglas, Ashland, Marinette, and Manitowoc Counties, Wisconsin; Lake County, Illinois; Porter County, Indiana; Erie and Lake Counties, Ohio; Erie County, Pennsylvania; Oswego

and Jefferson Counties, New York; and Alger, Schoolcraft, Luce, Mackinac, Chippewa, Iosco, Presque Isle, Cheboygan, Emmet, Charlevoix, Leelanau, Benzie, Mason, and Muskegon Counties, Michigan, on the maps below. The maps provided are for informational purposes only.

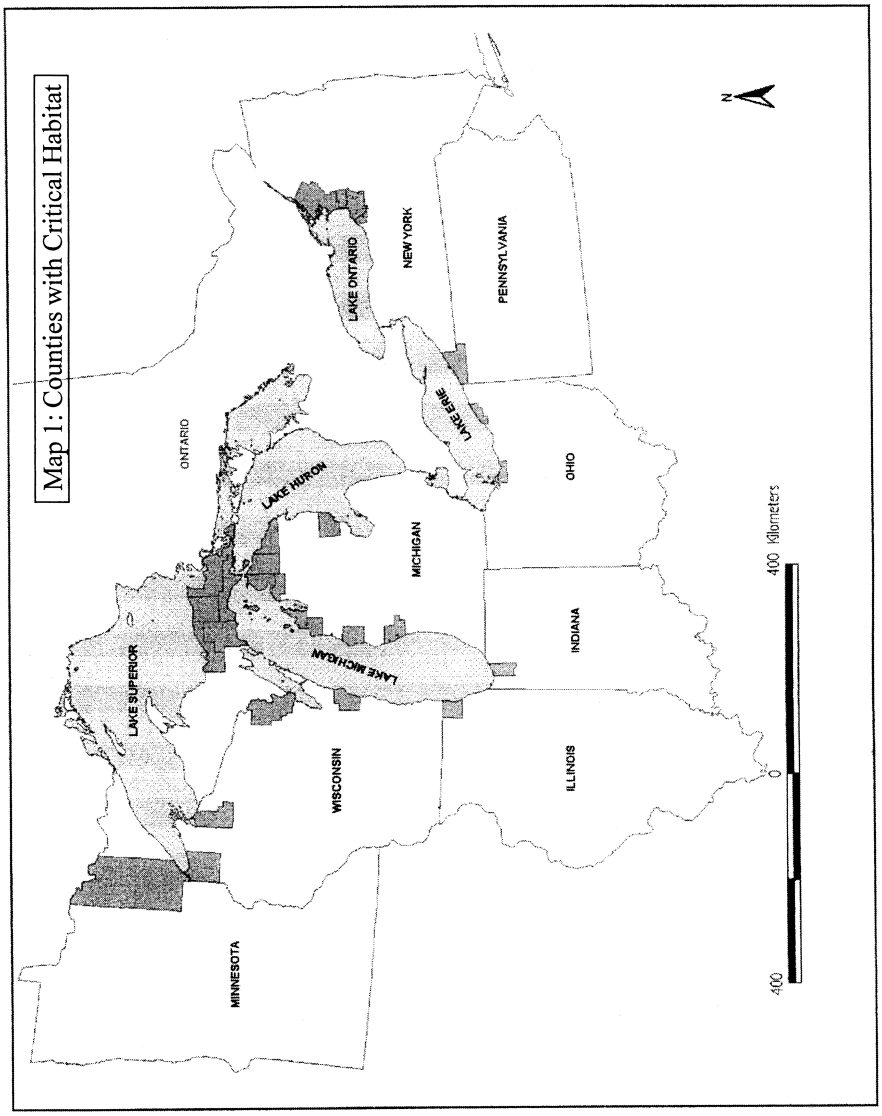
2. i. The primary constituent elements required to sustain the Great Lakes breeding population of the piping plover are found on Great Lakes islands and mainland shorelines that support open, sparsely vegetated sandy habitats, such as sand spits or sand beaches, that are associated with wide, unforested systems of dunes and inter-dune wetlands. In order for habitat to be physically and biologically suitable for piping plovers, it must have a total shoreline length of at least 0.2 km (0.12 mi) of gently sloping, sparsely vegetated (less than 50 percent herbaceous and low woody cover) sand beach with a total beach area of at least 2 hectares (ha) (5 acres (ac)) and a low level of disturbance from human activities and from domestic animals. As the nesting season progresses, the level of disturbance tolerated by piping plovers increases. A lower level of disturbance is required at the beginning of the nesting period during nest site selection, egg laying, and incubation. Beach activities that may be associated with a high level of disturbance include, but are not limited to, walking pets off leash, loud noise, driving ATVs, or significantly increased human presence. The level of disturbance is relative to the proximity to the nest, intensity, and frequency of these and other similar activities.

ii. Appropriately sized sites must also have areas of at least 50 meters (m) (164 feet (ft)) in length where the beach width is more than 7 m (23 ft), there is protective cover for nests and chicks, and the distance to the treeline (from the normal high water line to where the forest begins) is more than 50 m (164 ft). Beach width is defined as the distance from the normal high water line to the foredune (a low barrier dune ridge immediately inland from the beach) edge, or to the sand/vegetation boundary in areas where the foredune is absent. The beach width may be narrower than 7 m (23 ft) if appropriate sand and cobble areas of at least 7 m (23 ft) exist between the dune and the treeline. Protective cover for nests and chicks consists of small patches of herbaceous vegetation, cobble (stones larger than 1 cm (0.4 inches (in)) diameter), gravel (stones smaller than 1 cm (0.4 in) diameter), or debris such as driftwood, wrack, root masses, or dead shrubs.

iii. The dynamic ecological processes that create and maintain piping plover habitat are also important primary constituent elements. These geologically dynamic lakeside regions are controlled by processes of erosion, accretion, plant succession, and lake-level fluctuations. The integrity of the habitat components depends upon regular sediment transport processes, as well as episodic, high-magnitude storm events. By their nature, Great Lakes shorelines are in a constant state of change; habitat features may disappear, or be created nearby. The critical habitat boundaries reflect these natural processes and the dynamic character of Great Lakes shorelines.

3. Critical habitat does not include existing features and structures, such as buildings, marinas, paved areas, boat ramps, piers, bridges, lighthouses, and similar structures not containing one or more of the primary constituent elements.

NOTE: Maps follows:



Map of Units MN/WI–1, WI–1, WI–2, and WI–3

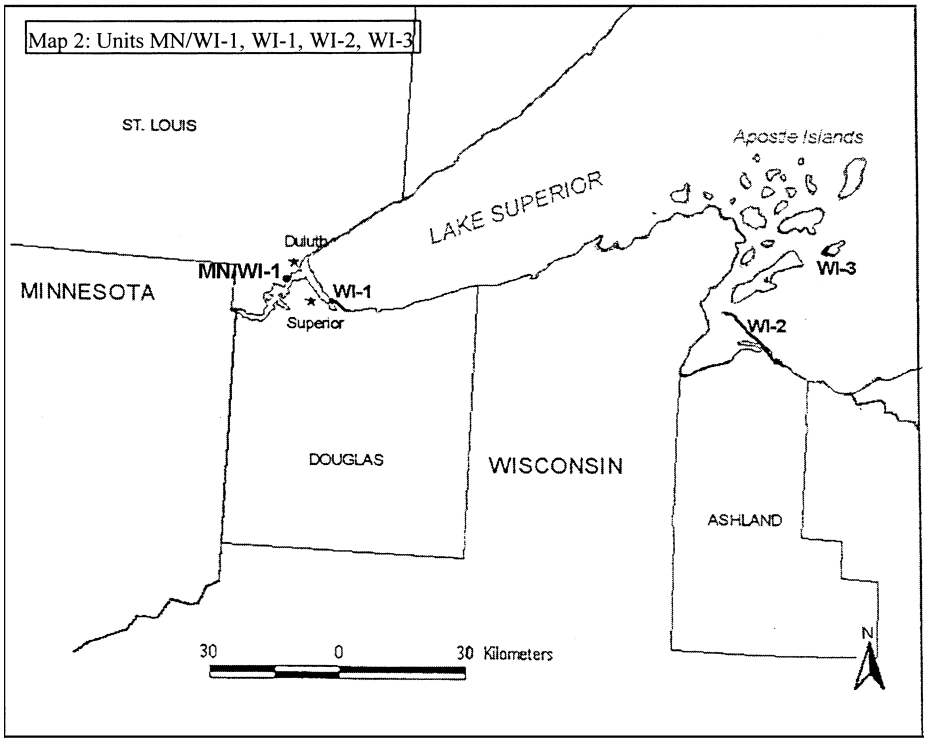
MN/WI–1: St Louis County, Minnesota. From USGS 1:24,000 quadrangle map West Duluth, Minnesota (1953, photorevised 1969). Lands 500 m (1640 feet) inland from normal high water line on Interstate Island in T49N R14W S10

WI–1: Douglas County, Wisconsin. From USGS 1:24,000 quadrangle maps Parkland, Wisconsin (1954, photorevised 1975) and Superior, Wisconsin (1954, photorevised 1983). Lands 500 meters (1640 feet) inland from normal high water line from the mouth of Dutchman Creek west-northwestward along the Lake Superior shoreline to the breakwall forming the Superior Front Channel opening to Lake Superior at the Douglas and St. Louis County line.

WI–2: Ashland County, Wisconsin. From USGS 1:24,000 quadrangle maps Cedar, Wisconsin (1964, photorevised 1975); Chequamegon Point, Wisconsin (1964, photorevised 1975); and Long Island, Wisconsin (1964). Lands 500 meters (1640 feet) inland from normal high water line from the southern boundary of T48N R3W, section 1 northwestward along the Lake Superior shoreline to Chequamegon Point Light.

WI–3: Ashland County, Wisconsin. From USGS 1:24,000 quadrangle map Michigan Island, Wisconsin (1963). Lands 500 meters (1640 feet) inland from normal high water line on Michigan Island within T51N R1W sections 28, 20, and 21.

NOTE: Map follows:

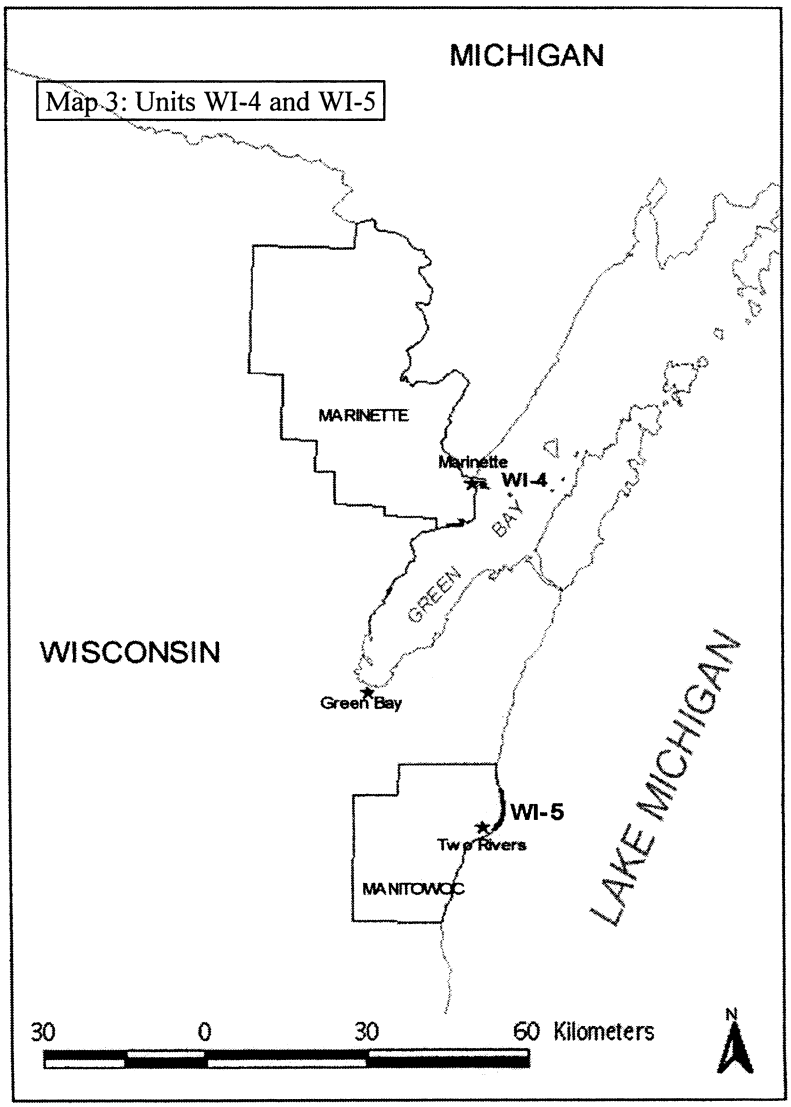


Map of Units WI–4 and WI–5

WI–4: Marinette County, Wisconsin. From USGS 1:24,000 quadrangle map Marinette East, Wisconsin (1963, photorevised 1969). Lands 500 m (1640 ft) inland from normal high water line from the end of Leonard Street at Red Arrow Park in T30N R24E section 9 south-southeastward to the south end of Seagull Bar including nearshore sand bars.

WI–5: Manitowoc County, Wisconsin. From USGS 1:24,000 quadrangle map Two Rivers, Wisconsin (1978). Lands 500 m (1640 ft) inland from normal high water line from the southwest property boundary of Point Beach State Forest near Neshotah Park in the city of Twin Rivers (T20N R25E section 31) northwestward along the Lake Michigan shoreline to the south boundary of section 9, T20N R25E, at Rawley Point.

NOTE: Map follows:



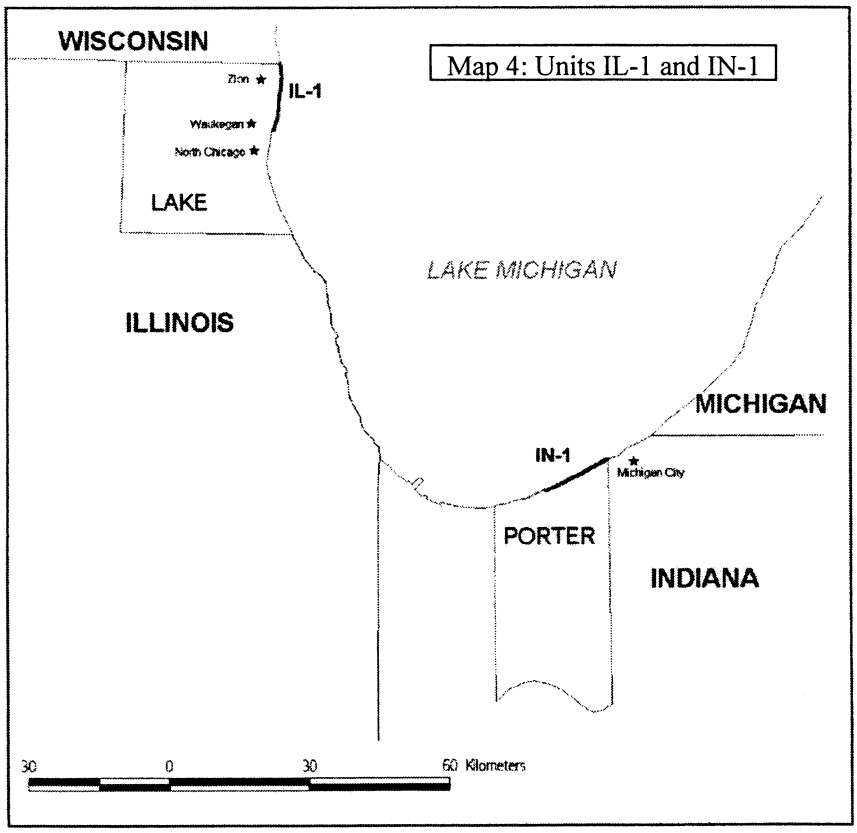
Map of Units IL–1 and IN–1

IL–1: Lake County, Illinois. From USGS 1:24,000 quadrangle maps Zion, Illinois (1993) and Waukegan, Illinois (1993). Lands 500 m (1640 ft) inland from normal high water line from 17th Street and the Lake Michigan shoreline in Illinois Beach State Park T46N R12E section 14 (Zion, Ill. quad) southward along the Lake Michigan shoreline (excluding the portion of Lake Michigan shoreline from dividing line of T46N R12E sections 23 and 26 to 500 m (1,640 ft) south of the Illinois Beach State Park Lodge and Conference Center) to the Waukegan Beach breakwall at North Beach Park T45N R12E section 22 (Waukegan quad).

IN–1: Porter County, Indiana. From USGS 1:24,000 quadrangle maps Ogden Dunes, Indiana (1991) and Dune Acres, Indiana (1991). Lands 500 m (1640 ft) inland from normal high water line from the western boundary of the Cowels Bog/Dune Acres Unit, (located

east of the Port of Indiana and the NIPSCO Baily Generating Station) east-northeastward along the Indiana Dunes State Park to Kemil Road at Beverly Shores.

NOTE: Map follows:



Map of Units MI–1 through MI–23

MI–1: Chippewa, Luce, and Alger Counties, Michigan. From USGS 1:24,000 quadrangle maps Whitefish Point, Michigan (1951); Vermilion, Michigan (1951); Betsy Lake North, Michigan (1968); Muskallonge Lake East, Michigan (1968); Muskallonge Lake West, Michigan (1968); and Grand Marais, Michigan (1968). Lands 500 m (1640 ft) inland from normal high water line within the junction of the southern boundary of T50N R5W section 6 (Whitefish Point quad) and including the shore of Lake Superior following the shoreline northeast to Whitefish Point, then following the Lake Superior shoreline westward around the point(Vermilion SE, Vermilion quads), crossing the Luce County line and continuing westward (Betsy Lake North, Betsy Lake Northwest) across the Alger County line (Grand Marais East) to Lonesome Point and the East Bay of the Sucker River (Grand Marais quad) and following the shoreline along the inner bay of Grand Marais Harbor past Carpenter Creek and ending at the shoreline north of the east end of the private road originating at the junction of Highway 58, Morris Road, and Veteran Road. The unit then continues from the breakwall north of the harbor, along the Lake Superior shoreline of Grand Marais near the former Coast Guard station (Grand Marais quad) westward along the Lake Superior shoreline to the Pictured Rocks National Lakeshore property boundary in T49N R14W section 1.

MI–2: Mackinac County, Michigan. From USGS 1:24,000 quadrangle map Pointe Aux

Chenes, Michigan (1964, photorevised 1975). Lands 500 m (1640 ft) inland from normal high water line from the mouth of the Pointe Aux Chenes river following the Lake Michigan shoreline northwestward to the Hiawatha National Forest property boundary at the junction of T41N R5W sections 23 and 26.

MI–3: Schoolcraft and Mackinac Counties, Michigan. From USGS 1:24,000 quadrangle map Hughes Point, Michigan (1972). Lands 500 m (1640 ft) inland from normal high water line from the westernmost breakwall at the Port Inland Gaging Station following the Lake Michigan shoreline eastward along Hughes Point to the mouth of Swan Creek.

MI–4: Emmet County, Michigan. From USGS 1:24,000 quadrangle maps Big Stone Bay, Michigan (1964, photoinspected 1975); Waugoshance Island, Michigan (provisonal 1982); Bliss, Michigan (1982); Cross Village, Michigan (1982). Lands 500 m (1640 ft) inland from normal high water line from the junction of the northeast corner of T39N R5W section 28 (Big Stone Bay quad) and Lake Michigan shoreline westward along the shoreline around and including Temperance and Waugoshance islands and any nearshore sandbars (Waugoshance Island quad), along the southern side of Waugoshance Point following the shoreline southeastward to Big Sucker Creek, continuing southward and southwestward along Sturgeon Bay Point (Bliss quad) and continuing southward along the Lake Michigan shoreline to the southwest boundary of T37N R6W section 5.

MI–5: Emmet County, Michigan. From USGS 1:24,000 quadrangle map Forest Beach, Michigan. Lands 500 m (1640 ft) inland from normal high water line from the junction of Lake Michigan shoreline and the northwest boundary of T36N R6W section 30 southsoutheastward along Lake Michigan shoreline to the junction of the shoreline and the southeast corner of T35N R6W section 9.

MI–6: Emmet County, Michigan. From USGS 1:24,000 quadrangle map Harbor Springs, Michigan. Lands 500 m (1640 ft) inland from normal high water line from the mouth of Tannery Creek north along Lake Michigan shoreline of Little Traverse Bay crossing the northern property boundary of Petoskey State Park to include the shoreline of Mononaqua Beach within T35N R5W sections 22 and 21.

MI–7: Charlevoix County, Michigan. From USGS 1:24,000 quadrangle maps Ironton, Michigan (1983) and Charlevoix, Michigan (1983). Lands 500 m (1640 ft) inland from normal high water line within T34N R8W section 14.

MI–8: Charlevoix County, Michigan. From USGS 1:24,000 quadrangle map Charlevoix, Michigan (1983). Lands 500 m (1640 ft) inland from normal high water line from the junction of the line separating T34N R8W section 31 and T33N R8W section 6 with the Lake Michigan shore then extends southwestward along the shoreline and including Fisherman's Island to the Fisherman's Island State Park property boundary at the end of Lakeshore Drive where it meets the line between T33N R9W sections 12 and 1.

MI–9: Charlevoix County, Michigan. From USGS 1:24,000 quadrangle maps Garden Island West, Michigan (1980) and Beaver Island North (1986). Lands 500 m (1640 ft) inland from normal high water line from Indian Point (Garden Island West quad) T39N R10W section 20 southward along the west Lake Michigan shoreline of Beaver Island including Donegal Bay and McCauley Point and ending at the junction of the dividing line of T39 N R10W and T38N R10W and the Lake Michigan shoreline (Beaver Island North quad).

MI–10: Charlevoix County, Michigan. From USGS 1:24,000 quadrangle map Beaver Island North (1986). Lands 500 m (1640 ft) inland from normal high water line from the junction of Lake Michigan and the northwest corner of T38N R11W section 25 southward along the Lake Michigan shoreline to the junction of the Lake Michigan shoreline and the dividing line between T39N and T38N R11W.

MI–11: Charlevoix County, Michigan. From USGS 1:24,000 quadrangle map High Island(1986). Lands 500 m (1640 ft) inland from normal high water line within T39N R11W sections 27 and 32 and T38N R11W section 5.

MI–12: Leelanau County, Michigan. From USGS 1:24,000 quadrangle maps Northport, Michigan (provisional 1983)and Northport NW, Michigan (provisional 1983). Lands 500 m (1640 ft) inland from normal high water line from the intersection of the Lake Michigan shoreline and the line between T32N R11W section 12 and T32N R10W section 7—excluding lands covered by the Magic Carpet Woods Association HCP, approximately 2,600 feet of frontage on Cathead Bay within the east half of the southwest quarter and the west half of the southeast quarter of Section 14, T32N, R11W in Leelanau Township—then following the shoreline southwestward and past Cathead Point in T32N R11W section 15 (Northport quad) southwestward along the Lake Michigan shoreline to the intersection of the shoreline with the southern boundary of T32N R11W section 16 north of Christmas Cove (Northport NW quad).

MI–13: Leelanau County, Michigan. From USGS 1:24,000 quadrangle map South Fox Island (provisional 1986). Lands 500 m (1640 ft) inland from normal high water line within T34N R13W sections 15, 16, and 21 and T35R13W section 30.

MI–14: Leelanau County, Michigan. From USGS 1:24,000 quadrangle map North Manitou Island (provisional 1983). Lands 500 m (1640 ft) inland from normal high water line within T31N R14W sections 22, 23, 27 and 28 on North Manitou Island.

MI–15: Leelanau County, Michigan. From USGS 1:24,000 quadrangle maps Glen Arbor, Michigan (1983); Glen Haven, Michigan (1983); and Empire, Michigan (1983). Lands 500 m (1640 ft) inland from normal high water line from Crystal Run in T29N R14W section 14 (Glen Arbor quad) south-southwestward and westward along the Lake Michigan shoreline, then west-northwestward to Sleeping Bear Point (Glen Haven quad) and southwestward and south to the southern Sleeping Bear Dunes National Lakeshore property boundary in T28N R15W section 13 (Empire quad).

MI–16: Benzie County, Michigan. From USGS 1:24,000 quadrangle maps Empire, Michigan (1983); Beulah, Michigan (provisional 1983); and Frankfort, Michigan (1983). Lands 500 m (1640 ft) inland from normal high water line from Esch Road in T27N R15W section 1 (Empire quad) south-southwestward along the shoreline of Lake Michigan at Platte Bay (Beulah quad), then westward along the shoreline of Lake Michigan to Platte River Point (Frankfort quad) continuing west-southwestward to the Sleeping Bear Dunes National Lakeshore property boundary at Sutter Road in T27N R16Wsection 26. Continuing from the junction of Lake Michigan shoreline and Point Betsie Natural Area property boundary in T27N R16W section 33 southward along the Lake Michigan shoreline to include all shoreline within T26N16W section 4.

MI–17: Mason County, Michigan. From USGS 1:24,000 quadrangle maps Manistee NW, Michigan (provisional 1923) and Hamlin Lake, Michigan (1982). Lands 500 m (1640 ft) inland from normal high water line from the mouth of Cooper Creek T20N R18W section 13 (Manistee NW quad) south-southwestward following the Lake Michigan shoreline along Big Sable Point (Hamlin Lake quad) to the mouth of the Big Sable River T19N R18W section 19.

MI–18: Muskegon County, Michigan. From USGS 1:24,000 quadrangle map Muskegon West (1972, photoinspected 1980) and Dalton (1983). Lands 500 m (1640 ft) inland from normal high water line from the north breakwall of the canal joining Muskegon Lake and Lake Michigan (Muskegon West quad) north along the Lake Michigan shoreline to the northern Muskegon State Park property boundary at the shoreline (Dalton quad).

MI–19: Chippewa County, Michigan. From USGS 1:24,000 quadrangle maps Albany Island, Michigan (1964, photoinspected 1976) and DeTour Village, Michigan (1964). Lands 500 m (1640 ft) inland from normal high water line from the State Forest boundary in T41N R3E section 11 (Albany Island quad) and follows the Lake Huron shoreline east south eastward around and including St. Vital Point and then north to the mouth of Joe Straw Creek in T41N R3E section 12(De Tour Village quad).

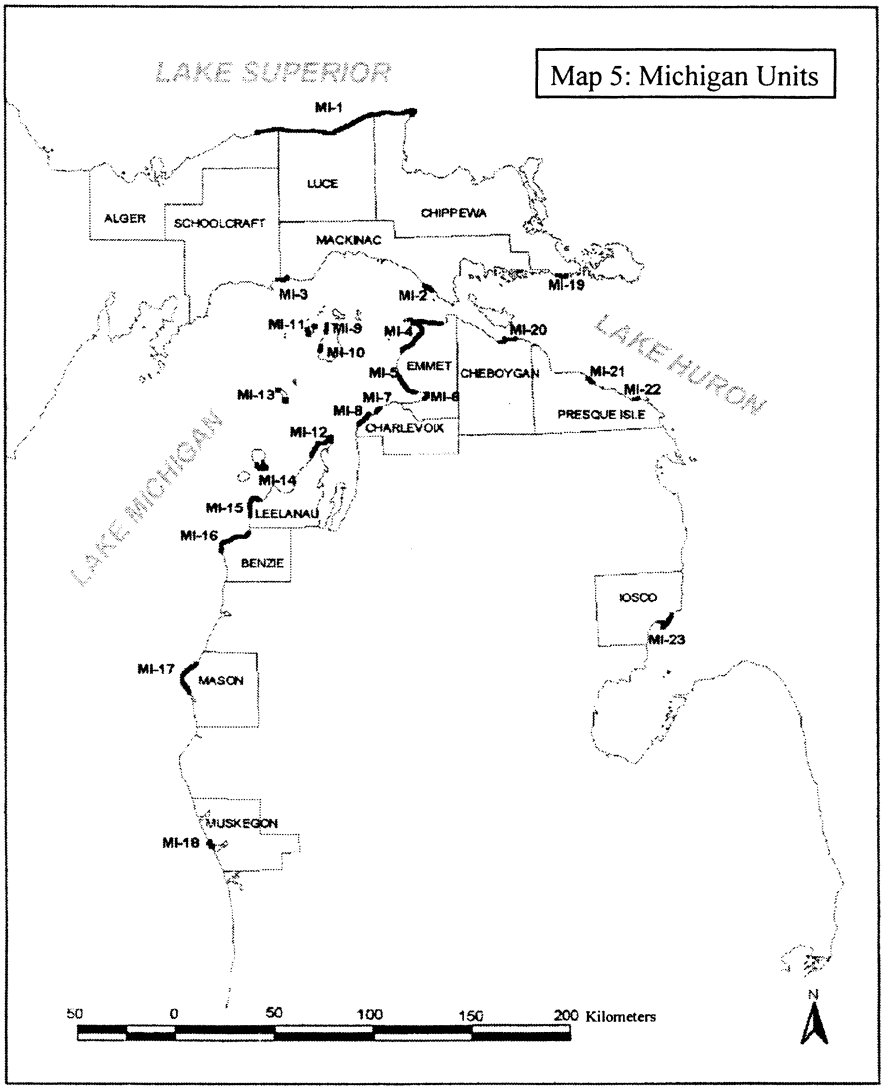
MI–20: Cheboygan County, Michigan. From USGS 1:24,000 quadrangle maps Cheboygan, Michigan (1982) and Cordwood Point, Michigan (1982). Lands 500 m (1640 ft) inland from normal high water line from the junction of the Lake Huron shoreline and the western boundary of T38N R1W section 22 (Cheboygan quad) eastward along the Lake Huron shoreline of Grass Bay, continuing to the western boundary of T38N R1E section 20 (Cordwood Point quad).

MI–21: Presque Isle County, Michigan. From USGS 1:24,000 quadrangle maps Roger's City, Michigan (1971) and Moltke, Michigan (1971). Lands 500 m (1640 ft) inland from normal high water line within T35N R5E section 6 and T36N R5E section 31 (Roger's City quad) continuing northwestward to the junction of Nagel Rd and Forty Mile Road at the junction of T36N R4E section 25 and T36N R5E section 30 (Moltke quad).

MI–22: Presque Isle County, Michigan. From USGS 1:24,000 quadrangle map Thompson's Harbor, Michigan (1971). Lands 500 m (1640 ft) inland from normal high water line from Black Point to Grand Lake Outlet including shoreline within T34N R7E sections 10, 11, 14, and 15.

MI–23: Iosco County, Michigan. From USGS 1:24,000 quadrangle map East Tawas, Michigan (1989). Lands 500 m (1640 ft) inland from normal high water line from the Tawas Sate Park boundary at the U.S. Coast Guard Station on the east side of Tawas Point southward along the Lake Huron shoreline including offshore sand spits and along the tip of the point and northeastward including all shoreline in T22N R8E section 34.

NOTE: Map follows:

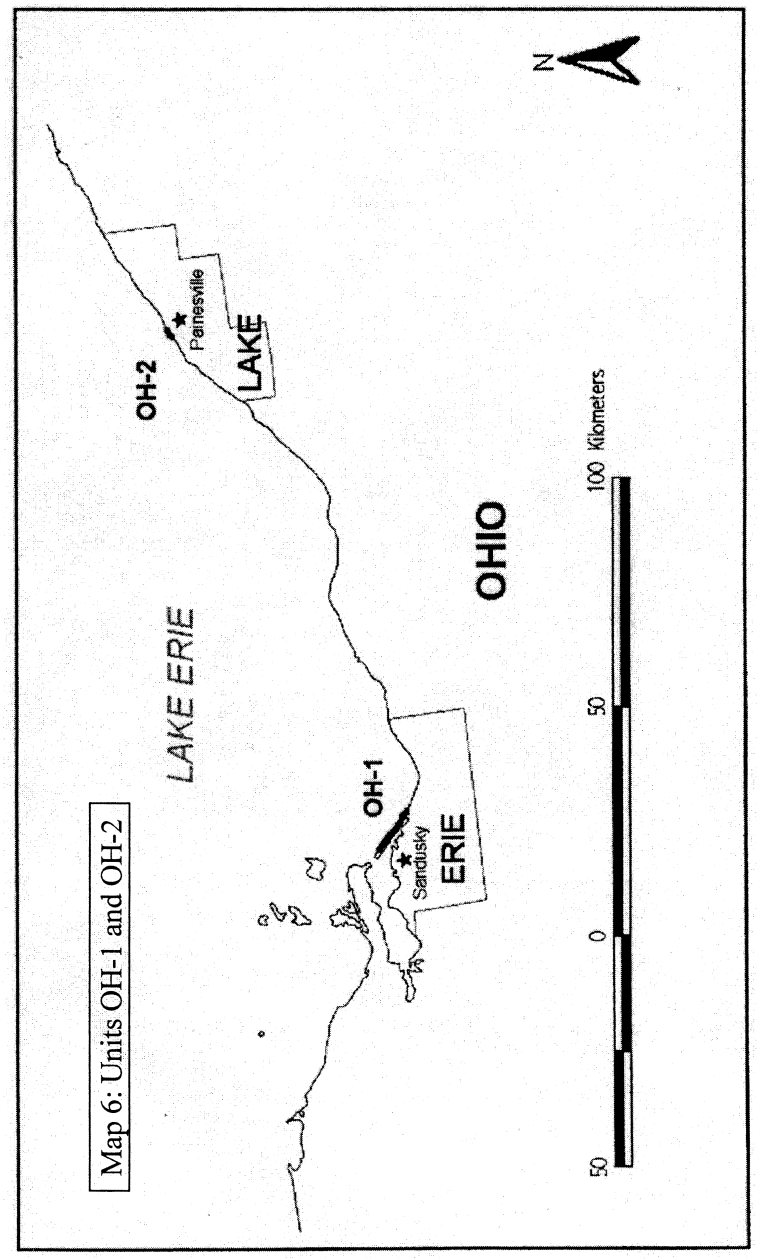


Map of Units OH–1 and OH–2

OH–1: Erie County, Ohio. From USGS 1:24,000 quadrangle maps Huron, Ohio (1969) and Sandusky, Ohio (1969, photorevised 1975). Lands 500 m (1640 ft) inland from normal high water line from the mouth of Sawmill Creek (Huron quad) northwestward along the Lake Erie shoreline to the western property boundary of Sheldon Marsh State Natural Area in T6N R23W (Sandusky quad) at the point where the Cedar Point causeway turns west and south toward Sandusky.

OH–2: Lake County, Ohio. From USGS 1:24,000 quadrangle map Mentor, Ohio (1963, revised 1992). Lands 500 m (1640 ft) inland from normal high water line from the eastern boundary line Headland Dunes Nature Preserve westward along the Lake Erie shoreline to the western boundary of the Nature Preserve and Headland Dunes State Park.

NOTE: Map follows:

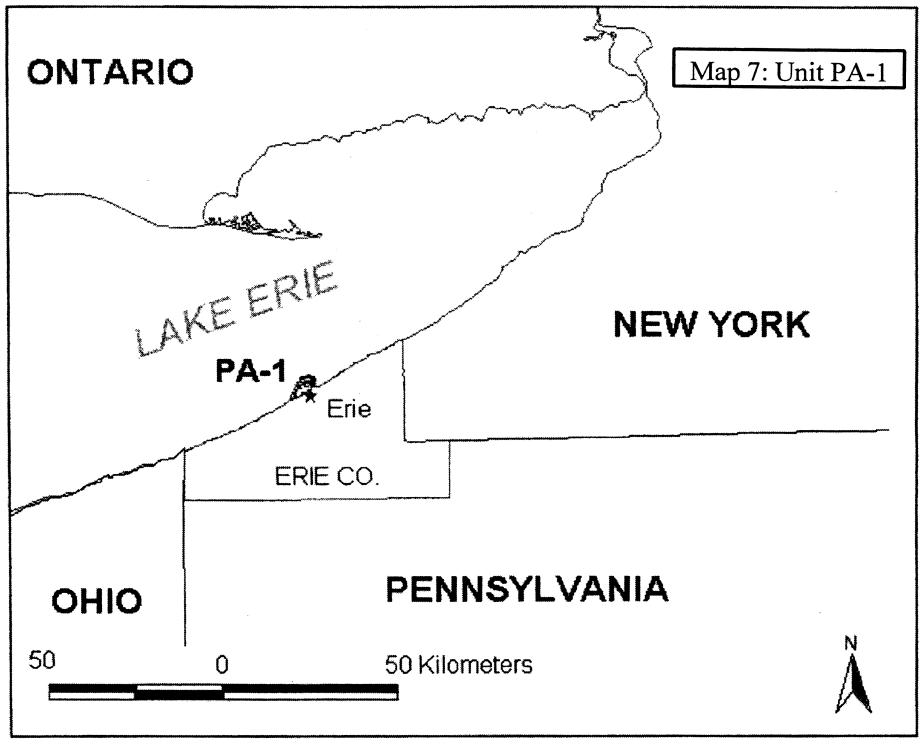


Map of Unit PA–1

PA–1: Erie County, Pennsylvania. From USGS 1:24,000 quadrangle map Erie North, Pennsylvania (1957, revised 1969 and 1975, photoinspected 1977). Lands 500 m (1640 ft) inland from normal high water line from the lighthouse north of Peninsula Drive on the

north side of Presque Isle (located at approximately 042 degrees 09′57.41″ N and 080 degrees 06′57.57″ W) eastward along the Lake Erie shoreline around the tip of Presque Isle peninsula to the southern terminus of the hiking trail on the southeast side of Gull Point (located at approximately 042 degrees 10′3.13″ N and 080 degrees 04′29.56″ W). It includes any new beach habitat that may accrete along the present shoreline portion of the unit.

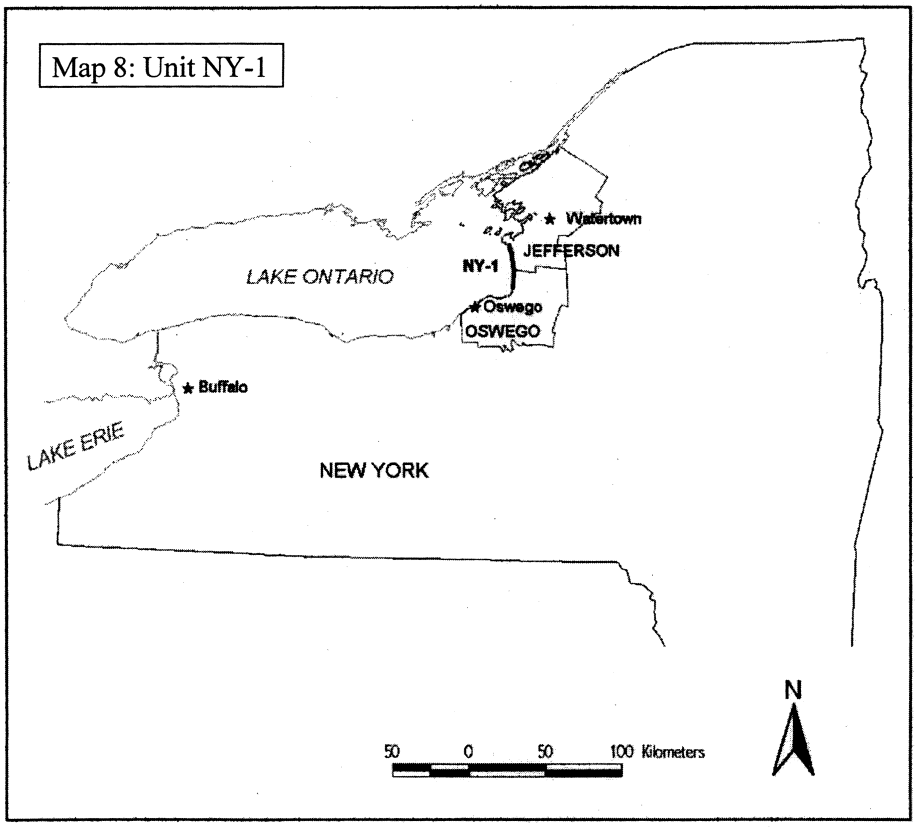
NOTE: Map follows:



Map of Unit NY–1

NY–1: Oswego County, New York. From USGS 1:24,000 quadrangle maps Pulaski, New York (1956), Ellisburg, New York (1958), and Henderson, New York (1959). Lands 500 m (1640 ft) inland from normal high water line from the mouth of the Salmon River (Pulaski quad) northward along the Lake Ontario shoreline to the Oswego County-Jefferson County line (Ellisburg quad) and northward to the Eldorado Road (Henderson quad).

NOTE: Map follows:



PIPING PLOVER (*Charadrius melodus*)
WINTERING HABITAT

1. The primary constituent elements of critical habitat for the wintering population of the piping plover are the habitat components that support foraging, roosting, and sheltering and the physical features necessary for maintaining the natural processes that support these habitat components. The primary constituent elements are:

(1) Intertidal sand beaches (including sand flats) or mud flats (between the mean lower low water line and annual high tide) with no or very sparse emergent vegetation for feeding. In some cases, these flats may be covered or partially covered by a mat of bluegreen algae.

(2) Unvegetated or sparsely vegetated sand, mud, or algal flats above annual high tide for roosting. Such sites may have debris or detritus and may have micro-topographic relief (less than 20 in (50 cm) above substrate surface) offering refuge from high winds and cold weather.

(3) Surf-cast algae for feeding.

(4) Sparsely vegetated backbeach, which is the beach area above mean high tide seaward of the dune line, or in cases where no dunes exist, seaward of a delineating feature such as a vegetation line, structure, or road. Backbeach is used by plovers for roosting and refuge during storms.

(5) Spits, especially sand, running into water for foraging and roosting.

(6) Salterns, or bare sand flats in the center of mangrove ecosystems that are found above mean high water and are only irregularly flushed with sea water.

(7) Unvegetated washover areas with little or no topographic relief for feeding and roosting. Washover areas are formed and maintained by the action of hurricanes, storm surges, or other extreme wave actions.

(8) Natural conditions of sparse vegetation and little or no topographic relief mimicked in artificial habitat types (e.g., dredge spoil sites).

2. Critical habitat does not include manmade structures (such as buildings, aqueducts, runways, roads, and other paved areas) and the land on which they are located existing within the legal boundaries on the effective date of this rule.

3. Below, we describe each unit in terms of its location, size, and ownership. These textual unit descriptions are the definitive source for determining the critical habitat boundaries. The maps provided are for informational purposes only. All distances and areas provided here are approximated.

North Carolina (Data layers defining map units 1, 2, 4, and 5 were created from GPS data collected in the field in May and June of 2005, and modified to fit the 1:100,000 scale North Carolina county boundary with shoreline (cb100sl) data layer from the BasinPro 8 data set published by the North Carolina Center for Geographic Information and Analysis, which was compiled in 1990. Other map units were digitized using 1993 DOQQs, except NC–3 which utilized 1993 DRG.)

UNIT NC–1: OREGON INLET, 485.4 AC (196.4 HA) IN DARE COUNTY, NORTH CAROLINA

This unit extends from the southern portion of Bodie Island through Oregon Inlet to the northern portion of Pea Island. It begins at Ramp 4 near the Oregon Inlet Fishing Center on Bodie Island and extends approximately 4.7 mi (7.6 km) south to the intersection of NC Highway 12 and Salt Flats Wildlife Trail (near Mile Marker 30, NC Highway 12), approximately 2.9 mi (4.8 km) from the groin, on Pea Island. The unit is bounded by the Atlantic Ocean on the east and Pamlico Sound on the west and includes lands from the MLLW (mean lower low water) on the Atlantic Ocean shoreline to the line of stable, densely vegetated dune habitat (which is not used by piping plovers and where PCEs do not occur) and from the MLLW on the Pamlico Sound side to the line of stable, densely vegetated habitat, or (where a line of stable, densely vegetated dune habitat does not exist) lands from MLLW on the Atlantic Ocean shoreline to the MLLW on the Pamlico Sound side. Any emergent sandbars south and west of Oregon Inlet, including Green Island and lands owned by the State of North Carolina, such as island DR–005–05 and DR–005–06, are included (not shown on map). This unit does not include the Oregon Inlet Fishing Center, NC Highway 12 and the Bonner Bridge or its associated structures, the terminal groin, or the historic Pea Island Life-Saving Station, or any of their ancillary facilities (e.g., parking lots, out buildings).

UNIT NC–2: CAPE HATTERAS POINT, 645.8 AC (261.4 HA) IN DARE COUNTY, NORTH CAROLINA

This unit is entirely within Cape Hatteras National Seashore and encompasses the point of Cape Hatteras (Cape Point). The unit extends south approximately 4.5 km (2.8 miles) from the ocean groin near the old location of the Cape Hatteras Lighthouse to the point of Cape Hatteras, and then extends west 7.6 km (4.7 miles) (straight-line distances) along Hatteras Cove shoreline (South Beach) to the edge of Ramp 49 near the Frisco Campground. The unit includes lands from the MLLW on the Atlantic Ocean to the line of stable, densely vegetated dune habitat (which is not used by the piping plover and where PCEs do not occur). This unit does not include the ocean groin.

UNIT NC–3: CLAM SHOALS. 28 HA (70 AC) IN DARE COUNTY

The entire unit is owned by the State. This unit includes several islands in Pamlico Sound known as Bird Islands. This unit includes lands on all islands to the MLLW.

UNIT NC–4: HATTERAS INLET, 410.0 AC (165.9 HA) IN DARE AND HYDE COUNTIES, NORTH CAROLINA

This unit extends from the western end of Hatteras Island to the eastern end of Ocracoke Island. The unit extends approximately 7.6 km (4.7 mi) southwest from the first beach access point at the edge of Ramp 55 at the end of NC Highway 12 near the Graveyard of the Atlantic Museum on the western end of Hatteras Island to the edge of the beach access at the ocean-side parking lot (approximately 0.1 mi south of Ramp 59) on NC Highway 12, approximately 1.25 km (0.78 mi) southwest (straightline distance) of the ferry terminal on the northeastern end of Ocracoke Island. The unit includes lands from the MLLW on the Atlantic Ocean shoreline to the line of stable, densely vegetated dune habitat (which is not used by the piping plover and where PCEs do not occur) and from the MLLW on the Pamlico Sound side to the line of stable, densely vegetated habitat, or (where a line of stable, densely vegetated dune habitat does not exist) lands from MLLW on the Atlantic Ocean shoreline to the MLLW on the Pamlico Sound side. All emergent sandbars within Hatteras Inlet between Hatteras Island and Ocracoke Island, including lands owned by the State of North Carolina such as Island DR–009–03/04 (not shown on map), are included. The unit is adjacent to but does not include the Graveyard of the Atlantic Museum, the ferry terminal, the groin on Ocracoke Island, NC Highway 12, or their ancillary facilities (e.g., parking lots, out buildings).

UNIT NC–5: OCRACOKE ISLAND, 501.8 AC (203.0 HA) IN HYDE COUNTY, NORTH CAROLINA

This unit is entirely within Cape Hatteras National Seashore and includes the western portion of Ocracoke Island beginning at the beach access point at the edge of Ramp 72

(South Point Road), extending west approximately 3.4 km (2.1 mi) to Ocracoke Inlet, and then back east on the Pamlico Sound side to a point where stable, densely-vegetated dune habitat meets the water. This unit includes lands from the MLLW on the Atlantic Ocean shoreline to the line of stable, densely-vegetated dune habitat (which is not used by the piping plover and where PCEs do not occur) and from the MLLW on the Pamlico Sound side to the line of stable, densely vegetated habitat, or (where a line of stable, densely vegetated dune habitat does not exist) lands from MLLW on the Atlantic Ocean shoreline to the MLLW on the Pamlico Sound side. All emergent sandbars within Ocracoke Inlet are also included. This unit does not include any portion of the maintained South Point Road, NC Highway 12, or any of their ancillary facilities.

UNIT NC–6: PORTSMOUTH ISLAND-CAPE LOOKOUT. 3187 HA (7873 AC) IN CARTERET COUNTY

The entire unit is within Cape Lookout National Seashore. This unit includes all land to MLLW on Atlantic Ocean to MLLW on Pamlico Sound, from Ocracoke Inlet extending west to the western end of Pilontary Islands. This unit includes the islands of Casey, Sheep, Evergreen, Portsmouth, Whalebone, Kathryne Jane, and Merkle Hammock. This unit also extends west from the eastern side of Old Drum Inlet to 1.6 km (1.0 mi) west of New Drum Inlet and includes all lands from MLLW on Atlantic Ocean to MLLW on Core Sound.

UNIT NC–7: SOUTH CORE BANKS. 552 HA (1364 AC) IN CARTERET COUNTY

The entire unit is within Cape Lookout National Seashore. This unit extends south from Cape Lookout Lighthouse, along Cape Lookout, to Cape Point and northwest to the northwestern peninsula. All lands from MLLW on the Atlantic Ocean, Onslow Bay, and Lookout Bight up to where densely vegetated habitat, not used by the piping plover, begins and the constituent elements no longer occur are included.

UNIT NC–8: SHACKLEFORD BANKS. 716 HA (1769 AC) IN CARTERET COUNTY

The entire unit is within Cape Lookout National Seashore. This unit is in two parts: (1) The eastern end of Shackleford Banks from MLLW of Barden Inlet extending west 2.4 km (1.5 mi), including Diamond City Hills, Great Marsh Island, and Blinds Hammock; and, (2) The western end of Shackleford Banks from MLLW extending east 3.2 km (2.0 mi) from Beaufort Inlet. The unit includes all land from MLLW to where densely vegetated habitat, not used by the piping plover, begins and where the constituent elements no longer occur and any emergent sandbars within Beaufort Inlet. This unit is bordered by Onslow Bay, Shackleford Slue, and Back Sound.

UNIT NC–9: RACHEL CARSON. 445 HA (1100 AC) IN CARTERET COUNTY

The entire unit is within the Rachel Carson National Estuarine Research Reserve. This unit includes islands south of Beaufort including Horse Island, Carrot Island, and Lennox Point. This unit includes entire islands to MLLW.

UNIT NC–10: BOGUE INLET. 143 HA (354 AC) IN CARTERET AND ONSLOW COUNTIES

The majority of the unit is privately owned, with the remainder falling within Hammocks Beach State Park. This unit includes contiguous land south, west, and north of Bogue Court to MLLW line of Bogue Inlet on the western end of Bogue Banks. It includes the sandy shoals north and adjacent to Bogue Banks and the land on Atlantic Ocean side to MLLW. This unit also extends 1.3 km (0.8 mi) west from MLLW of Bogue Inlet on the eastern portion of Bear Island.

UNIT NC–11: TOPSAIL. 451 HA (1114 AC) IN PENDER COUNTY AND HANOVER COUNTY

The entire area is privately owned. This unit extends southwest from 1.0 km (0.65 mi) northeast of MLLW of New Topsail Inlet on Topsail Island to 0.53 km (0.33 mi) southwest of MLLW of Rich Inlet on Figure Eight Island. It includes both Rich Inlet and New Topsail Inlet and the former Old Topsail Inlet. All land, including emergent sandbars, from MLLW on Atlantic Ocean and sound side to where densely vegetated habitat, not used by the piping plover, begins and where the constituent elements no longer occur. In Topsail Sound, the unit stops as the entrance to tidal creeks become narrow and channelized.

UNIT NC–12: FIGURE EIGHT ISLAND. 134 HA (331 AC) IN NEW HANOVER COUNTY

The majority of the unit is privately owned. This unit extends south from the western end of Beach Road on Figure Eight Island to the northern end of Highway 74 on Wrightsville Beach. The unit includes Mason Inlet and the sand and mudflats northwest of the inlet from MLLW on Atlantic Ocean to where densely vegetated habitat, not used by the piping plover, begins and where the constituent elements no longer occur.

UNIT NC–13: MASONBORO. 61 HA (150 AC) IN NEW HANOVER COUNTY

The entire unit is within the North Carolina National Estuarine Research Reserve. This unit extends 1.1 km (0.70 mi) south from the MLLW of Masonboro Inlet on Masonboro Island. This unit includes all lands along the Atlantic Ocean, Masonboro Inlet, and

Masonboro Sound from MLLW to where densely vegetated habitat, not used by the piping plover, begins and where the constituent elements no longer occur.

UNIT NC–14: CAROLINA BEACH INLET. 374 HA (924 AC) IN NEW HANOVER COUNTY

The majority of the unit is within Myrtle Grove Sound on Masonboro Island and is owned by the North Carolina National Estuarine Research Reserve. It extends 1.80 km (1.12 mi) west along the south shoreline of Wolf Island from the mouth of the Altamaja sound. This unit extends south from 3.2 km (2.0 mi) north of MLLW at Carolina Beach Inlet on Masonboro Island to 1.1 km (0.70 mi) south of MLLW at Carolina Beach Inlet on Carolina Beach. It includes land from MLLW on Atlantic Ocean across and including lands to MLLW on the western side of Masonboro Island, excluding existing dredge spoil piles. Emergent sand bars within Carolina Beach Inlet are also included.

UNIT NC–15: FT. FISHER. 790 HA (1951 AC) IN NEW HANOVER AND BRUNSWICK COUNTIES

This unit is within Ft. Fisher State Recreation Area and Zeke's Island Estuarine Reserve. This unit extends south from Ft. Fisher Islands (from the rocks), south of the ferry terminal, to approximately 0.8 km (0.5 mi) south of MLLW at Corn Cake Inlet on Smith Island. It includes all land (including Zeke's Island) from MLLW on Atlantic Ocean across to MLLW on the eastern side of the Cape Fear River.

UNIT NC–16: LOCKWOOD FOLLY INLET. 36 HA (90 AC) IN BRUNSWICK COUNTY

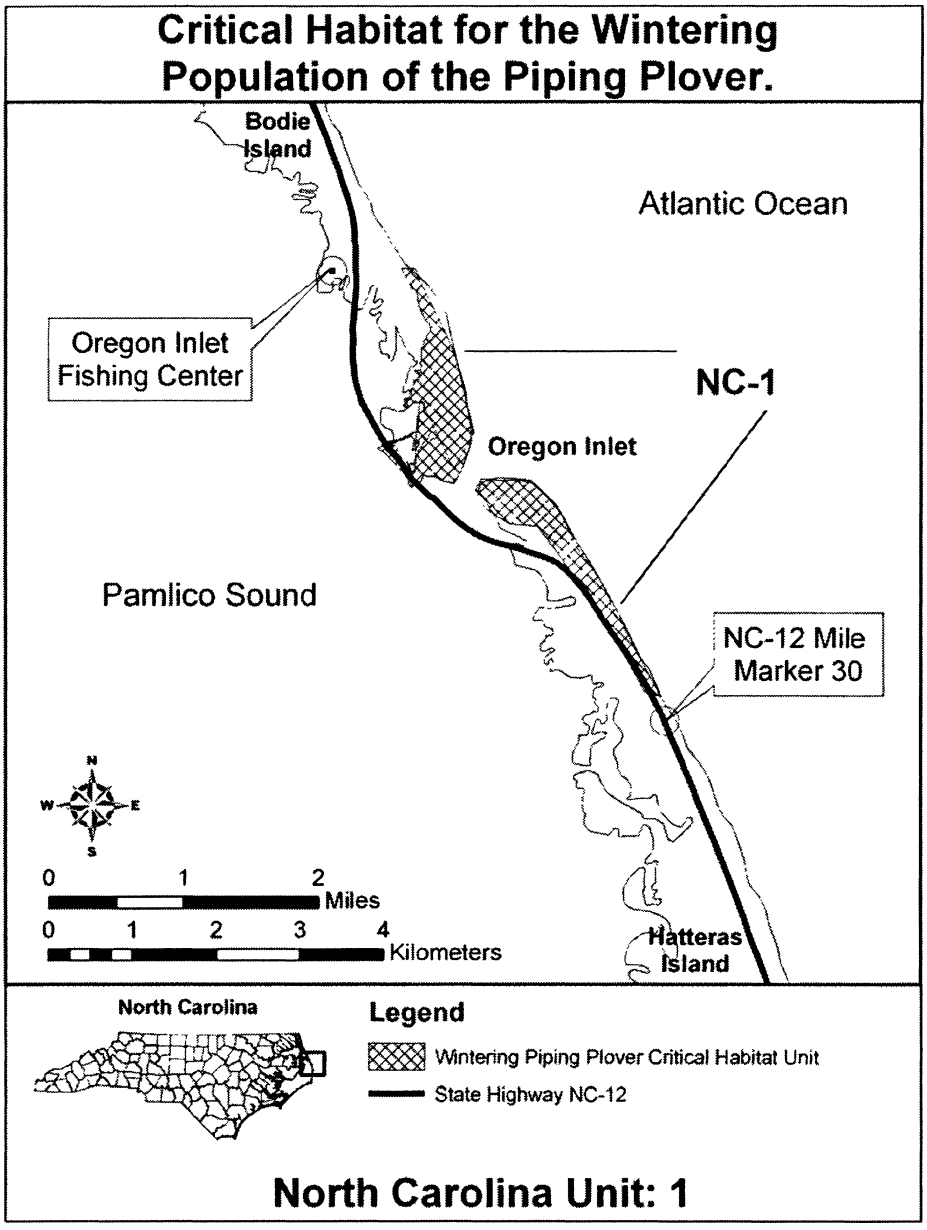
The entire unit is on Oak Island (formerly known as the Town of Long Beach) and is privately owned. This unit extends from the end of West Beach Drive, west to MLLW at Lockwood Folly Inlet, including emergent sandbars south and adjacent to the island. This unit is includes land from MLLW on Atlantic Ocean across to MLLW adjacent to the Eastern Channel and the Intracoastal Waterway.

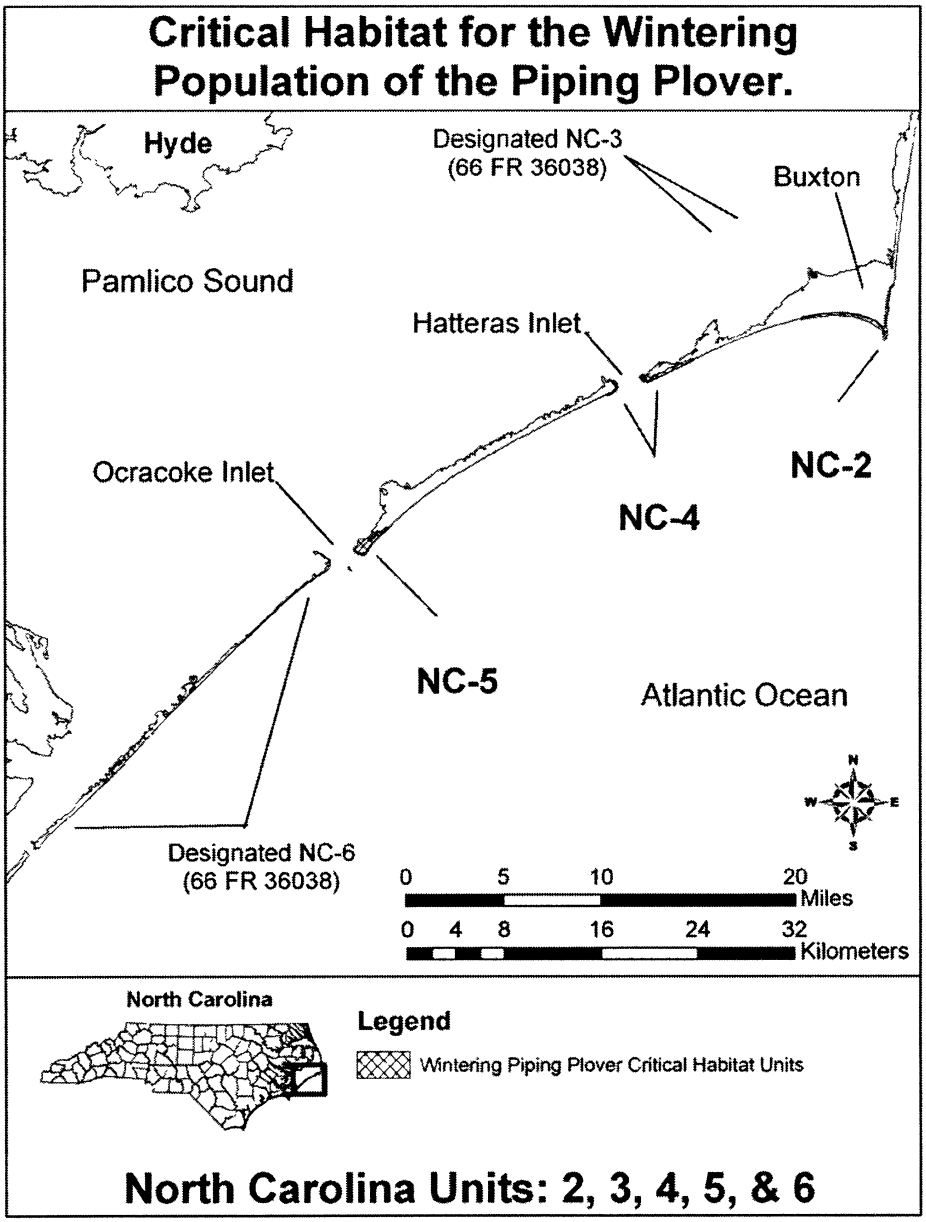
UNIT NC–17: SHALLOTTE INLET. 120 HA (296 AC) IN BRUNSWICK COUNTY

The entire unit is privately owned. This unit begins just west of Skimmer Court on the western end of Holden Beach. It includes land south of SR 1116, to where densely vegetated habitat, not used by the piping plover, begins and where the constituent elements no longer occur to the MLLW along the Atlantic Ocean. It includes the contiguous shoreline from MLLW to where densely vegetated habitat, not used by the piping plover, begins and where the constituent elements no longer occur along the Atlantic Ocean, Shallotte Inlet, and Intracoastal Waterway stopping north of Skimmer Court Road. The unnamed island and emergent sandbars to MLLW within Shallotte Inlet are also included.

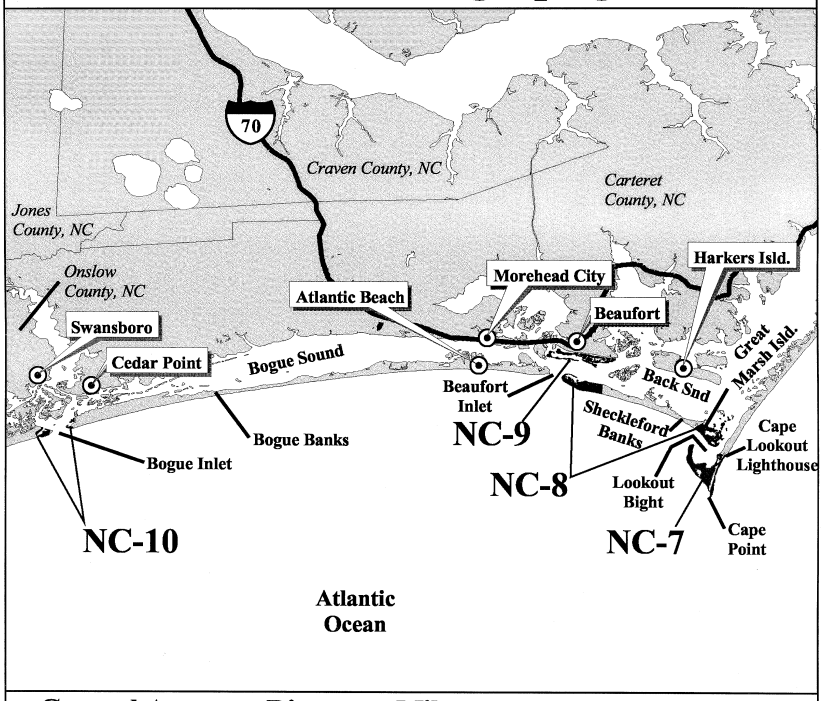
UNIT NC–18: MAD INLET. 112 HA (278 AC) IN BRUNSWICK COUNTY

The entire unit is privately owned. This unit extends west 1.2 km (0.75 mi) from the end of Main Street (SR 1177) on western Sunset Beach to the eastern portion of Bird Island and includes the marsh areas north of western Sunset Beach shoreline. The shoreline area begins at MLLW on the Atlantic Ocean and continues landward to where densely vegetated habitat, not used by the piping plover, begins and where the constituent elements no longer occur.

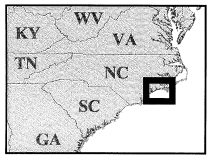

Critical Habitat for the Wintering Population of the Piping Plover.
Bodie Island
Atlantic Ocean
Oregon Inlet Fishing Center
NC-1
Oregon Inlet
Pamlico Sound
NC-12 Mile Marker 30
N
W
E
S
0 1 2
Miles
0 1 2 3 4
Kilometers
Hatteras Island
North Carolina
Legend
Wintering Piping Plover Critical Habitat Unit
State Highway NC-12
North Carolina Unit: 1


Critical Habitat for the Wintering Population of the Piping Plover.
Hyde
Designated NC-3
(66 FR 36038)
Buxton
Pamlico Sound
Hatteras Inlet
NC-2
Ocracoke Inlet
NC-4
NC-5
Atlantic Ocean
N
W
E
S
Designated NC-6
(66 FR 36038)
0 5 10 20
Miles
0 4 8 16 24 32
Kilometers
North Carolina
Legend
Wintering Piping Plover Critical Habitat Units
North Carolina Units: 2, 3, 4, 5, & 6

General locations of the designated critical habitat for the Wintering Piping Plover.



General Area



Distance: Miles

0 6 12

N

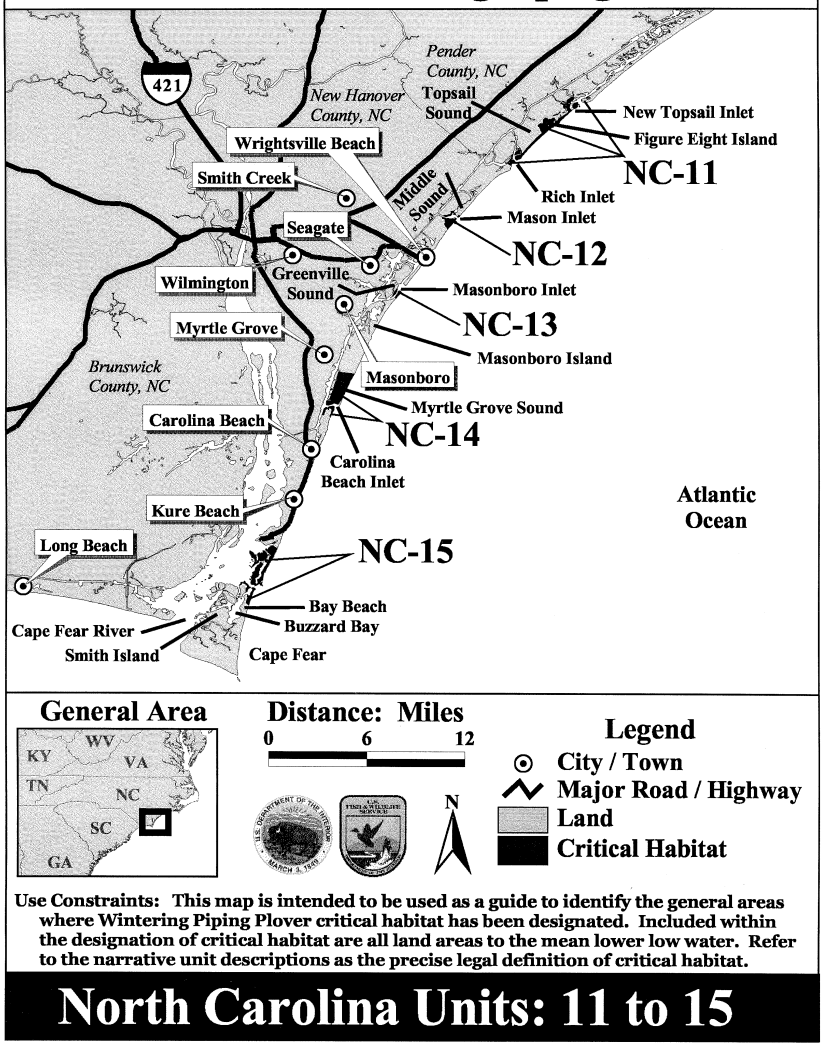
Legend

- City / Town
- Major Road / Highway
- Land
- Critical Habitat

Use Constraints: This map is intended to be used as a guide to identify the general areas where Wintering Piping Plover critical habitat has been designated. Included within the designation of critical habitat are all land areas to the mean lower low water. Refer to the narrative unit descriptions as the precise legal definition of critical habitat.

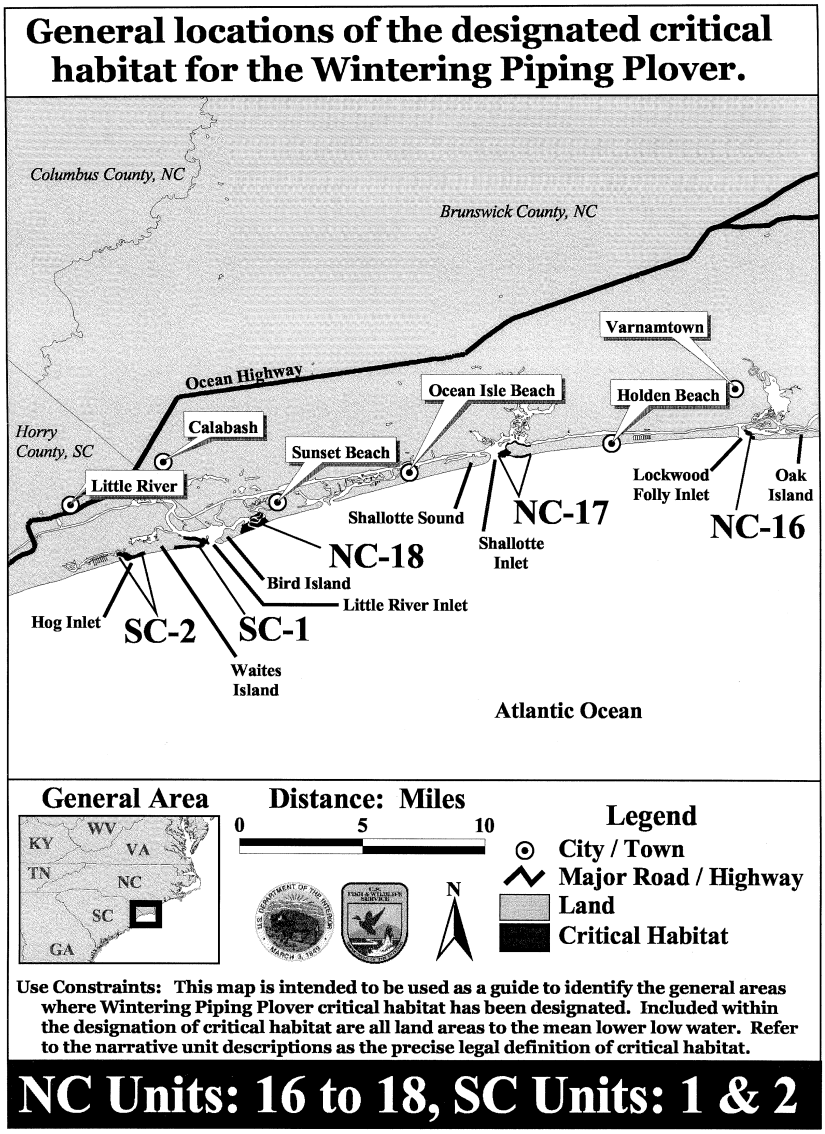
North Carolina Units: 7, 8, 9 and 10

General locations of the designated critical habitat for the Wintering Piping Plover.



Use Constraints: This map is intended to be used as a guide to identify the general areas where Wintering Piping Plover critical habitat has been designated. Included within the designation of critical habitat are all land areas to the mean lower low water. Refer to the narrative unit descriptions as the precise legal definition of critical habitat.

North Carolina Units: 11 to 15



South Carolina (Maps were digitized using 1994 DOQQs)

UNIT SC–1: WAITES ISLAND-NORTH. 75 HA (186 AC) IN HORRY COUNTY

This unit includes the northern tip of Waites Island from the MLLW at Little River Inlet and runs west along the Atlantic Ocean shoreline 2.0 km (1.25 mi) and includes land from the MLLW to where densely vegetated habitat, not used by the piping plover, begins and where the constituent elements no longer occur. The unit continues north and west of Little River Inlet stopping at Sheephead Creek, including land from MLLW to dense vegetation line. The majority of the unit is privately owned.

UNIT SC–2: WAITES ISLAND-SOUTH. 58 HA (142 AC) IN HORRY COUNTY

This unit includes the southern tip of Waites Island from the MLLW at Hog Inlet and runs east along the Atlantic Ocean shoreline 0.80 km (0.50 mi) and includes MLLW to where densely vegetated habitat, not used by the piping plover, begins and where the constituent elements no longer occur. It continues north and west of the Hog Inlet, stopping at the first major tributary. Critical habitat includes from MLLW to where densely vegetated habitat, not used by the piping plover, begins and where the constituent elements no longer occur. Emerging sandbars within Hog Inlet and adjacent to the tip if eastern Cherry Grove Beach are also included from MLLW to where densely vegetated habitat or developed structures, not used by the piping plover, begins and where the constituent elements no longer occur. The majority of this unit is privately owned.

UNIT SC–3: MURRELLS INLET/HUNTINGTON BEACH. 135 HA (334 AC) IN GEORGETOWN COUNTY

The majority of the unit is within Huntington Beach State Park. This unit extends from the southern tip of Garden City Beach, just south of the groins (a rigid structure or structures built out from a shore to protect the shore from erosion or to trap sand) north of Murrells Inlet from MLLW to where densely vegetated habitat or developed structures, not used by the piping plover, begins and where the constituent elements no longer occur stopping perpendicular with the southern end of Inlet Point Drive. It includes from MLLW south of Murrells Inlet to the northern edge of North Litchfield Beach approximately 4.5 km (3.0 mi). The unit includes the MLLW from the Atlantic Ocean up to where densely vegetated habitat, not used by the piping plover, begins and where the constituent elements no longer occur. The lagoon at the north end of Huntington Beach State Park is also included.

UNIT SC–4: LITCHFIELD. 11 HA (28 AC) IN GEORGETOWN COUNTY

This unit includes the southern tip of Litchfield Beach beginning 0.50 km (0.30 mi) north of Midway Inlet and stopping at the MLLW at Midway Inlet. It includes from the MLLW on the Atlantic Ocean shoreline across and including land to the MLLW on the back bayside. This unit is mostly privately owned.

UNIT SC–5: NORTH INLET. 99 HA (245 AC) IN GEORGETOWN COUNTY

The majority of the unit is within Tom Yawley Wildlife Center Heritage Preserve. This unit extends from MLLW to 1.0 km (.62 mi) north of North Inlet on Debidue Beach. It includes shoreline on the Atlantic Ocean from MLLW to the MLLW on the western side of the peninsula. This unit also includes from the MLLW south of North Inlet 1.6 km (1.0 mi). It includes the shoreline on the Atlantic Ocean from MLLW to where densely vegetated habitat, not used by the piping plover, begins and where the constituent elements no longer occur. It includes shoreline running south and west of the inlet from the MLLW stopping at the MLLW at the first large tributary (no name).

UNIT SC–6: NORTH SANTEE BAY INLET. 305 HA (753 AC) IN GEORGETOWN COUNTY

The majority of the unit is within the Tom Yawley Wildlife Center Heritage Preserve and the Santee-Delta Wildlife Management Area. This unit is at the North Santee Bay inlet and includes lands of South Island, Santee Point, Cedar Island, and all of North Santee Sandbar. This unit includes from MLLW at North Santee Bay Inlet running north along the Atlantic Ocean side of South Island 7.2 km (4.5 mi), stopping 0.60 km (0.4 mi) north of an unnamed inlet. It includes areas from MLLW to where densely vegetated habitat, not used by the piping plover, begins and where the constituent elements no longer occur. This unit includes the eastern side of Cedar Island adjacent to the North Santee Bay Inlet from MLLW to where densely vegetated habitat, not used by the piping plover, begins and where the constituent elements no longer occur. All of North Santee Sandbar to MLLW is included.

UNIT SC–7: CAPE ROMAIN. 315 HA (777 AC) IN CHARLESTON COUNTY

The majority of the unit is within Cape Romain National Wildlife Refuge. This unit includes the MLLW to where densely vegetated habitat, not used by the piping plover, begins and where the constituent elements no longer occur on the southern and southeastern most 1.9 km (1.2 mi) portion of Cape Island, the southernmost portion of Lighthouse Island from MLLW to where densely vegetated habitat, not used by the piping plover, begins and where the constituent elements no longer occur, all of Lighthouse Island South to MLLW, and the southern side of the far eastern tip of Raccoon Key from MLLW to where densely vegetated habitat, not used by the piping plover, begins and where the constituent elements no longer occur.

UNIT SC–8: BULL ISLAND. 134 HA (332 AC) IN CHARLESTON COUNTY

The majority of the unit is within Cape Romain National Wildlife Refuge and land owned by the South Carolina Department of Natural Resources. This unit includes from Schooner Creek on north and south of the

river to north of Price's Inlet on the southern portion of Bull Island along the Atlantic Ocean 1.6 km (1.0 mi) and south of Price's Inlet on the northeast tip of Capers Island Heritage Preserve 1.4 km (.86 mi) along the Atlantic Ocean. All areas begin at MLLW and extend to where densely vegetated habitat, not used by the piping plover, begins and where the constituent elements no longer occur.

UNIT SC–9: STONO INLET. 495 HA (1223 AC) IN CHARLESTON COUNTY

Most of this unit is privately owned. It includes the eastern end of Kiawah Island (approximately 4.0 km (2.5 mi)) from MLLW on Atlantic Ocean running north to MLLW on first large tributary connecting east of Bass Creek running northeast into Stono River. It includes MLLW up to where densely vegetated habitat, not used by the piping plover, begins and where the constituent elements no longer occur along Stono Inlet and River. All of Bird Key-Stono Heritage Preserve and all of Skimmer Flats to MLLW are included. The Golf course and densely vegetated areas are not included.

UNIT SC–10: SEABROOK ISLAND. 117 HA (290 AC) IN CHARLESTON COUNTY

This unit runs from just 0.16 km (0.10 mi) north of Captain Sams Inlet to the southwest approximately 3.4 km (2.1 mi) along the Atlantic Ocean shoreline. It includes land areas from the MLLW on the Atlantic Ocean to where densely vegetated habitat, not used by the piping plover, begins and where the constituent elements no longer occur. Most of this unit is privately owned.

UNIT SC–11: DEVEAUX BANK. 130 HA (322 AC) IN CHARLESTON COUNTY

The entire unit is within Deveaux Bank Heritage Preserve. This unit includes all of Deveaux Island to the MLLW and is State-owned.

UNIT SC–12: OTTER ISLAND. 68 HA (169 AC) IN COLLETON COUNTY

The majority of the unit is within St. Helena Sound Heritage Preserve. This unit includes the southern portion of Otter Island to the eastern mouth of Otter Creek. It includes the MLLW to where densely vegetated habitat, not used by the piping plover, begins and where the constituent elements no longer occur. The entire unit is State-owned.

UNIT SC–13: HARBOR ISLAND. 50 HA (122 AC) IN BEAUFORT COUNTY

The majority of the unit is State-owned. This unit extends from the northeastern tip of Harbor Island and includes all of Harbor Spit. It begins at the shoreline east of Cedar Reef Drive running south, stopping at the mouth of Johnson Creek. It includes the MLLW on the Atlantic Ocean and St. Helena Sound to where densely vegetated habitat, not used by the piping plover, begins and where the constituent elements no longer occur. All of Harber Spit to MLLW is included.

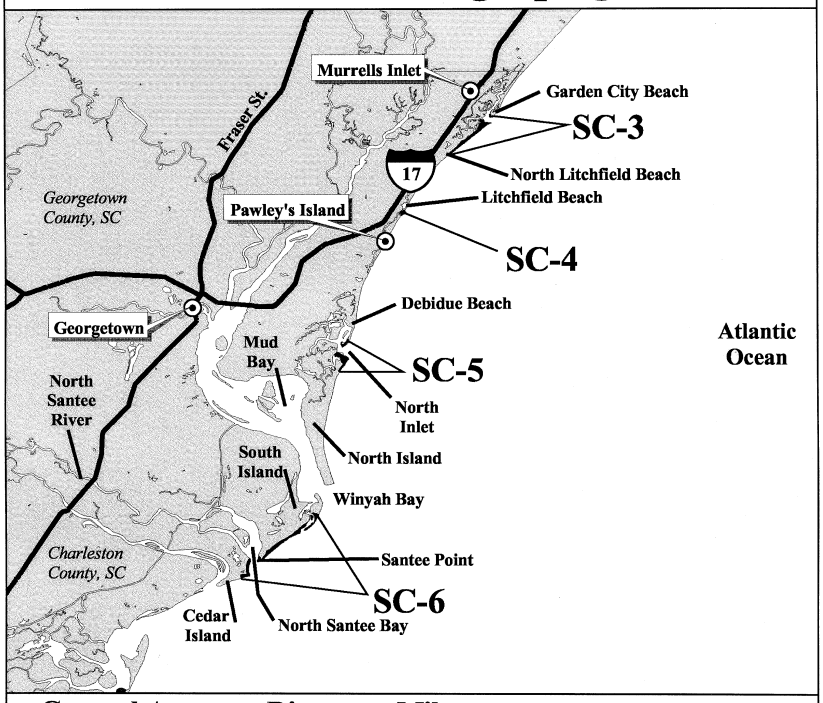
UNIT SC–14: CAPER'S ISLAND. 238 HA (589 AC) IN BEAUFORT COUNTY

Most of this unit is privately owned. This unit includes the southern-most 4.5 km (2.8 mi) along the Atlantic Coast shoreline of Little Caper's Island beginning at MLLW on south side of the inlet (un-named). It includes the MLLW on the Atlantic Ocean shoreline to where densely vegetated habitat, not used by the piping plover, begins and where the constituent elements no longer occur.

UNIT SC–15: HILTON HEAD. 43 HA (106 AC) IN BEAUFORT COUNTY

The majority of this unit is State-owned. This unit includes the northeastern tip (Atlantic Ocean side) of Hilton Head Island and all of Joiner Bank. It begins at the shoreline east of northern Planters Row and ends at the shoreline east of Donax Road. It includes the MLLW of Port Royal Sound and the Atlantic Ocean to where densely vegetated habitat, not used by the piping plover, begins and where the constituent elements no longer occur. All of Joiner Bank to MLLW is included.

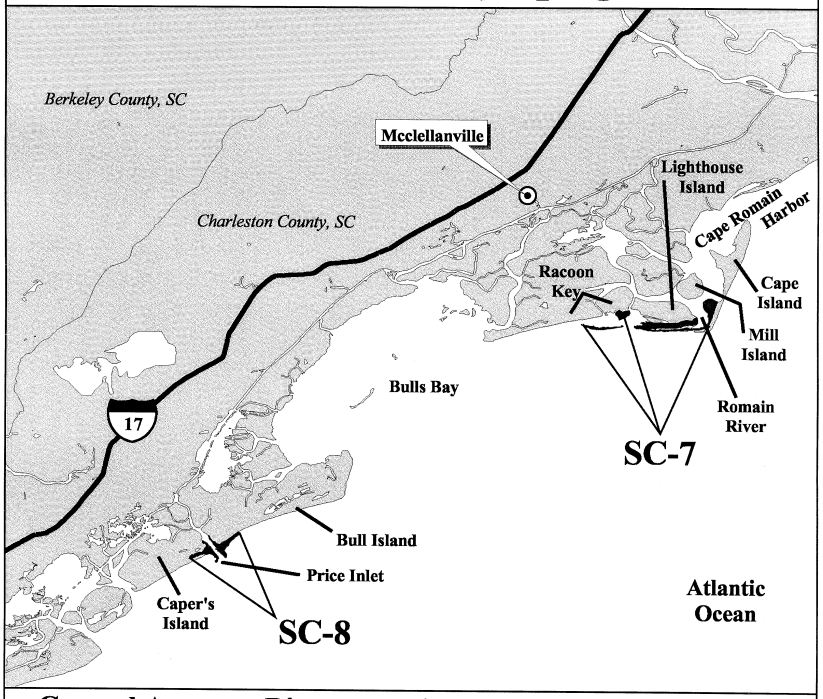
General locations of the designated critical habitat for the Wintering Piping Plover.



Use Constraints: This map is intended to be used as a guide to identify the general areas where Wintering Piping Plover critical habitat has been designated. Included within the designation of critical habitat are all land areas to the mean lower low water. Refer to the narrative unit descriptions as the precise legal definition of critical habitat.

South Carolina Units: 3, 4, 5 and 6

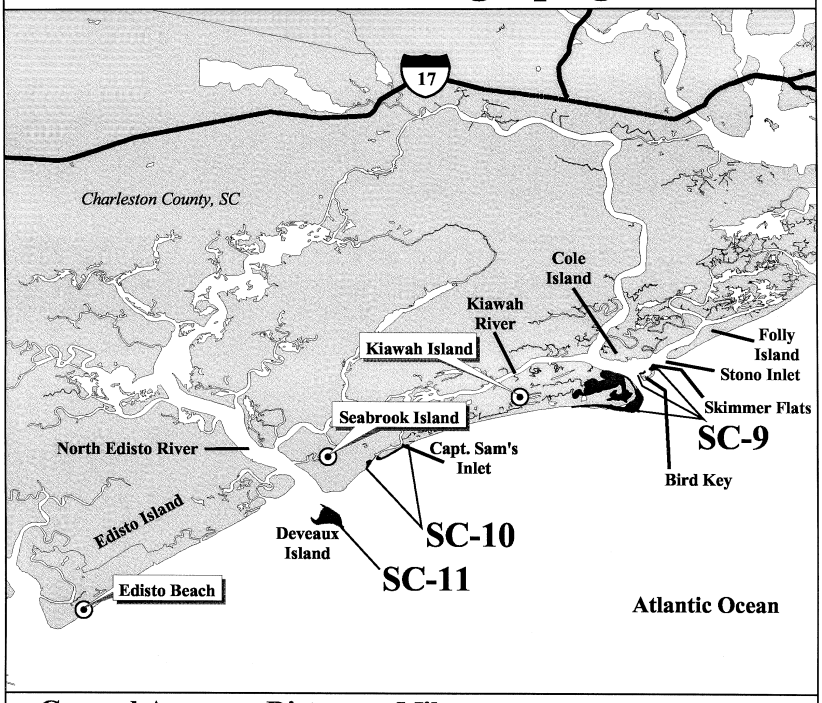
General locations of the designated critical habitat for the Wintering Piping Plover.

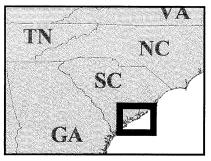


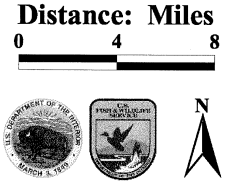
Use Constraints: This map is intended to be used as a guide to identify the general areas where Wintering Piping Plover critical habitat has been designated. Included within the designation of critical habitat are all land areas to the mean lower low water. Refer to the narrative unit descriptions as the precise legal definition of critical habitat.

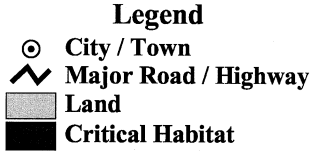
South Carolina Units: 7 and 8

General locations of the designated critical habitat for the Wintering Piping Plover.



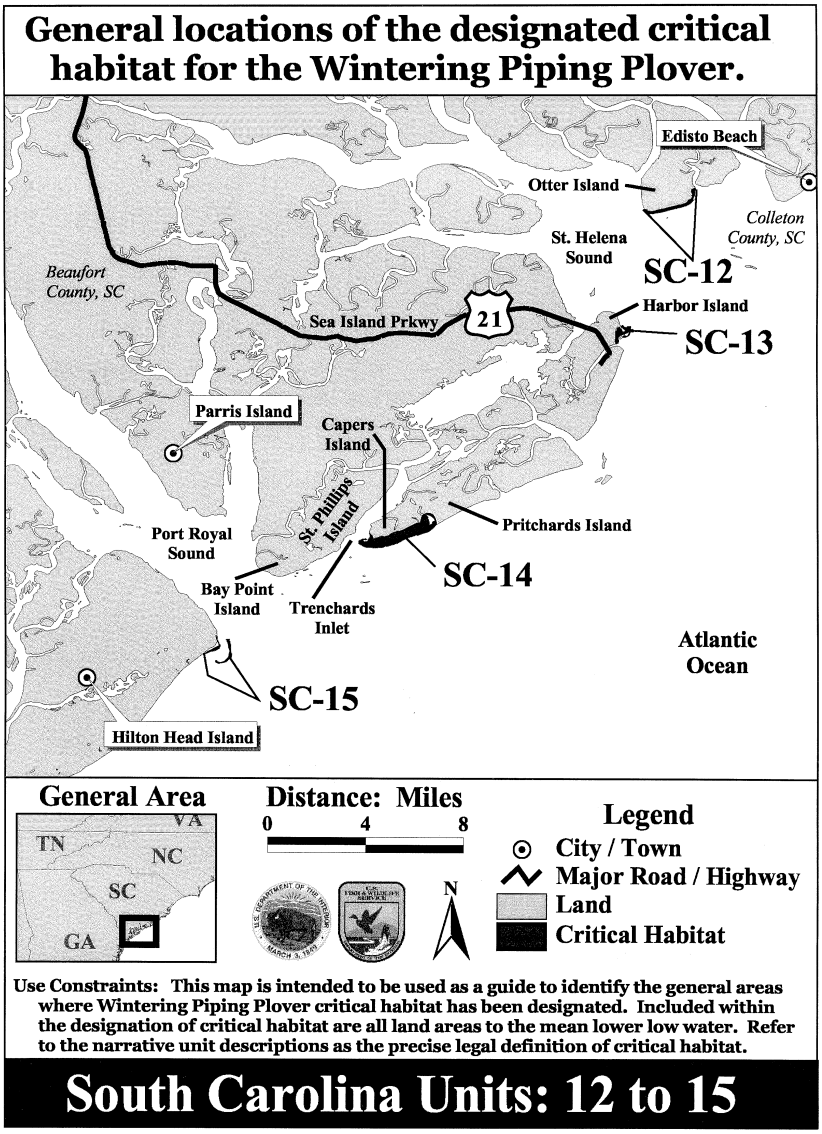






Use Constraints: This map is intended to be used as a guide to identify the general areas where Wintering Piping Plover critical habitat has been designated. Included within the designation of critical habitat are all land areas to the mean lower low water. Refer to the narrative unit descriptions as the precise legal definition of critical habitat.

South Carolina Units: 9, 10 and 11



Georgia (Maps were digitized using 1993–94 DOQQs)

UNIT GA–1: TYBEE ISLAND. 37 HA (91 AC) IN CHATHAM COUNTY

The majority of the unit is privately owned. This unit extends along the northern tip of Tybee Island starting from 0.8 km (0.5 mi) northeast from the intersection of Crab Creek and Highway 80 to 0.7 km (0.41 mi) northeast from the intersection of Highway 80 and Horse Pen Creek. The unit includes MLLW on Savannah River and Atlantic Ocean to where densely vegetated habitat or developed structures, not used by the piping plover, begin and where the constituent elements no longer occur.

UNIT GA–2: LITTLE TYBEE ISLAND. 719 HA (1776 AC) IN CHATHAM COUNTY

The majority of the unit is within Little Tybee Island State Heritage Preserve. This unit extends just south of the first inlet to Wassaw Sound along the Atlantic Ocean coastline, extending north along the sound 1.7 km (1.1 mi). It includes habitat from MLLW to where densely vegetated habitat, not used by the piping plover, begins and where the constituent elements no longer occur.

UNIT GA–3: NORTH WASSAW ISLAND. 108 HA (267 AC) IN CHATHAM COUNTY

The entire unit is within Wassaw National Wildlife Refuge. This unit includes the north-east tip of Wassaw Sound, 1.6 km (1.0 mi) along the inlet side and extending south along the Atlantic Ocean shoreline for 1.6 km (1.0 mi). It includes land from MLLW to where densely vegetated habitat, not used by the piping plover, begins and where the constituent elements no longer occur.

UNIT GA–4: SOUTH WASSAW ISLAND. 61 HA (151 AC) IN CHATHAM COUNTY

The entire unit is within Wassaw National Wildlife Refuge. This unit extends from the last southern 1.6 km (1.0 mi.) on Atlantic Ocean side, around the southern tip of Wassaw Island, up to mouth of Odingsell River. It includes land from MLLW to where densely vegetated habitat, not used by the piping plover, begins and where the constituent elements no longer occur.

UNIT GA–5: OSSABAW ISLAND. 434 HA (1072 AC) IN CHATHAM COUNTY

The entire unit is within Ossabaw Island State Heritage Preserve. This unit includes the northeastern tip from the mouth of the Bradley River east and 12 km (7.5 mi) south along the Atlantic Ocean shoreline to a point 0.4 km (0.25 mi) past the south-center inlet. It includes land from MLLW to where densely vegetated habitat, not used by the piping plover, begins and where the constituent elements no longer occur.

UNIT GA–6: ST. CATHERINE'S ISLAND BAR. 54 HA (135 AC) IN LIBERTY COUNTY

The entire unit is State owned and located east-northeast of St. Catherine's Island. This unit includes the entire St. Catherine's Island Bar to MLLW.

UNIT GA–7: MCQUEEN'S INLET. 215 HA (532 AC) IN LIBERTY COUNTY

The majority of the unit is private land along the eastern-central coastline on St. Catherine's Island. This unit extends from McQueen's Inlet north approximately 3.5 km (2.2 mi) and south approximately 1.8 km (1.1 mi). It includes land from MLLW to where densely vegetated habitat, not used by the piping plover, begins and where the constituent elements no longer occur.

UNIT GA–8: ST. CATHERINE'S ISLAND. 60 HA (147 AC) IN LIBERTY COUNTY

The majority of the unit is private land on the southern tip of St. Catherine's Island. This unit starts 1.2 km (0.75 mi) north of Sapelo Sound (along Atlantic Ocean shoreline) and stops inland at Brunsen Creek. It includes land from MLLW to where densely vegetated habitat, not used by the piping plover, begins and where the constituent elements no longer occur.

UNIT GA–9: BLACKBEARD ISLAND. 129 HA (319 AC) IN MCINTOSH COUNTY

The entire unit is within the Blackbeard Island National Wildlife Refuge. This unit includes the northeastern portion of the island beginning just east of the mouth of the confluence of McCloy Creek and Blackbeard Creek and continuing east and running south along the Atlantic Ocean shoreline for 1.4 km (.90 mi). It includes land from MLLW to where densely vegetated habitat, not used by the piping plover, begins and where the constituent elements no longer occur.

UNIT GA–10: SAPELO ISLAND. 85 HA (210 AC) IN MCINTOSH COUNTY

The entire unit is State-owned and within Sapelo Island. The unit extends south of Cabretta Tip approximately 0.2 km (0.13 mi) and north of Cabretta Tip 1.6 km (1.0 mi). It includes land from MLLW to where densely vegetated habitat, not used by the piping plover, begins and where the constituent elements no longer occur.

UNIT GA–11: WOLF ISLAND. 238 HA (590 AC) IN MCINTOSH COUNTY

The majority of the unit is within Wolf Island National Wildlife Refuge and private lands just north of the Refuge. This unit includes the southeastern tip of Queen's island adjacent to the Doboy Sound and includes the eastern shoreline of Wolf Island. It includes land from MLLW to where densely vegetated habitat, not used by the piping plover, begins and where the constituent elements no longer occur.

UNIT GA–12: EGG ISLAND BAR. 61 HA (151 AC) IN MCINTOSH COUNTY

This unit is State owned and includes all of Egg Island Bar to the MLLW.

UNIT GA–13: LITTLE ST. SIMON'S ISLAND. 609 HA (1505 AC) IN GLYNN COUNTY

The majority of the unit is private land on Little St. Simon's Island. This unit includes the entire eastern coastline along Little St. Simon's Island. It begins 1.1 km (.70 mi) west

of the northeast tip of Little St. Simon's Island and runs east and then south along the Atlantic Ocean shoreline stopping at the minor tributary (no name) on the southeast tip of Little St. Simon's Island north of Hampton Creek. It includes land from MLLW to where densely vegetated habitat, not used by the piping plover, begins and where the constituent elements no longer occur. All of Pelican Spit to MLLW is included when this sand bar is emergent.

UNIT GA–14: SEA/ST. SIMON'S ISLAND. 191 HA (471 AC) IN GLYNN COUNTY

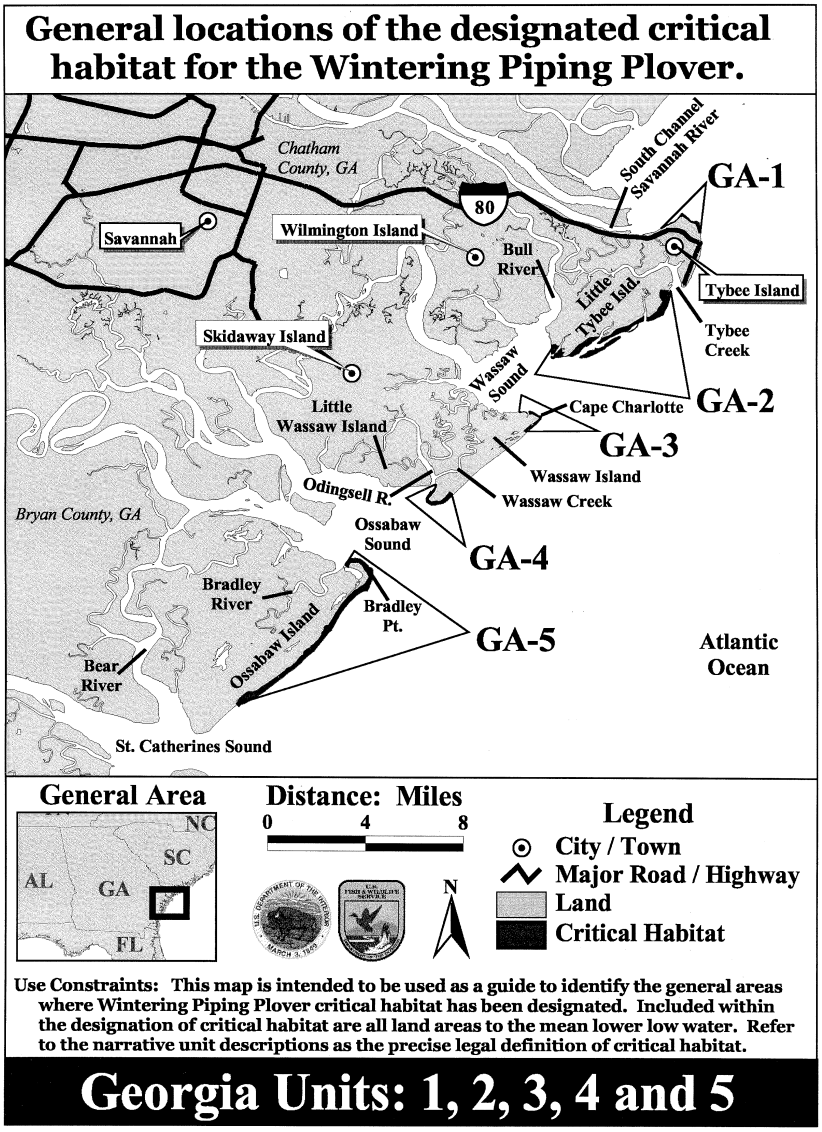
The majority of the unit is private land on the south tip of Sea Island and on the east beach of St. Simons Island. This unit extends north of Gould's Inlet (Sea Island) 2.5 km (1.54 mi) starting just south of the groin and extends south of Gould's Inlet (St. Simons Island) 1.6 km (1.0 mi). It includes land from MLLW to where densely vegetated habitat, not used by the piping plover, begins and where the constituent elements no longer occur.

UNIT GA–15: JEKYLL ISLAND. 49 HA (121 AC) IN GLYNN COUNTY

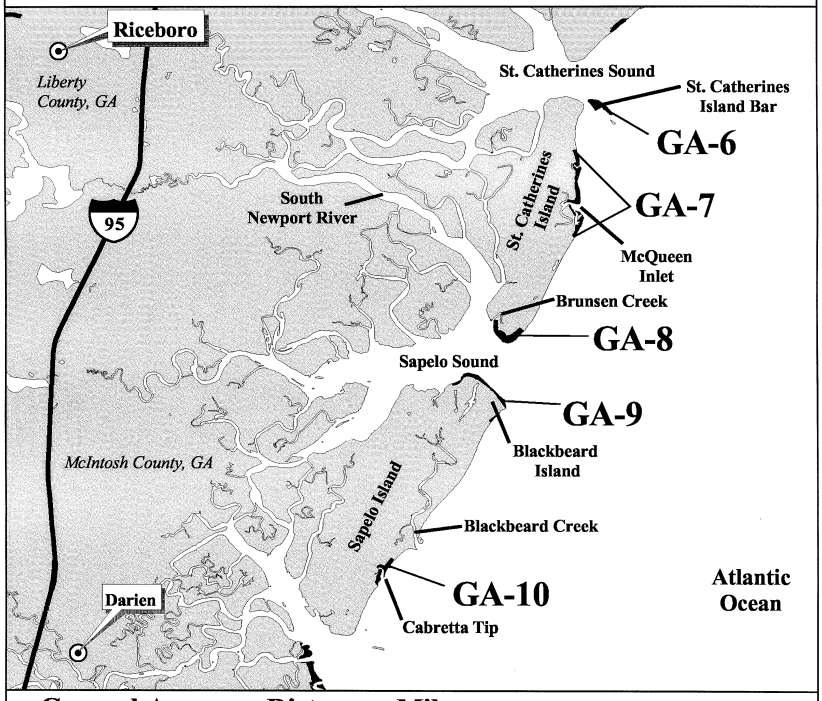
The majority of the unit is within State lands on Jekyll Island. This unit includes the southern region of Jekyll Island beginning at the mouth of Beach Creek, running towards the tip of Jekyll Island and includes the shoreline running north along the Atlantic Ocean shoreline 1.9 km (1.20 mi) from the southern tip of Jekyll Island. It includes land from MLLW to where densely vegetated habitat, not used by the piping plover, begins and where the constituent elements no longer occur.

UNIT GA–16: CUMBERLAND ISLAND. 1454 HA (3591 AC) IN CAMDEN COUNTY

The majority of the unit is along Cumberland Island Wilderness Area and Cumberland Island National Seashore. This unit includes the majority of the eastern Atlantic Ocean shoreline of Cumberland Island. It begins .50 km (.31 mi) north of the inlet at Long Point, continues south along the Atlantic Ocean shoreline stopping 1.8 km (1.1 mi) west of the southern tip of Cumberland Island National Seashore. It includes land from MLLW to where densely vegetated habitat, not used by the piping plover, begins and where the constituent elements no longer occur.


General locations of the designated critical habitat for the Wintering Piping Plover.
Chatham County, GA
Savannah
Wilmington Island
80
South Channel Savannah River
GA-1
Bull River
Little Tybee Isld.
Tybee Island
Tybee Creek
Skidaway Island
Wassaw Sound
Cape Charlotte
GA-2
Little Wassaw Island
GA-3
Wassaw Island
Odingsell R.
Wassaw Creek
Bryan County, GA
Ossabaw Sound
GA-4
Bradley River
Bradley Pt.
GA-5
Ossabaw Island
Bear River
Atlantic Ocean
St. Catherines Sound
General Area
NC
SC
AL
GA
FL
Distance: Miles
0 4 8
N
Legend
City / Town
Major Road / Highway
Land
Critical Habitat
Use Constraints: This map is intended to be used as a guide to identify the general areas where Wintering Piping Plover critical habitat has been designated. Included within the designation of critical habitat are all land areas to the mean lower low water. Refer to the narrative unit descriptions as the precise legal definition of critical habitat.
Georgia Units: 1, 2, 3, 4 and 5

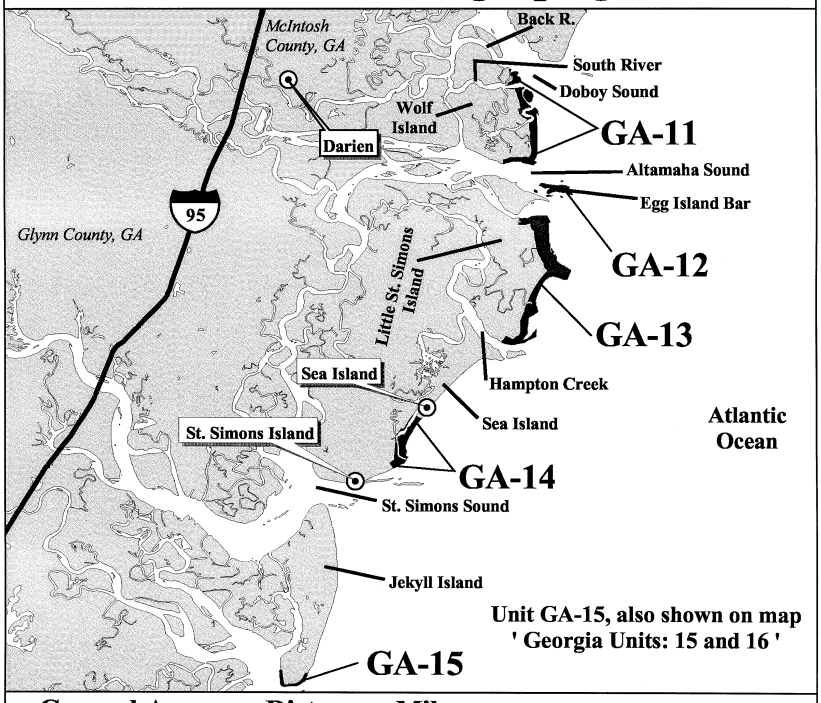
General locations of the designated critical habitat for the Wintering Piping Plover.



Use Constraints: This map is intended to be used as a guide to identify the general areas where Wintering Piping Plover critical habitat has been designated. Included within the designation of critical habitat are all land areas to the mean lower low water. Refer to the narrative unit descriptions as the precise legal definition of critical habitat.

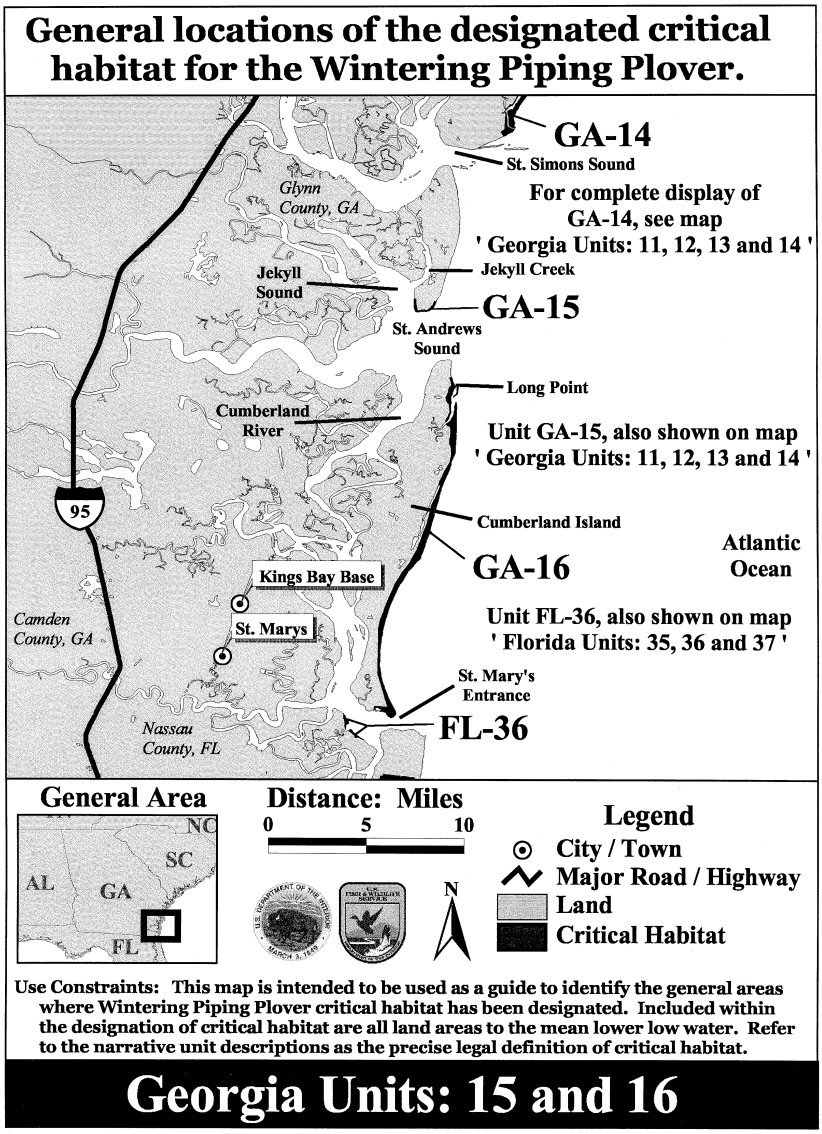
Georgia Units: 6, 7, 8, 9 and 10

General locations of the designated critical habitat for the Wintering Piping Plover.



