

Note – This document contains only the regulations describing critical habitat for the

Lower Columbia River Chinook ESU

as published in the *Federal Register* on Sept. 2, 2005 (70FR52630 - 52858). These pages have been extracted from the FR notice to assist those readers interested only in the maps and regulatory text pertaining to this ESU. The complete FR notice can be downloaded at: <http://www.nwr.noaa.gov/Publications/FR-Notices/2005/Index.cfm>.

List of Subjects in 50 CFR Part 226

Endangered and threatened species.

Dated: August 12, 2005.

William T. Hogarth,

*Assistant Administrator for Fisheries,
National Marine Fisheries Service.*

_ For the reasons set out in the preamble, we amend part 226, title 50 of the Code of Federal Regulations as set forth below:

PART 226—[AMENDED]

_ 1. The authority citation of part 226 continues to read as follows:

Authority: 16 U.S.C. 1533.

_ 2. Add § 226.212 to read as follows:

Critical habitat for 12

Evolutionarily Significant Units (ESUs) of salmon and steelhead (*Oncorhynchus* spp.) in Washington, Oregon and Idaho.

Critical habitat is designated in the following states and counties for the following ESUs as described in paragraph (a) of this section, and as further described in paragraphs (b) through (g) of this section. The textual descriptions of critical habitat for each ESU are included in paragraphs (i) through (t) of this section, and these descriptions are the definitive source for determining the critical habitat boundaries. General location maps are provided at the end of each ESU description (paragraphs (i) through (t) of this section) and are provided for general guidance purposes only, and not as a definitive source for determining critical habitat boundaries.

(a) Critical habitat is designated for the following ESUs in the following states and counties:

ESU	State—Counties
(1) Puget Sound chinook salmon	WA—Clallam, Jefferson, King, Mason, Pierce, Skagit, Snohomish, Thurston, and Whatcom.
(2) Lower Columbia River chinook salmon	(i) OR—Clackamas, Clatsop, Columbia, Hood River, and Multnomah. (ii) WA—Clark, Cowlitz, Klickitat, Lewis, Pacific, Skamania, and Wahkiakum.
(3) Upper Willamette River chinook salmon	(i) OR—Benton, Clackamas, Clatsop, Columbia, Lane, Linn, Marion, Multnomah, Polk, and Yamhill. (ii) WA—Clark, Cowlitz, Pacific, and Wahkiakum.
(4) Upper Columbia River spring-run chinook salmon	(i) OR—Clatsop, Columbia, Gilliam, Hood River, Morrow, Multnomah, Sherman, Umatilla, and Wasco. (ii) WA—Benton, Chelan, Clark, Cowlitz, Douglas, Franklin, Grant, Kittitas, Klickitat, Okanogan, Pacific, Skamania, Wahkiakum, Walla Walla, and Yakima.
(5) Hood Canal summer-run chum salmon	WA—Clallam, Jefferson, Kitsap, and Mason.
(6) Columbia River chum salmon	(i) OR—Clatsop, Columbia, Hood River, and Multnomah.

- (7) Ozette Lake sockeye salmon WA—Clallam.
- (8) Upper Columbia River steelhead (i) OR—Clatsop, Columbia, Gilliam, Hood River, Morrow, Multnomah, Umatilla, and Wasco.
(ii) WA—Adams, Benton, Chelan, Clark, Cowlitz, Douglas, Franklin, Grant, Kittitas, Klickitat, Okanogan, Pacific, Skamania, Wahkiakum, Walla Walla, and Yakima.
- (9) Snake River Basin steelhead (i) ID—Adams, Blaine, Clearwater, Custer, Idaho, Latah, Lemhi, Lewis, Nez Perce, and Valley.
(ii) OR—Clatsop, Columbia, Gilliam, Hood River, Morrow, Multnomah, Sherman, Umatilla, Union, Wallowa, and Wasco.
(iii) WA—Asotin, Benton, Clark, Columbia, Cowlitz, Franklin, Garfield, Klickitat, Pacific, Skamania, Walla Walla, Wahkiakum, and Whitman.
- (10) Middle Columbia River steelhead (i) OR—Clatsop, Columbia, Crook, Gilliam, Grant, Hood River, Jefferson, Morrow, Multnomah, Sherman, Umatilla, Union, Wallowa, Wasco, and Wheeler.
(ii) WA—Benton, Clark, Cowlitz, Columbia, Franklin, King, Kittitas, Klickitat, Lewis, Pacific, Pierce, Skamania, Wahkiakum, Walla Walla, and Yakima.
- (11) Lower Columbia River steelhead (i) OR—Clackamas, Clatsop, Columbia, Hood River, Marion, and Multnomah.
(ii) WA—Clark, Cowlitz, Klickitat, Lewis, Pacific, Skamania, and Wahkiakum.
- (12) Upper Willamette River steelhead (i) OR—Benton, Clackamas, Clatsop, Columbia, Linn, Marion, Multnomah, Polk, Tillamook, Washington, and Yamhill.
(ii) WA—Clark, Cowlitz, Pacific, and Wahkiakum.