Use Constraints: This map is intended to be used as a guide to identify the general areas where Wintering Piping Plover critical habitat has been designated. Included within the designation of critical habitat are all land areas to the mean lower low water. Refer to the narrative unit descriptions as the precise legal definition of critical habitat.

Georgia Units: 11, 12, 13 and 14



Florida (Maps were digitized using 1994–95 DOQQs)

UNIT FL–1: BIG LAGOON. 8 HA (19 AC) IN ESCAMBIA COUNTY

The majority of the unit is within Big Lagoon State Recreation Area. This unit includes the peninsula and emerging sand and mudflats between 0.33 km (0.21 mi) west of the lookout tower along the shoreline and 0.24 km (0.15 mi) east of the lookout tower along the shoreline. Land along the shoreline from MLLW to where densely vegetated habitat, not used by the piping plover, begins and where the constituent elements no longer occur. All emerging sandbars to MLLW are included.

UNIT FL–2: BIG SABINE. 182 HA (450 AC) IN ESCAMBIA COUNTY

The majority of the unit is owned by the University of West Florida. This unit includes areas adjacent to Santa Rosa Sound of Big Sabine Point and adjacent embayment between 8.0 km (5.0 mi) and 11.6 (7.2 mi) east of the Bob Sike's Bridge. It begins 0.10 km (.06 mi) north of SR 399 to MLLW on the Santa Rosa Sound.

UNIT FL–3: NAVARRE BEACH. 48 HA (118 AC) IN ESCAMBIA AND SANTA ROSA COUNTIES

The majority of the unit is owned by Eglin Air Force Base and Santa Rosa Island Authority. This unit includes lands on Santa Rosa Island Sound side, between 0.09 and 0.76 mi east of the eastern end of SR 399 to MLLW on Santa Rosa Sound side.

UNIT FL–5: SHELL/CROOKED ISLANDS. 1789 HA (4419 AC) IN BAY COUNTY

The majority of the unit is within Tyndall Air Force Base and St. Andrews State Recreation Area. This unit includes all of Shell Island, Crooked Island West, and Crooked Island East from MLLW to where densely vegetated habitat, not used by the piping plover, begins and where the constituent elements no longer occur.

UNIT FL–6: UPPER ST. JOE PENINSULA. 182 HA (449 AC) IN GULF COUNTY

The majority of the unit is within St. Joseph State Park. This unit includes the northern portion of the peninsula from the tip to 8.0 km (5.0 mi) south along the Gulf of Mexico from MLLW to where densely vegetated habitat, not used by the piping plover, begins and where the constituent elements no longer occur.

UNIT FL–7: CAPE SAN BLAS. 158 HA (390 AC) IN GULF COUNTY

The entire unit is within Eglin Air Force Base. This unit includes the area known as the Cape between the eastern boundary of Eglin and mile marker 2.1, including the peninsula and all emerging sandbars. It includes land from MLLW to where densely vegetated habitat, not used by the piping plover, begins and where the constituent elements no longer occur.

UNIT FL–8: ST. VINCENT ISLAND. 146 HA (361 AC) IN FRANKLIN COUNTY

The majority of the unit is within St. Vincent National Wildlife Refuge. This unit includes the western tip of St. Vincent Island that is adjacent to Indian Pass (0.80 km (0.50 mi) east of tip along Indian Pass, and 1.9 km (1.2 mi) from tip southeast along Gulf of Mexico). The unit also includes St. Vincent Point from the inlet at Sheepshead Bayou east 1.6 km (1.0 mi) to include emerging oysters shoals and sand bars and extends south 0.21 km (0.13 mi) of St. Vincent Point. The unit includes the southeastern tip of St. Vincent Island extending north 1.4 km (0.90 mi) and south and west 2.1 km (1.3 mi). The western tip of Little St. George Island 0.80 km (0.50 mi) from West Pass is included (state owned lands). All sections of this unit include land from MLLW to where densely vegetated habitat, not used by the piping plover, begins and where the constituent elements no longer occur.

UNIT FL–9: EAST ST. GEORGE ISLAND. 1433 HA (3540 AC) IN FRANKLIN COUNTY

The majority of the unit is within St. George State Park. This unit begins 5.3 km (3.3 mi) east of the bridge and extends to East Pass. Shell Point, Rattlesnake Cove, Goose Island, East Cove, Gap Point, and Marsh Island are included. This unit includes land from MLLW to where densely vegetated habitat, not used by the piping plover, begins and where the constituent elements no longer occur on the Gulf of Mexico, East Pass and St. George Sound.

UNIT FL–10: YENT BAYOU. 153 HA (378 AC) IN FRANKLIN COUNTY

The majority of the unit is State owned. This unit is adjacent to the area known as Royal Bluff. It includes the St. George Sound shoreline between 5.9 km (3.7 mi) and 9.5 km (5.9mi) east of SR 65. It includes from MLLW to where densely vegetated habitat or developed structures such as SR 65, not used by the piping plover, begin and where the constituent elements no longer occur.

UNIT FL–11: CARABELLE BEACH. 56 HA (139 AC) IN FRANKLIN COUNTY

The area within this unit is privately owned. This unit is the peninsula created by Boggy Jordan Bayou. It includes St. George Sound shoreline (south of US 98) 1.6 km (1.0 mi) southwest along US 98 from the Carrabelle River Bridge and extends 1.9 km (1.2 mi) east along the St. George Sound shoreline. It includes from MLLW to where densely vegetated habitat or developed structures such as US 98, not used by the piping plover, begin and where the constituent elements no longer occur.

UNIT FL–12: LANARK REEF. 260 HA (643 AC) IN FRANKLIN COUNTY

The entire unit is State owned. This unit includes the entire island and emerging sandbars to MLLW.

UNIT FL–13: PHIPPS PRESERVE. 42 HA (104 AC) IN FRANKLIN COUNTY

This unit includes all of Phipps Preserve (owned by The Nature Conservancy) and any emerging sandbars from MLLW to where densely vegetated habitat, not used by the

piping plover, begins and where the constituent elements no longer occur.

UNIT FL–14: HAGENS COVE. 486 HA (1200 AC) IN TAYLOR COUNTY

The majority of the unit is within Big Bend Wildlife Management Area. This unit includes all of Hagens Cove and extends from MLLW on north side of Sponge Point to MLLW on south side of Piney Point. The eastern boundary of this unit ends (0.20 mi) west of SR 361. It includes from MLLW to where densely vegetated habitat, not used by the piping plover, begins and where the constituent elements no longer occur.

UNIT FL–15: ANCLOTE KEY AND NORTH ANCLOTE BAR. 146 HA (360 AC) IN PASCO AND PINELLAS COUNTIES

The majority of the unit is within Anclote Key State Preserve. This unit includes all of North Anclote Bar to the MLLW and the north, south and western sides of Anclote Key from MLLW to where densely vegetated habitat, not used by the piping plover, begins and where the constituent elements no longer occur.

UNIT FL–16: THREE ROOKER BAR ISLAND. 76 HA (188 AC) IN PINELLAS COUNTY

The majority of the unit is within Pinellas County Aquatic Preserve. This unit includes all the islands and emerging sandbars of this complex to MLLW.

UNIT FL–17: NORTH HONEYMOON ISLAND. 45 HA (112 AC) IN PINELLAS COUNTY

The majority of the unit is within Honeymoon Island State Recreation Area. This unit includes from Pelican Cove north to the far northern tip of Honeymoon Island. It includes the western shoreline from MLLW to where densely vegetated habitat, not used by the piping plover, begins and where the constituent elements no longer occur or the MLLW on the eastern shoreline.

UNIT FL–18: SOUTH HONEYMOON ISLAND. 28 HA (70 AC) IN PINELLAS COUNTY

The majority of the unit is private land. This unit includes the southern end (southern-most 0.32 km (0.20 mi) on western side) of Honeymoon Island and encompasses the far southeastern tip and includes any emerging islands or sandbars to Hurricane Pass. It includes from MLLW to where densely vegetated habitat, not used by the piping plover, begins and where the constituent elements no longer occur.

UNIT FL–19: CALADESI ISLAND. 120 HA (296 AC) IN PINELLAS COUNTY

The majority of the unit is within Caladesi Island State Park. This unit extends from Hurricane Pass to Dunedin Pass on the Gulf of Mexico side. It includes from MLLW to where densely vegetated habitat, not used by the piping plover, begins and where the constituent elements no longer occur.

UNIT FL–20: SHELL KEY AND MULLET KEY. 190 HA (470 AC) IN PINELLAS COUNTY

The majority of the unit is within Fort Desoto Park. This unit includes the Shell Key island complex. It also includes the northwest portion of Mullet Key including the western shorelines from Bunces Pass extending south, stopping 1.4 km (.86 mi) north of Ft. Desoto County Park pier. It includes from MLLW to where densely vegetated habitat or developed structures, not used by the piping plover, begin and where the constituent elements no longer occur.

UNIT FL–21: EGMONT KEY. 153 HA (377 AC) HILLSBOROUGH COUNTY

The majority of the unit is within Egmont Key National Wildlife Refuge. This unit includes the entire island to MLLW.

UNIT FL–22: CAYO COSTA. 175 HA (432 AC) IN LEE COUNTY

The majority of the unit, including its northern and southern boundaries, is within Cayo Costa State Park, and nearly all of the remaining area is in the Cayo Costa Florida Conservation and Recreation Lands (CARL) acquisition project. This unit begins at the northern limit of sandy beaches at the northern end of the island, extends through Murdock Point, which at present has a sandbar and lagoon system, and ends at the former entrance to Murdock Bayou. It includes land from MLLW to where densely vegetated habitat, not used by the piping plover, begins and where the constituent elements no longer occur.

UNIT FL–23: NORTH CAPTIVA ISLAND. 36 HA (88 AC) IN LEE COUNTY

The unit is within the Cayo Costa CARL land purchase project. This unit includes the western shoreline extending from 0.80 km (0.50 mi) south of Captiva Pass to approximately Foster Bay. It includes land from MLLW to where densely vegetated habitat, not used by the piping plover, begins and where the constituent elements no longer occur.

UNIT FL–25: BUNCHE BEACH. 187 HA (461 AC) IN LEE COUNTY

This unit is mostly within a CARL Estero Bay acquisition project. Bunche Beach (also spelled Bunch) lies along San Carlos Bay, on the mainland between Sanibel Island and Estero Island (Fort Myers Beach), extending east from the Sanibel Causeway past the end of John Morris Road to a canal serving a residential subdivision. The unit also includes the western tip of Estero Island (Bodwitch

Point, also spelled Bowditch Point), including Bowditch Regional Park, operated by Lee County and, on the southwest side of the island facing the Gulf, the beach south nearly to the northwesterly intersection of Estero Boulevard and Carlos Circle. It includes land from MLLW to where densely vegetated habitat or developed structures, not used by the piping plover, begin and where the constituent elements no longer occur or, along the developed portion of Estero Island.

UNIT FL–26: ESTERO ISLAND. 86 HA (211 AC) IN LEE COUNTY

The majority of the unit is privately owned. The unit consists of approximately the southern third of the island's Gulf-facing shoreline starting near Avenida Pescadora to near Redfish Road. The unit excludes south-facing shoreline at the south end of the island that faces Big Carlos Pass rather than the Gulf. It includes land from MLLW to where densely vegetated habitat (including grass or lawns) or developed structures, not used by the piping plover, begin and where the constituent elements no longer occur.

UNIT FL–27: MARCO ISLAND. 245 HA (606 AC) IN COLLIER COUNTY

Most of the unit is at the Tigertail Beach County Park. The unit's northern border is on the north side of Big Marco Pass, including Coconut Island and all emerging sand bars. On the south side of Big Marco Pass, the boundary starts at the north boundary of Tigertail Beach County Park and extends to just south of the fourth condominium tower south of the County Park. The placement of the southern boundary assures that the unit includes all of Sand Dollar Island, the changeable sandbar off Tigertail Beach. The western boundary includes all the sand bars in Big Marco Pass but excludes Hideaway Beach. It includes land from MLLW to where densely vegetated habitat (including grass or lawns) or developed structures, not used by the piping plover, begin and where the constituent elements no longer occur.

UNIT FL–28: MARQUESAS KEYS. 2937 HA (7256 AC) IN MONROE COUNTY

The unit comprises the roughly circular atoll that encloses Mooney Harbor, including Gull Keys and Mooney Harbor Key. The entire unit is within Key West National Wildlife Refuge. It includes land from MLLW to where densely vegetated habitat, not used by the piping plover, begins and where the constituent elements no longer occur.

UNIT FL–29: BOCA GRANDE/WOMAN/BALLAST KEYS. 56 HA (138 AC) IN MONROE COUNTY

These Keys are east of the Marquesas Keys and west of Key West. Boca Grande and Woman Keys are within Key West National Wildlife Refuge. Ballast Key is privately owned. This unit consists only of sandy beaches and flats between the MLLW and to where densely vegetated habitat or developed structures, not used by the piping plover, begin and where the constituent elements no longer occur.

UNIT FL–30: BAHIA HONDA/OHIO KEYS. 372 HA (918 AC) IN MONROE COUNTY

This unit comprises Bahia Honda Key (including a small island off its southwest shore), which is almost entirely owned by Bahia Honda State Park, plus Ohio Key, which is privately owned. It includes land from MLLW to where densely vegetated habitat (including grass or lawns) or developed structures, not used by the piping plover, begin and where the constituent elements no longer occur.

UNIT FL–31: LOWER MATECUMBE KEY. 19 HA (48 AC) IN MONROE COUNTY

Part of the unit is at Anne's Beach park, an Islamorada village park. The remaining parts are at Sunset Drive (Lower Matecumbe Beach) and at Costa Bravo Drive (Port Antiqua Homeowners Beach) on the Florida Bay side of the island. It includes land from MLLW to where densely vegetated habitat (including grass or lawns) or developed structures, not used by the piping plover, begin and where the constituent elements no longer occur.

UNIT FL–32: SANDY KEY/CARL ROSS KEY. 67 HA (165 AC) IN MONROE COUNTY

This unit consists of two adjoining islands in Florida Bay, roughly south of Flamingo in Everglades National Park. The entire area is owned and managed by the National Park Service. It includes land from MLLW to where densely vegetated habitat (including grass or lawns) or developed structures, not used by the piping plover, begin and where the constituent elements no longer occur.

UNIT FL–33: ST. LUCIE INLET. 114 HA (282 AC) IN MARTIN COUNTY

The unit includes a small area south of the jetty on the north shore of St. Lucie Inlet, from the jetty west 0.42 km (0.26 mi). While the two sides of the inlet are privately owned, the great majority of the unit is on public land in the Saint Lucie Inlet State Preserve, administered by Jonathan Dickinson State Park. It begins on the sandy shoreline south of Saint Lucie Inlet and extends along the Atlantic Ocean shoreline 2.6 km (1.6 mi). It includes land from MLLW to where densely vegetated habitat (including grass or lawns) or developed structures, not used by the piping plover, begin and where the constituent elements no longer occur. The unit does not include sandbars within the inlet.

UNIT FL–34: PONCE DE LEON INLET. 68 HA (168 AC) IN VOLUSIA COUNTY

The majority of the unit is within Smyrna Dunes Park and Lighthouse Point Park. This unit includes shoreline extending from the jetty north of Ponce de Leon Inlet west to the Halifax River and Inlet junction. It includes shoreline south of Ponce de Leon Inlet from the inlet and Halifax River junction, extending east and south along the Atlantic Ocean shoreline 1.2 km (.70 mi). It includes land from MLLW to where densely vegetated habitat (including grass or lawns) or developed structures, not used by the piping plover, begin and where the constituent elements no longer occur.

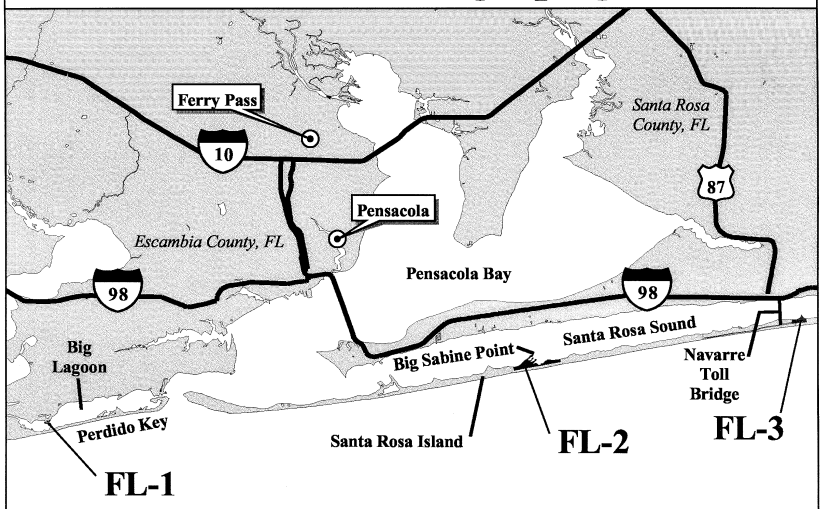
UNIT FL–35: NASSAU SOUND-HUGUENOT. 950 HA (2347 AC) IN DUVAL COUNTY

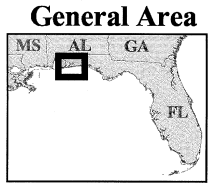
The majority of the unit is within Big Talbot Island State Park, Little Talbot Island State Park, and the Timucuan Ecological and Historical Preserve. This unit includes all emergent shoals and shoreline east of Nassau River bridge and extends to the inlet of the St. John's River. Amelia Island and the northern 2.7 km (1.7 mi) shoreline along Talbot Island are not included. It includes land from MLLW to where densely vegetated habitat (including grass or lawns) or developed structures, not used by the piping plover, begin and where the constituent elements no longer occur.

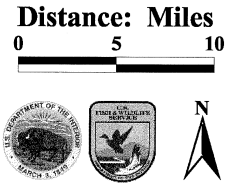
UNIT FL–36: TIGER ISLANDS. 53 HA (130 AC) IN NASSAU COUNTY

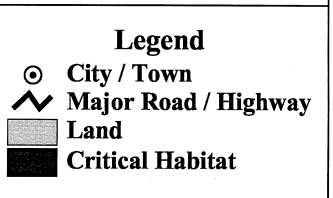
This unit is privately owned. This unit extends from the mouth of Tiger Creek and runs north along Tiger Island 0.8 km (0.5 mi) and south along Little Tiger Island 1.4 km (0.9 mi). It includes land from MLLW to where densely vegetated habitat (including grass or lawns) or developed structures, not used by the piping plover, begin and where the constituent elements no longer occur. Emerging sandbars to MLLW are also included.

General locations of the designated critical habitat for the Wintering Piping Plover.



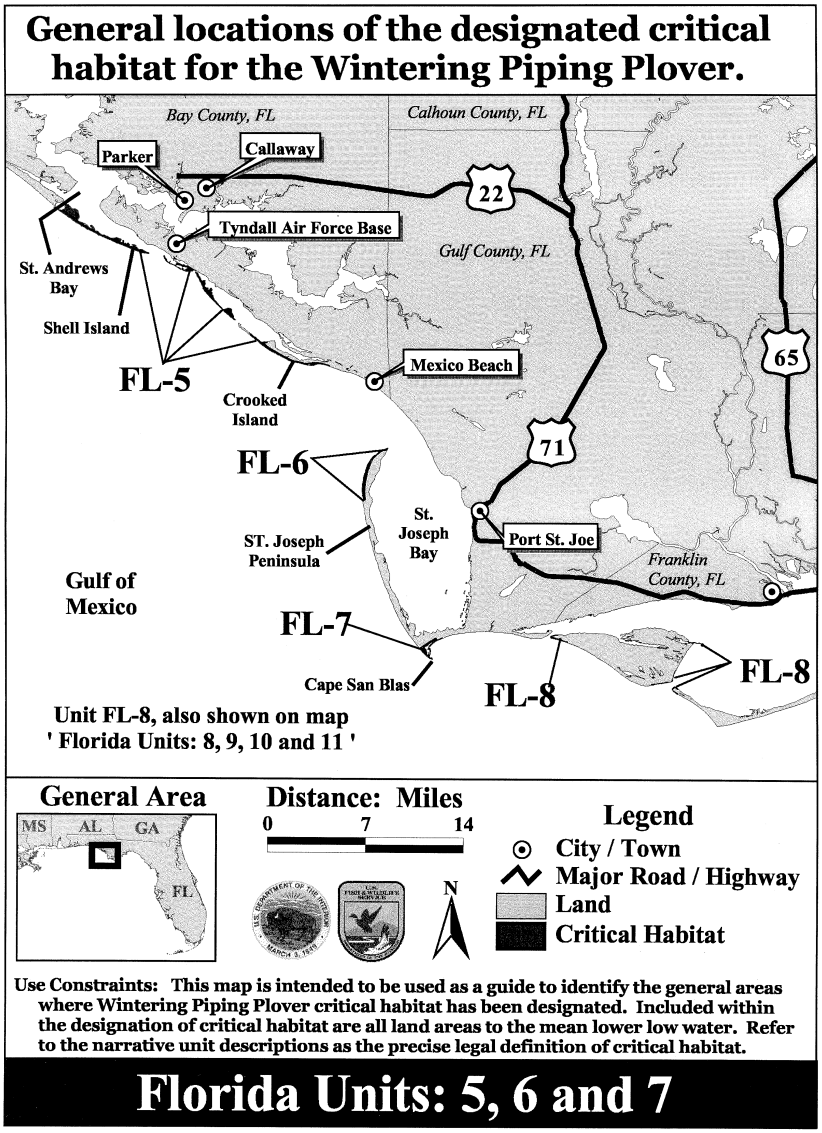




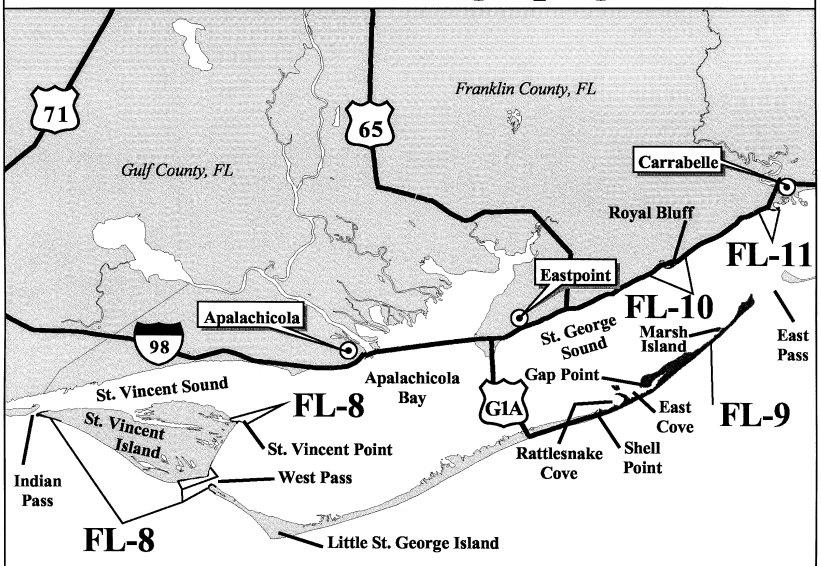


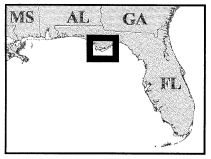
Use Constraints: This map is intended to be used as a guide to identify the general areas where Wintering Piping Plover critical habitat has been designated. Included within the designation of critical habitat are all land areas to the mean lower low water. Refer to the narrative unit descriptions as the precise legal definition of critical habitat.

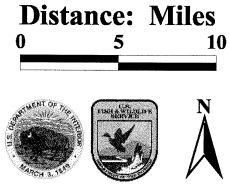
Florida Units: 1, 2 and 3

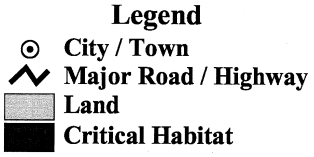

General locations of the designated critical habitat for the Wintering Piping Plover.
Bay County, FL
Calhoun County, FL
Parker
Callaway
22
Tyndall Air Force Base
Gulf County, FL
St. Andrews Bay
Shell Island
FL-5
Crooked Island
Mexico Beach
65
71
FL-6
St. Joseph Bay
ST. Joseph Peninsula
Port St. Joe
Franklin County, FL
Gulf of Mexico
FL-7
Cape San Blas
FL-8
FL-8
Unit FL-8, also shown on map ' Florida Units: 8, 9, 10 and 11 '
General Area
MS
AL
GA
FL
Distance: Miles
0
7
14
N
Legend
City / Town
Major Road / Highway
Land
Critical Habitat
Use Constraints: This map is intended to be used as a guide to identify the general areas where Wintering Piping Plover critical habitat has been designated. Included within the designation of critical habitat are all land areas to the mean lower low water. Refer to the narrative unit descriptions as the precise legal definition of critical habitat.
Florida Units: 5, 6 and 7

General locations of the designated critical habitat for the Wintering Piping Plover.



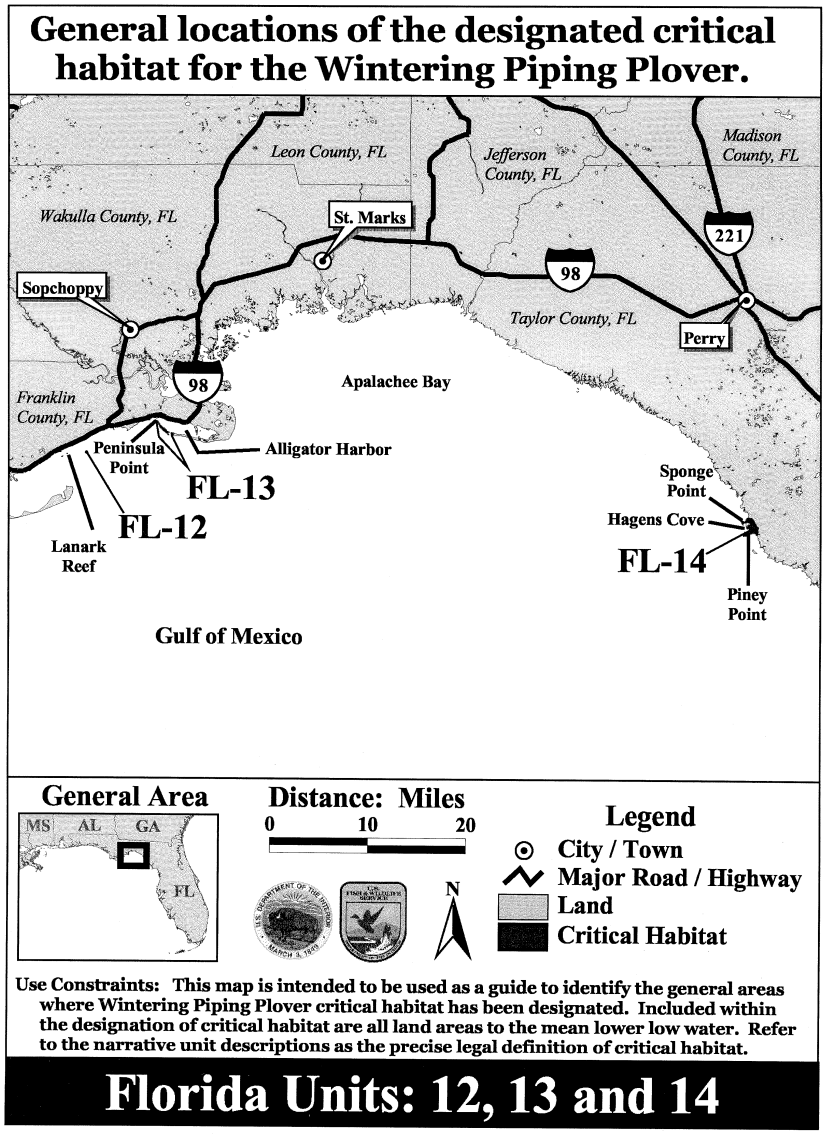




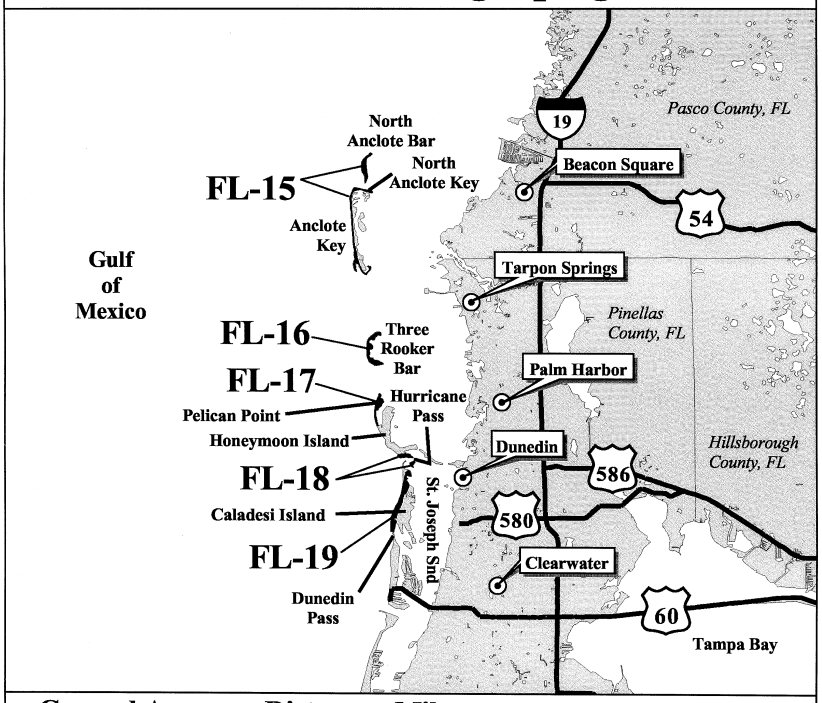


Use Constraints: This map is intended to be used as a guide to identify the general areas where Wintering Piping Plover critical habitat has been designated. Included within the designation of critical habitat are all land areas to the mean lower low water. Refer to the narrative unit descriptions as the precise legal definition of critical habitat.

Florida Units: 8, 9, 10 and 11


General locations of the designated critical habitat for the Wintering Piping Plover.
Leon County, FL
Jefferson County, FL
Madison County, FL
Wakulla County, FL
St. Marks
221
98
Sopchoppy
Taylor County, FL
Perry
98
Apalachee Bay
Franklin County, FL
Peninsula Point
Alligator Harbor
FL-13
FL-12
Lanark Reef
Sponge Point
Hagens Cove
FL-14
Piney Point
Gulf of Mexico
General Area
MS AL GA FL
Distance: Miles
0 10 20
N
Legend
City / Town
Major Road / Highway
Land
Critical Habitat
Use Constraints: This map is intended to be used as a guide to identify the general areas where Wintering Piping Plover critical habitat has been designated. Included within the designation of critical habitat are all land areas to the mean lower low water. Refer to the narrative unit descriptions as the precise legal definition of critical habitat.
Florida Units: 12, 13 and 14

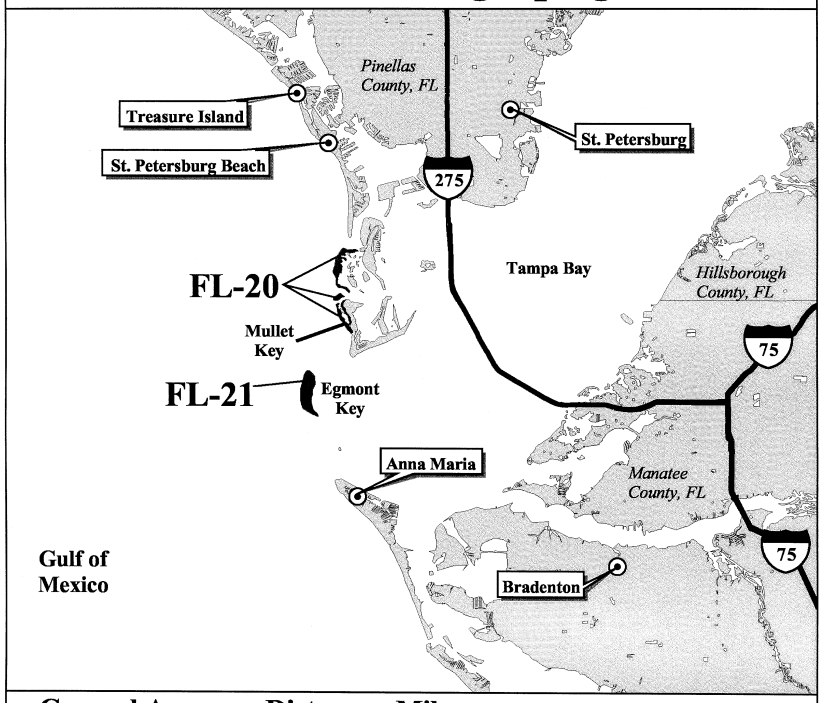
General locations of the designated critical habitat for the Wintering Piping Plover.



Use Constraints: This map is intended to be used as a guide to identify the general areas where Wintering Piping Plover critical habitat has been designated. Included within the designation of critical habitat are all land areas to the mean lower low water. Refer to the narrative unit descriptions as the precise legal definition of critical habitat.

Florida Units: 15, 16, 17, 18 and 19

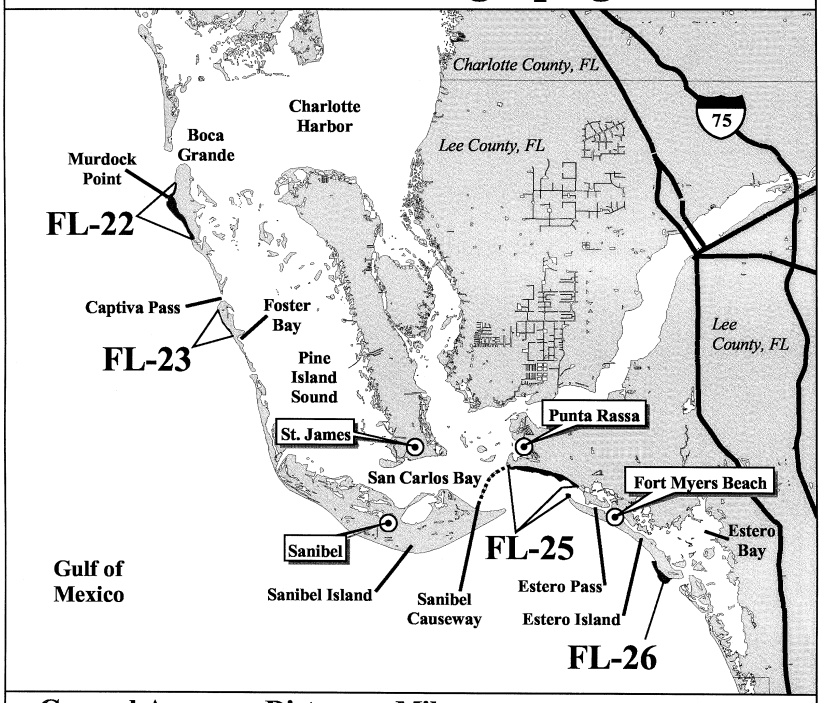
General locations of the designated critical habitat for the Wintering Piping Plover.



Use Constraints: This map is intended to be used as a guide to identify the general areas where Wintering Piping Plover critical habitat has been designated. Included within the designation of critical habitat are all land areas to the mean lower low water. Refer to the narrative unit descriptions as the precise legal definition of critical habitat.

Florida Units: 20 and 21

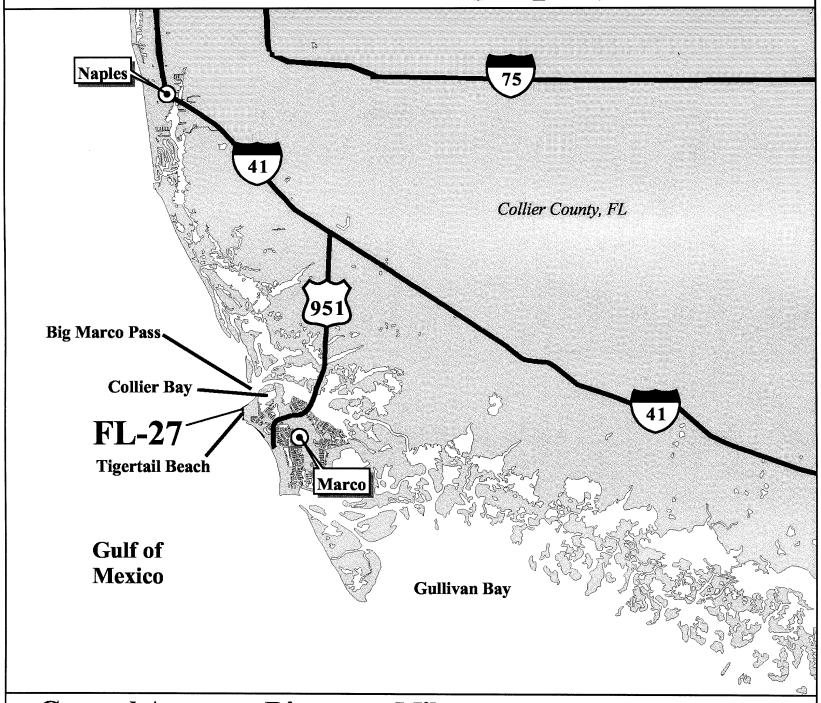
General locations of the designated critical habitat for the Wintering Piping Plover.



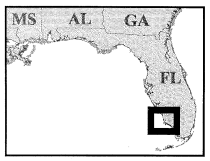
Use Constraints: This map is intended to be used as a guide to identify the general areas where Wintering Piping Plover critical habitat has been designated. Included within the designation of critical habitat are all land areas to the mean lower low water. Refer to the narrative unit descriptions as the precise legal definition of critical habitat.

Florida Units: 22, 23, 25 and 26

General locations of the designated critical habitat for the Wintering Piping Plover.



General Area



Distance: Miles

0 4 8

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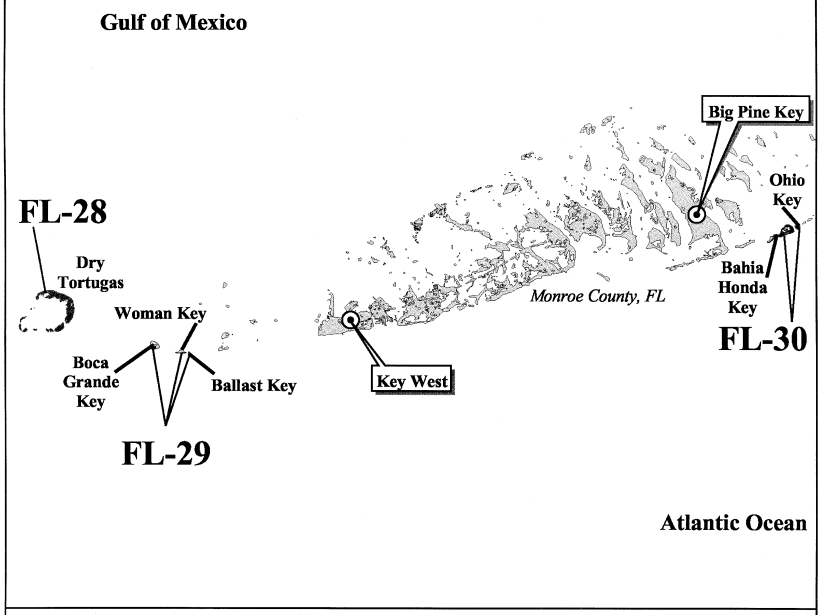
Legend

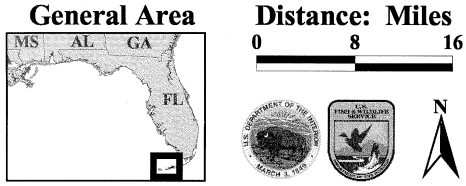
- City / Town
- Major Road / Highway
- Land
- Critical Habitat

Use Constraints: This map is intended to be used as a guide to identify the general areas where Wintering Piping Plover critical habitat has been designated. Included within the designation of critical habitat are all land areas to the mean lower low water. Refer to the narrative unit descriptions as the precise legal definition of critical habitat.

Florida Unit: 27

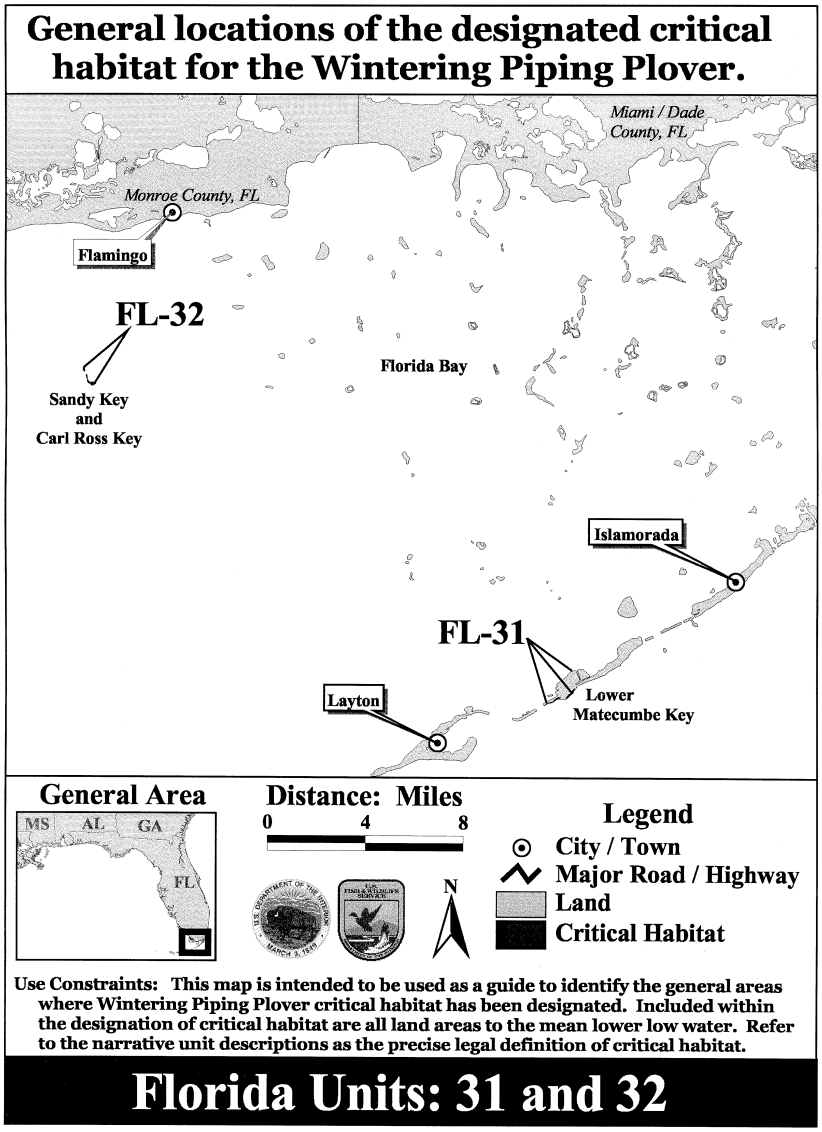
General locations of the designated critical habitat for the Wintering Piping Plover.



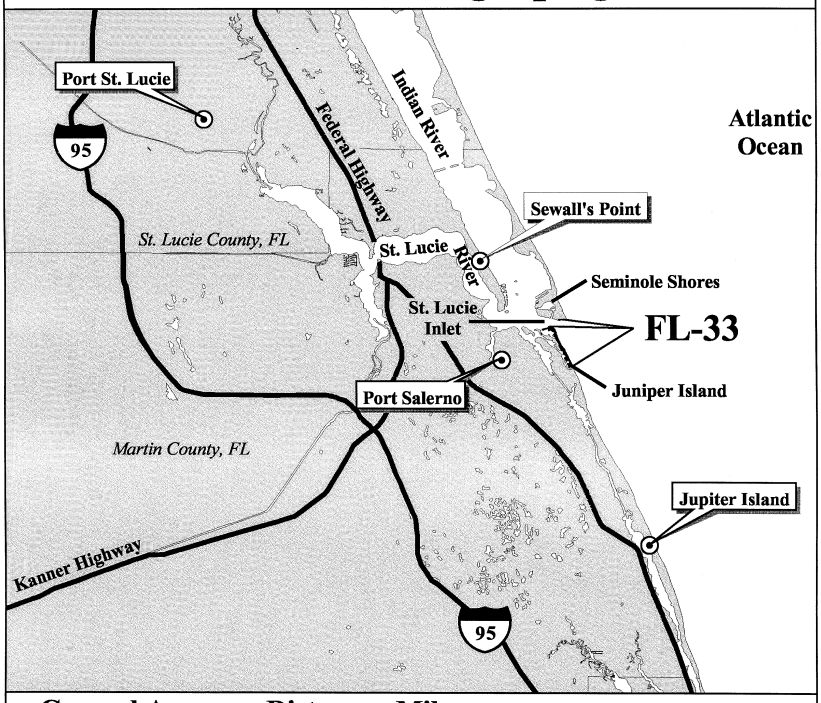


Use Constraints: This map is intended to be used as a guide to identify the general areas where Wintering Piping Plover critical habitat has been designated. Included within the designation of critical habitat are all land areas to the mean lower low water. Refer to the narrative unit descriptions as the precise legal definition of critical habitat.

Florida Units: 28, 29 and 30


General locations of the designated critical habitat for the Wintering Piping Plover.
Miami / Dade County, FL
Monroe County, FL
Flamingo
FL-32
Florida Bay
Sandy Key and Carl Ross Key
Islamorada
FL-31
Layton
Lower Matecumbe Key
General Area
MS
AL
GA
FL
Distance: Miles
0
4
8
N
Legend
City / Town
Major Road / Highway
Land
Critical Habitat
Use Constraints: This map is intended to be used as a guide to identify the general areas where Wintering Piping Plover critical habitat has been designated. Included within the designation of critical habitat are all land areas to the mean lower low water. Refer to the narrative unit descriptions as the precise legal definition of critical habitat.
Florida Units: 31 and 32

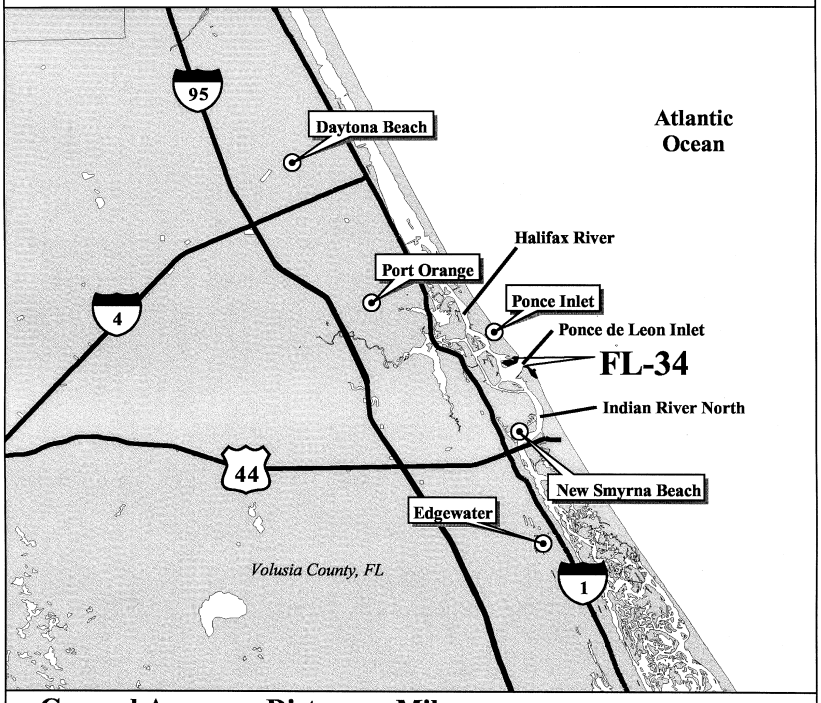
General locations of the designated critical habitat for the Wintering Piping Plover.



Use Constraints: This map is intended to be used as a guide to identify the general areas where Wintering Piping Plover critical habitat has been designated. Included within the designation of critical habitat are all land areas to the mean lower low water. Refer to the narrative unit descriptions as the precise legal definition of critical habitat.

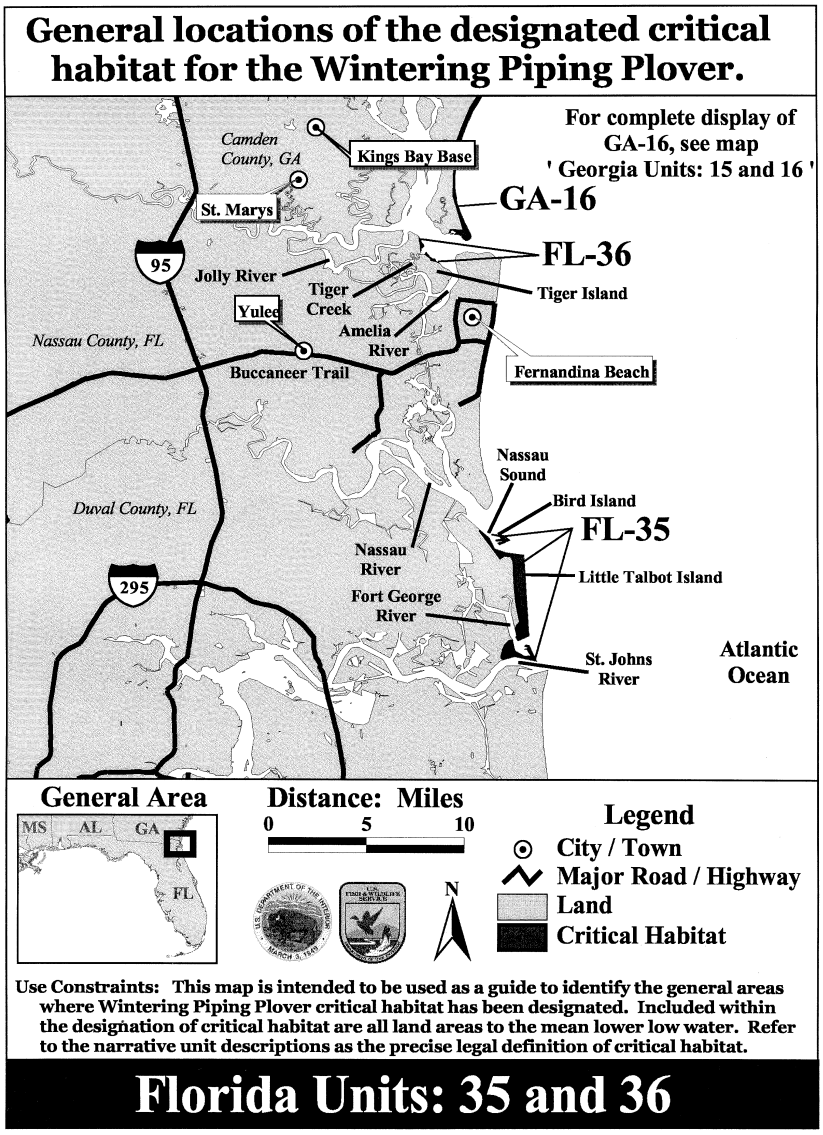
Florida Unit: 33

General locations of the designated critical habitat for the Wintering Piping Plover.



Use Constraints: This map is intended to be used as a guide to identify the general areas where Wintering Piping Plover critical habitat has been designated. Included within the designation of critical habitat are all land areas to the mean lower low water. Refer to the narrative unit descriptions as the precise legal definition of critical habitat.

Florida Unit: 34



Alabama (Maps were digitized using 1992 DOQQs)

UNIT AL–1: ISLE AUX HERBES. 227 HA (561 AC) IN MOBILE COUNTY

This unit includes the entire Isle Aux Herbes island where primary constituent elements occur to MLLW and is State-owned.

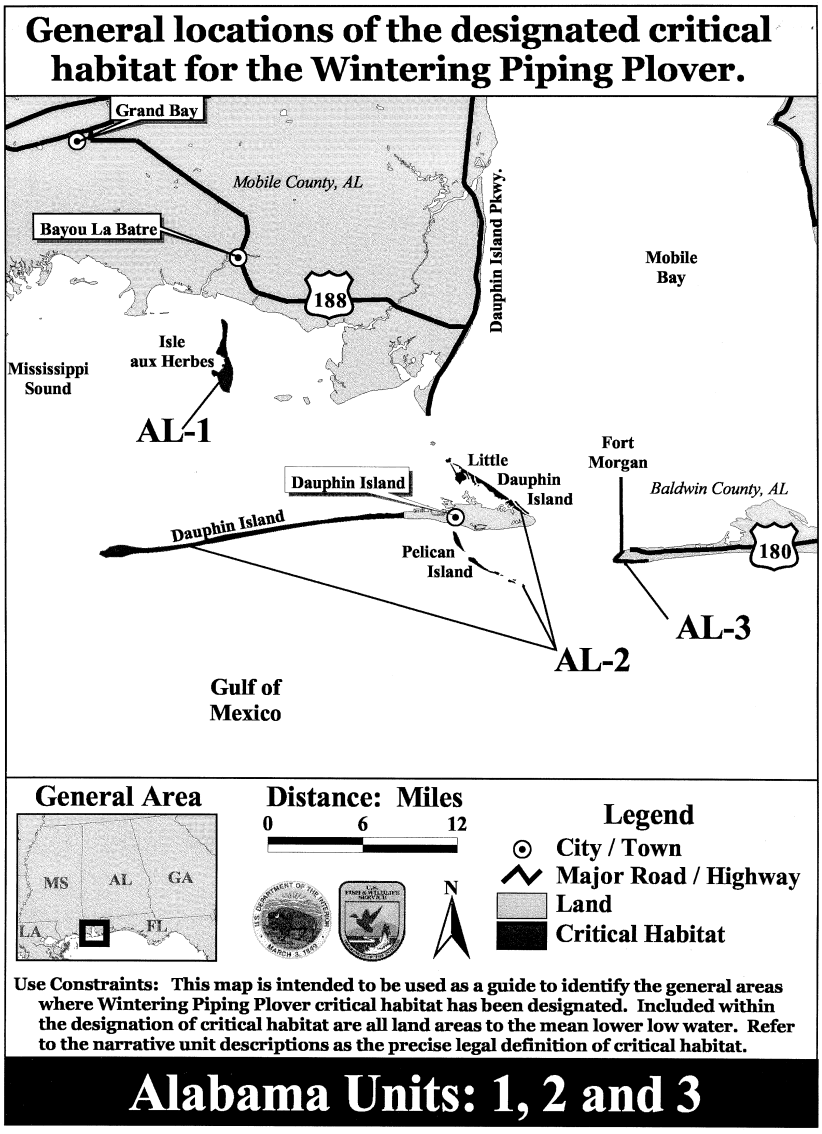
UNIT AL–2: DAUPHIN, LITTLE DAUPHIN, AND PELICAN ISLANDS. 880 HA (2,174 AC) IN MOBILE COUNTY

This unit includes all of Dauphin Island where primary constituent elements occur from St. Stephens Street approximately 17.6 km (10.9 mi) west to the western tip of the island to MLLW and all of Little Dauphin and Pelican Islands to MLLW. The area is mostly

privately owned but includes State and Federal lands.

UNIT AL–3: FORT MORGAN. 67 HA (166 AC) IN BALDWIN COUNTY

This area includes Mobile Bay and Gulf of Mexico shorelines within Bon Secour National Wildlife Refuge, Fort Morgan Unit. This unit extends from the west side of the pier on the northwest point of the peninsula, following the shoreline approximately 2.8 km (1.74 mi) southwest around the tip of the peninsula, then east to the terminus of the beach access road and is bounded on the seaward side by MLLW and on the landward side to where densely vegetated habitat, not used by the piping plover, begins and where the constituent elements no longer occur. The area is State-owned but is leased by the Federal Government.



Mississippi (Maps were digitized using 1992 and 1997 DOQQs)

UNIT MS–1: LAKESHORE THROUGH BAY ST. LOUIS. 41 HA (101 AC) IN HANCOCK COUNTY

This unit extends from the north side of Bryan Bayou outlet and includes the shore of the Mississippi Sound following the shoreline northeast approximately 15.0 km (9.3 mi) and ending at the southeast side of the Bay Waveland Yacht Club. The landward boundary of this unit follows the Gulf side of South and North Beach Boulevard and the seaward boundary is MLLW. The shoreline of this unit is privately owned.

UNIT MS–2: HENDERSON POINT. 34 HA (84 AC) IN HARRISON COUNTY

This unit extends from 0.2 km (0.12 mi) west of the intersection of 3rd Avenue and Front Street and includes the shore of the Mississippi Sound following the shoreline northeast approximately 4.4 km (2.7 mi) to the west side of Pass Christian Harbor. The landward boundary of this unit follows the Gulf side of U.S. Highway 90 and the seaward boundary is MLLW. The shoreline of this unit is privately owned.

UNIT MS–3: PASS CHRISTIAN. 77 HA (190 AC) IN HARRISON COUNTY

This unit extends from the east side of Pass Christian Harbor and includes the shore of the Mississippi Sound following the shoreline northeast approximately 10.5 km (6.5 mi) to the west side of Long Beach Pier and Harbor. The landward boundary of this unit follows the Gulf side of U.S. Highway 90 and the seaward boundary is MLLW. The shoreline of this unit is privately owned.

UNIT MS–4: LONG BEACH. 38 HA (94 AC) IN HARRISON COUNTY

This unit extends from the east side of Long Beach Pier and Harbor and includes the shore of the Mississippi Sound following the shoreline northeast approximately 4.4 km (2.7 mi) to the west side of Gulfport Harbor. The landward boundary of this unit follows the Gulf side of U.S. Highway 90 and the seaward boundary is MLLW. The shoreline of this unit is privately owned.

UNIT MS–5: GULFPORT. 39 HA (96 AC) IN HARRISON COUNTY

This unit extends from the east side of Gulfport Harbor and includes the shore of the Mississippi Sound following the shoreline northeast approximately 4.8 km (3.0 mi) to the west side of the groin at the southern terminus of Courthouse Road, Mississippi City, MS. The landward boundary of this unit follows the Gulf side of U.S. Highway 90 and the seaward boundary is MLLW. The shoreline of this unit is privately owned.

UNIT MS–6: MISSISSIPPI CITY. 62 HA (153 AC) IN HARRISON COUNTY

This unit extends from the east side of the groin at the southern terminus of Courthouse Road, Mississippi City, MS, and includes the shore of the Mississippi Sound following the shoreline northeast approximately 7.9 km (4.9 mi) to the west side of President Casino. The landward boundary of this unit follows the Gulf side of U.S. Highway 90 and the seaward boundary is MLLW. The shoreline of this unit is privately owned.

UNIT MS–10: OCEAN SPRINGS WEST. 11 HA (27 AC) IN JACKSON COUNTY

This unit extends from U.S. 90 and includes the shore of Biloxi Bay following the shoreline southeast approximately 1.9 km (1.2 mi) to the Ocean Springs Harbor inlet. The landward boundary of this unit follows the Bay side of Front Beach Drive and the seaward boundary is MLLW. The shoreline of this unit is privately owned.

UNIT MS–11: OCEAN SPRINGS EAST. 7 HA (17 AC) IN JACKSON COUNTY

This unit extends from the east side of Weeks Bayou and includes the shore of Biloxi Bay following the shoreline southeast approximately 1.8 km (1.1 mi) to Halstead Bayou. The landward boundary of this unit follows the Bay side of East Beach Drive and the seaward boundary is MLLW. The shoreline of this unit is privately owned.

UNIT MS–12: DEER ISLAND. 194 HA (479 AC) IN HARRISON COUNTY

This unit includes all of Deer Island, where primary constituent elements occur to the MLWW. Deer Island is privately owned.

UNIT MS–13: ROUND ISLAND. 27 HA (67 AC) IN JACKSON COUNTY

This unit includes all of Round Island to the MLWW and is privately owned

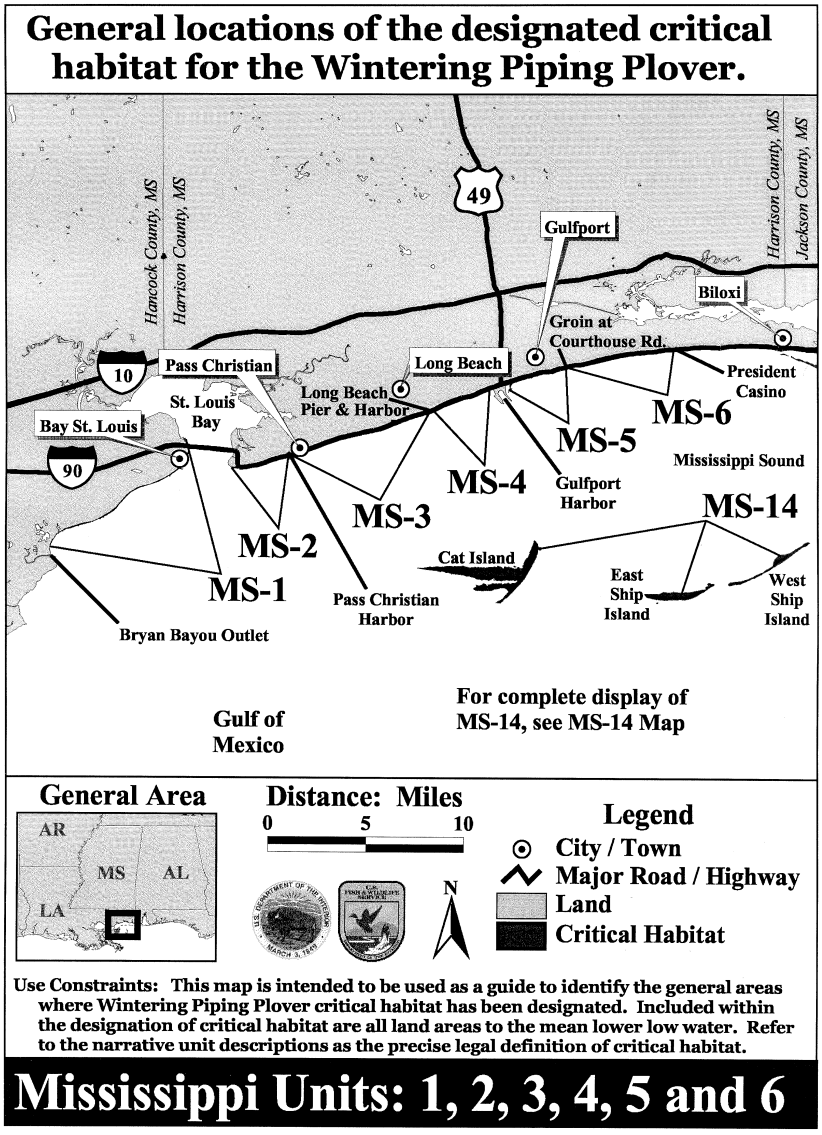
Unit MS–14: Mississippi Barrier Islands. 3,168 ha (7,828 ac) in Harrison and Jackson Counties.

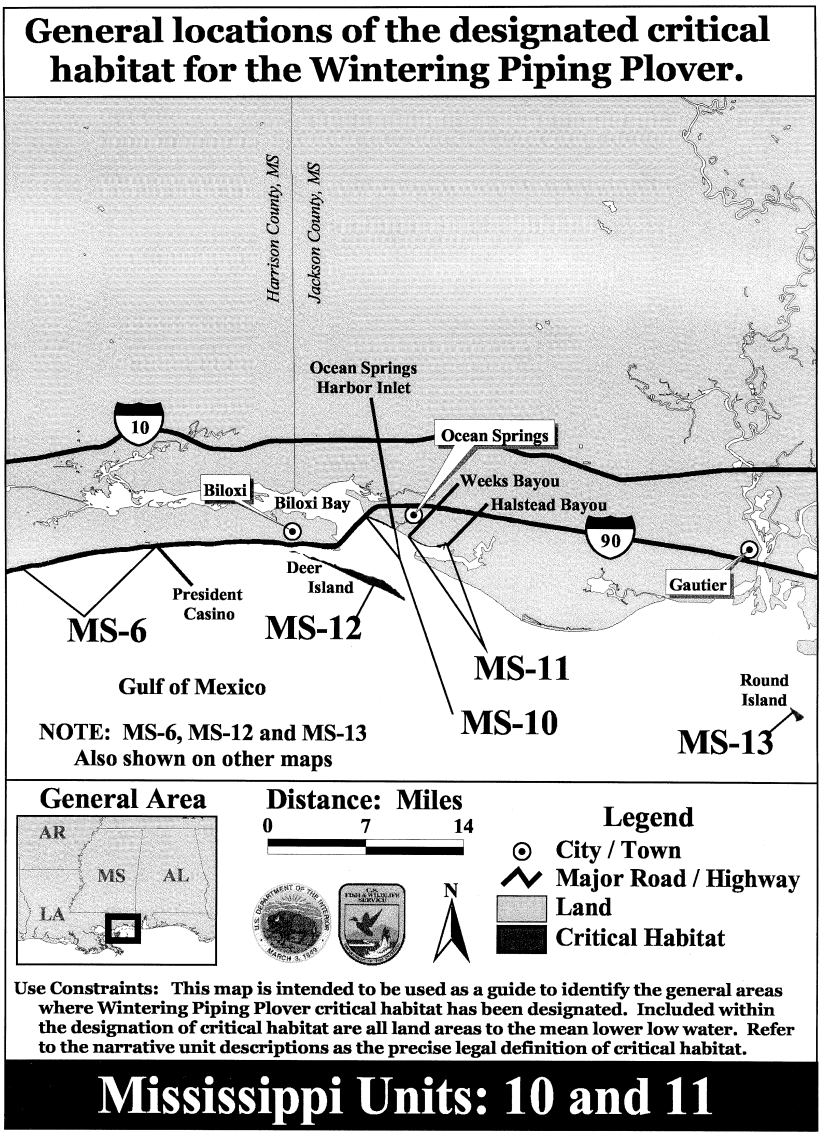
This unit includes all of Cat, East and West Ship, Horn, Spoil, and Petit Bois Islands where primary constituent elements occur to MLLW. Cat Island is privately owned, and the remaining islands are part of the Gulf Islands National Seashore.

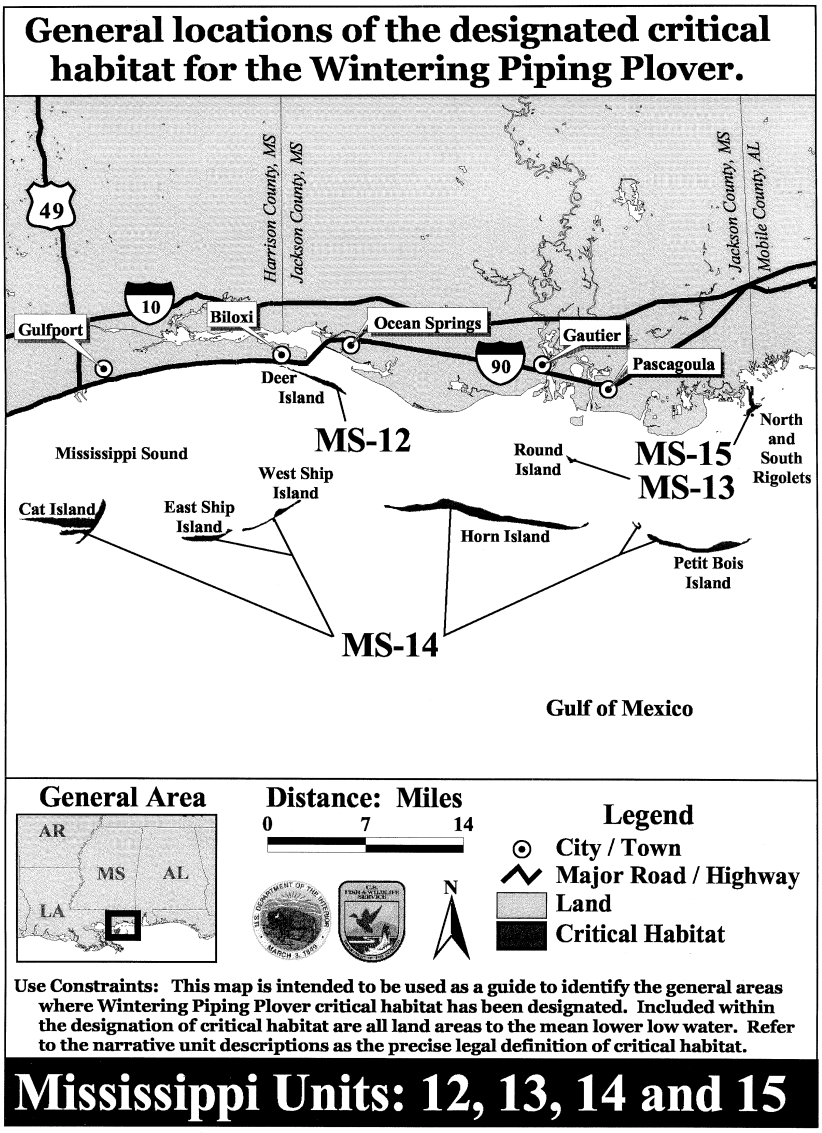
UNIT MS–15: NORTH AND SOUTH RIGOLETS. 159 HA (393 AC) IN JACKSON COUNTY, MS, AND 12 HA (30 AC) IN MOBILE COUNTY, AL

This unit extends from the southwestern tip of South Rigolets Island and includes the shore of Point Aux Chenes Bay, the Mississippi Sound, and Grand Bay following the shoreline east around the western tip, then north to the south side of South Rigolets

Bayou; then from the north side of South Rigolets Bayou (the southeastern corner of North Rigolets Island) north to the northeastern most point of North Rigolets Island. This shoreline is bounded on the seaward side by MLLW and on the landward side to where densely vegetated habitat, not used by the piping plover, begins and where the constituent elements no longer occur. Approximately 4.4 km (2.7 mi) are in Mississippi and 2.9 km (1.8 mi) are in Alabama. Almost half the Mississippi shoreline length is in the Grand Bay National Wildlife Refuge.




General locations of the designated critical habitat for the Wintering Piping Plover.
Harrison County, MS
Jackson County, MS
Ocean Springs Harbor Inlet
10
Ocean Springs
Biloxi
Biloxi Bay
Weeks Bayou
Halstead Bayou
90
Deer Island
President Casino
Gautier
MS-6
MS-12
MS-11
MS-10
Round Island
MS-13
Gulf of Mexico
NOTE: MS-6, MS-12 and MS-13 Also shown on other maps
General Area
AR
MS
AL
LA
Distance: Miles
0 7 14
N
Legend
City / Town
Major Road / Highway
Land
Critical Habitat
Use Constraints: This map is intended to be used as a guide to identify the general areas where Wintering Piping Plover critical habitat has been designated. Included within the designation of critical habitat are all land areas to the mean lower low water. Refer to the narrative unit descriptions as the precise legal definition of critical habitat.
Mississippi Units: 10 and 11



Louisiana (Maps were digitized using 1998 DOQQs)

UNIT LA–1: TEXAS/LOUISIANA BORDER TO CHENIERE AU TIGRE. 2,650 HA (6,548 AC) IN CAMERON AND VERMILION PARISHES

This unit extends from the east side of Sabine Pass (Texas/Louisiana border) and includes the shore of the Gulf of Mexico from the MLLW following the shoreline east 25.7 km (16.0 mi) to the west end of Constance Beach [approximately 2 km (1.2 mi) east of the intersection of Parish Road 528 and the beach]; it extends from the east end of the town of Holly Beach [0.25 km (0.16 mi) east of the intersection of Baritarick Boulevard and the beach] following the shoreline approximately 97 km (60.3 mi) east to the eastern boundary line of Rockefeller Wildlife Refuge [3.4 km (2.1 mi) east of Rollover Bayou]; and

it extends from the east side of Freshwater Bayou Canal following the shoreline east for approximately 15 km (9.3 mi) to 1.3 km (0.81 mi) east of where the boundary of Paul J. Rainey Wildlife Sanctuary (National Audubon Society) meets the shoreline. All three sections of this unit include the land from the seaward boundary of MLLW to where densely vegetated habitat, not used by the piping plover, begins and where the constituent elements no longer occur. The shoreline in this unit is both state and privately owned.

UNIT LA–2: ATCHAFALAYA RIVER DELTA. 921 HA (2,276 AC) IN ST. MARY PARISH, LA

This unit is located in the eastern portion of the State-owned Atchafalaya Delta Wildlife Management Area (WMA) and includes all exposed land and islands where primary constituent elements occur east and southeast of the main navigation channel of the Atchafalaya River to the MLLW. The islands located south and southeast of the deltaic splay, Donna, T-Pat, and Skimmer Islands and the un-named bird island, are also included in this unit. This unit includes the entire islands where primary constituent elements occur to the MLLW.

UNIT LA–3: POINT AU FER ISLAND. 195 HA (482 AC) IN TERREBONNE PARISH.

This unit includes the entire small island at the northwest tip of Point Au Fer Island to MLLW, then extends from the northwest tip of Point Au Fer Island following the shoreline southeast approximately 7.7 km (4.8 mi) to the point where the un-named oil and gas canal extending southeast from Locust Bayou meets the shoreline [0.8 km (0.5 mi) southeast from Locust Bayou]. This shoreline is bounded on the seaward side by MLLW and on the landward side to where densely vegetated habitat, not used by the piping plover, begins and where the constituent elements no longer occur. This entire unit is privately owned.

UNIT LA–4: ISLES DERNIERES. 795 HA (1,964 AC) IN TERREBONNE PARISH

This unit includes the State-owned Isles Dernieres chain, including Raccoon, Whiskey, Trinity and East Islands. This unit includes the entire islands where primary constituent elements occur to the MLLW.

UNIT LA–5: TIMBALIER ISLAND TO EAST GRAND TERRE ISLAND. 2,321 HA (5,735 AC) IN TERREBONNE, LAFOURCHE, JEFFERSON, AND PLAQUEMINES PARISHES

This unit includes: all of Timbalier Island where primary constituent elements occur to the MLLW, all of Belle Pass West [the ''peninsula'' extending north/northwest approximately 4.8 km (3.0 mi) from the west side of Belle Pass] where primary constituent elements occur to MLLW; the Gulf shoreline extending approximately 11 km (6.8 mi) east from the east side of Belle Pass bounded on the seaward side by MLLW and on the landward side to where densely vegetated habitat, not used by the piping plover, begins and where the constituent elements no longer occur; all of Elmers Island peninsula where primary constituent elements occur to MLLW and the Gulf shoreline from Elmers Island to approximately 0.9 km (0.56 mi) west of Bayou Thunder Von Tranc bounded on the seaward side by MLLW and on the landward side to where densely vegetated habitat, not used by the piping plover, begins and where the constituent elements no longer occur; the Gulf shoreline of Grand Isle from the Gulf side of the hurricane protection levee to MLLW; and all of East Grand Terre Island where primary constituent elements occur to the MLLW.

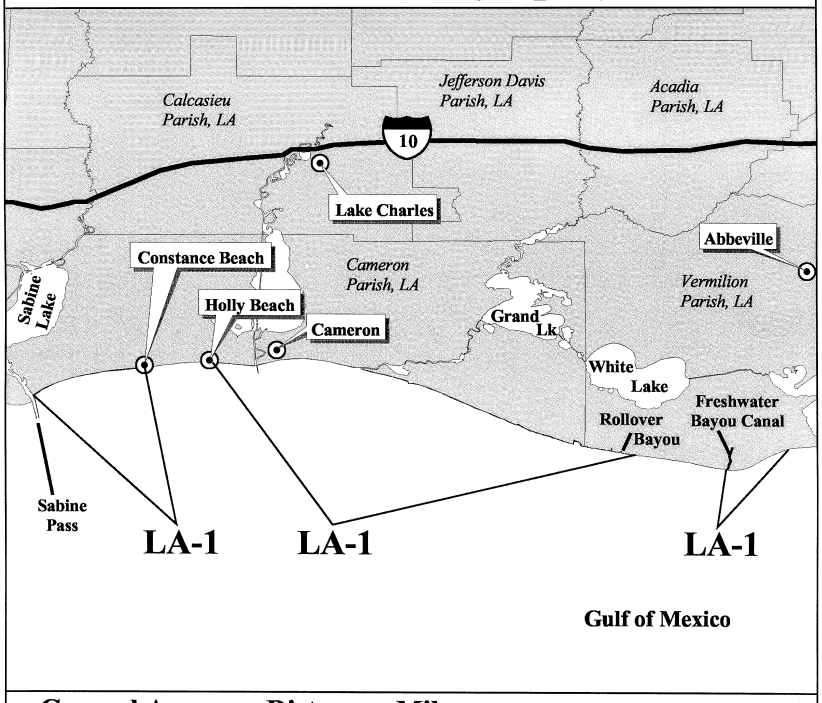
UNIT LA–6: MISSISSIPPI RIVER DELTA. 105 HA (259 AC) IN PLAQUEMINES PARISH, LA

This unit is part of the State-owned Pass a Loutre Wildlife Management Area and includes un-named sand (spoil) islands off South Pass of the Mississippi River near Port Eads. The entire islands to MLLW are included in this unit.

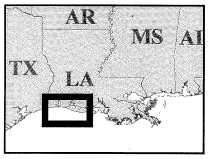
Unit LA–7: Breton Islands and Chandeleur Island Chain. 3,116 ha (7,700 ac) in Plaquemines and St. Bernard Parishes, LA

This unit includes Breton, Grand Gosier, and Curlew Islands and the Chandeleur Island chain. Those islands are part of the Breton National Wildlife Refuge or are state owned. The entire islands where primary constituent elements occur to MLLW are included in this unit.

General locations of the designated critical habitat for the Wintering Piping Plover.



General Area



Distance: Miles

0 15 30

N

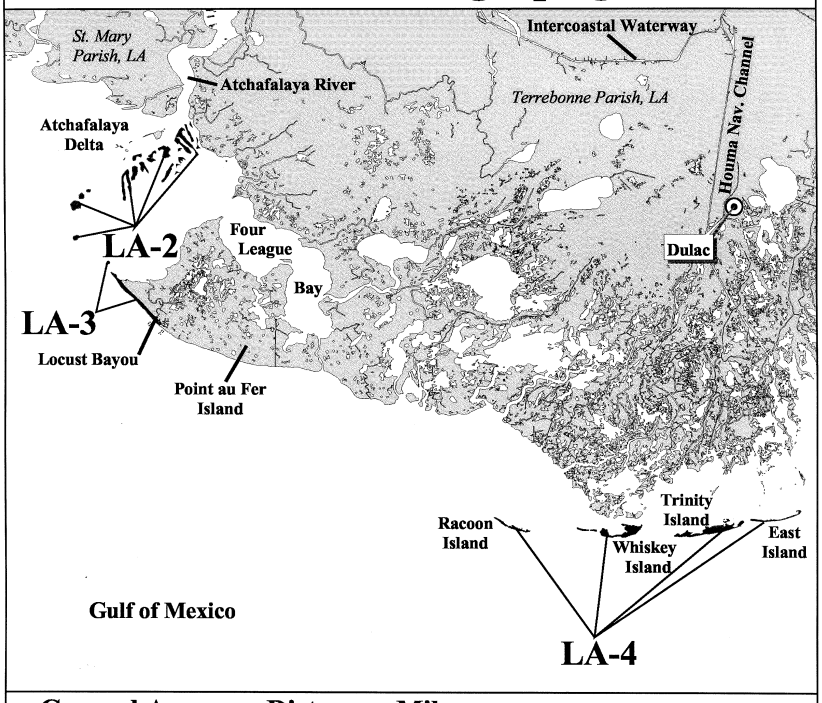
Legend

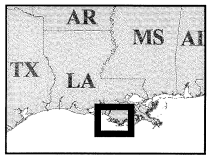
- City / Town
- Major Road / Highway
- Land
- Critical Habitat

Use Constraints: This map is intended to be used as a guide to identify the general areas where Wintering Piping Plover critical habitat has been designated. Included within the designation of critical habitat are all land areas to the mean lower low water. Refer to the narrative unit descriptions as the precise legal definition of critical habitat.

Louisiana Unit: 1

General locations of the designated critical habitat for the Wintering Piping Plover.





Distance: Miles
0 7 14

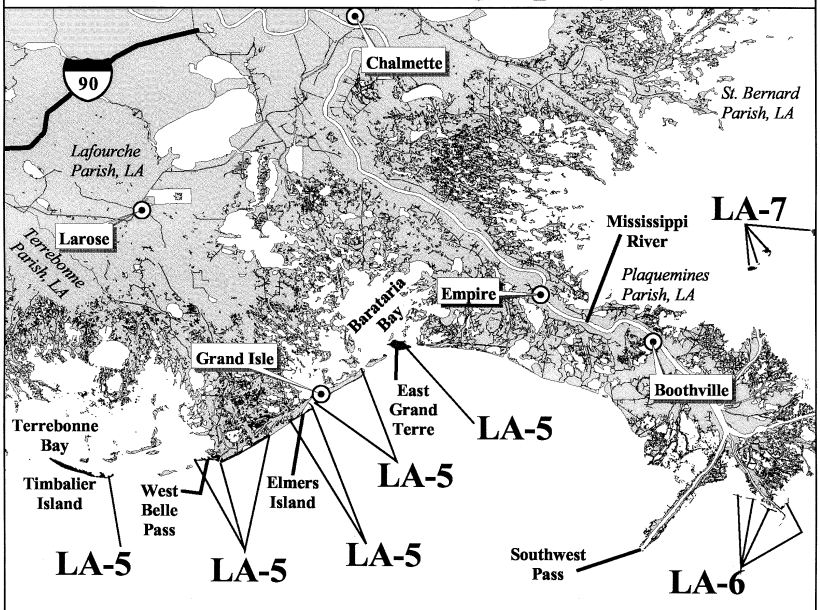
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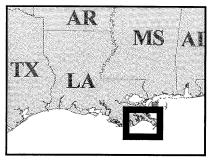
Legend
- City / Town
- Major Road / Highway
- Land
- Critical Habitat

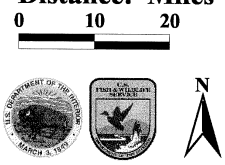
Use Constraints: This map is intended to be used as a guide to identify the general areas where Wintering Piping Plover critical habitat has been designated. Included within the designation of critical habitat are all land areas to the mean lower low water. Refer to the narrative unit descriptions as the precise legal definition of critical habitat.

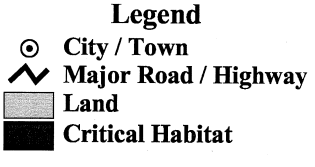
Louisiana Units: 2, 3, and 4

General locations of the designated critical habitat for the Wintering Piping Plover.



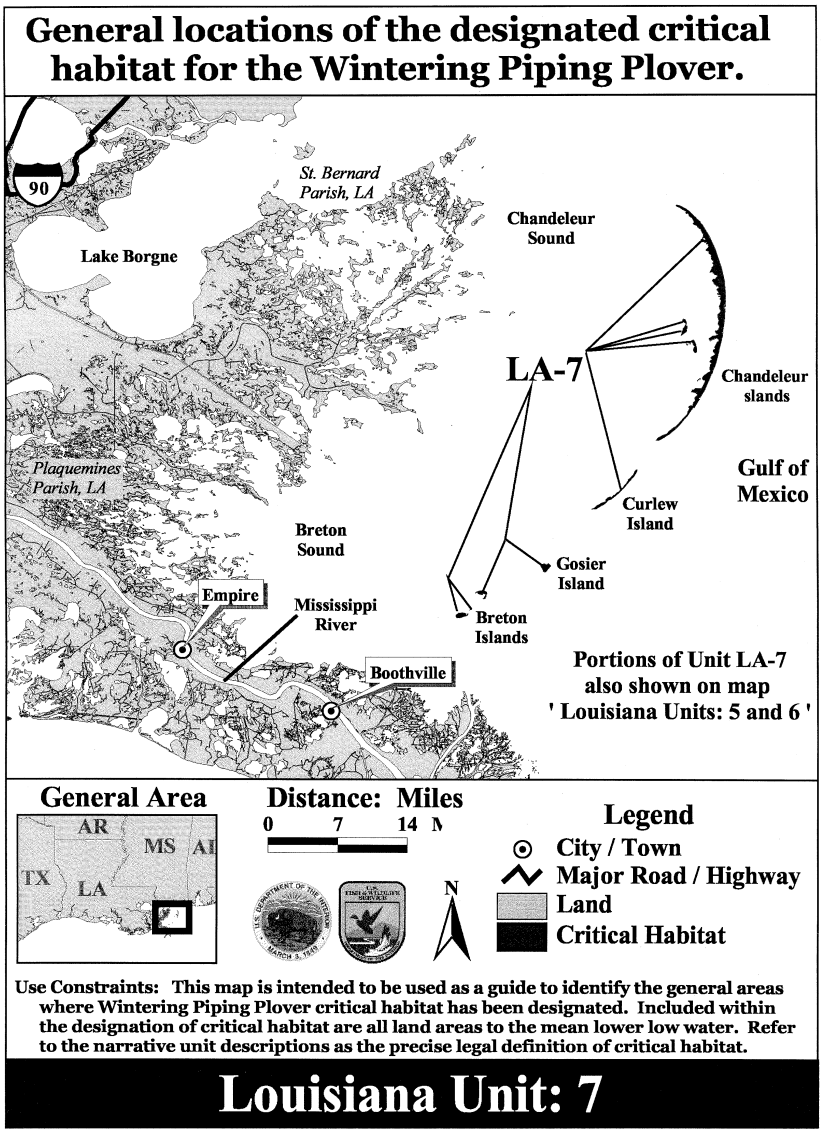






Use Constraints: This map is intended to be used as a guide to identify the general areas where Wintering Piping Plover critical habitat has been designated. Included within the designation of critical habitat are all land areas to the mean lower low water. Refer to the narrative unit descriptions as the precise legal definition of critical habitat.

Louisiana Units: 5 and 6



Texas (Data layers defining map units 1, 2, 5, 6, 11, 12, 13, 20, 21, 24, 25, 26, 29, 30, 34, 35, 36, and 37 were digitized using 1995 and 1996 DOQQs and National Oceanic and Atmospheric Administration's (NOAA) Medium Resolution Digital Vector Shoreline. Data layers defining map units 3, 4, 7, 8, 9, 10, 14, 15, 16, 18, 19, 22, 23, 27, 28, 31, 32, and 33 were created using 1992 National Wetlands Inventory data (except for Unit TX–22, which had 2001 data available) and/or digitized using 2005 National Agriculture Imagery Program data and NOAA mean lower low water vector data).

UNIT TX–1: SOUTH BAY AND BOCA CHICA. 2,920 HA (7,217 AC) IN CAMERON COUNTY

The boundaries of the unit are: starting at the Loma Ochoa, following the Brownsville Ship Channel to the northeast out into the

Gulf of Mexico to MLLW, then south along a line describing MLLW to the mouth of the Rio Grande, proceeding up the Rio Grande to Loma de Las Vacas, then from that point along a straight line north to Loma Ochoa. The unit does not include densely vegetated habitat within those boundaries. It includes wind tidal flats that are infrequently inundated by seasonal winds, and includes the tidal flats area known as South Bay. Beaches within the unit reach from the mouth of the Rio Grande northward to Brazos Santiago Pass, south of South Padre Island. The southern and western boundaries follow the change in habitat from wind tidal flat, preferred by the piping plover, to where densely vegetated habitat, not used by the piping plover, begins and where the constituent elements no longer occur. The upland areas extend to where densely vegetated habitat, not used by the piping plover, begins and where the constituent elements no longer occur and include areas used for roosting by the piping plover. Portions of this unit are owned and managed by the Lower Rio Grande Valley National Wildlife Refuge, the South Bay Coastal Preserve, Boca Chica State Park, and private citizens.

UNIT TX–2: QUEEN ISABELLA CAUSEWAY. 2 HA (6 AC) IN CAMERON COUNTY

The area extends along the Laguna Madre west of the city of South Padre Island. The southern boundary is the Queen Isabella State Fishing Pier, and the northern boundary is at the shoreline due west of the end of Sunny Isles Street. The Queen Isabella causeway bisects this shore but is not included within critical habitat. The eastern boundary is where developed areas and/or dense vegetation begins, and the western boundary is MLLW. This unit contains lands known as wind tidal flats that are infrequently inundated by seasonal winds.

UNIT TX–3: PADRE ISLAND. THIS UNIT CONSISTS OF FIVE SUBUNITS:

(1) Subunit TX–3A: South Padre Island—Gulf of Mexico Shoreline: 1,170 hectares (2,891 acres) in Cameron and Willacy Counties, Texas.

(i) Unit TX–3, Subunit A, in Cameron County, Texas. Coordinates are in UTM Zone 14N North American Datum 1983 (meters E, meters N):

677316, 2921614; 677420, 2921300; 677477, 2921036; 677576, 2920752; 677587, 2920643; 677639, 2920497; 677730, 2920091; 677915, 2919428; 678126, 2918581; 678368, 2917507; 678413, 2917409; 678588, 2916617; 678758, 2916031; 679074, 2914695; 679149, 2914477; 679434, 2913339; 679449, 2913232; 679565, 2912851; 679651, 2912493; 679808, 2911764; 679987, 2911020; 680041, 2910701; 680141, 2910358; 680324, 2909490; 680408, 2909179; 680458, 2908905; 680484, 2908841; 680527, 2908625; 680552, 2908572; 680703, 2907730; 680721, 2907693; 680803, 2907240; 680895, 2906845; 680906, 2906733; 680996, 2906347; 681070, 2905861; 681196, 2905325; 681322, 2904670; 681350, 2904592; 681380, 2904382; 681413, 2904290; 681435, 2904108; 681552, 2903585; 681563, 2903476; 681729, 2902633; 681973, 2901088; 682003, 2900981; 682087, 2900472; 682464, 2897457; 682604, 2896539; 682634, 2896212; 682700, 2895830; 682880, 2894451; 682909, 2894346; 682968, 2893886; 683014, 2893686; 683098, 2892852; 683180, 2892260; 683097, 2892260; 683047, 2892488; 682998, 2892495; 682995, 2892510; 683027, 2892531; 683041, 2892592; 683027, 2892699; 683007, 2892723; 682971, 2892712; 682968, 2892722; 682999, 2892739; 683016, 2892786; 682985, 2893058; 682935, 2893060; 682934, 2893107; 682861, 2893152; 682769, 2893152; 682768, 2893221; 682883, 2893220; 682868, 2893341; 682876, 2893381; 682853, 2893557; 682804, 2893691; 682806, 2893754; 682701, 2893949; 682710, 2894040; 682740, 2894055; 682689, 2894104; 682681, 2894156; 682713, 2894193; 682726, 2894288; 682687, 2894331; 682627, 2894337; 682623, 2894365; 682728, 2894369; 682721, 2894449; 682708, 2894473; 682691, 2894464; 682690, 2894488; 682755, 2894666; 682721, 2894686; 682706, 2894773; 682643, 2894808; 682688, 2894824; 682707, 2894860; 682704, 2894904; 682637, 2894954; 682603, 2895002; 682559, 2895114; 682550, 2895203; 682672, 2895199; 682668, 2895297; 682578, 2895296; 682617, 2895448; 682574, 2895521; 682575, 2895612; 682551, 2895712; 682520, 2895722; 682522, 2895767; 682493, 2895885; 682483, 2896037; 682497, 2896084; 682454, 2896117; 682465, 2896163; 682380, 2896601; 682346, 2896608; 682227, 2897577; 682182, 2898085; 682201, 2898109; 682180, 2898259; 682201, 2898280; 682178, 2898328; 682186, 2898401; 682174, 2898430; 682231, 2898459; 682244, 2898483; 682235, 2898579; 682213, 2898593; 682185, 2898577; 682197, 2898640; 682217, 2898666; 682213, 2898767; 682176, 2898760; 682166, 2898847; 682126, 2898937; 682073, 2898932; 682066, 2898960; 682092, 2898953; 682111, 2898973; 682100, 2899003; 682118, 2899078; 682082, 2899308; 682032, 2899467; 682011, 2899621; 682025, 2899646; 682013, 2899740; 681989, 2899755; 681987, 2899797; 682021, 2899806; 682009, 2899832; 681985, 2899842; 681981, 2899913; 681935, 2899934; 681807, 2900673; 681858, 2900716; 681839, 2900788; 681864, 2900849; 681852, 2900916; 681836, 2900967; 681756, 2901060; 681717, 2901187; 681460, 2902658; 681505, 2902676; 681511, 2902716; 681434, 2902756; 681214, 2903993; 681155, 2904075; 681119, 2904071; 681012, 2904606; 681029, 2904710; 680978, 2904773; 680977, 2904828; 680896, 2905004; 680880, 2905243; 680932, 2905337; 680901, 2905436; 680924, 2905565; 680947, 2905707; 680915, 2905794; 680816, 2905965; 680846, 2906102; 680842, 2906220; 680767, 2906374; 680767, 2906423; 680804, 2906481; 680779, 2906658; 680788, 2906703; 680737, 2906768; 680667, 2906952; 680666, 2906992; 680637, 2907074; 680652, 2907167; 680696, 2907184; 680694, 2907237; 680652, 2907317; 680578, 2907558; 680544, 2907670; 680559, 2907720; 680528, 2907739; 680491, 2907864; 680442, 2907915; 680377, 2908122; 680303, 2908195; 680245, 2908202; 680225, 2908246; 680239, 2908288; 680224, 2908356; 680262, 2908544; 680236, 2908558; 680241, 2908624; 680205, 2908642; 680204, 2908680; 680263, 2908669; 680284, 2908705; 680284, 2908759; 680262, 2908811; 680173, 2908905; 680152, 2909076; 680166, 2909101; 680118, 2909145; 680068, 2909267; 680089, 2909331; 680063, 2909415; 680076, 2909447; 680059, 2909475; 680051,

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Excluding:

Unit TX–3 Subunit A, Cameron County, Texas. Coordinates are in UTM Zone 14N, North American Datum 1983 (meters E, meters N):

675897, 2922460; 676718, 2922470; 676897, 2922475; 676896, 2922472; 676837, 2922377; 676776, 2922314; 676569, 2922172; 676466, 2922133; 676432, 2922145; 676422, 2922172; 676495, 2922208; 676488, 2922231; 676393, 2922213; 676277, 2922154; 676106, 2922206; 676075, 2922227; 675990, 2922374; Thence returning to 675897, 2922460.

675842, 2922460; 675938, 2922385; 675980, 2922268; 676037, 2922167; 676062, 2922153; 676234, 2922141; 676273, 2922087; 676323, 2922055; 676330, 2922028; 676320, 2921969; 676257, 2921890; 676221, 2921857; 676136, 2921833; 676093, 2921734; 676041, 2921668; 675958, 2921626; 675863, 2921676; 675826, 2921733; 675802, 2921806; 675798, 2921937; 675846, 2921972; 676059, 2921967; 676049, 2922021; 676024, 2922007; 675910, 2922008; 675799, 2922038; 675783, 2921989; 675732, 2921941; 675726, 2921854; 675703, 2921803; 675651, 2921772; 675572, 2921776; 675544, 2921783; 675492, 2921838; 675334, 2922069; 675325, 2922126; 675337, 2922256; 675370, 2922340; 675484, 2922385; 675626, 2922347; 675639, 2922323; 675687, 2922316; 675683, 2922387; 675625, 2922369; 675530, 2922399; 675525, 2922427; 675579, 2922437; 675583, 2922457; Thence returning to 675842, 2922460.

677065, 2921866; 677144, 2921773; 677204, 2921639; 677205, 2921622; 677181, 2921621; 677193, 2921569; 677218, 2921575; 677254, 2921543; 677222, 2921521; 677236, 2921421; 677248, 2921413; 677235, 2921331; 677253, 2921300; 677284, 2921309; 677375, 2921085; 677371, 2921010; 677338, 2920954; 677398, 2920906; 677396, 2920843; 677458, 2920783; 677475, 2920746; 677597, 2920317; 677571, 2920317; 677565, 2920303; 677606, 2920288; 677698, 2919914; 677727, 2919847; 677853, 2919380; 677865, 2919279; 677898, 2919216; 677992, 2918821; 677986, 2918793; 678048, 2918578; 678143, 2918074; 678197, 2917910; 678210, 2917802; 678133, 2917697; 678105, 2917700; 678030, 2917774; 677989, 2917790; 677957, 2917842; 677970, 2917929; 677943, 2917993; 677962, 2918037; 677913, 2918039; 677893, 2918072; 677887, 2918111; 677921, 2918133; 677921, 2918154; 677859, 2918163; 677844, 2918182; 677847, 2918198; 677877, 2918201; 677869, 2918249; 677891, 2918292; 677824, 2918326; 677861, 2918375; 677848, 2918382; 677755, 2918349; 677637, 2918282; 677620, 2918300; 677628, 2918328; 677661, 2918337; 677630, 2918442; 677645, 2918466; 677720, 2918490; 677715, 2918533; 677742, 2918561; 677742, 2918603; 677774, 2918642; 677770, 2918676; 677719, 2918650; 677702, 2918699; 677676, 2918577; 677587, 2918524; 677535, 2918462; 677508, 2918471; 677510, 2918521; 677571, 2918614; 677593, 2918697; 677569, 2918683; 677480, 2918519; 677447, 2918535; 677415, 2918591; 677423, 2918674; 677396, 2918755; 677408, 2918799; 677440, 2918826; 677483, 2918827; 677523, 2918854; 677621, 2918830; 677598, 2918887; 677525, 2918876; 677511, 2918903; 677537, 2918955; 677586, 2918925; 677614, 2919047; 677608, 2919056; 677573, 2919034; 677571, 2919078; 677598, 2919174; 677586, 2919181; 677562, 2919137; 677548, 2919140; 677543, 2919259; 677523, 2919250; 677525, 2919100; 677504, 2919023; 677385, 2918950; 677359, 2918976; 677351, 2919023; 677335, 2919018; 677330, 2919059; 677312, 2918949; 677288, 2918940; 677214, 2919030; 677195, 2919135; 677208, 2919167; 677273, 2919206; 677293, 2919185; 677307, 2919115; 677345,

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676628, 2920575; 676622, 2920538; 676592, 2920545; 676574, 2920570; 676588, 2920595; 676610, 2920596; Thence returning to 676628, 2920575.

676998, 2920436; 677019, 2920398; 676973, 2920378; 676946, 2920418; 676910, 2920423; 676894, 2920389; 676865, 2920433; 676873, 2920449; 676947, 2920457; 676990, 2920505; Thence returning to 676998, 2920436.

676962, 2920360; 676961, 2920312; 676983, 2920315; 676988, 2920273; 677036, 2920260; 677068, 2920280; 677105, 2920275; 677121, 2920220; 677125, 2920089; 677116, 2920053; 677074, 2920030; 677029, 2919953; 676907, 2919811; 676862, 2919799; 676836, 2919851; 676842, 2919898; 676899, 2919943; 676927, 2919940; 676904, 2920009; 676943, 2920057; 676976, 2920070; 676996, 2920107; 676985, 2920178; 676961, 2920198; 676950, 2920093; 676889, 2920034; 676828, 2920141; 676827, 2920172; 676846, 2920195; 676922, 2920201; 676905, 2920276; 676925, 2920287; 676906, 2920366; 676944, 2920375; Thence returning to 676962, 2920360.

676884, 2920255; 676828, 2920214; 676798, 2920238; 676774, 2920310; 676829, 2920341; Thence returning to 676884, 2920255.

676806, 2920167; 676820, 2920060; 676802, 2920050; 676779, 2920078; 676771, 2920052; 676843, 2920024; 676852, 2919980; 676843, 2919931; 676817, 2919890; 676722, 2920040; 676716, 2920088; 676736, 2920127; 676717, 2920166; 676747, 2920193; 676716, 2920225; 676725, 2920267; 676766, 2920254; Thence returning to 676806, 2920167.

674796, 2919758; 674769, 2919739; 674754, 2919768; 674763, 2919805; 674794, 2919785; Thence returning to 674796, 2919758.

674502, 2919598; 674466, 2919597; 674408, 2919704; 674424, 2919719; 674500, 2919730; 674523, 2919693; 674526, 2919651; Thence returning to 674502, 2919598.

674843, 2919519; 674816, 2919498; 674788, 2919525; 674757, 2919597; 674760, 2919647; 674787, 2919678; 674824, 2919644; 674846, 2919595; Thence returning to 674843, 2919519.

674103, 2919412; 674060, 2919387; 674026, 2919451; 674025, 2919516; 674049, 2919537; 674069, 2919531; 674103, 2919486; Thence returning to 674103, 2919412.

674392, 2919304; 674370, 2919280; 674348, 2919291; 674320, 2919336; 674330, 2919373; 674364, 2919378; 674399, 2919358; Thence returning to 674392, 2919304.

673649, 2919176; 673619, 2919168; 673588, 2919240; 673660, 2919258; 673665, 2919208; Thence returning to 673649, 2919176.

673977, 2919125; 673949, 2919090; 673917, 2919102; 673917, 2919139; 673935, 2919157; 673967, 2919157; Thence returning to 673977, 2919125.

673162, 2919009; 673159, 2918948; 673137, 2918949; 673123, 2919016; 673152, 2919023; Thence returning to 673162, 2919009.

673541, 2918884; 673514, 2918871; 673484, 2918895; 673472, 2918924; 673479, 2918953; 673559, 2918939; Thence returning to 673541, 2918884.

672938, 2918854; 672929, 2918828; 672893, 2918852; 672896, 2918914; 672926, 2918897; Thence returning to 672938, 2918854.

677390, 2918871; 677361, 2918862; 677343, 2918881; 677333, 2918915; 677342, 2918937; 677387, 2918893; Thence returning to 677390, 2918871.

672511, 2918627; 672499, 2918608; 672465, 2918613; 672452, 2918630; 672463, 2918696; 672506, 2918661; Thence returning to 672511, 2918627.

672835, 2918538; 672812, 2918538; 672798, 2918562; 672796, 2918603; 672812, 2918621; 672849, 2918576; Thence returning to 672835, 2918538.

674094, 2918377; 674057, 2918370; 673997, 2918415; 673985, 2918505; 673993, 2918537; 674012,

2918550; 674061, 2918545; 674117, 2918509; 674114, 2918403; Thence returning to 674094, 2918377.

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682449, 2894721; 682376, 2894660; 682251, 2894619; 682237, 2894638; 682249, 2894674; 682259, 2894690; 682302, 2894684; 682306, 2894703; 682289, 2894719; 682296, 2894729; Thence returning to 682449, 2894721.

(ii) Unit TX–3, Subunit A, Willacy County, Texas. Coordinates are in UTM Zone 14N, North American Datum 1983 (meters E, meters N):

672377, 2939107; 672358, 2939033; 672349, 2938817; 672371, 2938573; 672462, 2938034; 672615, 2937365; 672731, 2937001; 672904, 2936341; 672951, 2936233; 673054, 2935821; 673261, 2935201; 673393, 2934726; 673470, 2934511; 673512, 2934325; 673552, 2934246; 673790, 2933481; 673817, 2933347; 673964, 2932913; 674031, 2932607; 674274, 2931854; 674329, 2931635; 674350, 2931604; 674458, 2931184; 674555, 2930940; 674696, 2930494; 674730, 2930344; 674939, 2929739; 675106, 2929161; 675278, 2928649; 675309, 2928493; 675498, 2927859; 675626, 2927479; 675713, 2927142; 675832, 2926800; 675893, 2926536; 676043, 2926099; 676084, 2925915; 676158, 2925718; 676196, 2925519; 676285, 2925283; 676304, 2925175; 676370, 2925004; 676491, 2924560; 676608, 2924248; 676668, 2924035; 676716, 2923791; 677102, 2922481; 676897, 2922475; 676918, 2922541; 676897, 2922580; 676920, 2922628; 676885, 2922640; 676886, 2922693; 676924,

2922732; 676911, 2922766; 676888, 2922781; 676873, 2922968; 676761, 2923318; 676641, 2923450; 676658, 2923598; 676624, 2923639; 676546, 2923681; 676546, 2923714; 676572, 2923712; 676564, 2923747; 676471, 2923834; 676447, 2923920; 676409, 2923949; 676380, 2924026; 676338, 2924038; 676317, 2924071; 676300, 2924148; 676275, 2924155; 676273, 2924235; 676197, 2924264; 676189, 2924309; 676165, 2924363; 676155, 2924493; 676171, 2924561; 676152, 2924580; 676152, 2924601; 676163, 2924620; 676150, 2924652; 676102, 2924727; 676080, 2924860; 676088, 2924884; 676059, 2924966; 676031, 2924996; 676029, 2925044; 675995, 2925128; 676000, 2925172; 675970, 2925303; 675993, 2925360; 675981, 2925445; 676014, 2925477; 676061, 2925459; 676070, 2925494; 676029, 2925521; 676013, 2925565; 676002, 2925571; 676006, 2925600; 675986, 2925619; 675915, 2925612; 675855, 2925625; 675740, 2925707; 675745, 2925796; 675690, 2925916; 675681, 2926024; 675629, 2926091; 675601, 2926092; 675514, 2926299; 675509, 2926386; 675487, 2926431; 675495, 2926506; 675520, 2926542; 675535, 2926541; 675653, 2926506; 675700, 2926534; 675665, 2926668; 675602, 2926666; 675548, 2926693; 675527, 2926772; 675537, 2926824; 675569, 2926855; 675550, 2926901; 675532, 2926909; 675575, 2927027; 675531, 2927078; 675451, 2927115; 675453, 2927169; 675438, 2927208; 675425, 2927210; 675388, 2927214; 675355, 2927252; 675401, 2927267; 675421, 2927292; 675429, 2927302; 675401, 2927333; 675408, 2927367; 675451, 2927413; 675467, 2927452; 675441, 2927466; 675469, 2927484; 675444, 2927510; 675435, 2927589; 675407, 2927594; 675418, 2927645; 675377, 2927674; 675349, 2927741; 675346, 2927817; 675370, 2927850; 675274, 2927945; 675300, 2927960; 675292, 2928000; 675306, 2928025; 675297, 2928060; 675268, 2928084; 675276, 2928125; 675227, 2928195; 675239, 2928228; 675270, 2928251; 675267, 2928281; 675236, 2928298; 675208, 2928395; 675171, 2928454; 675120, 2928488; 675108, 2928526; 675080, 2928553; 675020, 2928538; 674974, 2928549; 674898, 2928593; 674841, 2928600; 674713, 2928698; 674703, 2928705; 674729, 2928796; 674711, 2928876; 674730, 2928906; 674729, 2928930; 674724, 2929000; 674694, 2929075; 674689, 2929155; 674701, 2929181; 674719, 2929190; 674713, 2929207; 674612, 2929219; 674621, 2929255; 674635, 2929272; 674696, 2929253; 674632, 2929352; 674644, 2929395; 674633, 2929418; 674628, 2929450; 674654, 2929445; 674664, 2929458; 674627, 2929521; 674634, 2929572; 674665, 2929580; 674695, 2929641; 674728, 2929632; 674757, 2929595; 674773, 2929600; 674763, 2929643; 674797, 2929671; 674815, 2929719; 674791, 2929737; 674788, 2929784; 674753, 2929818; 674679, 2929853; 674598, 2929932; 674542, 2929931; 674499, 2929958; 674475, 2929972; 674440, 2930048; 674521, 2930081; 674526, 2930100; 674553, 2930252; 674537, 2930315; 674544, 2930369; 674498, 2930404; 674418, 2930500; 674432, 2930531; 674402, 2930563; 674375, 2930639; 674352, 2930779; 674334, 2930801; 674300, 2930772; 674263, 2930766; 674238, 2930763; 674182, 2930854; 674180, 2930859; 674146, 2930955; 674146, 2930966; 674097, 2931110; 674089, 2931134; 674087, 2931139; 674078, 2931154; 674067, 2931175; 674027, 2931260; 674020, 2931312; 673996, 2931328; 673940, 2931426; 673939, 2931442; 673966, 2931463; 673937, 2931530; 673915, 2931530; 673905, 2931605; 673871, 2931631; 673866, 2931659; 673841, 2931663; 673773, 2931772; 673761, 2931972; 673712, 2932081; 673696, 2932107; 673715, 2932121; 673747, 2932206; 673762, 2932245; 673790, 2932261; 673831, 2932283; 673908, 2932343; 673951, 2932386; 673967, 2932429; 673978, 2932468; 673964, 2932514; 673941, 2932549; 673902, 2932566; 673870, 2932560; 673864, 2932647; 673836, 2932674; 673859, 2932714; 673861, 2932761; 673832, 2932836; 673728, 2932906; 673688, 2933008; 673659, 2933024; 673635, 2933017; 673631, 2933030; 673625, 2933052; 673605, 2933059; 673558, 2933097; 673591, 2933130; 673628, 2933129; 673649, 2933146; 673648, 2933199; 673645, 2933294; 673594, 2933248; 673484, 2933201; 673446, 2933214; 673408, 2933316; 673342, 2933336; 673310, 2933376; 673303, 2933411; 673318, 2933411; 673318, 2933494; 673290, 2933536; 673293, 2933570; 673260, 2933556; 673211, 2933608; 673208, 2933641; 673176, 2933671; 673176, 2933725; 673131, 2933778; 673123, 2933801; 673143, 2933812; 673128, 2933846; 673100, 2933883; 673055, 2933993; 673069, 2934010; 673054, 2934074; 673034, 2934079; 673016, 2934142; 673046, 2934210; 673117, 2934302; 673090, 2934319; 673075, 2934361; 673102, 2934385; 673136, 2934483; 673208, 2934542; 673184, 2934598; 673146, 2934625; 673150, 2934658; 673123, 2934670; 673114, 2934778; 673082, 2934916; 673028, 2934915; 673006, 2934906; 672962, 2934880; 672907, 2934846; 672854, 2934870; 672821, 2934908; 672772, 2935019; 672719, 2935154; 672694, 2935347; 672653, 2935425; 672639, 2935445; 672593, 2935510; 672575, 2935581; 672484, 2935804; 672469, 2935819; 672428, 2935863; 672417, 2935874; 672421, 2935918; 672450, 2935983; 672521, 2936035; 672591, 2936049; 672611, 2936077; 672595, 2936168; 672679, 2936198; 672719, 2936294; 672675, 2936344; 672666, 2936379; 672626, 2936602; 672626, 2936671; 672583, 2936669; 672561, 2936686; 672555, 2936725; 672571, 2936766; 672545, 2936782; 672504, 2936852; 672474, 2936988; 672495, 2937082; 672458, 2937104; 672461, 2937142; 672409, 2937264; 672362, 2937299; 672310, 2937307; 672369, 2937354; 672356, 2937399; 672332, 2937418; 672349, 2937463; 672225, 2937605; 672221, 2937610; 672270, 2937626; 672285, 2937663; 672240, 2937712; 672237, 2937756; 672269, 2937834; 672221, 2937894; 672238, 2937948; 672204, 2938255; 672135, 2938543; 672133, 2938638; 672150, 2938697; 672133, 2938731; 672099, 2938943; 672066, 2939019; 672029, 2939067; 671919, 2939080; 671920, 2939105; 672382, 2939136; Thence returning to 672377, 2939107.

Excluding:

Unit TX–3 Subunit A, Willacy County, Texas. Coordinates are in UTM Zone 14N, North American Datum 1983 (meters E, meters N):

670308, 2938922; 670266, 2938896; 670266, 2938944; 670298, 2938959; Thence returning to 670308, 2938922.

664147, 2938654; 664188, 2938639; 664246, 2938654; 664286, 2938615; 664321, 2938634; 664395, 2938421; 664290, 2938374; 664242, 2938297; 664223, 2938295; 664134, 2938303; 664011, 2938460; 663991, 2938458; 664023, 2938388; 664012, 2938371; 663964, 2938435; 663969, 2938476; 664001, 2938530; 664099, 2938633; Thence returning to 664147, 2938654.

665325, 2938543; 665337, 2938487; 665316, 2938500; 665313, 2938539; Thence returning to 665325, 2938543.

670176, 2938554; 670275, 2938515; 670181, 2938502; 670178, 2938485; 670227, 2938451; 670177,

2938421; 670105, 2938453; 670101, 2938478; 670129, 2938496; 670118, 2938512; 670061, 2938522; 669996, 2938506; 669978, 2938525; 669987, 2938560; 670018, 2938572; Thence returning to 670176, 2938554.

666246, 2938378; 666222, 2938375; 666170, 2938419; 666152, 2938521; 666239, 2938399; Thence returning to 666246, 2938378.

669961, 2938415; 669951, 2938390; 669841, 2938432; 669815, 2938500; 669826, 2938516; 669910, 2938522; 669923, 2938488; Thence returning to 669961, 2938415.

666005, 2938398; 666043, 2938123; 666019, 2938124; 666000, 2938190; 665988, 2938334; Thence returning to 666005, 2938398.

665928, 2938293; 665892, 2938262; 665884, 2938295; 665902, 2938357; Thence returning to 665928, 2938293.

669107, 2938109; 669076, 2938097; 669038, 2938141; 669083, 2938163; 669106, 2938141; Thence returning to 669107, 2938109.

668922, 2938132; 669028, 2938067; 669078, 2938079; 669125, 2938043; 669157, 2938040; 669183, 2938012; 669254, 2938007; 669263, 2937981; 669212, 2937968; 669210, 2937939; 669318, 2937867; 669331, 2937856; 669325, 2937835; 669176, 2937902; 669121, 2937894; 669078, 2937915; 669077, 2937932; 669149, 2937935; 669159, 2937962; 669130, 2937985; 669059, 2938003; 668933, 2938018; 668880, 2938061; 668860, 2938106; Thence returning to 668922, 2938132.

671738, 2938092; 671717, 2938054; 671656, 2938087; 671655, 2938113; Thence returning to 671738, 2938092.

669920, 2937911; 669889, 2937892; 669852, 2937917; 669847, 2937938; 669884, 2937945; Thence returning to 669920, 2937911.

670110, 2937852; 670192, 2937808; 670107, 2937749; 670067, 2937797; 670024, 2937800; 669992, 2937830; 670012, 2937846; 670060, 2937839; Thence returning to 670110, 2937852.

670246, 2937808; 670310, 2937781; 670342, 2937790; 670363, 2937772; 670412, 2937766; 670348, 2937721; 670294, 2937707; 670256, 2937675; 670232, 2937676; 670176, 2937713; 670268, 2937731; 670269, 2937762; 670241, 2937796; Thence returning to 670246, 2937808.

671097, 2937743; 671164, 2937692; 671160, 2937671; 671096, 2937695; 671068, 2937675; 671004, 2937687; 671036, 2937734; Thence returning to 671097, 2937743.

672409, 2937264; 672461, 2937142; 672458, 2937104; 672495, 2937082; 672474, 2936988; 672504, 2936852; 672545, 2936782; 672571, 2936766; 672555, 2936725; 672561, 2936686; 672583, 2936669; 672626, 2936671; 672626, 2936602; 672666, 2936379; 672675, 2936344; 672719, 2936294; 672679, 2936198; 672595, 2936168; 672611, 2936077; 672591, 2936049; 672521, 2936035; 672466, 2936060; 672436, 2936094; 672406, 2936073; 672347, 2936077; 672251, 2936047; 672201, 2936068; 672098, 2936058; 672071, 2936088; 672066, 2936112; 672092, 2936183; 672166, 2936275; 672149, 2936304; 672174, 2936334; 672171, 2936399; 672193, 2936457; 672297, 2936570; 672495, 2936639; 672533, 2936667; 672505, 2936678; 672365, 2936640; 672236, 2936690; 672191, 2936717; 672174, 2936750; 672138, 2936755; 672147, 2936790; 672192, 2936814; 672186, 2936846; 672202, 2936872; 672130, 2936877; 672072, 2936902; 672100, 2936943; 672094, 2936965; 672074, 2936973; 672024, 2936944; 672007, 2936998; 671989, 2937004; 671972, 2936990; 671965, 2936946; 671931, 2936945; 671920, 2937006; 671952, 2937078; 672088, 2937114; 672079, 2937130; 672003, 2937138; 672084, 2937216; 672067, 2937256; 672011, 2937257; 671926, 2937202; 671885, 2937157; 671867, 2937077; 671706, 2936970; 671640, 2936978; 671608, 2937051; 671607, 2937119; 671639, 2937182; 671688, 2937219; 671739, 2937232; 671957, 2937443; 672135, 2937489; 672225, 2937605; 672349, 2937463; 672332, 2937418; 672356, 2937399; 672369, 2937354; 672310, 2937307; 672362, 2937299; Thence returning to 672409, 2937264.

671787, 2937518; 671852, 2937488; 671759, 2937493; 671761, 2937511; Thence returning to 671787, 2937518.

671766, 2937310; 671605, 2937204; 671585, 2937207; 671582, 2937266; 671609, 2937327; 671766, 2937430; 671826, 2937445; 671871, 2937428; 671877, 2937409; Thence returning to 671766, 2937310.

669370, 2937355; 669412, 2937306; 669425, 2937338; 669453, 2937336; 669470, 2937317; 669487, 2937327; 669515, 2937286; 669532, 2937311; 669516, 2937353; 669536, 2937356; 669598, 2937275; 669590, 2937242; 669528, 2937219; 669459, 2937253; 669460, 2937207; 669436, 2937193; 669378, 2937263; Thence returning to 669370, 2937355.

669874, 2937134; 669909, 2937069; 669883, 2937056; 669858, 2937094; 669847, 2937045; 669830, 2937041; 669825, 2937077; 669843, 2937117; Thence returning to 669874, 2937134.

669687, 2937121; 669727, 2937078; 669748, 2937101; 669770, 2937087; 669779, 2937034; 669762, 2936967; 669737, 2937017; 669705, 2937043; 669681, 2937098; Thence returning to 669687, 2937121.

669674, 2937030; 669723, 2936973; 669743, 2936913; 669687, 2936968; 669641, 2936932; 669646, 2936904; 669615, 2936915; 669611, 2936985; 669639, 2937005; 669659, 2936997; Thence returning to 669674, 2937030.

671433, 2936638; 671451, 2936561; 671562, 2936508; 671591, 2936457; 671592, 2936419; 671575, 2936388; 671487, 2936378; 671475, 2936390; 671489, 2936422; 671471, 2936427; 671439, 2936413; 671429, 2936386; 671366, 2936374; 671172, 2936490; 671147, 2936522; 671203, 2936603; 671222, 2936547; 671275, 2936529; 671298, 2936538; 671273, 2936573; 671282, 2936590; 671371, 2936573; 671391, 2936592; 671378, 2936630; 671309, 2936671; 671297, 2936745; 671265, 2936776; 671257, 2936824; 671300, 2936854; 671350, 2936817; 671337, 2936752; 671444, 2936704; 671449, 2936680; Thence returning to 671433, 2936638.

671863, 2936665; 671816, 2936624; 671798, 2936625; 671778, 2936721; 671795, 2936772; 671830, 2936788; 671848, 2936767; Thence returning to 671863, 2936665.

670928, 2936625; 670913, 2936623; 670907, 2936639; 671007, 2936735; 671149, 2936749; 671217, 2936735; Thence returning to 670928, 2936625.

671681, 2936715; 671713, 2936648; 671803, 2936577; 671915, 2936676; 671907, 2936590; 671935, 2936578; 671983, 2936652; 672029, 2936662; 672051, 2936696; 672085, 2936713; 672271, 2936642; 672274, 2936603; 672171, 2936496; 672139, 2936476; 672071, 2936475; 671996, 2936369; 671941, 2936361; 671877, 2936400; 671855, 2936389; 671899, 2936335; 671998, 2936335; 672045, 2936322; 672066, 2936298; 672064, 2936216; 672019, 2936092; 671933, 2936073; 671874,

2936158; 671838, 2936180; 671830, 2936235; 671807, 2936276; 671714, 2936362; 671730, 2936491; 671721, 2936552; 671696, 2936565; 671669, 2936557; 671612, 2936513; 671477, 2936571; 671462, 2936594; 671464, 2936636; 671517, 2936697; 671545, 2936712; 671584, 2936700; Thence returning to 671681, 2936715.

671263, 2936335; 671142, 2936330; 671133, 2936348; 671167, 2936364; 671123, 2936409; 671122, 2936443; 671138, 2936459; 671229, 2936429; 671236, 2936389; 671264, 2936369; 671269, 2936348; Thence returning to 671263, 2936335.

671262, 2936305; 671354, 2936274; 671365, 2936291; 671328, 2936331; 671355, 2936335; 671491, 2936273; 671594, 2936199; 671588, 2936182; 671529, 2936192; 671507, 2936178; 671495, 2936158; 671503, 2936098; 671489, 2936083; 671457, 2936100; 671420, 2936185; 671367, 2936182; 671318, 2936230; 671302, 2936210; 671352, 2936136; 671347, 2936115; 671311, 2936147; 671271, 2936115; 671218, 2936126; 671171, 2936189; 671086, 2936216; 671050, 2936252; 671041, 2936289; 671055, 2936360; 671082, 2936372; 671083, 2936319; 671096, 2936304; Thence returning to 671262, 2936305.

671704, 2935988; 671678, 2935982; 671600, 2936002; 671569, 2936042; 671532, 2936049; 671543, 2936066; 671605, 2936083; 671662, 2936059; 671711, 2936025; Thence returning to 671704, 2935988.

671909, 2936007; 671893, 2935990; 671822, 2936050; 671867, 2936058; Thence returning to 671909, 2936007.

671461, 2935998; 671491, 2935949; 671525, 2935955; 671546, 2935931; 671560, 2935896; 671548, 2935854; 671456, 2935864; 671416, 2935841; 671358, 2935841; 671332, 2935907; 671345, 2935924; 671413, 2935906; 671437, 2935920; 671445, 2936001; Thence returning to 671461, 2935998.

672068, 2935683; 671863, 2935580; 671807, 2935591; 671723, 2935573; 671682, 2935571; 671659, 2935597; 671654, 2935689; 671688, 2935780; 671761, 2935858; 671839, 2935899; 671935, 2935922; 672017, 2935914; 672073, 2935870; 672080, 2935819; 672047, 2935748; 672075, 2935704; Thence returning to 672068, 2935683.

672428, 2935863; 672387, 2935857; 672379, 2935869; 672421, 2935918; 672417, 2935874; Thence returning to 672428, 2935863.

672349, 2935807; 672318, 2935788; 672308, 2935823; 672343, 2935838; Thence returning to 672349, 2935807.

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(2) Subunit TX–3B: South Padre Island—Laguna Madre side: 17,862 hectares (44,137 acres) in Cameron and Willacy Counties, Texas.

(i) Unit TX–3, Subunit B, Cameron County, Texas. Coordinates are in UTM Zone 14N, North American Datum 1983 (meters E, meters N):

680954, 2904601; 680932, 2904612; 680932, 2904755; 680956, 2904703; Thence returning to 680954, 2904601.

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(ii) Unit TX–3, Subunit B, Willacy County, Texas. Coordinates are in UTM Zone 14N, North American Datum 1983 (meters E, meters N):

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(3) Subunit TX–3C: North Padre Island—Laguna Madre side: 20,597 hectares (50,897 acres) in Kenedy and Willacy Counties, Texas.

(i) Unit TX–3, Subunit C, Kenedy County, Texas. Coordinates are in UTM Zone 14N,

North American Datum 1983 (meters E, meters N):

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Excluding:

Unit TX–3 Subunit C, Kenedy County, Texas. Coordinates are in UTM Zone 14N, North American Datum 1983 (meters E, meters N):

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661817, 2954973; 661899, 2954916; 661921, 2954875; 661879, 2954857; 661869, 2954812; 661833, 2954786; 661782, 2954778; 661748, 2954792; 661678, 2954843; 661640, 2954923; 661657, 2954966; 661741, 2954950; 661745, 2954982; 661777, 2954990; Thence returning to 661817, 2954973.

661982, 2954574; 661944, 2954563; 661829, 2954659; 661808, 2954694; 661820, 2954714; 661954, 2954713; 662001, 2954686; 662019, 2954643; 662013, 2954609; Thence returning to 661982, 2954574.

660556, 2949639; 660500, 2949583; 660448, 2949592; 660415, 2949627; 660393, 2949679; 660355, 2949835; 660358, 2949856; 660413, 2949899; 660493, 2949865; 660546, 2949808; 660579, 2949727; 660576, 2949675; Thence returning to 660556, 2949639.

661092, 2949601; 661066, 2949585; 660984, 2949597; 660952, 2949643; 660918, 2949766; 660929, 2949852; 660955, 2949881; 660986, 2949884; 661018, 2949828; 661083, 2949813; 661102, 2949729; Thence returning to 661092, 2949601.

660832, 2949631; 660823, 2949596; 660796, 2949596; 660770, 2949618; 660765, 2949756; 660792, 2949760; Thence returning to 660832, 2949631.

660741, 2949679; 660706, 2949674; 660694, 2949686; 660693, 2949727; 660708, 2949743; 660724, 2949738; Thence returning to 660741, 2949679.

659982, 2949083; 659957, 2949071; 659937, 2949107; 659967, 2949125; Thence returning to 659982, 2949083.

663288, 2946483; 663237, 2946471; 663181, 2946502; 663026, 2946760; 662912, 2946910; 662900, 2946969; 662917, 2947043; 663001, 2947060; 663061, 2947011; 663182, 2946769; 663300, 2946588; 663314, 2946513; Thence returning to 663288, 2946483.

(ii) Unit TX–3, Subunit C, Willacy County, Texas. Coordinates are in UTM Zone 14N, North American Datum 1983 (meters E, meters N):

667115, 2940198; 667414, 2939295; 667380, 2939298; 667306, 2939259; 667098, 2939258; 666957, 2939228; 666889, 2939171; 666865, 2939110; 666824, 2939105; 666835, 2939178; 666807, 2939224; 666790, 2939224; 666750, 2939165; 666709, 2939207; 666670, 2939223; 666538, 2939217; 666415, 2939236; 666405, 2939215; 666426, 2939165; 666384, 2939127; 666383, 2939079; 666355, 2939076; 666339, 2939076; 666355, 2939098; 666338, 2939223; 666294, 2939272; 666286, 2939231; 666311, 2939183; 666287, 2939074; 666254, 2939074; 666256, 2939121; 666177, 2939154; 666136, 2939198; 666113, 2939253; 666081, 2939276; 665931, 2939330; 665871, 2939300; 665844, 2939343; 665810, 2939364; 665789, 2939436; 665704, 2939541; 665767, 2939197; 665816, 2939088; 665827, 2939078; 665868, 2939095; 665920, 2939141; 665925, 2939170; 665896, 2939203; 665910, 2939216; 666070, 2939160; 666124, 2939118; 666134, 2939092; 665981, 2939137; 665915, 2939058; 665712, 2939052; 665623, 2939094; 665585, 2939060; 665492, 2939042; 665447, 2939113; 665533, 2939090; 665593, 2939127; 665637, 2939184; 665669, 2939153; 665690, 2939094; 665728, 2939077; 665744, 2939093; 665692, 2939270; 665618, 2939447; 665585, 2939501; 665566, 2939507; 665527, 2939411; 665446, 2939327; 665449, 2939139; 665439, 2939130; 665412, 2939152; 665455, 2939044; 665429, 2939028; 665321, 2939039; 665270, 2939024; 665207, 2939067; 665117, 2939071; 665062, 2939016; 664889, 2938974; 664382, 2938994; 664122, 2938932; 663761, 2938924; 663293, 2938881; 663284, 2938908; 663323, 2938909; 663353, 2938931; 663518, 2938929; 663751, 2938982; 664155, 2938975; 664252, 2939008; 664300, 2939053; 664340, 2939122; 664446, 2939115; 664600, 2939021; 664814, 2939019; 664843, 2939047; 664906, 2939257; 664980, 2939393; 665008, 2939542; 664994, 2939626; 664773, 2940159; 664477, 2940663; 664241, 2941138; 664002, 2941544; 663831, 2941796; 663561, 2942341; 663289, 2942843; 663170, 2943023; 663031, 2943195; 666036, 2943243; 667115, 2940198; 665283, 2939163; 665290, 2939105; 665263, 2939147; 665246, 2939131; 665270, 2939070; 665292, 2939052; 665319, 2939060; 665329, 2939080; 665266, 2939244; 665283, 2939163; 664422, 2939083; 664407, 2939077; 664410, 2939055; 664449, 2939014; 664473, 2939016; 664480, 2939046; Thence returning to 664422, 2939083.

Excluding:

Unit TX–3 Subunit C, Willacy County, Texas. Coordinates are in UTM Zone 14N, North American Datum 1983 (meters E, meters N):

665266, 2939244; 665329, 2939080; 665319, 2939060; 665292, 2939052; 665270, 2939070; 665246, 2939131; 665263, 2939147; 665290, 2939105; 665283, 2939163; Thence returning to 665266, 2939244.

664473, 2939016; 664449, 2939014; 664410, 2939055; 664407, 2939077; 664422, 2939083; 664480, 2939046; Thence returning to 664473, 2939016.

(4) Subunit TX–3D: North Padre Island—Gulf of Mexico: 109 hectares (270 acres) in Kleberg County, Texas.

(i) Unit TX–3, Subunit TX–3, Subunit D, Kleberg County, Texas. Coordinates are in UTM Zone 14N, North American Datum 1983 (meters E, meters N):

673980, 3048165; 672224, 3044203; 671961, 3043590; 671894, 3043382; 671360, 3042145; 671223, 3042143; 671722, 3043337; 671910, 3043749; 671949, 3043864; 672116, 3044204; 672647, 3045437; 673307, 3046888; 673312, 3046935; 673493, 3047302; 673797, 3048007; 673831, 3048053; 673837, 3048092; 673814, 3048097; 673763, 3048071; 673739, 3048085; 673760, 3048085; 673778, 3048107; 673700, 3048191; 673694, 3048228; 673705, 3048240; 673770, 3048233; 673845, 3048110; 674208, 3048945; 674402, 3049344; 675090, 3050888; 675202, 3051105; 675253, 3051246; 675356, 3051449; 675444, 3051401; 674870, 3050176; Thence returning to 673980, 3048165.

(5) Subunit TX–3E: North Padre Island—Mesquite Rincon: 3,894 hectares (9,623 acres) in Kenedy County, Texas.

(i) Unit TX–3, Subunit E, Kenedy County, Texas. Coordinates are in UTM Zone 14N, North American Datum 1983 (meters E, meters N):

650814, 2961209; 650823, 2961183; 650791, 2961109; 650638, 2961142; 650589, 2961194; 650675, 2961175; Thence returning to 650814, 2961209.

651785, 2961238; 651751, 2961241; 651762, 2961261; 651740, 2961323; 651773, 2961292; Thence returning to 651785, 2961238.

650761, 2961323; 650734, 2961295; 650667, 2961282; 650585, 2961234; 650614, 2961300; 650665, 2961316; 650688, 2961355; 650765, 2961393; 650772, 2961351; Thence returning to 650761, 2961323.

651683, 2961584; 651713, 2961529; 651693, 2961499; 651636, 2961522; 651571, 2961521; 651500, 2961593; 651613, 2961576; 651663, 2961599; Thence returning to 651683, 2961584.

651837, 2961624; 651826, 2961501; 651807, 2961455; 651762, 2961429; 651688, 2961455; 651684, 2961465; 651734, 2961457; 651811, 2961514; 651810, 2961542; 651743, 2961601; 651757, 2961615; 651796, 2961589; 651770, 2961689; 651817, 2961671; Thence returning to 651837, 2961624.

650466, 2961772; 650487, 2961782; 650506, 2961823; 650557, 2961795; 650596, 2961829; 650625, 2961813; 650678, 2961843; 650694, 2961836; 650691, 2961749; 650681, 2961742; 650648, 2961782; 650627, 2961782; 650555, 2961719; 650570, 2961663; 650518, 2961649; 650490, 2961613; 650500, 2961564; 650524, 2961541; 650612, 2961519; 650605, 2961469; 650556, 2961470; 650515, 2961506; 650479, 2961497; 650417, 2961630; 650419, 2961703; 650399, 2961734; 650369, 2961721; 650358, 2961652; 650306, 2961691; 650357, 2961761; 650345, 2961829; 650363, 2961851; 650419, 2961852; Thence returning to 650466, 2961772.

651280, 2962209; 651300, 2962168; 651254, 2962201; 651247, 2962177; 651214, 2962177; 651199, 2962158; 651160, 2962208; 651153, 2962260; 651166, 2962276; 651197, 2962271; Thence returning to 651280, 2962209.

650062, 2962315; 650040, 2962320; 650019, 2962365; 650051, 2962417; 650076, 2962352; Thence returning to 650062, 2962315.

648564, 2964157; 648625, 2964160; 648625, 2964137; 648540, 2964071; 648524, 2964074; 648524, 2964090; 648549, 2964120; 648544, 2964133; 648467, 2964120; 648451, 2964139; 648459, 2964164; 648491, 2964173; Thence returning to 648564, 2964157.

648452, 2964382; 648500, 2964334; 648552, 2964380; 648595, 2964342; 648554, 2964312; 648496, 2964306; 648418, 2964360; Thence returning to 648452, 2964382.

651440, 2963757; 651430, 2963690; 651405, 2963688; 651448, 2963473; 651401, 2963529; 651361, 2963535; 651337, 2963610; 651338, 2963715; 651355, 2963796; 651409, 2963932; 651367, 2964078; 651356, 2964342; 651239, 2964820; 651261, 2965050; 651284, 2965028; 651294, 2964988; 651273, 2964804; 651310, 2964728; 651312, 2964631; 651397, 2964348; 651434, 2964023; 651457, 2963925; Thence returning to 651440, 2963757.

651156, 2965918; 651274, 2965651; 651283, 2965548; 651243, 2965412; 651215, 2965422; 651186, 2965466; 651196, 2965660; 651178, 2965668; 651152, 2965596; 651144, 2965679; 651103, 2965724; 651090, 2965822; 651042, 2965864; 651040, 2965889; 651060, 2965900; 650997, 2966041; 650995, 2966117; Thence returning to 651156, 2965918.

650968, 2966016; 650980, 2965986; 650956, 2965941; 651002, 2965841; 650983, 2965839; 650848, 2965956; 650776, 2965969; 650795, 2965991; 650733, 2966003; 650710, 2965971; 650852, 2965929; 650927, 2965868; 650976, 2965795; 650983, 2965700; 651061, 2965587; 651072, 2965434; 651104, 2965346; 651104, 2965227; 651147, 2965165; 651180, 2965037; 651220, 2964986; 651216, 2964965; 651186, 2964951; 651184, 2964841; 651298, 2964465; 651286, 2964459; 651261, 2964489; 651253, 2964482; 651248, 2964395; 651285, 2964289; 651286, 2964241; 651245, 2964203; 651224, 2964087; 651203, 2964145; 651186, 2964139; 651175, 2963537; 651190, 2963416; 651255, 2963358; 651257, 2963282; 651348, 2962961; 651413, 2962600; 651390, 2962573; 651380, 2962698; 651364, 2962713; 651355, 2962591; 651375, 2962527; 651410, 2962502; 651432, 2962462; 651450, 2962321; 651425, 2962306; 651330, 2962397; 651311, 2962404; 651308, 2962379; 651393, 2962292; 651441, 2962280; 651468, 2962139; 651533, 2962068; 651529, 2961982; 651558, 2961931; 651544, 2961863; 651470, 2961700; 651470, 2961760; 651505, 2961852; 651508, 2961904; 651490, 2962043; 651426, 2962145; 651403, 2962251; 651359, 2962280; 651263, 2962308; 651190, 2962427; 651137, 2962484; 651128, 2962588; 651143, 2962654; 651249, 2962695; 651324, 2962807; 651334, 2962886; 651263, 2963199; 651180, 2963372; 651144, 2963490; 651147, 2964059; 651099, 2964120; 650941, 2964170; 650899, 2964175; 650842, 2964143; 650799, 2964143; 650754, 2964210; 650712, 2964339; 650711, 2964381; 650733, 2964447; 650952, 2964747; 651025, 2964883; 651051, 2964966; 651035, 2965040; 650944, 2965164; 650896, 2965272; 650767, 2965437; 650757, 2965549; 650738, 2965593; 650609, 2965696; 650549, 2965788; 650463, 2965877; 650476, 2965899; 650586, 2965924; 650836, 2965692; 650883, 2965691; 650866, 2965727; 650641, 2965951; 650535, 2966089; 650514, 2966222; 650558, 2966357; 650571, 2966500; 650612, 2966512; 650696, 2966468; 650696, 2966436; 650818, 2966325; 650872, 2966239; 650922, 2966196; 650914, 2966134; 650895, 2966102; 650968, 2966016; 650685, 2965800; 650612, 2965826; 650604, 2965802; 650623, 2965781; 650695, 2965756; 650778, 2965675; 650785, 2965654; 650765, 2965649; 650684, 2965709; 650642, 2965717; 650791, 2965575; 650797, 2965442; 650815, 2965408; 650829, 2965412; 650828, 2965489; 650885, 2965370; 650931, 2965340; 650857, 2965532; 650842, 2965628; 650770, 2965728; 650685, 2965800; 651078, 2965041; 651097, 2965049; 651083, 2965097; 651011, 2965208; 650946, 2965263; 650951, 2965231; 651044, 2965062; 651078, 2965041; 651130, 2964669; 651132, 2964562; 651153, 2964521; 651158, 2964599; 651182, 2964642; 651168, 2964715; 651146, 2964707; 651130, 2964669; 651058, 2964567; 650987, 2964508; 650994, 2964492; 651072, 2964516; 651058, 2964567; 651173, 2964496; 651166, 2964448; 651192, 2964393; 651220, 2964376; 651188, 2964484; 651173, 2964496; 651027, 2964464; 650900, 2964424; 650934, 2964384; 650970, 2964384; 651023, 2964427; 651027, 2964464; 650984, 2964565; 650993, 2964592; 650952, 2964631; 650949, 2964585; 650958, 2964568; 650984, 2964565; 651104, 2964308; 651024, 2964299; 650984, 2964271; 650999, 2964254; 651137, 2964243; 651149, 2964261; 651137, 2964326; 651117, 2964341; 651104, 2964308; 651238, 2964269; 651266, 2964279; 651250, 2964325; 651234, 2964331; 651221, 2964315; Thence returning to 651238, 2964269.

643228, 2969265; 643183, 2969264; 643204, 2969297; 643250, 2969279; Thence returning to 643228, 2969265.

643320, 2969309; 643242, 2969330; 643329, 2969360; Thence returning to 643320, 2969309.

643548, 2969627; 643538, 2969653; 643552, 2969641; Thence returning to 643548, 2969627.

651837, 2971038; 651862, 2971038; 651910, 2970985; 651922, 2970930; 651907, 2970924; 651797, 2970998; 651803, 2971104; Thence returning to 651837, 2971038.

648563, 2971240; 648641, 2971259; 648653, 2971303; 648645, 2971323; 648816, 2971323; 648895, 2971266; 648961, 2971241; 648992, 2971251; 648986, 2971323; 649001, 2971322; 649044, 2971306; 649049, 2971276; 649036, 2971265; 649045, 2971242; 649122, 2971215; 649213, 2971230; 649214, 2971265; 649323,

2971262; 649367, 2971280; 649358, 2971295; 649282, 2971294; 649189, 2971321; 649781, 2971320; 649762, 2971266; 649775, 2971249; 649805, 2971279; 649806, 2971320; 650076, 2971320; 650124, 2971294; 650139, 2971295; 650145, 2971319; 650572, 2971317; 650606, 2971302; 650645, 2971258; 650675, 2971250; 650695, 2971260; 650702, 2971311; 650729, 2971287; 650732, 2971251; 650814, 2971297; 650814, 2971318; 651048, 2971316; 651063, 2971298; 651137, 2971316; 651551, 2971315; 651546, 2971277; 651484, 2971309; 651463, 2971302; 651474, 2971250; 651529, 2971223; 651626, 2971237; 651641, 2971289; 651666, 2971316; 651852, 2971315; 651850, 2971300; 651814, 2971299; 651806, 2971285; 651816, 2971240; 651846, 2971257; 651866, 2971245; 651870, 2971129; 651854, 2971125; 651814, 2971158; 651710, 2971126; 651729, 2971066; 651669, 2970918; 651653, 2970984; 651683, 2971083; 651631, 2971179; 651503, 2971196; 651490, 2971176; 651491, 2971140; 651462, 2971113; 651475, 2971075; 651553, 2971047; 651547, 2971022; 651487, 2970985; 651479, 2970948; 651492, 2970877; 651523, 2970820; 651575, 2970789; 651528, 2970767; 651507, 2970712; 651549, 2970608; 651527, 2970605; 651475, 2970642; 651451, 2970624; 651451, 2970552; 651484, 2970402; 651555, 2970332; 651674, 2970298; 651814, 2970327; 651916, 2970369; 652036, 2970456; 652177, 2970597; 652217, 2970695; 652245, 2970850; 652255, 2971087; 652230, 2971314; 652346, 2971314; 652364, 2971274; 652396, 2971302; 652400, 2971147; 652362, 2970872; 652356, 2970582; 652352, 2970568; 652303, 2970786; 652294, 2970693; 652309, 2970450; 652252, 2970047; 652236, 2969825; 652203, 2969669; 652127, 2969669; 652120, 2969680; 652119, 2969708; 652168, 2969757; 652186, 2969801; 652201, 2969887; 652188, 2969906; 652152, 2969791; 652062, 2969723; 652076, 2969669; 649970, 2969655; 649097, 2970549; 648696, 2970993; 648376, 2971322; 648507, 2971324; 648507, 2971277; 648563, 2971240; 649568, 2971221; 649583, 2971226; 649585, 2971251; 649566, 2971247; 649568, 2971221; 650286, 2971242; 650297, 2971210; 650338, 2971193; 650363, 2971115; 650259, 2971207; 650237, 2971210; 650219, 2971180; 650334, 2971027; 650369, 2970934; 650402, 2970903; 650459, 2970894; 650533, 2970852; 650655, 2970867; 650743, 2970839; 650766, 2970851; 650772, 2970915; 650811, 2970980; 650882, 2971000; 650882, 2971088; 650861, 2971127; 650876, 2971179; 650781, 2971171; 650756, 2971134; 650766, 2971099; 650741, 2971083; 650679, 2971124; 650605, 2971114; 650588, 2971048; 650594, 2970981; 650613, 2970946; 650584, 2970938; 650477, 2971119; 650453, 2971232; 650420, 2971300; 650321, 2971292; 650289, 2971263; 650286, 2971242; 651045, 2971205; 650994, 2971133; 650992, 2971088; 650923, 2971080; 650903, 2970962; 650831, 2970940; 650812, 2970916; 650813, 2970847; 650854, 2970809; 650849, 2970751; 650876, 2970727; 651012, 2970717; 651068, 2970738; 651093, 2970766; 651112, 2971205; 651092, 2971229; 651045, 2971205; 651664, 2971202; 651688, 2971166; 651746, 2971164; 651771, 2971214; 651765, 2971276; 651746, 2971286; 651687, 2971262; 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Excluding:

Unit TX–3 Subunit E, Kenedy County, Texas. Coordinates are in UTM Zone 14N, North American Datum 1983 (meters E, meters N):

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651244, 2960743; 651252, 2960700; 651174, 2960700; 651190, 2960737; 651223, 2960757; Thence returning to 651244, 2960743.

651471, 2960560; 651474, 2960533; 651441, 2960533; 651421, 2960588; 651448, 2960588; Thence returning to 651471, 2960560.

651803, 2960525; 651786, 2960465; 651738, 2960411; 651678, 2960384; 651462, 2960358; 651418, 2960385; 651308, 2960374; 651319, 2960408; 651310, 2960471; 651329, 2960493; 651397, 2960515; 651503, 2960497; 651656, 2960505; 651653, 2960553; 651678, 2960574; 651796, 2960557; Thence returning to 651803, 2960525.

651598, 2960529; 651545, 2960522; 651518, 2960548; 651520, 2960562; 651558, 2960567; 651589, 2960555; Thence returning to 651598, 2960529.

651903, 2959857; 651843, 2959804; 651757, 2959862; 651785, 2959890; 651881, 2959896; 651901, 2959887; Thence returning to 651903, 2959857.

651524, 2959720; 651530, 2959678; 651476, 2959689; 651466, 2959738; 651497, 2959735; Thence returning to 651524, 2959720.

651833, 2959641; 651835, 2959627; 651784, 2959620; 651779, 2959604; 651804, 2959584; 651866, 2959576; 651869, 2959540; 651843, 2959529; 651761, 2959571; 651741, 2959570; 651741, 2959536; 651729, 2959535; 651695, 2959583; 651656, 2959599; 651668, 2959633; 651712, 2959628; 651758, 2959653; 651804, 2959662; Thence returning to 651833, 2959641.

651924, 2959599; 651905, 2959594; 651898, 2959626; 651923, 2959648; Thence returning to 651924, 2959599.

UNIT TX–4: LOWER LAGUNA MADRE MAINLAND: 6,970 HECTARES (17,223 ACRES) IN CAMERON AND WILLACY COUNTIES, TEXAS.

(1) Unit TX–4, Cameron County, Texas. Coordinates are in UTM Zone 14N, North American Datum 1983 (meters E, meters N):

669971, 2904321; 669974, 2904185; 669933, 2904077; 669841, 2903994; 669765, 2903995; 669735, 2904053; 669734, 2904090; 669753, 2904111; 669839, 2904140; 669866, 2904170; 669910, 2904262; 669921, 2904388; 669951, 2904381; 669971, 2904321; 669864, 2904093; 669831, 2904091; 669798, 2904059; 669761, 2904065; 669757, 2904052; 669785, 2904014; 669799, 2904014; 669906, 2904097; 669939, 2904163; 669957, 2904250; 669946, 2904318; 669912, 2904166; Thence returning to 669864, 2904093.

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662402, 2920625; 662370, 2920684; 662347, 2920693; 662331, 2920667; 662370, 2920579; 662496, 2920591; 662497, 2920574; 662511, 2920571; 662539, 2920618; 662598, 2920663; 662492, 2920829; 662477, 2920793; 662446, 2920770; 662461, 2920717; 662474, 2920718; 662499, 2920763; 662523, 2920736; 662526, 2920702; 662496, 2920591; 662644, 2920558; 662618, 2920540; 662647, 2920493; 662644, 2920558; 661034, 2921319; 660969, 2921322; 660834, 2921283; 660795, 2921243; 660792, 2921213; 660838, 2921177; 660954, 2921153; 660994, 2921161; 661074, 2921207; 661091, 2921241; 661086, 2921280; 661034, 2921319; 664001, 2919484; 664015, 2919412; 663957, 2919324; 663951, 2919269; 663998, 2919317; 664038, 2919319; 664088, 2919357; 664219, 2919542; 664179, 2919538; 664107, 2919419; 664057, 2919380; 664039, 2919463; 664055, 2919496; 664044, 2919580; 664009, 2919614; 663945, 2919626; 663946, 2919611; 664000, 2919582; 664001, 2919540; 664020, 2919520; 664001, 2919484; 662160, 2919416; 662143, 2919426; 662119, 2919415; 662122, 2919372; 662146, 2919344; 662172, 2919365; 662160, 2919416; 664533, 2919232; 664519, 2919215; 664445, 2919207; 664420, 2919171; 664489, 2919192; 664526, 2919188; 664564, 2919211; 664680, 2919090; 664688, 2919128; 664726, 2919125; 664696, 2919159; 664644, 2919167; 664583, 2919257; 664533, 2919232; 662505, 2919131; 662485, 2919167; 662450, 2919169; 662474, 2919085; 662502, 2919106; 662505, 2919131; 664549, 2918116; 664525, 2918096; 664473, 2918097; 664525, 2918049; 664567, 2918083; 664599, 2918079; 664581, 2918107; 664549, 2918116; 665397, 2917398; 665340, 2917380; 665321, 2917299; 665281, 2917394; 665254, 2917392; 665249, 2917354; 665347, 2917210; 665419, 2917181; 665439, 2917192; 665446, 2917242; 665397, 2917398; 665265, 2917489; 665231, 2917487; 665230, 2917449; 665255, 2917463; 665298,

2917448; 665326, 2917457; 665265, 2917489; 665915, 2918683; 665983, 2918661; 665934, 2918711; Thence returning to 665915, 2918683.

Excluding:

Unit TX–4, Cameron County, Texas. Coordinates are in UTM Zone 14N, North American Datum 1983 (meters E, meters N):

664408, 2922301; 664597, 2922304; 664677, 2922202; 664648, 2922123; 664633, 2922115; 664506, 2922112; 664453, 2922131; 664412, 2922194; 664370, 2922225; 664372, 2922244; 664408, 2922268; Thence returning to 664408, 2922301.

662927, 2922279; 663007, 2922281; 663012, 2922281; 663067, 2922149; 663076, 2922069; 663044, 2922087; Thence returning to 662927, 2922279.

661307, 2921705; 661247, 2921635; 661235, 2921654; 661243, 2921703; 661262, 2921731; 661305, 2921740; Thence returning to 661307, 2921705.

661326, 2921658; 661260, 2921598; 661169, 2921573; 661140, 2921527; 661119, 2921540; 661123, 2921589; 661153, 2921621; 661206, 2921631; 661254, 2921620; 661304, 2921652; Thence returning to 661326, 2921658.

660994, 2921161; 660954, 2921153; 660838, 2921177; 660792, 2921213; 660795, 2921243; 660834, 2921283; 660969, 2921322; 661034, 2921319; 661086, 2921280; 661091, 2921241; 661074, 2921207; Thence returning to 660994, 2921161.

663381, 2920588; 663412, 2920210; 663429, 2920213; 663451, 2920270; 663486, 2920280; 663587, 2920201; 663653, 2920205; 663657, 2920172; 663542, 2920179; 663490, 2920245; 663464, 2920235; 663438, 2920172; 663418, 2920158; 663373, 2920210; 663359, 2920251; 663379, 2920307; 663359, 2920369; 663353, 2920524; 663333, 2920555; 663317, 2920654; 663251, 2920854; 663210, 2920900; 663151, 2920919; 663153, 2920949; 663201, 2920982; 663189, 2921063; 663213, 2921078; 663226, 2921119; 663323, 2920878; 663325, 2920737; 663357, 2920684; Thence returning to 663381, 2920588.

662492, 2920829; 662598, 2920663; 662539, 2920618; 662511, 2920571; 662497, 2920574; 662496, 2920591; 662526, 2920702; 662523, 2920736; 662499, 2920763; 662474, 2920718; 662461, 2920717; 662446, 2920770; 662477, 2920793; Thence returning to 662492, 2920829.

662404, 2920583; 662370, 2920579; 662331, 2920667; 662347, 2920693; 662370, 2920684; 662402, 2920625; Thence returning to 662404, 2920583.

662346, 2920589; 662355, 2920536; 662398, 2920548; 662404, 2920538; 662334, 2920454; 662303, 2920447; 662315, 2920498; 662291, 2920597; 662301, 2920625; Thence returning to 662346, 2920589.

662177, 2920574; 662148, 2920559; 662139, 2920580; 662160, 2920596; Thence returning to 662177, 2920574.

662644, 2920558; 662647, 2920493; 662618, 2920540; Thence returning to 662644, 2920558.

662639, 2920451; 662649, 2920360; 662625, 2920264; 662628, 2920076; 662575, 2919999; 662369, 2920177; 662359, 2920215; 662372, 2920223; 662463, 2920186; 662466, 2920251; 662452, 2920263; 662427, 2920240; 662425, 2920274; 662459, 2920292; 662500, 2920262; 662523, 2920264; 662525, 2920298; 662470, 2920316; 662470, 2920347; 662494, 2920361; 662571, 2920351; 662606, 2920395; 662553, 2920387; 662564, 2920416; 662600, 2920440; 662556, 2920460; 662554, 2920475; 662602, 2920485; Thence returning to 662639, 2920451.

662393, 2920290; 662375, 2920281; 662372, 2920311; 662400, 2920354; 662408, 2920338; Thence returning to 662393, 2920290.

662321, 2920211; 662308, 2920179; 662292, 2920187; 662299, 2920240; 662317, 2920235; Thence returning to 662321, 2920211.

664039, 2919463; 664057, 2919380; 664107, 2919419; 664179, 2919538; 664219, 2919542; 664088, 2919357; 664038, 2919319; 663998, 2919317; 663951, 2919269; 663957, 2919324; 664015, 2919412; 664001, 2919484; 664020, 2919520; 664001, 2919540; 664000, 2919582; 663946, 2919611; 663945, 2919626; 664009, 2919614; 664044, 2919580; 664055, 2919496; Thence returning to 664039, 2919463.

662172, 2919365; 662146, 2919344; 662122, 2919372; 662119, 2919415; 662143, 2919426; 662160, 2919416; Thence returning to 662172, 2919365.

664583, 2919257; 664644, 2919167; 664696, 2919159; 664726, 2919125; 664688, 2919128; 664680, 2919090; 664564, 2919211; 664526, 2919188; 664489, 2919192; 664420, 2919171; 664445, 2919207; 664519, 2919215; 664533, 2919232; Thence returning to 664583, 2919257.

662502, 2919106; 662474, 2919085; 662450, 2919169; 662485, 2919167; 662505, 2919131; Thence returning to 662502, 2919106.

665934, 2918711; 665983, 2918661; 665915, 2918683; Thence returning to 665934, 2918711.

664581, 2918107; 664599, 2918079; 664567, 2918083; 664525, 2918049; 664473, 2918097; 664525, 2918096; 664549, 2918116; Thence returning to 664581, 2918107.

665265, 2917489; 665326, 2917457; 665298, 2917448; 665255, 2917463; 665230, 2917449; 665231, 2917487; Thence returning to 665265, 2917489.

665397, 2917398; 665446, 2917242; 665439, 2917192; 665419, 2917181; 665347, 2917210; 665249, 2917354; 665254, 2917392; 665281, 2917394; 665321, 2917299; 665340, 2917380; Thence returning to 665397, 2917398.

666246, 2911721; 666188, 2911711; 666187, 2911735; 666207, 2911756; 666266, 2911767; Thence returning to 666246, 2911721.

668068, 2909714; 668039, 2909687; 667998, 2909697; 667978, 2909743; 667980, 2909801; 668045, 2909798; 668073, 2909758; Thence returning to 668068, 2909714

667646, 2909514; 667598, 2909500; 667544, 2909543; 667548, 2909589; 667621, 2909632; 667671, 2909623; 667688, 2909590; 667681, 2909551; Thence returning to 667646, 2909514.

668402, 2909449; 668275, 2909375; 668264, 2909394; 668295, 2909427; 668306, 2909507; 668336, 2909552; 668393, 2909574; 668435, 2909614; 668487, 2909601; 668491, 2909578; 668441, 2909538; Thence returning to 668402, 2909449.

667954, 2909292; 667935, 2909278; 667893, 2909280; 667858, 2909312; 667860, 2909349; 667876, 2909367; 667970, 2909426; 667988, 2909404; 667966, 2909350; Thence returning to 667954, 2909292.

670904, 2906728; 670867, 2906678; 670809, 2906697; 670784, 2906746; 670778, 2906806; 670862, 2906855; 670944, 2906857; 670979, 2906851; 670991,

2906834; 670980, 2906780; Thence returning to 670904, 2906728.

671081, 2906789; 671067, 2906772; 671034, 2906775; 671035, 2906826; 671067, 2906834; Thence returning to 671081, 2906789.

671663, 2904718; 671650, 2904715; 671646, 2904734; 671659, 2904740; Thence returning to 671663, 2904718.

669906, 2904097; 669799, 2904014; 669785, 2904014; 669757, 2904052; 669761, 2904065; 669798, 2904059; 669831, 2904091; 669864, 2904093; 669912, 2904166; 669946, 2904318; 669957, 2904250; 669939, 2904163; Thence returning to 669906, 2904097.

(2) Unit TX–4, Willacy County, Texas. Coordinates are in UTM Zone 14N, North American Datum 1983 (meters E, meters N):

660109, 2921783; 660047, 2921788; 660184, 2921853; 660326, 2921984; 660223, 2921833; Thence returning to 660109, 2921783.

660902, 2922245; 660869, 2922244; 660868, 2922295; 660809, 2922337; 660827, 2922379; 660878, 2922367; 660898, 2922339; 660934, 2922336; Thence returning to 660902, 2922245.

659618, 2922055; 659607, 2922052; 659587, 2922080; 659700, 2922142; 659793, 2922226; 659874, 2922318; 659943, 2922470; 659988, 2922525; 660047, 2922531; 660107, 2922495; 659980, 2922436; 659917, 2922292; 659813, 2922162; 659723, 2922096; Thence returning to 659618, 2922055.

659545, 2922549; 659639, 2922440; 659634, 2922376; 659610, 2922382; 659606, 2922428; 659545, 2922503; 659509, 2922515; 659441, 2922507; 659436, 2922531; Thence returning to 659545, 2922549.

660053, 2922601; 660027, 2922658; 659982, 2922707; 660000, 2922756; 660041, 2922798; 660070, 2922777; Thence returning to 660053, 2922601.

660105, 2922895; 660222, 2922862; 660155, 2922848; 660093, 2922876; 660073, 2922868; 660148, 2922737; 660181, 2922618; 660176, 2922565; 660035, 2922906; Thence returning to 660105, 2922895.

660632, 2922855; 660667, 2922859; 660693, 2922835; 660716, 2922750; 660717, 2922630; 660689, 2922501; 660578, 2922241; 660507, 2922240; 660613, 2922468; 660631, 2922552; 660630, 2922632; 660580, 2922813; 660478, 2922958; 660478, 2922976; 660510, 2922969; 660603, 2922868; Thence returning to 660632, 2922855.

658276, 2923967; 658249, 2923995; 658259, 2924006; Thence returning to 658276, 2923967.

658106, 2924202; 658107, 2924197; 658082, 2924234; Thence returning to 658106, 2924202.

663540, 2924336; 663561, 2924188; 663552, 2924180; 663534, 2924196; 663475, 2924288; 663460, 2924252; 663488, 2924184; 663711, 2924063; 663632, 2924074; 663479, 2924148; 663439, 2924189; 663412, 2924448; 663426, 2924562; 663454, 2924599; 663452, 2924493; 663466, 2924434; Thence returning to 663540, 2924336.

663787, 2924111; 663775, 2924112; 663771, 2924145; 663785, 2924202; 663768, 2924308; 663623, 2924609; 663657, 2924602; 663688, 2924571; 663775, 2924404; 663809, 2924220; 663801, 2924133; Thence returning to 663787, 2924111.

658048, 2925223; 658139, 2925212; 658148, 2925182; 658187, 2925142; 658193, 2925075; 658177, 2925012; 658089, 2924978; 658032, 2924911; 657989, 2924775; 657992, 2924689; 657974, 2924611; 657934, 2924531; 657934, 2924486; 657962, 2924459; 657948, 2924456; 657922, 2924461; 657870, 2924533; 657932, 2924595; 657964, 2924694; 657971, 2924801; 657995, 2924902; 657991, 2924967; 657959, 2924996; 657904, 2924997; 657875, 2924971; 657837, 2924895; 657814, 2924892; 657738, 2924927; 657584, 2924944; 657549, 2924995; 657707, 2924992; 657758, 2925012; 657875, 2925129; 658006, 2925214; Thence returning to 658048, 2925223.

657926, 2925326; 657589, 2925212; 657448, 2925259; 657433, 2925322; 657586, 2925304; 657685, 2925308; 657807, 2925343; 657956, 2925429; 657971, 2925452; 657959, 2925496; 657968, 2925530; 658014, 2925472; 658016, 2925397; Thence returning to 657926, 2925326.

657834, 2926388; 657931, 2926401; 658151, 2926335; 658364, 2926211; 658413, 2926151; 658437, 2926084; 658434, 2925980; 658410, 2925926; 658295, 2925824; 658249, 2925763; 658286, 2925843; 658381, 2925928; 658420, 2926021; 658413, 2926070; 658367, 2926165; 658294, 2926234; 658204, 2926277; 658083, 2926311; 657941, 2926376; Thence returning to 657834, 2926388.

658399, 2926267; 658408, 2926247; 658313, 2926329; 658245, 2926412; 658318, 2926369; Thence returning to 658399, 2926267.

657834, 2926388; 657781, 2926369; 657761, 2926336; 657830, 2926265; 657833, 2926103; 657852, 2926070; 657851, 2926025; 657877, 2926006; 657863, 2925963; 657683, 2925930; 657502, 2925986; 657479, 2925982; 657472, 2925953; 657488, 2925839; 657523, 2925802; 657571, 2925639; 657630, 2925767; 657670, 2925785; 657754, 2925790; 657791, 2925831; 657797, 2925775; 657879, 2925679; 657895, 2925626; 657790, 2925717; 657710, 2925720; 657645, 2925685; 657621, 2925655; 657600, 2925572; 657524, 2925644; 657504, 2925713; 657469, 2925743; 657450, 2925798; 657430, 2925812; 657413, 2925879; 657443, 2925990; 657451, 2926103; 657535, 2926196; 657575, 2926286; 657608, 2926308; 657623, 2926418; 657683, 2926377; 657720, 2926373; 657811, 2926432; Thence returning to 657834, 2926388.

658782, 2926466; 658828, 2926460; 658825, 2926415; 658856, 2926386; 658782, 2926366; 658760, 2926374; 658725, 2926499; 658696, 2926544; 658735, 2926539; Thence returning to 658782, 2926466.

658004, 2926512; 657929, 2926568; 657931, 2926598; 658007, 2926552; Thence returning to 658004, 2926512.

658608, 2924397; 658608, 2924382; 658520, 2924558; 658518, 2924670; 658551, 2924795; 658636, 2924999; 658656, 2925111; 658751, 2925264; 658842, 2925476; 658859, 2925559; 658844, 2925728; 658750, 2925963; 658748, 2926058; 658809, 2926182; 658918, 2926289; 659065, 2926400; 659142, 2926520; 659178, 2926620; 659184, 2926521; 659141, 2926407; 658904, 2926210; 658836, 2926091; 658828, 2925992; 658854, 2925894; 658889, 2925828; 658948, 2925796; 659003, 2925728; 659016, 2925675; 658983, 2925609; 658997, 2925565; 658964, 2925537; 658933, 2925467; 658902, 2925294; 658861, 2925195; 658730, 2924973; 658579, 2924651; Thence returning to 658608, 2924397.

657154, 2926534; 657151, 2926523; 657130, 2926613; 657188, 2926635; 657196, 2926601; 657159, 2926562; Thence returning to 657154, 2926534.

657120, 2926675; 657118, 2926666; 657115, 2926679; Thence returning to 657120, 2926675.

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Excluding:

Unit TX–4, Willacy County, Texas. Coordinates are in UTM Zone 14N, North American Datum 1983 (meters E, meters N):

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660409, 2924322; 660445, 2924157; 660451, 2924086; 660437, 2923994; 660388, 2923918; 660300, 2923914; 659980, 2923980; 659942, 2924028; 659925, 2924093; 659927, 2924205; 659978, 2924242; 659971, 2924269; 659904, 2924258; 659865, 2924176; 659852, 2924170; 659830, 2924196; 659812, 2924274; 659822, 2924353; 659845, 2924405; 659912, 2924480; 660043, 2924522; 660181, 2924582; 660235, 2924680; 660282, 2924661; 660322, 2924600; Thence returning to 660409, 2924322.

659693, 2922901; 659503, 2922862; 659478, 2922891; 659471, 2922953; 659476, 2922992; 659502, 2923028; 659624, 2922996; 659705, 2922935; Thence returning to 659693, 2922901.

664597, 2922304; 664408, 2922301; 664417, 2922314; 664517, 2922329; 664508, 2922386; 664440, 2922407; 664417, 2922452; 664327, 2922439; 664309, 2922454; 664311, 2922473; 664361, 2922485; 664403, 2922549; 664291, 2922614; 664194, 2922608; 664194, 2922582; 664270, 2922542; 664286, 2922507; 664195, 2922492; 664131, 2922344; 664103, 2922359; 664113, 2922423; 664091, 2922446; 664056, 2922453; 664028, 2922419; 664004, 2922417; 663966, 2922447; 663916, 2922455; 663882, 2922491; 663811, 2922500; 663760, 2922540; 663764, 2922559; 663817, 2922579; 663913, 2922583; 663950, 2922620; 663955, 2922675; 663918, 2922746; 663907, 2922799; 663949, 2922921; 664058, 2922969; 664123, 2922977; 664194, 2922968; 664263, 2922932; 664355, 2922786; 664376, 2922613; 664491, 2922502; 664516, 2922423; Thence returning to 664597, 2922304.

663012, 2922281; 663007, 2922281; 662927, 2922279; 662906, 2922452; Thence returning to 663012, 2922281.

UNIT TX–5: UPPER LAGUNA MADRE. 436 HA (1,076 AC) IN KLEBERG COUNTY

The southern boundary is the northern boundary of PAIS, and the northern boundary is the Kleberg/Nueces County line. The eastern boundary is the line where dense vegetation begins, and the western boundary is MLLW. This unit includes a series of small flats along the bayside of Padre Island in the Upper Laguna Madre. It includes wind tidal flats and sparsely-vegtated upland areas used for roosting by the piping plover. These boundaries receive heavy use by large numbers of shorebirds, including piping plovers. The upland areas extend to where densely vegetated habitat, not used by the piping

plover, begins and where the constituent elements no longer occur, and include upland areas used for roosting by the piping plover.

UNIT TX–6: MOLLIE BEATTIE COASTAL HABITAT. 241 HA (596 AC) IN NUECES COUNTY

This unit will be described as two subunits:

(1) Subunit is bounded on the north by Beach Access Road 3, on the east by the inland boundary of critical habitat Unit TX–7, on the south by Zahn road, and on the west by Zahn Road.

(2) The subunit is bounded on the north by Corpus Christi Pass, on the east by US 361, on the south by the north side of Packery Channel, and on the west by the Gulf Intercoastal Watersay.

Some of the uplands are privately owned and the remaining are owned and managed by the TGLO. This unit includes two hurricane washover passes known as Newport and Corpus Christi Passes, and wind tidal flats that are infrequently inundated by seasonal winds. The upland areas extend to where densely vegetated habitat, not used by the piping plover, begins and where the constituent elements no longer occur and include upland areas used for roosting by the piping plover.

UNIT TX–7: NEWPORT PASS/CORPUS CHRISTI PASS BEACH: 119 HECTARES (294 ACRES) IN NUECES COUNTY, TEXAS.

(1) Unit TX–7, Nueces County, Texas. Coordinates are in UTM Zone 14N, North American Datum 1983 (meters E, meters N):

677207, 3055254; 677182, 3055210; 677018, 3055302; 677067, 3055333; 677061, 3055349; 677102, 3055503; 677133, 3055544; 677120, 3055593; 677144, 3055615; 677154, 3055683; 677210, 3055804; 677430, 3055747; 677374, 3055587; 677254, 3055369; Thence returning to 677207, 3055254.

680602, 3062200; 680491, 3062023; 679716, 3060547; 679702, 3060489; 679520, 3060176; 679472, 3060057; 679090, 3059313; 678531, 3058144; 678116, 3057316; 677547, 3056074; 677536, 3055942; 677545, 3055834; 677290, 3055886; 677335, 3055966; 677336, 3056010; 677367, 3056067; 677392, 3056069; 677493, 3056247; 677578, 3056461; 677615, 3056484; 677876, 3057083; 678012, 3057433; 678143, 3057683; 678089, 3057719; 678166, 3057767; 678199, 3057771; 678333, 3058072; 678668, 3058718; 678753, 3058928; 678773, 3058942; 678763, 3059001; 678802, 3059070; 678826, 3059082; 678819, 3059114; 678843, 3059158; 678858, 3059261; 678790, 3059405; 678855, 3059352; 678943, 3059361; 679081, 3059555; 679715, 3060823; 679718, 3060850; 679736, 3060860; 679864, 3061098; 679854, 3061115; 679888, 3061139; 680141, 3061634; 680186, 3061751; 680247, 3061869; 680271, 3061891; 680279, 3061920; 680221, 3062031; 680220, 3062080; 680307, 3062228; 680347, 3062218; 680356, 3062172; 680396, 3062187; 680420, 3062239; 680488, 3062286; 680603, 3062471; 680658, 3062520; 680766, 3062670; 680762, 3062706; 680811, 3062719; 680940, 3062645; 680801, 3062508; Thence returning to 680602, 3062200.

UNIT TX–8: MUSTANG ISLAND BEACH: 252 HECTARES (623 ACRES) IN NUECES COUNTY, TEXAS.

(1) Unit TX–8, Nueces County, Texas. Coordinates are in UTM Zone 14N, North American Datum 1983 (meters E, meters N):

690804, 3078378; 690197, 3077592; 689999, 3077310; 689859, 3077143; 688025, 3074662; 687168, 3073420; 686311, 3072104; 685582, 3070938; 684419, 3068995; 684336, 3068880; 684221, 3068660; 683219, 3066995; 682293, 3065385; 681460, 3063869; 681139, 3063237; 681011, 3062886; 681006, 3062781; 680847, 3062869; 680869, 3062881; 681097, 3063427; 681339, 3063896; 682082, 3065234; 682048, 3065228; 682093, 3065253; 682342, 3065680; 682353, 3065730; 682344, 3065764; 682353, 3065776; 682382, 3065767; 682524, 3065997; 682833, 3066556; 682984, 3066785; 683444, 3067582; 683481, 3067623; 683483, 3067650; 683570, 3067801; 683848, 3068267; 683859, 3068263; 684018, 3068550; 684713, 3069710; 685305, 3070659; 685324, 3070720; 685360, 3070747; 685365, 3070780; 685418, 3070831; 685425, 3070877; 685987, 3071784; 686727, 3072954; 687036, 3073411; 687030, 3073431; 687044, 3073431; 687079, 3073509; 687151, 3073582; 687664, 3074342; 687650, 3074370; 687674, 3074361; 687930, 3074757; 687982, 3074798; 688147, 3075013; 688140, 3075036; 688166, 3075075; 688443, 3075432; 688606, 3075681; 688601, 3075798; 688709, 3075797; 688725, 3075848; 688767, 3075889; 688793, 3075948; 688932, 3076136; 689047, 3076256; 689222, 3076502; 689288, 3076614; 689287, 3076641; 689332, 3076697; 689315, 3076737; 689337, 3076731; 689390, 3076783; 689375, 3076835; 689408, 3076810; 689416, 3076855; 689396, 3076875; 689406, 3076890; 689447, 3076881; 689471, 3076907; 689475, 3076925; 689454, 3076911; 689451, 3076923; 689470, 3076943; 689486, 3076937; 689560, 3077045; 689551, 3077080; 689572, 3077068; 689615, 3077117; 689774, 3077346; 690263, 3077958; 690279, 3077980; 690264, 3078021; 690314, 3078023; 690523, 3078286; 690526, 3078312; 690491, 3078353; 690563, 3078342; 690766, 3078604; 691144, 3079046; 691147, 3079069; 691182, 3079093; 691564, 3079539; 691680, 3079712; 691825, 3079589; 691740, 3079482; 691643, 3079410; 691639, 3079379; 691504, 3079230; 691470, 3079168; 691067, 3078711; Thence returning to 690804, 3078378.

UNIT TX–9: FISH PASS LAGOONS: 68 HECTARES (168 ACRES) IN NUECES COUNTY, TEXAS.

(1) Unit TX–9, Nueces County, Texas. Coordinates are in UTM Zone 14N, North American Datum 1983 (meters E, meters N):

679030, 3064125; 678991, 3064130; 678976, 3064151; 679031, 3064149; Thence returning to 679030, 3064125.

678991, 3064218; 678971, 3064219; 678963, 3064236; 679000, 3064257; 679003, 3064227; Thence returning to 678991, 3064218.

679724, 3064620; 679747, 3064591; 679740, 3064540; 679763, 3064524; 679766, 3064497; 679791, 3064521; 679800, 3064572; 679818, 3064572; 679836, 3064524; 679853, 3064535; 679859, 3064596; 679889, 3064587; 679911, 3064556; 680010, 3064539; 680017, 3064525; 679997, 3064507; 679892, 3064535; 679871, 3064501; 679785, 3064482; 679765, 3064422; 679717, 3064437; 679702, 3064392; 679740, 3064303; 679745,

3064233; 679729, 3064220; 679700, 3064226; 679679, 3064251; 679621, 3064264; 679596, 3064309; 679553, 3064342; 679549, 3064375; 679585, 3064369; 679705, 3064285; 679663, 3064379; 679660, 3064482; 679694, 3064544; 679674, 3064617; Thence returning to 679724, 3064620.

679404, 3064220; 679392, 3064216; 679333, 3064322; 679219, 3064439; 679128, 3064602; 679090, 3064621; 679089, 3064662; 679137, 3064637; 679332, 3064391; 679383, 3064279; 679431, 3064232; Thence returning to 679404, 3064220.

679021, 3064641; 679026, 3064600; 679200, 3064365; 679306, 3064180; 679258, 3064160; 679262, 3064187; 679236, 3064232; 679202, 3064251; 679187, 3064308; 679144, 3064315; 679153, 3064346; 679110, 3064327; 679005, 3064350; 678969, 3064343; 678901, 3064288; 678892, 3064263; 678906, 3064221; 678875, 3064193; 678861, 3064126; 678838, 3064123; 678803, 3064153; 678698, 3064146; 678679, 3064056; 678656, 3064059; 678635, 3064105; 678586, 3064132; 678591, 3064162; 678650, 3064162; 678609, 3064205; 678577, 3064193; 678552, 3064206; 678564, 3064249; 678501, 3064297; 678425, 3064186; 678359, 3064133; 678377, 3064186; 678431, 3064238; 678454, 3064312; 678488, 3064323; 678504, 3064378; 678693, 3064626; 678786, 3064688; 679021, 3064641; 678551, 3064300; 678624, 3064250; 678636, 3064215; 678677, 3064194; 678701, 3064216; 678728, 3064200; 678748, 3064266; 678784, 3064243; 678807, 3064247; 678788, 3064289; 678794, 3064348; 678861, 3064399; 678895, 3064395; 678914, 3064411; 678885, 3064458; 678904, 3064476; 678902, 3064521; 678912, 3064537; 678947, 3064541; 678993, 3064619; 678896, 3064638; 678722, 3064549; 678531, 3064333; 678525, 3064321; Thence returning to 678551, 3064300.

679203, 3065044; 679360, 3065017; 679421, 3064961; 679476, 3064953; 679474, 3064869; 679611, 3064661; 679600, 3064627; 679570, 3064630; 679548, 3064610; 679467, 3064612; 679467, 3064568; 679538, 3064587; 679553, 3064568; 679547, 3064555; 679463, 3064523; 679438, 3064539; 679395, 3064610; 679307, 3064635; 679204, 3064694; 679180, 3064724; 679142, 3064799; 679122, 3064810; 679121, 3064838; 679155, 3064907; 679172, 3065007; 679162, 3065044; 679203, 3065044; 679400, 3064695; 679470, 3064705; 679498, 3064742; 679472, 3064789; 679421, 3064827; 679336, 3064743; 679346, 3064722; Thence returning to 679400, 3064695.

679957, 3065348; 679953, 3065316; 679938, 3065305; 679903, 3065335; 679828, 3065333; 679838, 3065282; 679897, 3065260; 679907, 3065205; 679928, 3065183; 679996, 3065191; 680187, 3065291; 680245, 3065306; 680261, 3065281; 680303, 3065290; 680320, 3065274; 680393, 3065298; 680415, 3065257; 680381, 3065193; 680457, 3065144; 680444, 3065118; 680373, 3065126; 680293, 3065093; 680150, 3065089; 680100, 3065059; 680018, 3065075; 679993, 3065020; 680000, 3064913; 679978, 3064899; 679954, 3064823; 679931, 3064622; 679914, 3064610; 679839, 3064679; 679842, 3064740; 679803, 3064745; 679814, 3064802; 679804, 3064858; 679830, 3064914; 679824, 3064940; 679726, 3065061; 679680, 3065085; 679750, 3065104; 679742, 3065148; 679590, 3065107; 679475, 3064996; 679426, 3065030; 679417, 3065054; 679442, 3065069; 679519, 3065059; 679514, 3065098; 679533, 3065134; 679552, 3065139; 679549, 3065185; 679600, 3065194; 679608, 3065227; 679670, 3065302; 679739, 3065464; 679753, 3065535; 679789, 3065583; 679879, 3065561; 679909, 3065518; 679974, 3065497; 679963, 3065453; 679979, 3065422; Thence returning to 679957, 3065348.

679279, 3065246; 679262, 3065177; 679297, 3065087; 679201, 3065090; 679154, 3065176; 679027, 3065064; 679170, 3065253; 679212, 3065238; 679248, 3065252; 679243, 3065326; 679286, 3065405; 679542, 3065741; 679556, 3065742; 679454, 3065602; 679450, 3065545; 679321, 3065373; Thence returning to 679279, 3065246.

Excluding:

Unit TX–9, Nueces County, Texas. Coordinates are in UTM Zone 14N, North American Datum 1983 (meters E, meters N):

679470, 3064705; 679400, 3064695; 679346, 3064722; 679336, 3064743; 679421, 3064827; 679472, 3064789; 679498, 3064742; Thence returning to 679470, 3064705.

678914, 3064411; 678895, 3064395; 678861, 3064399; 678794, 3064348; 678788, 3064289; 678807, 3064247; 678784, 3064243; 678748, 3064266; 678728, 3064200; 678701, 3064216; 678677, 3064194; 678636, 3064215; 678624, 3064250; 678551, 3064300; 678525, 3064321; 678531, 3064333; 678722, 3064549; 678896, 3064638; 678993, 3064619; 678947, 3064541; 678912, 3064537; 678902, 3064521; 678904, 3064476; 678885, 3064458; Thence returning to 678914, 3064411.

UNIT TX–10: SHAMROCK ISLAND AND ADJACENT MUSTANG ISLAND FLATS. THIS UNIT CONSISTS OF THREE SUBUNITS:

(1) Subunit TX–10A: Shamrock Island: 5 hectares (12 acres) in Nueces County, Texas.

(i) Unit TX–10, Subunit A, Nueces County, Texas. Coordinates are in UTM Zone 14N, North American Datum 1983 (meters E, meters N):

680551, 3071356; 680539, 3071357; 680529, 3071447; 680507, 3071466; 680495, 3071520; 680517, 3071516; 680559, 3071458; 680564, 3071372; Thence returning to 680551, 3071356.

680287, 3071911; 680270, 3071903; 680264, 3071860; 680204, 3071901; 680234, 3071939; 680228, 3071961; 680241, 3071975; 680266, 3071968; Thence returning to 680287, 3071911.

679983, 3071174; 679961, 3071171; 679911, 3071208; 679893, 3071240; 679889, 3071297; 679896, 3071440; 679947, 3071564; 679952, 3071747; 679972, 3071892; 680020, 3071975; 680185, 3072099; 680221, 3072107; 680030, 3071955; 680000, 3071908; 679979, 3071837; 679982, 3071621; 679944, 3071508; 679943, 3071417; 679910, 3071343; 679922, 3071263; 679981, 3071216; Thence returning to 679983, 3071174.

680741, 3072445; 680771, 3072420; 680766, 3072399; 680681, 3072440; 680598, 3072432; 680661, 3072465; Thence returning to 680741, 3072445.

680868, 3072484; 680904, 3072444; 680879, 3072415; 680830, 3072450; 680786, 3072436; 680752, 3072474; 680770, 3072496; 680813, 3072481; 680846, 3072499; Thence returning to 680868, 3072484.

(2) Subunit TX–10B: Mustang Island: Unnamed sand flat: 1 hectare (2 acres) in Nueces County, Texas.

(i) Unit TX–10, Subunit B, Nueces County, Texas. Coordinates are in UTM Zone 14N,

North American Datum 1983 (meters E, meters N):

681497, 3070434; 681460, 3070459; 681467, 3070612; 681524, 3070776; 681568, 3070799; 681492, 3070603; 681483, 3070489; Thence returning to 681497, 3070434.

(3) Subunit TX–10C: Mustang Island: Lagoon Complex: 134 hectares (331 acres) in Nueces County, Texas.

(i) Unit TX–10, Subunit C, Nueces County, Texas. Coordinates are in UTM Zone 14N, North American Datum 1983 (meters E, meters N):

680304, 3067245; 680367, 3067238; 680443, 3067190; 680444, 3067140; 680317, 3067166; 680277, 3067209; 680190, 3067174; 680145, 3067138; 680154, 3067187; 680170, 3067176; 680157, 3067190; 680208, 3067226; 680264, 3067302; 680304, 3067323; 680289, 3067264; Thence returning to 680304, 3067245.

681001, 3067433; 681008, 3067396; 680977, 3067417; 680893, 3067396; 680909, 3067354; 680869, 3067344; 680869, 3067298; 680845, 3067226; 680483, 3067147; 680481, 3067213; 680564, 3067206; 680511, 3067269; 680526, 3067301; 680547, 3067251; 680607, 3067224; 680651, 3067228; 680680, 3067251; 680690, 3067296; 680713, 3067310; 680715, 3067380; 680763, 3067453; 680746, 3067514; 680703, 3067532; 680679, 3067526; 680667, 3067471; 680575, 3067409; 680549, 3067357; 680537, 3067365; 680526, 3067423; 680609, 3067540; 680699, 3067556; 680789, 3067540; 680797, 3067468; 680737, 3067302; 680761, 3067312; 680821, 3067389; 680848, 3067363; 680871, 3067457; 680915, 3067522; 680924, 3067632; 680966, 3067590; Thence returning to 681001, 3067433.

681234, 3067399; 681378, 3067304; 681410, 3067245; 681269, 3067338; 681230, 3067323; 681263, 3067294; 681264, 3067264; 681210, 3067269; 681160, 3067309; 681158, 3067334; 681124, 3067330; 681081, 3067379; 681018, 3067394; 680985, 3067576; 680924, 3067649; 680949, 3067773; 681004, 3067783; 681060, 3067607; 681088, 3067576; 681144, 3067564; 681231, 3067444; Thence returning to 681234, 3067399.

680636, 3067764; 680654, 3067783; 680651, 3067894; 680717, 3067831; 680729, 3067765; 680784, 3067724; 680797, 3067640; 680755, 3067631; 680709, 3067729; 680674, 3067674; 680687, 3067606; 680660, 3067597; 680599, 3067648; 680587, 3067728; 680570, 3067740; 680557, 3067686; 680505, 3067606; 680523, 3067593; 680555, 3067641; 680575, 3067645; 680583, 3067598; 680546, 3067557; 680559, 3067516; 680496, 3067482; 680473, 3067423; 680421, 3067412; 680352, 3067355; 680366, 3067446; 680464, 3067574; 680477, 3067672; 680526, 3067774; 680544, 3067871; 680530, 3067887; 680547, 3067918; 680585, 3067878; 680617, 3067784; Thence returning to 680636, 3067764.

680746, 3067919; 680719, 3067844; 680654, 3067907; 680711, 3067924; 680684, 3067991; 680712, 3068055; 680731, 3068064; 680757, 3068054; 680762, 3068028; Thence returning to 680746, 3067919.

681564, 3068600; 681726, 3068541; 681872, 3068403; 681853, 3068518; 681864, 3068524; 681890, 3068478; 681921, 3068456; 681894, 3068530; 681908, 3068547; 681953, 3068497; 681968, 3068417; 682083, 3068335; 682164, 3068314; 682117, 3068272; 682103, 3068230; 682130, 3068092; 682094, 3068068; 682119, 3068008; 682105, 3067971; 682120, 3067891; 682097, 3067898; 682025, 3067844; 681993, 3067871; 681964, 3067956; 681894, 3068009; 681924, 3068047; 681919, 3068105; 681871, 3068274; 681830, 3068331; 681814, 3068407; 681721, 3068497; 681671, 3068517; 681648, 3068491; 681610, 3068495; 681606, 3068480; 681651, 3068366; 681685, 3068342; 681686, 3068287; 681732, 3068201; 681738, 3068128; 681672, 3068088; 681695, 3068047; 681719, 3068047; 681723, 3068023; 681666, 3068006; 681587, 3068042; 681565, 3068041; 681552, 3068021; 681575, 3067981; 681632, 3067938; 681650, 3067936; 681673, 3067961; 681701, 3067944; 681687, 3067913; 681649, 3067901; 681658, 3067886; 681713, 3067874; 681724, 3067848; 681714, 3067820; 681697, 3067812; 681631, 3067829; 681619, 3067809; 681631, 3067787; 681669, 3067770; 681672, 3067744; 681614, 3067762; 681582, 3067809; 681497, 3067809; 681473, 3067799; 681473, 3067779; 681527, 3067747; 681510, 3067725; 681475, 3067744; 681384, 3067741; 681379, 3067707; 681348, 3067671; 681302, 3067698; 681335, 3067757; 681300, 3067755; 681269, 3067740; 681267, 3067706; 681247, 3067710; 681229, 3067676; 681170, 3067699; 681147, 3067681; 681125, 3067616; 681103, 3067636; 681075, 3067625; 681045, 3067788; 681109, 3067967; 681138, 3068006; 681096, 3068023; 681070, 3068085; 681148, 3068247; 681154, 3068311; 681189, 3068403; 681274, 3068505; 681404, 3068584; 681564, 3068600; 681513, 3068562; 681435, 3068548; 681468, 3068524; 681538, 3068515; 681531, 3068564; 681513, 3068562; 681476, 3068261; 681498, 3068264; 681508, 3068292; 681486, 3068292; 681476, 3068261; 681523, 3068258; 681534, 3068216; 681601, 3068182; 681602, 3068211; 681565, 3068263; 681542, 3068277; 681523, 3068258; 681644, 3068189; 681649, 3068154; 681680, 3068138; 681703, 3068146; 681690, 3068190; 681653, 3068202; 681644, 3068189; 681374, 3067977; 681388, 3067936; 681453, 3067936; 681466, 3067871; 681523, 3067838; 681528, 3067858; 681446, 3067999; 681374, 3067977; 681350, 3067865; 681305, 3067881; 681279, 3067838; 681329, 3067821; 681350, 3067865; 681175, 3067855; 681131, 3067858; 681110, 3067812; 681110, 3067775; 681160, 3067811; 681175, 3067855; 681325, 3067970; 681306, 3067967; 681346, 3067939; 681347, 3067953; Thence returning to 681325, 3067970.

681154, 3068712; 681222, 3068703; 681237, 3068666; 681206, 3068660; 681118, 3068710; 681053, 3068639; 680914, 3068580; 680917, 3068628; 680875, 3068675; 680821, 3068502; 680809, 3068505; 680873, 3068714; 680901, 3068735; 680913, 3068704; 680974, 3068656; 680990, 3068667; 680989, 3068719; 681055, 3068743; Thence returning to 681154, 3068712.

682358, 3068803; 682457, 3068702; 682465, 3068712; 682444, 3068739; 682444, 3068769; 682494, 3068765; 682514, 3068790; 682613, 3068809; 682696, 3068767; 682698, 3068738; 682629, 3068775; 682552, 3068772; 682526, 3068740; 682521, 3068643; 682468, 3068636; 682436, 3068663; 682416, 3068711; 682360, 3068742; 682333, 3068747; 682289, 3068725; 682260, 3068677; 682277, 3068639; 682236, 3068580; 682242, 3068541; 682269, 3068529; 682265, 3068428; 682213, 3068392; 682268, 3068342; 682269, 3068288; 682229, 3068314; 682211, 3068346; 682099, 3068362; 682032, 3068411; 681995, 3068412; 681993, 3068512; 681961, 3068546; 681960, 3068572; 682006, 3068644; 682053, 3068609; 682076, 3068622; 682106, 3068579; 682135, 3068581; 682191, 3068694; 682210, 3068688; 682254, 3068727; 682238, 3068772; 682254, 3068796; 682285, 3068805; 682259, 3068845; 682327, 3068841; 682358,

3068803; 682114, 3068444; 682155, 3068469; 682162, 3068511; 682143, 3068519; 682110, 3068505; 682114, 3068444; 682166, 3068444; 682135, 3068384; 682181, 3068388; 682190, 3068442; Thence returning to 682166, 3068444.

681062, 3068954; 681097, 3068917; 681109, 3068836; 681152, 3068754; 681134, 3068748; 681136, 3068731; 681066, 3068749; 681094, 3068756; 681086, 3068799; 681033, 3068827; 681073, 3068852; 681069, 3068882; 680997, 3068871; 680978, 3068855; 680973, 3068895; 680945, 3068884; 680821, 3068735; 680812, 3068704; 680869, 3068716; 680802, 3068510; 680767, 3068525; 680681, 3068309; 680672, 3068365; 680731, 3068526; 680738, 3068628; 680787, 3068745; 680791, 3068812; 680837, 3068798; 680838, 3068870; 680925, 3068973; 680971, 3068973; 680996, 3068947; 681031, 3068985; Thence returning to 681062, 3068954.

682407, 3069004; 682433, 3068941; 682490, 3068955; 682488, 3068851; 682463, 3068808; 682403, 3068868; 682401, 3068930; 682380, 3068923; 682355, 3068957; 682335, 3068915; 682298, 3068892; 682269, 3068959; 682274, 3068984; 682297, 3068984; 682355, 3069063; 682382, 3069058; Thence returning to 682407, 3069004.

681296, 3069042; 681335, 3068911; 681295, 3068886; 681286, 3068895; 681302, 3068925; 681278, 3069011; 681218, 3069031; 681246, 3069074; Thence returning to 681296, 3069042.

681426, 3069038; 681451, 3069034; 681452, 3068948; 681375, 3068898; 681329, 3069009; 681341, 3069018; 681332, 3069085; 681381, 3069086; Thence returning to 681426, 3069038.

681117, 3069166; 681158, 3069115; 681158, 3069071; 681145, 3069055; 681056, 3069028; 681044, 3069101; 681007, 3069113; 681000, 3069159; 681050, 3069161; 681063, 3069198; Thence returning to 681117, 3069166.

682032, 3070113; 682262, 3069996; 682404, 3069955; 683002, 3069708; 682899, 3069670; 682924, 3069615; 682998, 3069607; 682988, 3069575; 682883, 3069581; 682822, 3069500; 682817, 3069409; 682852, 3069354; 682794, 3069310; 682799, 3069223; 682829, 3069222; 682823, 3069187; 682836, 3069170; 682780, 3069018; 682765, 3069078; 682746, 3069087; 682726, 3069091; 682699, 3069058; 682579, 3069106; 682630, 3069164; 682679, 3069176; 682691, 3069226; 682746, 3069306; 682745, 3069344; 682784, 3069408; 682820, 3069562; 682808, 3069668; 682765, 3069748; 682712, 3069783; 682600, 3069800; 682429, 3069873; 682368, 3069868; 682331, 3069949; 682292, 3069932; 682279, 3069959; 682235, 3069979; 682170, 3069962; 682134, 3069925; 682107, 3069927; 682059, 3070047; 682029, 3070003; 681999, 3069997; 681957, 3070077; 681783, 3070085; 681771, 3070100; 681782, 3070129; 681876, 3070110; 681913, 3070163; Thence returning to 682032, 3070113.

681378, 3070218; 681407, 3070221; 681426, 3070155; 681264, 3069907; 681274, 3069681; 681244, 3069604; 681202, 3069570; 681235, 3069475; 681225, 3069444; 681174, 3069435; 681168, 3069401; 681180, 3069373; 681229, 3069419; 681340, 3069409; 681375, 3069374; 681385, 3069326; 681359, 3069266; 681285, 3069252; 681277, 3069175; 681226, 3069132; 681138, 3069176; 681105, 3069293; 681131, 3069323; 681140, 3069370; 681091, 3069433; 681087, 3069471; 681135, 3069582; 681139, 3069687; 681186, 3069751; 681213, 3069938; 681316, 3070121; 681332, 3070216; 681378, 3070218; 681235, 3069244; 681267, 3069266; 681279, 3069296; 681283, 3069378; 681261, 3069400; 681213, 3069378; 681196, 3069340; 681208, 3069267; Thence returning to 681235, 3069244.

681629, 3070187; 681627, 3070165; 681544, 3070106; 681509, 3070110; 681489, 3070168; 681530, 3070197; 681565, 3070188; 681573, 3070238; 681598, 3070249; 681632, 3070235; Thence returning to 681629, 3070187.

Excluding:

Unit TX–10 Subunit C, Nueces County, Texas. Coordinates are in UTM Zone 14N, North American Datum 1983 (meters E, meters N):

681267, 3069266; 681235, 3069244; 681208, 3069267; 681196, 3069340; 681213, 3069378; 681261, 3069400; 681283, 3069378; 681279, 3069296; Thence returning to 681267, 3069266.

681531, 3068564; 681538, 3068515; 681468, 3068524; 681435, 3068548; 681513, 3068562; Thence returning to 681531, 3068564.

682155, 3068469; 682114, 3068444; 682110, 3068505; 682143, 3068519; 682162, 3068511; Thence returning to 682155, 3068469.

682181, 3068388; 682135, 3068384; 682166, 3068444; 682190, 3068442; Thence returning to 682181, 3068388.

681498, 3068264; 681476, 3068261; 681486, 3068292; 681508, 3068292; Thence returning to 681498, 3068264.

681602, 3068211; 681601, 3068182; 681534, 3068216; 681523, 3068258; 681542, 3068277; 681565, 3068263; Thence returning to 681602, 3068211.

681703, 3068146; 681680, 3068138; 681649, 3068154; 681644, 3068189; 681653, 3068202; 681690, 3068190; Thence returning to 681703, 3068146.

681528, 3067858; 681523, 3067838; 681466, 3067871; 681453, 3067936; 681388, 3067936; 681374, 3067977; 681446, 3067999; Thence returning to 681528, 3067858.

681347, 3067953; 681346, 3067939; 681306, 3067967; 681325, 3067970; Thence returning to 681347, 3067953.

681350, 3067865; 681329, 3067821; 681279, 3067838; 681305, 3067881; Thence returning to 681350, 3067865.

681160, 3067811; 681110, 3067775; 681110, 3067812; 681131, 3067858; 681175, 3067855; Thence returning to 681160, 3067811.

UNIT TX–11: BLIND OSO. 2 HA (5 AC) IN NUECES COUNTY

This unit is the flats of the Blind Oso, part of Oso Bay, from Hans and Pat Suter Wildlife Refuge (owned and managed by the City of Corpus Christi) northeast to Corpus Christi Bay and then southeast along the edge of Texas A&M University—Corpus Christi. The landward boundaries extend to where densely vegetated habitat, not used by the piping plover, begins, and extends out from the landward boundaries to MLLW. This unit includes lands known as wind tidal flats that are infrequently inundated by seasonal winds.

UNIT TX–12: ADJACENT TO NAVAL AIR STATION-CORPUS CHRISTI. 2 HA (6 AC) IN NUECES COUNTY

This unit is along the shore of Oso Bay on flats bordered by Naval Air Station-Corpus Christi and Texas Spur 3 to a point 2.5 km (1.5 mi) south of the bridge between Ward Island and the Naval Air Station. The landward boundary is the line where dense vegetation begins, and the boundary in the Bay is MLLW. This unit includes lands known as wind tidal flats that are infrequently inundated by seasonal winds.

UNIT TX–13: SUNSET LAKE. 176 HA (435 AC) IN SAN PATRICIO COUNTY

This unit is triangle shaped, with State Highway 181 as the northwest boundary, and the limits of the City of Portland as the northeast boundary. The shore on Corpus Christi Bay is the third side of the triangle, with the actual boundary being MLLW off this shore. This unit is a large basin with a series of tidal ponds, sand spits and wind tidal flats. This unit is owned and managed by the City of Portland within a system of city parks. Some of the described area falls within the jurisdiction of the TGLO. It includes two city park units referred to as Indian Point and Sunset Lake. Much of the unit is a recent acquisition by the city, and management considerations for the park include the area's importance as a site for wintering and resident shorebirds. This unit includes lands known as wind tidal flats that are infrequently inundated by seasonal winds.

UNIT TX–14: EAST FLATS: 239 HECTARES (591 ACRES) IN NUECES COUNTY, TEXAS.

(1) Unit TX–14, Nueces County, Texas. Coordinates are in UTM Zone 14N, North American Datum 1983 (meters E, meters N):

686175, 3079064; 686157, 3079068; 686243, 3079125; 686225, 3079089; Thence returning to 686175, 3079064.

686589, 3079231; 686569, 3079233; 686592, 3079252; Thence returning to 686589, 3079231.

686675, 3079267; 686725, 3079074; 686685, 3079078; 686684, 3079039; 686590, 3079021; 686582, 3079000; 686597, 3078973; 686740, 3079012; 686757, 3078944; 686729, 3078927; 686722, 3078889; 686796, 3078541; 686766, 3078556; 686735, 3078609; 686708, 3078624; 686717, 3078703; 686663, 3078719; 686657, 3078767; 686702, 3078802; 686696, 3078821; 686656, 3078833; 686602, 3078816; 686589, 3078948; 686562, 3078975; 686506, 3078981; 686475, 3078941; 686385, 3078886; 686340, 3078889; 686327, 3078924; 686273, 3078951; 686315, 3079024; 686299, 3079130; 686360, 3079108; 686438, 3079143; 686429, 3079118; 686380, 3079102; 686387, 3079077; 686483, 3079127; 686516, 3079116; 686538, 3079155; 686593, 3079169; 686626, 3079230; 686650, 3079224; 686675, 3079267; 686610, 3079086; 686616, 3079054; 686633, 3079057; 686661, 3079084; 686660, 3079110; Thence returning to 686610, 3079086.

687864, 3080065; 687957, 3080071; 687971, 3080040; 688029, 3080048; 688062, 3080070; 688049, 3080019; 687955, 3079954; 688036, 3079955; 688071, 3079986; 688100, 3079936; 688160, 3080009; 688164, 3080036; 688217, 3080049; 688258, 3080025; 688269, 3079998; 688221, 3079925; 688219, 3079897; 688233, 3079893; 688341, 3080023; 688419, 3080013; 688457, 3079986; 688539, 3079796; 688523, 3079756; 688468, 3079792; 688444, 3079789; 688437, 3079771; 688484, 3079632; 688434, 3079548; 688437, 3079420; 688426, 3079388; 688350, 3079376; 688321, 3079428; 688302, 3079427; 688121, 3079281; 688085, 3079304; 688034, 3079246; 687954, 3079229; 687956, 3079211; 687989, 3079188; 688031, 3079124; 688080, 3079126; 688083, 3079080; 688103, 3079050; 688157, 3079039; 688126, 3078959; 688130, 3078892; 688149, 3078880; 688192, 3078921; 688219, 3078907; 688310, 3079019; 688350, 3078897; 688346, 3078847; 688329, 3078823; 688285, 3078829; 688292, 3078782; 688280, 3078761; 688201, 3078729; 688151, 3078732; 688144, 3078680; 688129, 3078667; 688104, 3078666; 688090, 3078700; 688077, 3078696; 688046, 3078519; 688044, 3078410; 688024, 3078347; 688000, 3078333; 687964, 3078339; 687946, 3078399; 687875, 3078422; 687838, 3078407; 687825, 3078419; 687827, 3078448; 687809, 3078461; 687763, 3078464; 687723, 3078434; 687737, 3078487; 687774, 3078520; 687795, 3078609; 687753, 3078573; 687749, 3078593; 687708, 3078584; 687697, 3078626; 687657, 3078606; 687636, 3078558; 687628, 3078671; 687574, 3078674; 687607, 3078598; 687613, 3078543; 687559, 3078556; 687527, 3078518; 687501, 3078427; 687481, 3078404; 687504, 3078347; 687489, 3078316; 687488, 3078253; 687401, 3078207; 687409, 3078190; 687482, 3078197; 687480, 3078179; 687421, 3078136; 687386, 3078133; 687279, 3078186; 687224, 3078242; 687333, 3078235; 687370, 3078262; 687409, 3078266; 687415, 3078290; 687443, 3078294; 687436, 3078344; 687459, 3078385; 687368, 3078403; 687302, 3078393; 687293, 3078409; 687302, 3078449; 687240, 3078446; 687234, 3078437; 687263, 3078412; 687262, 3078360; 687117, 3078308; 687127, 3078280; 687185, 3078248; 687193, 3078226; 687088, 3078305; 687064, 3078355; 687074, 3078410; 687238, 3078518; 687236, 3078542; 687220, 3078547; 687221, 3078591; 687171, 3078613; 687103, 3078528; 687051, 3078505; 686958, 3078509; 686902, 3078551; 686802, 3078995; 686823, 3078999; 686817, 3079070; 686799, 3079084; 686785, 3079063; 686736, 3079288; 686773, 3079287; 686783, 3079326; 686726, 3079495; 686708, 3079617; 686738, 3079689; 686774, 3079974; 686785, 3080002; 686905, 3080026; 686933, 3079982; 686986, 3079990; 687019, 3080049; 687102, 3080066; 687149, 3079993; 687264, 3079953; 687305, 3079920; 687382, 3079942; 687411, 3079965; 687527, 3079986; 687574, 3079927; 687634, 3079913; 687703, 3079869; 687720, 3079890; 687695, 3079936; 687722, 3079944; 687746, 3079924; 687758, 3079936; 687721, 3079983; 687719, 3080023; 687679, 3080050; 687679, 3080066; 687806, 3080092; 687864, 3080065; 687208, 3079502; 687237, 3079509; 687261, 3079541; 687270, 3079593; 687260, 3079646; 687232, 3079568; 687189, 3079538; 687208, 3079502; 686905, 3078605; 686931, 3078604; 686853, 3078923; 686833, 3078907; Thence returning to 686905, 3078605.

Excluding:

Unit TX–14, Nueces County, Texas. Coordinates are in UTM Zone 14N, North American Datum 1983 (meters E, meters N):

687237, 3079509; 687208, 3079502; 687189, 3079538; 687232, 3079568; 687260, 3079646; 687270, 3079593; 687261, 3079541; Thence returning to 687237, 3079509.

686633, 3079057; 686616, 3079054; 686610, 3079086; 686660, 3079110; 686661, 3079084; Thence returning to 686633, 3079057.

686853, 3078923; 686931, 3078604; 686905, 3078605; 686833, 3078907; Thence returning to 686853, 3078923.

UNIT TX–15: NORTH PASS: 326 HECTARES (805 ACRES) IN ARANSAS COUNTY, TEXAS.

(1) Unit TX–15, Aransas County, Texas. Coordinates are in UTM Zone 14N, North American Datum 1983 (meters E, meters N):

694159, 3086654; 694117, 3086676; 694105, 3086736; 694156, 3086725; Thence returning to 694159, 3086654.

694094, 3086822; 694103, 3086805; 694071, 3086813; 694058, 3086779; 694012, 3086846; 694046, 3086870; Thence returning to 694094, 3086822.

693527, 3087373; 693541, 3087343; 693580, 3087316; 693776, 3087289; 693828, 3087231; 693836, 3087139; 693957, 3087101; 694016, 3087049; 694130, 3087035; 694141, 3087055; 694123, 3087103; 694149, 3087123; 694156, 3087091; 694200, 3087061; 694170, 3087040; 694267, 3086979; 694314, 3086869; 694271, 3086858; 694239, 3086872; 694219, 3086968; 694117, 3087015; 694097, 3087012; 694095, 3086994; 694147, 3086970; 694152, 3086924; 694199, 3086899; 694198, 3086883; 694125, 3086868; 694081, 3086886; 693920, 3086900; 693892, 3086935; 693871, 3086937; 693862, 3086964; 693812, 3086987; 693756, 3086955; 693734, 3086982; 693728, 3087058; 693668, 3087111; 693578, 3087104; 693569, 3087052; 693540, 3087045; 693497, 3087142; 693445, 3087194; 693428, 3087335; 693434, 3087369; 693512, 3087383; Thence returning to 693527, 3087373.

693737, 3087760; 693876, 3087776; 693917, 3087761; 693867, 3087736; 693861, 3087716; 693792, 3087736; 693769, 3087728; 693769, 3087707; 693830, 3087606; 693823, 3087580; 693779, 3087609; 693751, 3087654; 693708, 3087635; 693708, 3087721; 693630, 3087762; 693638, 3087836; 693607, 3087858; 693600, 3087890; 693615, 3087893; Thence returning to 693737, 3087760.

694729, 3088064; 694795, 3088051; 694837, 3088064; 694891, 3088051; 694906, 3088029; 694897, 3088016; 694770, 3088001; 694727, 3088019; 694715, 3088065; Thence returning to 694729, 3088064.

695080, 3087975; 695060, 3087976; 695052, 3087996; 695050, 3088053; 695119, 3088085; 695131, 3088107; 695118, 3088169; 695070, 3088189; 695157, 3088235; 695176, 3088168; 695168, 3088080; 695121, 3088001; Thence returning to 695080, 3087975.

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3088110; 694433, 3088018; 694566, 3087928; 694629, 3087916; 694638, 3087962; 694671, 3087980; 694684, 3087972; 694759, 3087872; 694827, 3087812; 694891, 3087786; 694875, 3087771; 694803, 3087785; 694744, 3087774; 694728, 3087742; 694745, 3087697; 694732, 3087653; 694771, 3087652; 694782, 3087669; 694772, 3087716; 694818, 3087756; 694827, 3087706; 694910, 3087677; 694941, 3087707; 694939, 3087765; 694959, 3087788; 694998, 3087788; 695022, 3087865; 694991, 3087893; 694929, 3087911; 694869, 3087891; 694814, 3087978; 694870, 3087954; 694929, 3087970; 694990, 3087950; 695025, 3087982; 695046, 3087937; 695031, 3087905; 695037, 3087887; 695088, 3087862; 695075, 3087900; 695088, 3087918; 695081, 3087936; 695104, 3087945; 695122, 3087926; 695132, 3087971; 695157, 3087987; 695189, 3088047; 695209, 3088095; 695198, 3088150; 695226, 3088210; 695322, 3088186; 695347, 3088201; 695321, 3088272; 695361, 3088269; 695381, 3088295; 695440, 3088308; 695554, 3088319; 694545, 3086654; 694579, 3086660; 694590, 3086684; 694529, 3086722; 694514, 3086698; 694545, 3086654; 694624, 3086654; 694591, 3086643; 694512, 3086572; 694481, 3086530; 694485, 3086505; 694547, 3086482; 694625, 3086480; 694631, 3086533; 694596, 3086559; 694641, 3086592; 694641, 3086643; 694624, 3086654; 694472, 3086461; 694475, 3086492; 694458, 3086497; 694420, 3086472; 694416, 3086444; 694441, 3086436; 694472, 3086461; 694254, 3086440; 694195, 3086425; 694083, 3086432; 694058, 3086523; 693983, 3086569; 693922, 3086644; 693888, 3086631; 693867, 3086657; 693796, 3086661; 693738, 3086642; 693706, 3086613; 693715, 3086593; 693755, 3086573; 693755, 3086557; 693719, 3086528; 693739, 3086474; 693826, 3086411; 693898, 3086457; 693898, 3086518; 693955, 3086500; 693981, 3086448; 693959, 3086426; 693962, 3086407; 693984, 3086401; 693985, 3086369; 693964, 3086348; 694044, 3086275; 694073, 3086308; 694081, 3086348; 694050, 3086411; 694186, 3086379; 694171, 3086360; 694101, 3086338; 694115, 3086320; 694194, 3086311; 694230, 3086345; 694254, 3086440; 694512, 3086391; 694539, 3086428; 694543, 3086458; 694525, 3086471; 694501, 3086448; Thence returning to 694512, 3086391.

694914, 3088227; 694861, 3088220; 694804, 3088279; 694672, 3088321; 694610, 3088397; 694623, 3088407; 694671, 3088394; 694882, 3088309; 694908, 3088284; Thence returning to 694914, 3088227.

693900, 3088871; 693921, 3088847; 693865, 3088848; 693939, 3088788; 694037, 3088652; 694101, 3088592; 694159, 3088581; 694158, 3088616; 694167, 3088614; 694268, 3088547; 694449, 3088479; 694526, 3088423; 694537, 3088409; 694532, 3088378; 694432, 3088404; 694413, 3088383; 694584, 3088135; 694535, 3088157; 694485, 3088230; 694388, 3088283; 694257, 3088403; 694251, 3088312; 694203, 3088331; 694174, 3088362; 694207, 3088385; 694097, 3088514; 694027, 3088537; 693825, 3088532; 693750, 3088615; 693695, 3088608; 693668, 3088578; 693621, 3088437; 693634, 3088326; 693620, 3088261; 693406, 3088225; 693344, 3088178; 693318, 3088177; 693295, 3088148; 693268, 3088149; 693254, 3088101; 693300, 3088039; 693312, 3087983; 693284, 3087931; 693241, 3087922; 693226, 3087897; 693235, 3087821; 693281, 3087740; 693346, 3087723; 693374, 3087689; 693442, 3087684; 693492, 3087633; 693550, 3087621; 693620, 3087565; 693630, 3087511; 693583, 3087516; 693504, 3087592; 693440, 3087570; 693447, 3087518; 693323, 3087551; 693268, 3087539; 693252, 3087410; 693313, 3087287; 693290, 3087214; 693258, 3087219; 693220, 3087273; 693194, 3087262; 693199, 3087213; 693144, 3087215; 693104, 3087258; 693068, 3087358; 693036, 3087391; 693013, 3087387; 692952, 3087311; 692920, 3087296; 692908, 3087406; 692961, 3087639; 692982, 3087676; 693034, 3087662; 693071, 3087813; 693170, 3087966; 693182, 3088104; 693170, 3088117; 693143, 3088110; 693143, 3088136; 693179, 3088180; 693263, 3088226; 693295, 3088272; 693474, 3088321; 693454, 3088495; 693397, 3088539; 693434, 3088679; 693426, 3088713; 693469, 3088764; 693455, 3088794; 693410, 3088817; 693417, 3088846; 693550, 3088967; 693639, 3089078; 693725, 3089121; 693794, 3089093; 693864, 3088916; 693900, 3088871; 693179, 3087696; 693211, 3087696; 693224, 3087723; 693159, 3087803; 693136, 3087810; 693123, 3087779; 693129, 3087751; 693144, 3087715; Thence returning to 693179, 3087696.

694993, 3088931; 694961, 3088919; 694972, 3088834; 694961, 3088825; 694856, 3089014; 694853, 3089052; 694818, 3089098; 694805, 3089156; 694838, 3089173; 694981, 3089003; Thence returning to 694993, 3088931.

694650, 3089180; 694659, 3089149; 694680, 3089141; 694692, 3089184; 694681, 3089228; 694706, 3089233; 694761, 3089187; 694778, 3089086; 694805, 3089051; 694765, 3088983; 694771, 3088954; 694805, 3088919; 694798, 3088899; 694730, 3088888; 694726, 3088912; 694698, 3088914; 694671, 3088945; 694646, 3088929; 694651, 3088889; 694677, 3088880; 694683, 3088840; 694728, 3088763; 694733, 3088720; 694815, 3088641; 694884, 3088610; 694933, 3088624; 694983, 3088678; 694990, 3088653; 694975, 3088622; 694994, 3088553; 695007, 3088545; 695024, 3088576; 695075, 3088519; 695116, 3088338; 695207, 3088323; 695214, 3088297; 695094, 3088327; 694720, 3088469; 694578, 3088578; 694511, 3088598; 694335, 3088745; 694204, 3088759; 693967, 3088953; 693903, 3089040; 693907, 3089074; 693926, 3089096; 694096, 3089159; 694106, 3089142; 694082, 3089124; 694077, 3089081; 694092, 3089013; 694112, 3088990; 694118, 3089135; 694149, 3089124; 694196, 3089136; 694215, 3089046; 694214, 3088946; 694231, 3088919; 694247, 3088960; 694230, 3089128; 694284, 3089155; 694321, 3089146; 694327, 3089178; 694315, 3089219; 694242, 3089255; 694249, 3089266; 694410, 3089284; 694498, 3089144; 694534, 3089143; 694564, 3089101; 694590, 3089145; 694583, 3089167; 694559, 3089165; 694568, 3089196; 694553, 3089256; 694590, 3089294; 694642, 3089258; 694635, 3089227; 694650, 3089180; 694009, 3089086; 693990, 3089083; 693988, 3089043; 693999, 3089005; 694018, 3088996; 694023, 3089039; Thence returning to 694009, 3089086.

Excluding:

Unit TX–15, Aransas County, Texas. Coordinates are in UTM Zone 14N, North American Datum 1983 (meters E, meters N):

694023, 3089039; 694018, 3088996; 693999, 3089005; 693988, 3089043; 693990, 3089083; 694009, 3089086; Thence returning to 694023, 3089039.

693224, 3087723; 693211, 3087696; 693179, 3087696; 693144, 3087715; 693129, 3087751; 693123, 3087779; 693136, 3087810; 693159, 3087803; Thence returning to 693224, 3087723.

694579, 3086660; 694545, 3086654; 694514, 3086698; 694529, 3086722; 694590, 3086684; Thence returning to 694579, 3086660.

693867, 3086657; 693888, 3086631; 693922, 3086644; 693983, 3086569; 694058, 3086523; 694083, 3086432; 694195, 3086425; 694254, 3086440; 694230, 3086345; 694194, 3086311; 694115, 3086320; 694101, 3086338; 694171, 3086360; 694186, 3086379; 694050, 3086411; 694081, 3086348; 694073, 3086308; 694044, 3086275; 693964, 3086348; 693985, 3086369; 693984, 3086401; 693962, 3086407; 693959, 3086426; 693981, 3086448; 693955, 3086500; 693898, 3086518; 693898, 3086457; 693826, 3086411; 693739, 3086474; 693719, 3086528; 693755, 3086557; 693755, 3086573; 693715, 3086593; 693706, 3086613; 693738, 3086642; 693796, 3086661; Thence returning to 693867, 3086657.

694631, 3086533; 694625, 3086480; 694547, 3086482; 694485, 3086505; 694481, 3086530; 694512, 3086572; 694591, 3086643; 694624, 3086654; 694641, 3086643; 694641, 3086592; 694596, 3086559; Thence returning to 694631, 3086533.

694472, 3086461; 694441, 3086436; 694416, 3086444; 694420, 3086472; 694458, 3086497; 694475, 3086492; Thence returning to 694472, 3086461.

694539, 3086428; 694512, 3086391; 694501, 3086448; 694525, 3086471; 694543, 3086458; Thence returning to 694539, 3086428.

UNIT TX–16: SAN JOSE BEACH: 558 HECTARES (1,378 ACRES) IN ARANSAS AND CALHOUN COUNTIES, TEXAS.

(1) Unit TX–16, Aransas County, Texas. Coordinates are in UTM Zone 14N, North American Datum 1983 (meters E, meters N):

705653, 3099957; 704409, 3098570; 703190, 3097168; 700934, 3094423; 700844, 3094304; 700813, 3094222; 700747, 3094134; 700050, 3093252; 699238, 3092180; 699088, 3092014; 698235, 3090890; 697335, 3089664; 696512, 3088500; 695772, 3087410; 695295, 3086677; 694761, 3085797; 694692, 3085644; 694159, 3084774; 694057, 3084548; 693647, 3083839; 693411, 3083347; 693251, 3083050; 692808, 3081995; 692783, 3081831; 692665, 3081506; 692626, 3081356; 692571, 3080884; 692478, 3080931; 692402, 3080995; 692443, 3080988; 692462, 3081012; 692516, 3081429; 692599, 3081766; 692597, 3081790; 692521, 3081781; 692540, 3081893; 692631, 3081918; 692700, 3082062; 692835, 3082419; 692857, 3082577; 692924, 3082729; 692929, 3082779; 692953, 3082786; 692973, 3082873; 693021, 3082954; 693060, 3083083; 693085, 3083104; 693121, 3083275; 693232, 3083518; 693242, 3083550; 693214, 3083559; 693204, 3083580; 693247, 3083603; 693262, 3083631; 693288, 3083751; 693319, 3083753; 693400, 3083985; 693386, 3084022; 693431, 3084049; 693450, 3084107; 693471, 3084122; 693475, 3084174; 693453, 3084254; 693499, 3084221; 693534, 3084217; 693538, 3084272; 693566, 3084323; 693560, 3084356; 693573, 3084385; 693593, 3084389; 693607, 3084426; 693753, 3084604; 693761, 3084687; 693793, 3084702; 693862, 3084804; 693906, 3084800; 693915, 3084824; 693876, 3084862; 693891, 3084899; 693961, 3084982; 693993, 3084998; 694011, 3085076; 694033, 3085115; 694050, 3085118; 694155, 3085307; 694196, 3085346; 694230, 3085440; 694296, 3085546; 694326, 3085640; 694359, 3085608; 694373, 3085608; 694392, 3085640; 694479, 3085857; 694594, 3086048; 694617, 3086138; 694642, 3086181; 695834, 3087982; 695841, 3088035; 695912, 3088140; 695987, 3088162; 696028, 3088218; 696037, 3088245; 696025, 3088286; 696051, 3088316; 696048, 3088341; 696361, 3088664; 696389, 3088715; 696459, 3088781; 696495, 3088851; 696566, 3088897; 696727, 3089136; 696872, 3089288; 696939, 3089406; 696971, 3089421; 696970, 3089454; 697053, 3089539; 697054, 3089578; 697089, 3089590; 697273, 3089833; 697529, 3090208; 698016, 3090861; 698045, 3090878; 698085, 3090953; 698218, 3091118; 698264, 3091152; 698258, 3091175; 698365, 3091290; 698482, 3091468; 698710, 3091760; 698723, 3091795; 698817, 3091876; 698923, 3092020; 698944, 3092021; 698974, 3092084; 699096, 3092257; 700080, 3093545; 700201, 3093735; 700557, 3094156; 700788, 3094465; 701388, 3095191; 702101, 3096086; 703101, 3097281; 704989, 3099451; 705010, 3099450; 705015, 3099470; 705051, 3099494; 705062, 3099523; 705398, 3099897; 705408, 3099893; 705475, 3099988; 705498, 3099990; 705516, 3100036; 705556, 3100059; 705571, 3100091; 705928, 3100481; 705962, 3100501; 705993, 3100561; 706027, 3100576; 706051, 3100623; 706076, 3100636; 706197, 3100795; 706272, 3100860; 706427, 3101042; 706453, 3101052; 706474, 3101092; 706634, 3101253; 706673, 3101310; 706755, 3101371; 706762, 3101405; 706803, 3101457; 706821, 3101458; 706981, 3101648; 707231, 3101903; 707267, 3101964; 707405, 3102089; 707869, 3102613; 708606, 3103397; 708609, 3103418; 708767, 3103571; 708766, 3103588; 708840, 3103649; 709300, 3104142; 709310, 3104172; 709355, 3104200; 709465, 3104319; 709465, 3104335; 709578, 3104440; 709830, 3104740; 709848, 3104744; 709959, 3104863; 710005, 3104891; 710004, 3104929; 710026, 3104953; 710126, 3105018; 710123, 3105047; 710250, 3105152; 710955, 3105868; 711033, 3105767; 710426, 3105119; 709763, 3104453; 709034, 3103648; 707637, 3102155; 707258, 3101720; Thence returning to 705653, 3099957.

(2) Unit TX–16, Calhoun County, Texas. Coordinates are in UTM Zone 14N, North American Datum 1983 (meters E, meters N):

711166, 3105913; 711033, 3105767; 710955, 3105868; 711336, 3106255; 711423, 3106031; 711291, 3105930; Thence returning to 711166, 3105913.

UNIT TX–18: CEDAR BAYOU/VINSON SLOUGH: 998 HECTARES (2,465 ACRES) IN ARANSAS AND CALHOUN COUNTIES, TEXAS.

(1) Unit TX–18, Aransas County, Texas. Coordinates are in UTM Zone 14N, North American Datum 1983 (meters E, meters N):

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Excluding:

Unit TX–18, Aransas County, Texas. Coordinates are in UTM Zone 14N, North American Datum 1983 (meters E, meters N):

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708814, 3107134; 708922, 3107101; 708995, 3107119; 709090, 3107031; 709259, 3106943; 709299, 3106938; 709271, 3106980; 709271, 3107012; 709234, 3107077; 709233, 3107108; 709294, 3107073; 709301, 3107105; 709324, 3107113; 709334, 3107056; 709389, 3107055; 709449, 3107001; 709432, 3106972; 709400, 3106958; 709353, 3106954; 709335, 3106975; 709324, 3106945; 709345, 3106906; 709344, 3106869; 709334, 3106857; 709315, 3106880; 709271, 3106866; 709247, 3106834; 709263, 3106796; 709332, 3106731; 709406, 3106607; 709440, 3106575; 709470, 3106466; 709518, 3106365; 709629, 3106204; 709594, 3106217; 709538, 3106274; 709481, 3106356; 709413, 3106420; 709364, 3106502; 709302, 3106556; 709268, 3106622; 709204, 3106666; 709139, 3106769; 709067, 3106819; 709012, 3106880; 708924, 3106928; 708894, 3106989; 708797, 3107035; 708779, 3107128; Thence returning to 708814, 3107134.

708374, 3107071; 708390, 3107037; 708579, 3107058; 708718, 3106980; 708772, 3106982; 708824, 3106938; 708831, 3106902; 708799, 3106885; 708558,

3106827; 708535, 3106846; 708491, 3106821; 708466, 3106817; 708410, 3106845; 708346, 3106925; 708302, 3106949; 708299, 3106969; 708154, 3106925; 707962, 3106925; 707937, 3106942; 707935, 3106962; 707961, 3106998; 707996, 3107016; 708185, 3107068; 708231, 3107065; 708277, 3107039; 708251, 3107090; Thence returning to 708374, 3107071.

704556, 3105290; 704479, 3105263; 704464, 3105300; 704480, 3105318; 704576, 3105318; Thence returning to 704556, 3105290.

705156, 3104715; 705081, 3104699; 705118, 3104738; 705187, 3104761; Thence returning to 705156, 3104715.

705037, 3104714; 704990, 3104682; 704970, 3104687; 704982, 3104716; 705033, 3104736; Thence returning to 705037, 3104714.

(2) Unit TX–18, Calhoun County, Texas. Coordinates are in UTM Zone 14N, North American Datum 1983 (meters E, meters N):

711794, 3106966; 711892, 3106965; 711902, 3106952; 711944, 3106959; 712011, 3106940; 711378, 3106297; 711336, 3106255; 710955, 3105868; 710913, 3105957; 710912, 3106118; 711140, 3106300; 711288, 3106456; 711456, 3106666; 711581, 3106849; 711602, 3106898; 711567, 3107161; 711568, 3107281; 711610, 3107390; 711706, 3107423; 711738, 3107416; 711720, 3107238; 711670, 3107160; 711663, 3107106; 711692, 3107004; Thence returning to 711794, 3106966.

UNIT TX–19: MATAGORDA ISLAND BEACH: 976 HECTARES (2,413 ACRES) IN CALHOUN COUNTY, TEXAS.

(1) Unit TX–19, Calhoun County, Texas. Coordinates are in UTM Zone 14N, North American Datum 1983 (meters E, meters N):

755093, 3142812; 755325, 3142614; 755502, 3142533; 755638, 3142434; 755676, 3142436; 755764, 3142378; 755845, 3142271; 755999, 3141953; 756049, 3141664; 756045, 3141334; 755953, 3141071; 755751, 3140640; 755560, 3140341; 755467, 3140158; 755353, 3140022; 755137, 3139664; 755049, 3139558; 755028, 3139471; 754906, 3139282; 754816, 3139176; 754619, 3138884; 753678, 3137676; 753030, 3136954; 752639, 3136560; 751488, 3135520; 751175, 3135304; 751084, 3135215; 750920, 3135100; 750770, 3134971; 749539, 3134175; 749148, 3133942; 748301, 3133502; 747980, 3133363; 746620, 3132692; 746410, 3132612; 745915, 3132382; 745777, 3132300; 744933, 3131893; 743633, 3131207; 743246, 3130971; 743154, 3130938; 742297, 3130449; 741969, 3130298; 741289, 3129879; 740799, 3129615; 739385, 3128778; 738374, 3128157; 737144, 3127356; 735974, 3126562; 735194, 3126017; 734575, 3125563; 734172, 3125318; 732351, 3124020; 730202, 3122414; 727120, 3120041; 725296, 3118595; 723296, 3116945; 721308, 3115232; 721106, 3115073; 720632, 3114646; 720355, 3114422; 718131, 3112439; 716176, 3110628; 715659, 3110169; 714557, 3109123; 713509, 3108160; 712655, 3107344; 712547, 3107257; 712369, 3107063; 711666, 3106384; 711454, 3106128; 711378, 3106297; 712011, 3106940; 712159, 3107065; 712744, 3107644; 713724, 3108561; 713855, 3108664; 713850, 3108681; 714768, 3109533; 714960, 3109720; 714971, 3109766; 715004, 3109772; 715035, 3109818; 715068, 3109828; 715081, 3109859; 715192, 3109951; 715200, 3109979; 715264, 3109999; 715311, 3110084; 715611, 3110320; 715969, 3110635; 717033, 3111616; 717204, 3111792; 717241, 3111807; 717330, 3111900; 717395, 3111946; 717601, 3112137; 717614, 3112166; 717749, 3112265; 717784, 3112315; 717851, 3112363; 718679, 3113122; 719785, 3114092; 719807, 3114127; 719916, 3114205; 720463, 3114702; 721429, 3115535; 721839, 3115870; 722058, 3116070; 723459, 3117257; 724673, 3118251; 724712, 3118298; 724810, 3118362; 725330, 3118796; 725361, 3118803; 725410, 3118861; 725570, 3118973; 726001, 3119335; 726074, 3119377; 726102, 3119417; 726188, 3119473; 726290, 3119575; 726326, 3119587; 726455, 3119685; 726530, 3119755; 726520, 3119770; 726583, 3119793; 726829, 3119998; 726917, 3120053; 726921, 3120078; 726859, 3120097; 726856, 3120145; 726895, 3120113; 726964, 3120096; 727176, 3120250; 727868, 3120793; 727899, 3120824; 727943, 3120935; 727928, 3120943; 727929, 3120969; 727969, 3120953; 727958, 3120908; 728008, 3120917; 728059, 3120962; 728057, 3120986; 728232, 3121082; 728671, 3121427; 728699, 3121476; 728764, 3121494; 728759, 3121527; 728797, 3121574; 728887, 3121656; 728912, 3121642; 729013, 3121780; 729156, 3121837; 729188, 3121798; 729203, 3121809; 729214, 3121862; 729266, 3121930; 729333, 3121958; 729341, 3121983; 729392, 3122025; 729445, 3122027; 729472, 3122065; 729575, 3122114; 729619, 3122180; 729624, 3122198; 729607, 3122216; 729693, 3122236; 729725, 3122267; 729725, 3122315; 729701, 3122345; 729755, 3122351; 729748, 3122297; 729763, 3122296; 729800, 3122301; 729852, 3122336; 729878, 3122355; 729858, 3122374; 729867, 3122398; 729885, 3122421; 729917, 3122427; 729917, 3122461; 729939, 3122480; 729961, 3122449; 730178, 3122639; 730239, 3122618; 730236, 3122657; 730290, 3122710; 730372, 3122750; 730381, 3122767; 730370, 3122790; 730427, 3122799; 730439, 3122842; 730512, 3122834; 730527, 3122845; 730504, 3122858; 730557, 3122870; 730612, 3122924; 730700, 3122956; 730716, 3122990; 730807, 3123042; 730849, 3123100; 730874, 3123102; 730924, 3123190; 730940, 3123155; 730972, 3123165; 730993, 3123184; 730971, 3123219; 731073, 3123254; 731105, 3123291; 731153, 3123307; 731198, 3123353; 731250, 3123376; 731604, 3123639; 731654, 3123691; 731709, 3123715; 731743, 3123759; 731808, 3123793; 731834, 3123828; 731991, 3123927; 732234, 3124113; 732324, 3124196; 732321, 3124242; 732280, 3124298; 732310, 3124287; 732336, 3124252; 732350, 3124265; 732345, 3124242; 732362, 3124219; 732477, 3124282; 732543, 3124350; 732643, 3124412; 732732, 3124492; 732811, 3124532; 732811, 3124550; 732857, 3124562; 732896, 3124601; 732964, 3124635; 732993, 3124674; 733077, 3124720; 733265, 3124866; 733440, 3124975; 733448, 3124998; 733507, 3125024; 733729, 3125187; 733840, 3125273; 733838, 3125345; 733856, 3125312; 733886, 3125302; 733966, 3125343; 733978, 3125371; 734212, 3125498; 734328, 3125585; 734422, 3125621; 735062, 3126081; 735077, 3126126; 735045, 3126156; 735045, 3126174; 735058, 3126177; 735110, 3126126; 735162, 3126144; 736041, 3126775; 737868, 3128010; 738281, 3128251; 738291, 3128273; 738673, 3128501; 738676, 3128520; 738761, 3128552; 739426, 3128955; 739413, 3128992; 739441, 3129005; 739482, 3128999; 739595, 3129062; 740189, 3129426; 740803, 3129775; 740826, 3129801; 740930, 3129838; 741003, 3129882; 741029, 3129917; 741287, 3130044; 741308, 3130073; 741476, 3130167; 741486, 3130197; 741466, 3130214; 741473, 3130220; 741507, 3130199; 741544, 3130200; 741814, 3130340; 742270, 3130610; 742343, 3130640; 742352, 3130667; 742366, 3130674; 742373,

3130661; 742835, 3130932; 743331, 3131195; 743395, 3131245; 744051, 3131584; 744066, 3131627; 744116, 3131630; 744278, 3131709; 744301, 3131738; 744461, 3131809; 744552, 3131876; 744661, 3131918; 745049, 3132121; 745010, 3132134; 745042, 3132154; 745186, 3132173; 745180, 3132187; 745297, 3132259; 745354, 3132267; 745471, 3132335; 745641, 3132406; 745658, 3132424; 745653, 3132436; 745751, 3132459; 745784, 3132478; 745788, 3132499; 745826, 3132502; 746017, 3132585; 746077, 3132622; 746085, 3132640; 746073, 3132661; 746097, 3132660; 746100, 3132646; 746141, 3132648; 746239, 3132693; 746243, 3132718; 746273, 3132706; 746311, 3132721; 746780, 3132933; 746803, 3132949; 746821, 3132992; 746870, 3132986; 746888, 3133027; 746932, 3133021; 747016, 3133051; 747110, 3133110; 747167, 3133118; 747191, 3133143; 747278, 3133175; 747254, 3133212; 747277, 3133236; 747278, 3133209; 747312, 3133203; 747373, 3133225; 747451, 3133259; 747437, 3133297; 747447, 3133305; 747462, 3133305; 747463, 3133275; 747615, 3133344; 747599, 3133368; 747639, 3133397; 747632, 3133365; 747688, 3133374; 747806, 3133442; 748002, 3133524; 748254, 3133653; 748248, 3133688; 748218, 3133697; 748215, 3133720; 748227, 3133731; 748265, 3133721; 748272, 3133680; 748308, 3133681; 748706, 3133872; 748763, 3133915; 748851, 3133946; 748947, 3134015; 749044, 3134038; 749151, 3134119; 749219, 3134136; 749464, 3134278; 749464, 3134292; 749445, 3134297; 749443, 3134332; 749504, 3134339; 749518, 3134316; 749542, 3134324; 749525, 3134341; 749539, 3134357; 749577, 3134346; 749608, 3134357; 749664, 3134394; 749677, 3134427; 749723, 3134441; 749744, 3134466; 749743, 3134500; 749778, 3134504; 749777, 3134529; 749852, 3134566; 749858, 3134584; 749874, 3134572; 749889, 3134597; 749939, 3134608; 749944, 3134633; 749986, 3134652; 749995, 3134677; 750072, 3134680; 750128, 3134721; 750184, 3134729; 750194, 3134752; 750298, 3134807; 750443, 3134935; 750496, 3134941; 750539, 3134990; 750578, 3134991; 750649, 3135056; 750812, 3135159; 750844, 3135165; 750917, 3135239; 750910, 3135274; 751003, 3135313; 751036, 3135371; 751071, 3135357; 751088, 3135368; 751076, 3135404; 751206, 3135495; 751202, 3135539; 751243, 3135549; 751287, 3135522; 751270, 3135571; 751308, 3135565; 751312, 3135593; 751335, 3135602; 751325, 3135647; 751420, 3135650; 751472, 3135678; 751463, 3135691; 751495, 3135691; 751512, 3135758; 751564, 3135740; 751546, 3135785; 751606, 3135774; 751608, 3135791; 751593, 3135795; 751601, 3135803; 751625, 3135788; 751637, 3135813; 751664, 3135814; 751653, 3135870; 751719, 3135866; 751771, 3135914; 751755, 3135916; 751746, 3135951; 751776, 3135971; 751778, 3136046; 751806, 3136081; 751800, 3136092; 751862, 3136099; 751876, 3136128; 751898, 3136105; 751935, 3136153; 751953, 3136139; 751962, 3136153; 751931, 3136191; 751947, 3136226; 752026, 3136191; 752017, 3136229; 752050, 3136243; 752038, 3136265; 752068, 3136275; 752094, 3136262; 752097, 3136295; 752077, 3136307; 752104, 3136359; 752123, 3136359; 752130, 3136398; 752236, 3136447; 752260, 3136493; 752328, 3136544; 752338, 3136587; 752418, 3136627; 752446, 3136609; 752448, 3136626; 752432, 3136634; 752526, 3136687; 752522, 3136711; 752497, 3136709; 752498, 3136725; 752548, 3136734; 752567, 3136801; 752640, 3136788; 752648, 3136810; 752628, 3136841; 752660, 3136839; 752673, 3136821; 752710, 3136839; 752692, 3136849; 752706, 3136862; 752688, 3136879; 752721, 3136888; 752778, 3136855; 752798, 3136860; 752818, 3136879; 752794, 3136899; 752803, 3136909; 752827, 3136898; 752883, 3136937; 752920, 3136994; 752919, 3137058; 752949, 3137081; 752961, 3137124; 753038, 3137177; 753049, 3137149; 753047, 3137231; 753077, 3137260; 753075, 3137282; 753105, 3137301; 753102, 3137318; 753173, 3137359; 753170, 3137380; 753246, 3137431; 753278, 3137492; 753372, 3137555; 753374, 3137577; 753429, 3137626; 753469, 3137689; 753505, 3137700; 753499, 3137746; 753596, 3137826; 753678, 3137871; 753664, 3137930; 753752, 3137961; 753769, 3138029; 753799, 3138030; 753808, 3138112; 753876, 3138172; 753919, 3138176; 753909, 3138204; 753936, 3138216; 753915, 3138237; 753910, 3138267; 753941, 3138316; 753974, 3138330; 753983, 3138385; 754065, 3138469; 754107, 3138478; 754139, 3138447; 754168, 3138485; 754109, 3138494; 754094, 3138526; 754130, 3138574; 754204, 3138599; 754217, 3138618; 754200, 3138679; 754216, 3138729; 754249, 3138774; 754350, 3138787; 754365, 3138862; 754421, 3138931; 754438, 3138996; 754494, 3139028; 754507, 3139107; 754551, 3139179; 754591, 3139167; 754627, 3139197; 754661, 3139193; 754649, 3139217; 754660, 3139218; 754672, 3139297; 754720, 3139435; 754699, 3139444; 754735, 3139458; 754725, 3139546; 754756, 3139541; 754791, 3139601; 754814, 3139595; 754831, 3139636; 754832, 3139687; 754791, 3139715; 754801, 3139747; 754836, 3139746; 754893, 3139958; 754929, 3139964; 754958, 3139944; 754986, 3139946; 754979, 3139968; 755028, 3140006; 755042, 3140054; 755066, 3140070; 755116, 3140060; 755133, 3140081; 755140, 3140118; 755116, 3140133; 755111, 3140161; 755144, 3140185; 755157, 3140220; 755169, 3140207; 755179, 3140218; 755167, 3140251; 755182, 3140267; 755178, 3140292; 755257, 3140346; 755285, 3140477; 755376, 3140560; 755388, 3140542; 755404, 3140553; 755390, 3140579; 755401, 3140628; 755441, 3140623; 755435, 3140652; 755455, 3140654; 755436, 3140681; 755455, 3140699; 755451, 3140763; 755500, 3140762; 755497, 3140789; 755553, 3140845; 755548, 3140892; 755564, 3140894; 755572, 3140947; 755595, 3140962; 755720, 3141221; 755731, 3141301; 755721, 3141355; 755702, 3141368; 755681, 3141375; 755690, 3141332; 755655, 3141332; 755679, 3141312; 755649, 3141281; 755636, 3141230; 755608, 3141210; 755599, 3141153; 755574, 3141146; 755588, 3141088; 755571, 3141058; 755506, 3141108; 755477, 3141099; 755437, 3141030; 755485, 3140982; 755440, 3140948; 755366, 3140934; 755339, 3140975; 755354, 3141017; 755388, 3141014; 755428, 3141132; 755459, 3141165; 755516, 3141183; 755564, 3141290; 755617, 3141351; 755692, 3141550; 755721, 3141583; 755727, 3141627; 755669, 3141833; 755690, 3141849; 755680, 3142053; 755644, 3142039; 755630, 3142048; 755613, 3142154; 755618, 3142205; 755604, 3142242; 755537, 3142290; 755528, 3142348; 755507, 3142350; 755476, 3142414; 755316, 3142474; 755251, 3142512; 755213, 3142562; 755191, 3142557; 755153, 3142582; 755045, 3142715; 755035, 3142748; 755005, 3142770; 755006, 3142792; 754973, 3142802; 755077, 3142486; 755075, 3142452; 755045, 3142432; 755069, 3142424; 755102, 3142297; 755176, 3142156; 755177, 3142024; 755209, 3141946; 755208, 3141868; 755243, 3141784; 755267, 3141617; 755224, 3141505; 755176, 3141476; 755102, 3141376; 755099, 3141423; 755085, 3141447; 755065, 3141446; 755055, 3141358; 755029, 3141294; 755029, 3141207; 754932, 3140925; 754850, 3140937; 754886, 3141234; 754858, 3141337; 754843, 3141531; 754820, 3141638; 754845,

3141840; 754805, 3142123; 754810, 3142204; 754789, 3142236; 754786, 3142292; 754808, 3142363; 754928, 3142528; 754948, 3142575; 754945, 3142702; 754903, 3142779; 754836, 3142810; 754807, 3142860; 754756, 3142887; 754729, 3142938; 754721, 3143047; 754744, 3143071; 754791, 3143083; 754867, 3143060; Thence returning to 755093, 3142812.

UNIT TX–20: AYERS POINT. 397 HA (982 AC) IN CALHOUN COUNTY

This unit is an unnamed lake on Matagorda Island between Shell Reef Bayou and Big Brundrett Lake, with San Antonio Bay to the north. The unit boundary extends landward from the lake to the line where dense vegetation begins and where the constituent elements no longer occur and includes upland areas used for roosting by the piping plover. This unit includes marsh and flats at Ayers Point on Matagorda Island National Wildlife Refuge. This unit includes lands known as wind tidal flats that are infrequently inundated by seasonal winds.

UNIT TX–21: PANTHER POINT TO PRINGLE LAKE. 863 HA (2,133 AC) IN CALHOUN COUNTY

This unit represents a narrow band of bayside habitats on Matagorda Island from Panther Point to the northeast end of Pringle Lake. The landward boundary is the line indicating where dense vegetation begins, and the bayward boundary is MLLW. The unit is entirely within Matagorda Island National Wildlife Refuge. This unit includes lands known as wind tidal flats that are infrequently inundated by seasonal winds.

UNIT TX–22: DECROS POINT: 220 HECTARES (544 ACRES) IN CALHOUN AND MATAGORDA COUNTIES, TEXAS.

(1) Unit TX–22, Calhoun County, Texas. Coordinates are in UTM Zone 14N, North American Datum 1983 (meters E, meters N):

756144, 3143397; 756096, 3143341; 756061, 3143349; 756063, 3143379; 756090, 3143392; 756063, 3143400; 756063, 3143415; 756112, 3143433; 756144, 3143416; Thence returning to 756144, 3143397.

756218, 3143719; 756223, 3143746; 756220, 3143744; 756218, 3143719; 756218, 3143719; 756098, 3143555; 755963, 3143488; 755903, 3143434; 755893, 3143398; 755857, 3143395; 755749, 3143289; 755734, 3143250; 755759, 3143177; 755799, 3143132; 755824, 3143113; 755867, 3143160; 756051, 3143105; 756106, 3143107; 756233, 3143175; 756271, 3143163; 756231, 3143139; 756368, 3143109; 756544, 3143103; 756677, 3143164; 756680, 3143200; 756644, 3143243; 756654, 3143262; 756890, 3143331; 756798, 3142798; 756525, 3142689; 756404, 3142687; 756212, 3142713; 755731, 3143030; 755666, 3143119; 755641, 3143206; 755922, 3143520; 756078, 3143609; 756111, 3143651; 756149, 3143763; 756225, 3143844; 756255, 3143899; 756274, 3143918; 756295, 3143916; 756361, 3143977; 756420, 3144079; 756600, 3144172; 756687, 3144174; 756777, 3144202; 756716, 3144161; 756603, 3144151; 756574, 3144128; 756593, 3144089; 756578, 3144068; 756597, 3144062; 756599, 3144045; 756464, 3143994; 756354, 3143899; 756356, 3143884; 756239, 3143766; 756235, 3143753; 756291, 3143702; 756376, 3143685; 756386, 3143670; 756401, 3143696; 756393, 3143736; 756374, 3143721; 756304, 3143770; 756346, 3143774; 756386, 3143753; 756403, 3143770; 756431, 3143706; 756475, 3143700; 756467, 3143683; 756439, 3143685; 756431, 3143666; 756460, 3143653; 756515, 3143681; 756537, 3143653; 756562, 3143683; 756579, 3143679; 756604, 3143628; 756607, 3143573; 756549, 3143560; 756522, 3143530; 756535, 3143492; 756509, 3143459; 756518, 3143444; 756565, 3143434; 756471, 3143393; 756460, 3143342; 756405, 3143278; 756281, 3143274; 756190, 3143298; 756160, 3143318; 756135, 3143366; 756148, 3143387; 756243, 3143391; 756250, 3143402; 756224, 3143431; 756303, 3143550; 756281, 3143579; 756222, 3143584; 756203, 3143630; 756218, 3143626; Thence returning to 756218, 3143719.

757069, 3144373; 757064, 3144336; 757029, 3144350; 756939, 3144286; 756881, 3144280; 756883, 3144225; 756824, 3144201; 756761, 3144210; 756674, 3144197; 756729, 3144231; 756807, 3144231; 756807, 3144244; 756771, 3144254; 756784, 3144274; 756947, 3144326; 757036, 3144377; Thence returning to 757069, 3144373.

757080, 3144446; 757073, 3144395; 756956, 3144409; 757025, 3144441; 757036, 3144424; 757061, 3144428; 757034, 3144445; 757051, 3144453; Thence returning to 757080, 3144446.

Excluding:

Unit TX–22, Calhoun County, Texas. Coordinates are in UTM Zone 14N, North American Datum 1983 (meters E, meters N):

756223, 3143746; 756218, 3143719; 756220, 3143744; Thence returning to 756223, 3143746.

(2) Unit TX–22, Matagorda County, Texas. Coordinates are in UTM Zone 14N, North American Datum 1983 (meters E, meters N):

757114, 3144349; 757132, 3144326; 757064, 3144336; 757069, 3144373; Thence returning to 757114, 3144349.

757106, 3144443; 757178, 3144436; 757188, 3144392; 757170, 3144352; 757152, 3144388; 757129, 3144401; 757073, 3144395; 757080, 3144446; Thence returning to 757106, 3144443.

757712, 3145133; 757725, 3145118; 757725, 3145080; 757710, 3145093; 757685, 3145085; 757569, 3145004; 757376, 3144796; 757336, 3144712; 757285, 3144661; 757296, 3144644; 757283, 3144617; 757274, 3144625; 757253, 3144587; 757270, 3144530; 757236, 3144549; 757209, 3144513; 757182, 3144513; 757169, 3144532; 757188, 3144595; 757158, 3144574; 757241, 3144731; 757281, 3144777; 757412, 3144866; 757482, 3144947; 757467, 3144953; 757484, 3144972; 757600, 3145074; Thence returning to 757712, 3145133.

757899, 3145276; 757919, 3145287; 757914, 3145264; 757871, 3145243; Thence returning to 757899, 3145276.

757899, 3145276; 757795, 3145160; 757867, 3145238; 757873, 3145222; 757916, 3145226; 757891, 3145208; 757891, 3145179; 757836, 3145115; 757810, 3145146; 757778, 3145133; 757806, 3145110; 757772, 3145101; 757771, 3145082; 757734, 3145066; 757732, 3145114; 757716, 3145140; 757753, 3145134; 757814, 3145209; 757820, 3145264; 757759, 3145192; 757742, 3145194; 757797, 3145321; 757846, 3145389; 758053, 3145601; 758155, 3145675; 758322, 3145834; 758379,

3145867; 758466, 3145978; 758684, 3146161; 758963, 3146301; 759004, 3146289; 759009, 3146271; 758928, 3146282; 758798, 3146176; 758702, 3146129; 758613, 3146051; 758597, 3146018; 758580, 3146020; 758506, 3145950; 758474, 3145893; 758347, 3145764; 758331, 3145770; 758338, 3145760; 758263, 3145696; 758231, 3145645; 758022, 3145469; 757918, 3145330; 757899, 3145276; 757880, 3145381; 757952, 3145406; 758010, 3145502; 757954, 3145465; 757918, 3145412; 757844, 3145366; 757880, 3145381; 758136, 3145622; 758187, 3145637; 758235, 3145721; 758096, 3145616; 758117, 3145607; Thence returning to 758136, 3145622.

759358, 3146497; 759372, 3146483; 759328, 3146494; Thence returning to 759358, 3146497.

759209, 3146541; 759188, 3146483; 759099, 3146432; 759105, 3146403; 759095, 3146405; 759093, 3146384; 759076, 3146430; 759084, 3146445; 759135, 3146466; 759183, 3146522; 759156, 3146532; Thence returning to 759209, 3146541.

759272, 3146526; 759294, 3146508; 759213, 3146541; Thence returning to 759272, 3146526

759065, 3146657; 758980, 3146572; 758972, 3146538; 758970, 3146574; 759042, 3146649; 759057, 3146693; 759177, 3146778; 759141, 3146737; 759122, 3146682; Thence returning to 759065, 3146657.

761407, 3147140; 761515, 3147154; 761599, 3147079; 761374, 3146911; 760678, 3146503; 760464, 3146360; 760075, 3146044; 759657, 3145736; 759445, 3145549; 758541, 3144679; 758386, 3144510; 758278, 3144339; 758092, 3144126; 757659, 3143435; 757468, 3143250; 757272, 3143019; 757086, 3142914; 756798, 3142798; 756890, 3143331; 756936, 3143357; 756961, 3143408; 757105, 3143467; 757171, 3143520; 757238, 3143590; 757306, 3143730; 757340, 3143770; 757437, 3143789; 757526, 3143867; 757660, 3144022; 757744, 3144151; 758077, 3144443; 758214, 3144612; 758297, 3144686; 758415, 3144760; 758648, 3144968; 759230, 3145525; 759967, 3146162; 759994, 3146208; 760115, 3146280; 760142, 3146323; 760219, 3146361; 760259, 3146409; 760301, 3146422; 760339, 3146477; 760413, 3146500; 761307, 3147038; 761328, 3147057; 761345, 3147110; 761336, 3147180; 761346, 3147218; 761384, 3147224; 761386, 3147154; Thence returning to 761407, 3147140.

759820, 3147183; 759811, 3147187; 759840, 3147218; Thence returning to 759820, 3147183.

759882, 3147275; 759875, 3147268; 759893, 3147309; Thence returning to 759882, 3147275.

759718, 3147493; 759724, 3147476; 759699, 3147449; 759686, 3147480; Thence returning to 759718, 3147493.

760083, 3147612; 760079, 3147593; 760062, 3147595; 760068, 3147567; 760037, 3147607; 759978, 3147581; 760007, 3147607; 760103, 3147644; Thence returning to 760083, 3147612.

760153, 3147620; 760159, 3147601; 760115, 3147624; 760148, 3147658; 760140, 3147641; Thence returning to 760153, 3147620.

760707, 3147904; 760679, 3147885; 760500, 3147853; 760219, 3147764; 760098, 3147690; 760026, 3147618; 759971, 3147605; 759859, 3147538; 759802, 3147485; 759791, 3147453; 759795, 3147431; 759800, 3147449; 759823, 3147444; 759831, 3147408; 759791, 3147328; 759622, 3147182; 759469, 3147002; 759416, 3146911; 759425, 3146905; 759450, 3146932; 759461, 3146911; 759452, 3146862; 759427, 3146839; 759417, 3146856; 759378, 3146852; 759372, 3146831; 759406, 3146799; 759366, 3146801; 759355, 3146822; 759368, 3146883; 759412, 3146919; 759427, 3146970; 759550, 3147123; 759770, 3147330; 759778, 3147366; 759764, 3147417; 759751, 3147432; 759753, 3147413; 759734, 3147408; 759717, 3147449; 759759, 3147499; 760206, 3147777; 760498, 3147861; Thence returning to 760707, 3147904.

760707, 3147904; 760815, 3147946; 760842, 3147982; 760851, 3148007; 760836, 3148045; 760800, 3148054; 760829, 3148059; 760861, 3148041; 760853, 3148012; 760863, 3147990; 760825, 3147942; 760772, 3147910; Thence returning to 760707, 3147904.

Excluding:

Unit TX–22, Matagorda County, Texas. Coordinates are in UTM Zone 14N, North American Datum 1983 (meters E, meters N):

758136, 3145622; 758117, 3145607; 758096, 3145616; 758235, 3145721; 758187, 3145637; Thence returning to 758136, 3145622.

757880, 3145381; 757844, 3145366; 757918, 3145412; 757954, 3145465; 758010, 3145502; 757952, 3145406; Thence returning to 757880, 3145381.

UNIT TX–23: WEST MATAGORDA PENINSULA BEACH: 732 HECTARES (1,808 ACRES) IN MATAGORDA COUNTY, TEXAS.

(1) Unit TX–23, Matagorda County, Texas. Coordinates are in UTM Zone 14N, North American Datum 1983 (meters E, meters N):

794998, 3166954; 795058, 3166920; 795090, 3166937; 795134, 3166804; 795016, 3166417; 794989, 3166385; 794944, 3166385; 794915, 3166413; 794926, 3166514; 794843, 3166543; 794768, 3166544; 794548, 3166469; 794150, 3166265; 793944, 3166178; 793663, 3166021; 793518, 3165958; 793395, 3165925; 793172, 3165799; 792681, 3165580; 792613, 3165566; 792476, 3165501; 792386, 3165491; 792237, 3165445; 792084, 3165355; 791974, 3165315; 791729, 3165186; 791684, 3165181; 791602, 3165145; 791384, 3165026; 791034, 3164868; 790882, 3164791; 790777, 3164715; 790379, 3164514; 790143, 3164405; 790049, 3164393; 789926, 3164312; 789730, 3164213; 789515, 3164138; 789342, 3164036; 789061, 3163915; 789006, 3163870; 788591, 3163656; 787268, 3163020; 786928, 3162831; 785690, 3162217; 783809, 3161232; 783766, 3161194; 783561, 3161093; 783080, 3160816; 783021, 3160797; 782112, 3160298; 781945, 3160187; 779312, 3158763; 779021, 3158591; 778735, 3158450; 778435, 3158283; 778356, 3158222; 778041, 3158059; 777655, 3157835; 777552, 3157791; 777151, 3157543; 776616, 3157251; 774162, 3155789; 773866, 3155590; 771809, 3154316; 770189, 3153238; 769386, 3152669; 768586, 3152130; 768014, 3151702; 767939, 3151663; 767463, 3151320; 765711, 3150005; 765107, 3149512; 764382, 3148892; 763644, 3148208; 763289, 3147857; 762933, 3147441; 762617, 3146969; 762265, 3147300; 762270, 3147310; 762363, 3147244; 762438, 3147245; 762454, 3147203; 762535, 3147242; 762557, 3147226; 762612, 3147276; 762726, 3147506; 762744, 3147492; 762772, 3147536; 762760, 3147551; 762788, 3147556; 762803, 3147613; 762841, 3147619; 762873, 3147677; 762861, 3147687; 762892, 3147711; 762920, 3147711; 762961, 3147783; 762982, 3147789; 763038, 3147857; 763046, 3147902; 763070, 3147893; 763111, 3147916; 763157, 3147982; 763310, 3148128; 763329, 3148152; 763319, 3148179; 763350, 3148178; 763519, 3148342; 763548, 3148426; 763556,

3148410; 763588, 3148424; 763697, 3148513; 763735, 3148566; 764060, 3148862; 764128, 3148935; 764129, 3148952; 764144, 3148947; 764200, 3148989; 764344, 3149135; 764714, 3149450; 764734, 3149496; 764743, 3149472; 764772, 3149490; 764837, 3149563; 764919, 3149622; 764931, 3149656; 764966, 3149657; 764967, 3149672; 765022, 3149704; 765026, 3149729; 765054, 3149753; 765184, 3149833; 765248, 3149888; 765251, 3149908; 765318, 3149943; 765402, 3150017; 765391, 3150029; 765560, 3150128; 765654, 3150205; 765665, 3150233; 765694, 3150239; 766019, 3150509; 766060, 3150507; 766056, 3150528; 766242, 3150643; 766231, 3150659; 766264, 3150670; 766290, 3150706; 766349, 3150720; 766403, 3150762; 766410, 3150776; 766400, 3150784; 766432, 3150810; 766478, 3150816; 766553, 3150894; 766580, 3150895; 766591, 3150919; 766638, 3150935; 766681, 3150980; 766851, 3151092; 766826, 3151100; 766834, 3151111; 766869, 3151109; 766917, 3151167; 766987, 3151195; 766985, 3151213; 767051, 3151232; 767051, 3151251; 767155, 3151320; 767227, 3151389; 767261, 3151391; 767276, 3151420; 767416, 3151492; 767409, 3151512; 767478, 3151551; 767485, 3151571; 767518, 3151576; 768233, 3152078; 768238, 3152099; 768976, 3152590; 769058, 3152662; 769368, 3152855; 769420, 3152910; 769658, 3153054; 769821, 3153184; 770092, 3153356; 770434, 3153606; 771182, 3154087; 771201, 3154119; 771224, 3154119; 771302, 3154178; 771296, 3154199; 771375, 3154238; 771372, 3154277; 771386, 3154285; 771403, 3154267; 771449, 3154295; 771449, 3154276; 771475, 3154279; 771489, 3154314; 771468, 3154329; 771484, 3154342; 771514, 3154323; 771521, 3154336; 771506, 3154349; 771629, 3154407; 771640, 3154394; 771662, 3154432; 771773, 3154490; 771764, 3154504; 771847, 3154539; 771846, 3154581; 771890, 3154564; 771952, 3154615; 772048, 3154661; 772056, 3154686; 772135, 3154716; 772126, 3154764; 772141, 3154765; 772152, 3154735; 772309, 3154838; 772364, 3154849; 772356, 3154867; 772473, 3154950; 772514, 3154966; 772534, 3154957; 772537, 3154985; 772561, 3155011; 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774668, 3156365; 774683, 3156360; 774701, 3156393; 774726, 3156383; 774735, 3156399; 774810, 3156418; 774825, 3156441; 774879, 3156462; 774857, 3156480; 774871, 3156494; 774924, 3156492; 774903, 3156518; 774935, 3156516; 774955, 3156497; 774980, 3156504; 774967, 3156527; 775026, 3156559; 775051, 3156557; 775050, 3156580; 775099, 3156573; 775109, 3156590; 775173, 3156614; 775236, 3156655; 775259, 3156678; 775254, 3156698; 775274, 3156712; 775292, 3156688; 775440, 3156715; 775460, 3156759; 775442, 3156804; 775476, 3156805; 775551, 3156843; 775560, 3156867; 775596, 3156873; 775616, 3156913; 775662, 3156897; 775728, 3156958; 775729, 3156991; 775785, 3156991; 775801, 3157010; 775830, 3157003; 775853, 3157031; 775904, 3157050; 775946, 3157047; 775953, 3157084; 776040, 3157083; 776045, 3157116; 776022, 3157180; 776078, 3157118; 776118, 3157125; 776090, 3157149; 776131, 3157159; 776136, 3157198; 776183, 3157191; 776189, 3157207; 776176, 3157230; 776217, 3157225; 776286, 3157272; 776292, 3157308; 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UNIT TX–24: WEST MATAGORDA BAY/WESTERN PENINSULA FLATS. 756 HA (1,868 AC) IN MATAGORDA COUNTY

This unit extends along the bayside of Matagorda Peninsula from 7.5 southwest of Greens Bayou to 2.5 km (1.6 mi) northwest of Greens Bayou. The landward boundary is the line indicating the beginning of dense vegetation, and the bayside boundary is MLLW. This unit includes lands known as wind tidal flats that are infrequently inundated by seasonal winds.

UNIT TX–25: WEST MATAGORDA BAY/EASTERN PENINSULA FLATS. 232 HA (575 AC) IN MATAGORDA COUNTY

This unit follows the bayside of Matagorda Peninsula from Maverick Slough southwest for 5 km (3 mi). The unit begins at Maverick Slough to the northeast and extends 5 km (3 mi) to the southwest, enclosing a series of flats along Matagorda Bay. The upland areas extend to where densely vegetated habitat, not used by the piping plover, begins and where the constituent elements no longer occur and include upland areas used for roosting by the piping plover. This unit includes lands known as wind tidal flats that are infrequently inundated by seasonal winds.

UNIT TX–26: COLORADO RIVER DIVERSION DELTA. 5 HA (13 AC) IN MATAGORDA COUNTY

This unit follows the shore of the extreme eastern northeast corner of West Matagorda Bay from Culver Cut to Dog Island Reef. The southeastern tidally emergent portion of Dog Island Reef is included within the unit. The landward boundary is the line indicating the beginning of dense vegetation, and the bayside boundary is MLLW. The upland areas includes upland areas used for roosting by the piping plover. This unit includes lands known as wind tidal flats that are infrequently inundated by seasonal winds.

UNIT TX–27: EAST MATAGORDA BAY/MATAGORDA PENINSULA BEACH WEST: 366 HECTARES (905 ACRES) IN MATAGORDA COUNTY, TEXAS.

(1) Unit TX–27, Matagorda County, Texas. Coordinates are in UTM Zone 14N, North American Datum 1983 (meters E, meters N): 815151, 3177276; 815182, 3177233; 813690, 3176252; 813397, 3176083; 813325, 3176088; 813301, 3176051; 813243, 3176007; 813000, 3175875; 811516, 3174967; 809757, 3173949; 808939, 3173496; 806536, 3172223; 805649, 3171790; 805549, 3171722; 804997, 3171465; 804930, 3171413; 804257, 3171102; 804079, 3170992; 803100, 3170524; 802419, 3170178; 802076, 3170019; 801924, 3169969; 800796, 3169381; 800372, 3169187; 800298, 3169170; 800014, 3169018; 799867,

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UNIT TX–28: EAST MATAGORDA BAY/MATAGORDA PENINSULA BEACH EAST: 194 HECTARES (481 ACRES) IN MATAGORDA COUNTY, TEXAS.

(1) Unit TX–28, Matagorda County, Texas. Coordinates are in UTM Zone 14N, North American Datum 1983 (meters E, meters N):

826255, 3184413; 826144, 3184255; 826082, 3184209; 825729, 3184026; 825639, 3183994; 824822, 3183472; 824219, 3183064; 823959, 3182871; 823794, 3182779; 823448, 3182551; 823260, 3182448; 822578, 3181993; 821871, 3181551; 821687, 3181407; 821599, 3181564; 821804, 3181677; 821805, 3181730; 821845, 3181733; 821868, 3181713; 821881, 3181737; 821874, 3181761; 821887, 3181769; 821923, 3181749; 821931, 3181789; 821995, 3181805; 821994, 3181835; 821952, 3181919; 822021, 3181956; 822017, 3181906; 821993, 3181883; 822034, 3181865; 822073, 3181905; 822110, 3181893; 822144, 3181948; 822145, 3181985; 822181, 3181986; 822189, 3182046; 822296, 3182105; 822362, 3182082; 822398, 3182112; 822398, 3182145; 822422, 3182151; 822406, 3182179; 822693, 3182372; 822814, 3182421; 822845, 3182474; 822893, 3182506; 822951, 3182513; 822967, 3182545; 822989, 3182545; 823000, 3182511; 823030, 3182494; 823060, 3182504; 823077, 3182533; 823045, 3182559; 823077, 3182605; 823164, 3182633; 823163, 3182666; 823386, 3182716; 823413, 3182751; 823377, 3182799; 823426, 3182812; 823438, 3182780; 823509, 3182846; 823591, 3182896; 823645, 3182873; 823793, 3183006; 824179, 3183243; 824191, 3183260; 824169, 3183278; 824074, 3183300; 824095, 3183334; 824155, 3183341; 824209, 3183378; 824368, 3183417; 824371, 3183454; 824415, 3183476; 824443, 3183482; 824479, 3183461; 824539, 3183482; 824635, 3183568; 824790, 3183647; 824792, 3183670; 824813, 3183684; 824777, 3183731; 824756, 3183799; 824759, 3183881; 824891, 3183871; 824909, 3183819; 824958, 3183806; 825029, 3183822; 825125, 3183886; 825180, 3183904; 825196, 3183917; 825179, 3183973; 825251, 3184071; 825179, 3184141; 825163, 3184192; 825309, 3184221; 825350, 3184198; 825363, 3184205; 825375, 3184184; 825364, 3184135; 825381, 3184105; 825537, 3184169; 825445, 3184230; 825465, 3184261; 825526, 3184253; 825539, 3184330; 825530, 3184355; 825567, 3184383; 825649, 3184398; 825705, 3184380; 825848, 3184381; 825929, 3184354; 826013, 3184373; 826009, 3184399; 826190, 3184525; 826276, 3184554; 826411, 3184646; 826400, 3184577; 826353, 3184503; Thence returning to 826255, 3184413.

830205, 3186883; 830049, 3186765; 830013, 3186765; 829946, 3186699; 829382, 3186350; 828066, 3185574; 827164, 3185085; 826836, 3184954; 826943, 3185048; 826987, 3185216; 827003, 3185207; 827072, 3185230; 827085, 3185260; 827084, 3185327; 827110, 3185354; 827210, 3185365; 827252, 3185392; 827287, 3185385; 827377, 3185461; 827440, 3185465; 827512, 3185500; 827551, 3185497; 827572, 3185471; 827594, 3185480; 827621, 3185551; 827733, 3185595; 827745, 3185647; 827847, 3185743; 827904, 3185777; 827968, 3185772; 828020, 3185747; 828075, 3185764; 828145, 3185803; 828158, 3185843; 828244, 3185846; 828245, 3185880; 828414, 3185951; 828418, 3186022; 828501, 3186031; 828502, 3186064; 828550, 3186076; 828558, 3186101; 828612, 3186117; 828679, 3186113; 828774, 3186175; 828762, 3186197; 828790, 3186228; 828855, 3186206; 828863, 3186226; 828966, 3186248; 829054, 3186316; 829078, 3186310; 829148, 3186353; 829189, 3186400; 829268, 3186437; 829288, 3186490; 829362, 3186541; 830412, 3187170; 830529, 3187068; Thence returning to 830205, 3186883.

UNIT TX–29: BROWN CEDAR CUT. 119 HA (294 AC) IN MATAGORDA COUNTY

This unit extends 2 km (1.2 mi.) both southwest and northeast of the main channel of Brown Cedar Cut along the bayside of Matagorda Peninsula in East Matagorda Bay, and abuts unit TX–28 to the southeast. The landward boundary is the line indicating the beginning of dense vegetation, and the bayside boundary is MLLW. The eastern boundary of TX–29 follows the change in habitat from mud flats preferred by the piping plover, to slightly vegetated dune system adjacent to TX–28. This unit includes upland areas used for roosting by the piping plover. This unit includes lands known as wind tidal flats that are infrequently inundated by seasonal winds.

UNIT TX–30: NORTHEAST CORNER EAST MATAGORDA BAY. 120 HA (297 AC) IN MATAGORDA COUNTY

This unit is bounded on the north by the Gulf Intercoastal Waterway, on the east by the northeast limit of Matagorda bay up the line where dense vegetation begins, on the south by the boundary of Unit TX–28, and on the west by MLLW. It is a system of flats associated with tidal channels. This unit includes upland areas used for roosting by the piping plover and lands known as wind tidal flats that are infrequently inundated by seasonal winds.

UNIT TX–31: SAN BERNARD NWR BEACH: 162 HECTARES (401 ACRES) IN BRAZORIA AND MATAGORDA COUNTIES, TEXAS.

(1) Unit TX–31, Brazoria County, Texas. Coordinates are in UTM Zone 14N, North American Datum 1983 (meters E, meters N):

845107, 3196259; 845109, 3196228; 845094, 3196220; 845074, 3196229; 845012, 3196214; 844789, 3196124; 844698, 3196051; 844637, 3195948; 844638, 3195822; 844631, 3195763; 844611, 3195738; 844645, 3195687; 844580, 3195695; 844354, 3195499; 843993, 3195392; 843666, 3195222; 843102, 3194895; 843008, 3194826; 842964, 3194814; 842745, 3194673; 842540, 3194566; 841475, 3193902; 840906, 3193575; 840873, 3193674; 840883, 3193749; 840904, 3193744; 840926, 3193790; 840903, 3193797; 840916, 3193814; 840902, 3193812; 840968, 3193922; 840984, 3193875; 841026, 3193872; 841030, 3193889; 841039, 3193879; 841065, 3193891; 841064, 3193916; 841078, 3193900; 841117, 3193903; 841178, 3193918; 841239, 3193971; 841278, 3193963; 841318, 3193988; 841306, 3194010; 841342, 3194027; 841361, 3194013; 841396, 3194050; 841440, 3194059; 841450, 3194079; 841484, 3194086; 841494, 3194118; 841552, 3194133; 841695, 3194218; 841704, 3194241; 842261, 3194573; 842322, 3194596; 842529, 3194742; 842704, 3194832; 842808, 3194909; 843042, 3195025; 843088, 3195056; 843084, 3195074; 843115, 3195072; 843158, 3195097; 843158, 3195112; 843238, 3195149; 843242, 3195171; 843341, 3195194; 843402, 3195234; 843423, 3195266; 843433, 3195256; 843468, 3195289; 843554, 3195319; 843555, 3195334; 843673, 3195389; 843741, 3195447; 843830, 3195469; 843849,

3195480; 843851, 3195502; 843897, 3195527; 843934, 3195528; 843937, 3195547; 843967, 3195554; 843955, 3195571; 844007, 3195571; 844013, 3195590; 844041, 3195594; 844096, 3195648; 844198, 3195670; 844280, 3195735; 844334, 3195759; 844369, 3195753; 844459, 3195808; 844503, 3195860; 844554, 3195872; 844560, 3195908; 844591, 3195936; 844582, 3195969; 844593, 3196000; 844661, 3196087; 844707, 3196123; 844992, 3196283; 845121, 3196321; Thence returning to 845107, 3196259.

(2) Unit TX–31, Matagorda County, Texas. Coordinates are in UTM Zone 14N, North American Datum 1983 (meters E, meters N):

839649, 3192913; 839630, 3192824; 839613, 3192799; 839508, 3192750; 839098, 3192452; 839023, 3192428; 838813, 3192271; 838270, 3191930; 838203, 3191872; 837748, 3191599; 836314, 3190660; 836078, 3190523; 836034, 3190623; 836053, 3190665; 836283, 3190768; 836312, 3190807; 836350, 3190813; 836386, 3190875; 836466, 3190881; 836542, 3190928; 836529, 3190954; 836538, 3190961; 836646, 3190987; 836715, 3191029; 836768, 3191083; 836849, 3191129; 836878, 3191168; 836956, 3191189; 837036, 3191257; 837089, 3191281; 837100, 3191313; 837181, 3191370; 837272, 3191391; 837302, 3191427; 837333, 3191427; 837373, 3191456; 837374, 3191474; 838050, 3191909; 838100, 3191939; 838145, 3191939; 838147, 3191973; 838190, 3191977; 838224, 3192019; 838276, 3192051; 838274, 3192081; 838329, 3192083; 838392, 3192135; 838413, 3192124; 838409, 3192153; 838423, 3192173; 838447, 3192174; 838457, 3192200; 838474, 3192200; 838505, 3192239; 838553, 3192245; 838545, 3192261; 838618, 3192303; 838667, 3192291; 838662, 3192320; 838746, 3192330; 838736, 3192356; 838769, 3192356; 838779, 3192413; 838813, 3192455; 838897, 3192493; 838931, 3192481; 838955, 3192618; 839013, 3192626; 839073, 3192608; 839076, 3192633; 839122, 3192615; 839123, 3192653; 839153, 3192647; 839154, 3192684; 839214, 3192718; 839221, 3192767; 839298, 3192758; 839334, 3192814; 839379, 3192806; 839419, 3192820; 839441, 3192858; 839464, 3192865; 839445, 3192936; 839489, 3192935; 839515, 3192910; 839525, 3192920; 839427, 3192977; 839402, 3193017; 839435, 3193128; 839423, 3193182; 839474, 3193188; 839505, 3193171; 839618, 3193009; Thence returning to 839649, 3192913.

840883, 3193749; 840873, 3193674; 840906, 3193575; 840754, 3193476; 840604, 3193400; 840474, 3193299; 840195, 3193155; 839950, 3193003; 839807, 3192959; 839722, 3192960; 839670, 3193003; 839509, 3193215; 839394, 3193303; 839377, 3193380; 839399, 3193507; 839447, 3193568; 839491, 3193580; 839564, 3193495; 839547, 3193432; 839610, 3193325; 839726, 3193312; 839720, 3193333; 839775, 3193352; 839861, 3193324; 839880, 3193234; 839874, 3193181; 839888, 3193152; 839908, 3193151; 839985, 3193200; 840032, 3193201; 840081, 3193224; 840092, 3193256; 840110, 3193246; 840266, 3193337; 840375, 3193419; 840369, 3193438; 840345, 3193447; 840383, 3193489; 840424, 3193501; 840470, 3193478; 840528, 3193489; 840535, 3193508; 840569, 3193518; 840639, 3193586; 840774, 3193676; 840794, 3193688; 840811, 3193673; 840826, 3193692; 840821, 3193714; 840846, 3193694; 840854, 3193734; Thence returning to 840883, 3193749.

840943, 3193941; 840968, 3193922; 840902, 3193812; 840887, 3193825; 840911, 3193871; 840879, 3193929; Thence returning to 840943, 3193941.

UNIT TX–32: GULF BEACH BETWEEN BRAZOS AND SAN BERNARD RIVERS: 225 HECTARES (556 ACRES) IN BRAZORIA COUNTY, TEXAS.

(1) Unit TX–32, Brazoria County, Texas. Coordinates are in UTM Zone 14N, North American Datum 1983 (meters E, meters N):

853029, 3199397; 852994, 3199291; 852973, 3199145; 852864, 3198840; 852815, 3198760; 852748, 3198714; 852344, 3198593; 852136, 3198490; 851941, 3198432; 851707, 3198337; 851659, 3198350; 851373, 3198256; 850903, 3198055; 850790, 3198014; 850728, 3198011; 850320, 3197848; 850211, 3197825; 849540, 3197571; 849448, 3197524; 849268, 3197475; 849135, 3197410; 848611, 3197221; 848398, 3197161; 847953, 3196990; 847336, 3196798; 846786, 3196588; 846675, 3196569; 846342, 3196448; 845229, 3195980; 844645, 3195687; 844611, 3195738; 844631, 3195763; 844638, 3195822; 844637, 3195948; 844698, 3196051; 844789, 3196124; 845012, 3196214; 845074, 3196229; 845094, 3196220; 845109, 3196228; 845107, 3196259; 845142, 3196272; 845167, 3196301; 845215, 3196303; 845237, 3196334; 845262, 3196325; 845273, 3196348; 845424, 3196419; 845606, 3196444; 845641, 3196469; 845640, 3196503; 845653, 3196509; 845677, 3196510; 845683, 3196466; 845734, 3196476; 845744, 3196505; 845791, 3196516; 845823, 3196548; 845890, 3196579; 845911, 3196608; 845964, 3196626; 846022, 3196620; 846056, 3196663; 846085, 3196675; 846100, 3196665; 846118, 3196693; 846191, 3196698; 846209, 3196721; 846192, 3196726; 846198, 3196746; 846218, 3196761; 846299, 3196762; 846313, 3196881; 846346, 3196895; 846501, 3196810; 846707, 3196822; 846761, 3196860; 846683, 3196872; 846669, 3196898; 846639, 3196912; 846520, 3196897; 846501, 3196914; 846514, 3196943; 846552, 3196954; 846723, 3196942; 846820, 3196915; 846839, 3196942; 847062, 3196966; 847068, 3196983; 846988, 3196998; 847098, 3197024; 847198, 3197027; 847331, 3197007; 847493, 3197060; 847517, 3197084; 847696, 3197131; 847713, 3197148; 847697, 3197178; 847713, 3197200; 847749, 3197196; 847808, 3197153; 847843, 3197165; 847873, 3197197; 847957, 3197177; 847986, 3197185; 848073, 3197221; 848087, 3197255; 848387, 3197337; 848393, 3197356; 848487, 3197381; 848503, 3197369; 848528, 3197402; 848657, 3197427; 848722, 3197461; 848892, 3197489; 849089, 3197555; 849166, 3197605; 849247, 3197610; 849256, 3197636; 849362, 3197667; 849380, 3197691; 849437, 3197693; 849591, 3197765; 849597, 3197790; 849637, 3197808; 849660, 3197793; 849697, 3197797; 849821, 3197852; 849997, 3197912; 850082, 3197925; 850128, 3197958; 850218, 3197980; 850219, 3198012; 850249, 3198030; 850278, 3198021; 850271, 3198051; 850291, 3198055; 850271, 3198094; 850256, 3198085; 850257, 3198134; 850288, 3198156; 850290, 3198104; 850321, 3198039; 850338, 3198042; 850369, 3198059; 850363, 3198076; 850378, 3198104; 850452, 3198083; 850490, 3198125; 850502, 3198111; 850538, 3198134; 850556, 3198107; 850571, 3198114; 850582, 3198157; 850603, 3198128; 850616, 3198191; 850631, 3198191; 850645, 3198166; 850740, 3198192; 850750, 3198207; 850736, 3198227; 850685, 3198222; 850683, 3198234; 850730, 3198261; 850744, 3198238; 850788, 3198224; 850802, 3198242; 850773, 3198280; 850914, 3198295; 850960, 3198323; 850988, 3198285; 851014, 3198294; 851019, 3198318; 851066, 3198354; 851108, 3198352; 851102, 3198378; 851126, 3198379; 851154, 3198356; 851186, 3198372; 851203,

3198388; 851192, 3198413; 851202, 3198416; 851219, 3198383; 851252, 3198380; 851299, 3198415; 851331, 3198393; 851384, 3198445; 851401, 3198409; 851420, 3198408; 851434, 3198420; 851429, 3198448; 851458, 3198515; 851451, 3198566; 851500, 3198614; 851478, 3198671; 851550, 3198702; 851565, 3198647; 851587, 3198620; 851593, 3198650; 851668, 3198675; 851735, 3198660; 851766, 3198689; 851776, 3198721; 851747, 3198755; 851768, 3198827; 851792, 3198792; 851811, 3198792; 851865, 3198654; 851976, 3198664; 851978, 3198682; 852021, 3198709; 852189, 3198684; 852204, 3198687; 852198, 3198698; 852248, 3198691; 852267, 3198723; 852311, 3198690; 852321, 3198740; 852361, 3198734; 852378, 3198758; 852485, 3198822; 852521, 3198814; 852539, 3198837; 852570, 3198827; 852655, 3198869; 852699, 3198938; 852743, 3198978; 852782, 3199052; 852791, 3199099; 852773, 3199162; 852683, 3199153; 852686, 3199175; 852713, 3199192; 852781, 3199202; 852766, 3199249; 852724, 3199269; 852766, 3199277; 852767, 3199335; 852704, 3199332; 852707, 3199358; 852735, 3199382; 852767, 3199362; 852788, 3199366; 852806, 3199449; 852842, 3199509; 852835, 3199542; 852857, 3199556; 852859, 3199576; 852840, 3199588; 852888, 3199657; 852919, 3199669; 852917, 3199704; 852960, 3199781; 852964, 3199894; 852947, 3200031; 852893, 3200124; 852935, 3200170; 852985, 3200126; 853017, 3200074; 853035, 3199951; 853090, 3199908; 853152, 3199814; 853155, 3199724; 853121, 3199554; 853100, 3199497; 853062, 3199466; Thence returning to 853029, 3199397.

UNIT TX–33: BRYAN BEACH AND ADJACENT BEACH: 85 HECTARES (211 ACRES) IN BRAZORIA COUNTY, TEXAS.

(1) Unit TX–33, Brazoria County, Texas. Coordinates are in UTM Zone 14N, North American Datum 1983 (meters E, meters N):

857107, 3203393; 856954, 3203237; 856504, 3202856; 856027, 3202390; 855972, 3202358; 855205, 3201603; 855064, 3201442; 854944, 3201352; 854860, 3201254; 854447, 3200890; 854419, 3200839; 854299, 3200702; 854203, 3200634; 854165, 3200577; 854048, 3200475; 853671, 3200028; 853567, 3199956; 853447, 3199827; 853333, 3199776; 853258, 3199781; 853188, 3199823; 853130, 3200052; 853080, 3200129; 853038, 3200249; 853029, 3200293; 853061, 3200335; 853084, 3200356; 853100, 3200337; 853140, 3200182; 853233, 3199992; 853257, 3199984; 853282, 3200035; 853313, 3200036; 853344, 3199998; 853323, 3199957; 853337, 3199936; 853427, 3199983; 853558, 3200131; 853578, 3200181; 853691, 3200317; 853737, 3200293; 854041, 3200602; 853992, 3200705; 854094, 3200786; 854146, 3200781; 854169, 3200741; 854271, 3200850; 854276, 3200948; 854319, 3200983; 854308, 3201001; 854324, 3201014; 854354, 3201000; 854348, 3200979; 854369, 3200949; 854386, 3200956; 854378, 3200997; 854404, 3200991; 854416, 3201006; 854417, 3201046; 854436, 3201057; 854438, 3201017; 854484, 3201058; 854496, 3201134; 854529, 3201152; 854558, 3201133; 854784, 3201345; 854782, 3201396; 854815, 3201379; 855116, 3201662; 855121, 3201712; 855157, 3201708; 855182, 3201724; 855233, 3201795; 855264, 3201810; 855327, 3201893; 855330, 3201926; 855305, 3201957; 855301, 3202034; 855324, 3202063; 855347, 3202021; 855375, 3202009; 855387, 3201970; 855425, 3202034; 855378, 3202031; 855352, 3202050; 855339, 3202086; 855412, 3202105; 855422, 3202075; 855447, 3202073; 855465, 3202050; 855477, 3202094; 855557, 3202145; 855545, 3202169; 855496, 3202194; 855504, 3202210; 855560, 3202196; 855675, 3202272; 855669, 3202286; 855612, 3202280; 855607, 3202301; 855697, 3202387; 855677, 3202438; 855696, 3202463; 855707, 3202466; 855718, 3202395; 855734, 3202394; 855776, 3202407; 855857, 3202485; 855995, 3202547; 856665, 3203144; 856699, 3203184; 856700, 3203229; 856656, 3203223; 856604, 3203251; 856577, 3203298; 856574, 3203343; 856612, 3203392; 856746, 3203420; 856823, 3203388; 856834, 3203335; 856871, 3203348; 857231, 3203647; 857292, 3203715; 857345, 3203741; 857351, 3203789; 857405, 3203645; 857323, 3203563; 857237, 3203514; 857107, 3203393.

UNIT TX–34: SAN LUIS PASS. 110 HA (272 AC) NEAR THE BRAZORIA/GALVESTON COUNTY LINE

This unit extends along the Gulf side of Galveston Island from San Luis Pass to the site of the former town of Red Fish Cove (USGS 1:24,000 map, San Luis Pass, Texas; 1963, photorevision 1974). The landward boundary is the line indicating the beginning of dense vegetation, and the gulfside boundary is MLLW. Approximately 57 percent of the unit includes flats in the floodtide delta that are State-owned and managed by the TGLO. This unit includes lands known as wind tidal flats that are infrequently inundated by seasonal winds.

UNIT TX–35: BIG REEF. 47 HA (117 AC) IN GALVESTON COUNTY

This unit consists of beach and sand flats on the north, west, and east shore of Big Reef, down to MLLW. South Jetty is not included. The area is currently managed by the City of Galveston. This unit includes lands known as wind tidal flats that are infrequently inundated by seasonal winds.

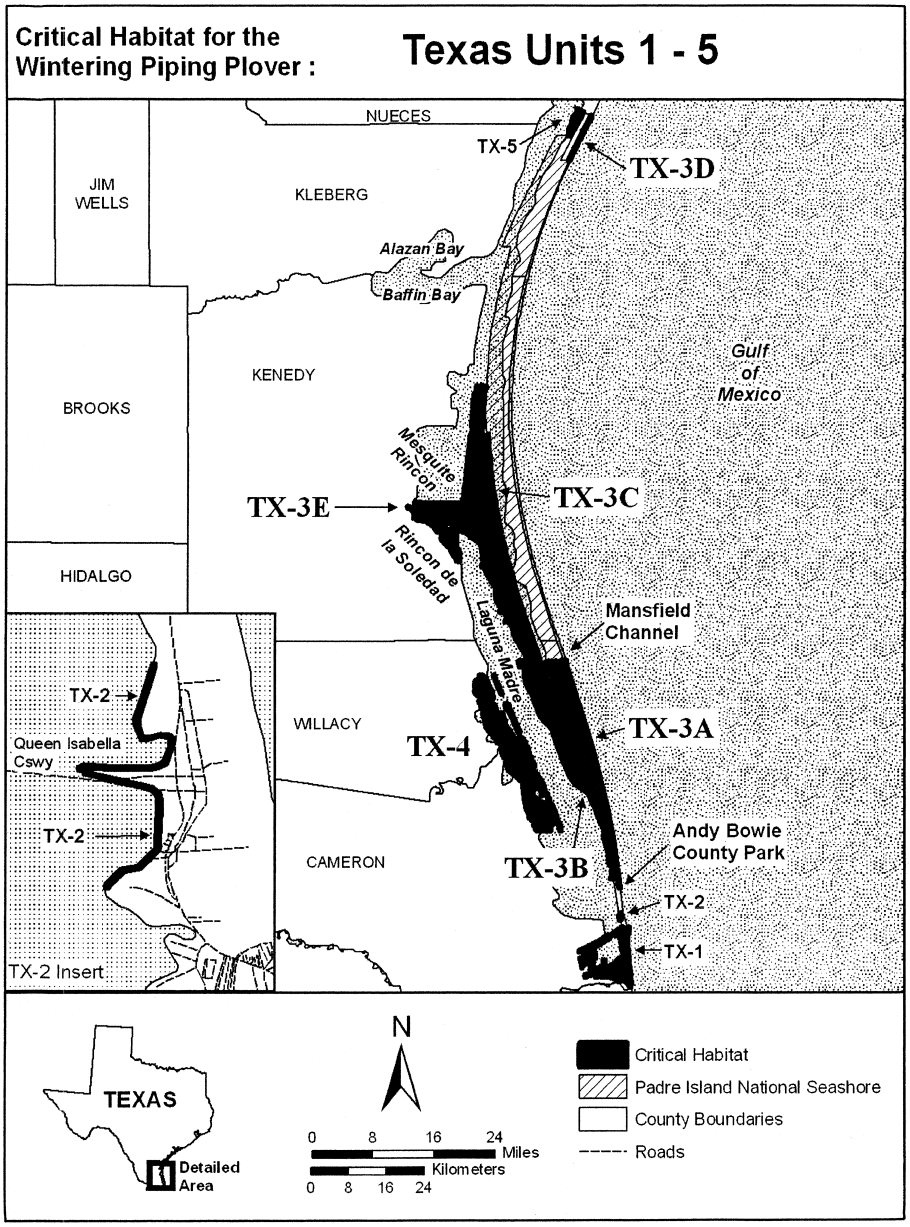
UNIT TX–36: BOLIVAR FLATS. 160 HA (395 AC) IN GALVESTON COUNTY

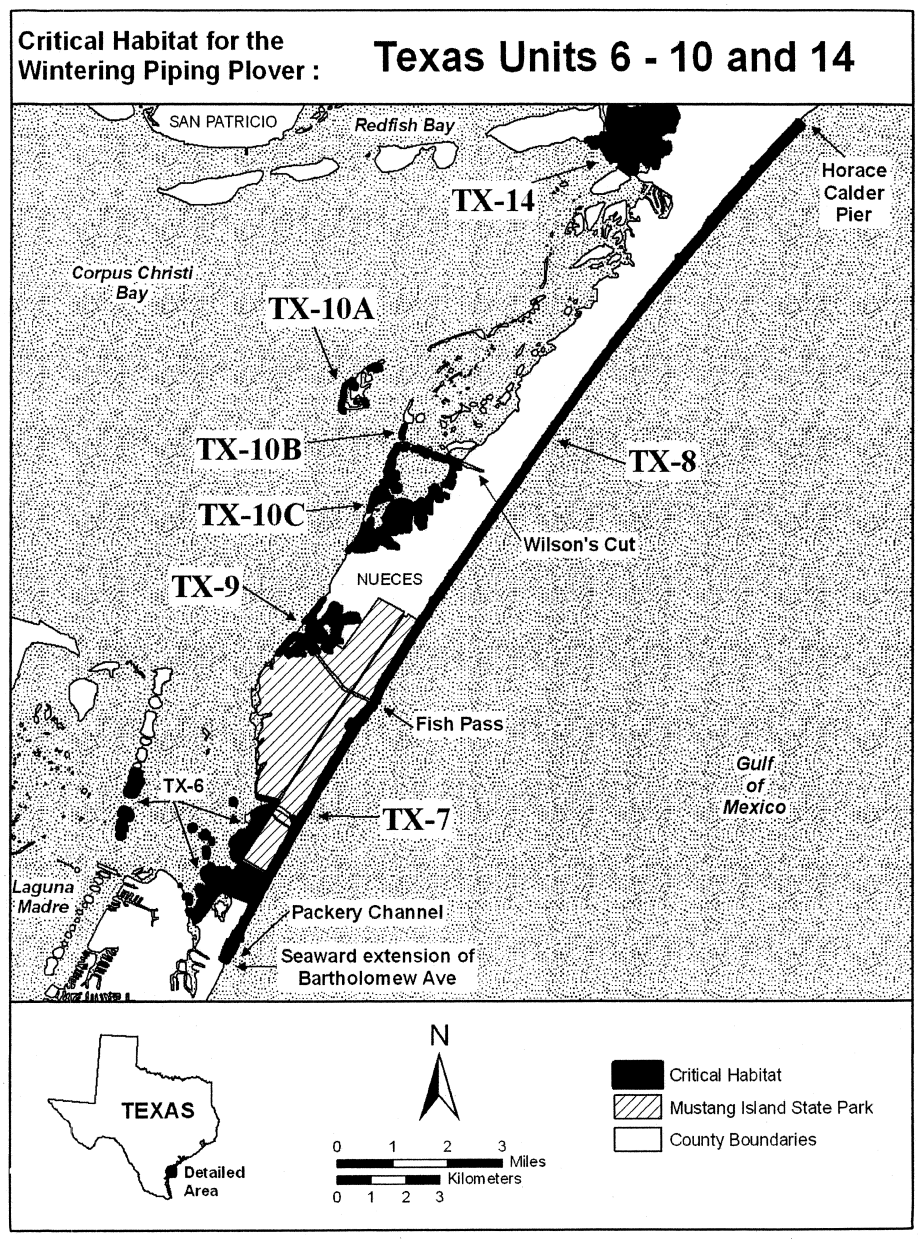
This unit extends from the jetties on the southwest end of the Bolivar Peninsula to a point on the Gulf beach 1 km (0.6 mi) north of Beacon Bayou. It includes 5.0 km (3 mi) of Gulf shoreline. The landward boundary is the line indicating the beginning of dense vegetation, and the gulfside boundary is MLLW. The area is leased from TGLO by Houston Audubon Society and managed for its important avian resources. The upland areas are used for roosting by the piping plover. This unit includes lands known as wind tidal flats that are infrequently inundated by seasonal winds.

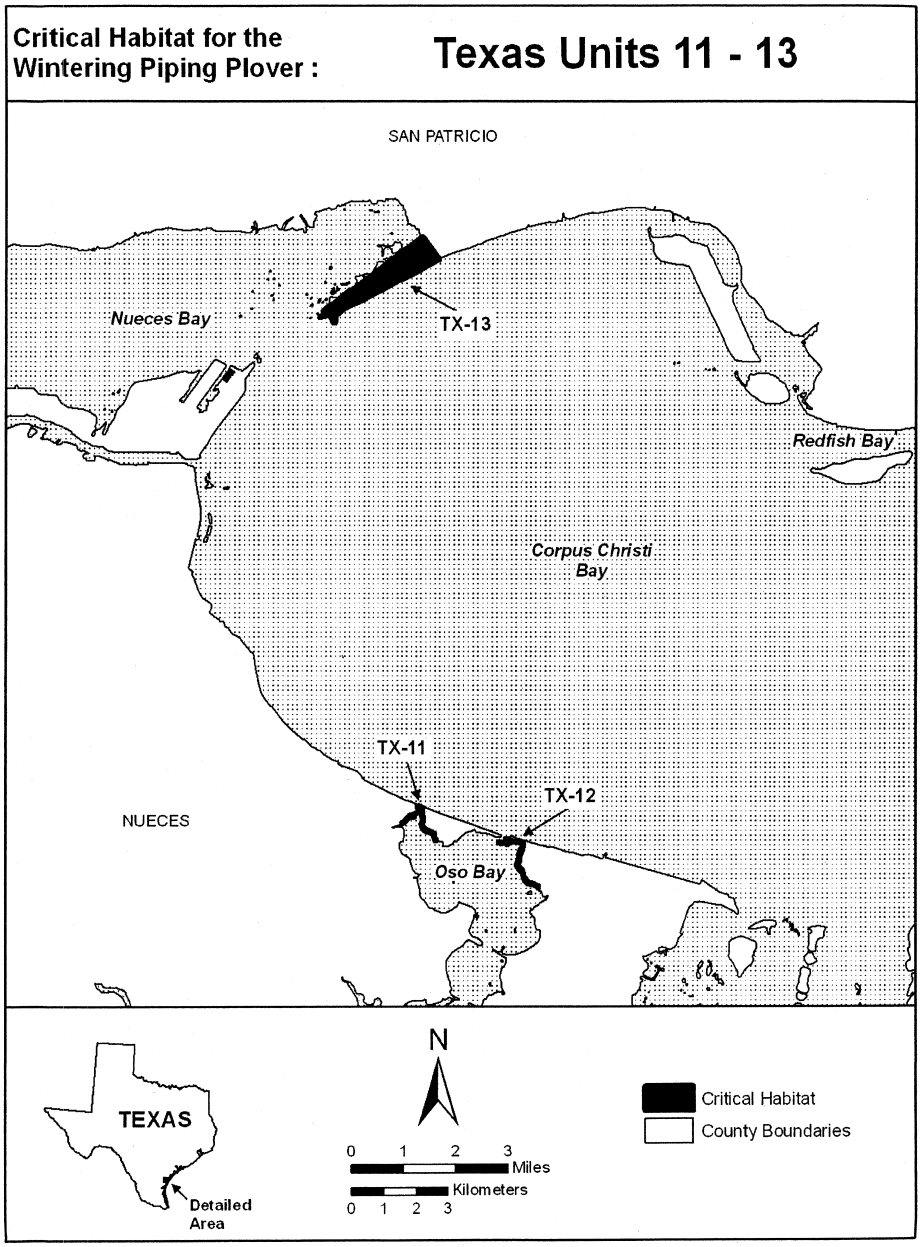
UNIT TX–37: ROLLOVER PASS. 6 HA (16 AC) IN GALVESTON COUNTY

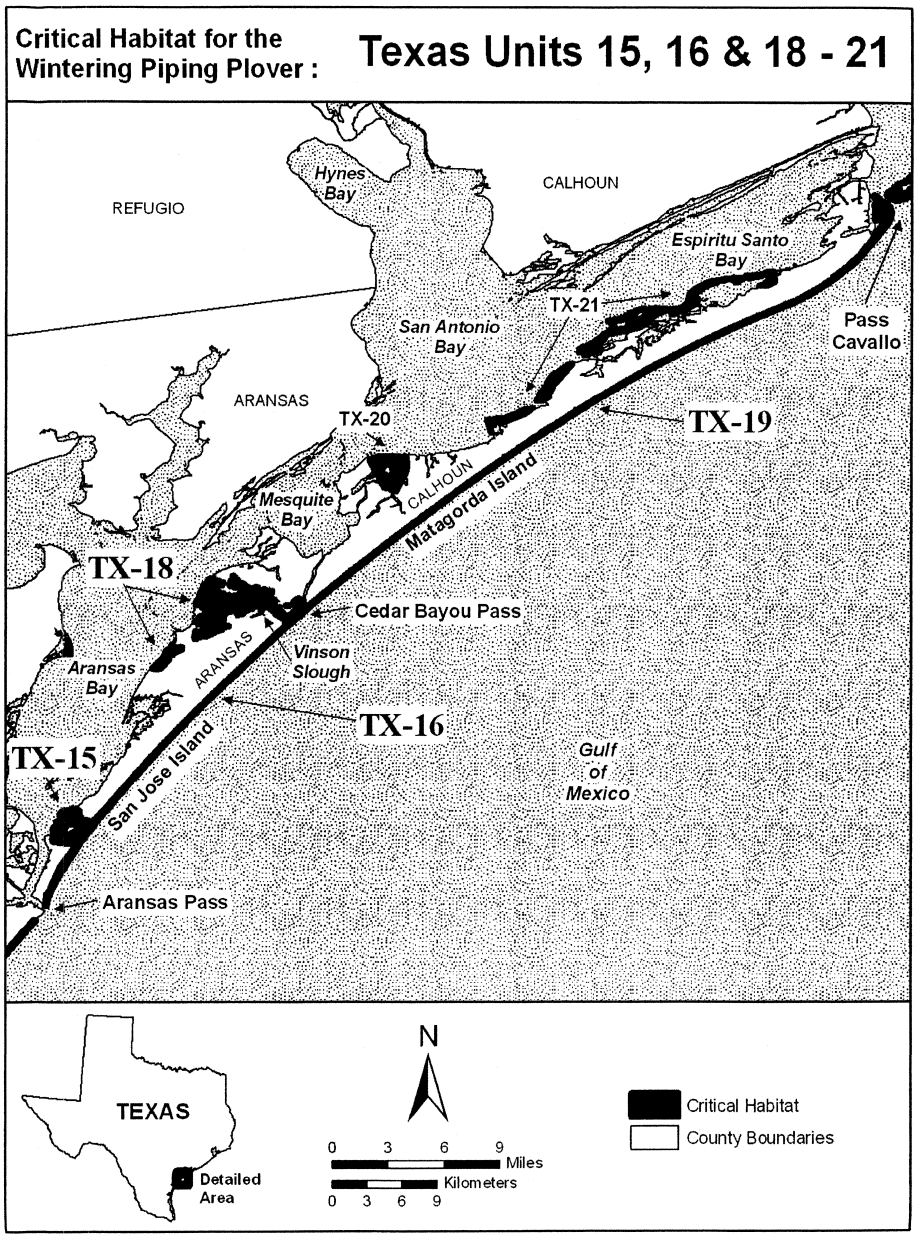
This unit consists of Rollover Bay on the bayside of Bolivar Peninsula. The landward boundary is the line indicating the beginning of dense vegetation, and the bayside boundary is MLLW. It includes flats on State-

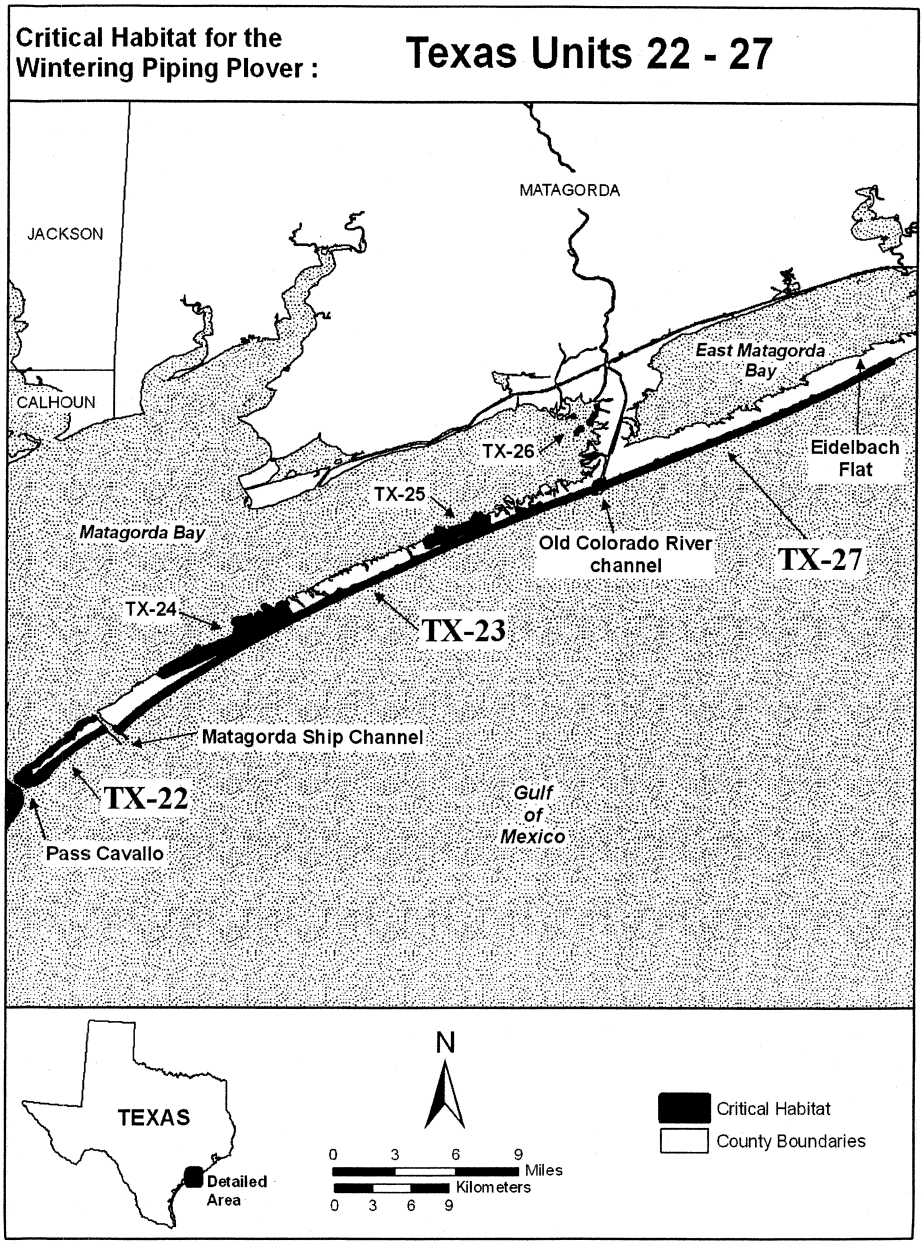
owned land managed by the TGLO. This unit captures the intertidal complex of the bay, and is bounded by the towns of Gilchrist to the east and the Gulf beach of the Bolivar Peninsula to the south. This unit includes lands known as wind tidal flats that are infrequently inundated by seasonal winds.

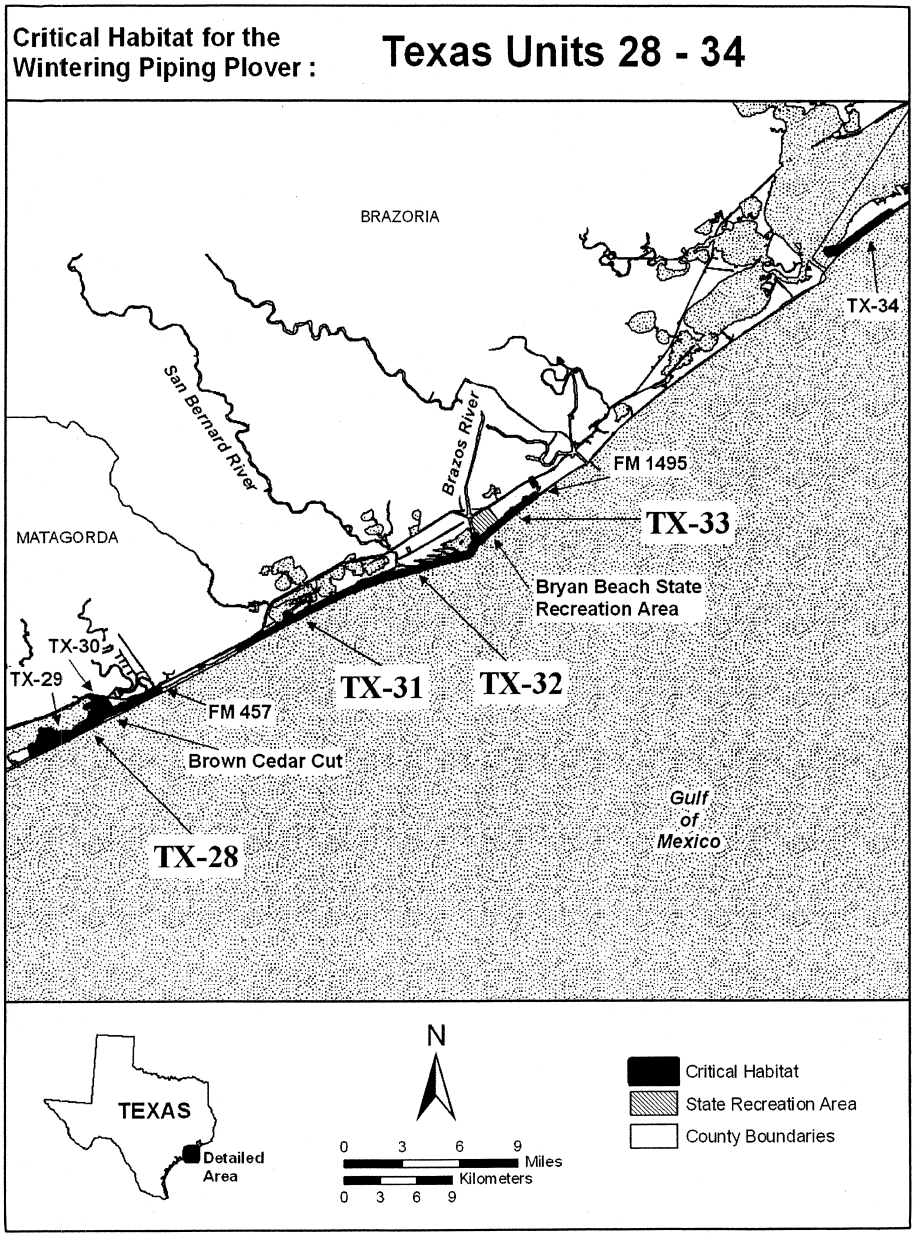


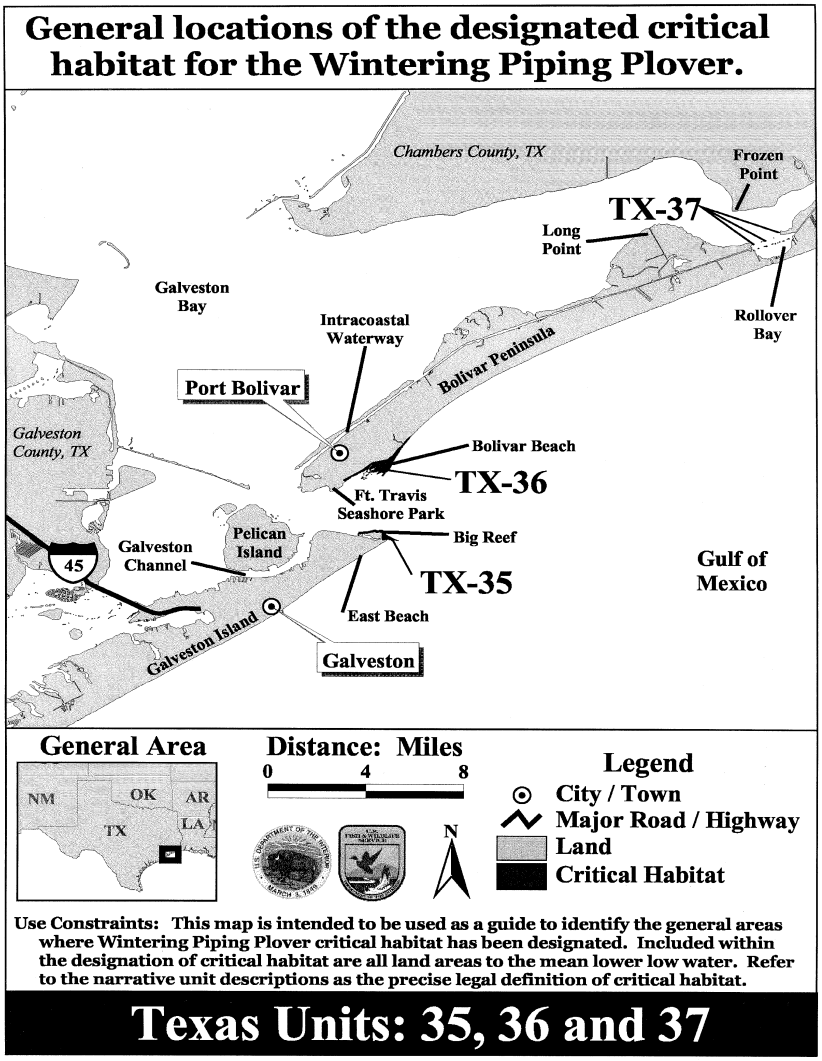

Critical Habitat for the Wintering Piping Plover :
Texas Units 6 - 10 and 14
SAN PATRICIO
Redfish Bay
TX-14
Horace Calder Pier
Corpus Christi Bay
TX-10A
TX-10B
TX-8
TX-10C
Wilson's Cut
NUECES
TX-9
Fish Pass
Gulf of Mexico
TX-6
TX-7
Laguna Madre
Packery Channel
Seaward extension of Bartholomew Ave
TEXAS
Detailed Area
N
0 1 2 3
Miles
Kilometers
0 1 2 3
Critical Habitat
Mustang Island State Park
County Boundaries


Critical Habitat for the Wintering Piping Plover :
Texas Units 11 - 13
SAN PATRICIO
Nueces Bay
TX-13
Redfish Bay
Corpus Christi Bay
TX-11
TX-12
NUECES
Oso Bay
TEXAS
Detailed Area
N
0 1 2 3
Miles
Kilometers
0 1 2 3
Critical Habitat
County Boundaries


Critical Habitat for the Wintering Piping Plover :
Texas Units 15, 16 & 18 - 21
REFUGIO
Hynes Bay
CALHOUN
Espiritu Santo Bay
TX-21
San Antonio Bay
Pass Cavallo
ARANSAS
TX-20
TX-19
CALHOUN
Mesquite Bay
Matagorda Island
TX-18
Cedar Bayou Pass
Aransas Bay
ARANSAS
Vinson Slough
TX-16
TX-15
San Jose Island
Gulf of Mexico
Aransas Pass
TEXAS
Detailed Area
N
0 3 6 9
Miles
Kilometers
0 3 6 9
Critical Habitat
County Boundaries


Critical Habitat for the Wintering Piping Plover :
Texas Units 22 - 27
MATAGORDA
JACKSON
CALHOUN
East Matagorda Bay
TX-26
Eidelbach Flat
TX-25
Matagorda Bay
Old Colorado River channel
TX-27
TX-24
TX-23
Matagorda Ship Channel
TX-22
Gulf of Mexico
Pass Cavallo
TEXAS
Detailed Area
N
0 3 6 9
Miles
Kilometers
0 3 6 9
Critical Habitat
County Boundaries


Critical Habitat for the Wintering Piping Plover :
Texas Units 28 - 34
BRAZORIA
MATAGORDA
San Bernard River
Brazos River
FM 1495
TX-34
TX-33
Bryan Beach State Recreation Area
TX-30
TX-29
TX-31
TX-32
FM 457
Brown Cedar Cut
TX-28
Gulf of Mexico
TEXAS
Detailed Area
N
0 3 6 9
Miles
Kilometers
0 3 6 9
Critical Habitat
State Recreation Area
County Boundaries



PIPING PLOVER (*Charadrius melodus*)—NORTHERN GREAT PLAINS BREEDING POPULATION

1. Critical habitat units are depicted for Minnesota, Montana, Nebraska, North Dakota, and South Dakota, on the maps and as described below. The maps provided are for informational purposes only.

2. The one overriding primary constituent element (biological) required to sustain the northern Great Plains breeding population of piping plovers that must be present at all sites is the dynamic ecological processes that create and maintain piping plover habitat. Without this biological process the physical component of the primary constituent elements would not be able to develop. These processes develop a mosaic of habitats on the landscape that provide the essential combination of prey, forage, nesting, brooding and chick-rearing areas. The annual, seasonal, daily, and even hourly availability of the habitat patches is dependent on local weather, hydrological conditions and cycles, and geological processes. The biological primary constituent element, *i.e.*, dynamic ecological processes, creates different physical

primary constituent elements on the landscape. These physical primary constituent elements exist on different habitat types found in the northern Great Plains, including mixosaline to hypersaline wetlands (Cowardin *et al.* 1979), rivers, reservoirs, and inland lakes. These habitat types or physical primary constituent elements that sustain the northern Great Plains breeding population of piping plovers are described as follows:

i. On prairie alkali lakes and wetlands, the physical primary constituent elements include—(1) shallow, seasonally to permanently flooded, mixosaline to hypersaline wetlands with sandy to gravelly, sparsely vegetated beaches, salt-encrusted mud flats, and/or gravelly salt flats; (2) springs and fens along edges of alkali lakes and wetlands; and (3) adjacent uplands 200 ft (61 m) above the high water mark of the alkali lake or wetland.

ii. On rivers the physical primary constituent elements include—sparsely vegetated channel sandbars, sand and gravel beaches on islands, temporary pools on sandbars and islands, and the interface with the river.

iii. On reservoirs the physical primary constituent elements include—sparsely vegetated shoreline beaches, peninsulas, islands composed of sand, gravel, or shale, and their interface with the water bodies.

iv. On inland lakes (Lake of the Woods) the physical primary constituent elements include—sparsely vegetated and windswept sandy to gravelly islands, beaches, and peninsulas, and their interface with the water body.

3. Critical habitat does not include existing developed areas such as mainstem dam structures, buildings, marinas, boat ramps, bank stabilization and breakwater structures, row cropped or plowed agricultural areas, roads and other lands (e.g., high bank bluffs along Missouri River) unlikely to contain primary constituent elements essential for northern Great Plains piping plover conservation.

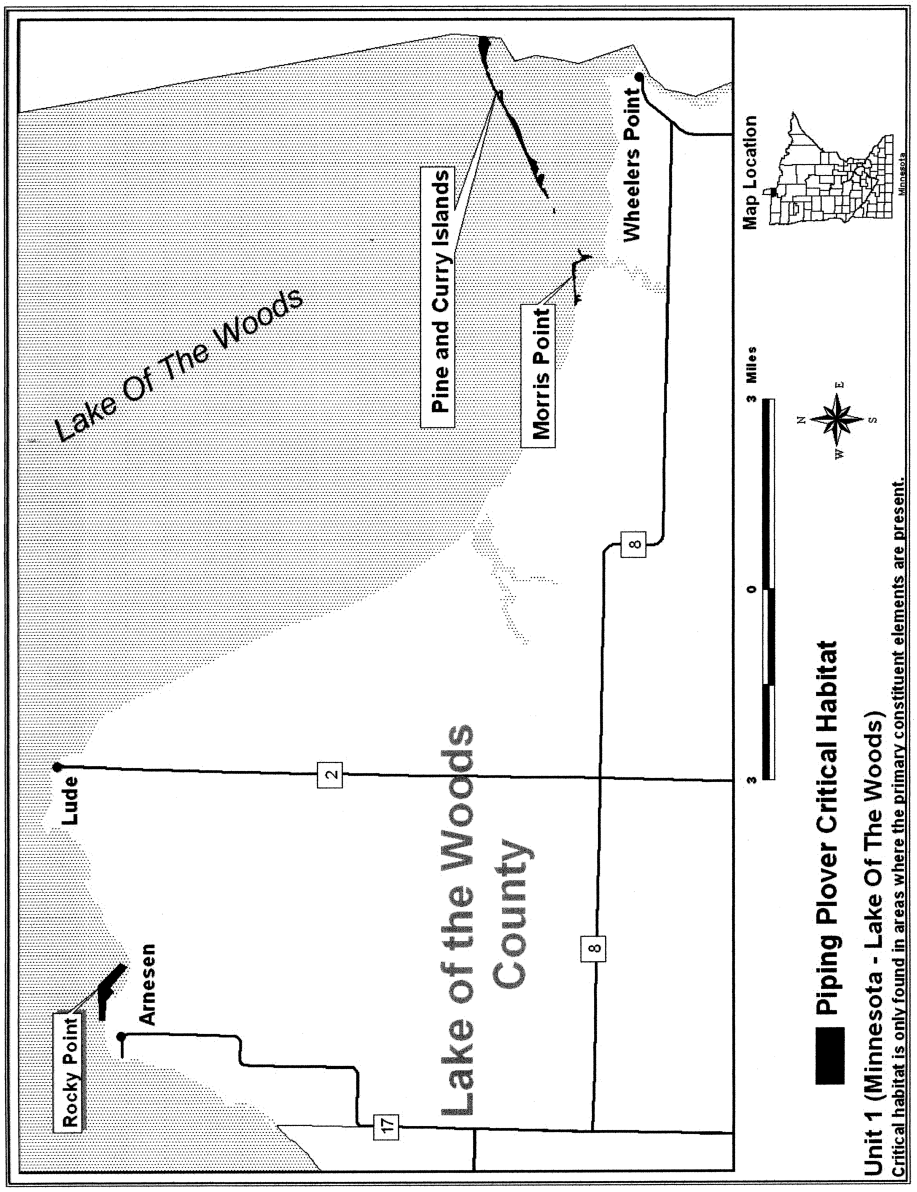
MINNESOTA

Projection: UTM Zone 15, NAD83, GRS 1980, Meters.

Unit MN–1: Rocky Point, Morris Point, and Pine and Curry Island.

This unit consists of sparsely vegetated and windswept sandy to gravelly islands, beaches, and peninsulas, and their interface with the water body (as defined in item 2 i-iv above) located in Lake of the Woods County in the following Township, Range, and Section(s):

Pine and Curry Islands: T. 162 N., R. 31 W., Sec. 1; T. 162 N., R. 32 W., Sec. 6, 10–12; Morris Point: T. 162 N., R. 32 W., Sec. 15–16; Rocky Point: T. 163 N., R. 34 W.; Sec. 4–5, 9.



MONTANA

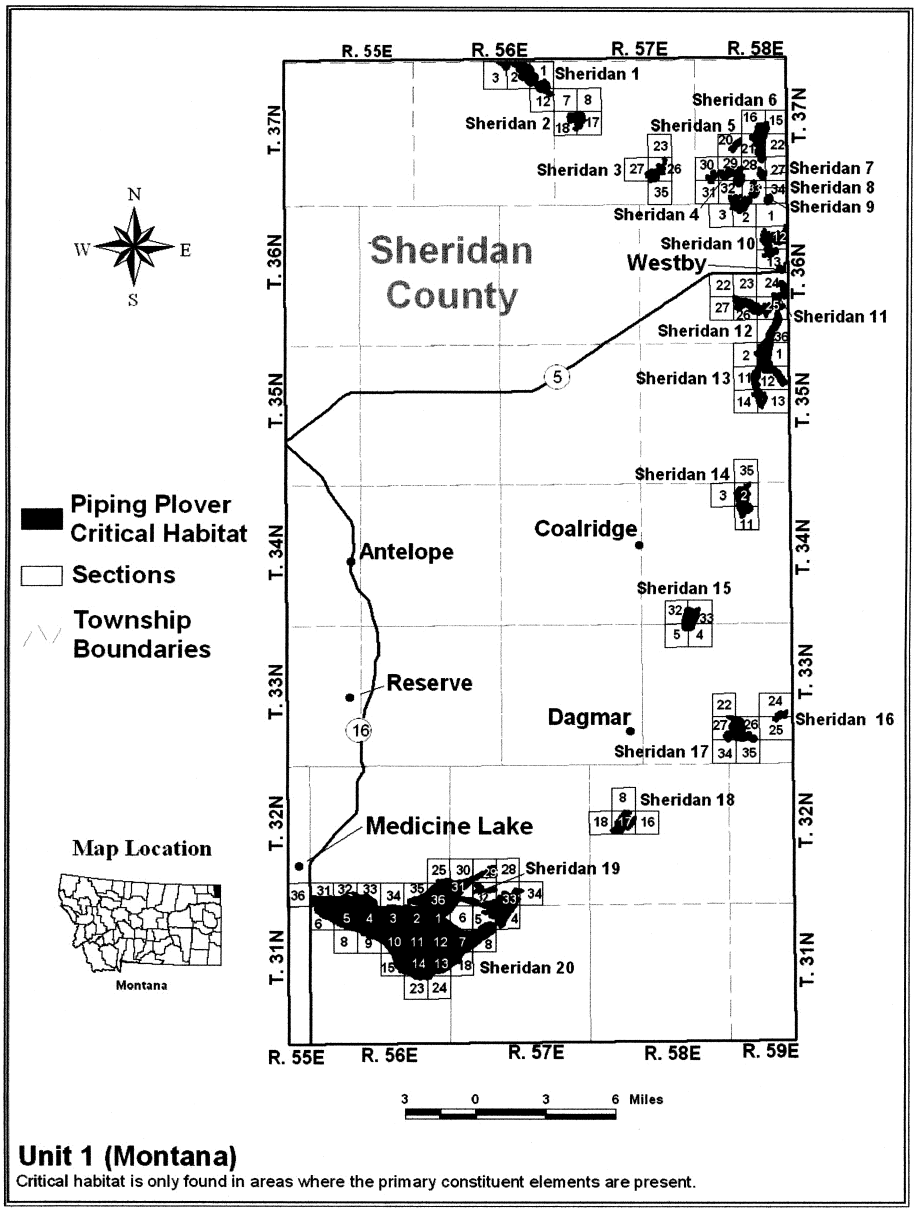
Projection: UTM Zone 13, NAD27, Clarke 1866, Meters.

Unit MT–1: Sheridan 1–20.

This unit consists of 20 alkali lakes and wetlands (as defined in item 2. i–iv. above) located in Sheridan County in the following Township, Range, and Section(s). The description that follows includes site map number; common name in parentheses; Township, Range, and Section(s); and UTM coordinate (X, Y) of the center point:

Sheridan 1 (Salt Lake); T. 37 N., R. 56 E., Sec. 1, 2, 12; T. 37 N., R. 57 E., Sec. 7;

551735.070, 5426228.954; Sheridan 2 (Galloway Lake); T. 37 N., R. 57 E., Sec. 7, 8, 17; 18; 555270.876, 5423341.594; Sheridan 3 (Lake North Of Espen); T. 37 N., R. 57 E., Sec. 7, 8, 17; 560733.568, 5420004.719; Sheridan 4 (Throntveit Lake); T. 37 N., R. 58 E., Sec. 28–33; 565501.589, 5419571.004; Sheridan 5 (Dog Leg WPA); T. 37 N., R. 58 E., Sec. 20; 566167.080, 5421711.910; Sheridan 6 (Anderson Lake); T. 37 N., R. 58 E., Sec. 15, 16, 21, 22, 27, 28; 567829.681, 5421938.009; Sheridan 7 (Gjesda; East WPA); T. 37 N., R. 58 E., Sec. 27, 28, 33; 568018.405, 5419742.779; Sheridan 8 (Flat Lake); T. 37 N., R. 58 E., Sec. 28, 32, 33; T. 36 N., R. 58 E., Sec. 2, 3; 566825.455, 5418175.594; Sheridan 9 (Lake North Of Stateline); T. 37 N., R. 58 E., Sec. 33, 34, T. 36 N., R. 58 E., Sec. 1; 568493.188, 5417985.314; Sheridan 10 (Round/Westby Lake); T. 36 N., R. 58 E., Sec. 1, 12, 13; 568830.499, 5415144.074; Sheridan 11 (Upper Goose Lake); T. 36 N., R. 58 E., Sec. 24, 25; 568964.588, 5411105.524; Sheridan 12 (West Goose Lake); T. 36 N., R. 58 E., Sec. 22, 23, 25–27; 567098.230, 5410658.484; Sheridan 13 (Goose Lake); T. 36 N., R. 58 E., Sec. 25, 36; T. 35 N., R. 58 E., Sec. 1, 2, 11–14; 568569.535, 5406908.114; Sheridan 14 (Big Slough WPA); T. 35 N., R. 58 E., Sec. 35; T. 34 N., R. 58 E., Sec. 1, 3, 11; 566846.207, 5397179.894; Sheridan 15 (Clear Lake); T. 34 N., R. 58 E., Sec. 32, 33; T. 33 N., R. 58 E., Sec. 4, 5; 563265.689, 5389005.274; Sheridan 16 (Erickson WPA); T. 33 N., R. 58 E., Sec. 24, 25; 569395.858, 5382318.164; Sheridan 17 (Parry Lake); T. 33 N., R. 58 E., Sec. 22, 26, 27, 34, 35; 566648.805, 5381422.559; Sheridan 18 (Katy's Lake); T. 32 N., R. 58 E., Sec. 8, 16–18; 558661.047, 5375001.119; Sheridan 19 (Deep Lake); T. 32 N., R. 57 E., Sec. 32; 548829.097, 5370424.894; Sheridan 20 (Medicine Lake); T. 31 N., R. 56 E., Sec. 1–6, 8–12, 13–15, 23, 24; T. 31 N., R. 57 E., Sec. 4–8, 18; T. 32 N., R. 55 E., Sec. 36, T. 32 N., R. 56 E., Sec. 25, 31–36; T. 32 N., R. 57 E., Sec. 28–34; 544469.013, 5368031.399.

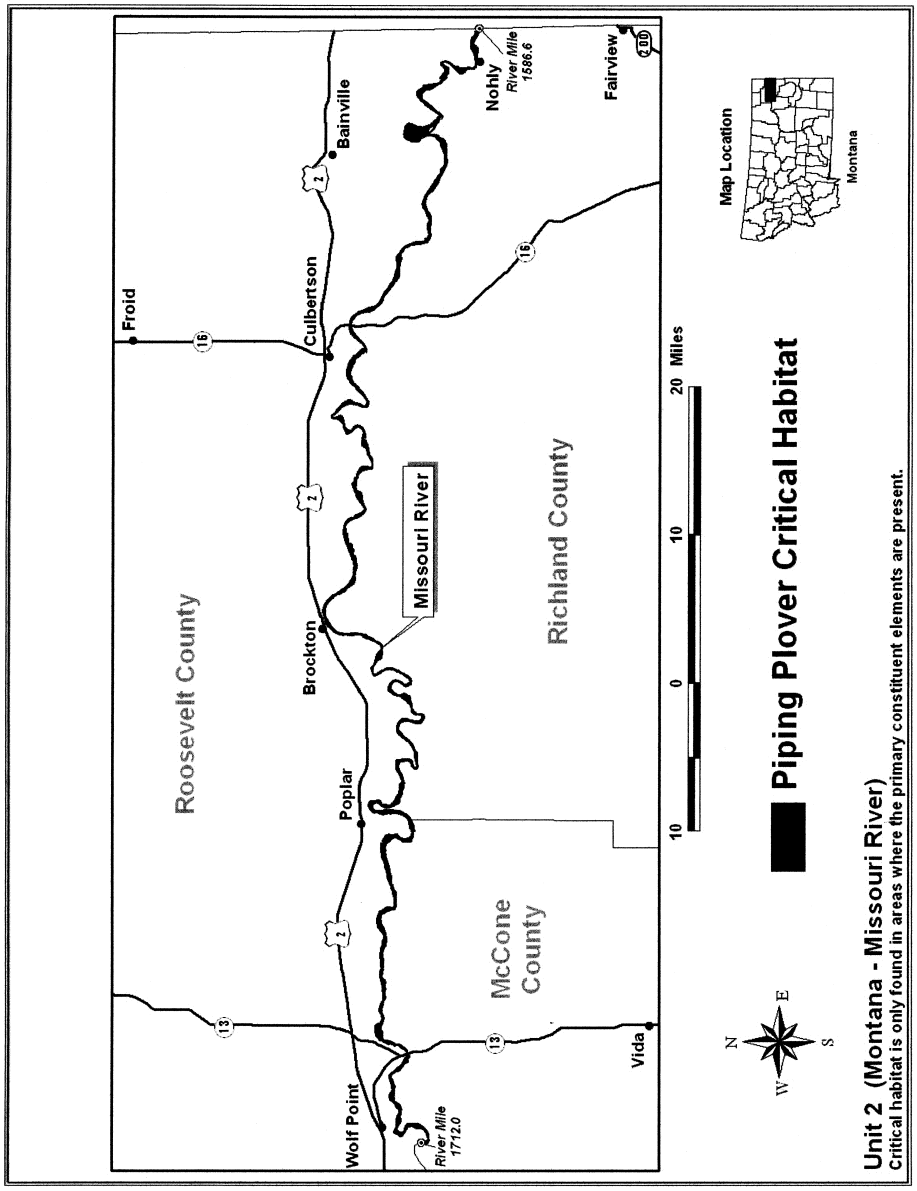


Unit 1 (Montana)

Critical habitat is only found in areas where the primary constituent elements are present.

Unit MT–2: Missouri River—approximately 125.4 mi (201.8 km) from just west of Wolf Point, McCone County, Montana, at RM 1712.0 downstream to the Montana/North Dakota border, Richland County, Montana, and McKenzie County, North Dakota, at RM 1586.6 including TRS listed below. The Missouri River in this unit flows through reservation lands of the Assiniboine and Sioux Tribes of Fort Peck (81.7 mi (131.5 km), State, and privately owned land.

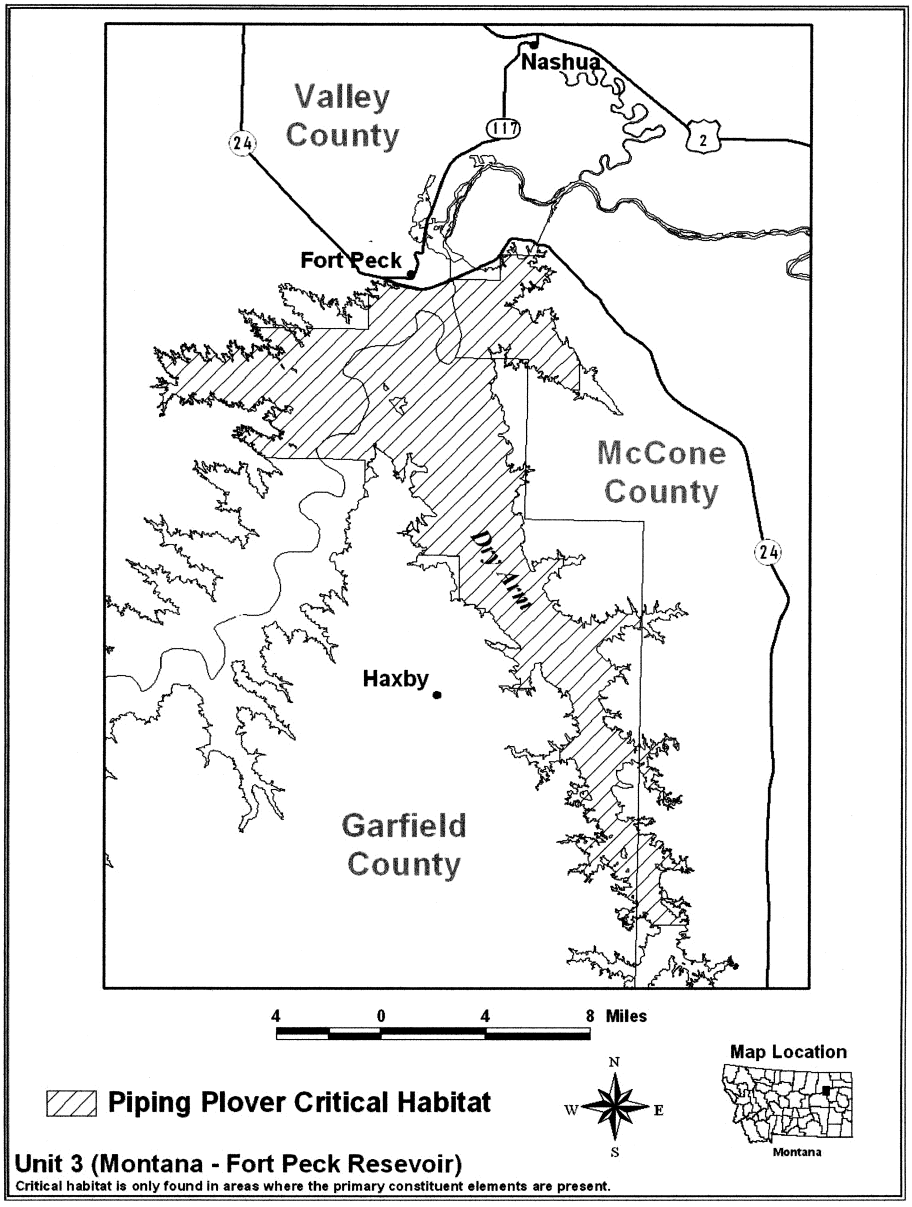
T. 26 N., R. 58 E., Sec. 1–6, T. 26 N., R. 59 E., Sec. 3–6, 9, 10, 13–16, 22–24; T. 27 N., R. 47 E., Sec. 21–24, 27–28, 33–34; T. 27 N., R. 48 E., Sec. 13–16, 19–22, 28–29, T. 27 N., R. 49 E., Sec. 13–18, 24; T. 27 N., R. 50 E., Sec. 14–21, 23–26; T. 27 N., R. 51 E., Sec. 7–8, 17–27, 30; T. 27 N., R. 52 E., Sec. 10–16, 19, 21–23, 27–32; T. 27 N., R. 53 E., Sec. 1–3, Sec. 6–7, 18; T. 27 N., R. 54 E., Sec. 1–6, 9–12; T. 27 N., R. 55 E., Sec. 1–5, 7–11; T. 27 N., R. 56 E., Sec. 2–6, 8–9, 11, 13–14, 24; T. 27 N., R. 57 E., Sec. 18–21, 27–28, 33–36; T. 27 N., R. 58 E., Sec. 23, 25–27, 31–32, 34–36; T. 27 N., R. 59 E., Sec. 29–32; T. 28 N., R. 53 E., Sec. 27–31, 33–34; T. 28 N., R. 54 E., Sec. 31–33; T. 28 N., R. 55 E., Sec. 33–35.



Unit MT–3, Fort Peck Reservoir—This unit encompasses approximately 77,370 acres (31,311 ha) of Fort Peck Reservoir, located entirely within the Charles M. Russell National Wildlife Refuge in Garfield, McCone, and Valley Counties. This unit consists of the following TRS:

T. 22 N., R.42E., Sec. 1–3, 10–15, 24; T. 22 N., R. 43 E., Sec. 6–8, 18–20; T. 23 N., R. 42 E., Sec. 10–15; T. 23 N., R. 42 E., Sec. 22–27, 34–36; T. 23 N., R. 43 E., Sec. 18–19, 30–31; T. 24 N., R. 41 E., Sec. 1–3, 10–13, 24; T. 24 N., R. 42 E., Sec. 5–8, 16–21, 25–36; T. 25 N., R. 39 E., Sec. 1–2, 11–12; T. 25 N., R. 40 E., Sec. 1–17, 20–24; T. 25 N.,

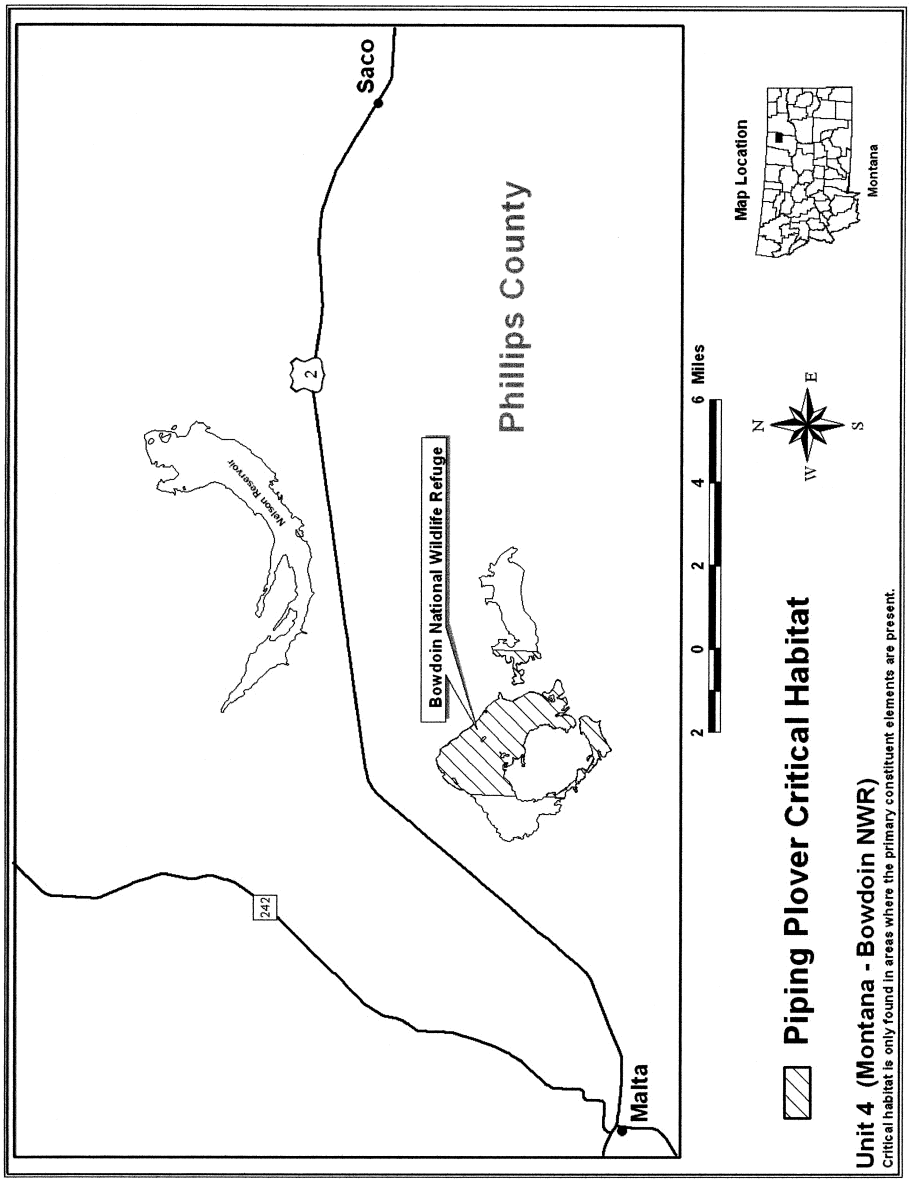
R. 41 E., Sec. 1–36; T. 25 N., R. 42 E., Sec. 5–6; T. 26 N., R. 39 E., Sec. 35–36; T. 26 N., R. 40 E., Sec. 31–36; T. 26 N., R. 41 E., Sec. 13–17, 19–36; T. 26 N., R. 42 E., Sec. 17–19, 29–32.



Unit MT–4: Bowdoin NWR.

This unit is located on Bowdoin National Wildlife Refuge in Phillips County and includes sparsely vegetated shoreline beaches, peninsulas, and islands composed of sand, gravel, or shale that interface with these water bodies in the following TRS:

Bowdoin NWR: T. 30 N., R. 31 E., Sec. 1–2, 4, 9–11; T. 31 N., R. 31 E., Sec. 21–22, 25–28, 33–36.



NEBRASKA

Projection: UTM Zone 14, NAD83.

Unit NE–1: Platte, Loup, and Niobrara Rivers.

a. Platte River[1] Begins at the Lexington bridge over the main channel in Dawson County and extends downstream to its confluence with the Missouri River in Sarpy County and includes area within the river banks in the following Townships, Ranges, and Sections:

T. 08 N., R. 13 W., Sec. 4–7; T. 08 N., R. 14 W., Sec. 9–12, 15–18; T. 08 N., R. 15 W., Sec. 13–21; T. 08 N., R. 16 W., Sec. 7,8, 13–18, 23, 24; T. 08 N., R. 17 W., Sec. 7,8,10–18; T. 08 N., R. 18 W., Sec. 2–12; T. 08 N., R. 19 W., Sec. 1–12; T. 08 N., R. 20 W., Sec. 1–12; T. 08 N., R. 21 W., Sec. 1,2, 12; T. 09 N., R. 10 W., Sec. 3–7; T. 09 N., R. 11 W., Sec. 1, 11, 12, 14–19; T. 09 N., R. 12 W., Sec. 13, 22–24; 26–31; T. 09 N., R. 13 W., Sec. 25–27, 31, 33–36; T. 09 N., R. 21 W., Sec. 20, 21, 27–29, 34–36; T. 10 N., R. 08 W., Sec. 6; T. 10 N., R. 09 W., Sec. 1, 11, 12, 14, 15, 21, 22, 28, 29; T. 10 N., R. 10 W., Sec. 25, 33, 34, 35, 36; T. 11 N., R. 07 W., Sec. 6; T. 11 N., R. 08 W., Sec. 1, 2, 10, 11, 15, 16, 20, 21, 29 30, 31; T. 11 N., R. 09 W., Sec.36; T. 12 N., R. 06 W., Sec. 6; T. 12 N., R. 07 W., Sec. 1, 2, 10–12, 14–16, 20–22, 29–31; T. 12 N., R. 08 W., Sec. 36; T. 13 N., R. 05 W., Sec. 5–7; T. 13 N., R. 06 W., Sec. 12–15, 21–23, 28, 29, 31, 32; T. 14 N., R. 04 W., Sec. 4, 5, 7–9, 18; T. 14 N., R. 05 W., Sec. 13, 14, 22, 23, 24, 27, 28, 32, 33; T. 14 N., R. 39 W., Sec. 2–5, 11; T. 15 N., R. 03 W., Sec. 3–5, 7–9, 17–19; T. 15 N., R. 04 W., Sec. 12–14, 23, 24, 26, 27, 33, 34; T. 15 N., R. 38 W., Sec. 19, 20, 21, 28–30, 33; T. 15 N., R. 39 W., Sec. 24, 25, 30, 31, 32, 33, 34; T. 15 N., R. 40 W., Sec. 10, 23, 24, 25, 26, 36; T. 16 N., R. 01 W., Sec. 1–4, 7–10, 17, 18; T. 16 N., R. 02 W., Sec. 10–16, 19–21 29, 30; T. 16 N., R. 03 W., Sec. 25, 26, 33–36; T. 17 N., R. 01 W., Sec. 36; T. 12 N., R. 10 E., Sec. 3–5, 9–13, 24; T. 12 N., R. 11 E., Sec. 1, 11, 12, 14–16, 18–21; T. 12 N., R. 12 E., Sec. 06; T. 13 N., R. 10 E., Sec. 4, 5, 7–9, 17–19, 29, 30, 32, 33; T. 13 N., R. 12 E., Sec. 25–28, 31–34, 36; T. 13 N., R. 13 E., Sec. 25, 26, 30–36; T. 14 N., R. 09 E., Sec. 1,12; T. 14 N., R. 10 E., Sec. 6–8, 17, 18, 20, 29, 32; T. 15 N., R. 09 E., Sec. 1–3, 11–13, 24, 25, 36; T. 15 N., R. 10 E., Sec. 19; T. 16 N., R. 01 E., Sec. 1, 2,4–6, 12; T. 16 N., R. 02 E., Sec. 1–12; T. 16 N., R. 03 E., Sec. 4–6; T. 16 N., R. 08 E., Sec. 1, 2, 12; T. 16 N., R. 09 E., Sec. 6–9, 16, 17, 21, 22, 27, 28, 33, 34; T. 17 N., R. 01 E., Sec. 31, 32, 33, 34, 35, 36, T. 17 N., R. 03 E., Sec. 25, 26, 27, 31, 32, 33, 34; T. 17 N., R. 04 E., Sec. 9–12, 14–17, 20, 21, 29, 30; T. 17 N., R. 05 E., Sec. 7–10, 13–15; T. 17 N., R. 06 E., Sec. 7–9, 14–18, 22–24; T. 17 N., R. 07 E., Sec. 13–24; T. 17 N., R. 08 E., Sec. 20, 21, 27–29, 34–36.

b. Loup River[2] Entire river beginning at the confluence of the North and Middle Loup Rivers to form the Loup River in Howard County, to its confluence with the Platte River in Platte County and includes area within the river banks in the following Townships, Ranges, and Sections:

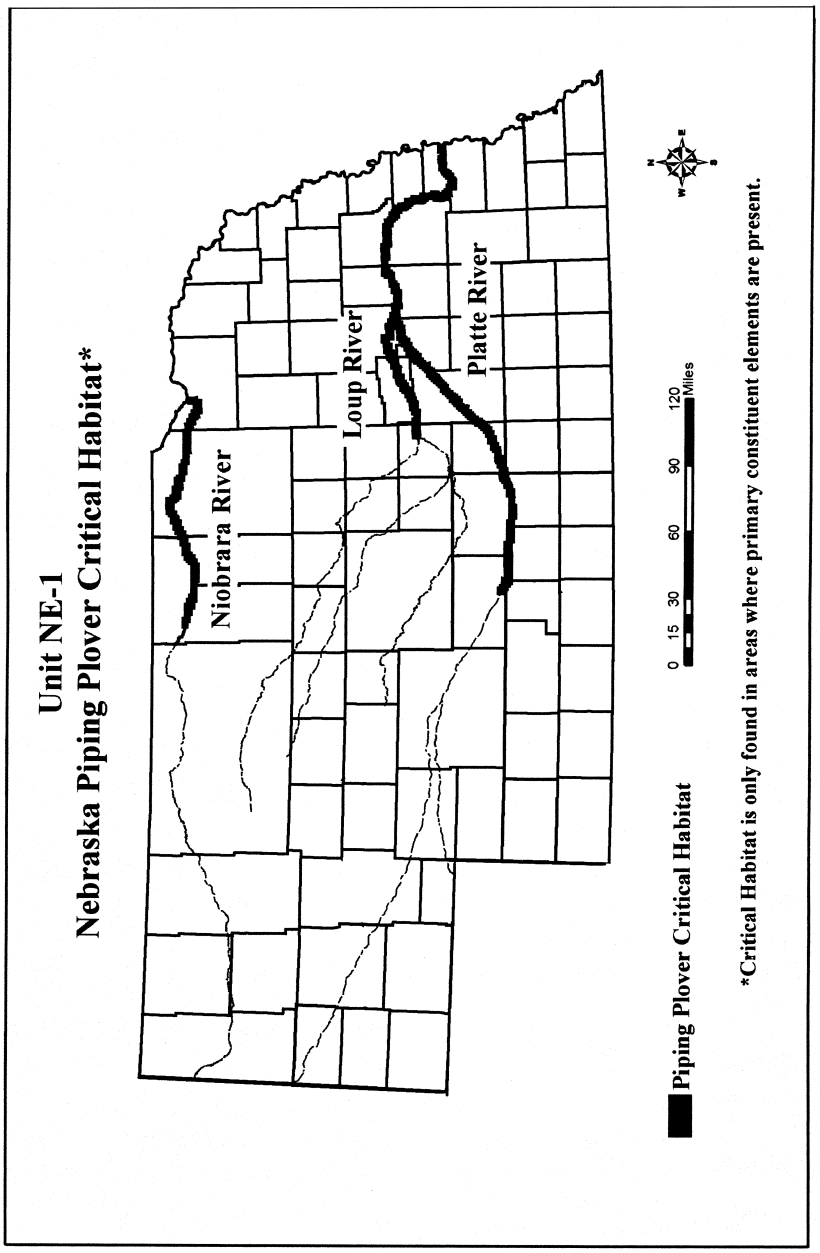
T. 15 N., R. 06 W., Sec. 06; T. 15 N., R. 07 W., Sec. 1–5, 7–10; T. 15 N., R. 08 W., Sec. 07, 8, 12–18; T. 15 N., R. 09 W., Sec. 7–18; T. 16 N., R. 04 W., Sec. 5, 6; T. 16 N., R. 05 W., Sec. 1–5, 7–10, 18; T. 16 N., R. 06 W., Sec. 13; 14, 22–24, 27–29, 31, 32; T. 16 N., R. 07 W., Sec. 36; T. 17 N., R. 01 W., Sec. 16, 17,.18, 21–23, 25, 26; T. 17 N., R. 02 W., Sec. 3, 4, 7–10, 13–15, 22–24; T. 17 N., R. 03 W., Sec. 10–21, 30; T. 17 N., R. 04 W., Sec. 24–28, 32–35; T. 17 N., R. 05 W., Sec. 35, 36; T. 17 N., R. 01 E., Sec. 29, 30, 32, 33.

c. Niobrara River: Begins at the bridge south of Norden in Keya Paha County and extends downstream to its confluence with the Missouri River in Knox County and includes area within the river banks in the following Townships, Ranges, and Sections:

T. 31 N., R. 06 W., Sec. 6; T. 31 N., R. 07 W., Sec. 01–4; T. 32 N., R. 06 W., Sec. 17–20, 29–31; T. 32 N., R. 07 W., Sec. 29–34, 36; T. 32 N., R. 08 W., Sec. 7, 8, 15–17, 22–25; T. 32 N., R. 09 W., Sec. 2–6, 8–12; T. 32 N., R. 10 W., Sec. 1–6, 9–12; T. 32 N., R. 11 W., Sec. 1–3; T. 32 N., R. 17 W., Sec. 5, 6; T. 32 N., R. 18 W., Sec. 1–4, 8–10, 16–19; T. 32 N., R. 19 W., Sec. 19, 20, 22–24, 26–30; T. 32 N., R. 20 W., Sec. 19–26; T. 32 N., R. 21 W., Sec. 7, 16, 17, 18, 20–24; T. 32 N., R. 22 W., Sec. 2–6, 8–14; T. 32 N., R. 23 W., Sec. 1, 2; T. 33 N., R. 11 W., Sec. 29, 30, 32–34; T. 33 N., R. 12 W., Sec. 17–21, 25–28, 36; T. 33 N., R. 13 W., Sec. 7–10, 14–18, 23, 24; T. 33 N., R. 14 W., Sec. 1, 12; T. 33 N., R. 15 W., Sec. 2–5, 7–9, 18; T. 33 N., R. 16 W., Sec. 11–16, 19–22, 29, 30; T. 33 N., R. 17 W., Sec. 25–27, 31, 33, 34; T. 33 N., R. 17 W., Sec. 35, 36; T. 33 N., R. 18 W., Sec. 36; T. 33 N., R. 23 W., Sec. 33, 34, 35; T. 34 N., R. 14 W., Sec. 26–31, 34, 35; T. 34 N., R. 15 W., Sec. 25, 35, 36.

[1] Sections T. 17 N., R. 01 E., sec. 32 and T. 17 N., R. 01 E., sec. 33 are designated CH for both Platte and Loup Rivers.

[2] See footnote 1.



NORTH DAKOTA

Projection: UTM Zone 14, NAD27, Clarke 1866, Meters.

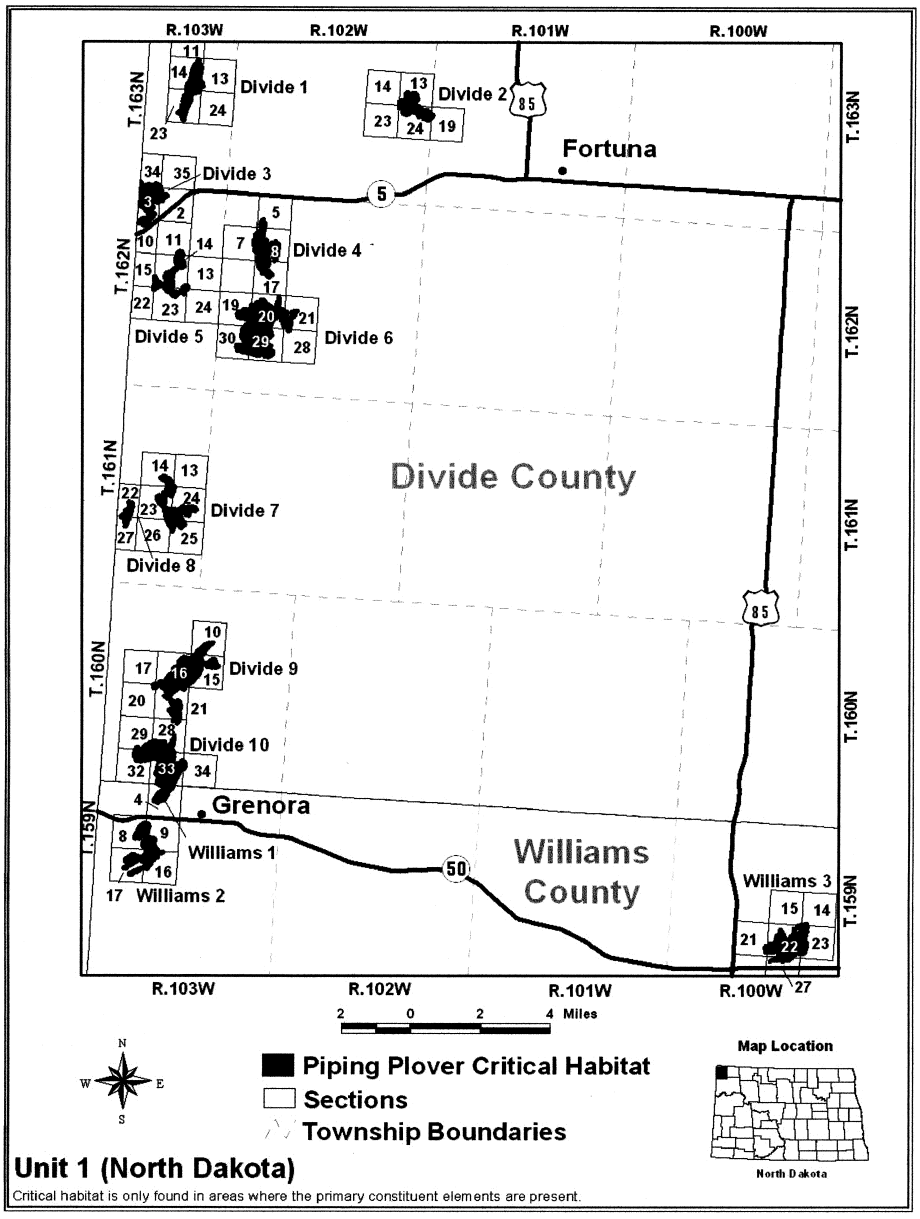
Unit ND–1: Divide 1–10, Williams 1–3.

This unit consists of 13 alkali lakes and wetlands (as defined in item 2 i–iv above) located in Divide and Williams Counties in the following Township, Range, and Section(s).

The description that follows includes site map number; common name in parenthesis; Township, Range, and Section(s); and UTM coordinate (X,Y) of the center point:

Divide 1 (McCone Lake); T. 163 N., R. 103 W., Sec. 11, 13, 14, 23, 24; 132483.986, 5432552.457; Divide 2 (Radar WPA); T. 163 N., R. 101 W., Sec. 19, T. 163 N., R. 102 W., Sec. 13, 14, 23, 24; 143450.351, 5431765.782; Divide 3 (Westby Lake); T. 162 N., R. 103 W., Sec. 2, 3, 10, T. 163 N., R. 103 W., Sec. 34, 35; 130664.334, 5426964.175; Divide 4 (North Lake); T. 162 N., R. 102 W., Sec. 5, 7, 8, 17; 136194.956, 5424819.822; Divide 5 (No-Name 01); T. 162 N., R. 103 W., Sec. 11, 13–15, 22–24; 131550.101, 5423562.595; Divide 6 (Miller Lake) T. 162 N., R. 102 W., Sec. 19–21, 28–30; 136221.252, 5420997.659; Divide 7 (Daneville Lake); T. 161 N., R. 103 W., Sec. 13, 14, 23–26; 131145.927, 5412367.023; Divide 8 (Johnson WPA); T. 161 N., R. 103 W., Sec. 22, 27; 129454.347, 5411841.319; Divide 9 (Camp Lake); T. 160 N., R. 103 W., Sec. 10, 15–17, 20, 21, 28; 132345.880, 5403610.519; Divide 10 (Africa Lake); T. 160 N., R. 103 W., Sec. 28, 29, 32–34; 131067.961, 5399853.506; Williams 1 (Africa Lake); T. 159 N., R. 103 W., Sec. 4; 131252.336, 5398158.780; Williams 2 (Twin Lake); T. 159 N., R. 103 W., Sec. 8, 9, 16, 17; 130274.523, 5395507.964; Williams 3 (Appam Lake); T. 159 N., R. 100 W., Sec. 14, 15, 21–23, 27; 161534.618, 5390959.346.

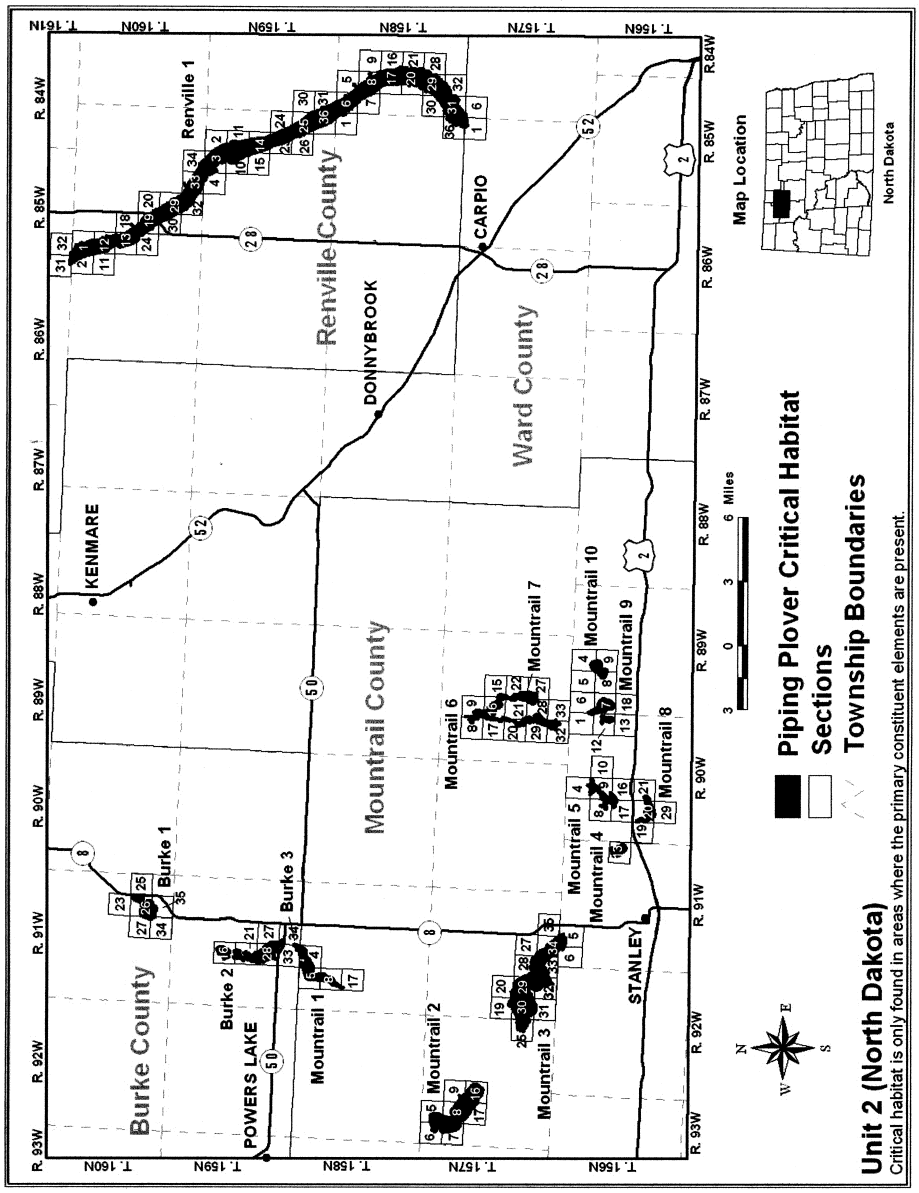
Unit ND–2: Burke 1–3, Mountrail 1–10, Renville 1.



Unit ND–2: Burke 1–2, Mountrail 1–10, Renville 1.

This unit consists of 14 alkali lakes and wetlands (as defined in item 2 i–iv above) located in Burke, Renville, and Mountrail Counties in the following Township, Range, and Section(s). The description that follows includes site map number; common name in parenthesis; Township, Range, and Section(s); and UTM coordinate (X,Y) of the center point:

Burke 1 (Thompson Lake); T. 160 N., R. 91 W., Sec. 23, 25–27, 34, 35; 249736.234, 5394198.422; Burke 2 (Knudson Slough); T. 159 N., R. 91 W., Sec. 16, 21, 27, 28, 33, 34; 245951.025, 5385634.794; Burke 3 (Salt Wetland); T. 159 N., R. 91 W., Sec. 33,34, T. 158 N., R. 91 W., Sec. 4; 246764.949, 5382725.766; Mountrail 1 (Lower Lostwood Lake); T. 158 N., R. 91 W., Sec. 4, 5, 8, 17, T. 159 N., R. 91 W., Sec. 33; 244500.547, 5380906.195; Mountrail 2 (Cottonwood Lake); T. 157 N., R. 92 W., Sec. 5–9, 16, 17; 234663.178, 5370756.188; Mountrail 3 (White Lake); T. 156 N., R. 91 W., Sec. 5, 6, T. 157 N., R. 91 W., Sec. 19, 20, 27–35, T. 157 N., R. 92 W., Sec. 25; 244128.820, 5364745.652; Mountrail 4 (BLM 01); T. 156 N., R. 91 W., Sec. 13; 254103.216, 5358673.926; Mountrail 5 (Halvorson WPA); T. 156 N., R. 90 W., Sec. 4, 8–10, 16, 17; 2588354.936, 5359918.409; Mountrail 6 (Redmond Lake); T. 157 N., R. 89 W., Sec. 8, 9, 16, 17, 20, 21, 28, 29, 32, 33; 263839.454, 5366646.371; Mountrail 7 (Redmond Lake Southeast); T. 157 N., R. 89 W., Sec. 15, 16, 21, 22, 27, 28; 265502.148, 5366251.040; Mountrail 8 (Palermo SW); T. 156 N., R. 90 W., Sec. 19–21, 29; 257212.039, 5356658.356; Mountrail 9 (Piping Plover WPA); T. 156 N., R. 89 W., Sec. 6, 7, 18, T. 156 N., R. 90 W., Sec. 1, 12, 13; 264548.981, 5359978.921; Mountrail 10 (USA 01); T. 156 N., R. 89 W., Sec. 4, 5, 8, 9; 267688.206, 5360; Renville 1 T. 157 N., R. 84 W., Sec. 6, T. 157 N., R. 85 W., Sec. 1, T. 158 N., R. 84 W., Sec. 5–9, 16, 17, 20, 21, 28–32, T. 158 N., R. 85 W., Sec. 1, 36, T. 159 N., R. 84 W., Sec. 30, 31, T. 159 N., R. 85 W., Sec. 2–4, 10, 11, 14, 15, 24–26, 36, T. 160 N., R. 85 W., Sec. 18–20, 29, 30, 32, 33, 34, T. 160 N., R. 86 W., Sec. 1, 2, 11–13, 24, T. 161 N., R. 85 W., Sec. 31, 32; 307279.646, 5385022.925;

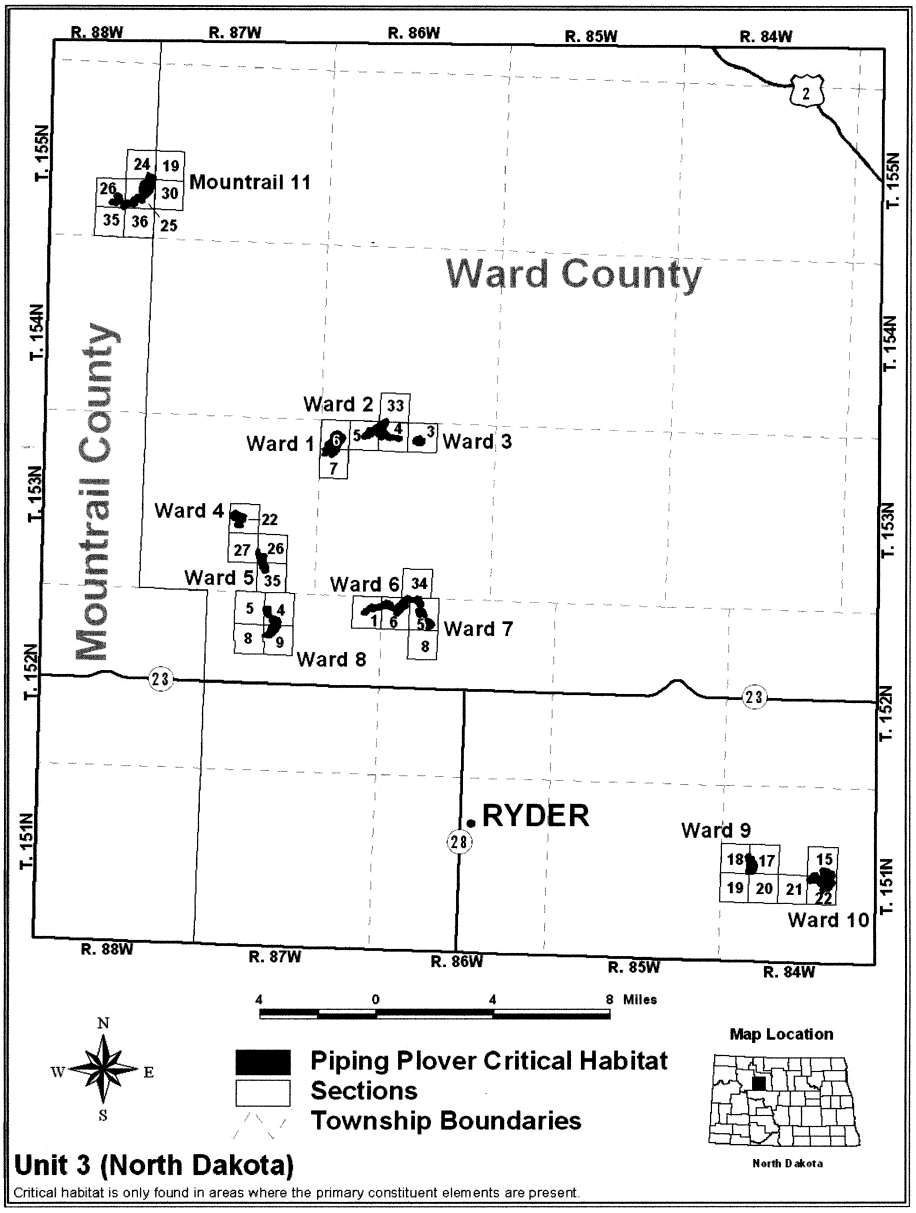


Unit ND–3: Mountrail 11, Ward 1–10.

This unit consists of 11 alkali lakes and wetlands (as defined in item 2 i-iv above) located in Mountrail and Ward Counties in the following Township, Range, and Section(s). The description that follows includes site map number; common name in parenthesis; Township, Range, and Section(s); and UTM coordinate (X, Y) of the center point:

Mountrail 11 (USA 03); T. 155 N., R. 87 W., Sec. 19, 30, T. 155 N., R. 88 W., Sec. 24–26, 35, 36; 282515.422, 5344702.765; Ward 1 (Wheeler Lake); T. 153 N., R. 86 W., Sec. 6, 7; 292853.430, 5330725.995; Ward 2 (Schaefer Lake); T. 153 N.,

R. 86 W., Sec. 4, 5, T. 154 N., R. 86 W., Sec. 33; 295503.020, 5331528.170; Ward 3 (Simonson Lake); T. 153 N., R. 86 W., Sec. 3; 297540.190, 5330903.772; Ward 4 (Weltikot WPA); T. 153 N., R. 87 W., Sec. 22; 287595.875, 5326568.445; Ward 5 (Galusha WPA); T. 153 N., R. 87 W., Sec. 26, 27, 35; 288918.535, 5324257.230; Ward 6 (LGFR); T. 152 N., R. 86 W., Sec. 5, 6, T. 152 N., R. 87 W., Sec. 1, T. 153 N., R. 86 W., Sec. 34; 296191.685, 5321732.495; Ward 7 (Roberts Lake); T. 152 N., R. 86 W., Sec. 5, 8; 298162.740, 5320754.445; Ward 8 (Orlein WPA); T. 152 N., R. 87 W., Sec. 4, 5, 8, 9; 289443.885, 5320877.280; Ward 9 (Foss Lake); T. 151 N., R. 84 W., Sec. 17–20; 315877.075, 5307516.530; Ward 10 (Danielson WPA); T. 151 N., R. 84 W., Sec. 15, 21, 22; 319713.809, 5306604.459.

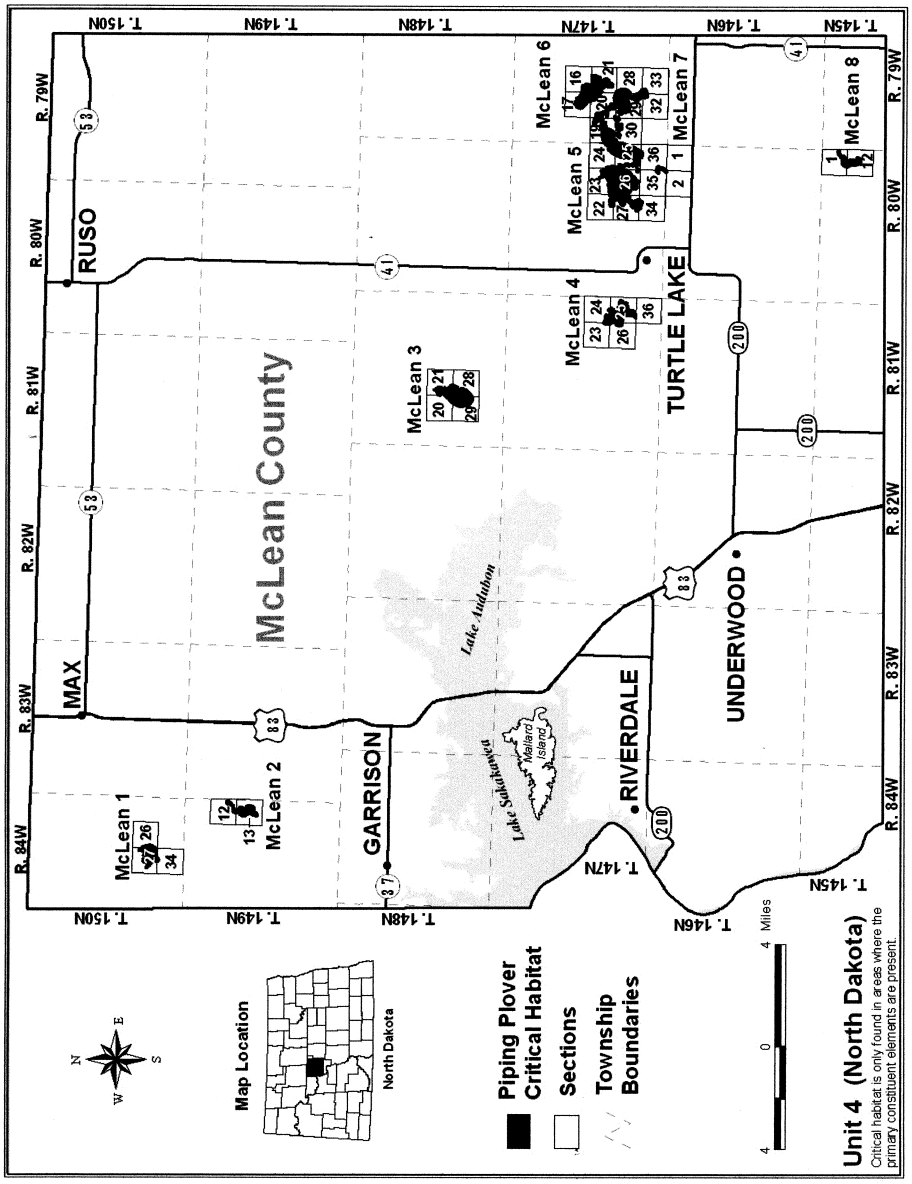


Unit ND–4: McLean 1–8.

This unit consists of eight alkali lakes and wetlands (as defined in item 2 i-iv above) located in McLean County in the following Township, Range, and Section(s). The description that follows includes site map number; common name in parenthesis; Township, Range, and Section(s); and UTM coordinate (X, Y) of the center point:

McLean 1 (Crystal Lake); T. 150 N., R. 84 W., Sec. 26, 27, 34; 319688.770, 5294525.701; McLean 2 (Engel Lake); T. 149 N., R. 84 W.,

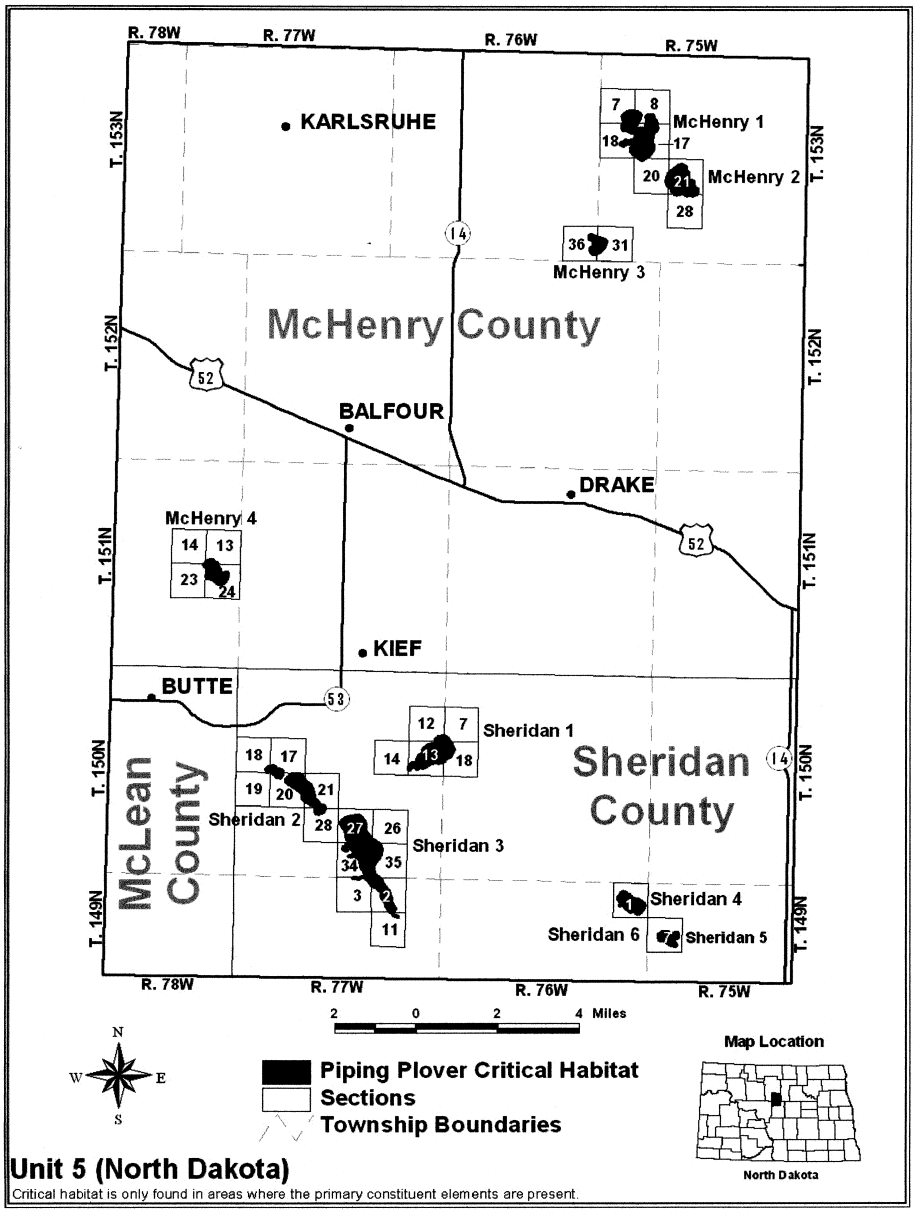
Sec. 12, 13; 322716.750, 5288701.540; McLean 3 (Lake Nettie); T. 148 N., R. 81 W., Sec. 20, 21, 28, 29; 348624.522, 5275584.490; McLean 4 (Cherry Lake); T. 147 N., R. 81 W., Sec. 23–26, 36; 353837.658, 5265184.800; McLean 5 (Lake Williams); T. 147 N., R. 79 W., Sec. 19–21, 28–30, 32, 33, T. 147 N., R. 80 W., Sec. 22–27, 34, 36; 364083.475, 5265192.285; McLean 6 (Blue Lake); T. 147 N., R. 79 W., Sec. 16, 17, 20, 21; 367727.830, 5266869.230; McLean 7 (Tractor Lake); T. 146 N., R. 80 W., Sec. 1, 2, 35, 36; 362857.085, 5262620.315; McLean 8 (Koeing WDA); T. 145 N., R. 80 W., Sec. 1, 12; 363258.729, 5250887.545.



Unit ND–5: McHenry 1–4, Sheridan 1–6.

This unit consists of 10 alkali lakes and wetlands (as defined in item 2 i-iv above) located in McHenry and Sheridan Counties in the following Township, Range, and Section(s). The description that follows includes site map number; common name in parenthesis; Township, Range, and Section(s); and UTM coordinate (X, Y) of the center point:

McHenry 1 (Lake Lemer); T. 153 N., R. 75 W., Sec. 7, 8, 17, 18, 20; 400056.197, 5325316.812; McHenry 2 (Bromley Lake); T. 153 N., R. 75 W., Sec. 20, 21, 28; 402047.786, 5323231.640; McHenry 3 (Crooked Lake); T. 153 N., R. 75 W., Sec. 31, T. 153 N., R. 76 W., Sec. 36; 398136.708, 5320218.780; McHenry 4 (Spiche WPA); T. 151 N., R. 78 W., Sec. 13, 14, 23, 24; 380388.750, 5304863.342; Sheridan 1 (Kandt Lake); T. 150 N., R. 76 W., Sec. 7, 18, T. 150 N., R. 77 W., Sec. 12–14; 390437.732, 5296427.775; Sheridan 2 (Moesner Lake); T. 150 N., R. 77 W., Sec. 17–21, 28; 384577.857, 5294515.153; Sheridan 3 (Krueger Lake); T. 149 N., R. 77 W., Sec. 2, 3, 11, T. 150 N., R. 77 W., Sec. 26, 27, 34, 35; 387560.771, 5291126.275; Sheridan 4 (New Lake); T. 149 N., R. 76 W., Sec. 1; 399759.605, 5289417.669; Sheridan 5 (Plover Pond); T. 149 N., R. 75 W., Sec. 7; 401849.925, 5287906.865; Sheridan 6 (Gadwall Lake); T. 149 N., R. 75 W., Sec. 7; 401439.445, 5287735.436.

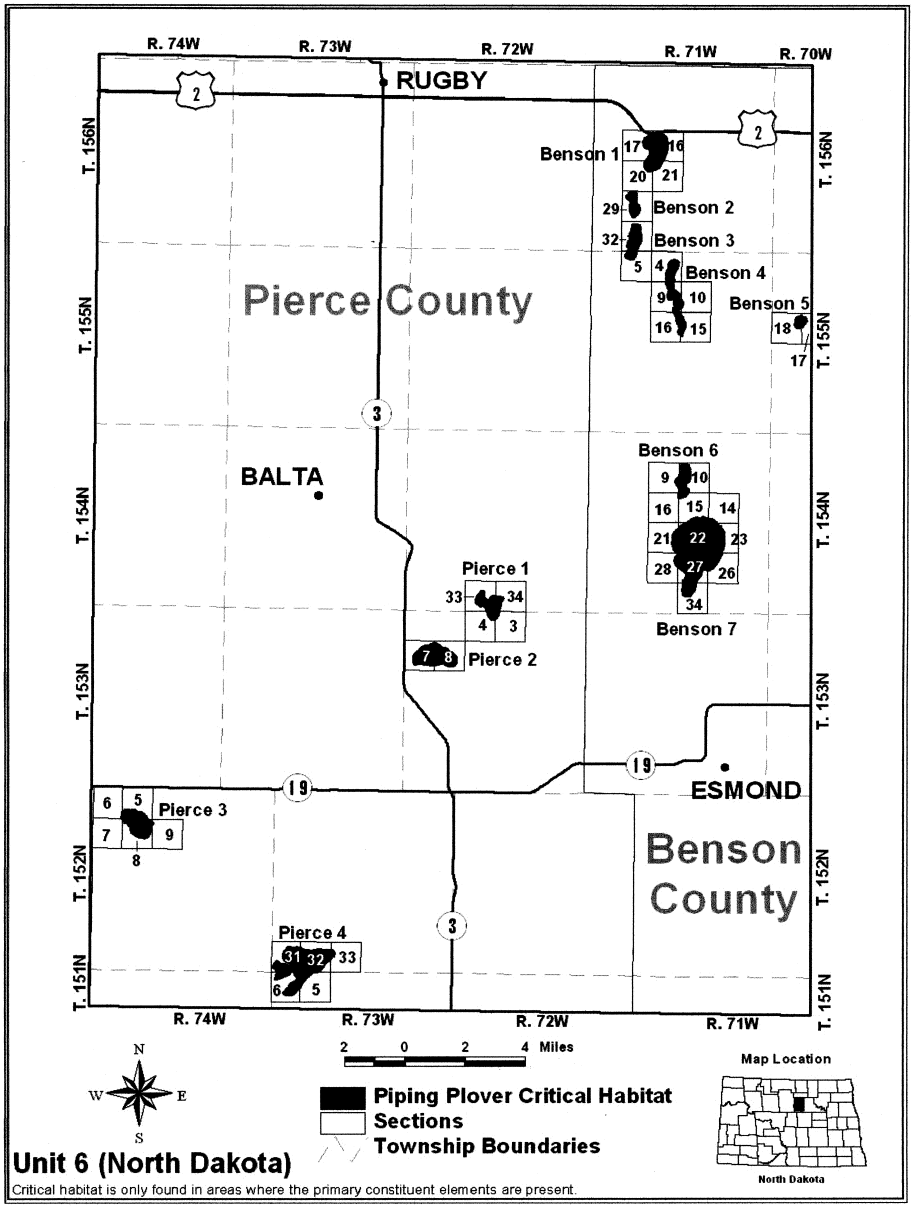


Unit ND–6: Benson 1–7, Pierce 1–4.

This unit consists of 11 alkali lakes and wetlands (as defined in item 2 i–iv above) located in Benson and Pierce Counties in the following Township, Range, and Section(s). The description that follows includes site map number; common name in parenthesis; Township, Range, and Section(s); and UTM coordinate (X, Y) of the center point:

Benson 1 (Horseshoe Lake); T. 156 N., R. 71 W., Sec. 16, 17, 20, 21; 440518.660, 5353030.147; Benson 2 (Shively WPA); T. 156 N., R. 71 W.,

Sec. 20, 29; 439353.229, 5350282.062; Benson 3 (Pfeifer Lake); T. 155 N., R. 71 W., Sec. 5, T. 156 N., R. 71 W., Sec. 32; 439370.542, 5348281.846; Benson 4 (Long Lake WPA) T. 155 N., R. 71 W., Sec. 4, 9, 10, 15, 16; 441621.551, 5345274.731; Benson 5 (Volk WPA West); T. 155 N., R. 70 W., Sec. 17, 18; 448265.688, 5344009.988; Benson 6 (Simon WPA); T. 154 N., R. 71 W., Sec. 9, 10, 15, 16; 442022.195, 5335513.405; Benson 7 (Cranberry Lake); T. 154 N., R. 71 W., Sec. 14, 15, 21–23, 26–28, 34; 442842.177, 5331453.343; Pierce 1 (Sandhill Crane WPA); T. 153 N., R. 72 W., Sec. 3, 4, T. 154 N., R. 72 W., Sec. 33, 34; 431750.466, 5328861.394; Pierce 2 (Petrified Lake); T. 153 N., R. 72 W., Sec. 7, 8; 428853.027, 5326213.903; Pierce 3 (Orrin Lake); T. 152 N., R. 74 W., Sec. 5–9; 413060.595, 5317206.795; Pierce 4 (Little Antelope Lake); T. 151 N., R. 73 W., Sec. 5, 6, T. 152 N., R. 73 W., Sec. 31–33; 421895.100, 5309374.573.

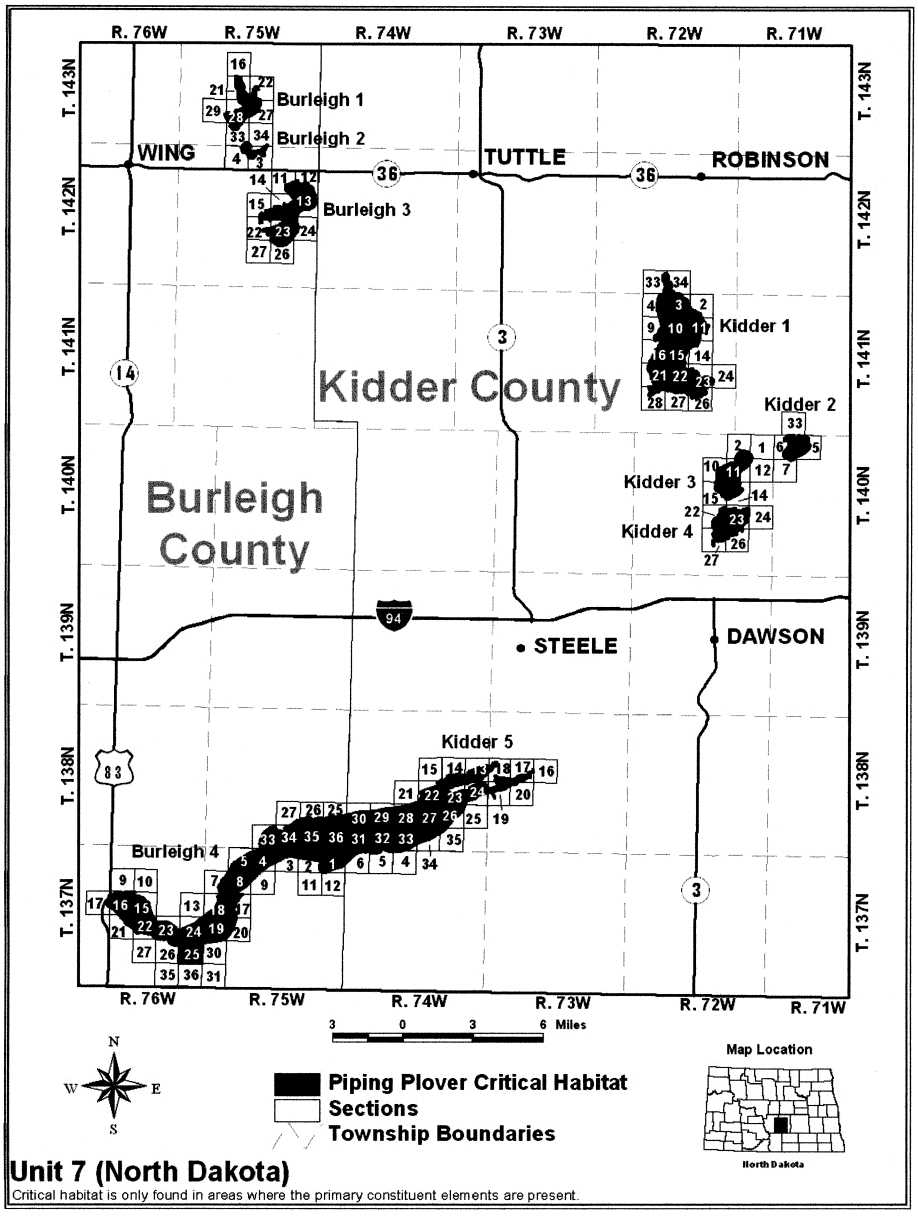


Unit ND–7: Burleigh 1–4, Kidder 1–5.

This unit consists of nine alkali lakes and wetlands (as defined in item 2 i–iv above) located in Burleigh and Kidder Counties in the following Township, Range, and Section(s). The description that follows includes site map number; common name in parenthesis; Township, Range, and Section(s); and UTM coordinate (X, Y) of the center point:

Burleigh 1 (Rath WPA); T. 143 N., R. 75 W., Sec. 16, 21, 22, 27–29, 33; 410335.925, 522591.163; Burleigh 2 (Rachel Hoff); T. 142 N., R. 75 W.,

Sec. 3, 4, T. 143 N., R. 75 W., Sec. 33, 34; 411135.195, 5222640.220; Burleigh 3 (Lake Arena); T. 142 N., R. 75 W., Sec. 11–15, 22–24, 26, 27; 413457.835, 5218315.984; Burleigh 4 (Long Lake NWR); T. 137 N., R. 75 W., Sec. 1–12, 17–20, 30, 31, T. 138 N., R. 75 W., Sec. 25–27, 33–36, T. 137 N., R. 76 W., Sec. 9, 10, 13, 15–17, 21–27, 35, 36; 409304.489, 5171717.886; Kidder 1 (Horsehead Lake); T. 141 N., R. 72 W., Sec. 2–4, 9–11, 14–16, 21–24, 26–28, T. 142 N., R. 72 W., Sec. 33, 34; 440436.505, 5209889.760; Kidder 2 (Spring Lake); T. 140 N., R. 71 W., Sec. 5–7, T. 141 N., R. 71 W., Sec. 33; 448424.870, 5202157.335; Kidder 3 (Sibley Lake); T. 140 N., R. 72 W., Sec. 1, 2, 10–12, 14, 15; 444092.995, 5200289.957; Kidder 4 (Big Muddy Lake); T. 140 N., R. 72 W., Sec. 22–24, 26, 27; 443892.205, 5196747.645; Kidder 5 (Long Lake NWR); T. 137 N., R. 74 W., Sec. 4–6, T. 138 N., R. 73 W., Sec. 16–20, T. 138 N., R. 74 W., Sec. 13–15,21–35; 423970.257, 5176976.647.

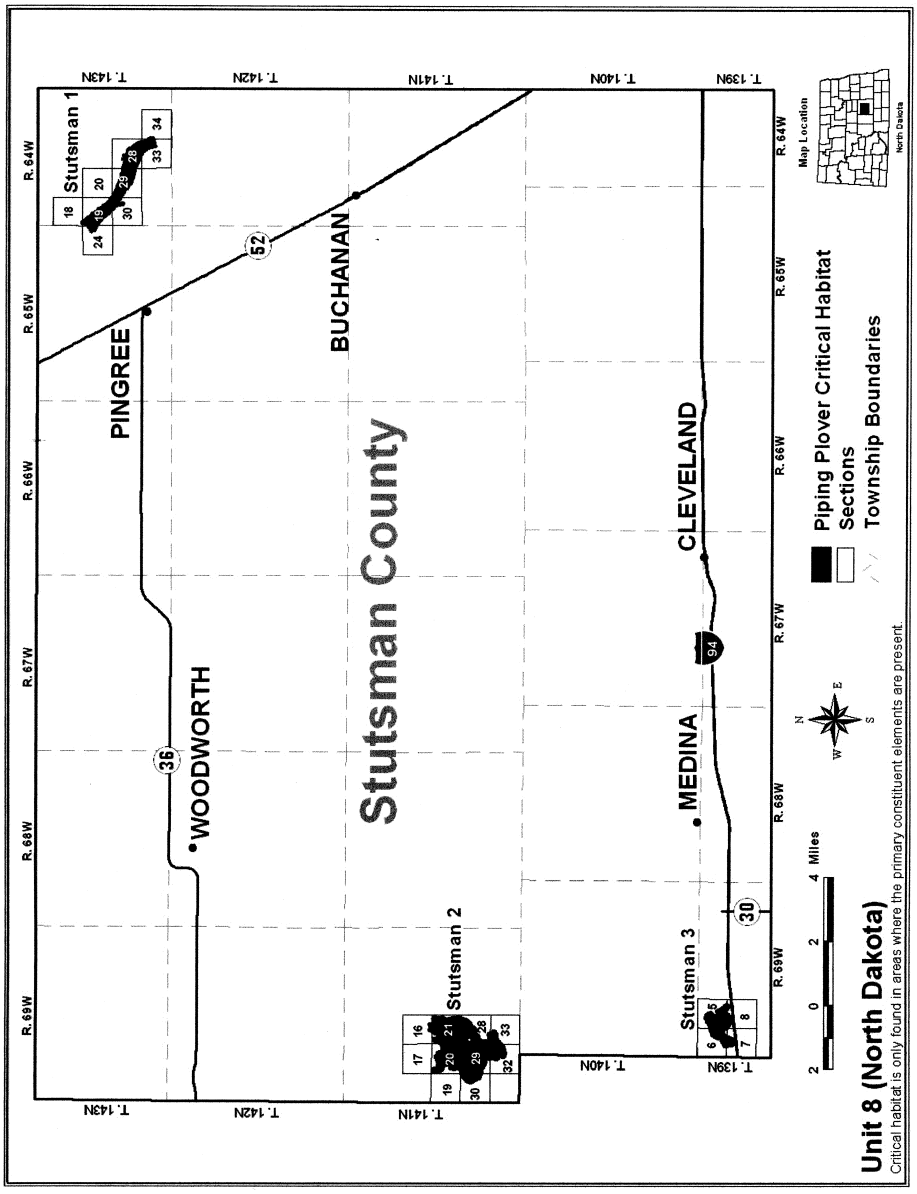


Unit ND–8: Stutsman 1–3.

This unit consists of three alkali lakes and wetlands (as defined in item 2 i–iv above) located in Stutsman County in the following Township, Range, and Section(s). The description that follows includes site map number; common name in parenthesis; Township, Range, and Section(s); and UTM coordinate (X, Y) of the center point:

Stutsman 1 (Jim Lake); T. 143 N., R. 64 W., Sec. 18–20, 28–30, 33, 34, T. 143 N., R. 65 W., Sec. 24; 513814.853, 5224895.395; Stutsman 2

(Chase Lake); T. 141 N., R. 69 W., Sec. 16, 17, 19–21, 28–30, 32, 33; 466386.425, 5205713.905; Stutsman 3 (Stink Lake 01); T. 139 N., R. 69 W., Sec. 5–8; 467714.455, 5191874.900.

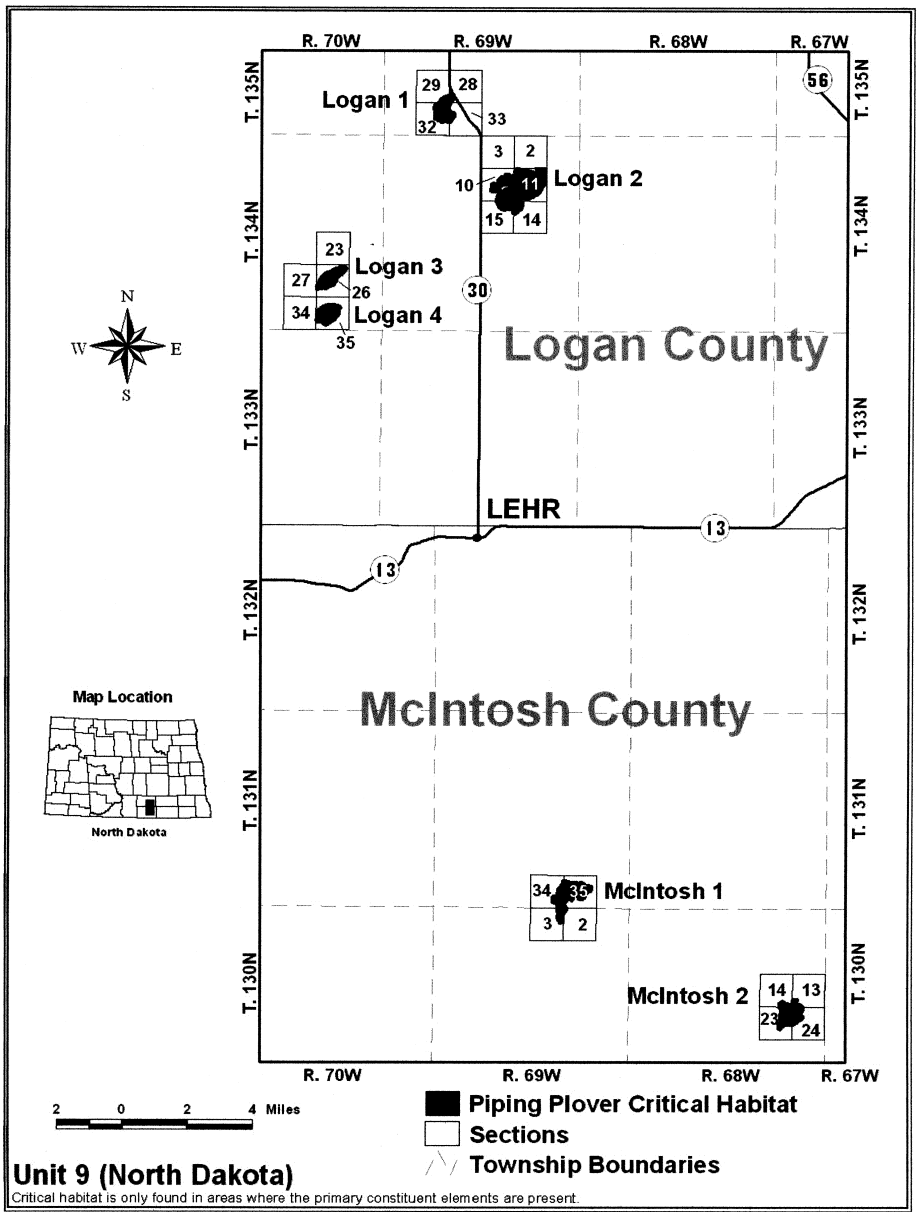


Unit ND–9: Logan 1–4, McIntosh 1–2.

This unit consists of six alkali lakes and wetlands (as defined in item 2 i–iv above) located in Logan and McIntosh Counties in the following Township, Range, and Section(s). The description that follows includes site

map number; common name in parenthesis; Township, Range, and Section(s); and UTM coordinate (X, Y) of the center point:

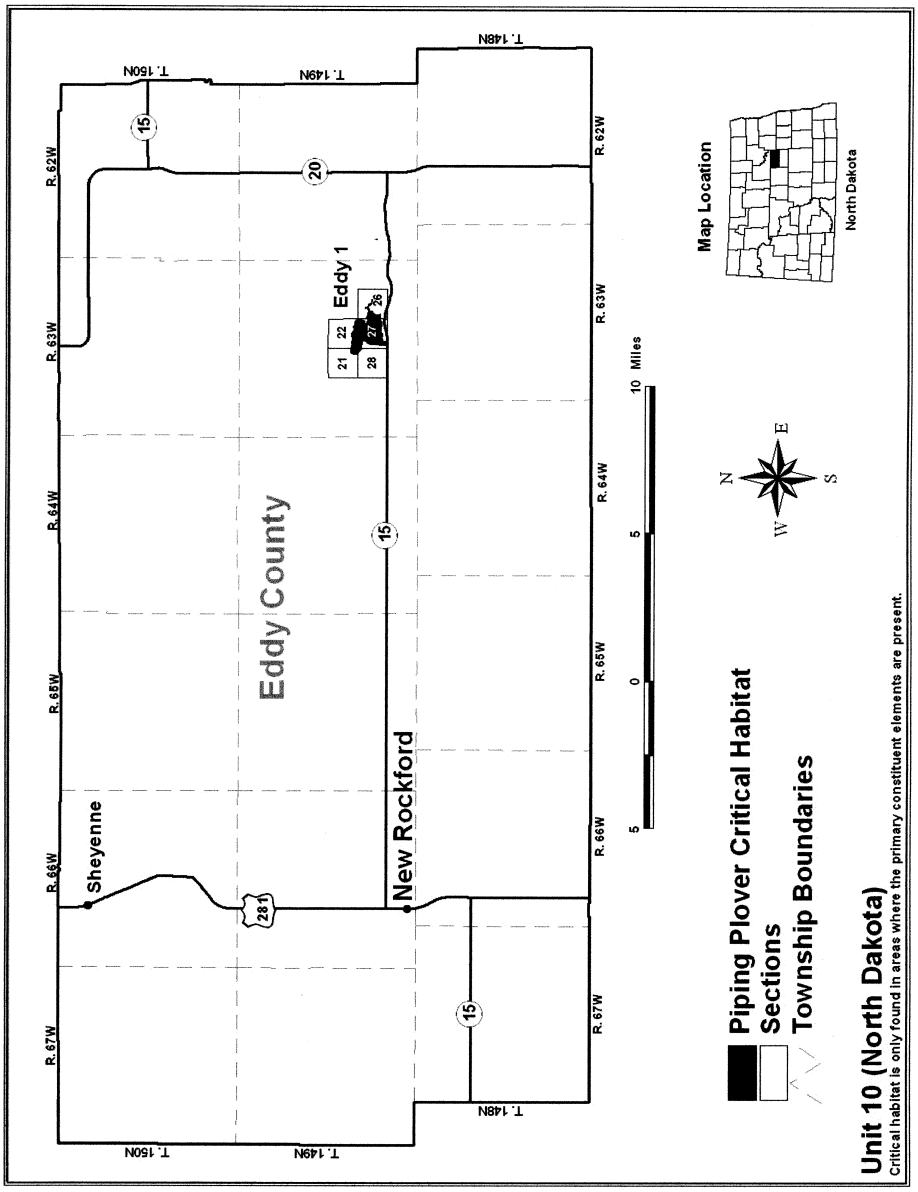
Logan 1 (Eberie Lake); T. 135 N., R. 69 W., Sec. 28, 29, 32, 33; 471236.510, 5146008.575; Logan 2 (Schweigert WPA); T. 134 N., R. 69 W., Sec. 2, 3, 10, 11, 14, 15; 474875.710, 5141918.770; Logan 3 (Baltzer WPA); T. 134 N., R. 70 W., Sec. 23, 26, 27; 465722.478, 5137658.555; Logan 4 (Logan County WMA); T. 134 N., R. 70 W., Sec. 34, 35; 465577.090, 5135812.195; McIntosh 1 (Turkey Island WPA); T. 130 N., R. 69 W., Sec. 2, 3, T. 131 N., R. 69 W., Sec. 34, 35; 476990.724, 5106836.450; McIntosh 2 (McIntosh 02); T. 130 N., R. 68 W., Sec. 13, 14, 23, 24; 488392.570, 5101297.805.



Unit ND–10: Eddy 1.

This unit consists of one alkali lake and wetland (as defined in item 2 i–iv above) located in Eddy County in the following Township, Range, and Section(s). The description that follows includes site map number; common name in parenthesis; Township, Range, and Section(s); and UTM coordinate (X, Y) of the center point:

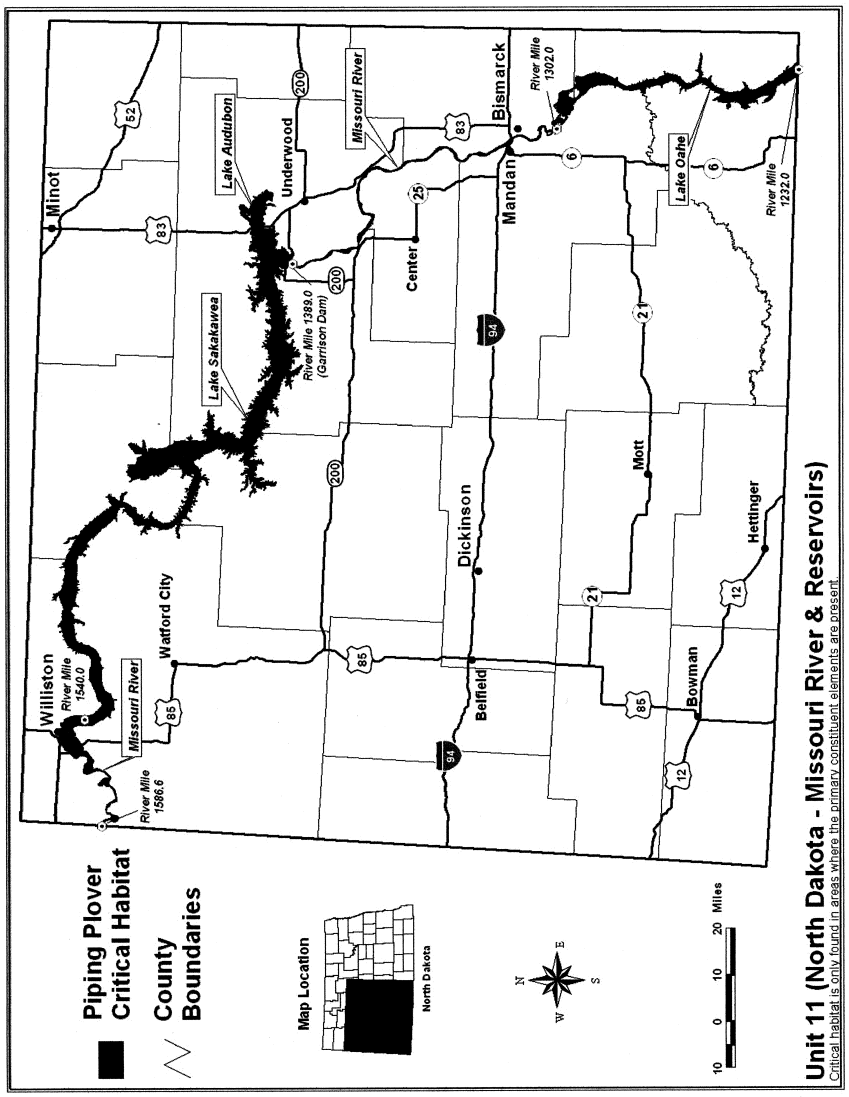
Eddy 1 (Lake Coe); T. 149 N., R. 63 W., Sec. 21, 22, 26–28; 522343.035, 5282341.250.



Unit ND–11: Missouri River.

Approximately 354.6 mi (570.6 km) from the Montana/North Dakota border just west of Williston, McKenzie County, North Dakota, at RM 1586.6 downstream to the North Dakota/South Dakota border in Sioux and Emmons Counties, North Dakota, and Corson and Campbell Counties, South Dakota, at RM 1232.0. Lake Sakakawea, Lake Audubon, and Lake Oahe are included in this unit, along with a free-flowing stretch of the Missouri River from RM 1389 to 1302 (Garrison Reach). This unit consists of the following TRS:

T. 129 N., R. 78 W., Sec. 19, 29–32 ; T. 129 N., R. 79 W., Sec. 3–6, 8–11, 13–16, 21–27, 35–36, T. 129 N., R. 80 W., Sec. 1, T. 130 N., R. 79 W., Sec. 3–9, 17–21, 27–34, T. 130 N., R. 80 W., Sec. 1–3, 10–14, 23–26, 36; T. 131 N., R. 79 W., Sec. 4–9,17–20, 29–32, T. 131 N., R. 80 W., Sec. 1, 11–15, 22–26, 35–36; T. 132 N., R. 78 W., Sec. 15–22; T. 132 N., R. 79 W., Sec. 3–5, 8–10, 13–16, 21–24, 26–29, 32–36. T. 133 N., R. 78 W., Sec. 5–8, 18–19, 30; T. 133 N., R. 79 W., Sec. 1–2, 11–13, 23–28, 34–36; T. 134 N., R. 78 W., Sec. 31; T. 134 N., R. 79 W., Sec. 2–3, 10–16, 22–26, 35–36, T. 135 N., R. 78 W., Sec. 6–7, T. 135 N., R. 79 W., Sec. 1–2, 11–15, 22–24, Sec. 26–27, 34–35; T. 136 N., R. 78 W., Sec. 18–19, 30–31; T. 136 N., R. 79 W., Sec. 1–3, 5–6, 8–16, 22–27, 35–36, T. 137 N., R. 79 W., Sec. 8, 14–23, 26–36, T. 137 N., R. 80 W., Sec. 3–5, T. 8–11, 13–17, 22–26, 36, T. 138 N., R. 80 W., Sec. 5–7, 18–19, 28–34, T. 138 N., R. 81 W., Sec. 13, 24–25; T. 139 N., R. 80 W., Sec. 30–31, T. 139 N., R. 81 W., Sec. 3–4, Sec. 10–11, 14, 23–26; T. 140 N., R. 81 W., Sec. 5, 8–9, 16, 21, 27–28, 33, T. 141 N., R. 80 W., Sec. 7, 18; T. 141 N., R. 81 W., Sec. 1–3, 11–13, 24–27, 33–35, T. 142 N., R. 81 W., Sec. 4–5, 9–10, 15–16, 21–22, 27–28, 34–35, T. 143 N., R. 81 W., Sec. 5–8, 18–19, 29–33, T. 144 N., R. 81 W., Sec. 30–32, T. 144 N., R. 82 W., Sec. 14–18, 23–25, T. 144 N., R. 83 W., Sec. 13–14, 21–24, 27–34, T. 144 N., R. 84 W., Sec. 5–9, 14–17, 22–25, T. 145 N., R. 84 W., Sec. 5, 8–9, 15–16, 21, 22, 27,. 34–35; T. 146 N., R. 84 W., Sec. 4–7, 18–20, 29–30, Sec. 32; T. 146 N., R. 85 W., Sec. 12–13, 24; T. 146 N., R. 86 W., Sec. 3, T. 146 N., R. 86 W., Sec. 6–7, T. 146 N., R. 87 W., Sec. 1–10, 18, T. 146 N., R. 88 W., Sec. 1–14, 16–18, 20–21, 24; T. 146 N., R. 89 W., Sec. 1–2, 10–12, T. 147 N., R. 82 W., Sec. 2–6, 8–11, 15–18, T. 147 N., R. 83 W., Sec. 1–9, Sec. 16–20, T. 147, N., R. 84 W., Sec. 1–24, T. 147 N., R. 85 W., Sec. 1–27, 28–35, 29–31, 34–36, T. 147 N., R. 86 W., Sec. 1–3, 7, 9–36; T. 147 N., R. 87 W., Sec. 7–36, T. 147 N., R. 88 W., Sec. 6–11, 13–36; T. 147 N., R. 89 W., Sec. 1–29, 34–36; T. 147 N., R. 90 W., Sec. 1–18, 20, 23–27; T. 147 N., R. 91W., Sec. 1–7, 11–12; T. 147 N., R. 92 W., Sec. 1–9, 12–13, 16–20, 29–30, 32; T. 147 N., R. 93 W., Sec. 1–2, 12–13, T. 148 N., R. 82 W., Sec. 7–8, 17–20, 28–34; T. 148 N., R. 83 W., Sec. 11–15, 19–36, T. 148 N., R. 84 W., Sec. 18–19, 22–27, 29–36; T. 148 N., R. 85 W., Sec. 19–20, 24–25, 27, T 29–36; T. 148 N., R. 86 W., Sec. 23–28, 33–36; T. 148 N., R. 89 W., Sec. 30–32, T. 148 N., R. 90 W., Sec. 6, 19–21, 25–36; T. 148 N., R. 91 W., Sec. 1–12, 14–17, 19–36, T. 148 N., R. 92 W., Sec. 13, 20–22, 24–36; T. 148 N., R. 93 W., Sec. 24–25, 35–36, T. 149 N., R. 89 W., Sec. 7, 18; T. 149 N., R. 90 W., Sec. 3–24, 27–33; T. 149 N., R. 91 W., Sec. 1–4, 6, 9–15, 23–26, 34–36; T. 149 N., R. 92 W., Sec. 1–6, 10–12, 14–16; T. 149 N., R. 93 W., Sec. 1–2, T. 150 N., R. 90 W., Sec. 18–19, 29–31; T. 150 N., R. 91 W., Sec. 1–36, T. 150 N., R. 92 W., Sec. 13–14, 19–20, 23–36; T. 150 N., R. 93 W., Sec. 6–9, 13–36, T. 150 N., R. 94 W., Sec. 1–2, 12–15, 22, 24; T. 151 N., R. 91 W., Sec. 1–11, 14–23, 26–35, T. 151 N., R. 92 W., Sec. 1–3, 10–14, 23–26, 36; T. 151 N., R. 93 W., Sec. 5–8, 16–21, 30–31, T. 151 N., R. 94 W., Sec. 1–3, 10–15, 24–26, 35–36; T. 152 N., R. 91W., Sec. 19, 22–28, 30–35, T. 152 N., R. 92 W., Sec. 18–19, 21–28, 34–36; T. 152 N., R. 93 W., Sec. 1–16, 20–23, 27–34, T. 152 N., R. 94 W., Sec. 1, 36, T. 152 N., R. 99 W., Sec. 2–6, T. 152 N., R. 100 W., Sec. 1–12, T. 152 N., R. 100 W., Sec. 14–18, T. 152 N., R. 100 W., Sec. 20, 22; T. 152 N., R. 101 W., Sec. 1–2, 12–13; T. 152 N., R. 102 W., Sec. 6–7, T. 152 N., R. 103 W., Sec. 3–4, 9–16, 20–23, 28–30, T. 152 N., R. 104 W., Sec. 7–8, 13–15, 17–18, 20–25, 28–29; Sec. 32–33, T. 153 N., R. 92 W., Sec. 31–33, T. 153 N., R. 93 W., Sec. 5–9, 15–23, 26–30, 32–36; T. 153 N., R. 94 W., Sec. 1–14, 16, 24; T. 153 N., R. 95 W., Sec. 5–6, T. 153 N., R. 96 W., Sec. 1, 4–5; T. 153 N., R. 97 W., Sec. 1–2, 4–7, 11; T. 153 N., R. 98 W., Sec. 1–3, 11–15, 19–35, T. 153 N., R. 99 W., Sec. 22–29, 31–36, T. 153 N., R. 100 W., Sec. 4–9, 16–21, 27–30, 32–35; T. 153 N., R. 101 W., Sec. 1–11, 15–20, 30; T. 153 N., R. 102 W., Sec. 1, 12–13, 21–28, 33–36; T. 154 N., R. 93 W., Sec. 31, T. 154 N., R. 94 W., Sec. 15, 19–23, 25–36; T. 154 N., R. 95 W., Sec. 11, 13–14, 17–36, T. 154 N., R. 96 W., Sec. 2–3, 10–11, 13–16, 18–36; T. 154 N., R. 97 W., Sec. 13–16, 19–36; T. 154 N., R. 98 W., Sec. 25, 35–36; T. 154 N., R. 100 W., Sec. 19, 29–33, T. 154 N., R. 101 W., Sec. 22–29, 31–36.



SOUTH DAKOTA

Projection: UTM Zone 14, NAD 27, Clarke 1866, Meters.

Unit SD–1: Missouri River.

Approximately 159.7 mi (257 km) from the North Dakota/South Dakota border northeast of McLaughlin, Corson County, South Dakota, at RM 1232.0 downstream to RM 1072.3, just north of Oahe Dam (Oahe Reservoir) including the following TRS:

T. 6 N., R. 29 E., Sec. 1–6, 8–11, 14–16, 21–23, 25–27, 35–36; T. 6 N., R. 30 E., Sec. 22–34; T. 6 N., R. 31 E., Sec. 19; T. 7 N., R. 28 E., Sec. 1,T. 7 N., R. 28 E., Sec. 12–13, 36; T. 7 N., R. 29 E.,

Sec. 5–9, 15–17, 20–28, 31–32, 34–36,[3]; T. 7 N., R. 30 E., Sec. 19–20, 29–32; T. 8 N., R. 23 E., Sec. 1; T. 8 N., R. 24 E., Sec. 4–6; T. 8 N., R. 26 E., Sec. 4; T. 8 N., R. 28 E., Sec. 1, 11–14, 23–25; T. 8 N., R. 29 E., Sec. 4–9, 16–20, 29–31; T. 9 N., R. 23 E., Sec. 36; T. 9 N., R. 24 E., Sec. 12–15, 22–28, 31–34, T. 9 N., R. 25 E., Sec. 1–2, 7–18, 20–25, 27; T. 9 N., R. 26 E., Sec. 1–9, 10–23, 26, 28–30, 32–33; T. 9 N., R. 27 E., Sec. 1–12; T. 9 N., R. 28 E., Sec. 3–9, 13–20, 22–26, 35–36; T. 9 N., R. 29 E., Sec. 1–4, 18–20, 29–32; T. 9 N., R. 30 E., Sec. 6; T. 10 N., R. 26 E., Sec. 10, 13, 15–16, 19–20, 22–29, 32–36; T. 10 N., R. 27 E., Sec. 9, 15–16, 21–36; T. 10 N., R. 28 E., Sec. 1–6, 8–17, 19–21, 24, 29–33; T. 10 N., R. 29 E., Sec. 1, 4–9, T. 10 N., R. 29 E., Sec. 12–13, 16–22, 24–25, 27–30, 32–36; T. 10 N., R. 30 E., Sec. 1–12, 14–19, 20, 29, 30–31, T. 10 N., R. 31 E., Sec. 6; T. 11 N., R. 27 E., Sec. 36; T. 11 N., R. 28 E., Sec. 25, 27–36; T. 11 N., R. 29 E., Sec. 24–26, 31, 36; T. 11 N., R. 30 E., Sec. 1–2, 11–14, 23–26, 31–33, 35–36; T. 11 N., R. 31 E., Sec. 30–31; T. 12 N., R. 30 E., Sec. 1–4, 10–14, 22–28, 34–36; T. 12 N., R. 31 E., Sec. 1–7, 10–12, T. 13 N., R. 30 E., Sec. 1, 31–34; T. 13 N., R. 30 E., Sec. 36; T. 13 N., R. 31 E., Sec. 3–10, 16–17, 20–21, 27–28, 30–35; T. 14 N., R. 30 E., Sec. 36; T. 14 N., R. 31 E., Sec. 1–5, 9–11, 14–15, 22–23, 26–28, 31–35; T. 15 N., R. 30 E., Sec. 1; T. 15 N., R. 31 E., Sec. 4–6, 10–11,13–15, 23–27, 32–33, 35–36; T. 16 N., R. 28 E., Sec. 13–14, 21–24, 26–28; T. 16 N., R. 29 E., Sec. 1–3, 7–22, 24, 29–30; T. 16 N., R. 30 E., Sec. 1–13, 16–18, 36; T. 16 N., R. 31 E., Sec. 1–2, 6–8, 10–11, 14–19, 20–22, 27–34; T. 17 N., R. 29 E., Sec. 36; T. 17 N., R. 30 E., Sec. 1, 28, 31, 33–34; T. 17 N., R. 31 E., Sec. 6–8, 16–18, 20–21, 27–28, 33–34; T. 18 N., R. 29 E., Sec. 1–2, 12–13; T. 18 N., R. 30 E., Sec. 18–27, 35–36; T. 18 N., R. 31 E., Sec. 31; T. 19 N., R. 28 E., Sec. 2–6; T. 19 N., R. 29 E., Sec. 1–18, 20–26, 34–36, T. 19 N., R. 30 E., Sec. 4, 7–9, 16–21, 28–32; T. 20 N., R. 27 E., Sec. 25, 36; T. 20 N., R. 28 E., Sec. 24–27, 30–36; T. 20 N., R. 29 E., Sec. 19, 29–32, 34; T. 20 N., R. 30 E., Sec. 22, 24–27,. 32–34, 36; T. 20 N., R. 31 E., Sec. 4–6, 8–9, 16, T. 20 N., R. 31 E., Sec. 19–21, 28–32; T. 21 N., R. 30 E., Sec. 2–4,10–11, 14, 23–26, 36; T. 21 N., R. 31 E., Sec. 31; T. 22 N., R. 29 E., Sec. 1–2, 11–12; T. 22 N., R. 30 E., Sec. 5–8, 14–17, 21–23, 27–28, 33–34,[4]; T. 23 N., R. 29 E., Sec. 20–22, 27–28, 33–36;[5]; T. 23 N., R. 30 E., Sec. 29–32; T. 107 N., R. 71 W., Sec. 30–32; T. 111 N., R. 80 W., Sec. 1–3, 6; T. 111 N., R. 81 W., Sec. 1–4; T. 112 N., R. 79 W., Sec. 31; T. 112 N., R. 80 W., Sec. 4–9, 17–18, 23, 25–36; T. 112 N., R. 81 W., Sec. 1, 12–15, 22–28, 33–36; T. 113 N., R. 80 W., Sec. 3–4, 9–10, T. 113 N., R. 80 W., Sec. 4, 9, 16–21, 28–34; T. 113 N., R. 81 W., Sec. 5–8, 13, 15–17, 20–29, 34–36; T. 114 N., R. 80 W., Sec. 33–34; T. 114 N., R. 81 W., Sec. 4–5, 9–10,16–17, 20–21, 27–29, 31–33; T. 115 N., R. 80 W., Sec. 2–5, 7–10, 16–20; T. 115 N., R. 81 W., Sec. 6–7, 16–21, 25–30, 32–33, 35–36; T. 115 N., R. 82 W., Sec. 1–4, 9–16, 22–25; T. 116 N., R. 79 W., Sec. 4–9, 17–20, T. 116 N., R. 80 W., Sec. 24–27, 33–35; T. 116 N., R. 82 W., Sec. 33–36; T. 117 N., R. 79 W., Sec. 5–8, 17–18, 20, 29, 32–33,[6]; T. 118 N., R. 78 W., Sec. 3–10, 16–18, 20–21, 29–30; T. 118 N., R. 79 W., Sec. 1, 12, 20–32; T. 119 N., R. 79 W., Sec. 3–5; T. 119 N., R. 78 W., Sec. 7–9, 17–20, 30–31; T. 119 N., R. 79 W., Sec. 24–25, 36; T. 120 N., R. 78 W., Sec. 2–4, 9–11, 15–17, 20–22, 27–29, 32–34,[7]; T. 121 N., R. 78 W., Sec. 3–11, 15–18, 20–22, 26–28, 34–35; T. 122 N., R. 78 W., Sec. 3–5, 9, 15–16, 21–22, 27–28, 32–34; T. 123 N., R. 78 W., Sec. 6–8, 18–20, 29–33; T. 123 N., R. 79 W., Sec. 1–3, 11–13, 24–25; T. 124 N., R. 78 W., Sec. 31; T. 124 N., R. 79 W., Sec. 5–7, 18, 29–34; T. 124 N., R. 80 W., Sec. 12–14, 23–26, 35–36; T. 125 N., R. 78 W., Sec. 4–5, 7–8; T. 125 N., R. 79 W., Sec. 9–17, 20–22, 27–29, 32–33,[7]; T. 126 N., R. 78 W., Sec. 5–8, 17–18, 20–21, 27–29, 32–33; T. 126 N., R. 79 W., Sec. 1, 12; T. 127 N., R. 78 W., Sec. 31; T. 127 N., R. 79 W., Sec. 1–2, 11, 14, 23–26, 36; T. 128 N., R. 78 W., Sec. 16–19, 29–31; T. 128 N., R. 79 W., Sec. 5–9, 13, 16–17, 20–22, 24–29, 35–36; T. 128 N., R. 80 W., Sec. 1–3, 10–12.

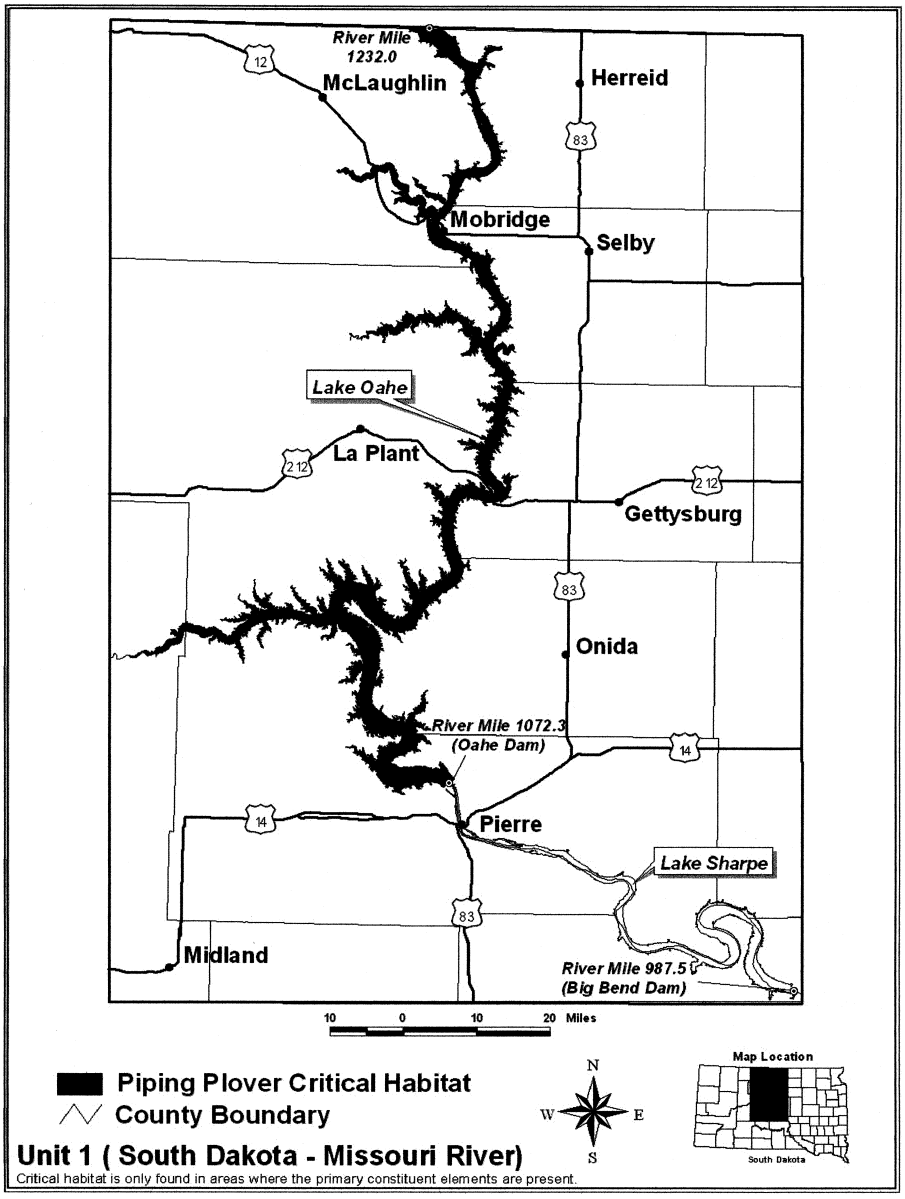
[3] Undefined—These are ''lands'' which were not surveyed during the original Government Land Office survey of South Dakota. They are now inundated and appear to fall in what was the described river channel at that time.

[4] See footnote 3.

[5] See footnote 3.

[6] See footnotes 1 and 3.

[7] See footnote 3.



Unit SD–2: Missouri River.

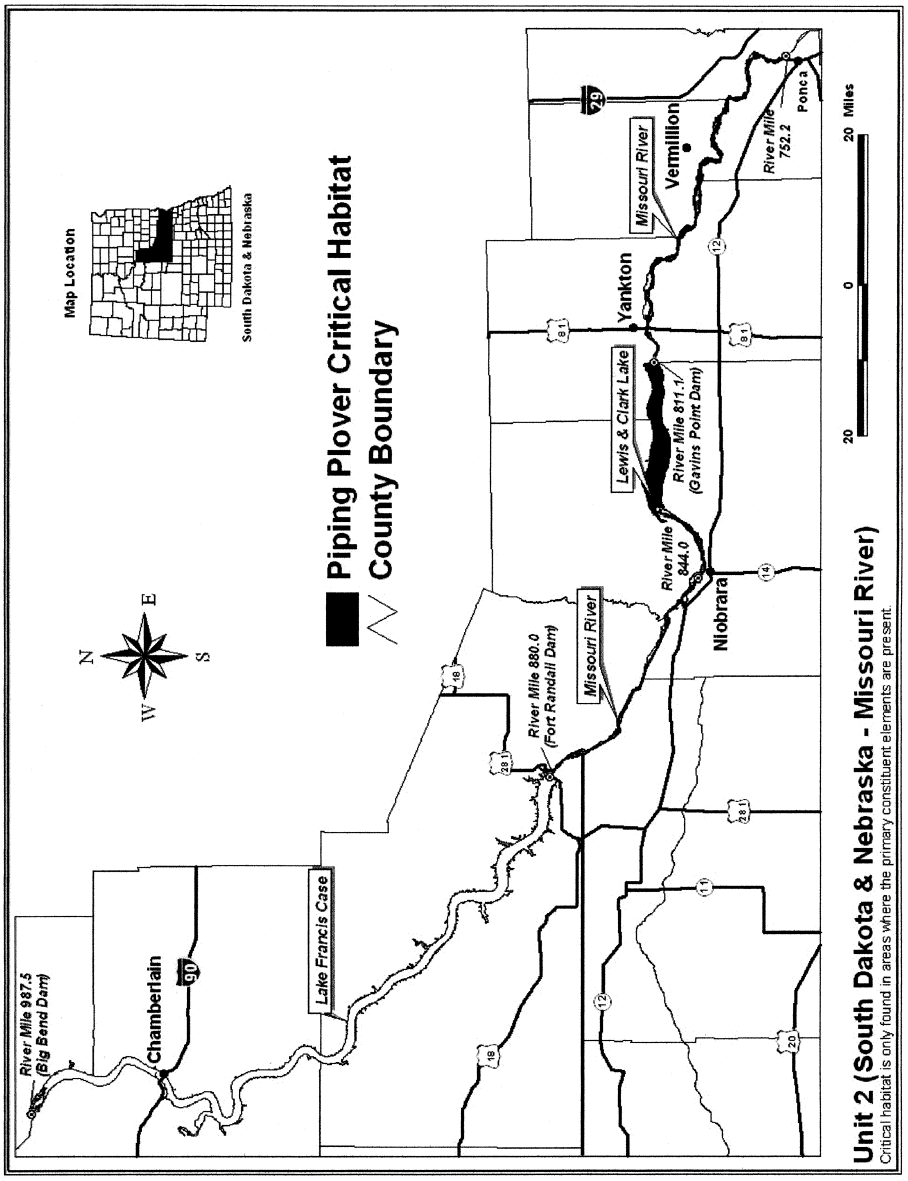
Approximately 127.8 mi (204.4 km) from RM 880.0, at Fort Randall Dam in Bon Homme (right bank) and Charles Mix Counties (left bank), South Dakota, downstream to RM 752.2 near Ponca in Dixon County, Nebraska (right bank), and Union County, South Dakota (left bank). One mainstem Missouri River reservoir, Lewis and Clark Lake, and two riverine reaches (Fort Randall and Gavins Point) are included in this unit. This unit consists of the following TRS:

T. 90 N., R. 49 W., Sec. 6, T. 90 N., R. 50 W., Sec. 1, T. 90 N., R. 50 W., Sec. 11–14, T. 90 N., R. 50 W., Sec. 23–25, T. 91 N., R. 49 W., Sec. 31, T. 91 N., R. 50 W., Sec. 7, T. 91 N., R. 50 W., Sec. 18–19, T. 91 N., R. 50 W., Sec. 25–26, T. 91 N., R. 50 W., Sec. 28–30, T. 91 N., R. 50 W., Sec. 35–36, T. 91 N., R. 50 W., Sec.[8], T. 91 N., R. 51 W., Sec. 3–6, T. 91 N., R. 51 W., Sec. 10–13, T. 91 N., R. 52 W., Sec. 1–3, T. 91 N., R. 52 W., Sec. 10–12, T. 92 N., R. 51 W., Sec. 31–32, T. 92 N., R. 52 W., Sec. 19–21, T. 92 N., R. 52 W., Sec. 26–30, T. 92 N., R. 52 W., Sec. 34–36, T. 92 N., R. 53 W., Sec. 7–8, T. 92 N., R. 53 W., Sec. 17–18, T. 92 N., R. 53 W., Sec. 20–24, T. 92 N., R. 54 W., Sec. 3, T. 92 N., R. 54 W., Sec. 10–12, T. 92 N., R. 60 W., Sec. 1–2, T. 92 N., R. 60 W., Sec. 10–11, T. 92 N., R. 60 W., Sec. 15–17, T. 92 N., R. 60 W., Sec. 19–21, T. 92 N., R. 61 W., Sec. 6–8, T. 92 N., R. 61 W., Sec. 15–17, T. 92 N., R. 61 W., Sec. 21–24, T. 92 N., R. 62 W., Sec. 1–2, T. 93 N., R. 54 W., Sec. 18–21, T. 93 N., R. 54 W., Sec. 27–28, T. 93 N., R. 54 W.,

Sec. 34, T. 93 N., R. 55 W., Sec. 13–14, T. 93 N., R. 55 W., Sec. 17–19, T. 93 N., R. 55 W., Sec. 23–24, T. 93 N., R. 56 W., Sec. 13–14, T. 93 N., R. 56 W., Sec. 17–21, T. 93 N., R. 56 W., Sec. 23–24, T. 93 N., R. 56 W., Sec. 26–28, T. 93 N., R. 57 W., Sec. 16–24, T. 93 N., R. 57 W., Sec. 28–29, T. 93 N., R. 58 W., Sec. 17–28, T. 93 N., R. 58 W., Sec. 30, T. 93 N., R. 58 W., Sec. 34–35, T. 93 N., R. 59 W., Sec. 10–11, T. 93 N., R. 59 W., Sec. 13–19, T. 93 N., R. 59 W., Sec. 21–27, T. 93 N., R. 60 W., Sec. 24–26, T. 93 N., R. 60 W., Sec. 35–36, T. 93 N., R. 62 W., Sec. 19–20, T. 93 N., R. 62 W., Sec. 26–30, T. 93 N., R. 62 W., Sec. 35–36, T. 93 N., R. 63 W., Sec. 6–10, T. 93 N., R. 63 W., Sec. 15, T. 93 N., R. 64 W., Sec. 1, T. 94 N., R. 64 W., Sec. 19–20, T. 94 N., R. 64 W., Sec. 27–30, T. 94 N., R. 64 W., Sec. 34–36, T. 94 N., R. 65 W., Sec. 2, T. 94 N., R. 65 W., Sec. 11–13, T. 94 N., R. 65 W., Sec. 24, T. 95 N., R. 65 W., Sec. 15–17, T. 95 N., R. 65 W., Sec. 8–9, T. 95 N., R. 65 W., Sec. 21–23, T. 95 N., R. 65 W., Sec. 26–27, T. 95 N., R. 65 W., Sec. 34–35.

NOTE: Map follows:

[8] Undefined—These are ''lands'' which were not surveyed during the original Government Land Office survey of South Dakota. They are now inundated and appear to fall in what was the described river channel at that time.



WESTERN SNOWY PLOVER (*Charadrius nivosus nivosus*)—PACIFIC COAST POPULATION

(1) Critical habitat units are depicted for: Washington—Grays Harbor and Pacific Counties; Oregon—Clatsop, Tillamook, Lane, Douglas, Coos, and Curry Counties; and California—Del Norte, Humboldt, Mendocino, Marin, Napa, Alameda, San Mateo, Santa Cruz, Monterey, San Luis Obispo, Santa Barbara, Ventura, Los Angeles, Orange, and San Diego Counties, on the maps below.

(2) Within these areas, the primary constituent elements of the physical or biological features essential to the conservation of

the Pacific Coast population of the western snowy plover are sandy beaches, dune systems immediately inland of an active beach face, salt flats, mud flats, seasonally exposed gravel bars, artificial salt ponds and adjoining levees, and dredge spoil sites, with:

(i) Areas that are below heavily vegetated areas or developed areas and above the daily high tides;

(ii) Shoreline habitat areas for feeding, with no or very sparse vegetation, that are between the annual low tide or low-water flow and annual high tide or high-water flow, subject to inundation but not constantly under water, that support small invertebrates, such as crabs, worms, flies, beetles, spiders, sand hoppers, clams, and ostracods, that are essential food sources;

(iii) Surf- or water-deposited organic debris, such as seaweed (including kelp and eelgrass) or driftwood located on open substrates that supports and attracts small invertebrates described in paragraph (ii) of this entry for food, and provides cover or shelter from predators and weather, and assists in avoidance of detection (crypsis) for nests, chicks, and incubating adults; and

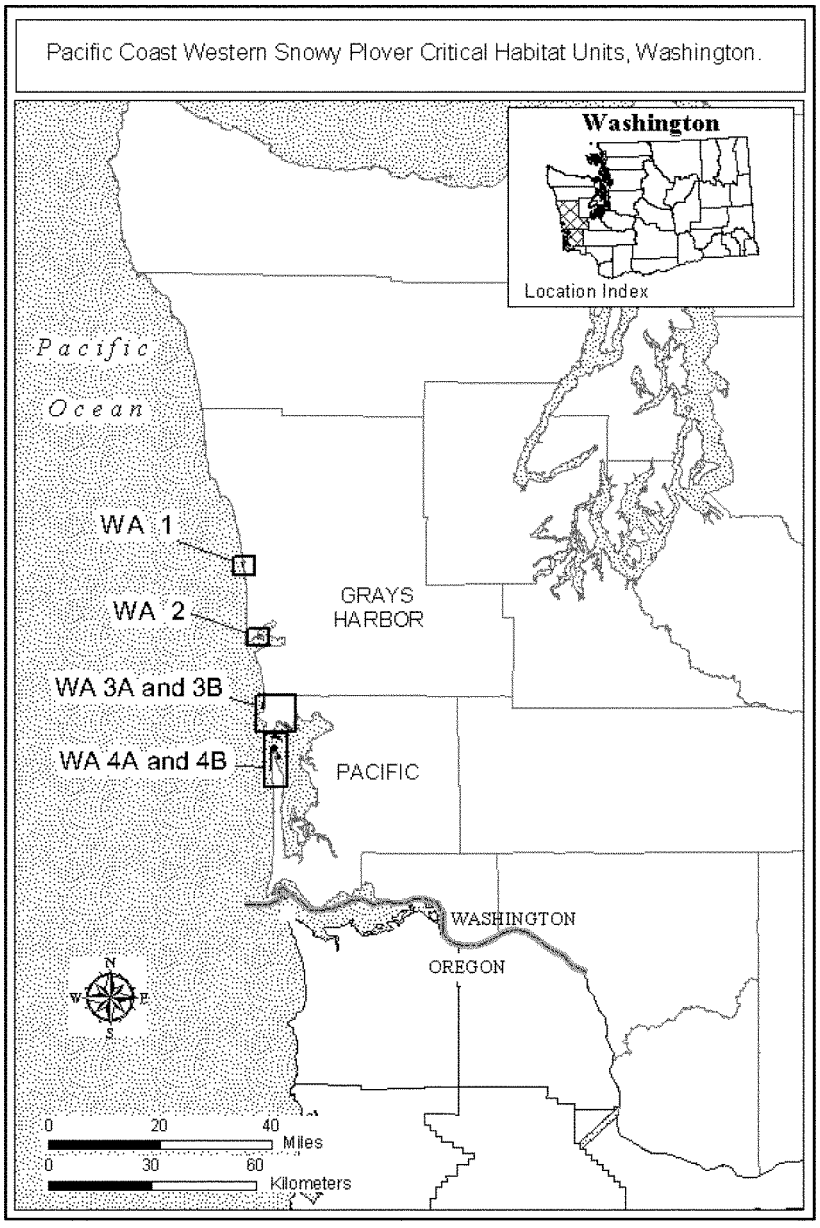
(iv) Minimal disturbance from the presence of humans, pets, vehicles, or human-attracted predators which provide relatively undisturbed areas for individual and population growth and for normal behavior.

(3) Critical habitat does not include manmade structures (such as buildings, roads, paved areas, boat ramps, and other developed areas) and the land on which such structures are directly located and existing within the legal boundaries on the effective date of this rule.

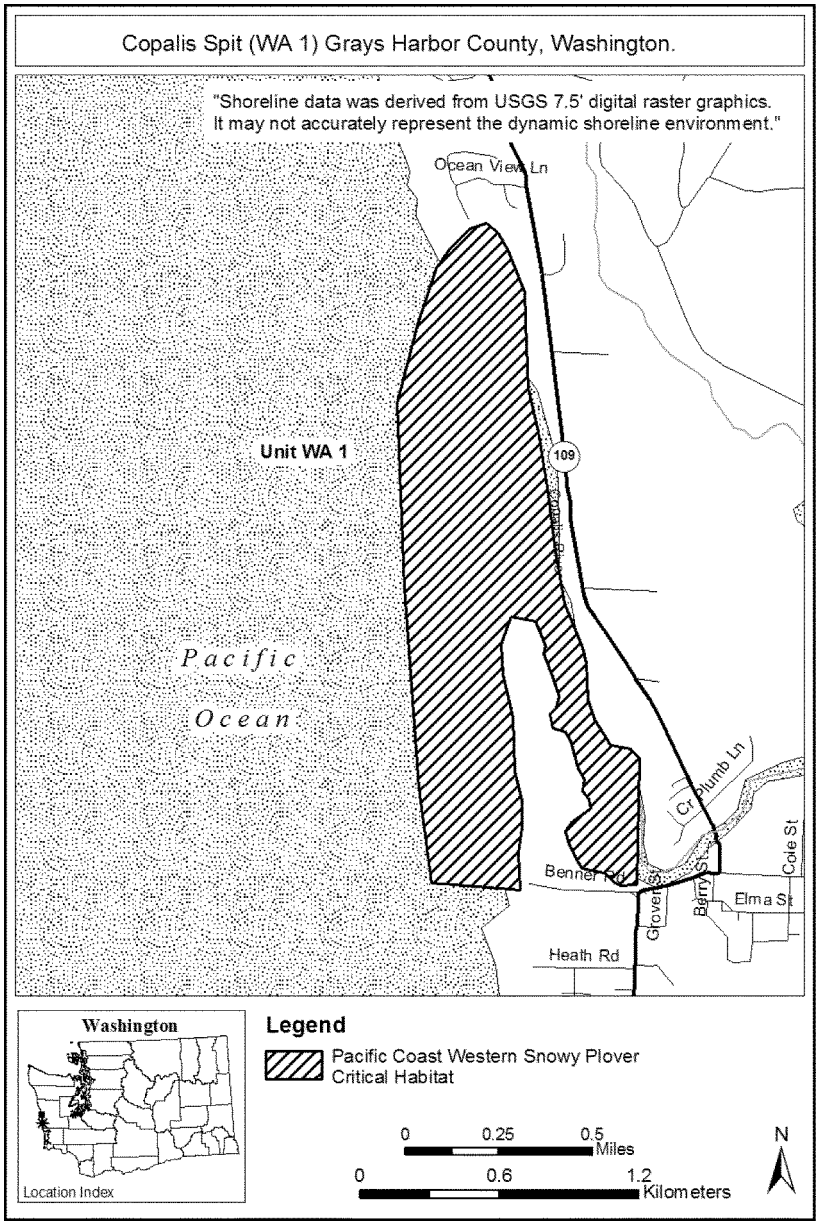
(4) *Critical habitat map units.* Data layers defining map units were created on a base of USGS digital ortho-photo quarter-quadrangles, and critical habitat units were then mapped using Universal Transverse Mercator (UTM) Zone 10N and 11N coordinates.

(5) The coordinates for these maps are available on the Internet at *http://www.regulations.gov* at Docket No. FWS–R8–ES–2010–0070, at *http://www.fws.gov/arcata/*, or at the Arcata Fish and Wildlife Office, 1655 Heindon Road, Arcata, CA 95521.

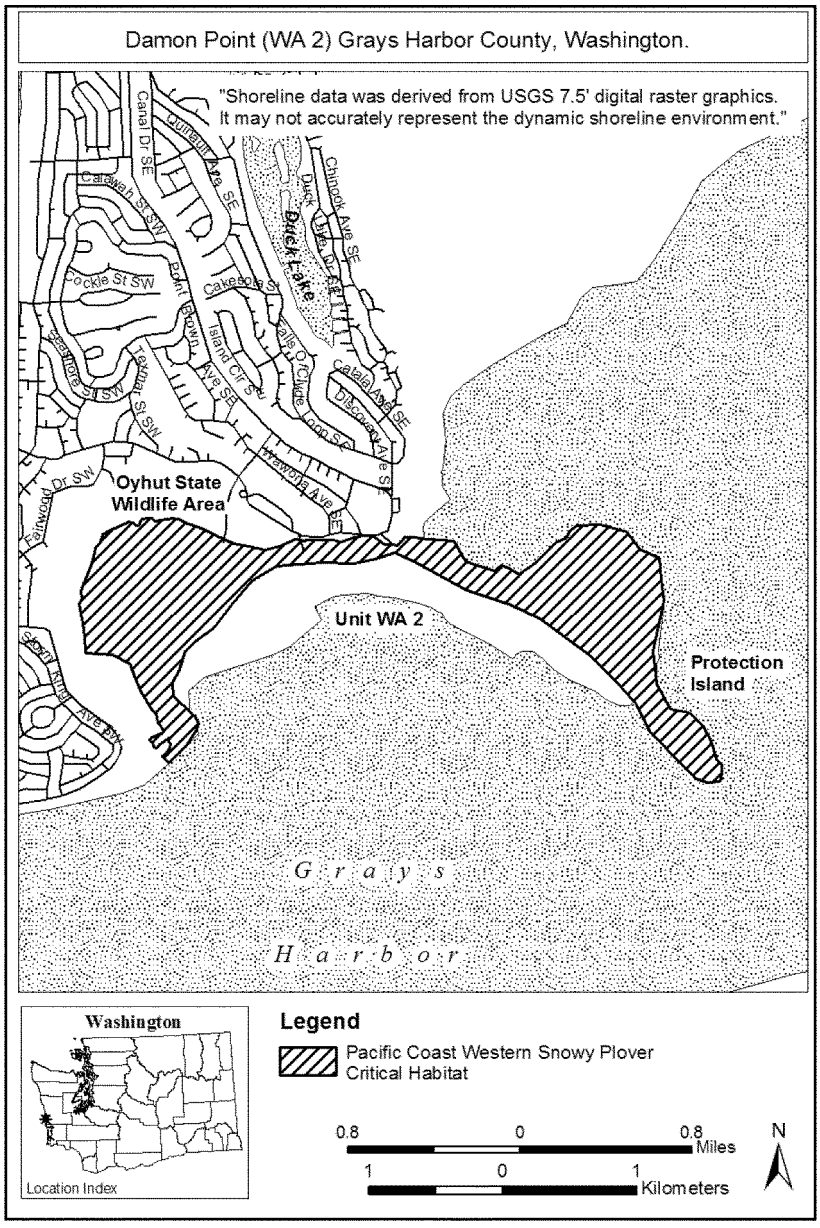
(6) Index map of critical habitat units for the Pacific Coast western snowy plover (*Charadrius nivosus nivosus*) in Washington follows:



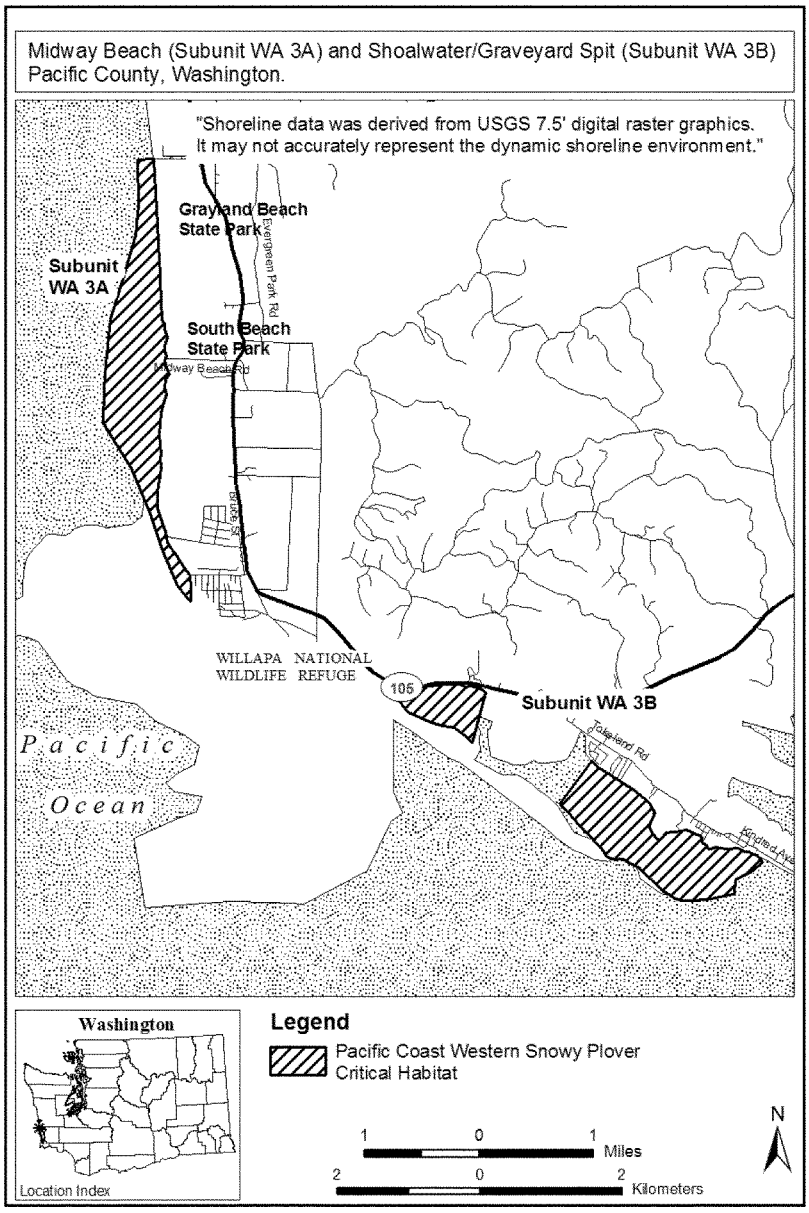
(7) Unit WA 1: Copalis Spit, Grays Harbor County, Washington. Map follows:



(8) Unit WA 2: Damon Point, Grays Harbor County, Washington. Map follows:

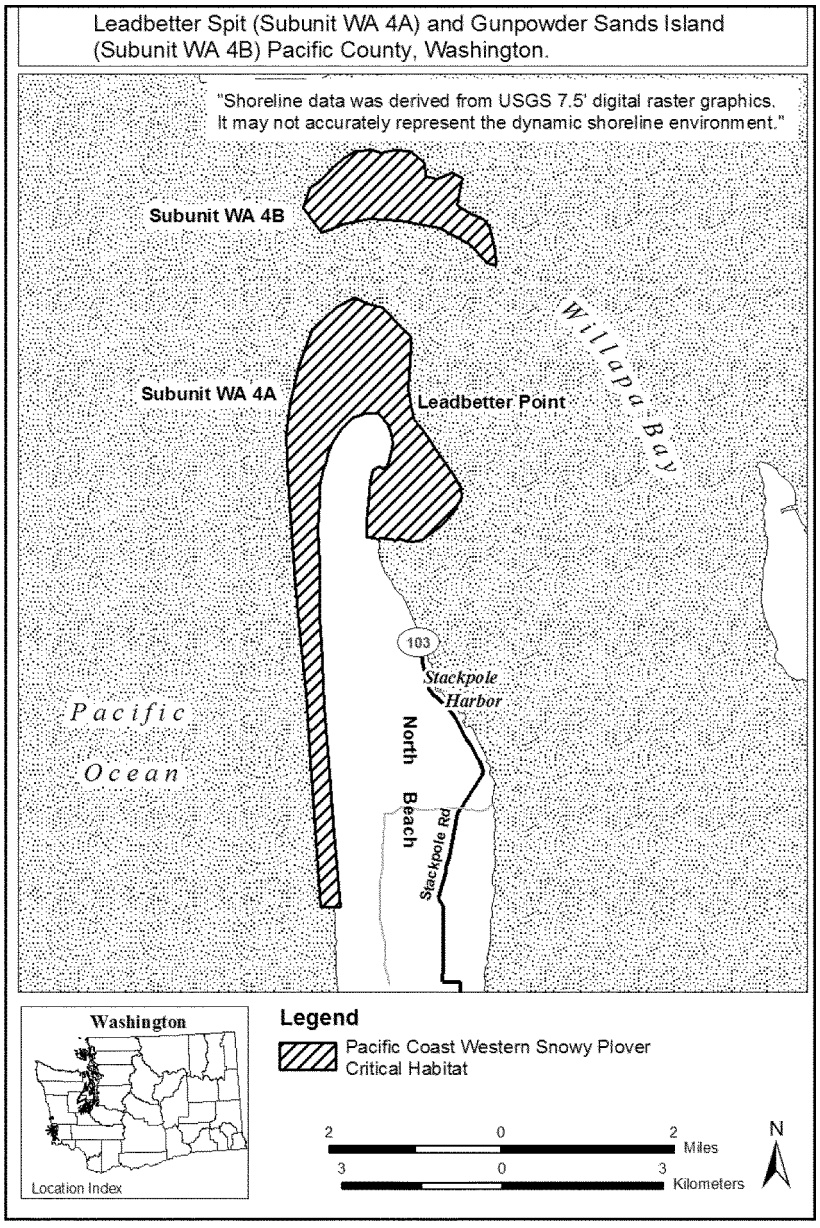


(9) Subunit WA 3A: Midway Beach, Pacific County, Washington. Map of Subunits WA 3A and WA 3B follows.



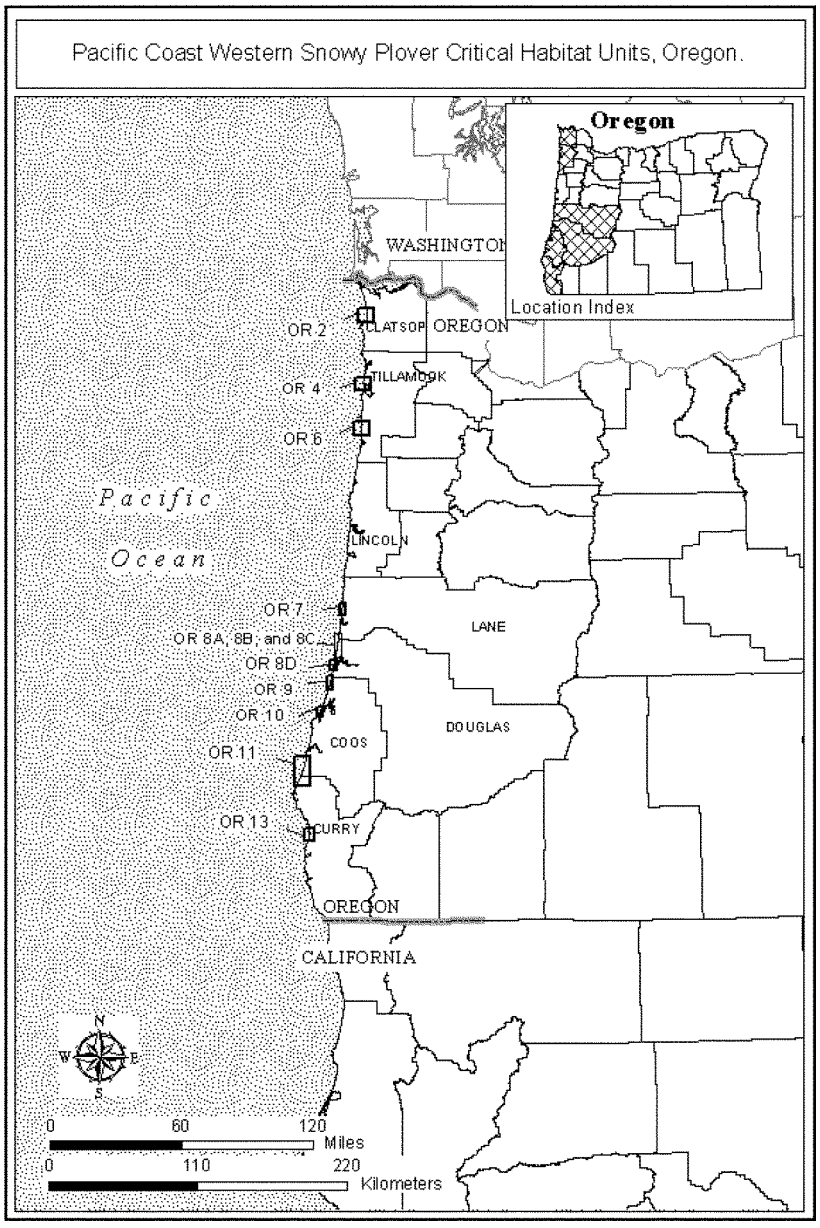
(10) Subunit WA 3B: Shoalwater/Graveyard Spit, Pacific County, Washington. Map of Subunits WA 3A and WA 3B is provided at paragraph (8) of this entry.

(11) Subunit WA 4A: Leadbetter Spit, Pacific County, Washington. Map of Subunits WA 4A and WA 4B follows.

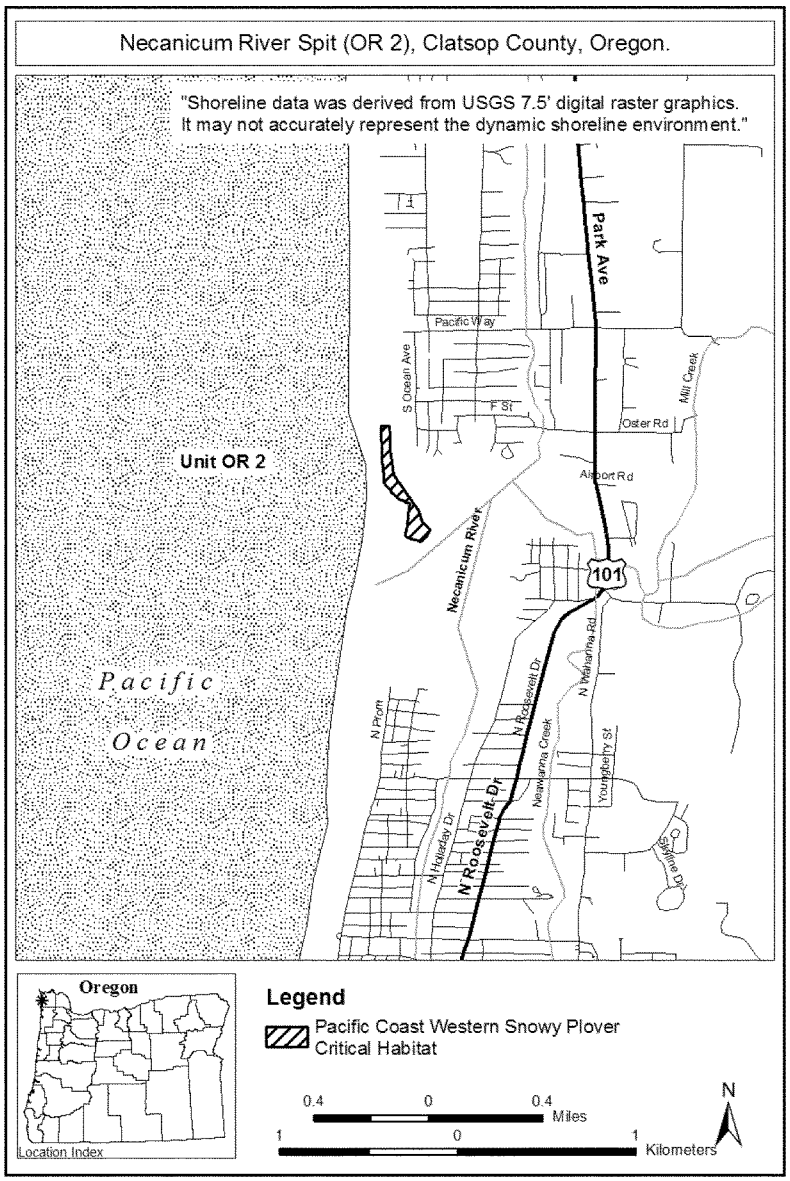


(12) Subunit WA 4B: Gunpowder Sands Island, Pacific County, Washington. Map of Subunits WA 4A and WA 4B is provided at paragraph (11) of this entry.

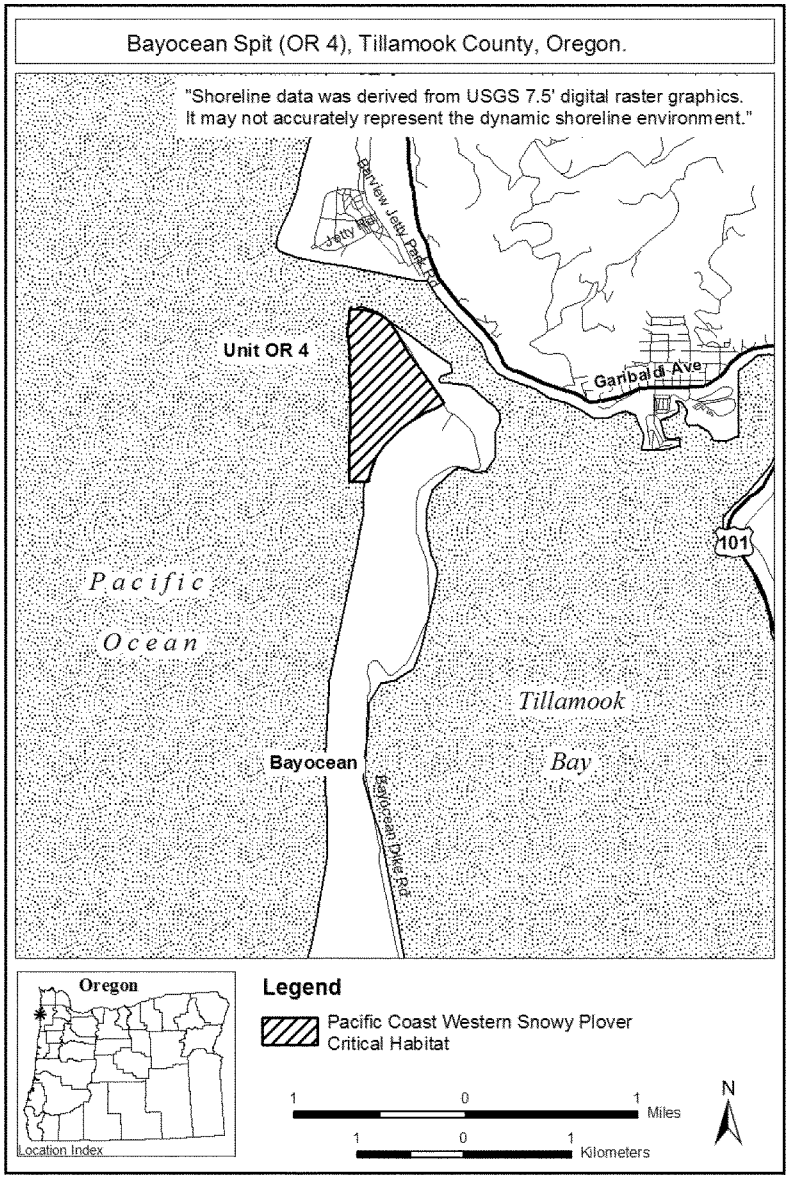
(13) Index map of critical habitat units for the Pacific Coast western snowy plover (*Charadrius nivosus nivosus*) in Oregon follows:



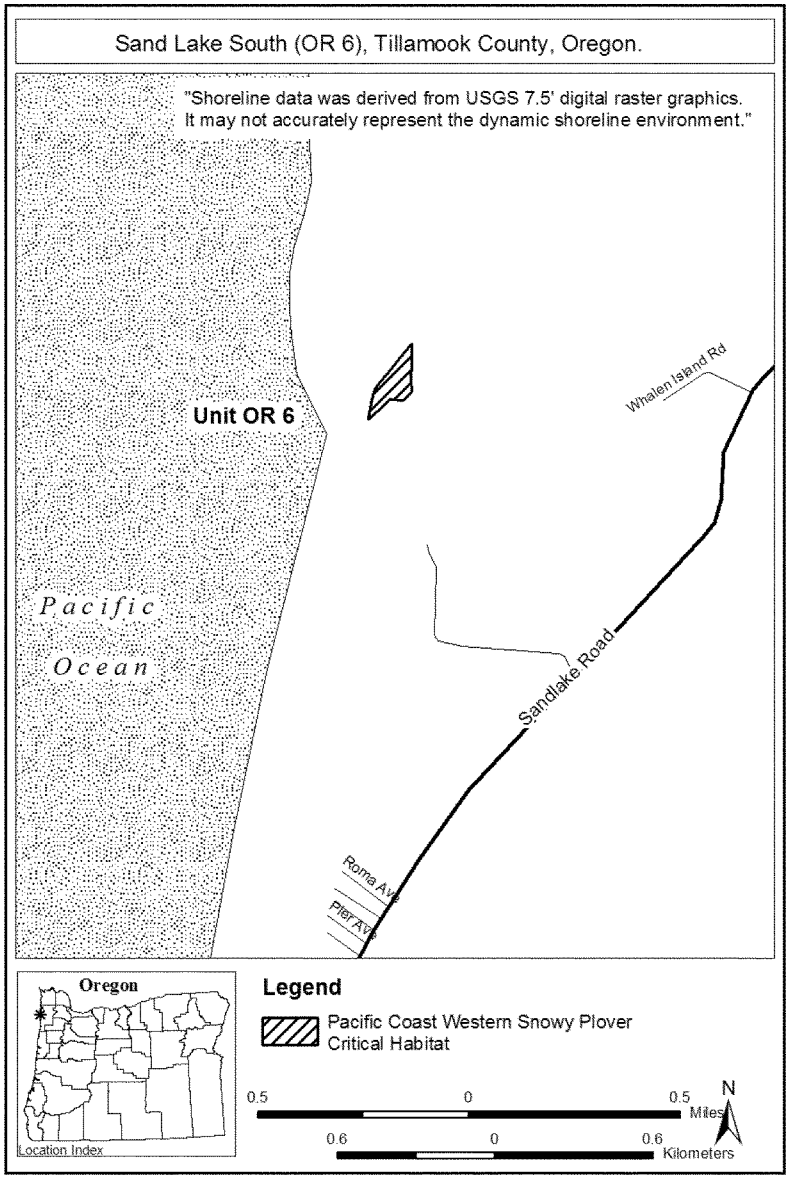
(14) Unit OR 2: Necanicum River Spit, Clatsop County, Oregon. Map follows:



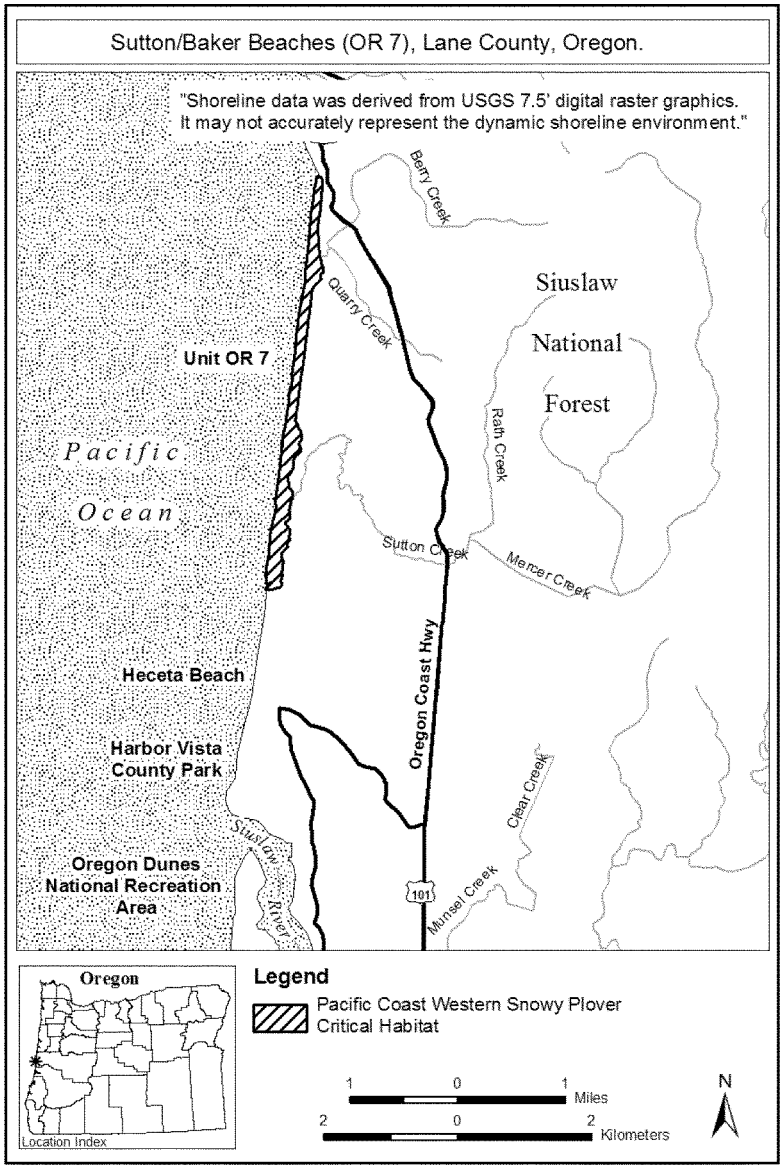
(15) Unit OR 4: Bayocean Spit, Tillamook County, Oregon. Map follows:



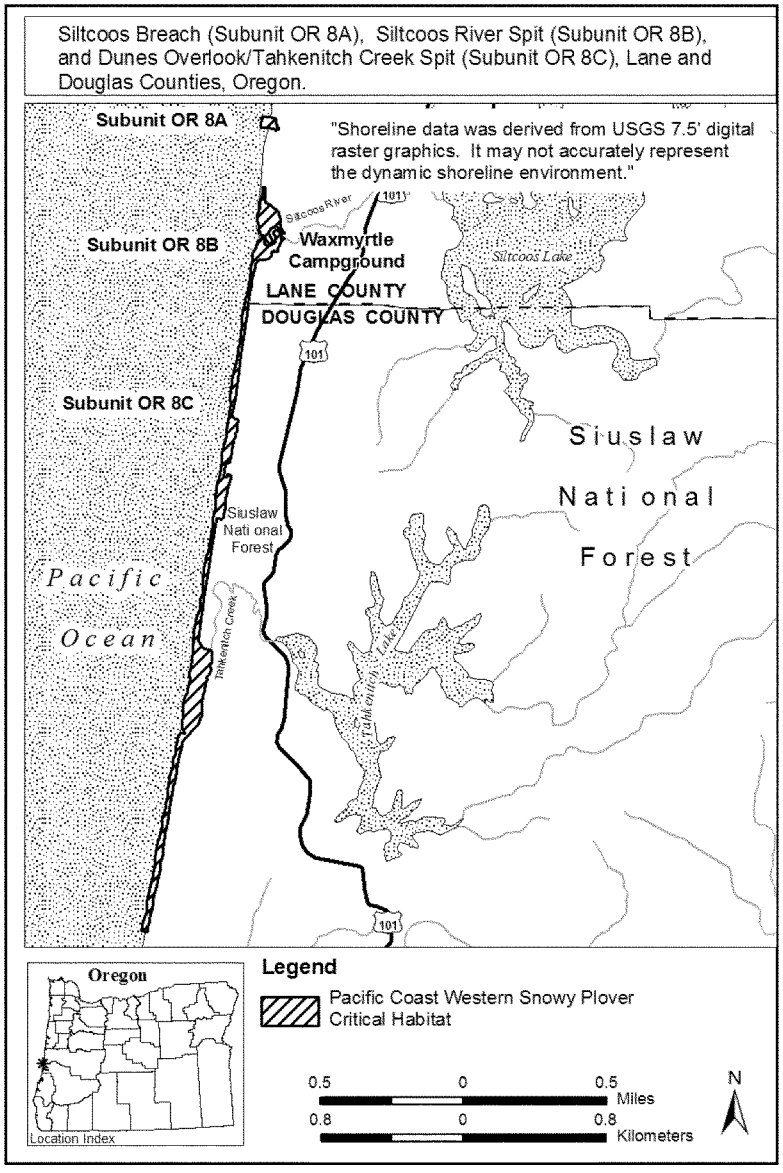
(16) Unit OR 6: Sand Lake South, Tillamook County, Oregon. Map follows:



(17) Unit OR 7: Sutton/Baker Beaches, Lane County, Oregon. Map follows:



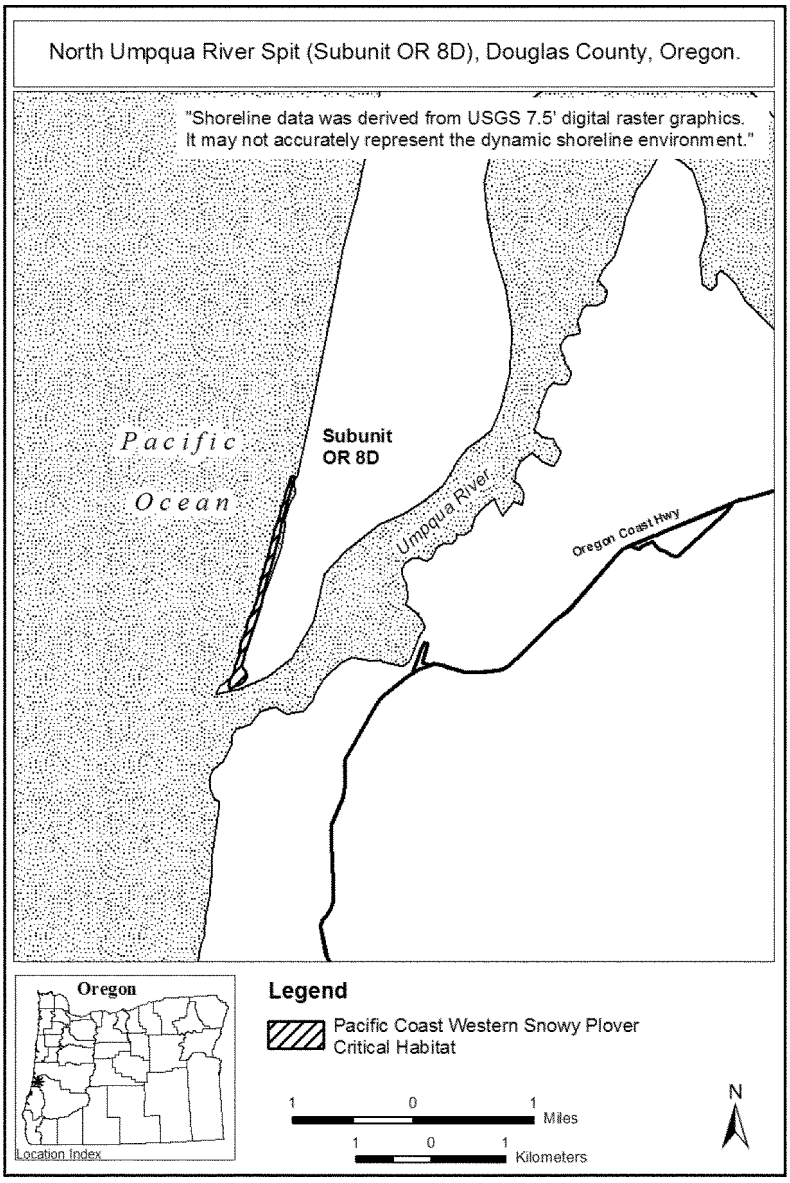
(18) Subunit OR 8A: Siltcoos Breach, Lane County, Oregon. Map of Subunits OR 8A, OR 8B, and OR 8C follows:



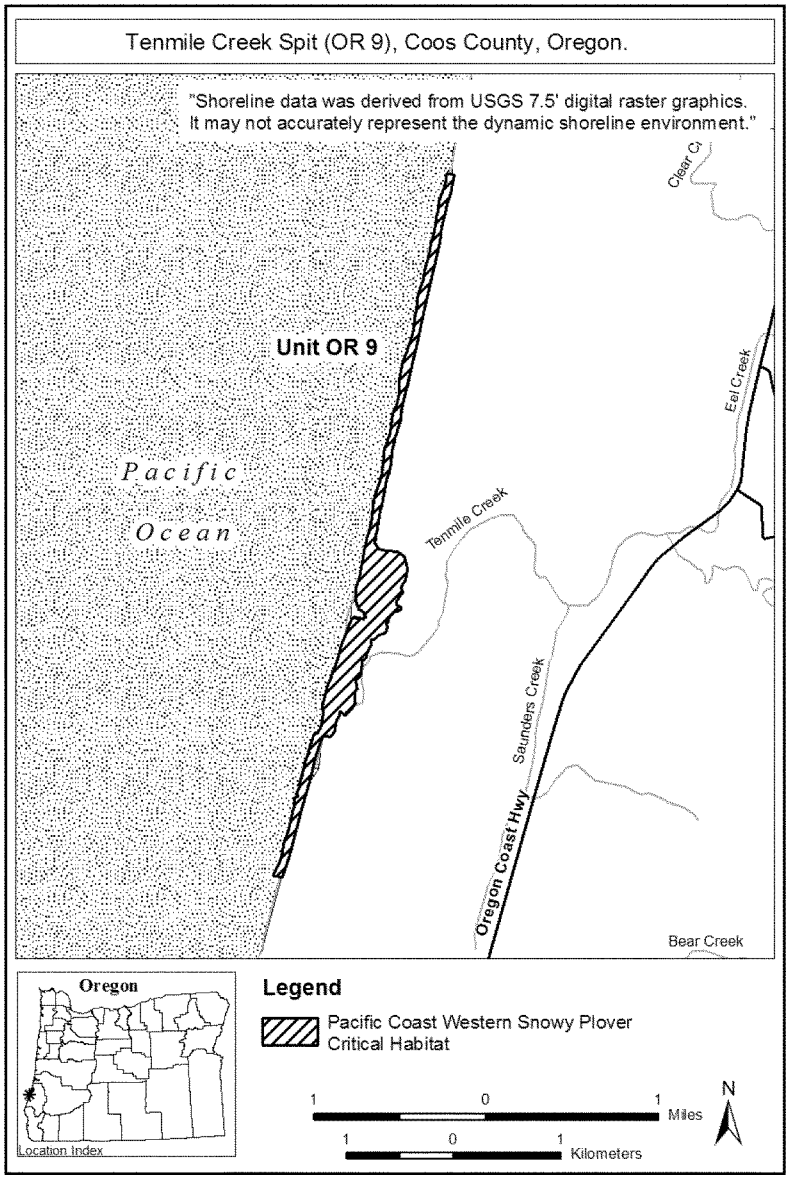
(19) Subunit OR 8B: Siltcoos River Spit, Douglas and Lane Counties, Oregon. Map of Subunits OR 8A, OR 8B, and OR 8C is provided at paragraph (18) of this entry.

(20) Subunit OR 8C: Dunes Overlook Tahkenitch Creek Spit, Douglas County, Oregon. Map of Subunits OR 8A, OR 8B, and OR 8C is provided at paragraph (18) of this entry.

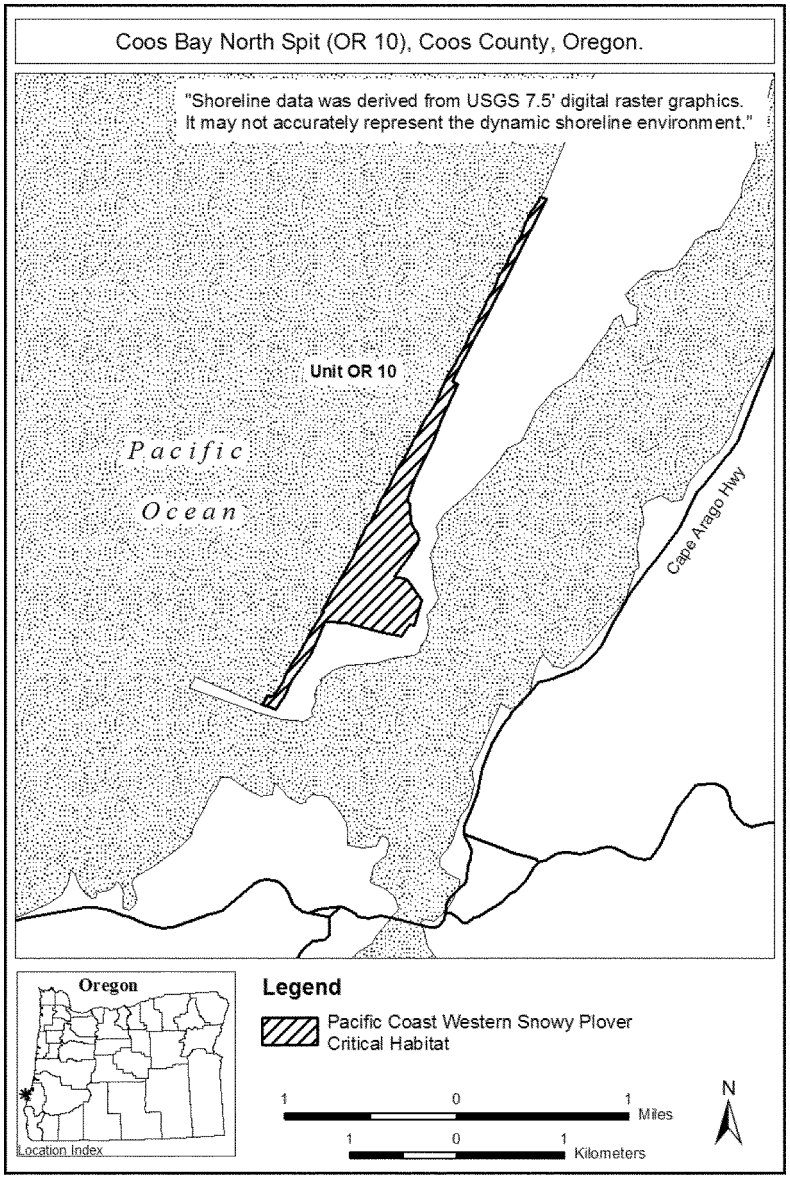
(21) Subunit OR 8D: North Umpqua River Spit, Douglas County, Oregon. Map follows:



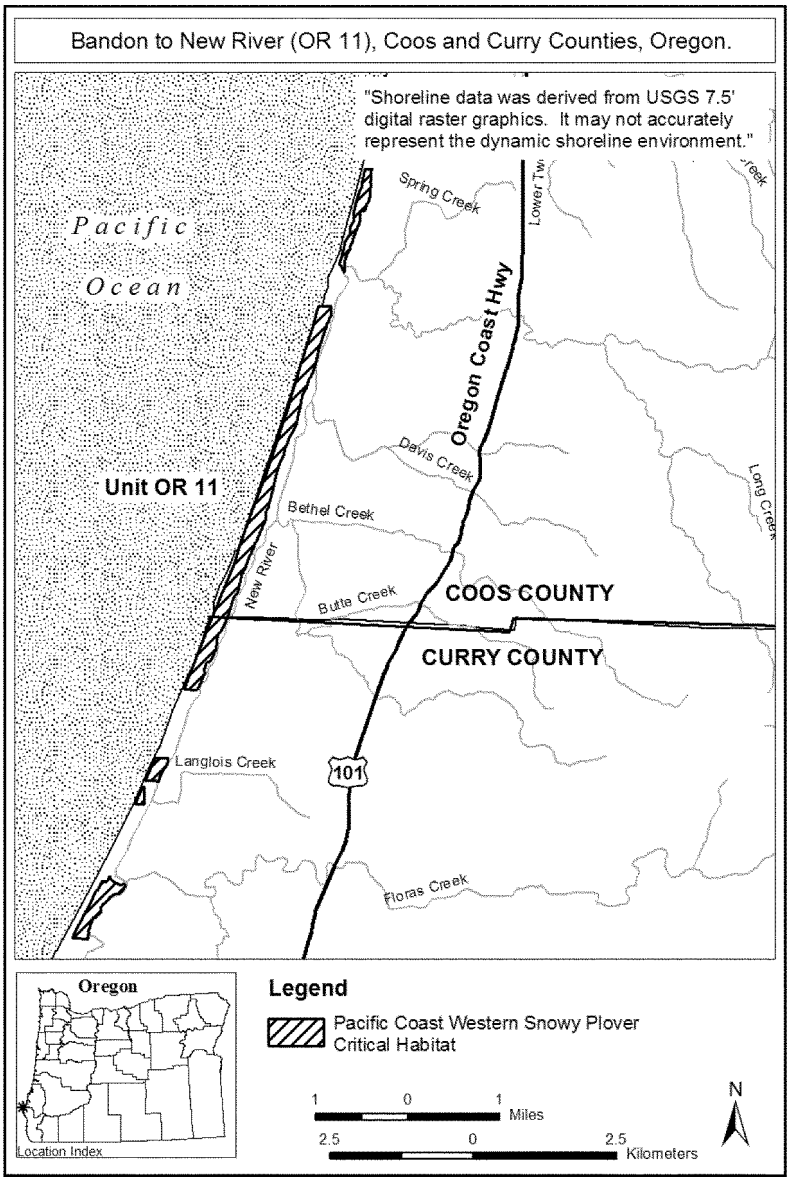
(22) Unit OR 9: Tenmile Creek Spit, Coos County, Oregon. Map follows:



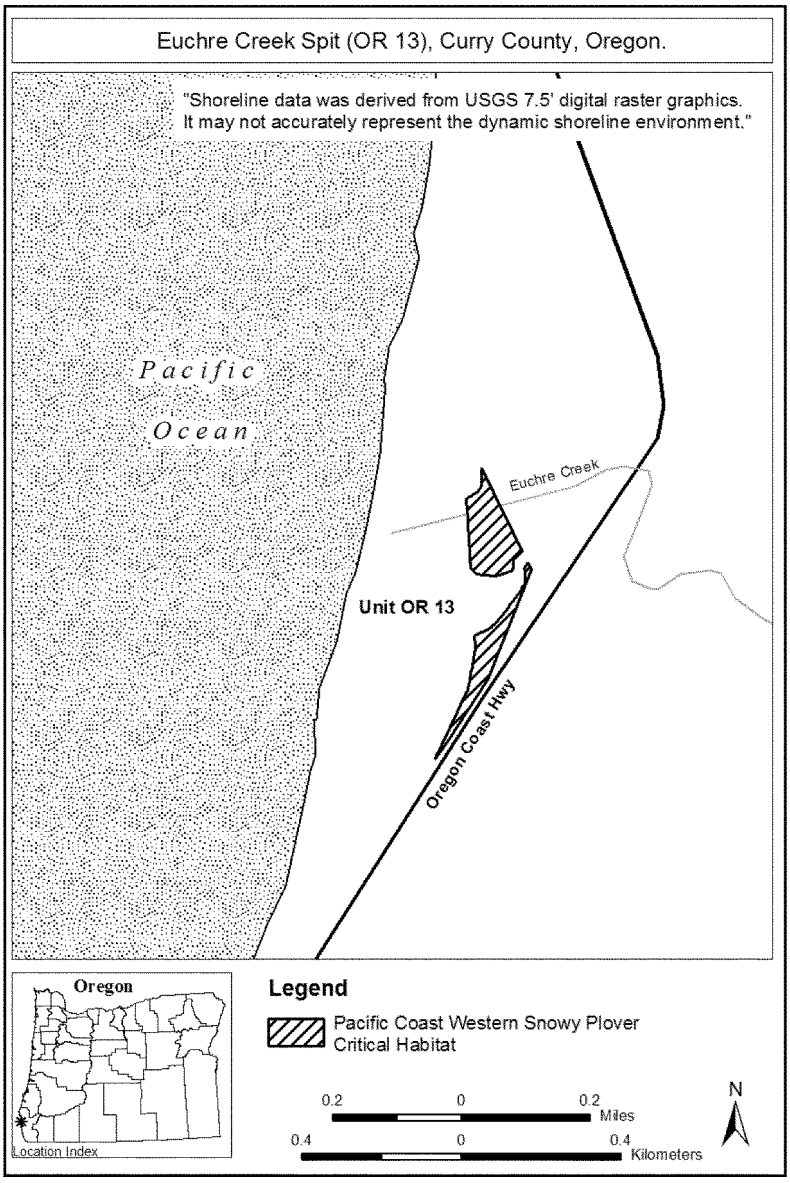
(23) Unit OR 10: Coos Bay North Spit, Coos County, Oregon. Map follows:



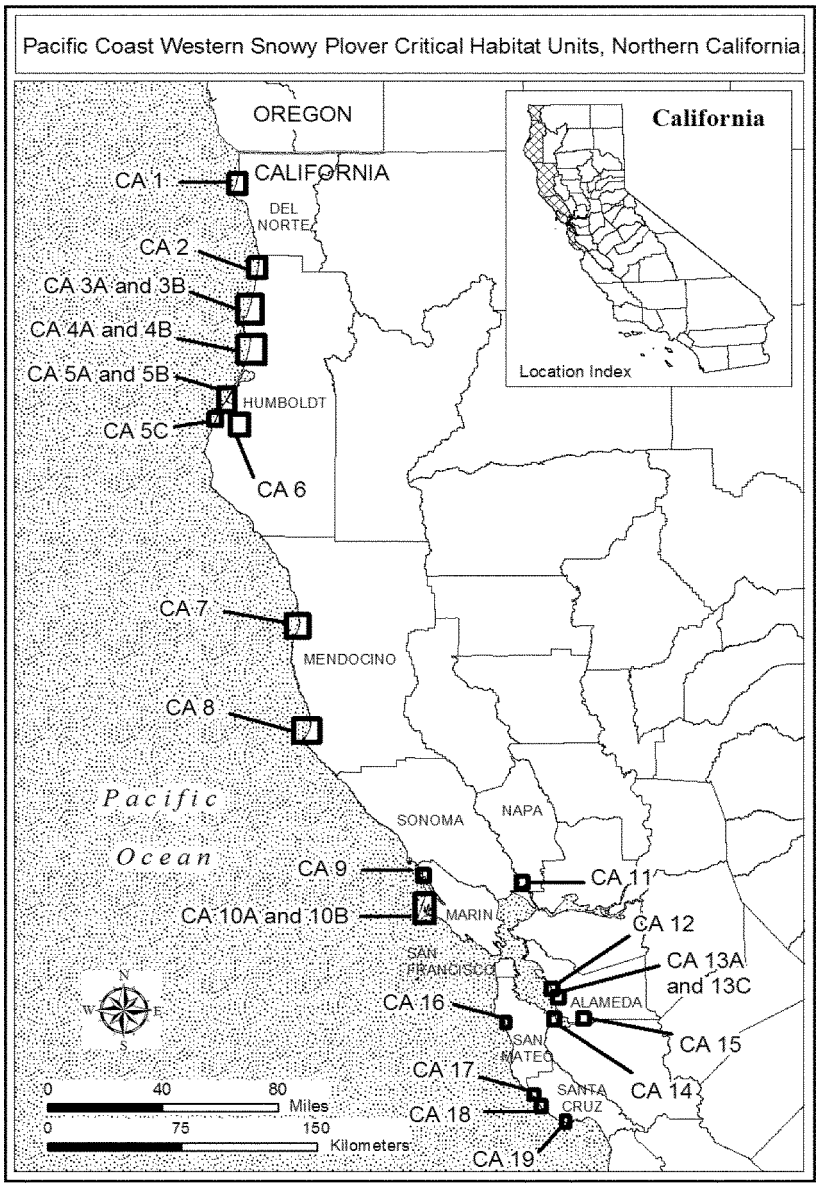
(24) Unit OR 11: Bandon to New River, Coos and Curry Counties, Oregon. Map follows:



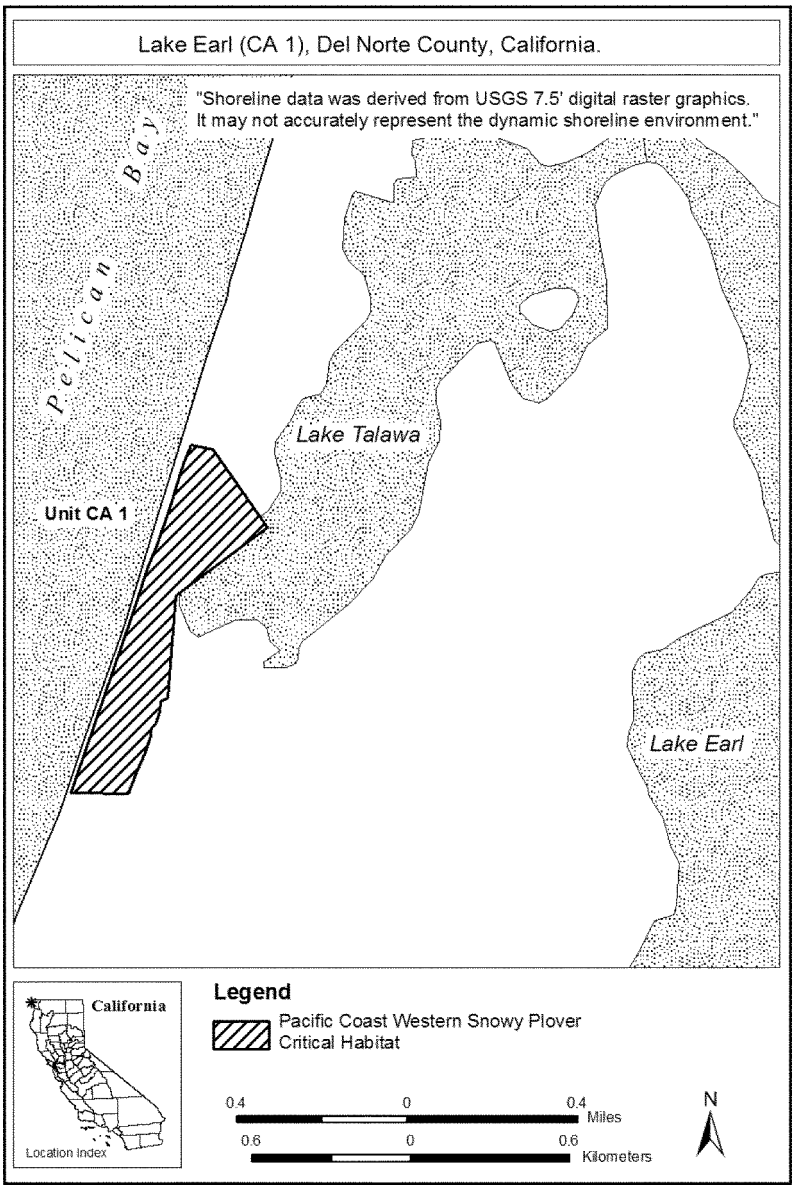
(25) Unit OR 13: Euchre Creek Spit, Curry County, Oregon. Map follows:



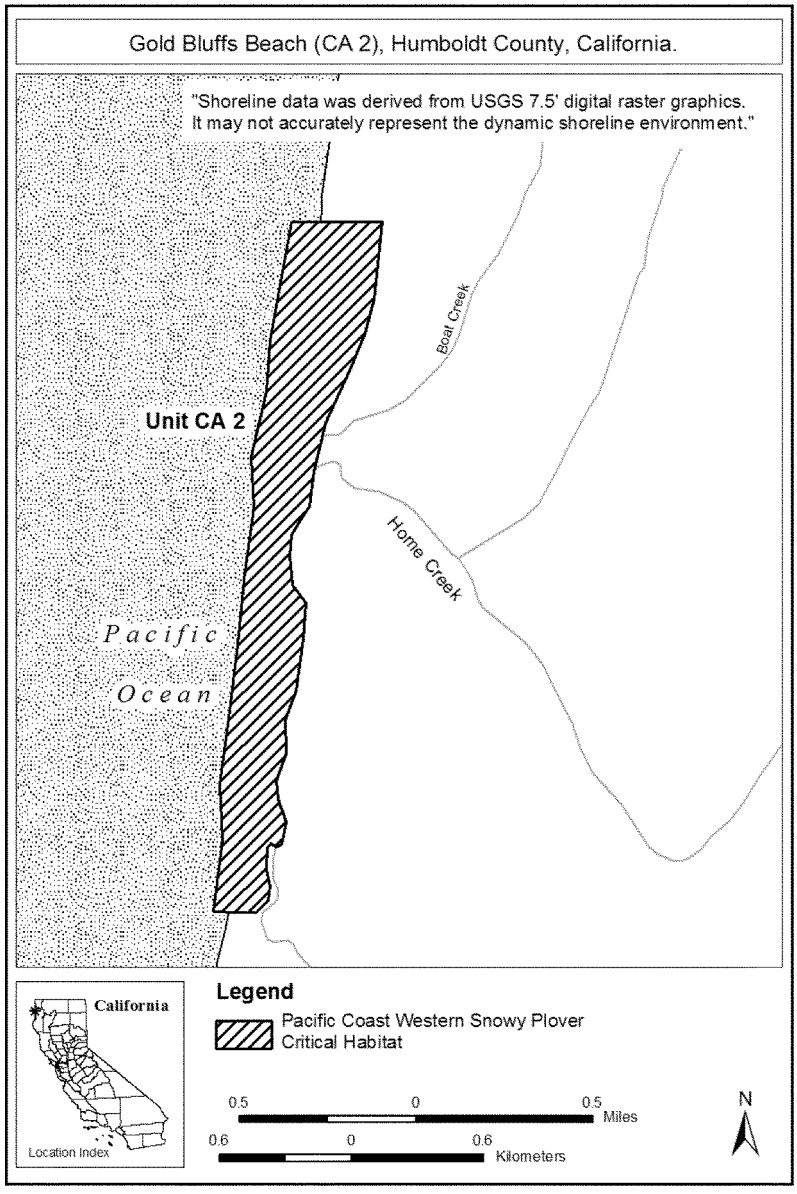
(26) Index map of critical habitat units for the Pacific Coast western snowy plover (*Charadrius nivosus nivosus*) in Northern California follows:



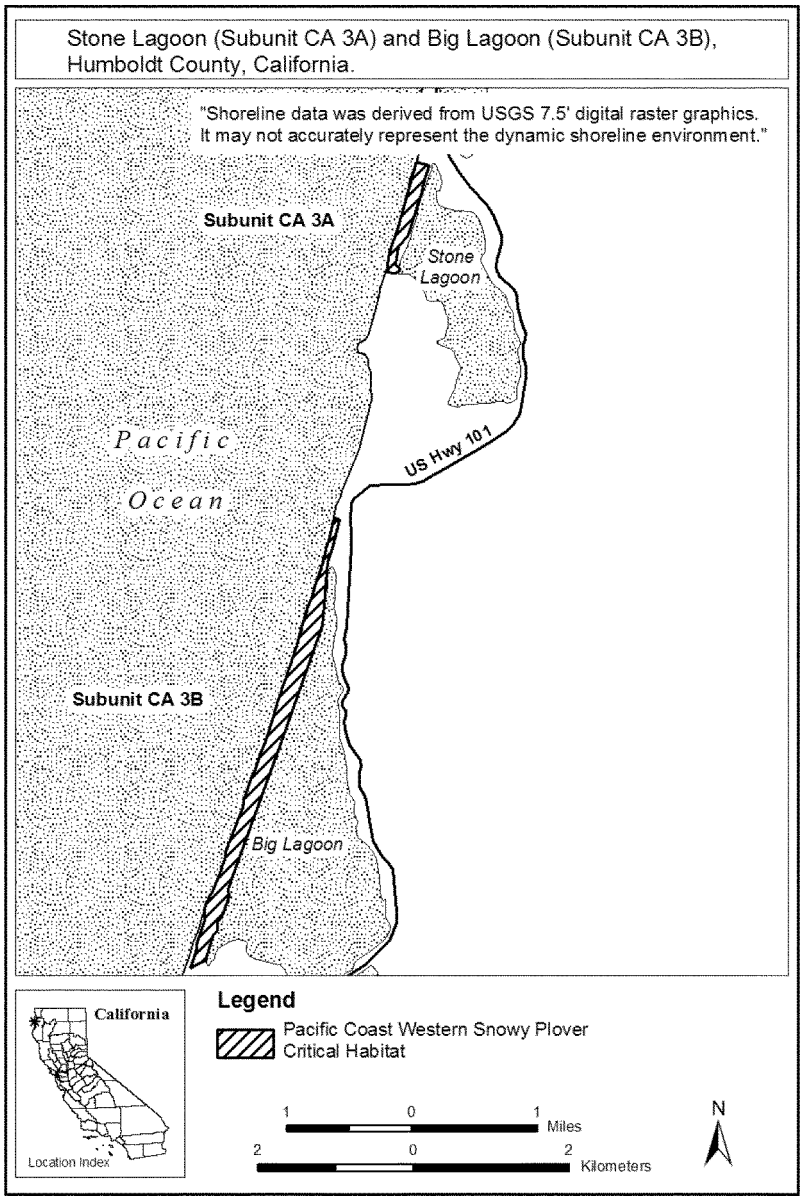
(27) Unit CA 1: Lake Earl, Del Norte County, California. Map follows:



(28) Unit CA 2: Gold Bluffs Beach, Humboldt County, California. Map follows:

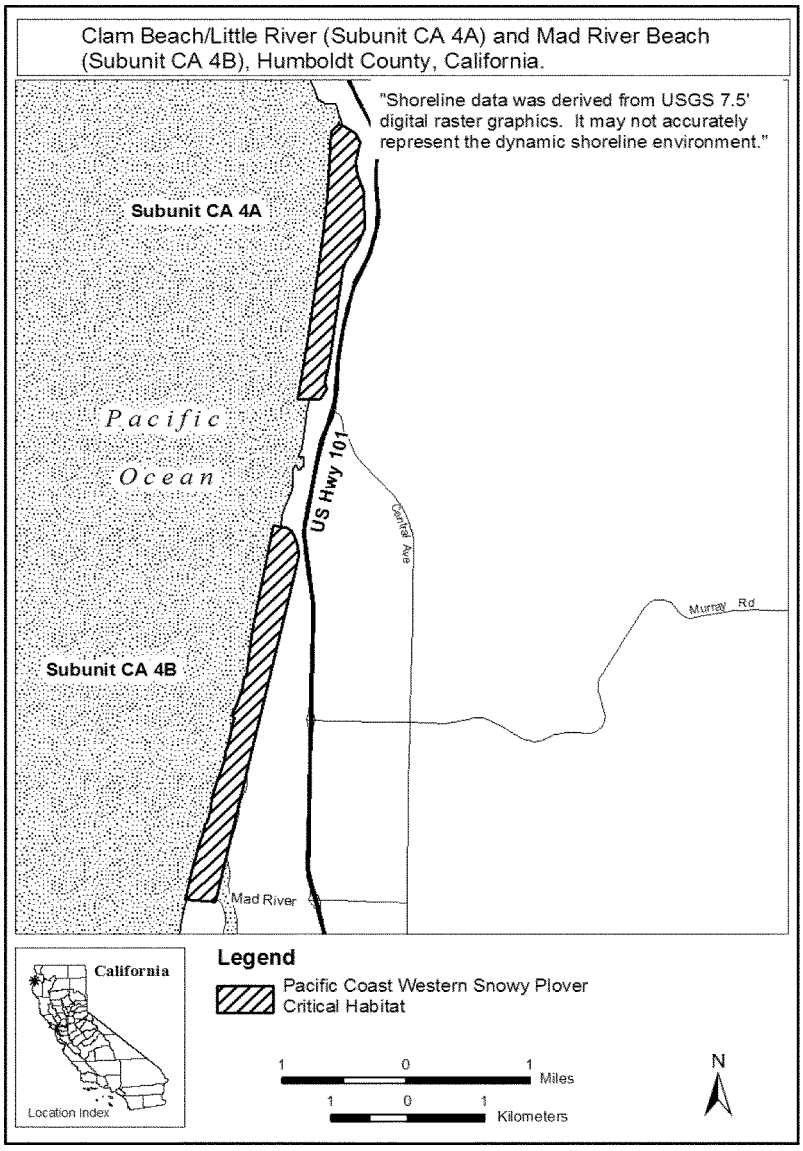


(29) Subunit CA 3A: Stone Lagoon, Humboldt County, California. Map of Subunits CA 3A and CA 3B follows:



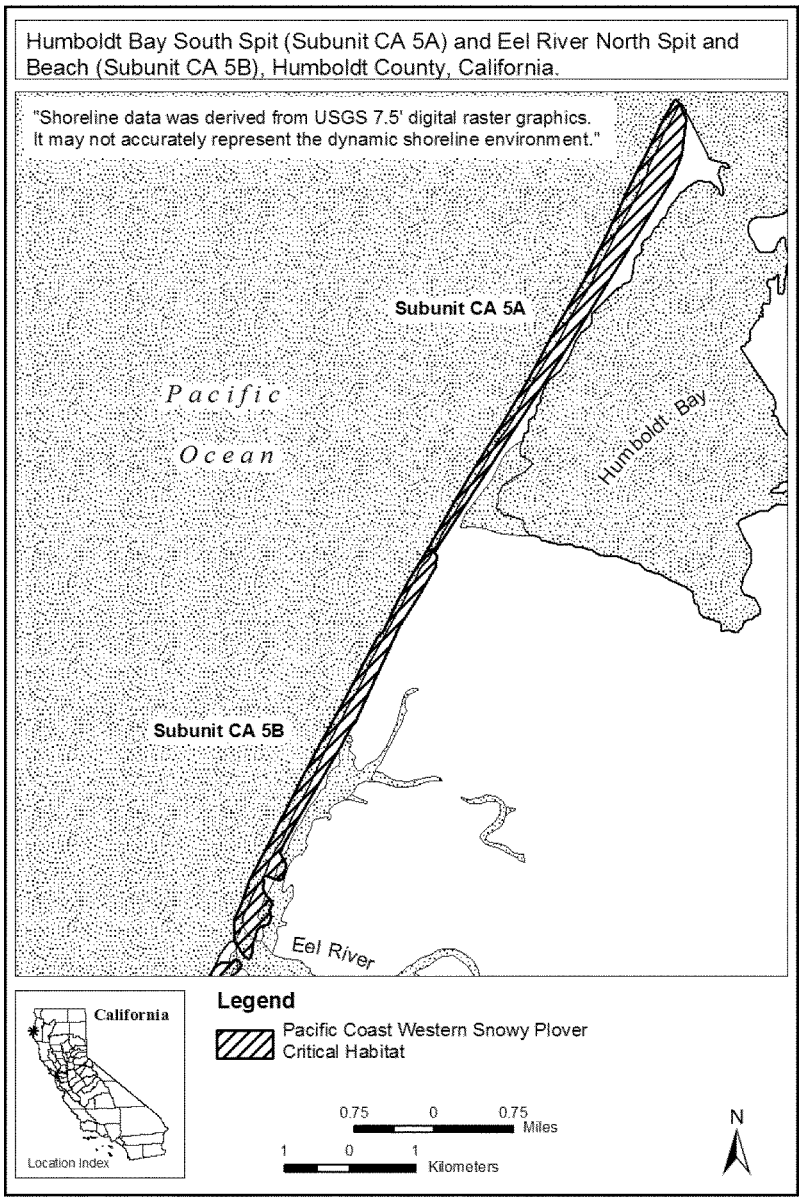
(30) Subunit CA 3B: Big Lagoon, Humboldt County, California. Map of Subunits CA 3A and CA 3B is provided at paragraph 29 of this entry.

(31) Subunit CA 4A: Clam Beach/Little River, Humboldt County, California. Map of Subunits CA 4A and CA 4B follows:



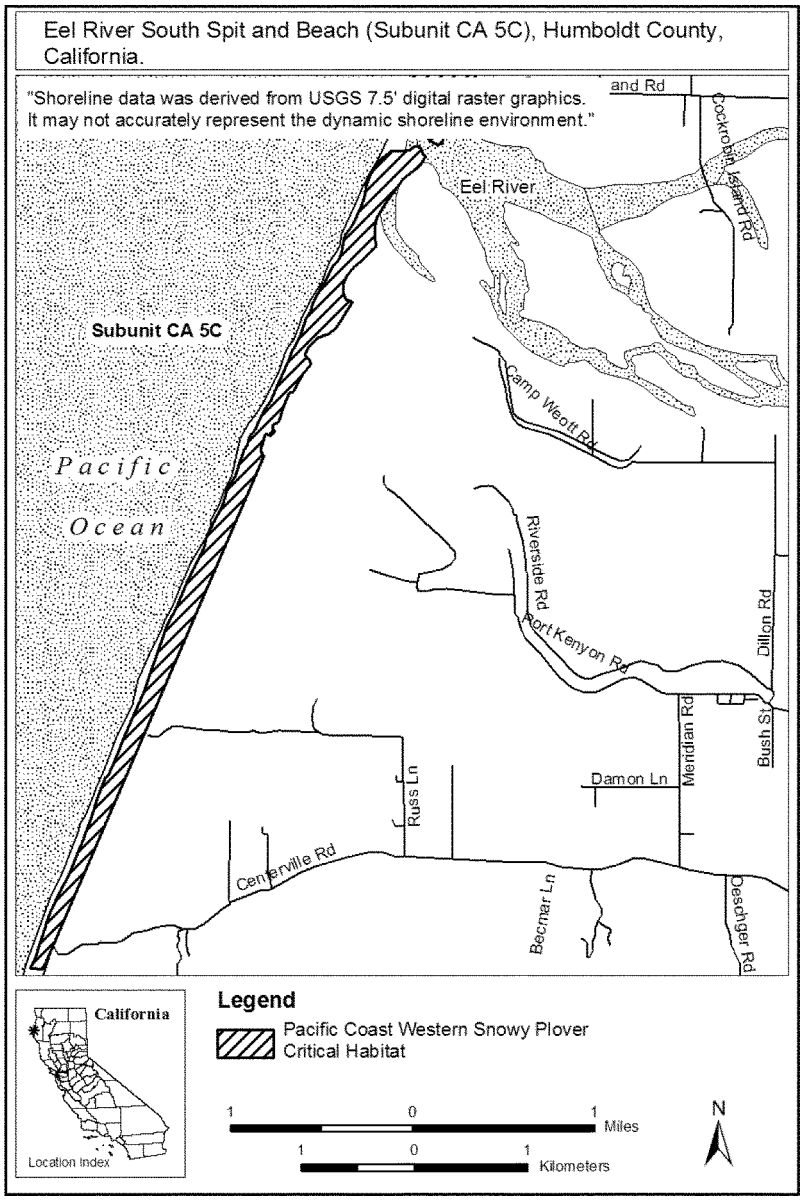
(32) Subunit CA 4B: Mad River Beach, Humboldt County, California. Map of Subunits CA 4A and CA 4B is provided at paragraph 31 of this entry.

(33) Subunit CA 5A: Humboldt Bay South Spit, Humboldt County, California. Map of Subunit CA 5A and CA 5B follows:

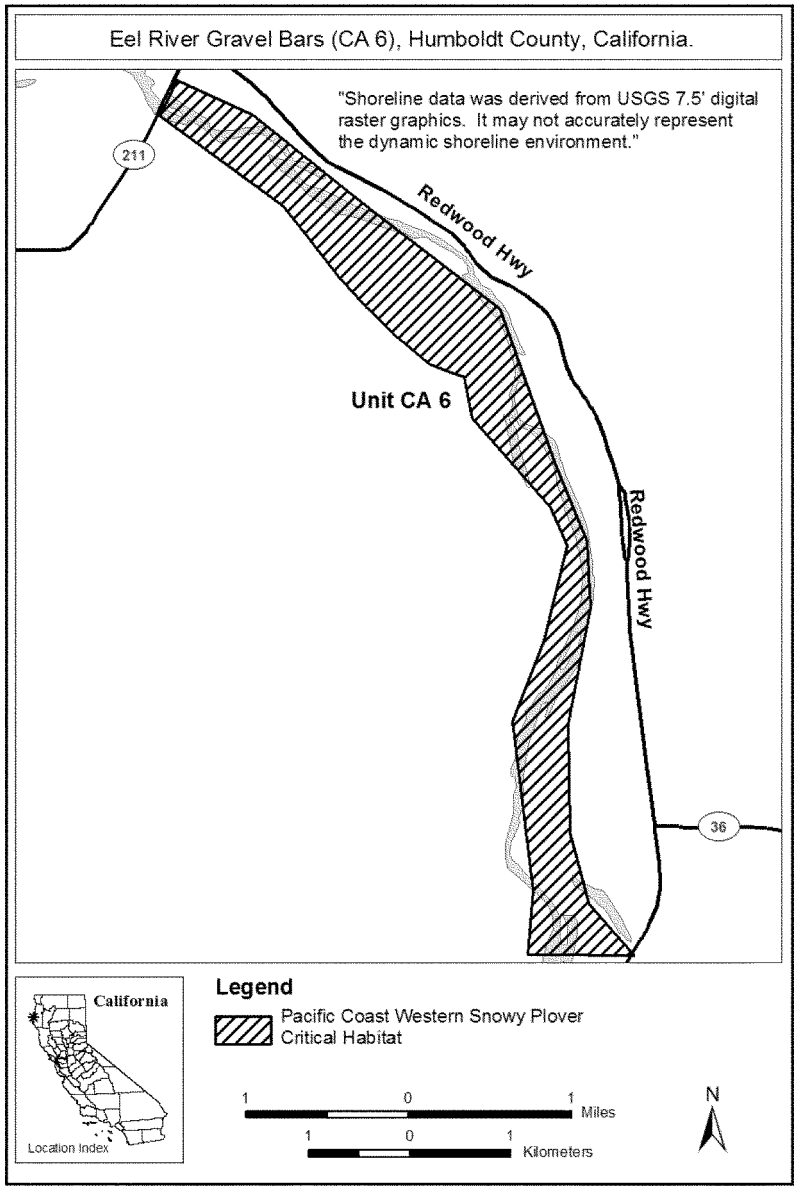


(34) Subunit CA 5B: Eel River North Spit and Beach, Humboldt County, California. Map of Subunits CA 5A and CA 5B is provided at paragraph 33 of this entry.

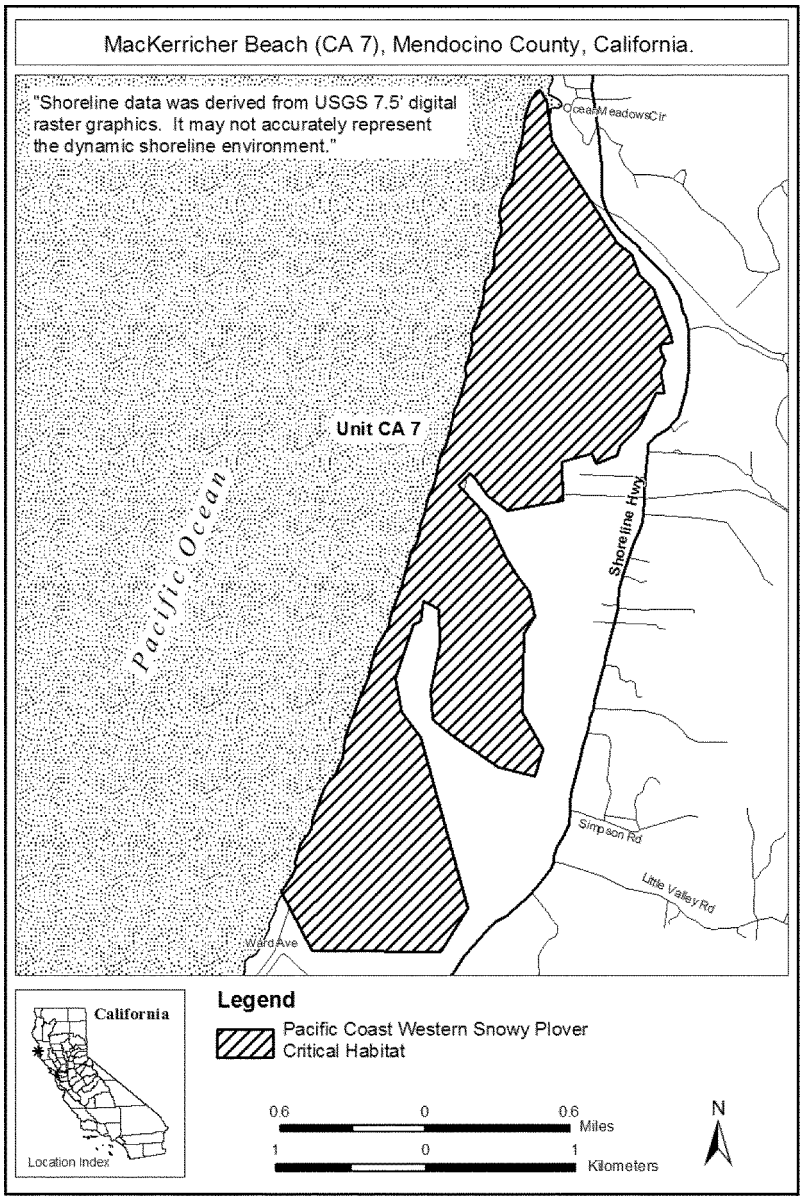
(35) Subunit CA 5C: Eel River South Spit and Beach, Humboldt County, California. Map follows:



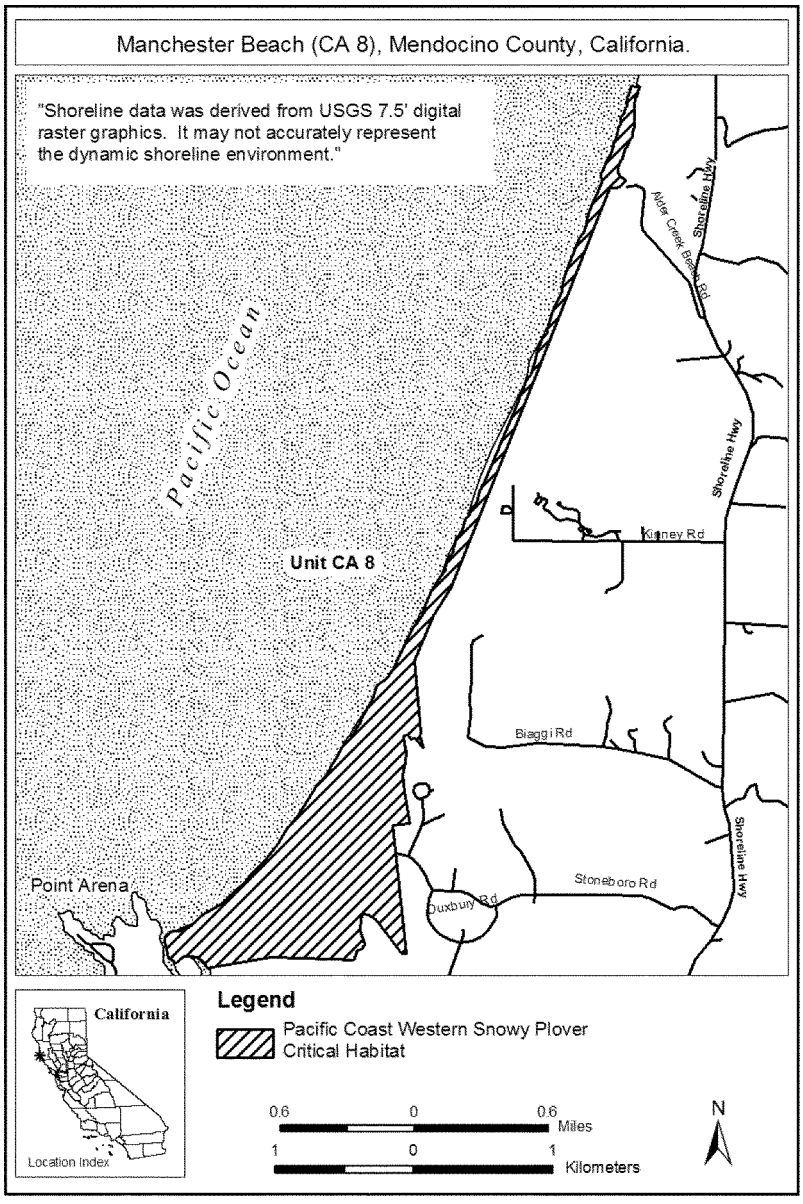
(36) Unit CA 6: Eel River Gravel Bars, Humboldt County, California. Map follows:



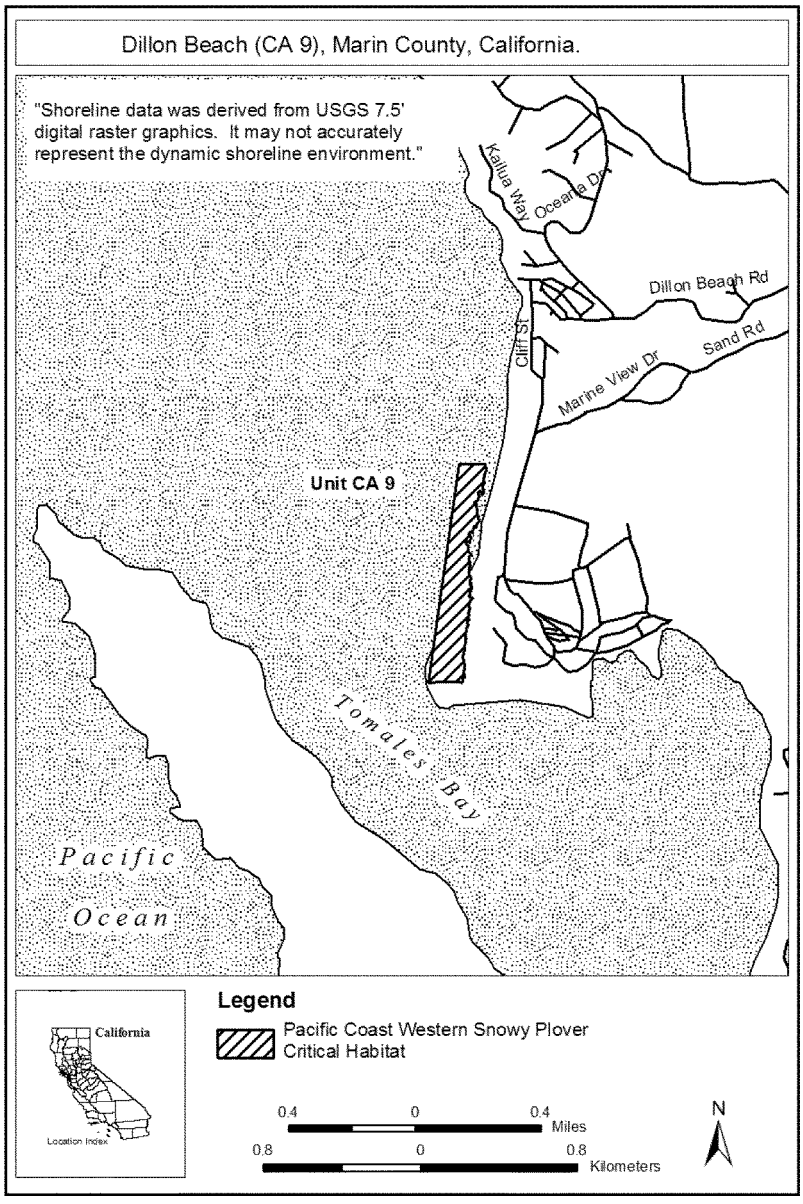
(37) Unit CA 7: MacKerricher Beach, Mendocino County, California. Map follows:



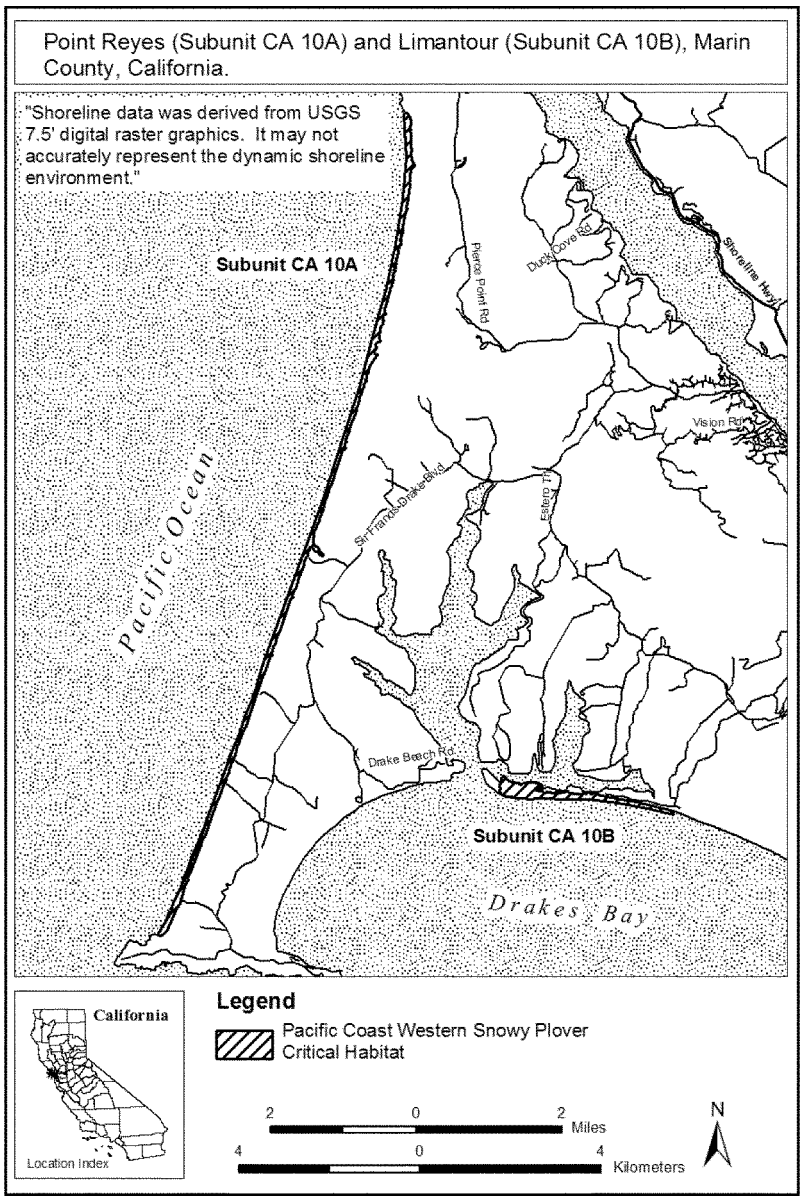
(38) Unit CA 8: Manchester Beach, Mendocino County, California. Map follows:



(39) Unit CA 9: Dillon Beach, Marin County, California. Map follows:

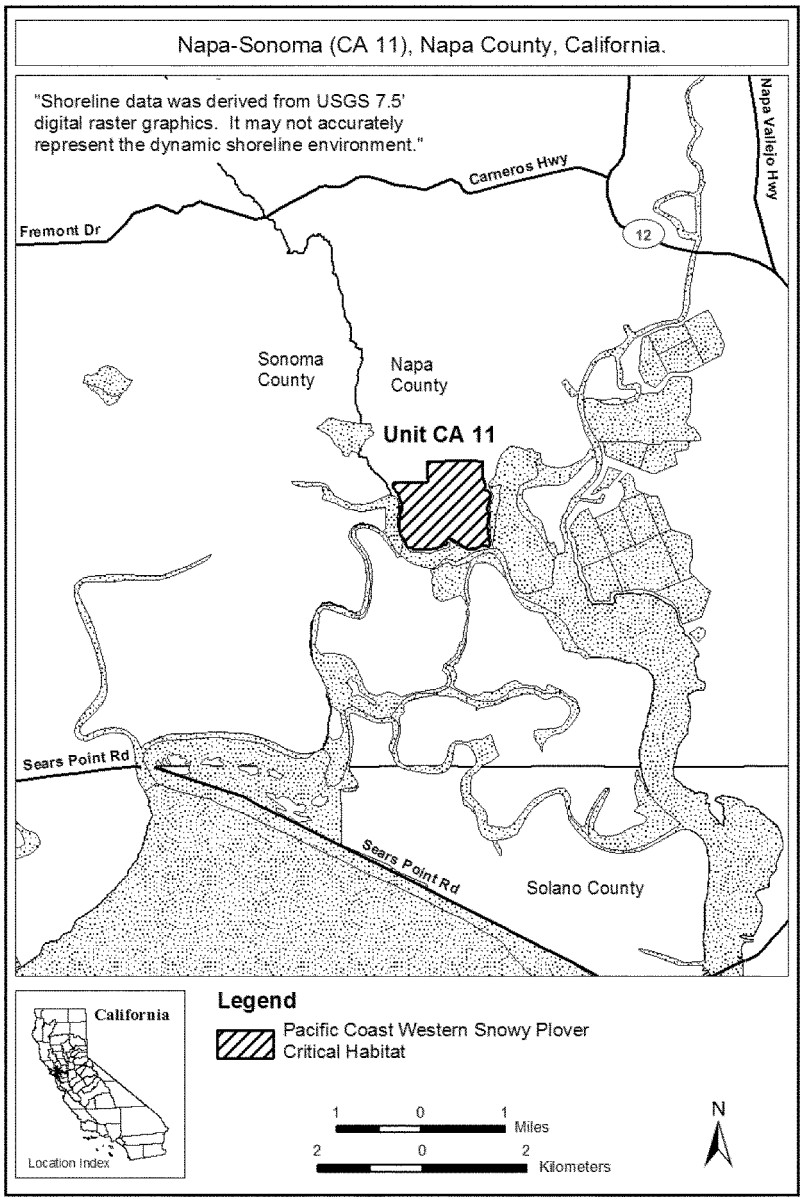


(40) Subunit CA 10A: Point Reyes, Marin County, California. Map of Subunits CA 10A and CA 10B follows:

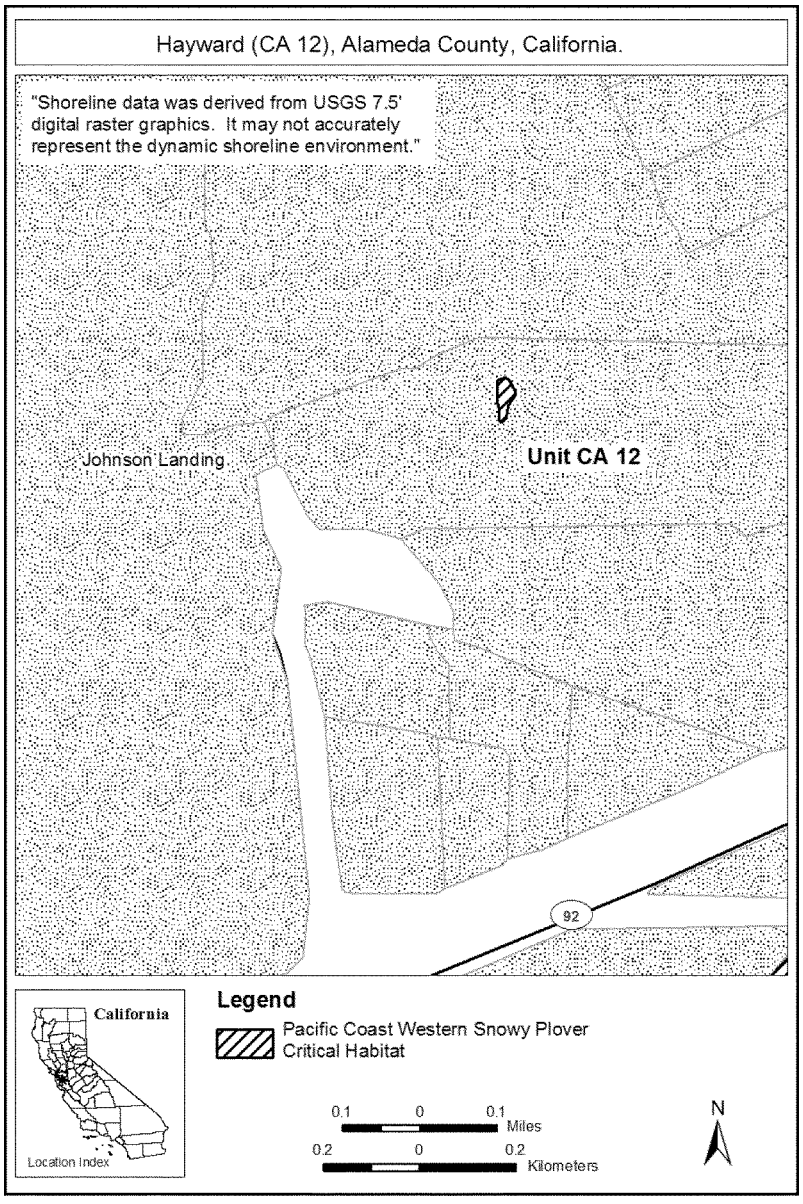


(41) Subunit CA 10B: Limantour, Marin County, California. Map of Subunits CA 10A and CA 10B is provided at paragraph 40 of this entry.

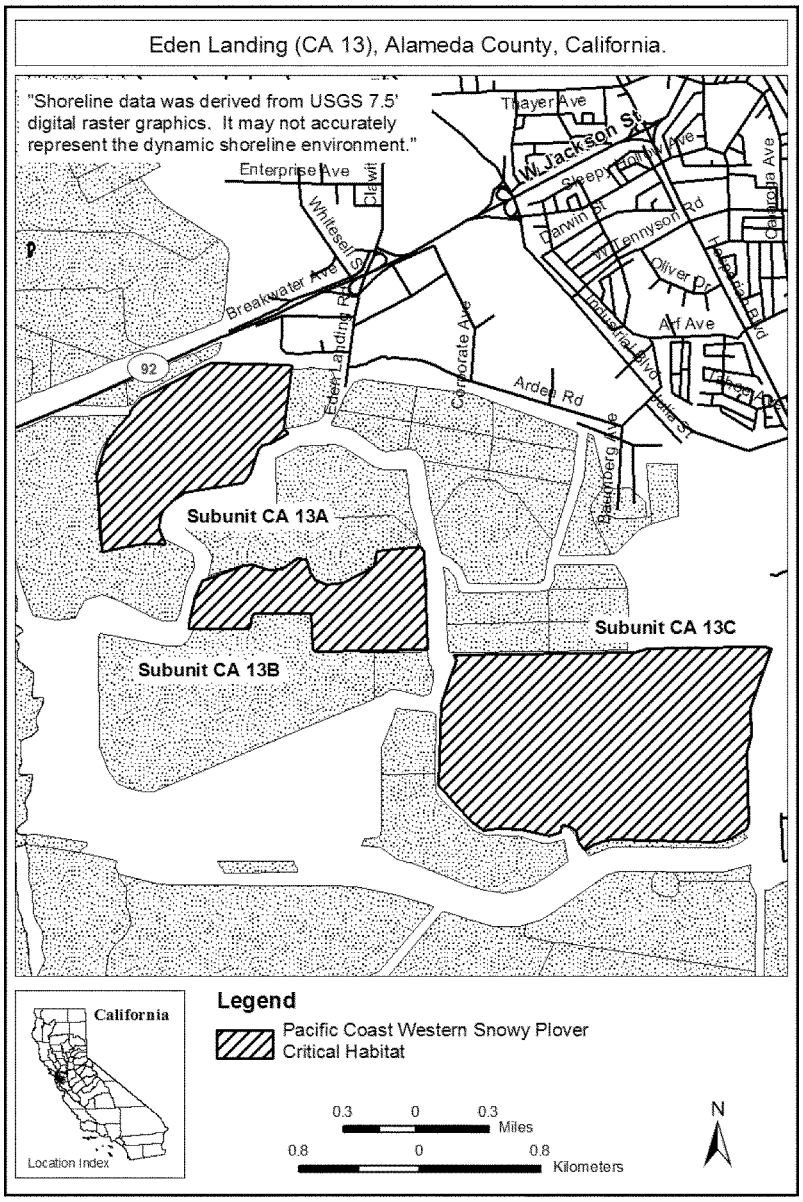
(42) Unit CA 11: Napa-Sonoma, Napa County, California. Map follows:



(43) Unit CA 12: Hayward, Alameda County, California. Map follows:



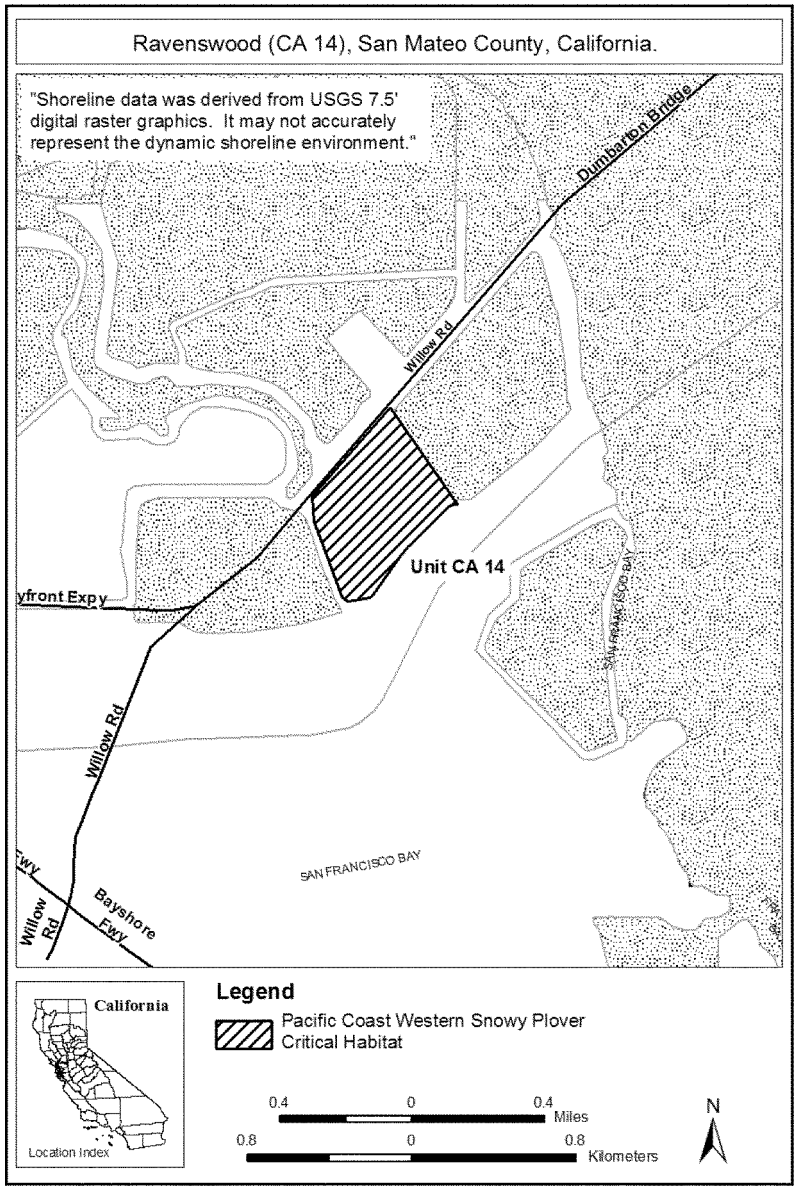
(44) Subunit CA 13A: Eden Landing, Alameda County, California. Map of Subunits CA 13A, CA 13B, and CA 13C follows:



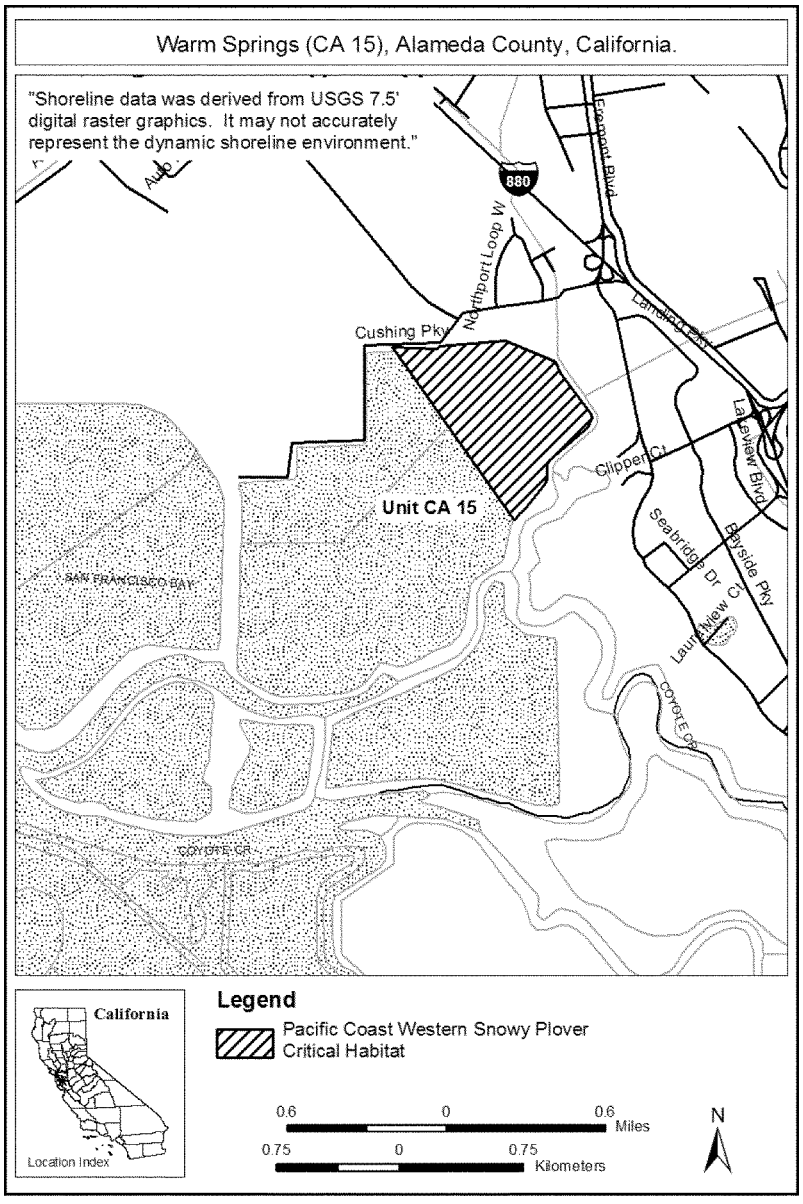
(45) Subunit CA 13B: Eden Landing, Alameda County, California. Map of Subunits CA 13A, CA 13B, and CA 13C is provided at paragraph 44 of this entry.

(46) Subunit CA 13C: Eden Landing, Alameda County, California. Map of Subunits CA 13A, CA 13B, and CA 13C is provided at paragraph 44 of this entry.

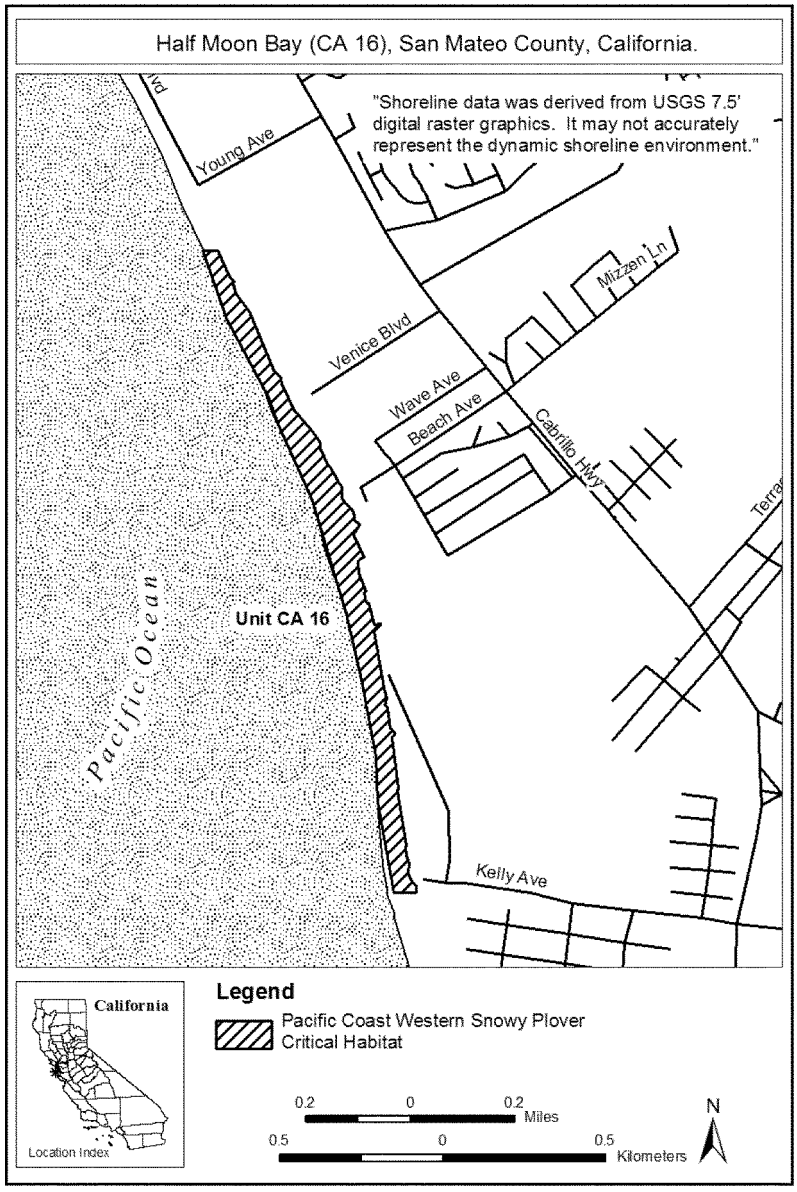
(47) Unit CA 14: Ravenswood, San Mateo County, California. Map follows:



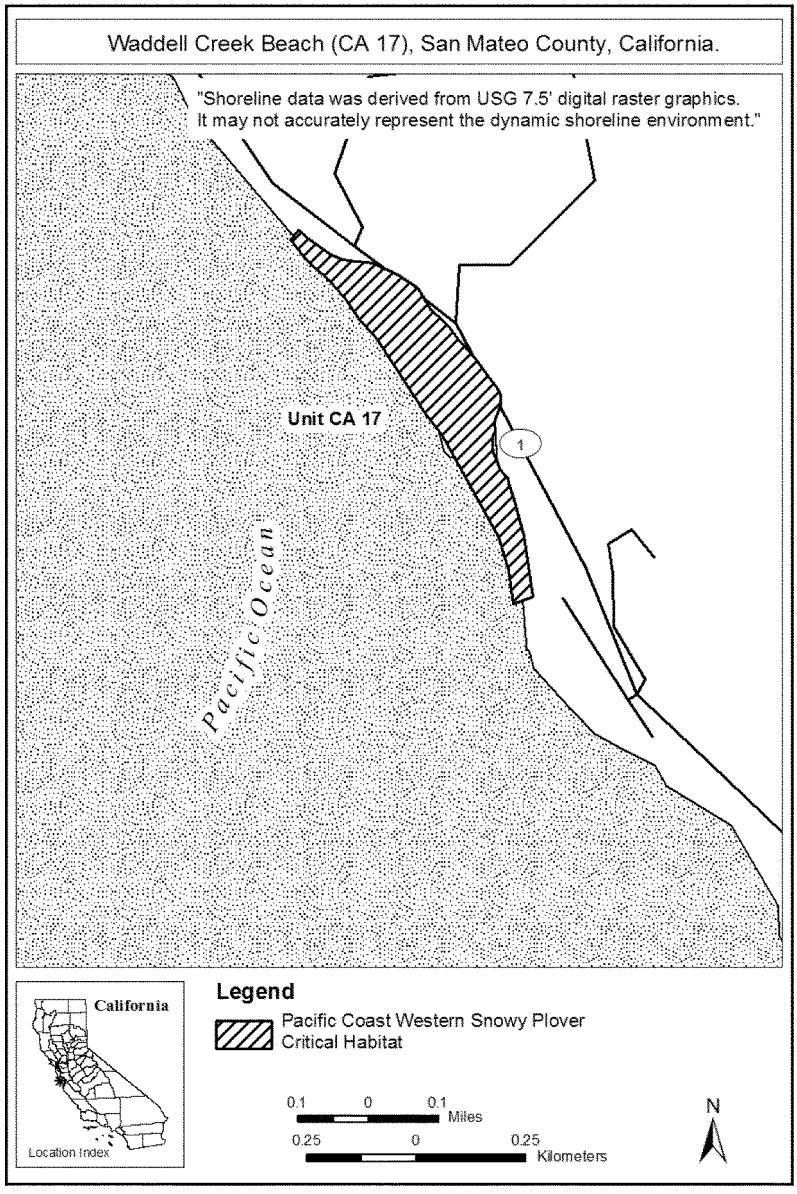
(48) Unit CA 15: Warm Springs, Alameda County, California. Map follows:



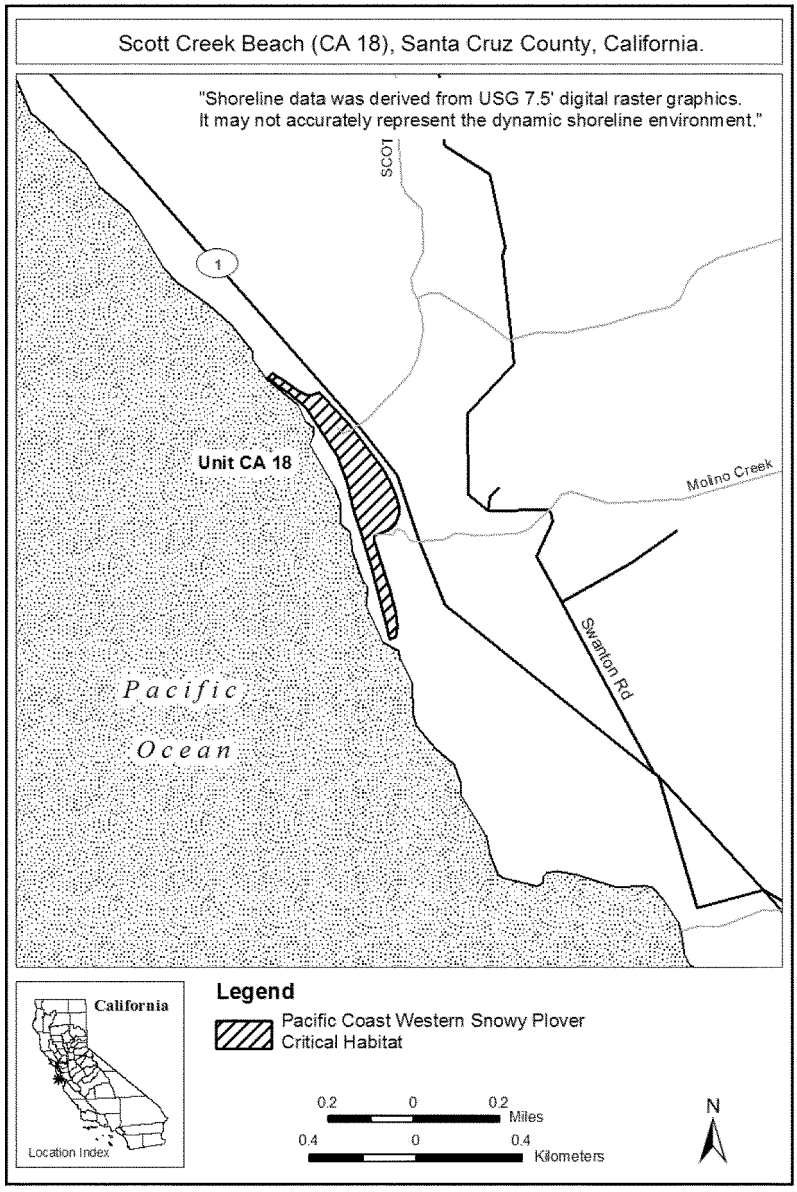
(49) Unit CA 16: Half Moon Bay, San Mateo County, California. Map follows:



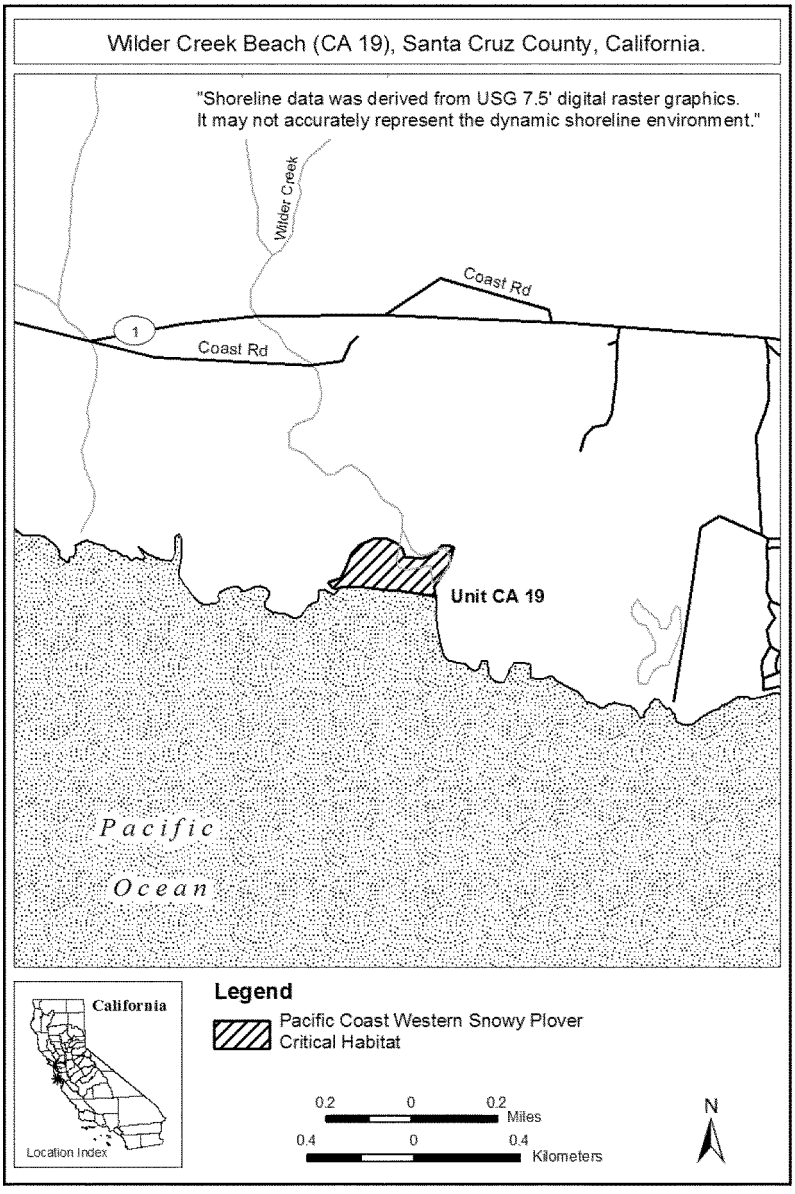
(50) Unit CA 17: Waddell Creek Beach, Santa Cruz County, California. Map follows:



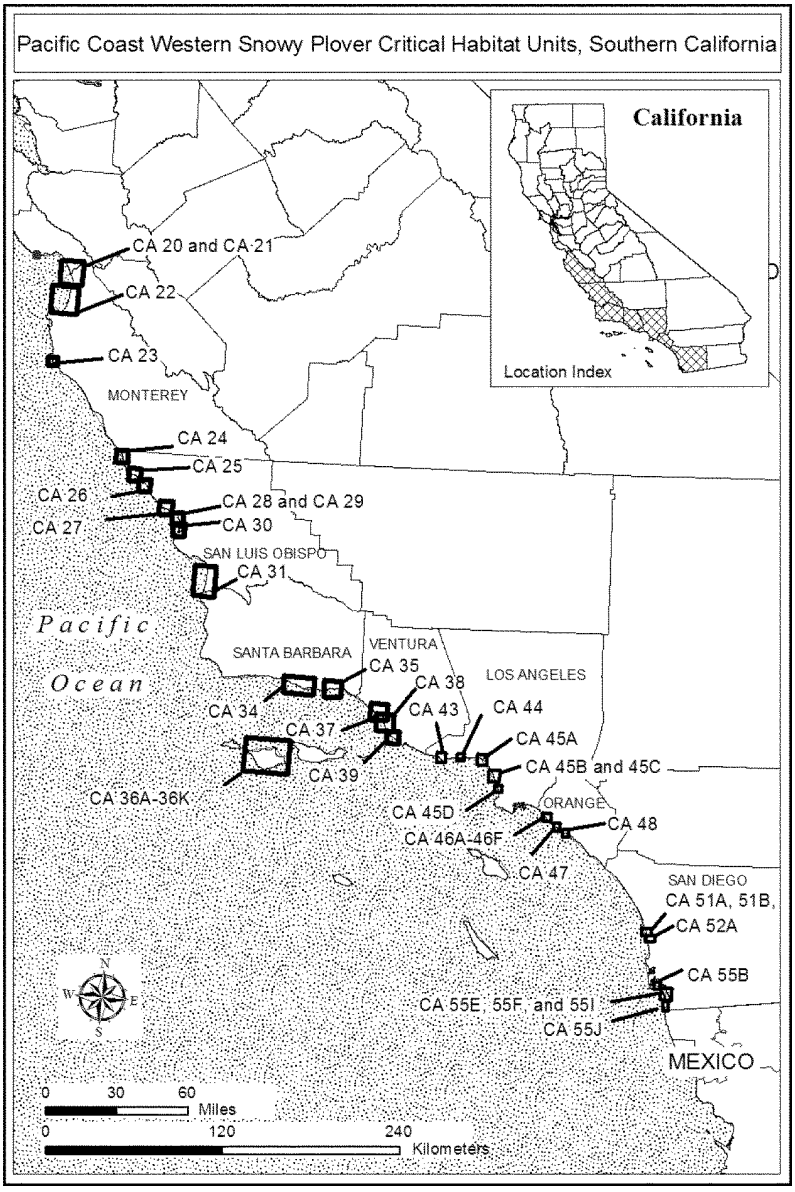
(51) Unit CA 18: Scott Creek Beach, Santa Cruz County, California. Map follows:



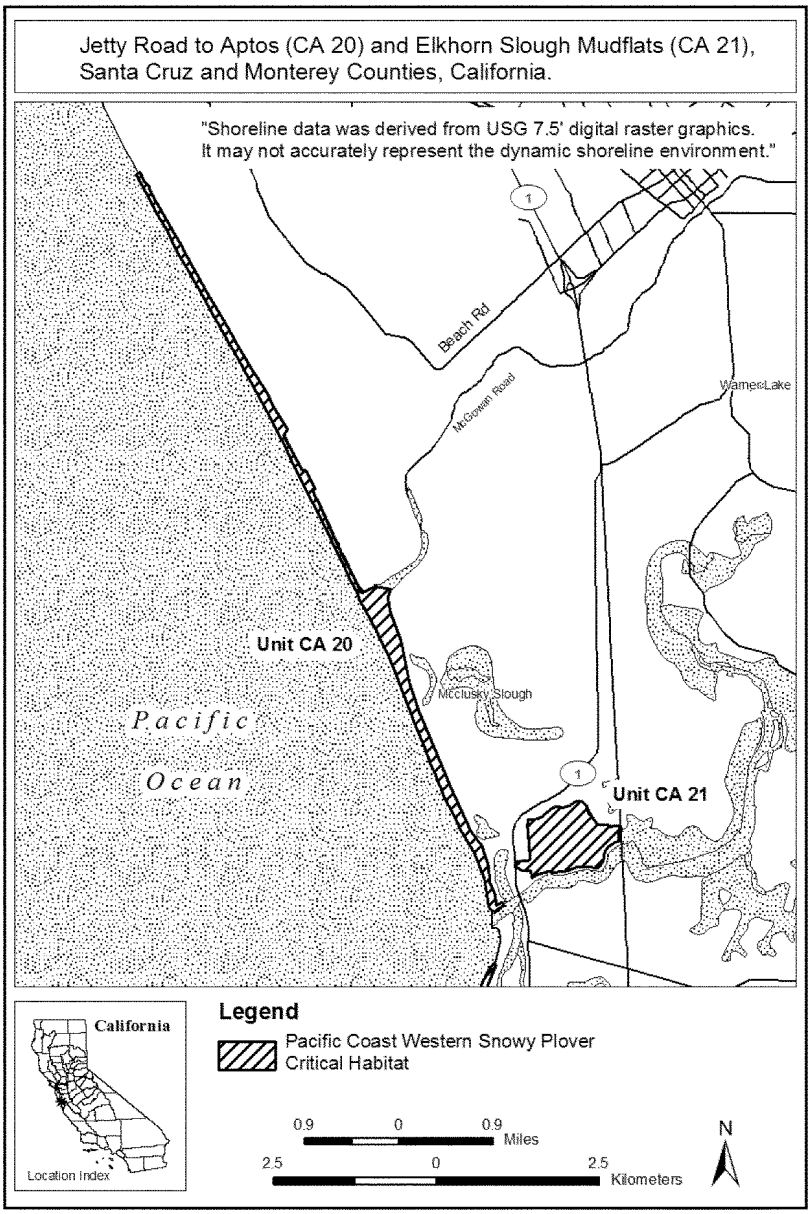
(52) Unit CA 19: Wilder Creek Beach, Santa Cruz County, California. Map follows:



(53) Index map of critical habitat units for the Pacific Coast western snowy plover (*Charadrius nivosus nivosus*) in Southern California follows:

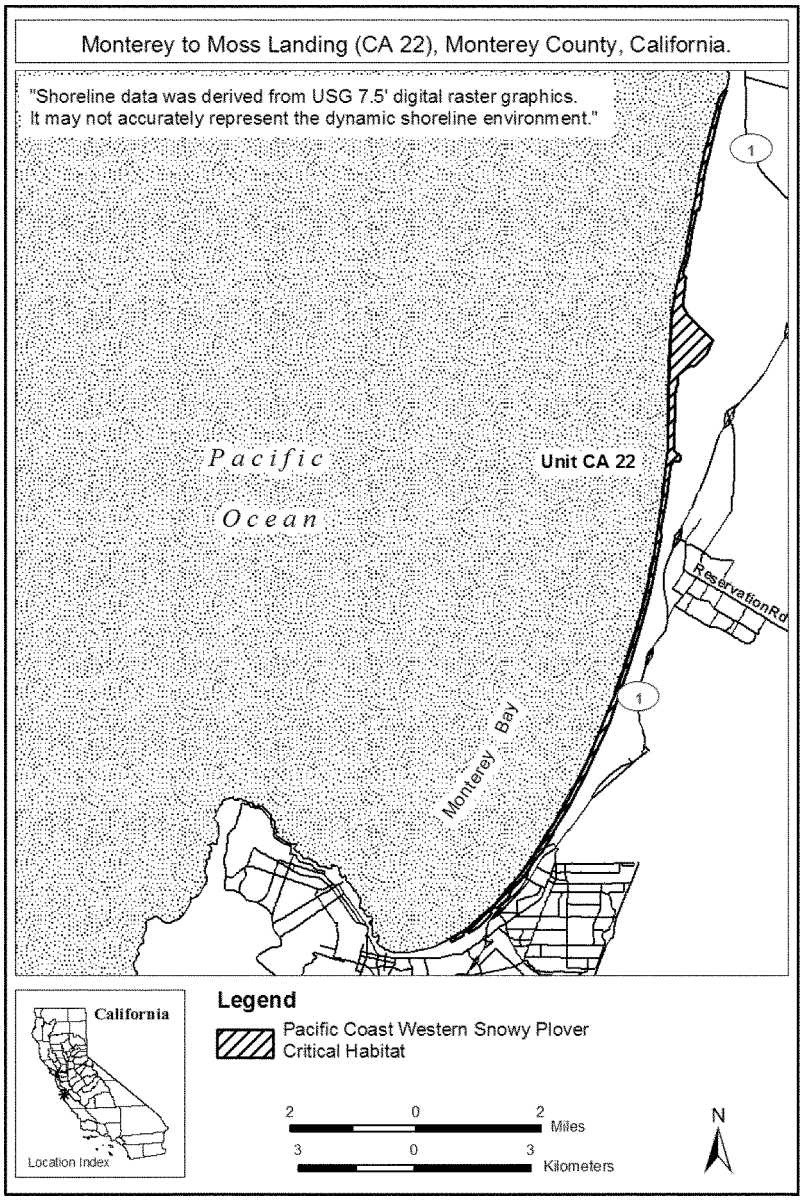


(54) Unit CA 20: Jetty Road to Aptos, Santa Cruz and Monterey Counties, California. Map of Units CA 20 and CA 21 follows:

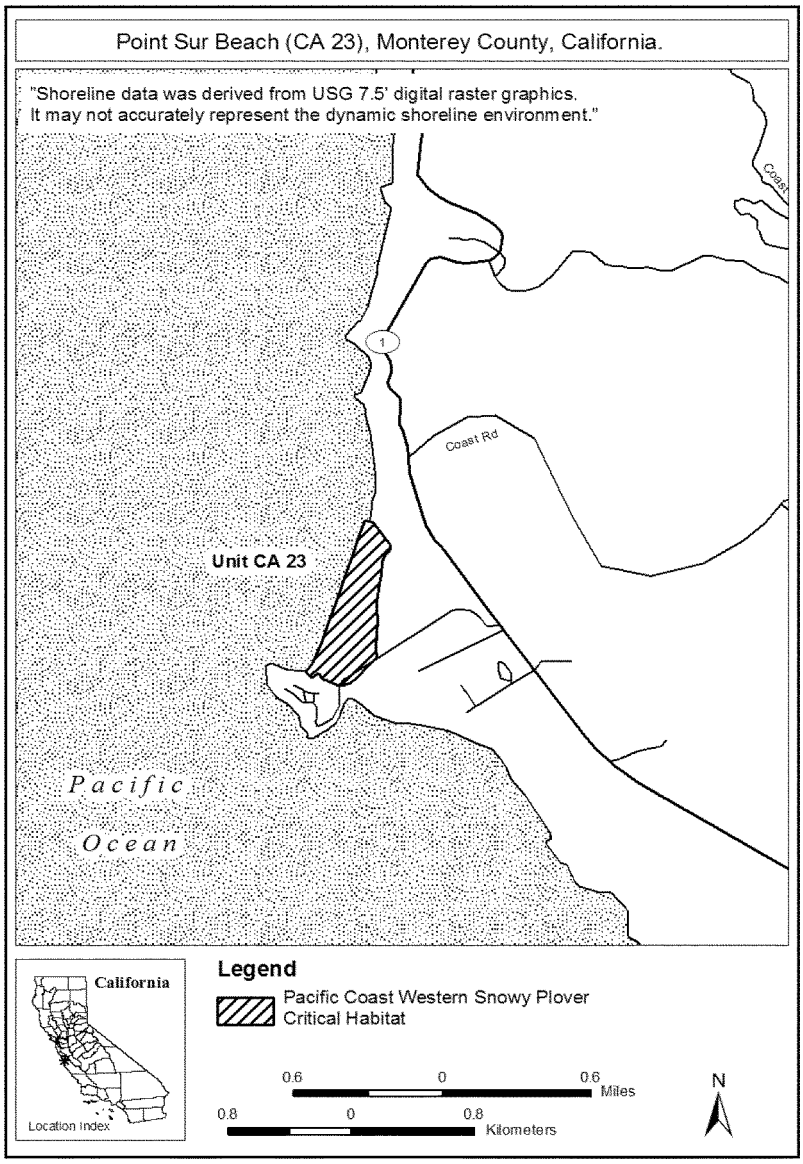


(55) Unit CA 21: Elkhorn Slough Mudflats, Monterey County, California. Map of Units CA 20 and CA 21 is provided at paragraph 54.

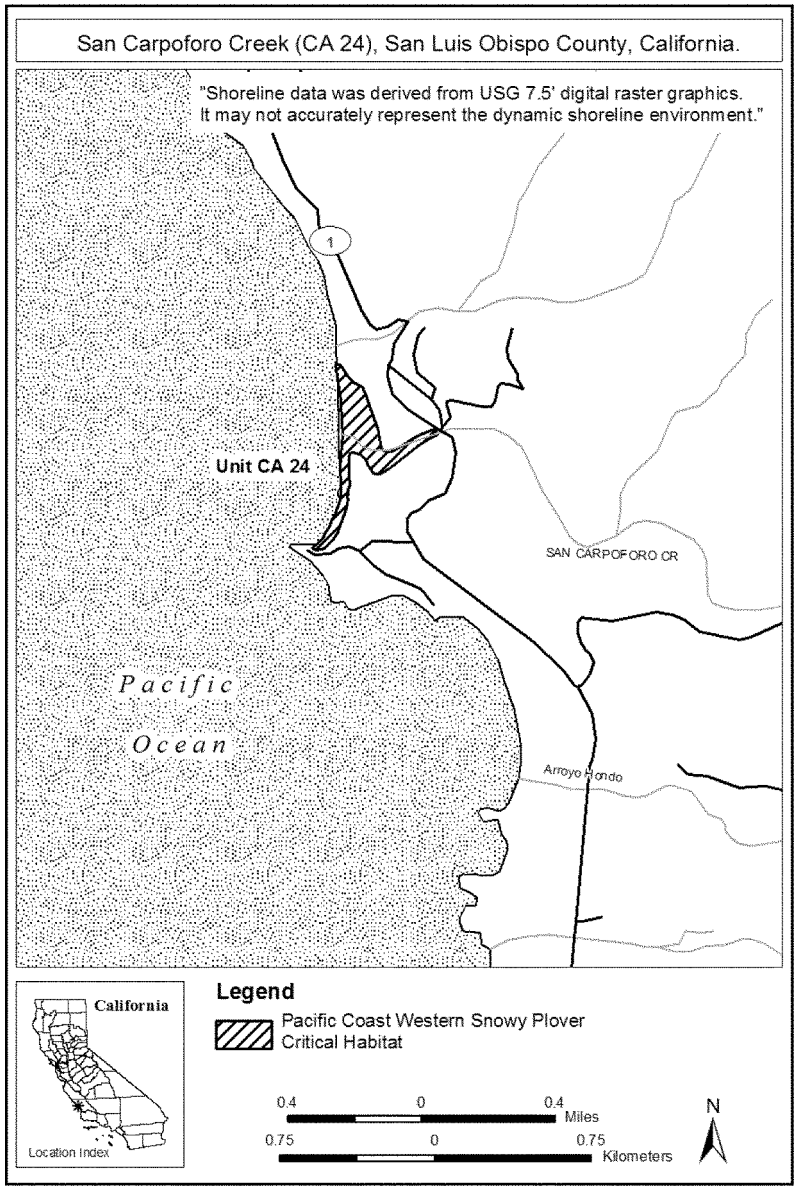
(56) Unit CA 22: Monterey to Moss Landing, Monterey County, California. Map follows:



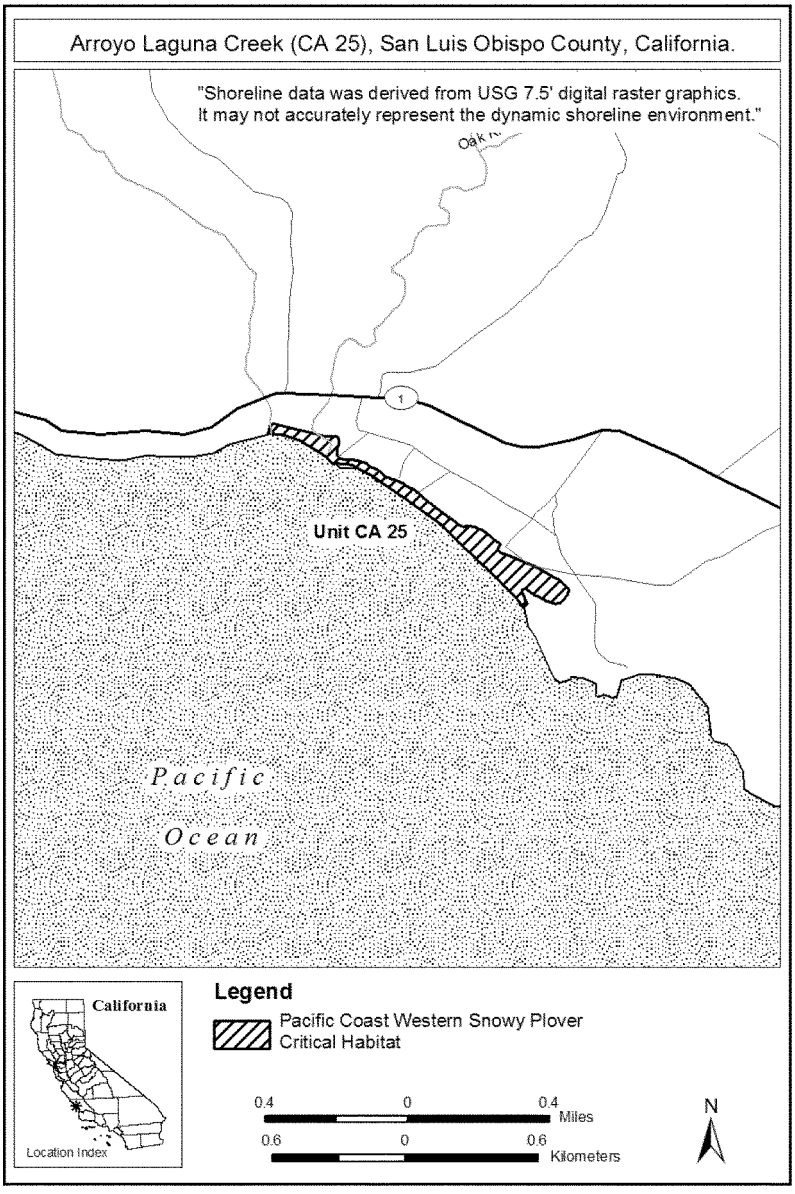
(57) Unit CA 23: Point Sur Beach, Monterey County, California. Map follows:



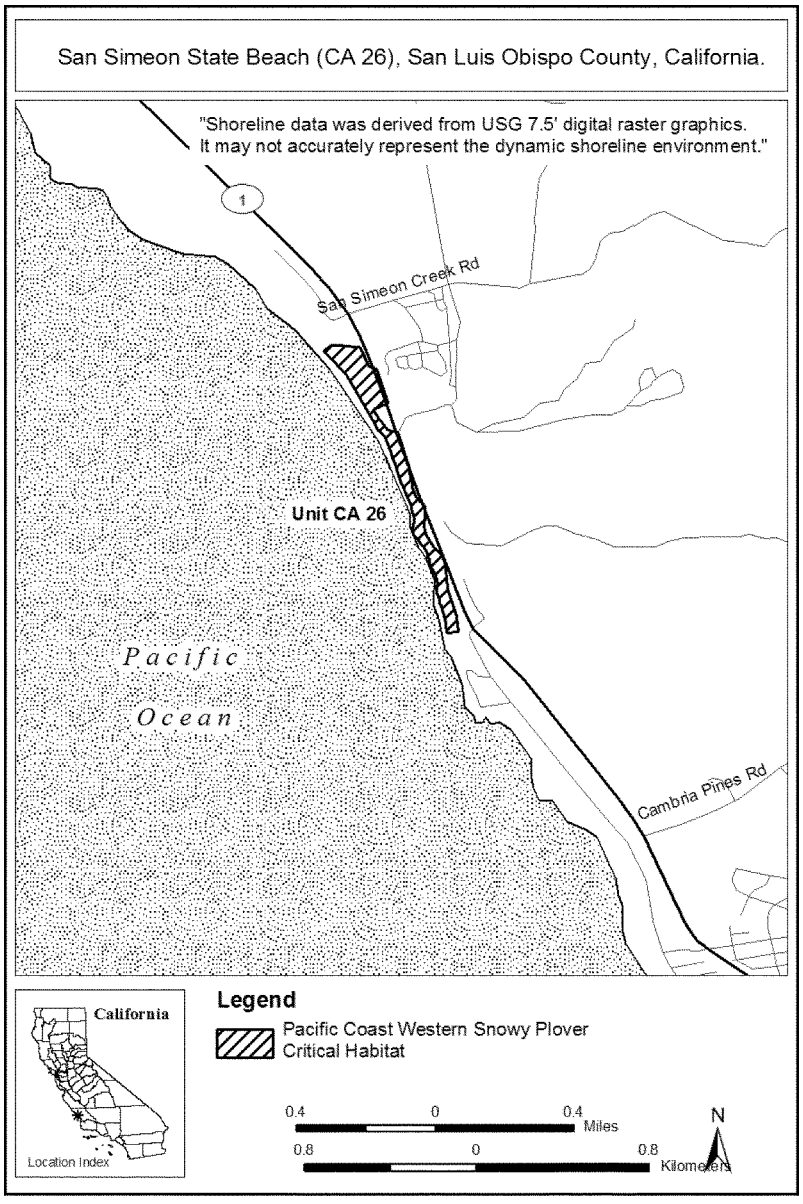
(58) Unit CA 24: San Carpoforo Creek, San Luis Obispo County, California. Map follows:



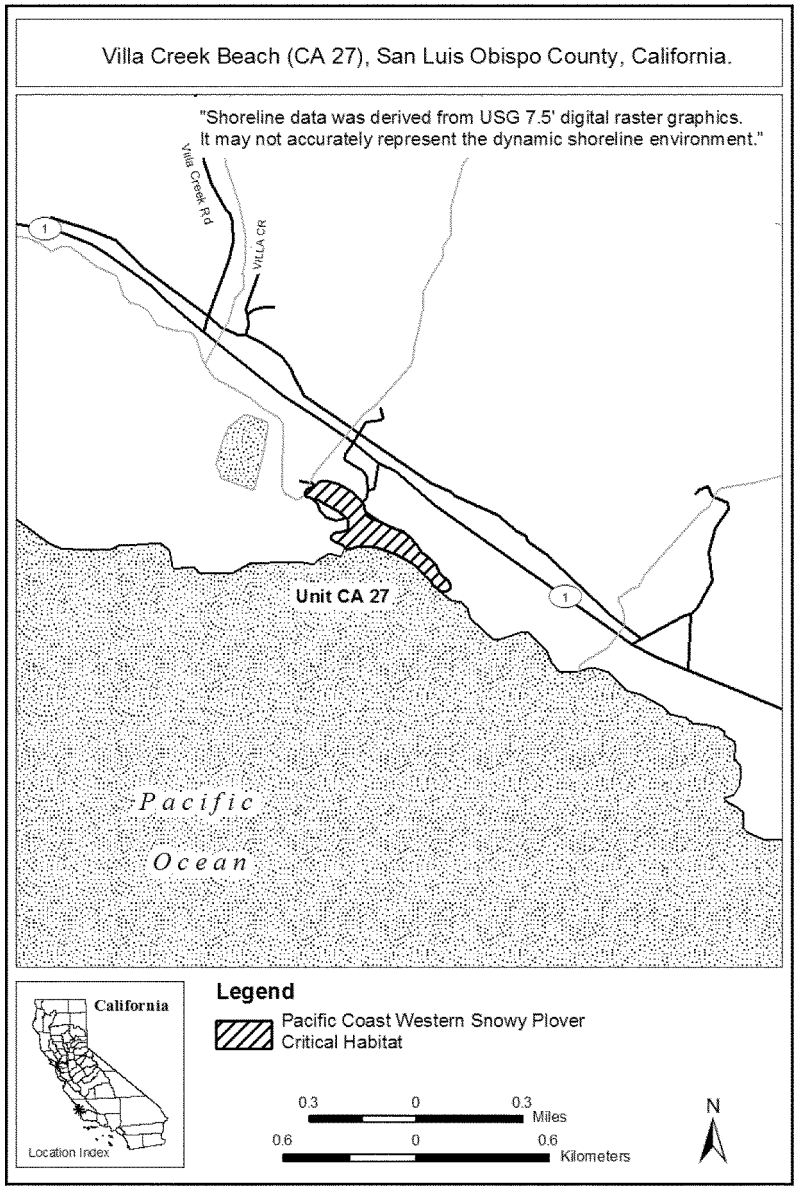
(59) Unit CA 25: Arroyo Laguna Creek, San Luis Obispo County, California. Map follows:



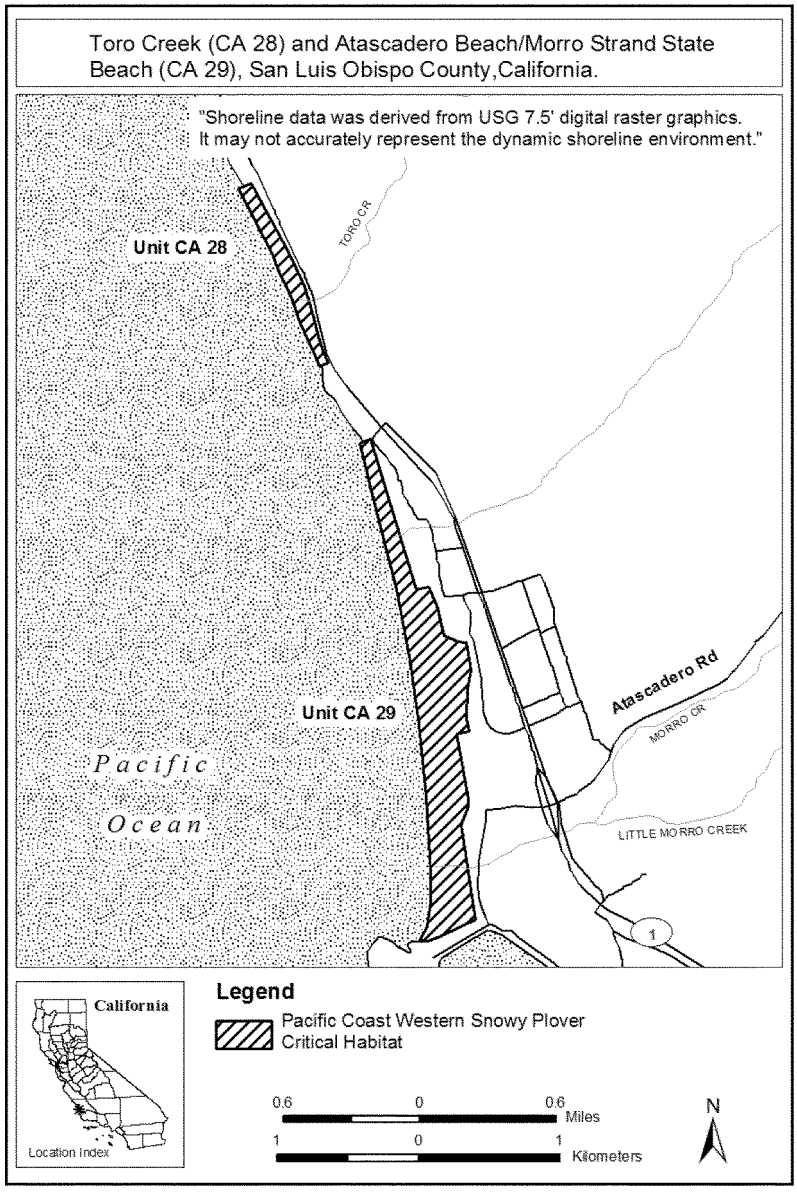
(60) Unit CA 26: San Simeon State Beach, San Luis Obispo County, California. Map follows:



(61) Unit CA 27: Villa Creek Beach, San Luis Obispo County, California. Map follows:

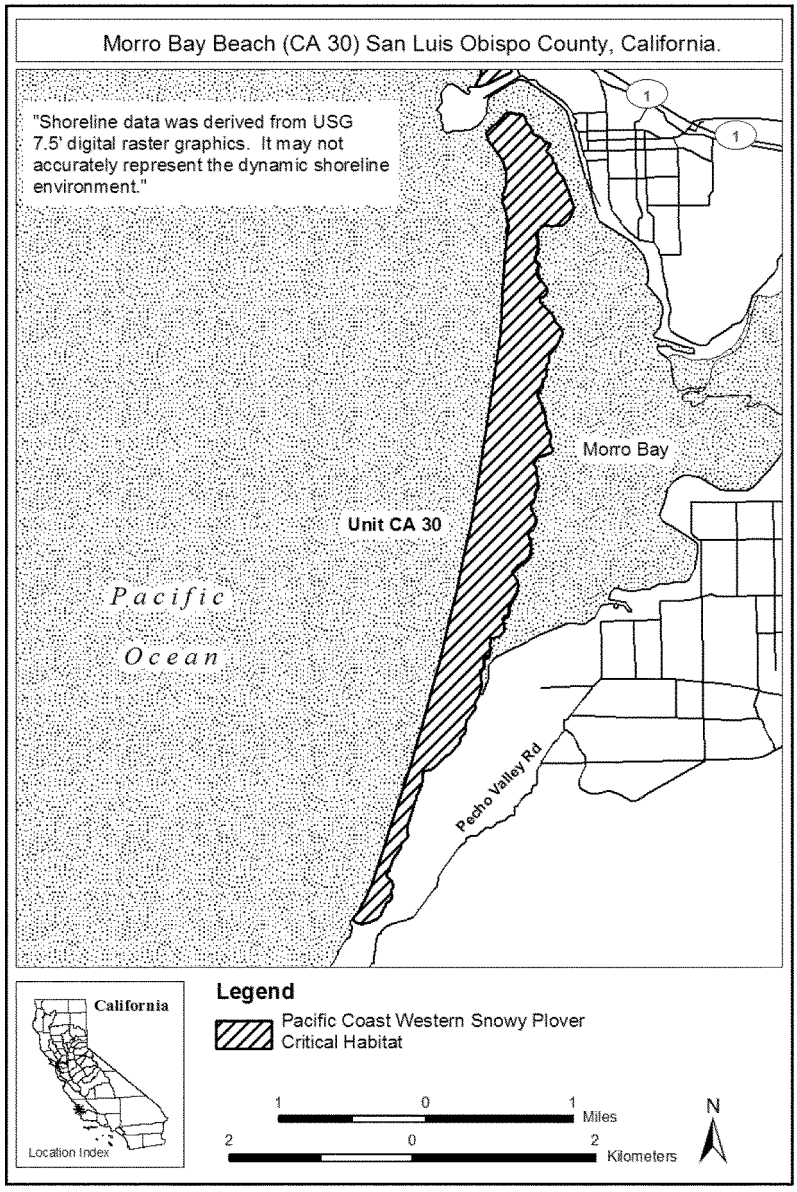


(62) Unit CA 28: Toro Creek, San Luis Obispo County, California. Map of Units CA 28 and CA 29 follows:

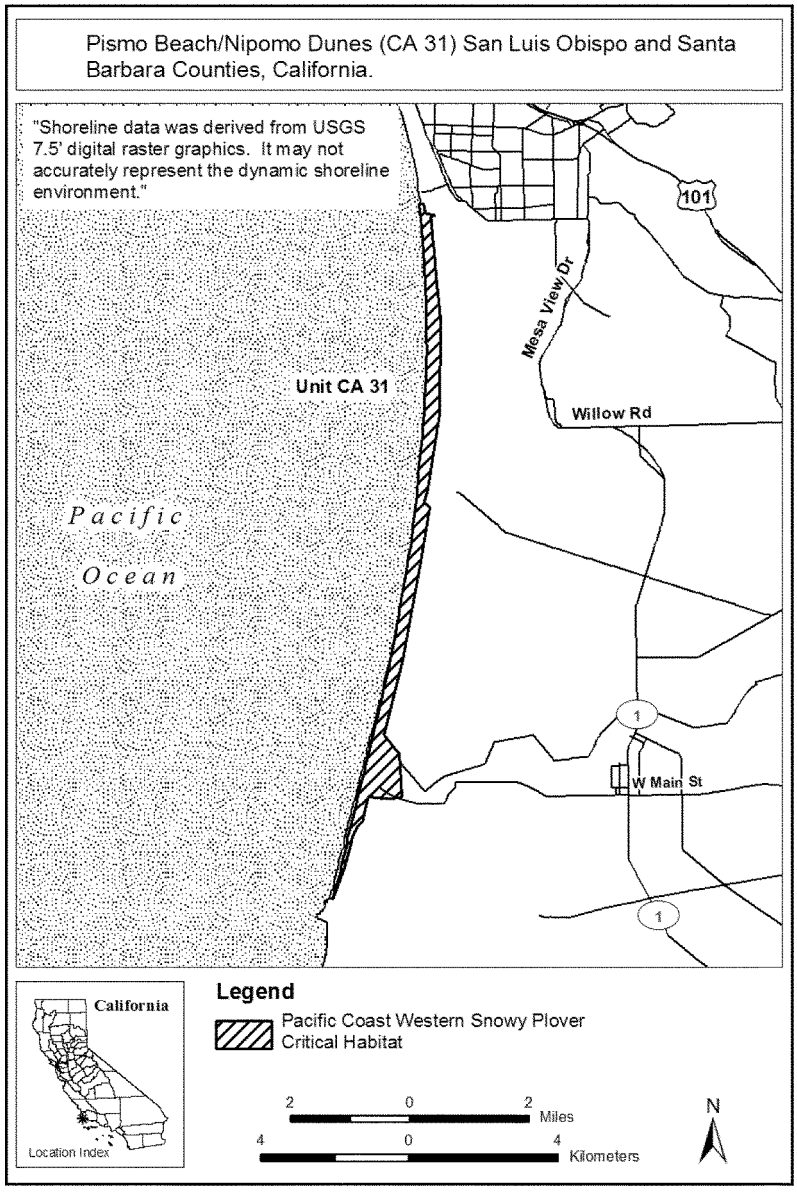


(63) Unit CA 29: Atascadero Beach/Morro Strand State Beach: San Luis Obispo County, California. Map of Units CA 28 and CA 29 is provided at paragraph 62 of this entry.

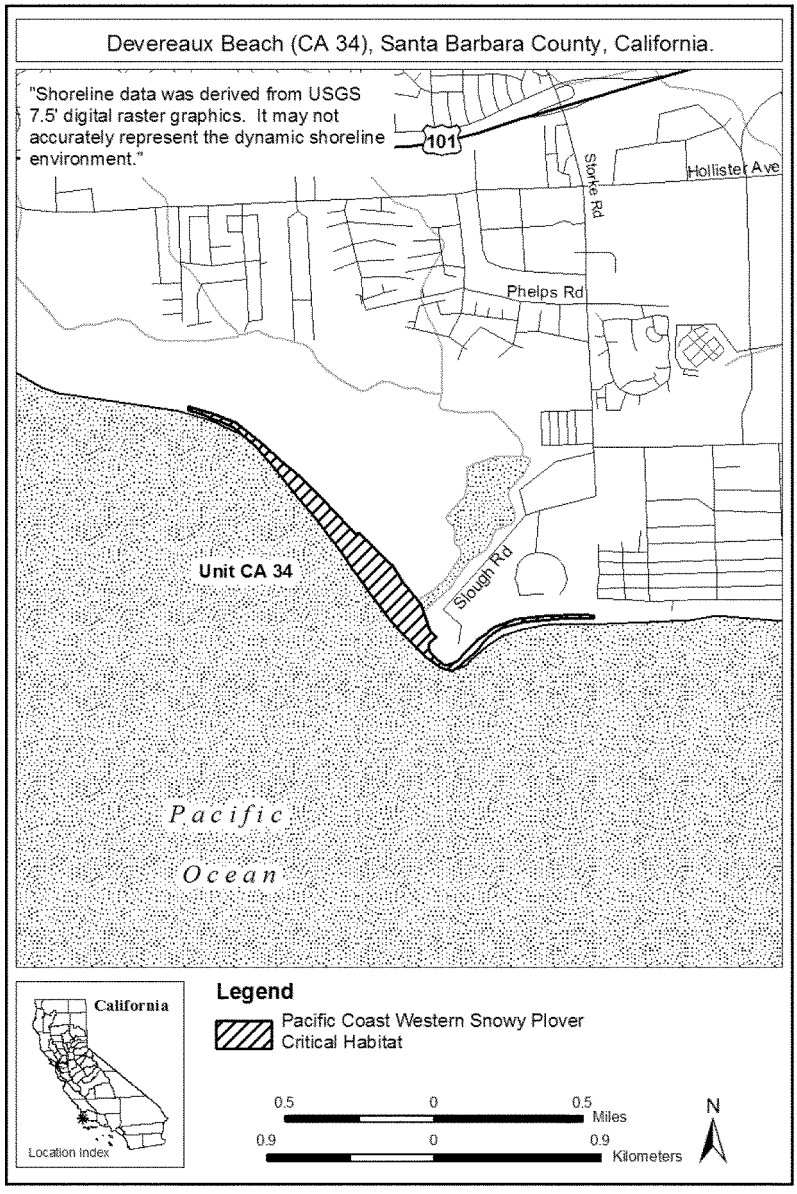
(64) Unit CA 30: Morro Bay Beach, San Luis Obispo County, California. Map follows:



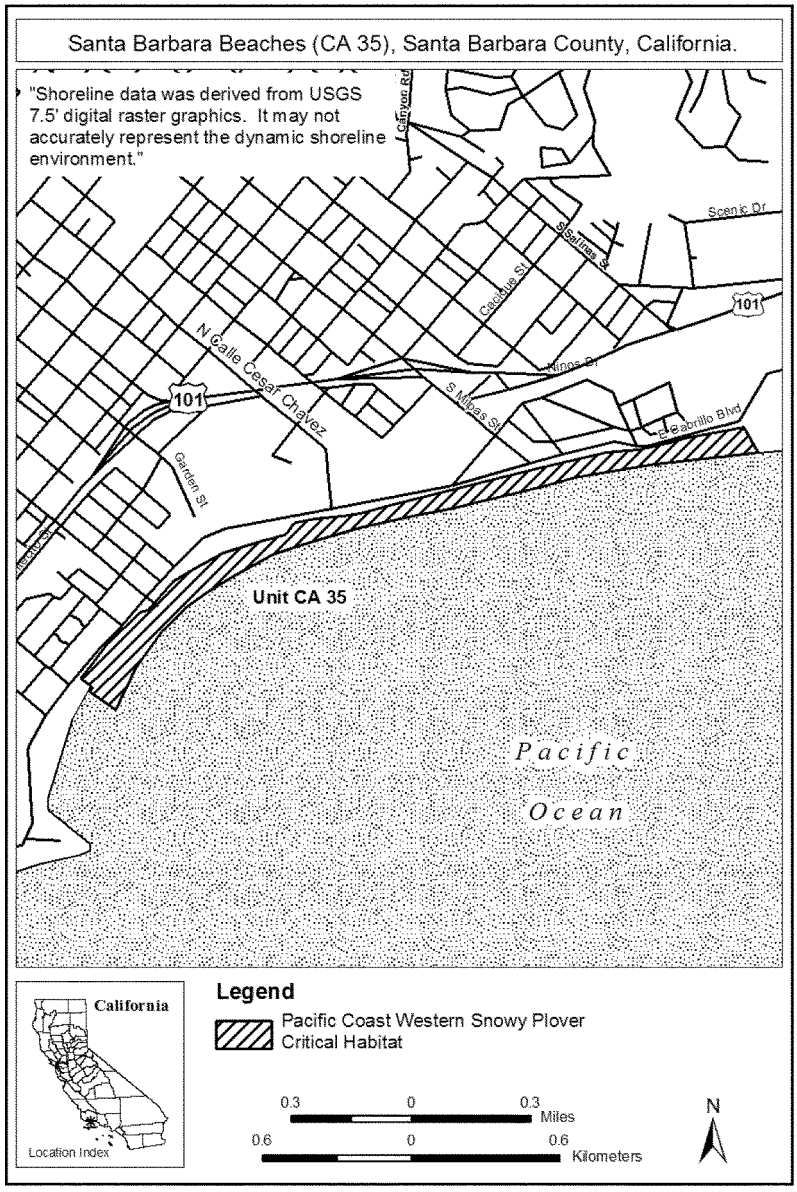
(65) Unit CA 31: Pismo Beach/Nipomo Dunes, San Luis Obispo and Santa Barbara Counties, California. Map follows:



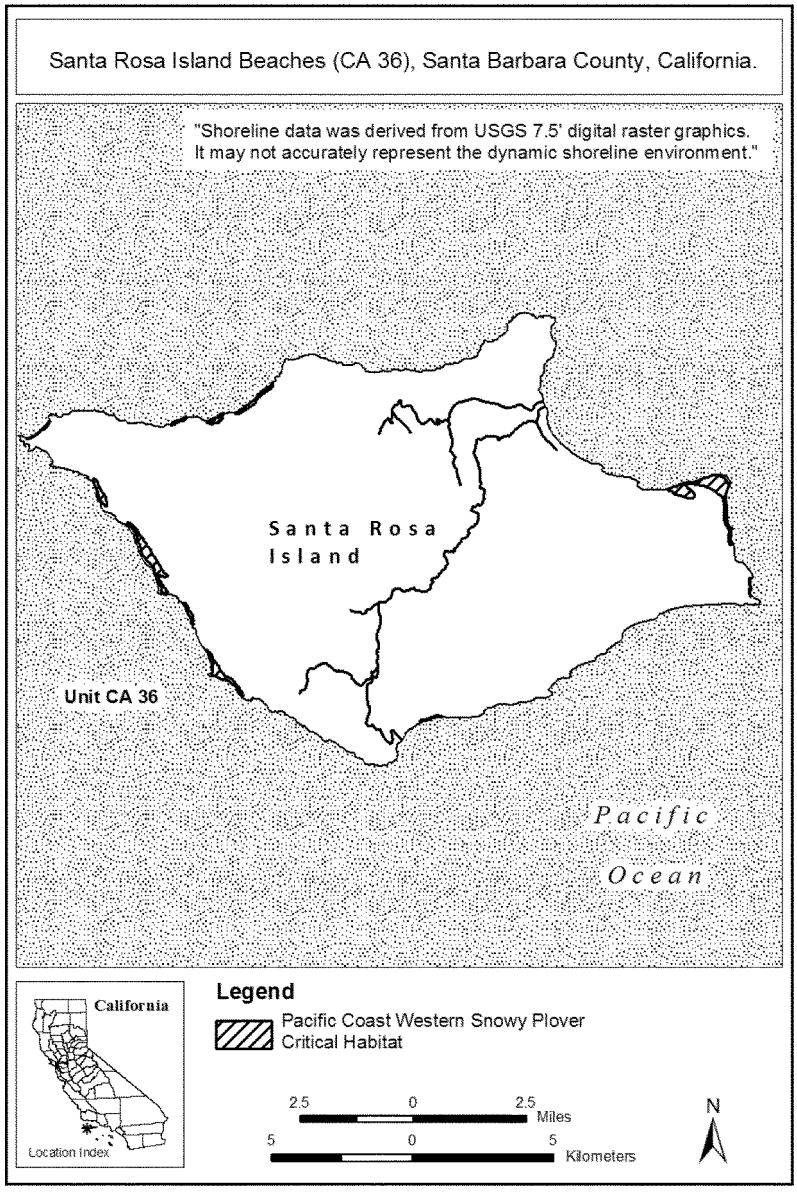
(66) Unit CA 34: Devereaux Beach, Santa Barbara County, California. Map follows:



(67) Unit CA 35: Santa Barbara Beaches, Santa Barbara County, California. Map follows:



(68) Subunit CA 36A: Santa Rosa Island Beaches, Santa Barbara County, California. Map of Unit CA 36: Santa Rosa Island Beaches, including Subunits CA 36A through CA 36K follows:



(69) Subunit CA 36B: Santa Rosa Island Beaches, Santa Barbara County, California. Map of Unit CA 36: Santa Rosa Island Beaches, including Subunits CA 36A through CA 36K is provided at paragraph 68 of this entry.

(70) Unit CA 36C: Santa Rosa Island Beaches, Santa Barbara County, California. Map of Unit CA 36: Santa Rosa Island Beaches, including Subunits CA 36A through CA 36K is provided at paragraph 68 of this entry.

(71) Unit CA 36D: Santa Rosa Island Beaches, Santa Barbara County, California. Map of Unit CA 36: Santa Rosa Island Beaches, including Subunits CA 36A through CA 36K is provided at paragraph 68 of this entry.

(72) Unit CA 36E: Santa Rosa Island Beaches, Santa Barbara County, California. Map of Unit CA 36: Santa Rosa Island Beaches, including Subunits CA 36A through CA 36K is provided at paragraph 68 of this entry.

(73) Unit CA 36F: Santa Rosa Island Beaches, Santa Barbara County, California. Map of Unit CA 36: Santa Rosa Island Beaches, including Subunits CA 36A through CA 36K is provided at paragraph 68 of this entry.

(74) Unit CA 36G: Santa Rosa Island Beaches, Santa Barbara County, California. Map of Unit CA 36: Santa Rosa Island Beaches, including Subunits CA 36A through CA 36K is provided at paragraph 68 of this entry.

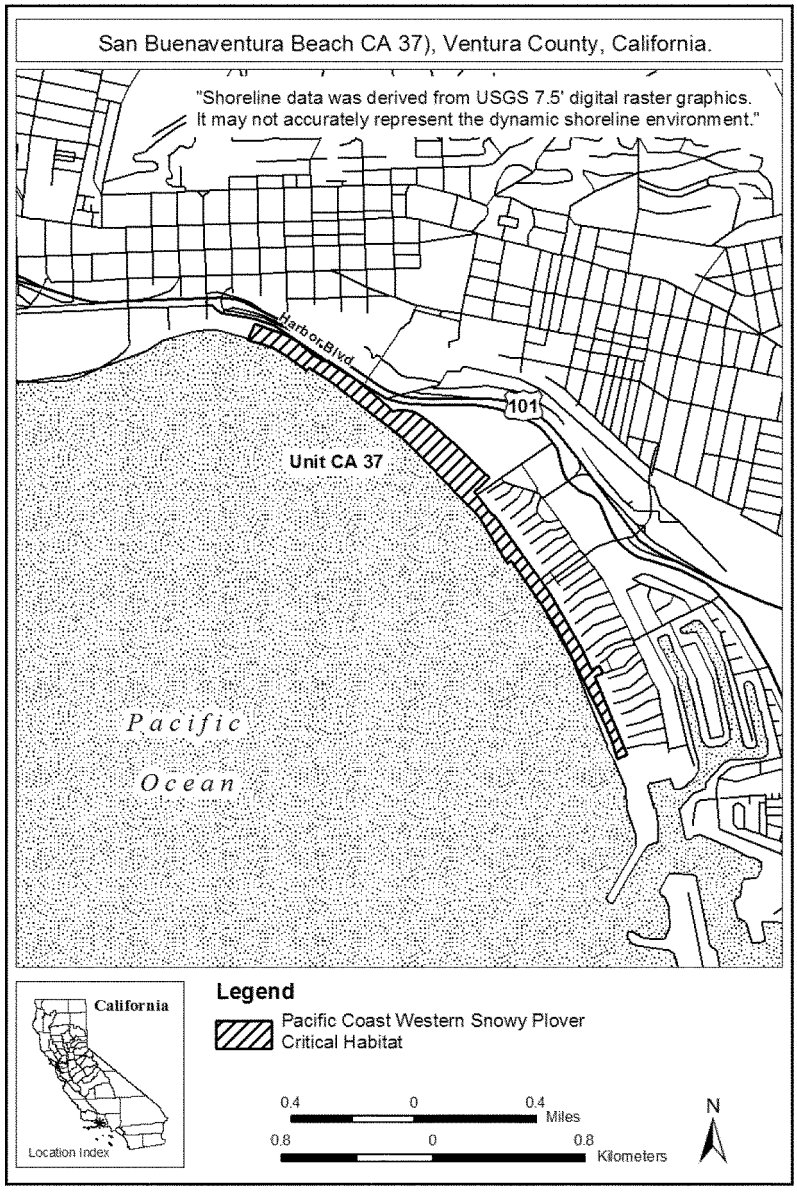
(75) Unit CA 36H: Santa Rosa Island Beaches, Santa Barbara County, California. Map of Unit CA 36: Santa Rosa Island Beaches, including Subunits CA 36A through CA 36K is provided at paragraph 68 of this entry.

(76) Unit CA 36I: Santa Rosa Island Beaches, Santa Barbara County, California. Map of Unit CA 36: Santa Rosa Island Beaches, including Subunits CA 36A through CA 36K is provided at paragraph 68 of this entry.

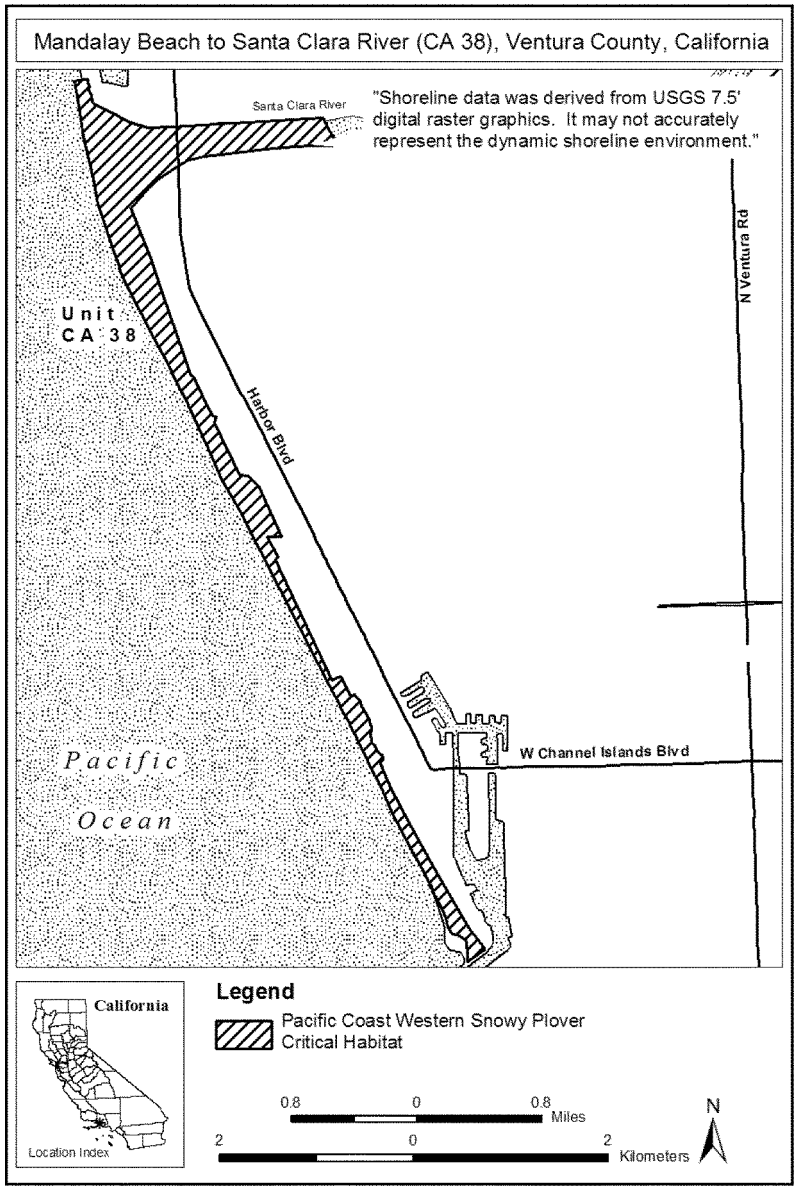
(77) Unit CA 36J: Santa Rosa Island Beaches, Santa Barbara County, California. Map of Unit CA 36: Santa Rosa Island Beaches, including Subunits CA 36A through CA 36K is provided at paragraph 68 of this entry.

(78) Unit CA 36K: Santa Rosa Island Beaches, Santa Barbara County, California. Map of Unit CA 36: Santa Rosa Island Beaches, including Subunits CA 36A through CA 36K is provided at paragraph 68 of this entry.

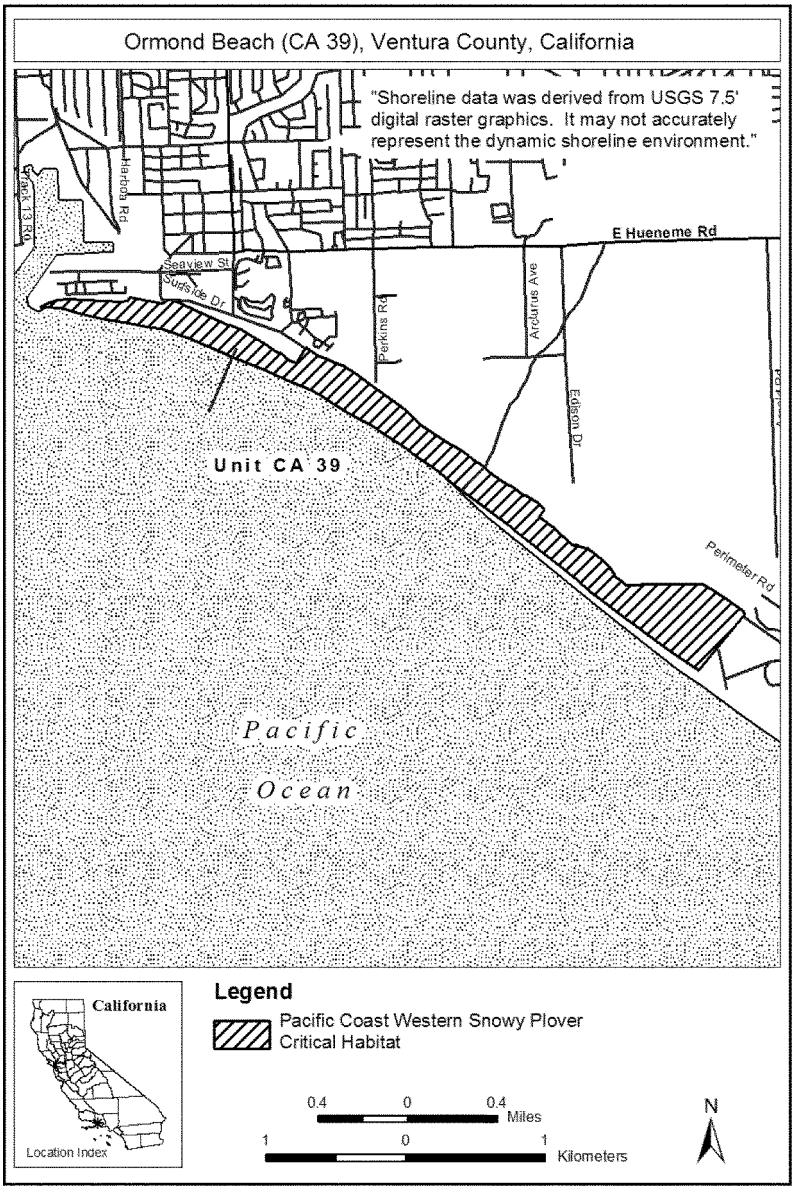
(79) Unit CA 37: San Buenaventura Beach, Ventura County, California. Map follows:



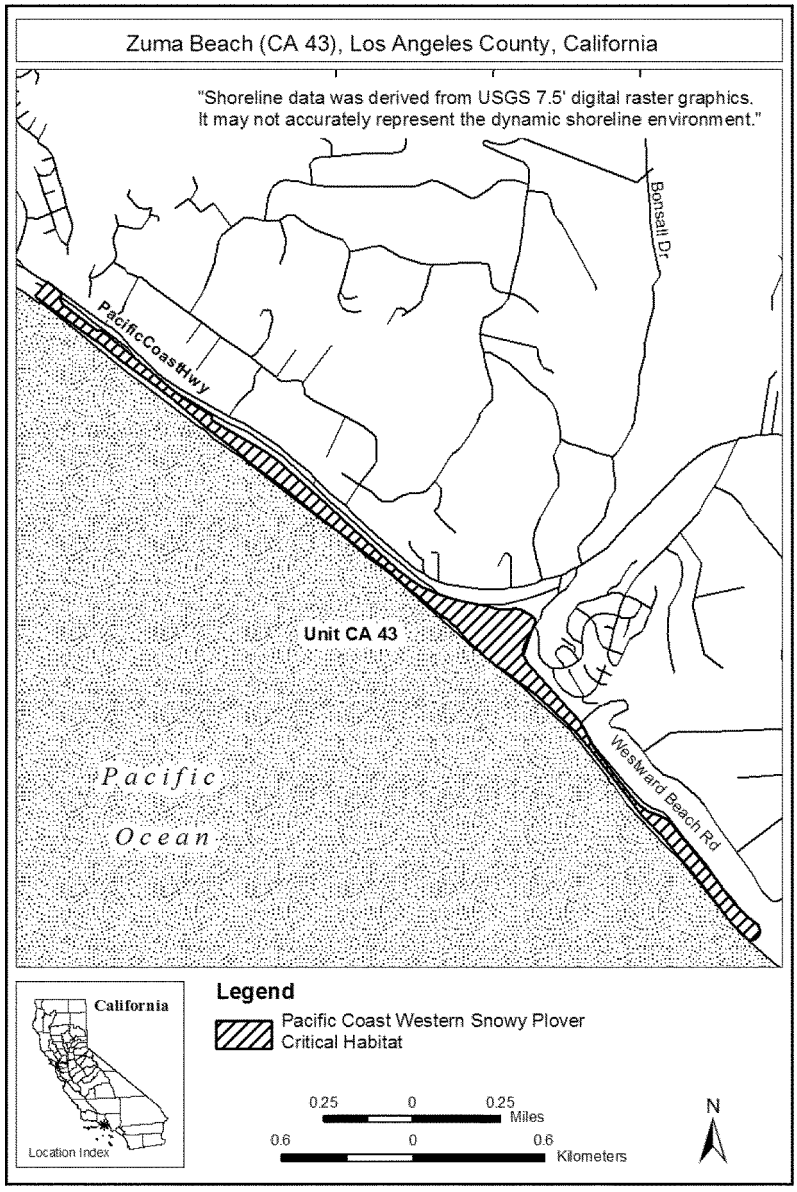
(80) Unit CA 38: Mandalay Beach to Santa Clara River, Ventura County, California. Map follows:



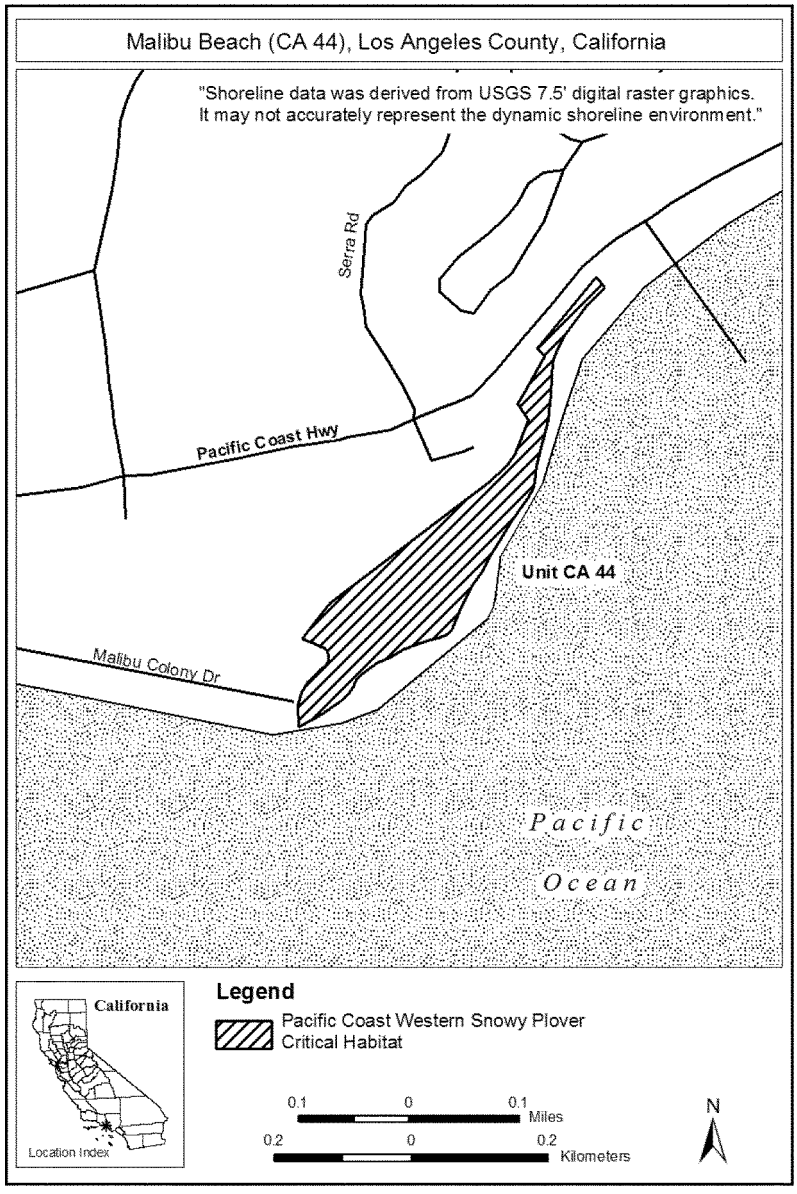
(81) Unit CA 39: Ormond Beach, Ventura County, California. Map follows:



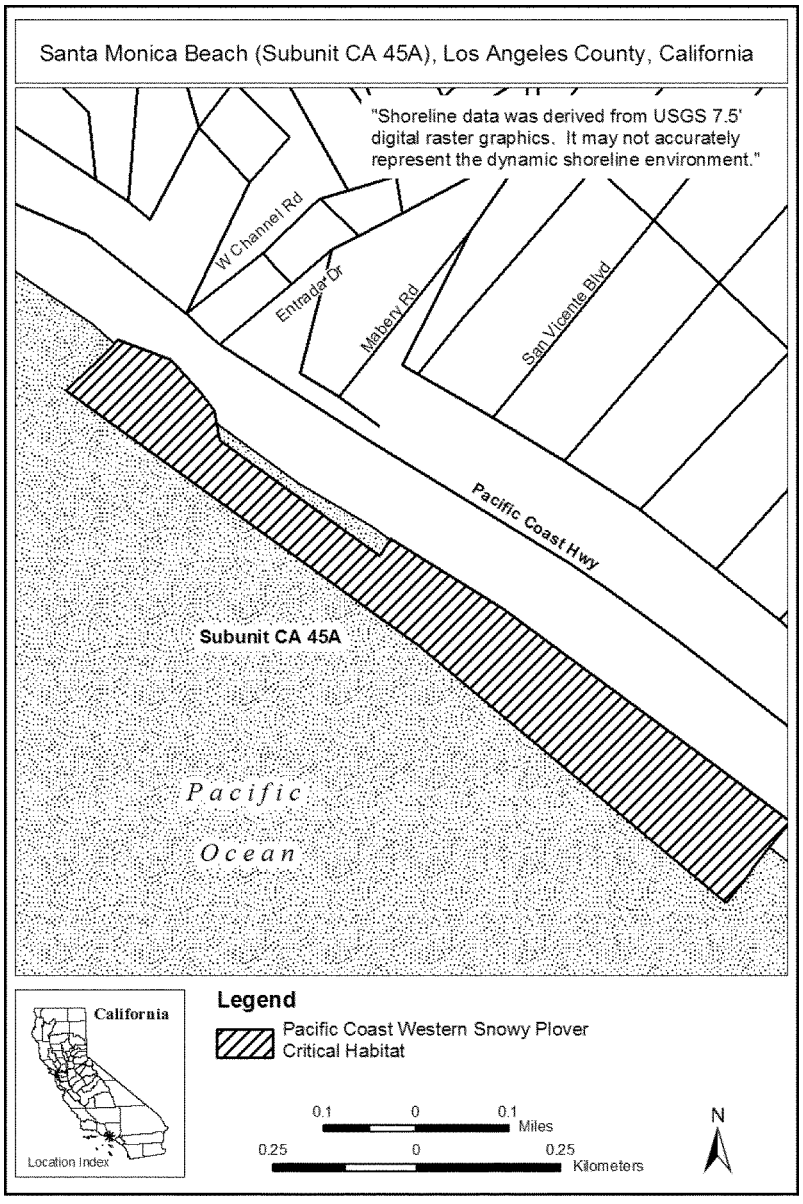
(82) Unit CA 43: Zuma Beach, Los Angeles County, California. Map follows:



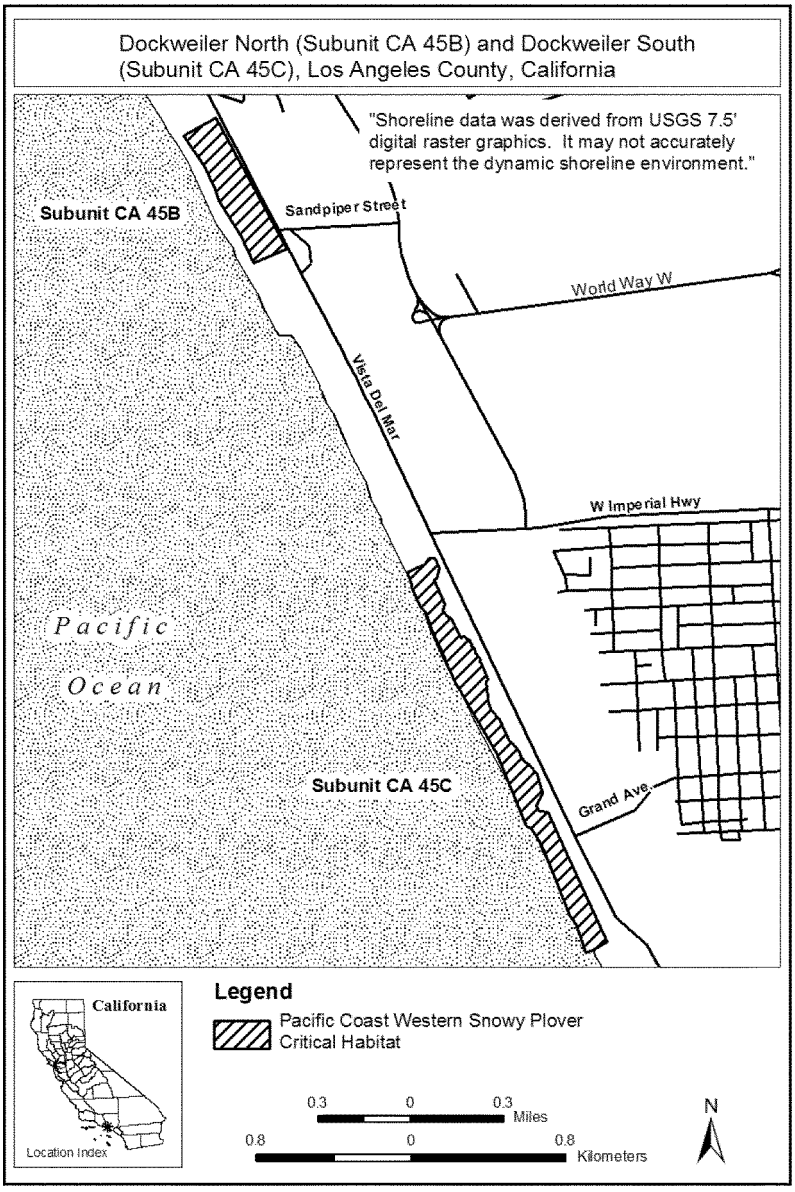
(83) Unit CA 44: Malibu Beach, Los Angeles County, California. Map follows:



(84) Subunit CA 45A: Santa Monica Beach, Los Angeles County, California. Map follows:

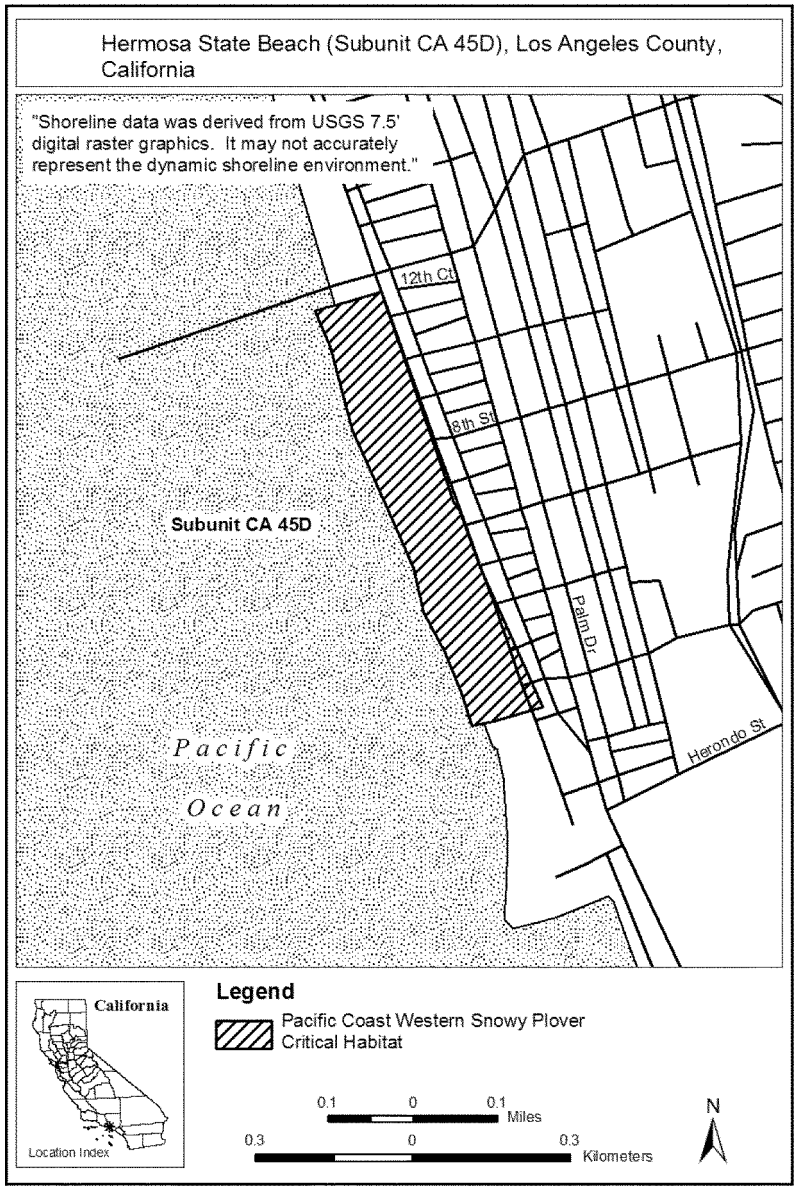


(85) Subunit CA 45B: Dockweiler North, Los Angeles County, California. Map of Subunits CA 45B and CA 45C follows:

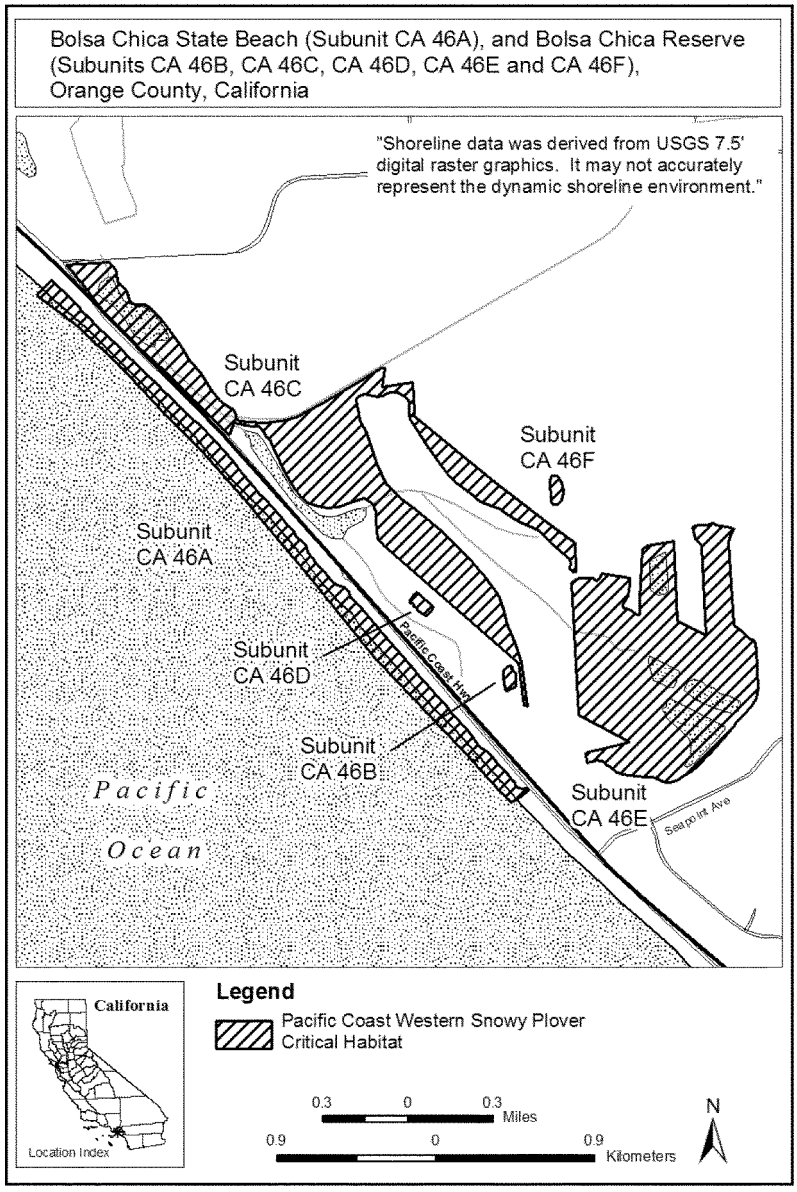


(86) Subunit CA 45C: Dockweiler South, Los Angeles County, California. Map of Subunits CA 45B and CA 45C is provided at paragraph 85 of this entry.

(87) Subunit CA 45D: Hermosa State Beach, Los Angeles County, California. Map follows:



(88) Subunit CA 46A: Bolsa Chica State Beach, Orange County, California. Map of Subunits CA 46A through CA 46F follows:



(89) Subunit CA 46B: Bolsa Chica Reserve, Orange County, California. Map of Subunits CA 46A through CA 46F is provided at paragraph 88 of this entry.

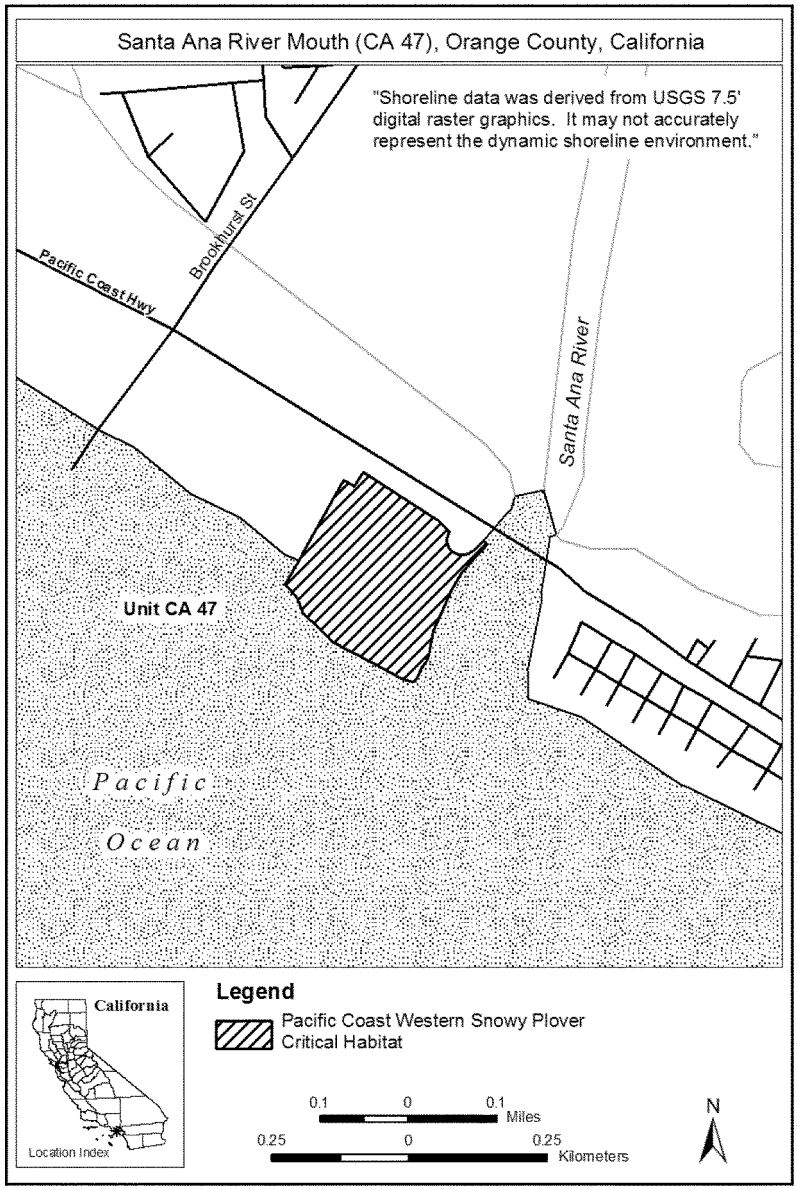
(90) Subunit CA 46C: Bolsa Chica Reserve, Orange County, California. Map of Subunits CA 46A through CA 46F is provided at paragraph 88 of this entry.

(91) Subunit CA 46D: Bolsa Chica Reserve, Orange County, California. Map of Subunits CA 46A through CA 46F is provided at paragraph 88 of this entry.

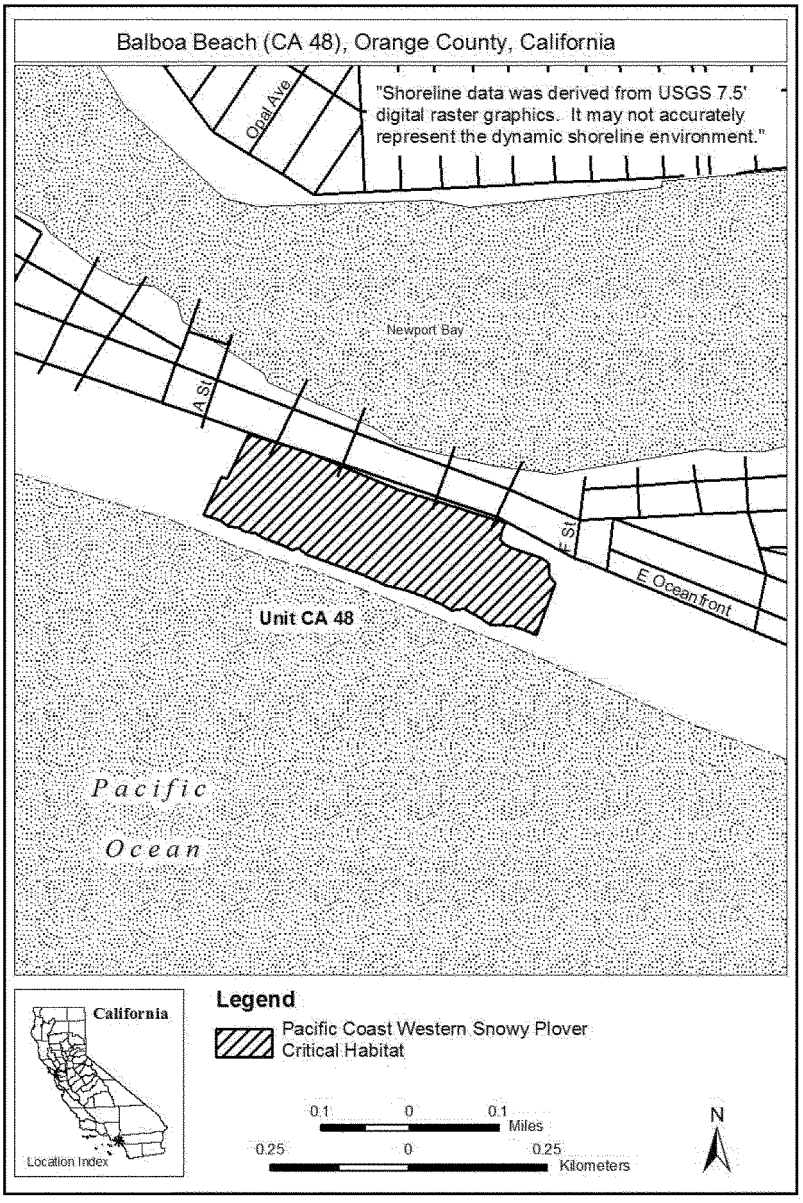
(92) Subunit CA 46E: Bolsa Chica Reserve, Orange County, California. Map of Subunits CA 46A through CA 46F is provided at paragraph 88 of this entry.

(93) Subunit CA 46F: Bolsa Chica Reserve, Orange County, California. Map of Subunits CA 46A through CA 46F is provided at paragraph 88 of this entry.

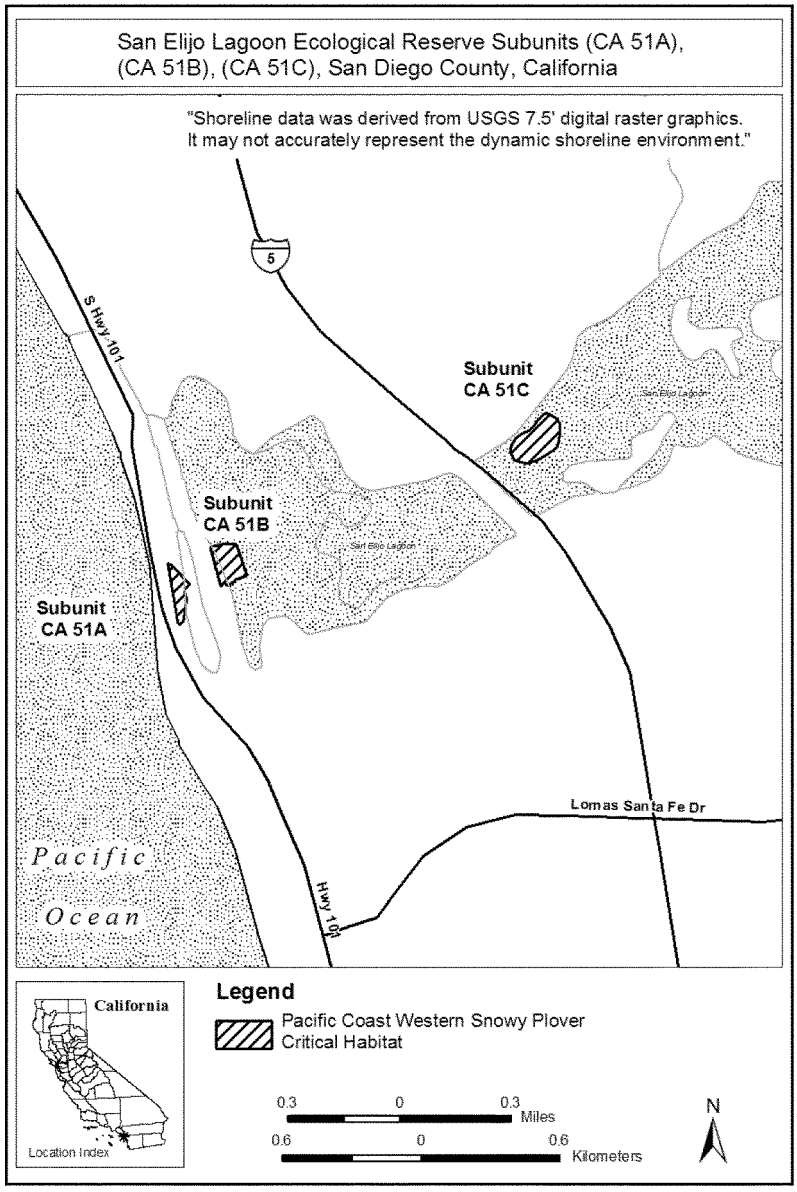
(94) Unit CA 47: Santa Ana River Mouth, Orange County, California. Map follows:



(95) Unit CA 48: Balboa Beach, Orange County, California. Map follows:



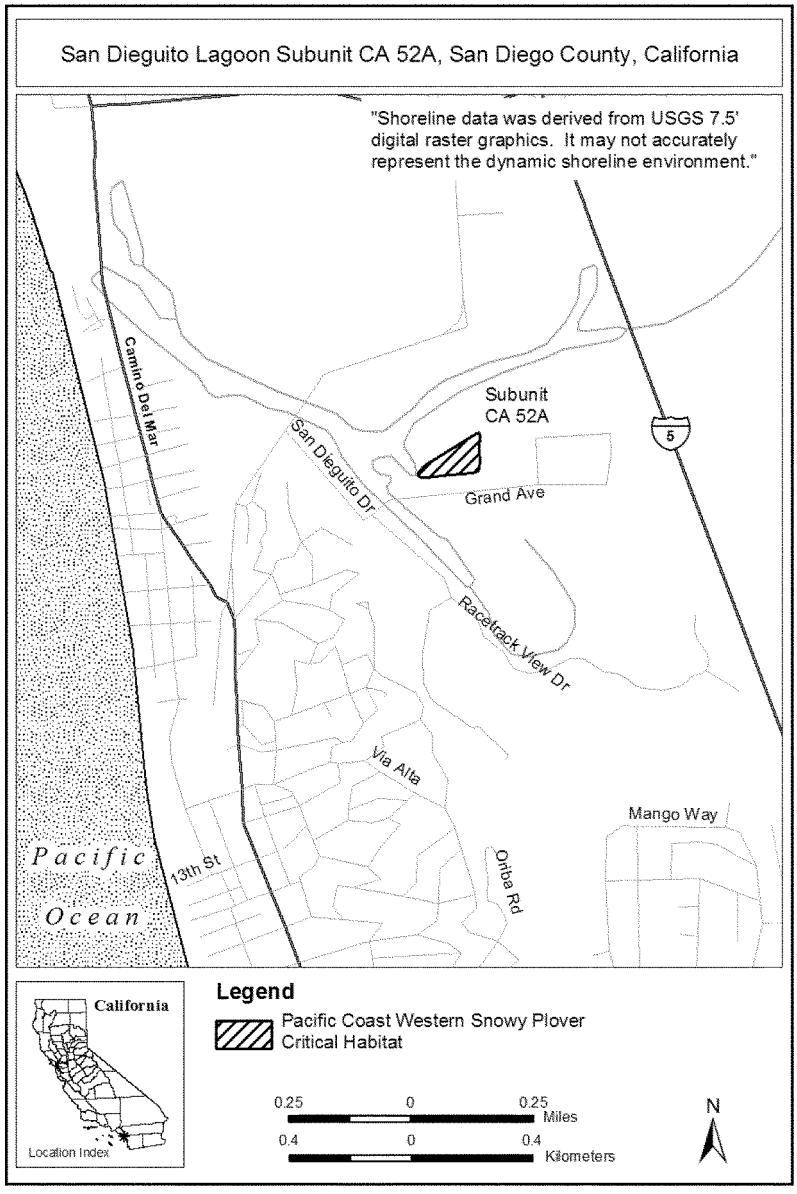
(96) Subunit CA 51A: San Elijo Lagoon Ecological Reserve, San Diego County, California. Map of Subunits CA 51A, CA 51B, and CA 51C follows:



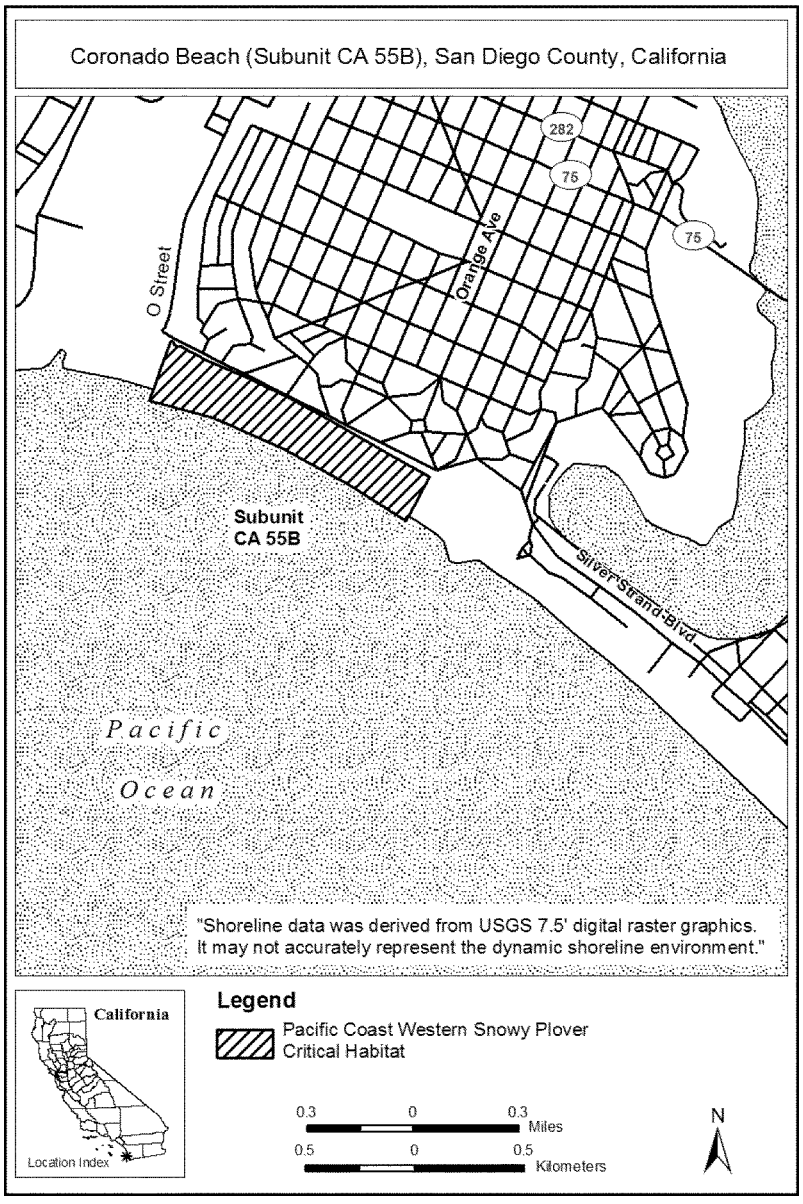
(97) Subunit CA 51B: San Elijo Ecological Reserve, San Diego County, California. Map of Subunits CA 51A, CA 51B, and CA 51C is provided at paragraph 96 of this entry.

(98) Subunit CA 51C: San Elijo Ecological Reserve, San Diego County, California. Map of Subunits CA 51A, CA 51B, and CA 51C is provided at paragraph 96 of this entry.

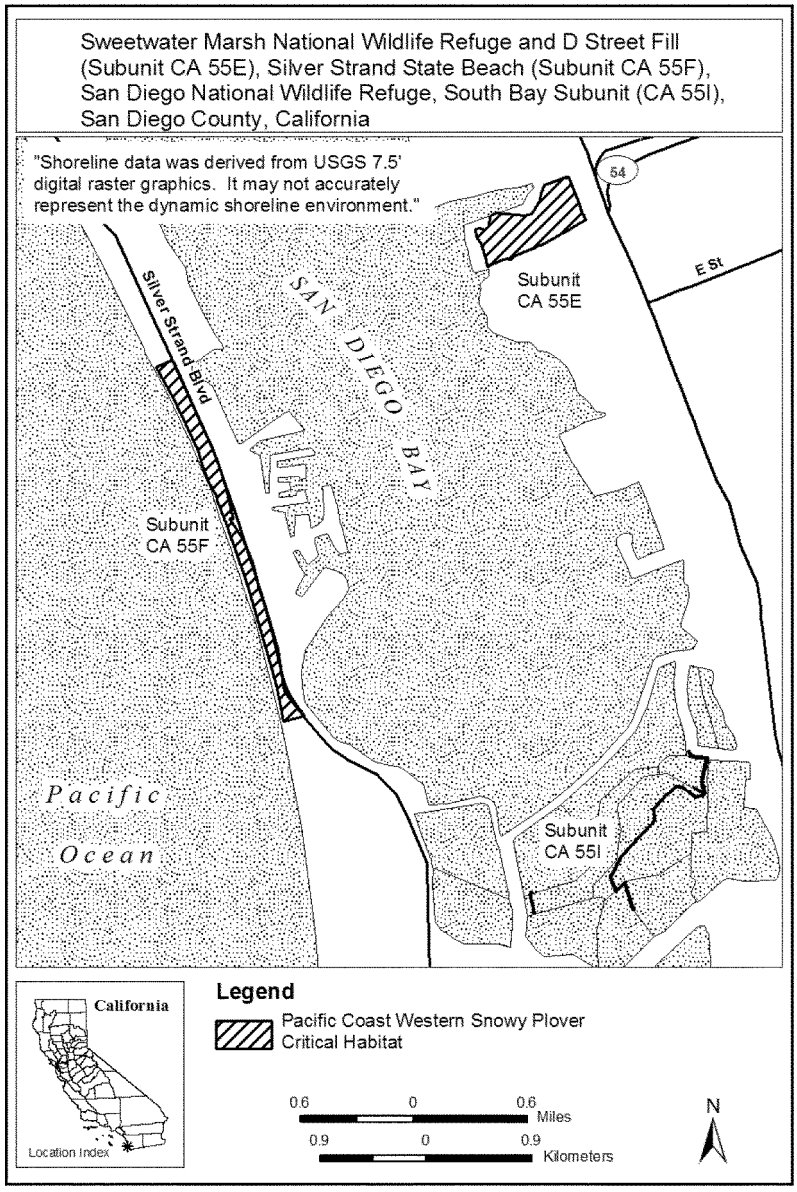
(99) Subunit CA 52A: San Dieguito Lagoon, San Diego County, California. Map follows:



(100) Subunit CA 55B: Coronado Beach, San Diego County, California. Map follows:



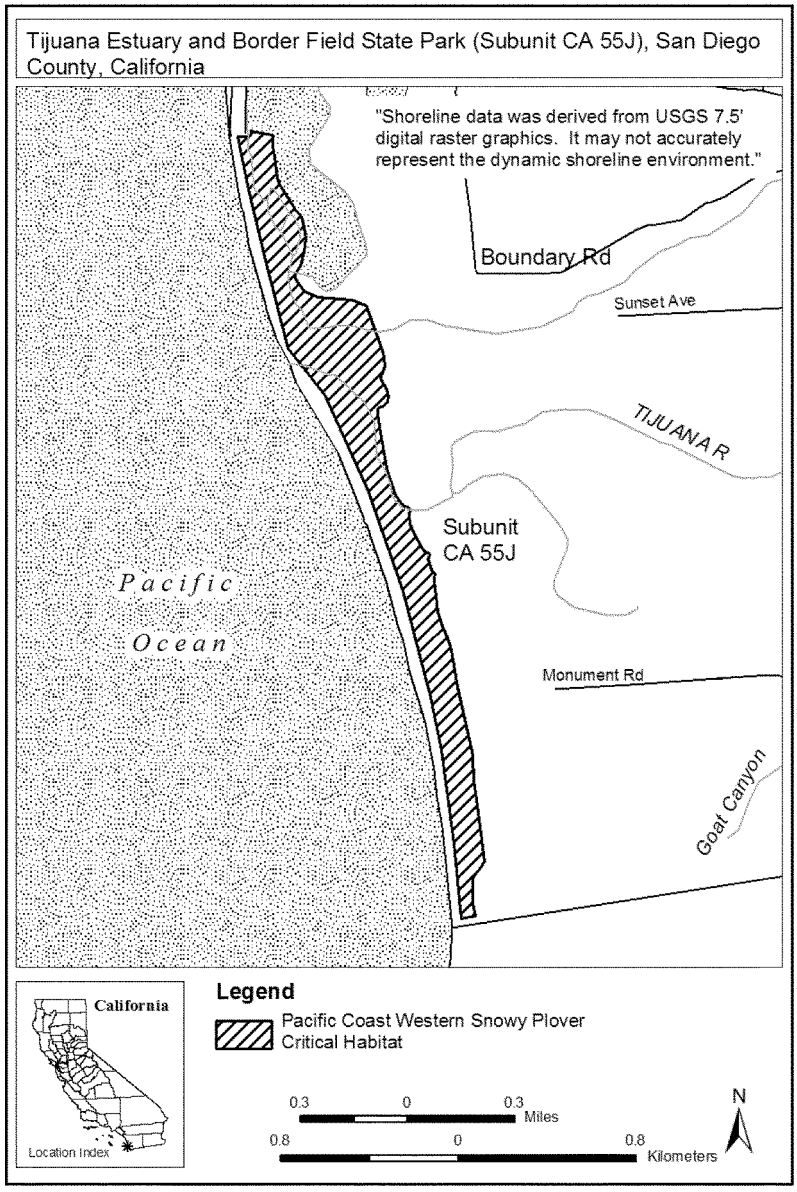
(101) Subunit CA 55E: Sweetwater Marsh National Wildlife Refuge, San Diego County, California. Map of Subunits CA 55E, CA 55F, and CA 55I follows:



(102) Subunit CA 55F: Silver Strand State Beach, San Diego County, California. Map of Subunits CA 55E, CA 55F, and CA 55I is provided at paragraph 101 of this entry.

(103) Subunit CA 55I: San Diego National Wildlife Refuge—South Bay Unit, San Diego County, California. Map of Subunits CA 55E, CA 55F, and CA 55I is provided at paragraph 101 of this entry.

(104) Subunit CA 55J: Tijuana Estuary and Border Field State Park, San Diego County, California. Map follows:



GUNNISON SAGE-GROUSE *(Centrocercus minimus)*

(1) Critical habitat units are depicted for Grand and San Juan Counties, Utah, and Delta, Dolores, Gunnison, Hinsdale, Mesa, Montrose, Ouray, Saguache, and San Miguel Counties, Colorado, on the maps below.

(2) Within these areas, the primary constituent elements (PCEs) of the physical and biological features essential to the conservation of Gunnison sage-grouse consist of five components:

(i) *Landscape Specific Primary Constituent Element.* Primary Constituent Element 1—Extensive sagebrush landscapes capable of

supporting a population of Gunnison sage-grouse. In general, this includes areas with vegetation composed primarily of sagebrush plant communities (at least 25 percent of the land is dominated by sagebrush cover within a 0.9-mi (1.5-km) radius of any given location), of sufficient size and configuration to encompass all seasonal habitats for a given population of Gunnison sage-grouse, and facilitate movements within and among populations. These areas also occur wholly within the potential historical range of Gunnison sage-grouse.

(ii) *Seasonally Specific Primary Constituent Elements.* (A) Primary Constituent Element 2—Breeding habitat composed of sagebrush plant communities that, in general, have the structural characteristics within the ranges described in the following table. Habitat structure values are average values over a project area. Breeding habitat includes lek, nesting, and early brood-rearing habitats used typically March 15 through July 15. Early brood-rearing habitat may include agricultural fields.

Vegetation variable	Amount in habitat
Sagebrush Canopy	10–25 percent.
Non-sagebrush Canopy*	5–15 percent.
Total Shrub Canopy	15–40 percent.
Sagebrush Height	9.8–19.7 in (25–50 cm).
Grass Cover	10–40 percent.
Forb Cover	5–40 percent.
Grass Height	3.9–5.9 in (10–15 cm).
Forb Height	2.0–5.9 in (5–15 cm).

*Includes shrubs such as horsebrush (*Tetradymia* spp.), rabbitbrush (*Chrysothamnus* spp.), bitterbrush (*Purshia* spp.), snakeweed (*Gutierrezia sarothrae*), greasewood (*Sarcobatus* spp.), winterfat (*Eurotia lanata*), Gambel's oak (*Quercus gambelii*), snowberry (*Symphoricarpos oreophilus*), serviceberry (*Amelanchier* spp.), and chokecherry (*Prunus virginiana*).

(B) Primary Constituent Element 3—Summer-late fall habitat composed of sagebrush plant communities that, in general, have the structural characteristics within the ranges described in the following table. Habitat structure values are average values over a project area. Summer-fall habitat includes sagebrush communities having the referenced habitat structure values, as well as agricultural fields and wet meadow or riparian habitat types. Wet meadows and riparian habitats are also included qualitatively under PCE 5 at paragraph (2)(ii)(D) of this entry.

Vegetation variable	Amount in habitat
Sagebrush Canopy	5–20 percent.
Non-sagebrush Canopy*	5–15 percent.
Total Shrub Canopy	10–35 percent.
Sagebrush Height	9.8–19.7 in (25–50 cm).
Grass Cover	10–35 percent.
Forb Cover	5–35 percent.
Grass Height	3.9–5.9 in (10–15 cm).
Forb Height	1.2–3.9 in (3–10 cm).

*Includes shrubs such as horsebrush (*Tetradymia* spp.), rabbitbrush (*Chrysothamnus* spp.), bitterbrush (*Purshia* spp.), snakeweed (*Gutierrezia sarothrae*), greasewood (*Sarcobatus* spp.), winterfat (*Eurotia lanata*), Gambel's oak (*Quercus gambelii*), snowberry (*Symphoricarpos oreophilus*), serviceberry (*Amelanchier* spp.), and chokecherry (*Prunus virginiana*).

(C) Primary Constituent Element 4—Winter habitat composed of sagebrush plant communities that, in general, have sagebrush canopy cover between 30 to 40 percent and sagebrush height of 15.8 to 21.7 in (40 to 55 cm). These habitat structure values are average values over a project area. Winter habitat includes sagebrush areas within currently occupied habitat that are available (*i.e.*, not covered by snow) to Gunnison sage-grouse during average winters.

(D) Primary Constituent Element 5— Alternative, mesic habitats used primarily in the summer-late fall season, such as riparian communities, springs, seeps, and mesic meadows.

(3) Critical habitat for the Gunnison sage-grouse does not include manmade structures (such as buildings, airport runways, roads, and other paved areas) and the land on which they are located existing within the boundaries of designated critical habitat on December 22, 2014.

(4) *Critical habitat map units.* Data layers defining map units were created from a number of geospatial data, including: Polygons generated as part of the Gunnison sage-grouse Rangewide Conservation Plan, Southwest Regional Gap Analysis Project (SWReGAP) land cover data, National Agriculture Imagery Program (NAIP) aerial images, and USGS 7.5 minute quadrangle maps. Critical habitat units were then mapped as shapefiles using Universal Transverse Mercator (UTM) Zone 13N coordinates.

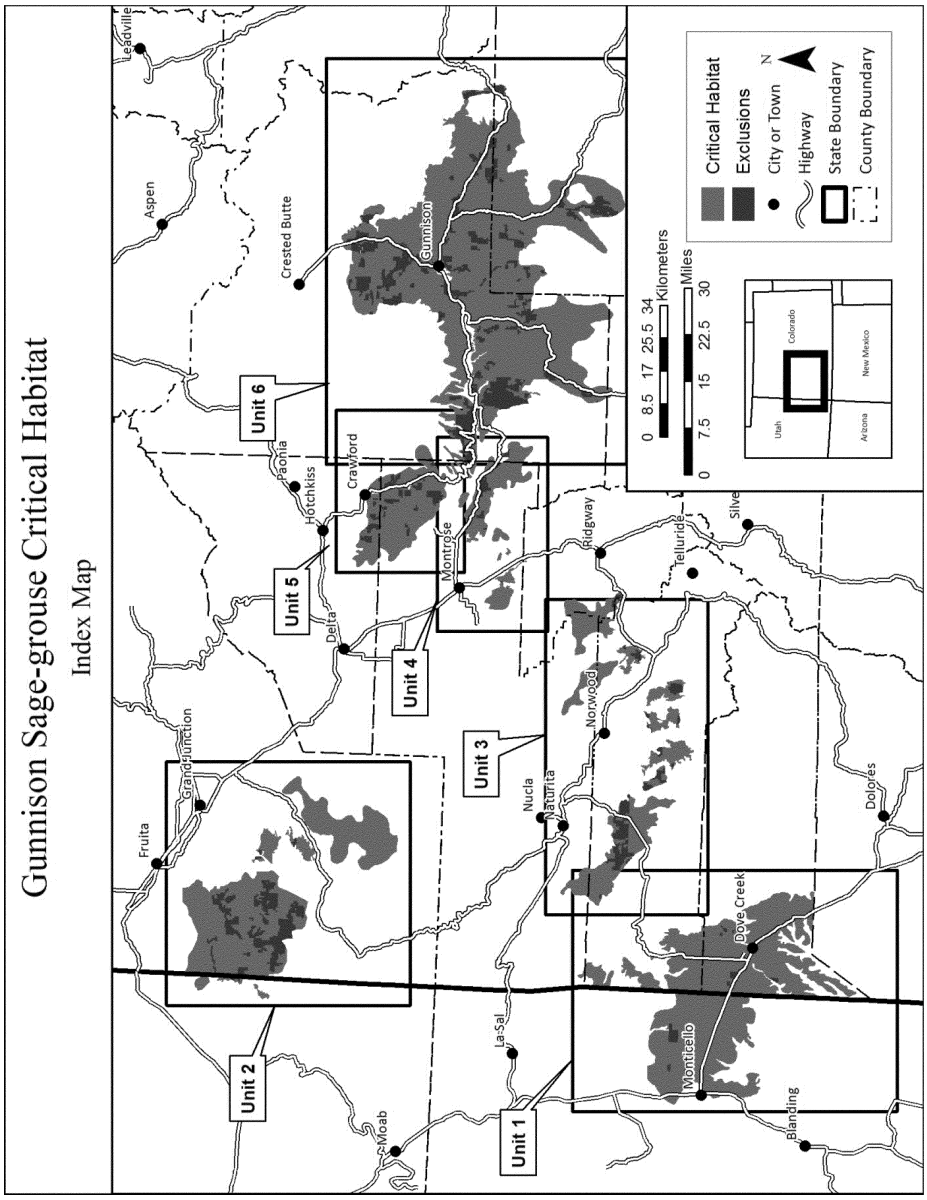
(i) The maps in this entry, as modified by any accompanying regulatory text, establish the boundaries of the critical habitat designation. Private land boundaries may not be exact due to mapping inconsistencies between land survey data, Geographic Information System (GIS) coordinates, and differing mapping layers provided.

(ii) Private lands enrolled in the Gunnison Sage-Grouse Conservation Agreement with Assurances as of December 22, 2014, and those subject to a permanent conservation easement as of August 28, 2013, or subject to the Ute Mountain Ute Tribe's Species Management Plan for Pinecrest Ranch on December 22, 2014, are excluded from designation pursuant to section 4(b)(2) of the Act, but adjacent lands are not.

(iii) The coordinates or plot points or both on which each map is based are available to

the public at the Service's internet site, (*http://www.fws.gov/mountain-prairie/species/birds/gunnisonsagegrouse/*), *http://www.regulations.gov* at Docket No. FWS–R6–ES–2011–0111, and at the field office responsible for this designation. You may obtain field office location information by contacting one of the Service regional offices, the addresses of which are listed at 50 CFR 2.2.

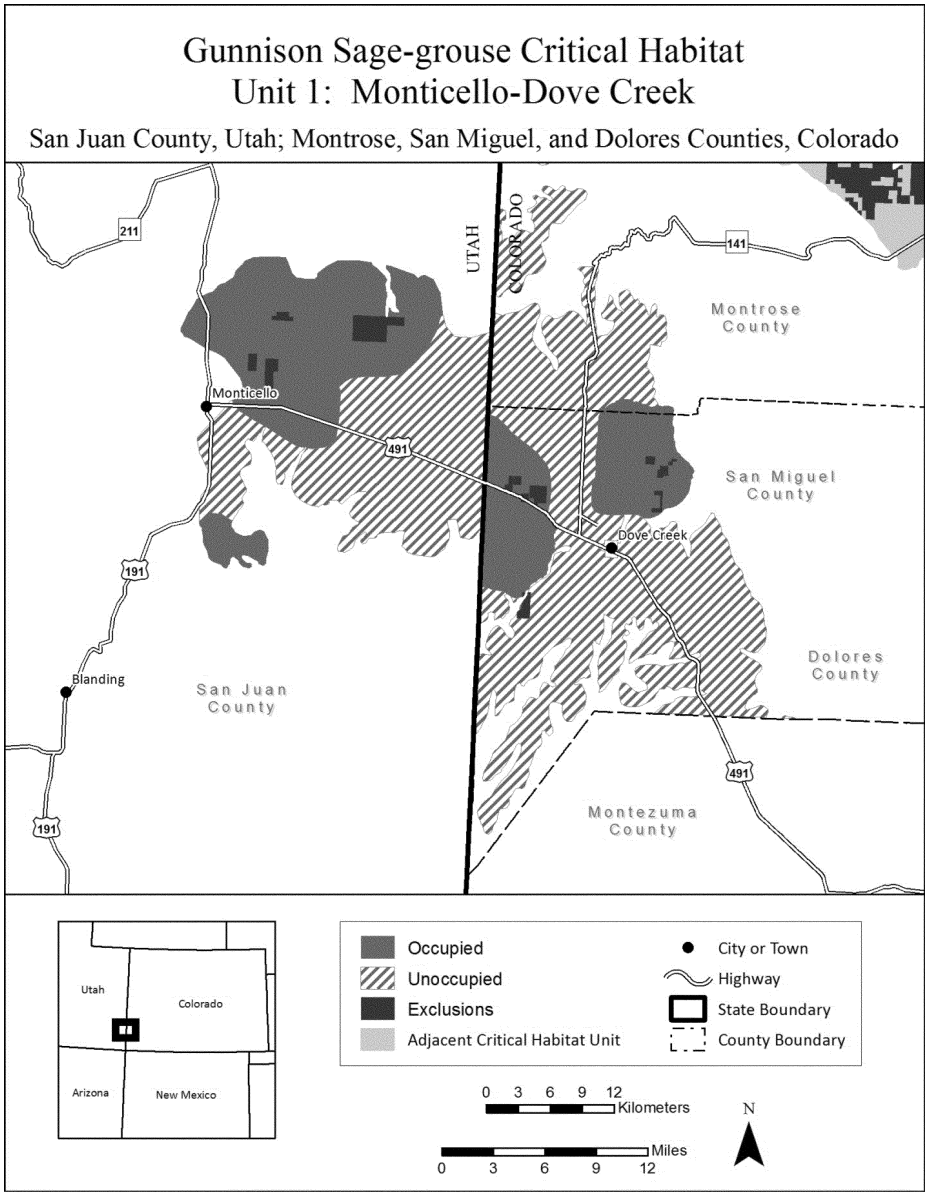
(5) NOTE: Index map follows:



(6) Unit 1: Monticello-Dove Creek: San Juan County, Utah, and Montrose, San Miguel, and Dolores Counties, Colorado.

(i) *General Description:* 343,000 ac (138,807 ha); 24.0 percent of all critical habitat.

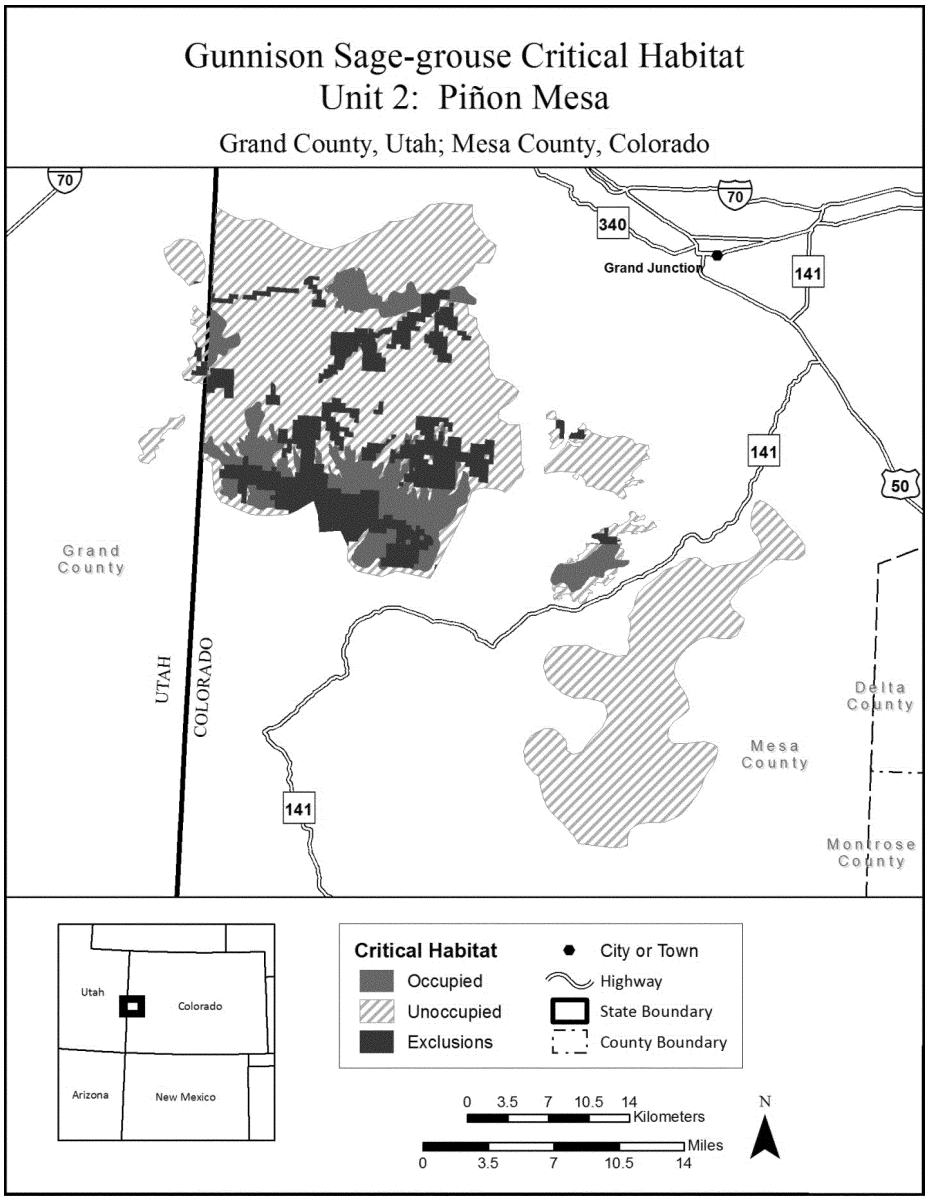
(ii) Map of Unit 1, Monticello-Dove Creek: San Juan County, Utah, and Montrose, San Miguel, and Dolores Counties, Colorado, follows:



(7) Unit 2: Piñon Mesa: Grand County, Utah, and Mesa County, Colorado.

(i) *General Description:* 207,792 ac (84,087 ha); 14.5 percent of all critical habitat.

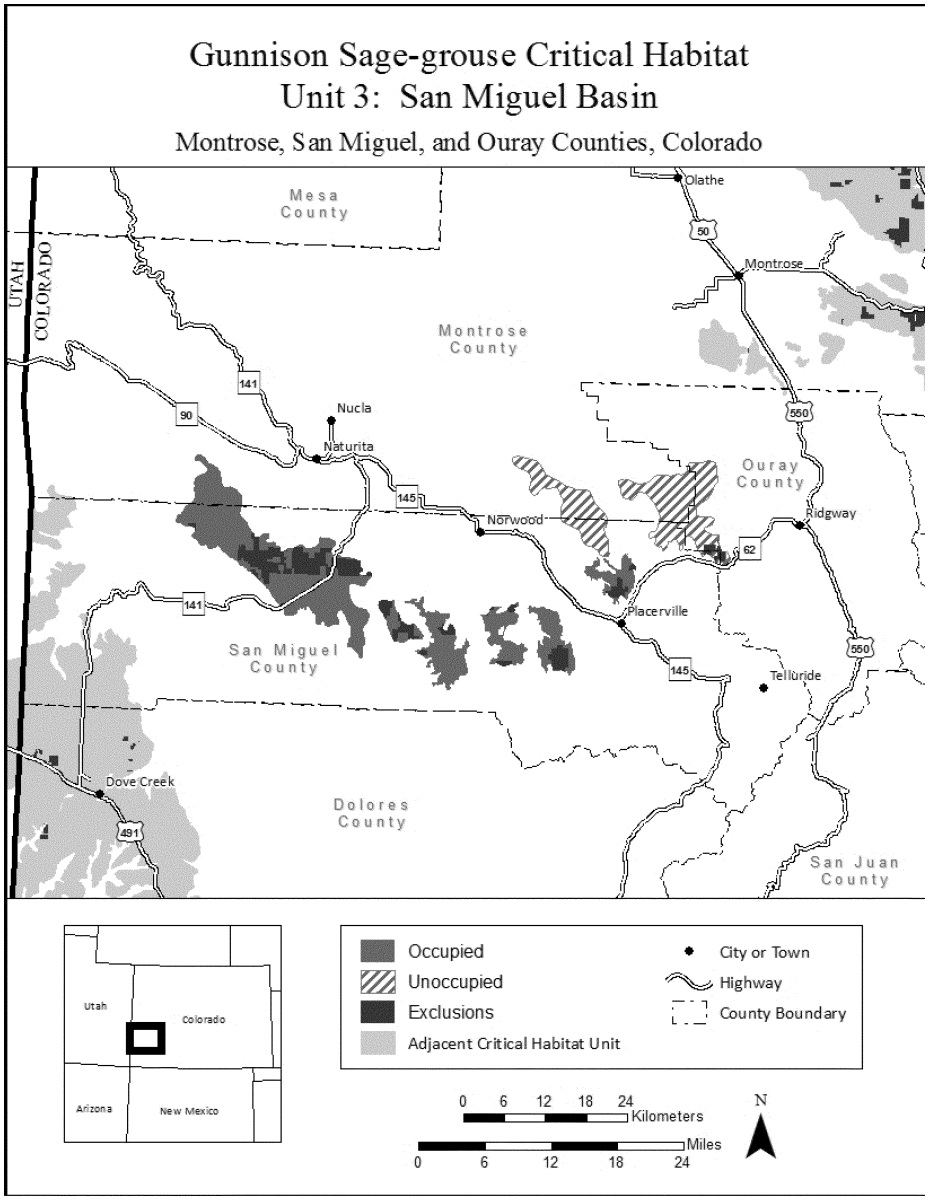
(ii) Map of Unit 2, Piñon Mesa: Grand County, Utah, and Mesa County, Colorado, follows:



(8) Unit 3: San Miguel Basin: Montrose, San Miguel, and Ouray Counties, Colorado.

(i) *General Description:* 121,929 ac (49,343 ha); 8.5 percent of all critical habitat.

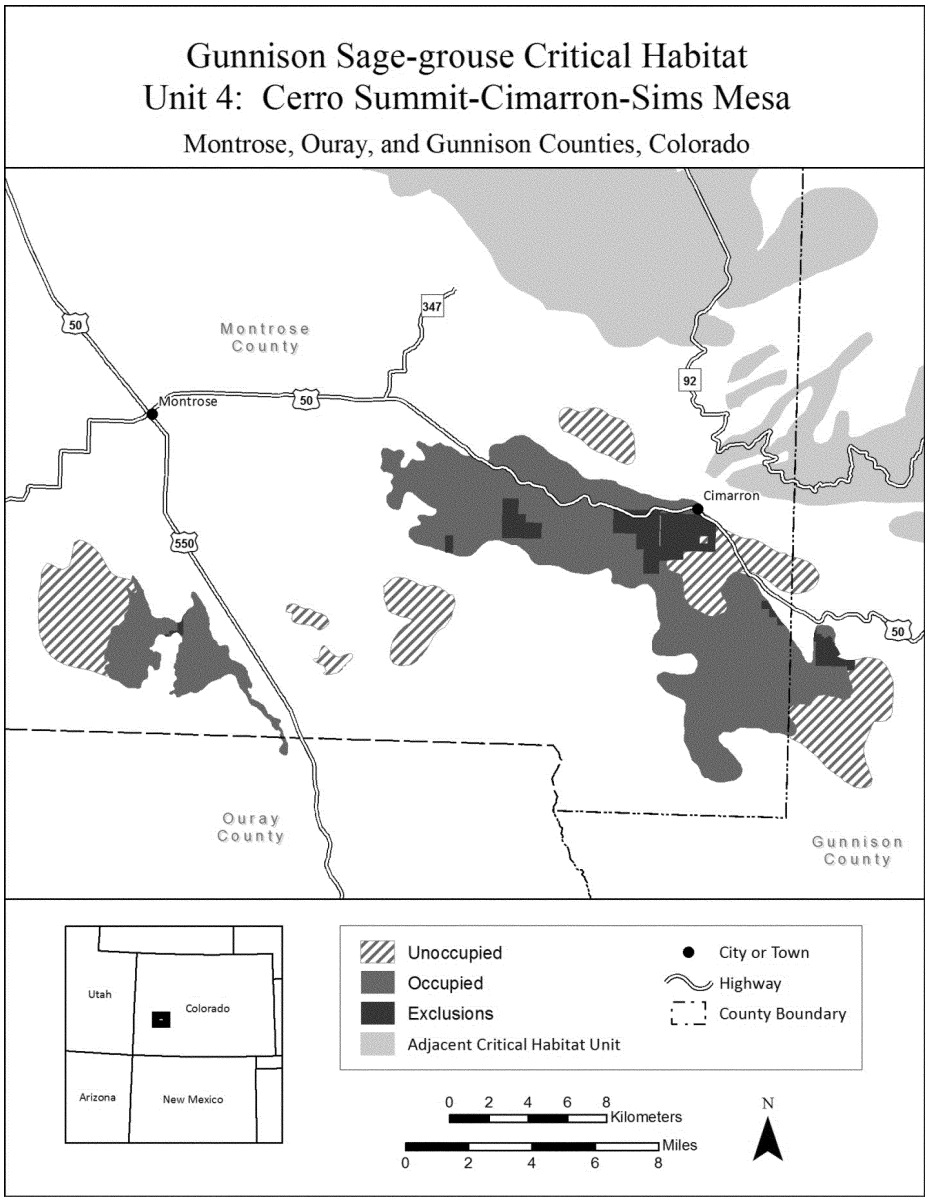
(ii) Map of Unit 3, San Miguel Basin: Montrose, San Miguel, and Ouray Counties, Colorado, follows:



(9) Unit 4: Cerro Summit-Cimarron-Sims Mesa: Montrose, Ouray, and Gunnison Counties, Colorado.

(i) *General Description:* 52,544 ac (21,264 ha); 3.7 percent of all critical habitat.

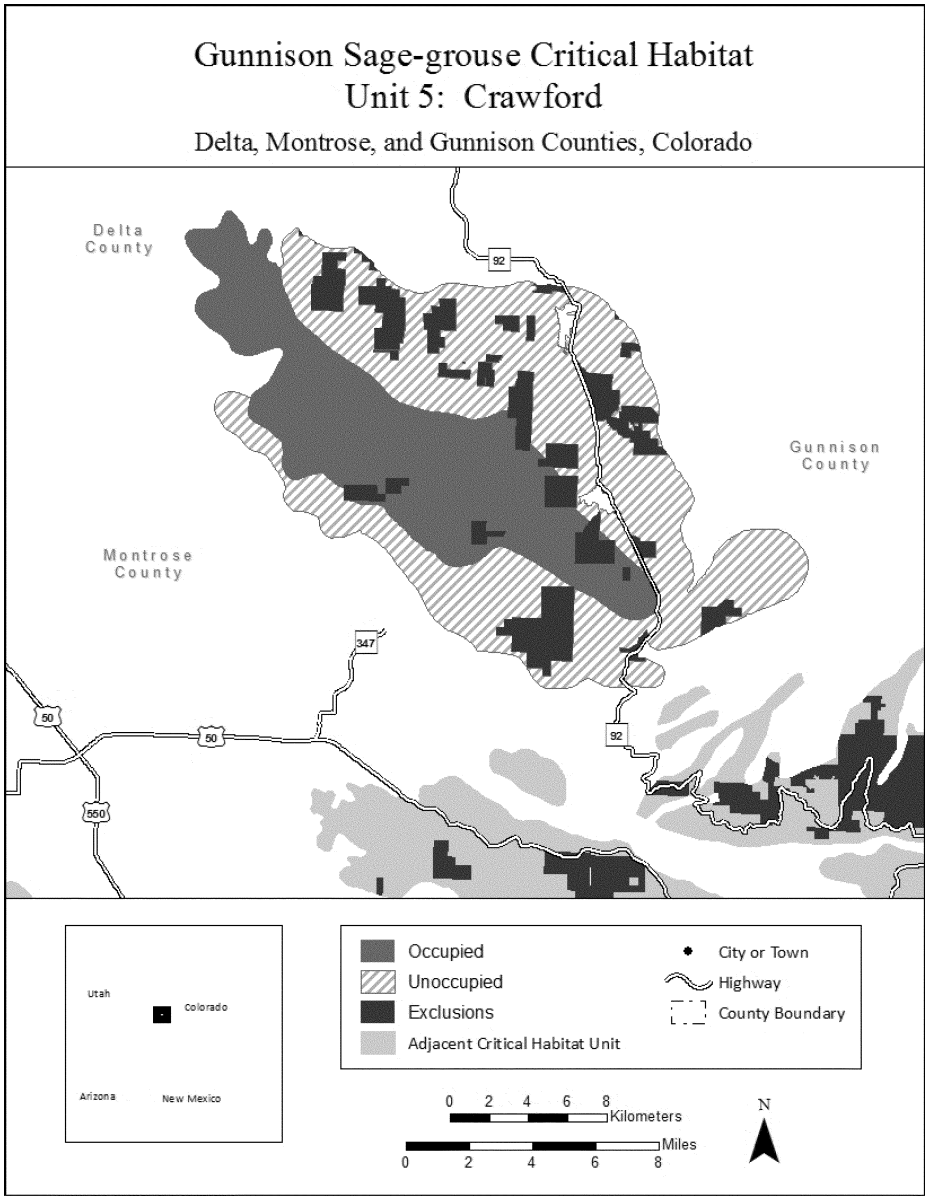
(ii) Map of Unit 4, Cerro Summit-Cimarron-Sims Mesa: Montrose, Ouray, and Gunnison Counties, Colorado, follows:



(10) Unit 5: Crawford: Delta, Montrose, and Gunnison Counties, Colorado.

(i) *General Description:* 83,671 ac (33,860 ha); 5.9 percent of all critical habitat.

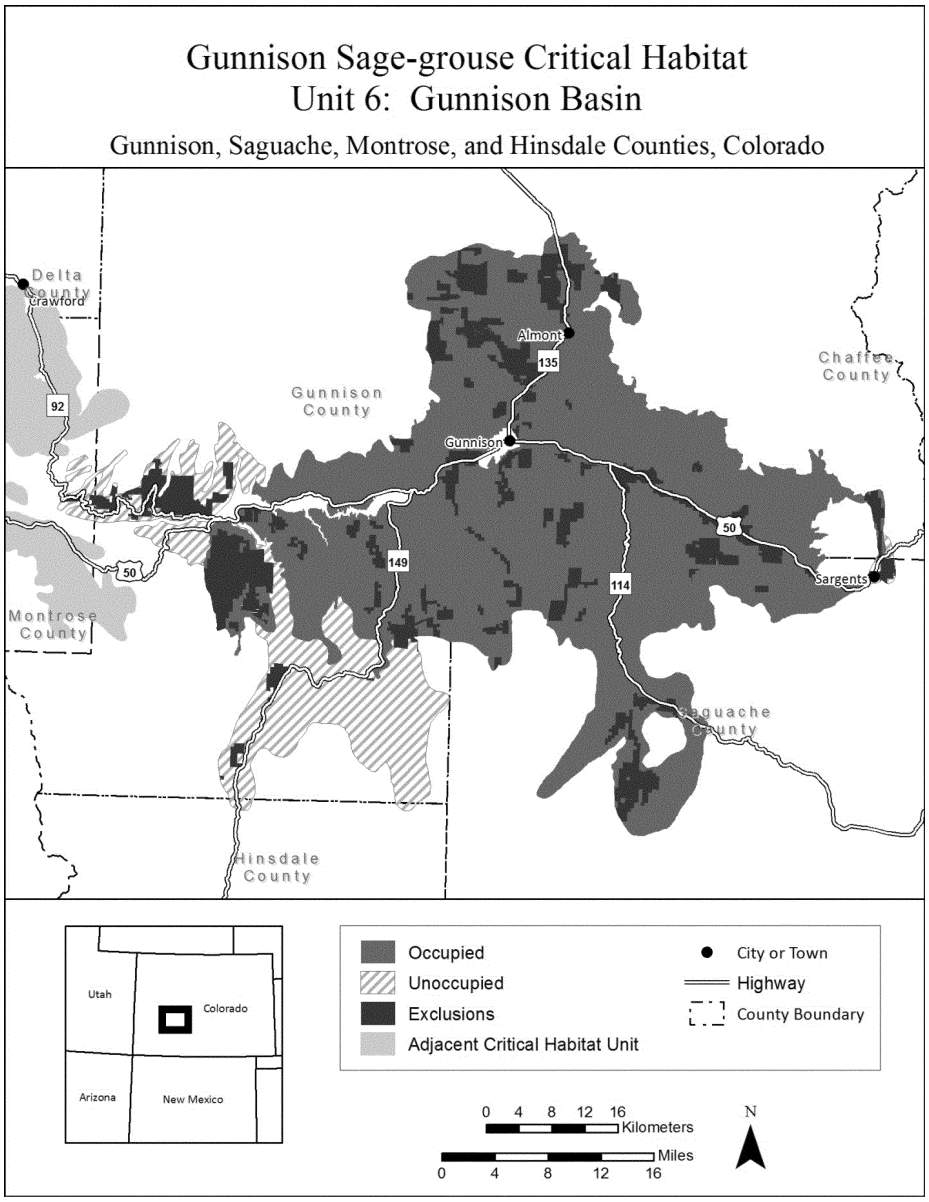
(ii) Map of Unit 5, Crawford: Delta, Montrose, and Gunnison Counties, Colorado, follows:



(11) Unit 6: Gunnison Basin: Gunnison, Saguache, Montrose, and Hinsdale Counties, Colorado.

(i) *General Description:* 620,616 ac (251,154 ha); 43.4 percent of all critical habitat.

(ii) Map of Unit 6, Gunnison Basin: Gunnison, Saguache, Montrose, and Hinsdale Counties, Colorado, follows:



CAPE SABLE SEASIDE SPARROW (*Ammodramus maritimus mirabilis*)

(1) Critical habitat units are depicted for Miami-Dade County, Florida, on the map at paragraph (10) of this entry.

(2) The primary constituent elements of critical habitat for the Cape Sable seaside sparrow are the habitat components that provide:

(i) Calcitic marl soils characteristic of the short-hydroperiod freshwater marl prairies of the southern Everglades;

(ii) Herbaceous vegetation that includes greater than 15 percent combined cover of live and standing dead vegetation of one or more of the following species (when measured across an area of greater than 100 ft^2 (9.3 m^2)): Muhly grass (*Muhlenbergia filipes*), Florida little bluestem (*Schizachyrium rhizomatum*), black-topped sedge (*Schoenus nigricans*), and cordgrass (*Spartina bakeri*);

(iii) Contiguous open habitat (Sparrow subpopulations require large, expansive, contiguous habitat patches with few or sparse woody shrubs or trees.); and

(iv) Hydrologic regime such that the water depth, as measured from the water surface down to the soil surface, does not exceed 7.9 inches (20 cm) for more than 30 days during the period from March 15 to June 30 at a frequency of more than 2 out of every 10 years.

(3) Critical habitat does not include manmade structures (such as buildings, aqueducts, airports, roads, and other paved areas) and the land on which they are located on the effective date of this rule and not containing one or more of the primary constituent elements.

(4) Critical Habitat Map Units. Data layers defining map units were created using a GIS and adding activity areas around all Cape Sable seaside sparrow point count survey coordinates provided by the National Park Service at which sparrows have been recorded since 1981. These activity areas were merged to form one large polygon, and the boundaries were further refined by delineating suitable sparrow habitat and excluding unsuitable habitat along the borders based on interpretation of 2004 Florida Digital Orthographic Quarter Quads and Landsat false-color satellite imagery (a mosaic of color-balanced Landsat 7 Enhanced Thematic Mapper scenes from December 2003 to April 2004 using bands 5, 4, and 3). The projection represented in all mapping of units is Universal Transverse Mercator (UTM) Zone 17 North, NAD 83 Datum.

(5) Unit 1—Subpopulation B.

(i) *General description:* Unit 1—subpopulation B consists of 39,053 ac (15,804 ha) of marl prairie habitat that lies within Everglades National Park in southwestern Miami-Dade County.

(ii) [Reserved]

(6) Unit 2—Subpopulation C.

(i) *General description:* Unit 2—subpopulation C consists of 7,951 ac (3,218 ha) of marl prairie habitat that lies within Everglades National Park in western Miami-Dade County.

(ii) [Reserved]

(7) Unit 3—Subpopulation D.

(i) *General description:* Unit 3—subpopulation D consists of 10,700 ac (4,330 ha) of marl prairie habitat that lies within the Southern Glades Wildlife and Environmental Area and Everglades National Park, in southern Miami-Dade County, as depicted on Map 1.

(ii) [Reserved]

(8) Unit 4—Subpopulation E.

(i) *General description:* Unit 4—subpopulation E consists of 22,278 ac (9,016 ha) of marl prairie habitat that lies within Everglades National Park in central Miami-Dade County.

(ii) [Reserved]

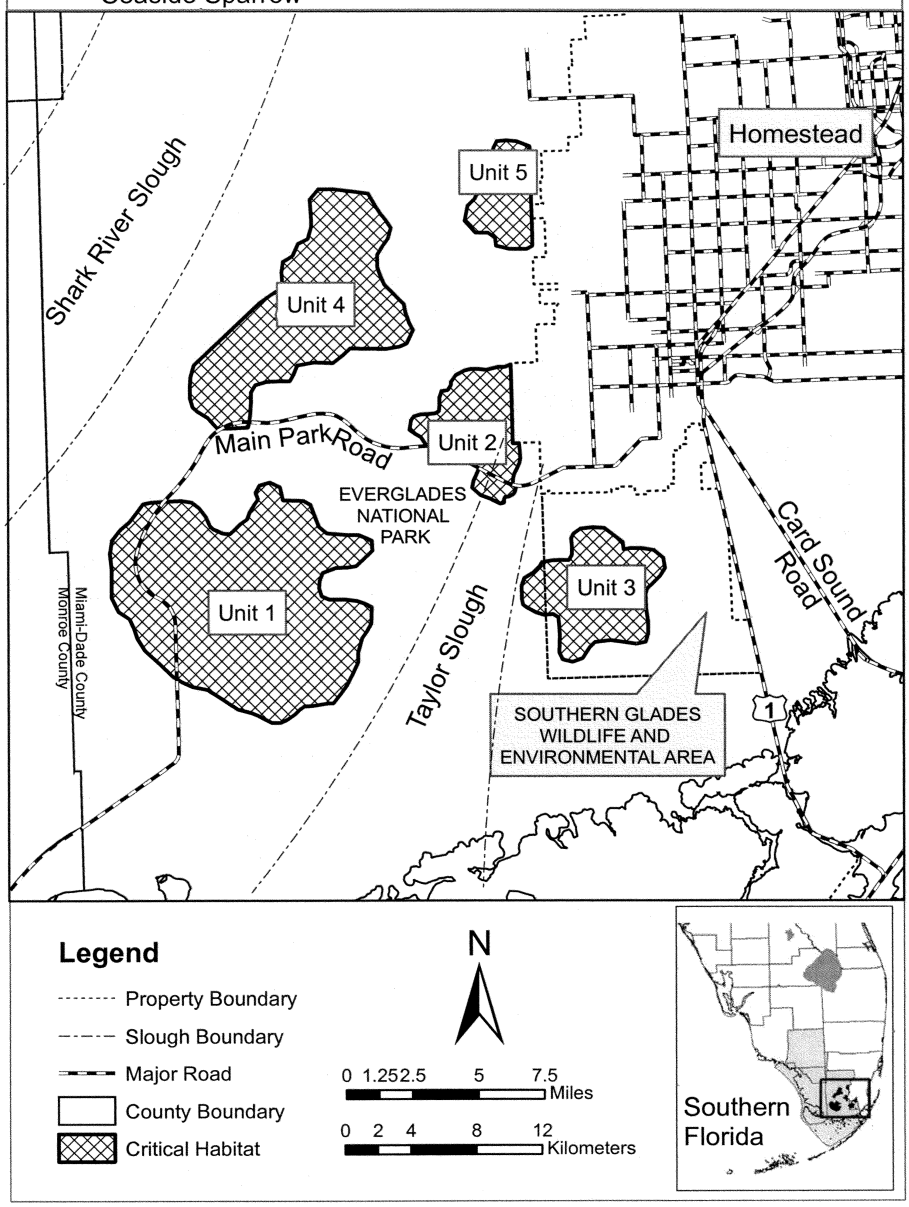
(9) Unit 5—Subpopulation F.

(i) *General description:* Unit 5—subpopulation F consists of 4,883 ac (1,976 ha) of marl prairie habitat that lies along the eastern boundary of Everglades National Park in central Miami-Dade County.

(ii) [Reserved]

(10) Map of Designated Units follows:

Map 1. Designated Critical Habitat Units for the Cape Sable Seaside Sparrow



INYO BROWN TOWHEE (*Pipilo fuscus eremophilus*)

California, Inyo County: lands within and adjacent to the China Lake Naval Weapons Center identified as follows:

(1) Approximately 2.0 miles of streambed and ⅛ mile on either side of the wash from Margaret Ann Spring and proceeding downstream to the eastern boundary of Section 3 near Snooky Spring. The above includes portions of Sections 3, 4, 9, and 10, T23S R42E. (Map location A)

(2) A circle ⅛ mile in radius with the spring in T23S R42E W½ NE¼ Section 8 as the center. (Map location B)

(3) Approximately 2 miles of streambed and ⅛ mile on either side of the wash from Ruby Spring (T23S R42E, Section 22) and proceeding downstream to the boundary between Sections 25 and 26. The above includes portions of Sections 22, 23, 25, and 26, T23S R42E. (Map location C)

(4) A circle ⅛ mile in radius with Quail Spring as the center in T23S R42E, NE¼ Section 28. (Map location D)

(5) A circle ⅛ mile in radius with Benko Spring as the center in T23S R42E, Sections 34 and 35. (Map location E)

(6) A circle ⅛ mile in radius with Bench Mark 5485 (some USGS maps report this as 5484) near the common boundary of Sections 31 and 32, T23S R42E, as the center and lying within Sections 31 and 32. (Map location F)

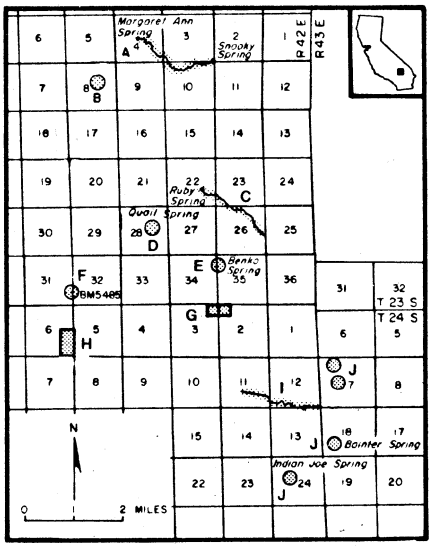
(7) T24S R42E, NW¼ NW¼ Section 2 and NE1/4 NE1/4 Section 3. (Map location G)

(8) T24S R42E, E½ SE¼ Section 6. (Map located H)

(9) Approximately 1.8 miles of streambed and ⅛ mile on either side of Great Falls Basin Wash commencing from the western boundary of E½ Section 11, T24S R42E, and proceeding downstream along the streambed to the eastern boundary of Section 13. The above includes portions of Sections 11, 12, 13, and 14, T24S R42E. (Map location I)

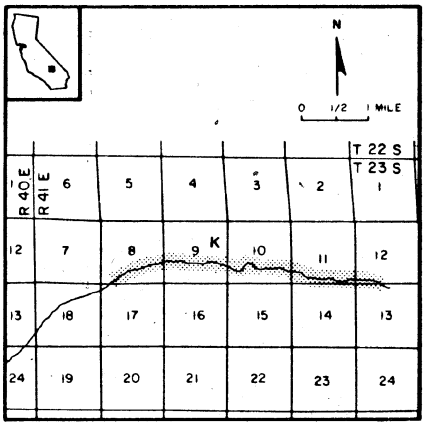
(10) Circles with ⅛ mile radii around Mumford and Austin Springs in T24S R43E, Section 7 and Bainter Spring in Section 18 and around Indian Joe Spring in T24S R42E Section 24. (Map locations J)

NOTE: The map provided is for informational purposes only.



(11) Approximately 5 miles of streambed and ⅛ mile on either side of Mountain Springs Canyon commencing from the southern border of Section 8 and continuing along the streambed to the point at which Mountain Springs Canyon Wash intersects the eastern boundary of SW¼ Section 12. The above includes portions of Sections 8, 9, 10, 11, 12, 13, 14, and 17, T23S R41E. (Map location K)

NOTE: The map provided is for informational purposes only.



Major constituent element: desert riparian scrub vegetation.

LEAST BELL'S VIREO (*Vireo bellii pusillus*)

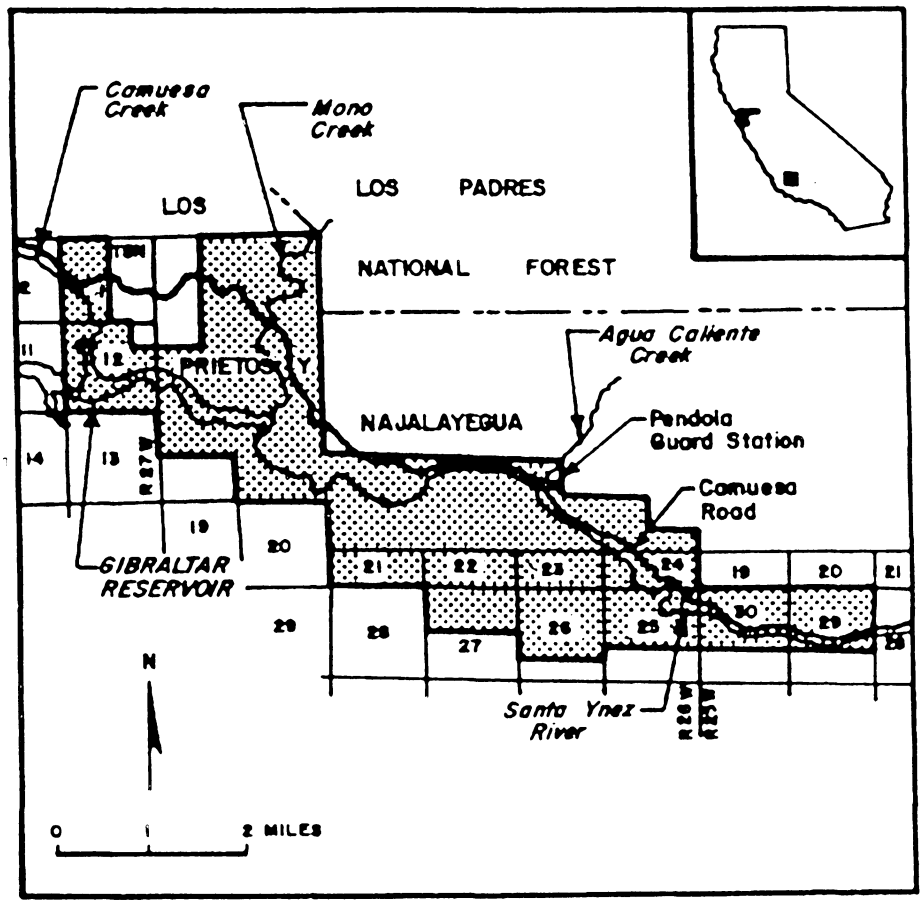
California. The maps provided in this entry are for informational purposes only. Areas of land and water as follows:



1. Santa Ynez River, Santa Barbara County (Index map location A).

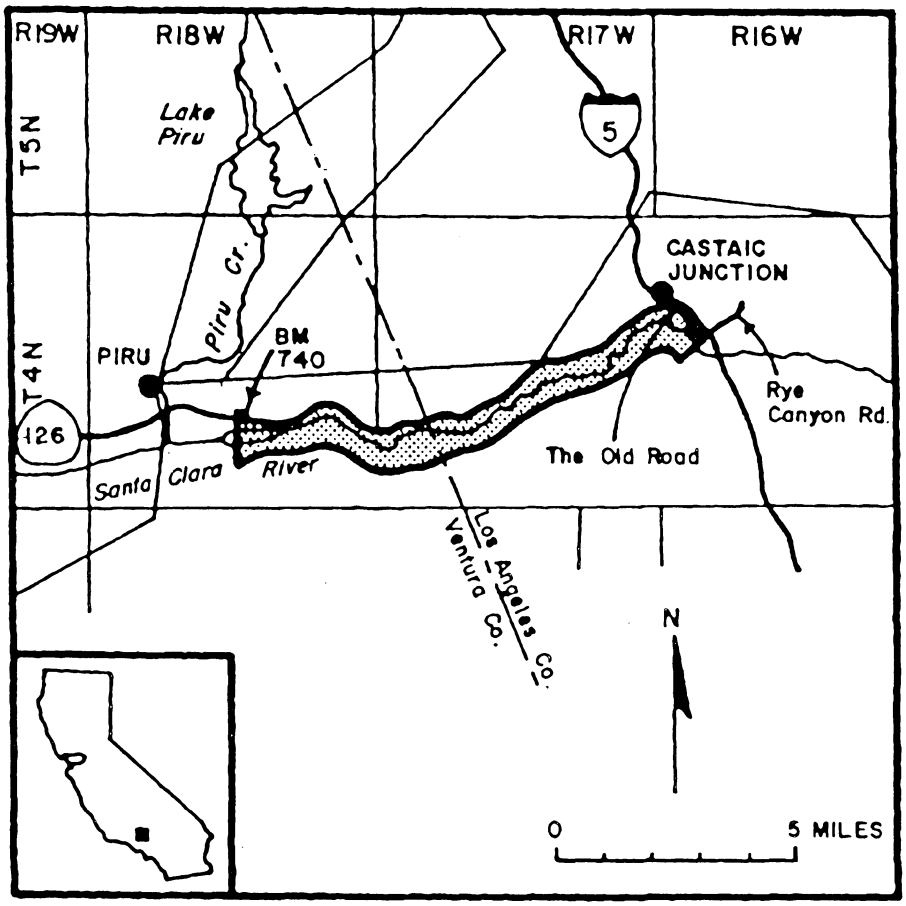
T. 5 N., R. 27 W.: secs. 1, W½, and 12, all except NE¼. In addition, all adjacent lands within the following circumscribed area: beginning at a point 0.25 mi south of the northeast corner of sec. 12, T. 5 N., R. 27 W.; thence east about 0.5 mi; thence north about 1.25 mi; thence east approximately 1.3 mi to the intersection of Mono Creek and the Los Prietos Y Najalayegua land grant boundary; thence south about 2.5 mi; thence east approximately 2.6 mi to Agua Caliente Creek (at a point about 0.4 mi north and 0.1 mi east of the Pendola Guard Station); thence south about 0.5 mi; thence east about 1.0 mi; thence south about 0.25 mi; thence east about 0.5 mi; thence south about 0.75 mi to the southwest corner of T. 5 N., R. 25 W., sec. 19; thence east to the southeast corner of T. 5 N., R. 25 W., sec 20; thence south about 0.63 mi; thence west to western boundary of T. 5 N., R. 26 W., sec. 25; thence south about 0.16 mi; thence west to eastern boundary of T. 5 N., R. 26 W., sec. 27; thence north about 0.25 mi; thence west to western boundary of T. 5 N., R. 26 W., sec. 27; thence north to the northeastern corner of T. 5 N., R. 26 W., sec.

27; thence north to the northeastern corner of T. 5 N., R. 26 W., sec. 28; thence west to the northwest corner of T. 5 N., R. 26 W., sec. 28; thence north to the northeast corner of T. 5 N., R. 26 W., partially unsurveyed sec. 20; thence west to the northeast corner of T. 5 N., R. 26 W., unsurveyed sec. 19; thence north about 0.5 mi; thence west to the southeast corner of T. 5 N., R. 27 W., sec. 13, NE¼; and thence north to the southeast corner of T. 5 N., R. 27 W., sec. 12.



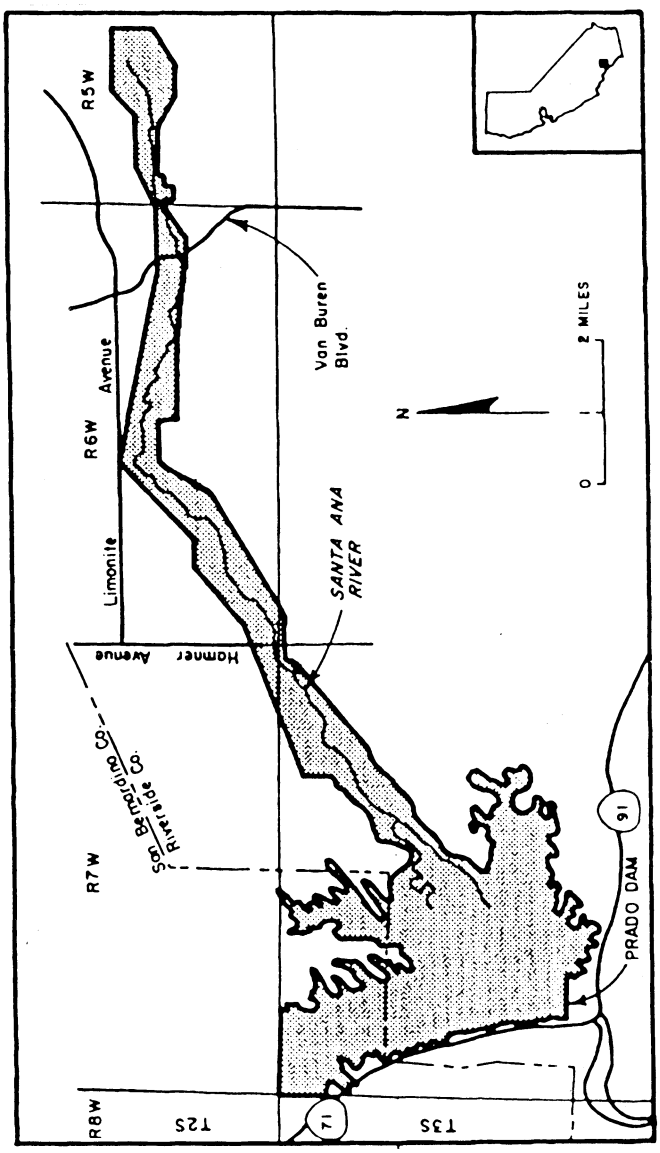
2. Santa Clara River, Los Angeles and Ventura Counties (Index map location B).

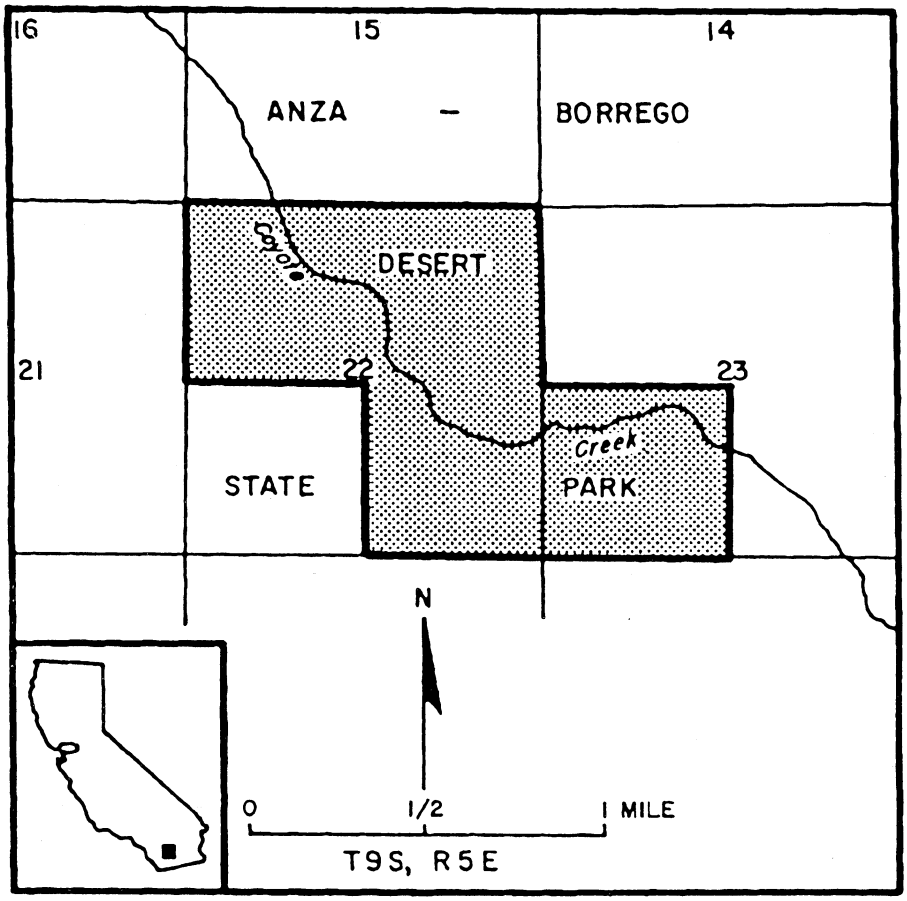
T. 4 N., Rs. 17 and 18 W.: all land within 3,500 feet perpendicularly and generally southward or westward of a line commencing at a point 100 yards west of BM 740 (a point about 2.3 mi east of the intersection of Main Street and State Highway 126 in Piru); thence east along State Highway 126 to its intersection with The Old Road at Castaic Junction; and thence eastward and southward along The Old Road to its intersection with Rye Canyon Road.



3. Santa Ana River, Riverside and San Bernardino Counties (Index map location C).

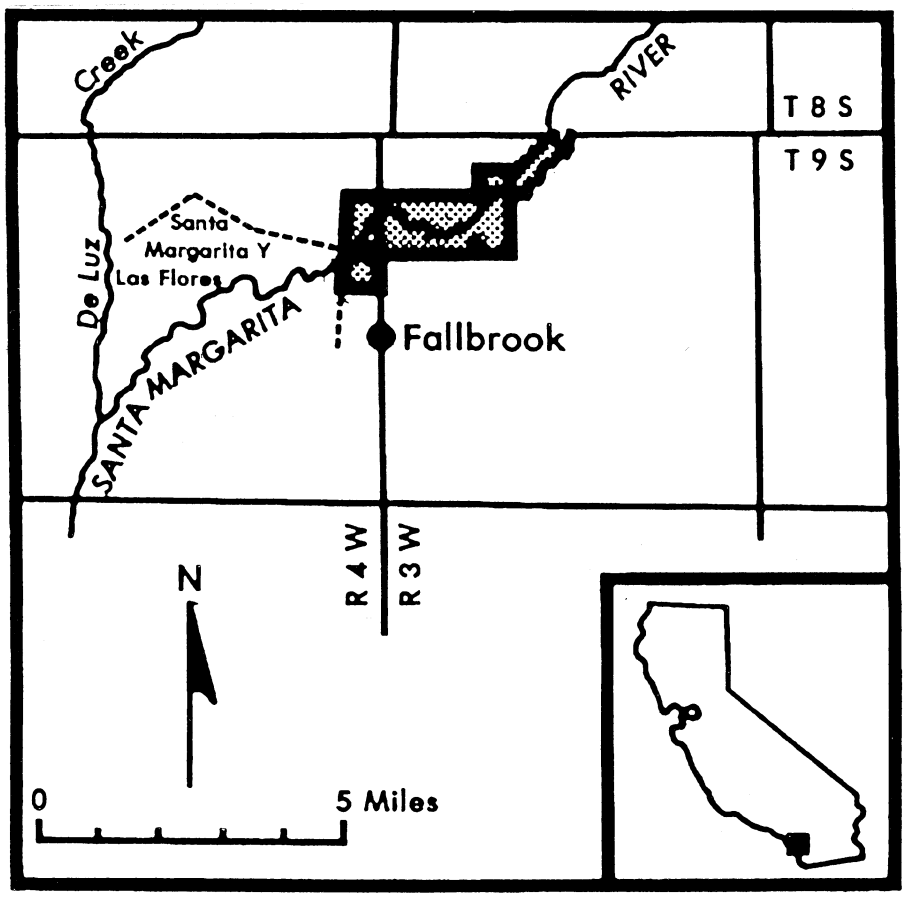
All lands below the 543-foot contour in partially surveyed T. 3 S., R. 7 W., within the Prado Flood Control Basin (upstream from Prado Dam). In addition, the following adjacent lands above the 543-foot contour in the Santa Ana River bottom and within the following boundaries: commencing at a point 0.1 mi east and 0.2 mi north of the southwest corner of sec. 2, T. 3 S., R. 7 W.; thence north about 0.4 mi; thence to a point 0.25 mi east and 0.4 mi north of southwest corner of sec. 31, T. 2 S., R. 6 W.; thence to the northeast corner of sec. 31, T. 2 S., R. 6 W.; thence east 0.35 mi; thence to midpoint of southern section line of sec. 21, T. 2 S., R. 6 W.; thence to a point 0.6 mi south of the northwest corner of sec. 25, T. 2 S., R. 6 W.; thence east about 0.6 mi; thence to a point 0.2 mi north of the center of sec. 30, T. 2 S., R. 5 W.; thence east about 0.7 mi; thence to a point 0.6 mi east of the southwest corner of sec. 20, T. 2 S., R. 5 W.; thence east about 0.8 mi; thence 0.6 mi south; thence to a point 0.3 mi north of the southwest corner of sec. 28, T. 2 S., R. 5 W.; thence to a point 0.45 mi north of the southwest corner of sec. 29, T. 2 S., R. 5 W.; thence generally westward and southward along the Riverside Corporation Boundary (as shown on USGS Riverside Quadrangle 1980) to its intersection with Van Buren Blvd.; thence to a point 0.2 mi east and 0.75 mi south of the northwest corner of sec. 27, T. 2 S., R. 6 W.; thence 0.25 mi north; thence 0.7 mi west; thence to a point 0.85 mi north of the southwest corner of sec. 32, T. 2 S., R. 6 W.; thence to a point 0.75 mi west and 0.1 mi south of the northeast corner of sec. 6, T. 3 S., R. 6 W.; thence 0.5 mi west; and thence to the 543-foot contour at a point 0.3 mi west of the southeast corner of sec. 2, T. 3 S., R. 7 W.


R5W
R6W
R7W
R8W
T2S
T3S
Van Buren Blvd.
Avenue
Limonite
Hamner Avenue
SANTA ANA RIVER
San Bernardino Co.
Riverside Co.
PRADO DAM
71
91
N
0
1
2 MILES



4. Coyote Creek, San Diego County (Index map location D).

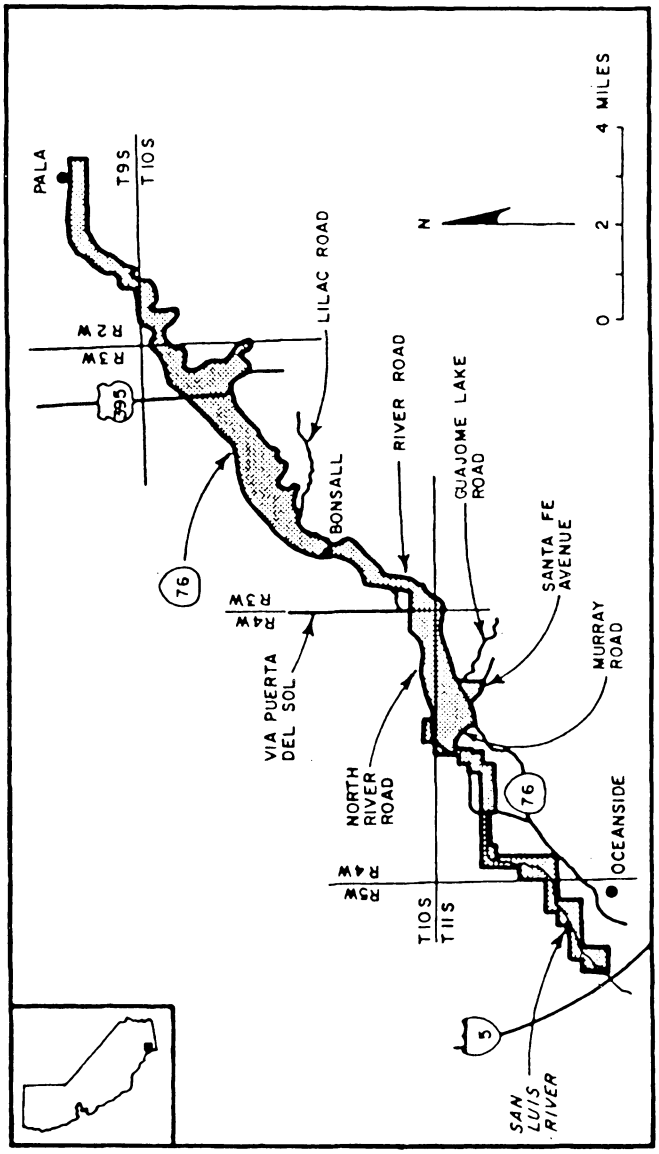
T. 9 S., R. 5 E.: secs. 22, N½, SE¼; and 23, SW¼.



5. Santa Margarita River, San Diego County (Index map location E).

T. 9 S., R. 3 W.: secs. 4, all lands below the 600-foot contour; 5 SE¼; 7; and 8.

In T. 9 S., R. 4 W., Sec. 12 E½; 13 NE¼.



6. San Luis Rey River, San Diego County (Index map location F).

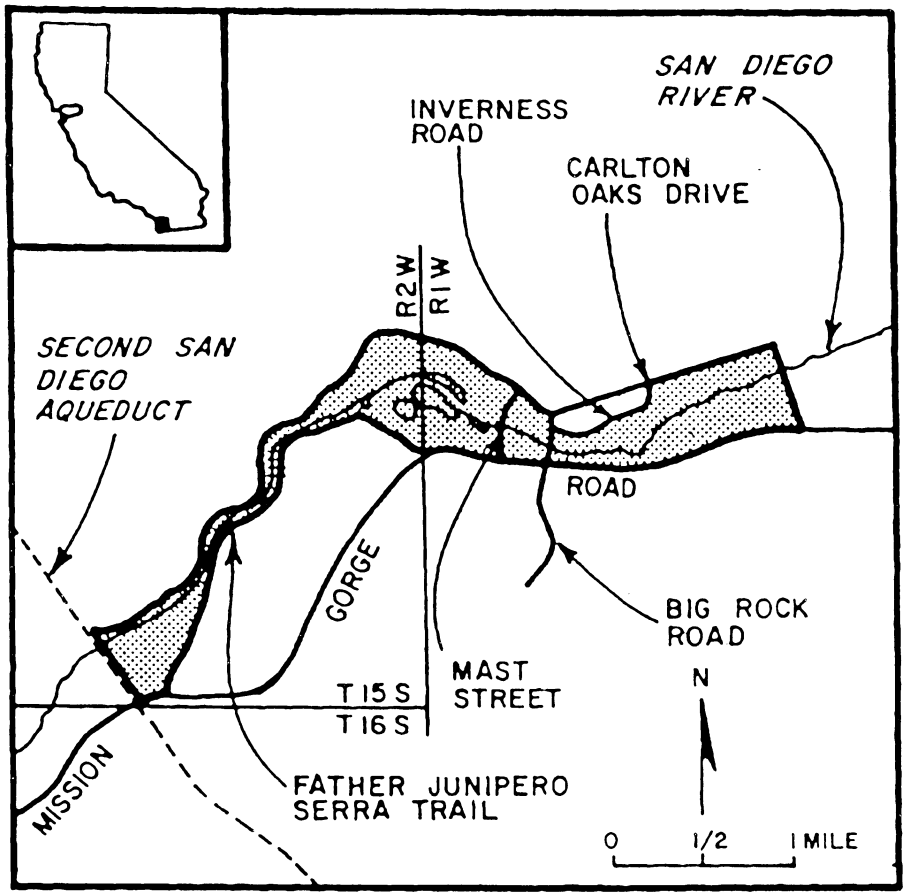
T. 11 S., R. 5 W.: secs. 13, S½NE¼, SE¼NW¼, SW¼; 14, SE¼SW¼, S12SE¼; and 23, NW¼.

T. 11 S., R. 4 W.: secs. 3, all land north of Murray Road; 4, E½NE¼, E½SE¼SW¼, W½NE¼SE¼, E½NW¼SE¼, SW¼SE¼; 7, N½NE¼NE¼, NW¼NE¼, E½W½, SW¼SW¼; 8, N½NE¼, N½N½NW¼; 9, N½NW¼; and 18, NW¼.

T. 10 S., R. 4 W.: sec. 34, S1/2SW¼.

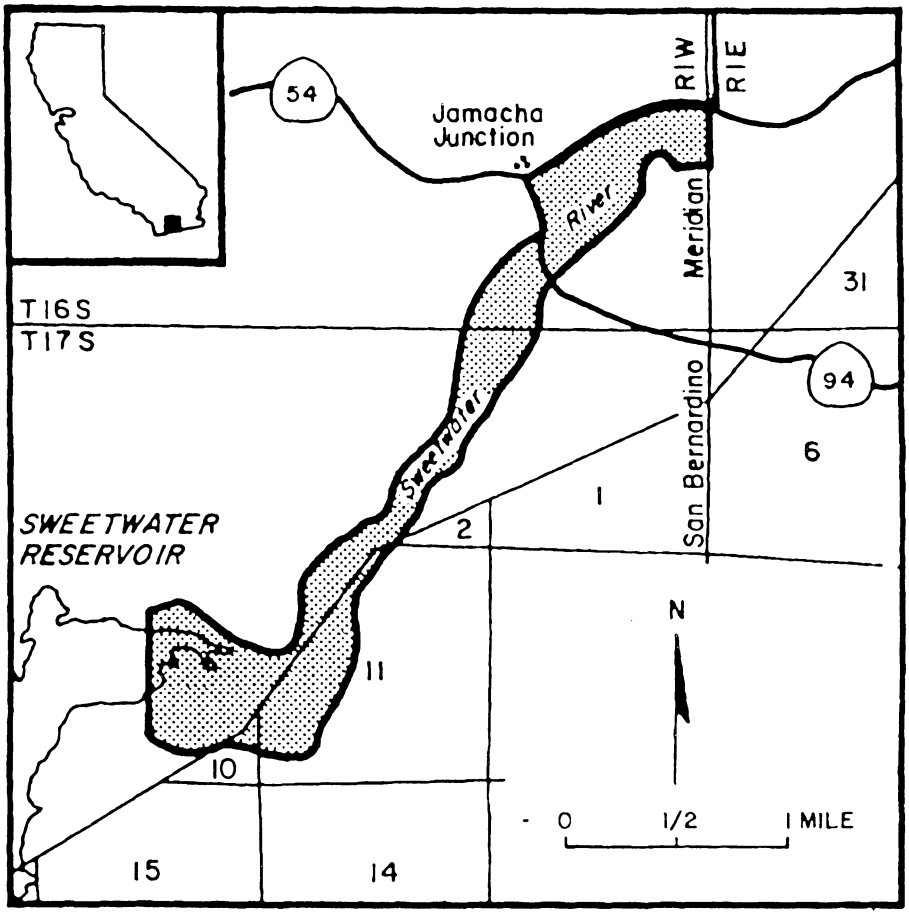
Surveyed and unsurveyed portions according to the following metes and bounds: bordered on the north by a line commencing at the intersection of North River Road and the surveyed eastern section line of sec. 3, T. 11 S., R. 4 W.; thence east along said road to its

junction with Via Puerta Del Sol; thence east approximately 0.5 mi to State Highway 76 nearest the midpoint of sec. 31, T. 10 S., R. 3 W.; thence northward and eastward along said highway to its intersection with the eastern section line of sec. 27, T. 9 S., R. 2 W.; and bordered on the south by a line commencing at the intersection of Murray Road and the surveyed eastern section line of sec. 3, T. 11 S., R. 4 W.; thence southward and eastward along said road to its junction with State Highway 76; thence eastward and northward along said highway to its junction with Santa Fe Avenue; thence southeastward 3,000 feet along said avenue; thence northward along a straight line to Guajome Lake Road at a point 800 feet from the junction of said road and State Highway 76; thence northwestward along Guajome Lake Road to its junction with said highway; thence eastward along said highway to its junction with River Road in sec. 31, T. 10 S., R. 3 W.; thence northward along said road to its intersection with the surveyed eastern section line of sec. 20, T. 10 S., R. 3 W.; thence north to and northeasterly along the 250-foot contour in sec. 21 through partially surveyed sec. 15, T. 10 S., R. 3 W.; thence north to a point about 0.2 mi south of the northwest corner of sec. 14 and continuing along the 300-foot contour from the western section line of sec. 14 eastward through unsurveyed sec. 11, surveyed secs. 13 and 12, T. 10 S., R. 3 W.; and surveyed sec. 18, T. 10 S., R. 2 W.; thence east to and along the 325-foot contour through sec. 1, T. 10 S., R. 3 W.; thence south to and along the 350-foot contour in secs. 6 and 5, T. 10 S., R. 2 W., and secs. 32 and 33, T. 9 S., R. 2 W., to the northern section line of sec. 33; thence east approximately 1.5 mi to the southeastern corner of sec. 27, T. 9 S., R. 2 W.; and thence north about 0.4 mi to State Highway 76 in Pala.



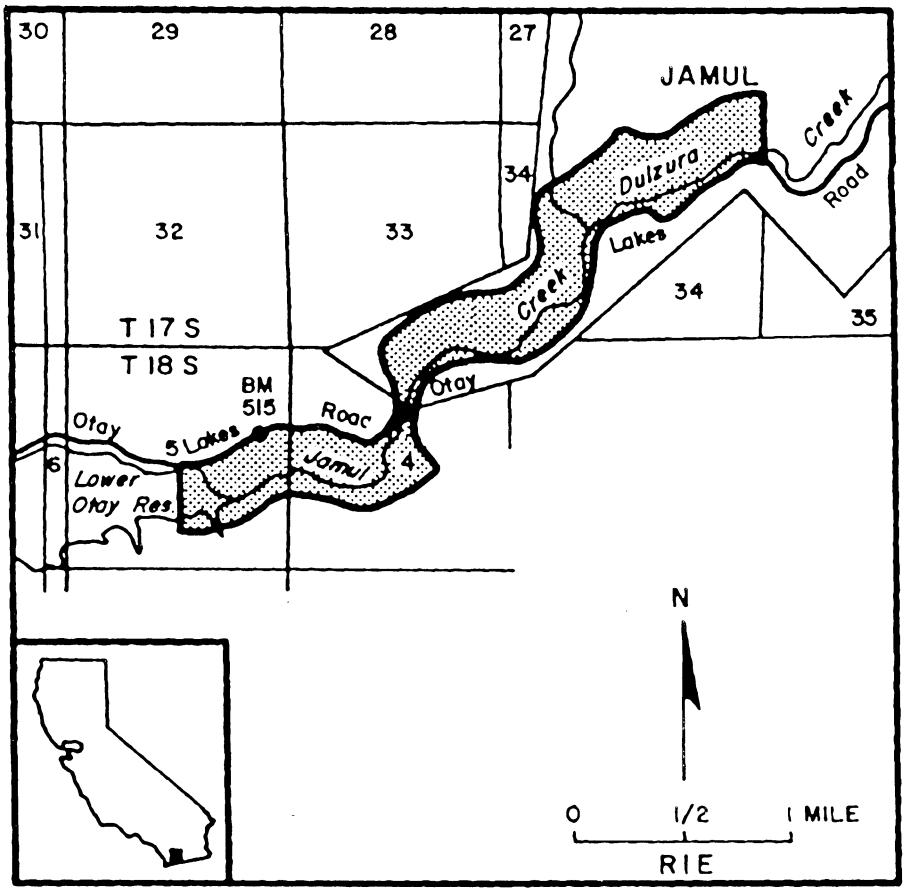
7. San Diego River, San Diego County (Index map location G).

T. 15 S., Rs. 1 and 2 W.: commencing at the intersection of the Second San Diego Aqueduct and Mission Gorge Road; thence eastward along said road to the western-most intersection with Father Junipero Serra Trail; thence northward and eastward along said trail to the eastern-most intersection of said trail and said road; thence eastward along Mission Gorge Road to its intersection with Carlton Hills Blvd.; thence northward to its intersection with Carlton Oaks Drive; thence westward along said drive to its eastern-most intersection with Inverness Road; thence westward along said road to its intersection with Carlton Oaks Drive; thence westward along said drive to its intersection with Mast Street; thence westward and southward along the 320-foot contour to its intersection with the Second San Diego Aqueduct on the north side of the San Diego River; thence southeastward along said aqueduct to its intersection with Mission Gorge Road.



8. Sweetwater River, San Diego County (Index map location H).

T. 16 and 17 S., R. 1 W.: commencing at the intersection of the 320-foot contour and 116o58°14‴ W longitude immediately north of the confluence of Sweetwater River and Sweetwater Reservoir; thence eastward along the contour to the intersection of said contour with State Highway 94; thence northward along said highway to its intersection with State Highway 54; thence northeastward along said highway to the San Bernardino Meridian; thence south approximately 1,500 feet to the intersection with the 340-foot contour; thence westward and southward along said contour to the south end of the Steele Canyon Bridge on State Highway 94; thence south approximately 900 feet to the 340-foot contour; thence southwesterly along said contour to its intersection with 116°58′14″ W longitude; thence north to starting point.



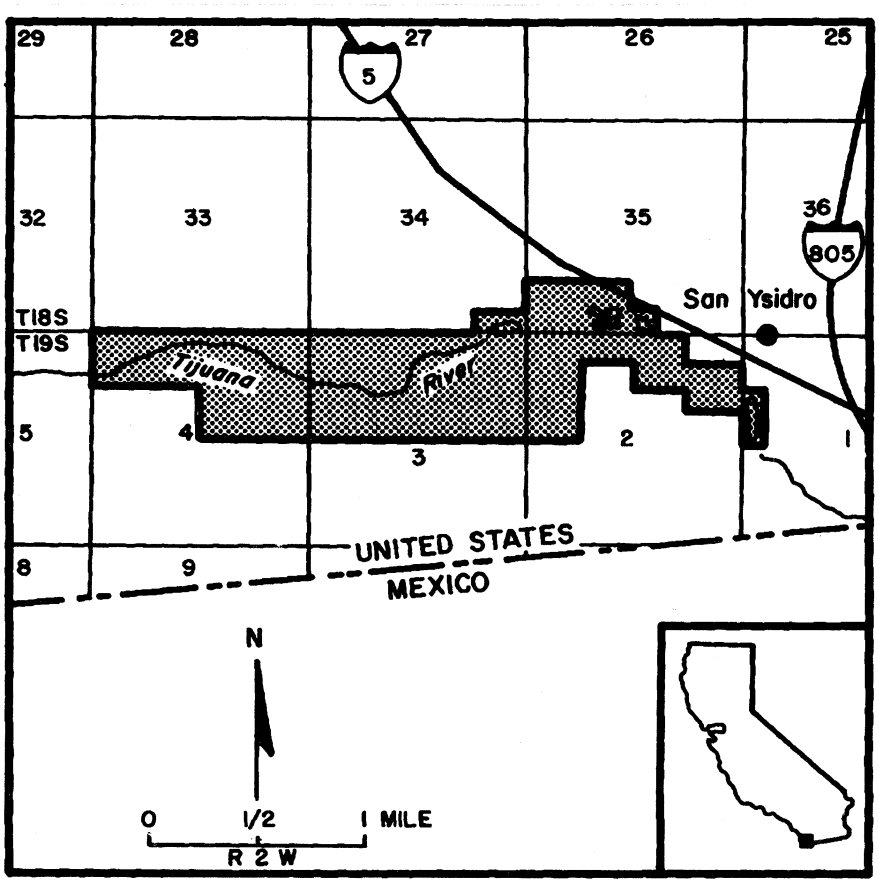
9. Jamul-Dulzura Creeks, San Diego County (Index map location I).

T. 17 and 18 S., R. 1 E.: commencing from a point approximately 2,200 feet west of BM 515 along Otay Lakes Road, in sec. 5, T. 18 S., R. 1 E.; thence east approximately one mile to the crossing of said road at a bridge over Jamul Creek, including all land within 1,500 feet southward of Otay Lakes Road as measured perpendicularly from the road; thence eastward for about 2.4 mi along said road and including all lands within 1,500 feet northward of said road as measured perpendicularly from the road, and including all lands within 500 feet of said bridge not otherwise included above.

10. Tijuana River, San Diego County (Index map location J).

T. 18 S., R. 2 W.: secs. 34, S½SE¼SE¼; and 35, S½SW¼, SW¼SW¼SE¼.

T. 19 S., R. 2 W.: secs. 1, W½SW¼NW¼; 2, S½NE¼NE¼, NW¼NE¼, N½SE¼NE¼, N½NE¼NW¼, W½NW¼; 3, N½; and 4, NE¼, N½NW¼.



Primary constituent elements: riverine and floodplain habitats (particularly willow-dominated riparian woodland with dense understory vegetation maintained, in part, in a non-climax stage by periodic floods or other agents) and adjacent coastal sage scrub,

ROTA BRIDLED WHITE-EYE (*Zosterops rotensis*)

(1) Critical habitat units are depicted for Rota, Commonwealth of the Northern Mariana Islands, on the map below.

(2) The primary constituent elements of critical habitat for the Rota bridled white-eye are the habitat components that provide forest above 490 feet (ft) (150 meters (m)) in elevation containing a midstory and canopy layer, high epiphytic plant volume (typically 11 percent or greater), *Elatostema* and *Procris* spp. on the ground, and *Elaeocarpus joga* (yoga), *Hernandia labyrinthica* (oschal), *Merrilliodendron megacarpum* (faniok), *Pandanus tectorius* (kafu), and/or *Premna obtusifolia* (ahgao) trees as dominant forest components for foraging, sheltering, roosting, and nesting and rearing of young. In addition, the habitat should contain the specific forest components for foraging, nesting, or both, as follows:

(i) Yoga, oschal, faniok, *Macaranga thompsonii* (pengua), ahgao, *Pipturus argenteus* (amahadyan), *Persea americana* (avocado), *Ficus tinctoria* (hodda), *Aglaia mariannensis* (mapunyao), *Eugenia thompsonii* (atoto), *Acacia confusa* (sosugi), and/or *Tarenna sambucina* (sumac-lada) trees, and/or *Bambusa vulgaris* (piao, bamboo) in the canopy or subcanopy for foraging; or

(ii) Yoga, oschal, faniok, and/or sosugi trees 10 to 49 ft (3 to 15 m) tall and 1 to 24

inches (2 to 60 centimeters) diameter at breast height for nesting.

(3) Critical habitat does not include man-made structures (such as buildings, aqueducts, airports, roads, and other paved areas) and the land on which they are located existing on the effective date of this rule and not containing one or more of the primary constituent elements.

CRITICAL HABITAT MAP UNIT

(4) Data layers defining the mapped unit were created on a base of USGS 7.5′ quadrangles, and the critical habitat unit was then mapped using Universal Transverse Mercator (UTM) coordinates.

(5) Rota bridled white-eye critical habitat, Rota, Commonwealth of the Northern Mariana Islands (3,958 ac; 1,602 ha).

(i) Unit excludes 13 areas:

(A) Bounded by the following 13 points (2 ac; 1 ha): 301307, 1564935; 301288, 1564908; 301291, 1564898; 301301, 1564889; 301354, 1564890; 301410, 1564877; 301424, 1564879; 301460, 1564899; 301472, 1564922; 301468, 1564941; 301452, 1564950; 301382, 1564933; 301335, 1564939.

(B) Bounded by the following 48 points (39 ac; 16 ha): 301471, 1564593; 301458, 1564567; 301463, 1564557; 301550, 1564532; 301578, 1564506; 301598, 1564501; 301639, 1564501; 301668, 1564487; 301760, 1564465; 301797, 1564449; 301803, 1564442; 301802, 1564433; 301789, 1564410; 301787, 1564397; 301798, 1564388; 301812, 1564387; 301824, 1564395; 301844, 1564426; 301857, 1564432; 301920, 1564441; 301980, 1564460; 302041, 1564447; 302081, 1564449; 302122, 1564459; 302169, 1564479; 302242, 1564523; 302338, 1564565; 302377, 1564592; 302400, 1564618; 302417, 1564647; 302427, 1564679; 302426, 1564699; 302418, 1564724; 302403, 1564740; 302363, 1564757; 302332, 1564757; 302269, 1564741; 302146, 1564681; 302059, 1564655; 302017, 1564655; 301908, 1564682; 301866, 1564674; 301831, 1564660; 301713, 1564582; 301660, 1564566; 301613, 1564561; 301554, 1564564; 301516, 1564572.

(C) Bounded by the following 47 points (58 ac; 23 ha): 301566, 1564945: 301569, 1564920; 301578, 1564904; 301624, 1564888; 301649, 1564857; 301660, 1564850; 301679, 1564850; 301706, 1564888; 301726, 1564892; 301744, 1564883; 301754, 1564864; 301759, 1564836; 301777, 1564825; 301824, 1564810; 301963, 1564798; 301986, 1564807; 302011, 1564845; 302030, 1564859; 302105, 1564881; 302150, 1564885; 302309, 1564864; 302407, 1564883; 302422, 1564895; 302444, 1564926; 302462, 1564938; 302486, 1564939; 302550, 1564927; 302646, 1564928; 302700, 1564940; 302712, 1564951; 302716, 1564964; 302713, 1564975; 302696, 1564984; 302614, 1564988; 302602, 1564995; 302592, 1565021; 302584, 1565102; 302572, 1565118; 302490, 1565138; 302195, 1565151; 302135, 1565146; 302088, 1565135; 301955, 1565082; 301722, 1565014; 301662, 1564986; 301608, 1564971.

(D) Bounded by the following 61 points (91 ac; 37 ha): 302150, 1564098; 302172, 1564039; 302208, 1564002; 302245, 1563984; 302303, 1563975; 302364, 1563928; 302390, 1563916; 302429, 1563913; 302494, 1563933; 302545, 1563926; 302576, 1563927; 302602, 1563941; 302629, 1563977; 302641, 1563982; 302686, 1563948; 302701, 1563945; 302715, 1563951; 302735, 1563975; 302766, 1564034; 302757, 1564078; 302769, 1564119; 302759, 1564172; 302762, 1564208; 302776, 1564221; 302822, 1564235; 302842, 1564246; 302867, 1564270; 302899, 1564315; 302905, 1564345; 302891, 1564382; 302917, 1564467; 302950, 1564548; 303012, 1564647; 303033, 1564728; 303060, 1564765; 303059, 1564787; 303044, 1564799; 303024, 1564795; 302973, 1564763; 302909, 1564709; 302872, 1564700; 302839, 1564684; 302751, 1564683; 302736, 1564669; 302709, 1564620; 302682, 1564601; 302570, 1564563; 302481, 1564539; 302458, 1564528; 302444, 1564509; 302424, 1564435; 302401, 1564389; 302386, 1564348; 302375, 1564301; 302378, 1564265; 302374, 1564251; 302287, 1564174; 302272, 1564172; 302224, 1564179; 302187, 1564171; 302176, 1564161.

(E) Bounded by the following 319 points (677 ac; 274 ha): 302943, 1564065; 302923, 1564061; 302919, 1564054; 302936, 1564038; 302987, 1564019; 303009, 1563991; 303047, 1563971; 303060, 1563954; 303062, 1563939; 303054, 1563879; 303060, 1563827; 303074, 1563808; 303107, 1563796; 303113, 1563780; 303110, 1563765; 303090, 1563727; 303109, 1563690; 303085, 1563639; 303085, 1563600; 303092, 1563584; 303116, 1563562; 303132, 1563539; 303131, 1563504; 303193, 1563466; 303207, 1563465; 303249, 1563476; 303272, 1563471; 303303, 1563452; 303334, 1563412; 303350, 1563400; 303360, 1563399; 303390, 1563413; 303410, 1563410; 303416, 1563402; 303410, 1563386; 303415, 1563373; 303455, 1563344; 303466, 1563282; 303479, 1563248; 303497, 1563232; 303553, 1563212; 303560, 1563195; 303565, 1563150; 303572, 1563128; 303595, 1563106; 303623, 1563095; 303655, 1563097; 303684, 1563125; 303721, 1563132; 303734, 1563152; 303740, 1563192; 303780, 1563201; 303789, 1563208; 303775, 1563236; 303772, 1563257; 303803, 1563373; 303799, 1563391; 303773, 1563433; 303765, 1563441; 303742, 1563447; 303671, 1563435; 303653, 1563441; 303652, 1563453; 303675, 1563474; 303807, 1563534; 303869, 1563577; 303897, 1563608; 303953, 1563714; 303979, 1563736; 304071, 1563770; 304155, 1563793; 304249, 1563795; 304335, 1563782; 304405, 1563794; 304429, 1563789; 304479, 1563751; 304493, 1563746; 304582, 1563737; 304624, 1563741; 304690, 1563727; 304750, 1563734; 304786, 1563719; 304794, 1563708; 304794, 1563686; 304765, 1563636; 304758, 1563605; 304723, 1563588; 304708, 1563573; 304683, 1563490; 304667, 1563465; 304657, 1563459; 304641, 1563459; 304611, 1563483; 304586, 1563482; 304570, 1563497; 304531, 1563517; 304489, 1563530; 304474, 1563529; 304461, 1563512; 304434, 1563423; 304413, 1563389; 304385, 1563357; 304367, 1563345; 304338, 1563334; 304314, 1563311; 304244, 1563308; 304171, 1563273; 304107, 1563257; 304013, 1563250; 303998, 1563253; 303964, 1563283; 303940, 1563294; 303926, 1563349; 303874, 1563345; 303858, 1563339; 303850, 1563329; 303844, 1563275; 303852, 1563237; 303892, 1563228; 303950, 1563198; 303968, 1563194; 303990, 1563158; 304018, 1563160; 304049, 1563155; 304099, 1563163; 304201, 1563127; 304213, 1563109; 304216, 1563048; 304223, 1563035; 304234, 1563028; 304252, 1563031; 304314, 1563067; 304321, 1563065; 304324, 1563051; 304332, 1563043; 304394, 1563024; 304397, 1563008; 304383, 1562960; 304388, 1562898; 304391, 1562885; 304406, 1562879; 304436, 1562896; 304481, 1562945; 304494, 1562947; 304563, 1562939; 304607, 1562972; 304674, 1563009; 304740, 1563024; 304799, 1563053;

304847, 1563054; 304864, 1563059; 304873, 1563073; 304875, 1563091; 304856, 1563155; 304857, 1563163; 304877, 1563174; 304911, 1563180; 304931, 1563177; 304955, 1563165; 304966, 1563164; 305029, 1563211; 305036, 1563224; 305037, 1563241; 305026, 1563279; 305044, 1563311; 305043, 1563342; 305006, 1563380; 304967, 1563439; 304948, 1563446; 304902, 1563445; 304892, 1563451; 304895, 1563457; 304926, 1563472; 304937, 1563482; 304942, 1563501; 304936, 1563514; 304918, 1563519; 304883, 1563494; 304868, 1563502; 304862, 1563511; 304865, 1563525; 304899, 1563563; 304894, 1563570; 304855, 1563591; 304847, 1563606; 304876, 1563674; 304887, 1563732; 304894, 1563743; 304911, 1563750; 304920, 1563748; 304943, 1563727; 304977, 1563752; 305046, 1563746; 305062, 1563751; 305081, 1563784; 305100, 1563805; 305149, 1563831; 305164, 1563844; 305205, 1563919; 305255, 1563967; 305269, 1563987; 305269, 1564034; 305279, 1564060; 305293, 1564075; 305325, 1564089; 305336, 1564100; 305325, 1564120; 305311, 1564131; 305291, 1564139; 305280, 1564149; 305266, 1564195; 305254, 1564212; 305201, 1564236; 305185, 1564253; 305176, 1564277; 305180, 1564335; 305176, 1564354; 305166, 1564368; 305130, 1564386; 305107, 1564406; 305061, 1564482; 304984, 1564553; 304979, 1564566; 304988, 1564594; 304985, 1564605; 304954, 1564615; 304930, 1564637; 304852, 1564669; 304771, 1564722; 304744, 1564766; 304716, 1564763; 304681, 1564794; 304673, 1564810; 304669, 1564832; 304689, 1564912; 304677, 1564981; 304665, 1564999; 304629, 1565015; 304614, 1565043; 304600, 1565052; 304583, 1565047; 304575, 1565037; 304569, 1565014; 304570, 1564995; 304579, 1564967; 304607, 1564940; 304613, 1564924; 304604, 1564909; 304581, 1564899; 304558, 1564896; 304503, 1564900; 304444, 1564919; 304385, 1564919; 304348, 1564928; 304331, 1564937; 304326, 1564948; 304338, 1565014; 304332, 1565017; 304322, 1565011; 304288, 1564957; 304280, 1564975; 304262, 1564978; 304255, 1564985; 304253, 1565027; 304242, 1565034; 304228, 1565035; 304220, 1565029; 304215, 1565012; 304207, 1565004; 304173, 1565015; 304109, 1565006; 304103, 1564998; 304090, 1564952; 304080, 1564937; 304053, 1564920; 303995, 1564904; 303967, 1564847; 303956, 1564836; 303943, 1564836; 303926, 1564850; 303913, 1564855; 303887, 1564852; 303868, 1564842; 303857, 1564820; 303859, 1564799; 303876, 1564791; 303945, 1564781; 303949, 1564777; 303946, 1564767; 303933, 1564756; 303912, 1564752; 303868, 1564759; 303849, 1564756; 303771, 1564713; 303710, 1564691; 303655, 1564659; 303564, 1564631; 303553, 1564633; 303546, 1564643; 303521, 1564743; 303499, 1564757; 303480, 1564756; 303454, 1564736; 303441, 1564711; 303404, 1564670; 303398, 1564657; 303436, 1564543; 303438, 1564509; 303429, 1564479; 303393, 1564423; 303296, 1564316; 303282, 1564278; 303250, 1564261; 303236, 1564193; 303175, 1564150; 303082, 1564137; 303062, 1564125; 303052, 1564107; 303036, 1564092.

(F) Bounded by the following 26 points (20 ac; 8 ha): 304256, 1565414; 304308, 1565357; 304346, 1565330; 304472, 1565298; 304590, 1565251; 304620, 1565250; 304645, 1565261; 304690, 1565255; 304727, 1565280; 304777, 1565289; 304783, 1565297; 304763, 1565363; 304744, 1565464; 304735, 1565486; 304715, 1565507; 304686, 1565508; 304660, 1565521; 304578, 1565501; 304541, 1565485; 304509, 1565451; 304503, 1565402; 304498, 1565394; 304485, 1565388; 304457, 1565388; 304410, 1565414; 304382, 1565421.

(G) Bounded by the following 35 points (11 ac; 4 ha): 305091, 1563607; 305046, 1563577; 305022, 1563553; 305015, 1563522; 305001, 1563499; 305002, 1563487; 305012, 1563476; 305061, 1563454; 305086, 1563459; 305114, 1563484; 305141, 1563495; 305168, 1563525; 305195, 1563534; 305247, 1563543; 305243, 1563575; 305278, 1563639; 305274, 1563687; 305262, 1563722; 305263, 1563729; 305291, 1563736; 305355, 1563721; 305372, 1563721; 305382, 1563732; 305381, 1563761; 305368, 1563775; 305332, 1563784; 305308, 1563782; 305274, 1563768; 305234, 1563743; 305202, 1563707; 305158, 1563671; 305150, 1563657; 305149, 1563633; 305132, 1563611; 305115, 1563602.

(H) Bounded by the following 18 points (9 ac; 4 ha): 305348, 1565123; 305320, 1565080; 305322, 1565051; 305361, 1565002; 305416, 1564959; 305431, 1564953; 305452, 1564953; 305503, 1564970; 305537, 1564975; 305554, 1564987; 305570, 1565010; 305577, 1565037; 305570, 1565071; 305550, 1565102; 305523, 1565121; 305499, 1565129; 305412, 1565142; 305390, 1565140.

(I) Bounded by the following 96 points (52 ac, 21 ha): 305681, 1564571; 305654, 1564580; 305620, 1564578; 305565, 1564595; 305547, 1564592; 305537, 1564571; 305532, 1564484; 305527, 1564469; 305511, 1564467; 305502, 1564474; 305486, 1564499; 305467, 1564500; 305456, 1564489; 305453, 1564478; 305455, 1564431; 305458, 1564418; 305469, 1564405; 305527, 1564420; 305567, 1564424; 305612, 1564419; 305641, 1564401; 305646, 1564382; 305644, 1564358; 305620, 1564264; 305626, 1564238; 305640, 1564232; 305731, 1564234; 305750, 1564230; 305757, 1564225; 305745, 1564207; 305722, 1564193; 305699, 1564192; 305645, 1564203; 305623, 1564195; 305619, 1564181; 305622, 1564158; 305646, 1564097; 305677, 1564083; 305781, 1564061; 305789, 1564055; 305793, 1564024; 305819, 1563988; 305881, 1563974; 305897, 1563964; 305938, 1563897; 305946, 1563858; 305951, 1563774; 305948, 1563696; 305939, 1563637; 305922, 1563609; 305861, 1563583; 305831, 1563543; 305806, 1563520; 305798, 1563498; 305837, 1563315; 305862, 1563291; 305893, 1563286; 305902, 1563291; 305907, 1563301; 305906, 1563358; 305950, 1563453; 305953, 1563477; 305949, 1563508; 305954, 1563523; 305960, 1563526; 305994, 1563522; 306046, 1563531; 306057, 1563540; 306063, 1563555; 306110, 1563573; 306118, 1563592; 306118, 1563606; 306105, 1563642; 306071, 1563662; 306059, 1563682; 306062, 1563709; 306080, 1563772; 306077, 1563819; 306064, 1563889; 306006, 1564047; 306002, 1564117; 305990, 1564133; 305961, 1564145; 305848, 1564153; 305822, 1564158; 305803, 1564170; 305793, 1564191; 305793, 1564205; 305832, 1564256; 305838, 1564283; 305835, 1564313; 305821, 1564340; 305807, 1564356; 305712, 1564414; 305673, 1564451; 305665, 1564483.

(J) Bounded by the following 134 points (92 ac; 37 ha): 306267, 1565331; 306353, 1565325; 306341, 1565326; 306400, 1565325; 306433, 1565329; 306453, 1565341; 306484, 1565382; 306514, 1565388; 306559, 1565384; 306598, 1565356; 306621, 1565346; 306716, 1565329; 306720, 1565333; 306720, 1565374; 306729, 1565422; 306716, 1565443; 306684, 1565448; 306681, 1565467; 306688, 1565481; 306699, 1565487; 306755, 1565496; 306816, 1565485; 306955, 1565429; 307014, 1565397; 307111, 1565330; 307119, 1565340; 307118, 1565350; 307055, 1565408; 307034, 1565438; 307017, 1565445; 307005, 1565460; 306968, 1565468;

306955, 1565488; 306957, 1565495; 306969, 1565498; 307025, 1565488; 307029, 1565496; 307026, 1565526; 307050, 1565540; 307066, 1565542; 307204, 1565460; 307258, 1565412; 307269, 1565394; 307276, 1565368; 307288, 1565356; 307369, 1565327; 307451, 1565259; 307509, 1565229; 307537, 1565210; 307570, 1565178; 307610, 1565126; 307746, 1565004; 307839, 1564896; 307872, 1564877; 307878, 1564878; 307882, 1564884; 307884, 1564905; 307873, 1564932; 307783, 1565058; 307734, 1565112; 307580, 1565259; 307319, 1565473; 307080, 1565610; 307035, 1565624; 307014, 1565621; 306976, 1565592; 306934, 1565568; 306887, 1565525; 306868, 1565520; 306815, 1565528; 306718, 1565559; 306626, 1565562; 306510, 1565585; 306399, 1565586; 306337, 1565579; 306331, 1565589; 306345, 1565658; 306354, 1565736; 306349, 1565806; 306352, 1565829; 306383, 1565896; 306399, 1565902; 306440, 1565898; 306438, 1565928; 306417, 1565948; 306391, 1565949; 306277, 1565911; 306256, 1565896; 306205, 1565844; 306173, 1565823; 306154, 1565817; 306115, 1565820; 306094, 1565817; 306042, 1565781; 305989, 1565708; 305972, 1565692; 305953, 1565683; 305910, 1565671; 305870, 1565667; 305844, 1565673; 305795, 1565705; 305766, 1565717; 305719, 1565718; 305693, 1565710; 305684, 1565703; 305674, 1565679; 305677, 1565641; 305689, 1565625; 305724, 1565609; 305766, 1565605; 305890, 1565626; 305937, 1565602; 305969, 1565601; 305988, 1565595; 306002, 1565572; 305991, 1565555; 305968, 1565549; 305920, 1565551; 305909, 1565543; 305911, 1565530; 305918, 1565520; 305951, 1565499; 305972, 1565493; 306026, 1565498; 306076, 1565493; 306107, 1565505; 306133, 1565507; 306178, 1565494; 306219, 1565475; 306231, 1565463; 306221, 1565427; 306232, 1565386; 306235, 1565356; 306242, 1565346.

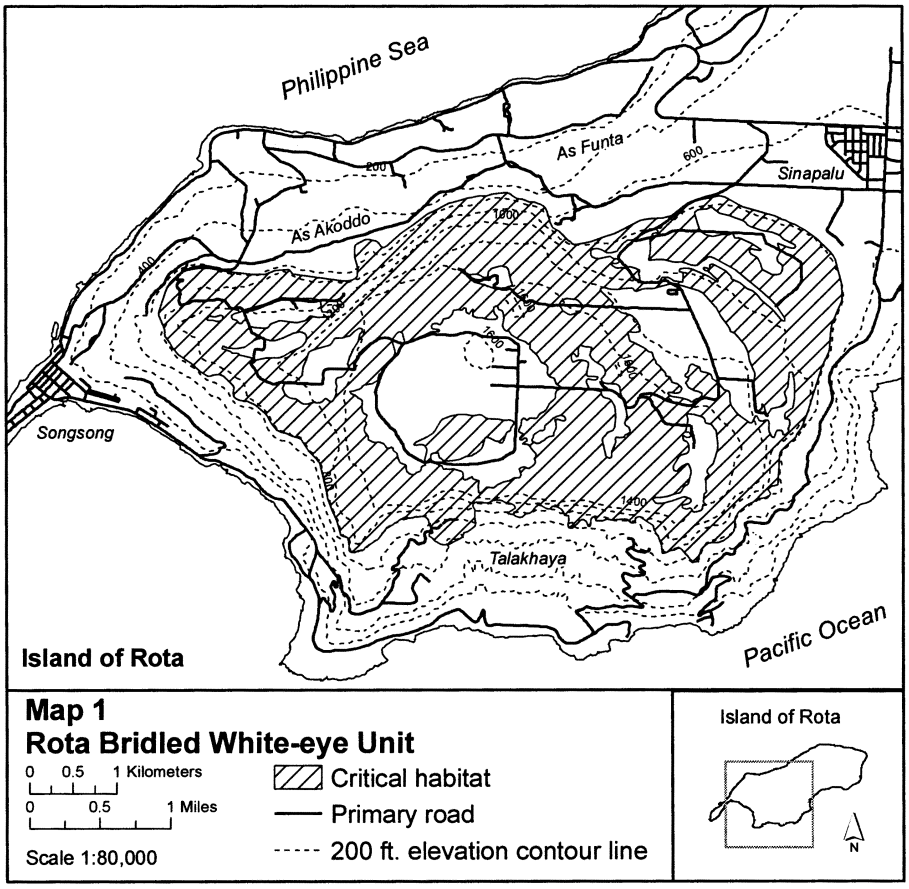
(K) Bounded by the following 207 points (355 ac, 144 ha): 305824, 1565279; 305789, 1565258; 305784, 1565251; 305785, 1565239; 305801, 1565217; 305929, 1565095; 305932, 1565086; 305918, 1565072; 305912, 1565059; 305919, 1565045; 306024, 1564981; 306114, 1564950; 306143, 1564935; 306189, 1564892; 306228, 1564832; 306234, 1564811; 306232, 1564774; 306229, 1564764; 306218, 1564755; 306172, 1564745; 306107, 1564754; 306095, 1564751; 306119, 1564647; 306140, 1564643; 306179, 1564618; 306271, 1564573; 306302, 1564551; 306326, 1564524; 306369, 1564511; 306391, 1564451; 306411, 1564417; 306416, 1564385; 306451, 1564361; 306476, 1564320; 306512, 1564285; 306520, 1564269; 306525, 1564238; 306571, 1564226; 306588, 1564168; 306658, 1564143; 306684, 1564127; 306701, 1564108; 306706, 1564092; 306702, 1564075; 306686, 1564051; 306674, 1564042; 306639, 1564039; 306558, 1564052; 306546, 1564039; 306554, 1564023; 306591, 1564006; 306708, 1563983; 306772, 1563964; 306791, 1563953; 306807, 1563932; 306831, 1563941; 306861, 1563968; 306910, 1563986; 306925, 1563998; 306936, 1564022; 306933, 1564035; 306884, 1564066; 306859, 1564062; 306794, 1564101; 306774, 1564120; 306763, 1564146; 306750, 1564158; 306777, 1564193; 306784, 1564210; 306782, 1564217; 306757, 1564222; 306745, 1564235; 306741, 1564248; 306773, 1564278; 306794, 1564357; 306816, 1564376; 306835, 1564377; 306852, 1564364; 306910, 1564341; 306916, 1564308; 306925, 1564297; 307000, 1564277; 307031, 1564262; 307039, 1564252; 307050, 1564208; 307116, 1564160; 307174, 1564088; 307185, 1564080; 307219, 1564074; 307238, 1564065; 307248, 1564043; 307255, 1564008; 307253, 1563934; 307259, 1563908; 307274, 1563879; 307331, 1563809; 307374, 1563769; 307448, 1563710; 307474, 1563696; 307493, 1563692; 307505, 1563698; 307521, 1563719; 307540, 1563768; 307549, 1563778; 307559, 1563772; 307590, 1563724; 307608, 1563710; 307626, 1563711; 307655, 1563727; 307685, 1563724; 307698, 1563711; 307703, 1563696; 307696, 1563628; 307702, 1563589; 307723, 1563542; 307734, 1563528; 307744, 1563523; 307756, 1563524; 307765, 1563534; 307774, 1563582; 307787, 1563600; 307825, 1563608; 307844, 1563604; 307852, 1563596; 307861, 1563558; 307867, 1563553; 307889, 1563564; 307923, 1563593; 307927, 1563604; 307921, 1563627; 307936, 1563675; 307930, 1563733; 307920, 1563742; 307883, 1563736; 307879, 1563783; 307884, 1563800; 307893, 1563814; 307944, 1563854; 307971, 1563870; 307982, 1563901; 307992, 1563990; 307991, 1564149; 307988, 1564195; 307974, 1564273; 307965, 1564280; 307951, 1564281; 307936, 1564279; 307930, 1564273; 307920, 1564120; 307913, 1564102; 307888, 1564066; 307881, 1564043; 307884, 1564018; 307901, 1563976; 307896, 1563936; 307882, 1563914; 307855, 1563892; 307833, 1563882; 307738, 1563862; 307724, 1563851; 307698, 1563804; 307679, 1563790; 307668, 1563794; 307660, 1563807; 307651, 1563877; 307626, 1563911; 307620, 1563912; 307613, 1563901; 307620, 1563870; 307614, 1563851; 307589, 1563831; 307560, 1563832; 307551, 1563859; 307524, 1564171; 307536, 1564245; 307536, 1564274; 307529, 1564301; 307479, 1564419; 307468, 1564503; 307434, 1564587; 307418, 1564611; 307388, 1564640; 307359, 1564686; 307320, 1564721; 307306, 1564740; 307271, 1564752; 307259, 1564762; 307248, 1564802; 307235, 1564826; 307155, 1564929; 307101, 1565031; 306941, 1565211; 306880, 1565237; 306617, 1565317; 306574, 1565313; 306447, 1565277; 306389, 1565255; 306296, 1565255; 306259, 1565250; 306194, 1565223; 306169, 1565231; 306155, 1565256; 306145, 1565262; 306028, 1565253; 305991, 1565246; 305927, 1565246; 305867, 1565253.

(L) Bounded by the following 107 points (81 ac, 33 ha): 306372, 1562797; 306403, 1562764; 306427, 1562755; 306453, 1562754; 306508, 1562763; 306586, 1562785; 306716, 1562834; 306746, 1562833; 306800, 1562809; 306806, 1562794; 306805, 1562779; 306797, 1562766; 306785, 1562758; 306715, 1562738; 306706, 1562725; 306708, 1562711; 306724, 1562696; 306753, 1562687; 306769, 1562689; 306785, 1562702; 306796, 1562704; 306807, 1562695; 306827, 1562660; 306836, 1562654; 306883, 1562662; 306923, 1562677; 306933, 1562691; 306933, 1562707; 306939, 1562720; 306971, 1562743; 306951, 1562767; 306947, 1562793; 306958, 1562864; 306987, 1562890; 306977, 1562913; 306976, 1562986; 306970, 1563033; 306978, 1563053; 307007, 1563079; 307014, 1563093; 306993, 1563114; 306991, 1563142; 307005, 1563172; 307041, 1563196; 307061, 1563224; 307109, 1563376; 307115, 1563433; 307101, 1563555; 307090, 1563605; 307081, 1563625; 307041, 1563678; 306975, 1563692; 306968, 1563704; 306961, 1563741; 306940, 1563760; 306895, 1563780; 306846, 1563792; 306781, 1563803; 306764, 1563798; 306762, 1563787; 306773, 1563735; 306750, 1563589; 306754, 1563583; 306775, 1563588; 306787, 1563583; 306803, 1563565; 306805, 1563550; 306795, 1563527; 306784, 1563519; 306758, 1563521; 306724, 1563550; 306718, 1563548; 306714, 1563525; 306726, 1563496; 306757, 1563475; 306774, 1563453; 306785, 1563420; 306786, 1563371; 306775, 1563350; 306757, 1563337; 306692, 1563316; 306669, 1563300; 306622, 1563226;

306605, 1563190; 306604, 1563169; 306612, 1563144; 306622, 1563134; 306639, 1563129; 306654, 1563136; 306676, 1563170; 306707, 1563193; 306752, 1563216; 306766, 1563218; 306780, 1563215; 306800, 1563165; 306808, 1563115; 306774, 1562987; 306764, 1562973; 306739, 1562961; 306723, 1562946; 306693, 1562893; 306677, 1562877; 306629, 1562869; 306539, 1562836; 306441, 1562823; 306394, 1562826; 306382, 1562817.

(M) Bounded by the following 69 points (47 ac, 30 ha): 306858, 1566129; 306891, 1566009; 306917, 1565936; 306929, 1565916; 306982, 1565882; 307028, 1565864; 307063, 1565860; 307180, 1565888; 307248, 1565881; 307286, 1565897; 307298, 1565886; 307308, 1565851; 307318, 1565838; 307332, 1565837; 307358, 1565846; 307377, 1565842; 307505, 1565779; 307601, 1565717; 307612, 1565701; 307601, 1565695; 307534, 1565713; 307503, 1565714; 307484, 1565702; 307479, 1565684; 307498, 1565657; 307547, 1565628; 307571, 1565607; 307606, 1565538; 307618, 1565489; 307628, 1565475; 307745, 1565409; 307789, 1565409; 307829, 1565429; 307844, 1565447; 307857, 1565486; 307858, 1565512; 307852, 1565527; 307805, 1565571; 307794, 1565595; 307797, 1565619; 307825, 1565662; 307834, 1565689; 307808, 1565748; 307802, 1565778; 307813, 1565781; 307892, 1565745; 307958, 1565725; 307992, 1565724; 308008, 1565734; 308007, 1565752; 307998, 1565762; 307875, 1565825; 307834, 1565866; 307814, 1565879; 307743, 1565910; 307628, 1565928; 307491, 1565976; 307455, 1565998; 307428, 1566032; 307412, 1566044; 307254, 1566105; 307143, 1566130; 307118, 1566145; 307054, 1566200; 307032, 1566199; 306993, 1566178; 306951, 1566179; 306896, 1566171; 306871, 1566153.

(ii) Map 1 of the critical habitat for Rota bridled white-eye follows:



[42 FR 47840, Sept. 22, 1977]

EDITORIAL NOTES: 1. The remainder of §17.95 appears in 50 Part 17, §17.95(c) to §17.95(e) and 50 Part 17, §17.95(f) to end of §17.95.

2. For FEDERAL REGISTER citations affecting §17.95, see the List of CFR Sections Affected, which appears in the Finding Aids section of the printed volume and at *www.fdsys.gov*.

FINDING AIDS

A list of CFR titles, subtitles, chapters, subchapters and parts and an alphabetical list of agencies publishing in the CFR are included in the CFR Index and Finding Aids volume to the Code of Federal Regulations which is published separately and revised annually.

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For changes to this volume of the CFR prior to this listing, consult the annual edition of the monthly List of CFR Sections Affected (LSA). The LSA is available at *www.fdsys.gov*. For changes to this volume of the CFR prior to 2001, see the ''List of CFR Sections Affected, 1949–1963, 1964–1972, 1973–1985, and 1986–2000'' published in 11 separate volumes. The ''List of CFR Sections Affected 1986–2000'' is available at *www.fdsys.gov*.

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