(b) *Critical habitat boundaries.*

Critical habitat includes the stream channels within the designated stream reaches, and includes a lateral extent as defined by the ordinary high-water line (33 CFR 319.11). In areas where ordinary high-water line has not been defined, the lateral extent will be defined by the bankfull elevation. Bankfull elevation is the level at which water begins to leave the channel and move into the floodplain and is reached at a discharge which generally has a recurrence interval of 1 to 2 years on the annual flood series. Critical habitat in lake areas is defined by the perimeter of the water body as displayed on standard 1:24,000 scale topographic maps or the elevation of ordinary high water, whichever is greater. In estuarine and nearshore marine areas critical habitat includes areas contiguous with the shoreline from the line of extreme high water out to a depth no greater than 30 meters relative to mean lower low water.

(c) *Primary constituent elements.*

Within these areas, the primary constituent elements essential for the conservation of these ESUs are those sites and habitat components that support one or more life stages, including:

- (1) Freshwater spawning sites with water quantity and quality conditions and substrate supporting spawning, incubation and larval development;
- (2) Freshwater rearing sites with:
 - (i) Water quantity and floodplain connectivity to form and maintain physical habitat conditions and support

- juvenile growth and mobility;
- (ii) Water quality and forage supporting juvenile development; and
- (iii) Natural cover such as shade, submerged and overhanging large wood, log jams and beaver dams, aquatic vegetation, large rocks and boulders, side channels, and undercut banks.
- (3) Freshwater migration corridors free of obstruction and excessive predation with water quantity and quality conditions and natural cover such as submerged and overhanging large wood, aquatic vegetation, large rocks and boulders, side channels, and undercut banks supporting juvenile and adult mobility and survival;
- (4) Estuarine areas free of obstruction and excessive predation with:
 - (i) Water quality, water quantity, and salinity conditions supporting juvenile and adult physiological transitions between fresh- and saltwater;
 - (ii) Natural cover such as submerged and overhanging large wood, aquatic vegetation, large rocks and boulders, side channels; and
 - (iii) Juvenile and adult forage, including aquatic invertebrates and fishes, supporting growth and maturation.
- (5) Nearshore marine areas free of obstruction and excessive predation with:
 - (i) Water quality and quantity conditions and forage, including aquatic invertebrates and fishes, supporting growth and maturation; and
 - (ii) Natural cover such as submerged and overhanging large wood, aquatic vegetation, large rocks and boulders,

and side channels.

(6) Offshore marine areas with water quality conditions and forage, including aquatic invertebrates and fishes, supporting growth and maturation.

(d) *Exclusion of Indian lands.* Critical habitat does not include habitat areas on Indian lands. The Indian lands specifically excluded from critical habitat are those defined in the Secretarial Order, including:

- (1) Lands held in trust by the United States for the benefit of any Indian tribe;
- (2) Land held in trust by the United States for any Indian Tribe or individual subject to restrictions by the United States against alienation;
- (3) Fee lands, either within or outside the reservation boundaries, owned by the tribal government; and
- (4) Fee lands within the reservation boundaries owned by individual Indians.

(e) *Land owned or controlled by the Department of Defense.* Critical habitat does not include any areas subject to an approved Integrated Natural Resource Management Plan or associated with Department of Defense easements or right-of-ways. In areas within Navy security zones identified at 33 CFR 334 that are outside the areas described above, critical habitat is only designated within a narrow nearshore zone from the line of extreme high tide down to the line of mean lower low water. The specific sites addressed include:

- (1) Naval Submarine Base, Bangor;
- (2) Naval Undersea Warfare Center, Keyport;
- (3) Naval Ordnance Center, Port Hadlock (Indian Island);
- (4) Naval Radio Station, Jim Creek;
- (5) Naval Fuel Depot, Manchester;
- (6) Naval Air Station Whidbey Island;
- (7) Naval Air Station, Everett;
- (8) Bremerton Naval Hospital;
- (9) Fort Lewis (Army);
- (10) Pier 23 (Army);
- (11) Yakima Training Center (Army);
- (12) Puget Sound Naval Shipyard;
- (13) Naval Submarine Base Bangor security zone;
- (14) Strait of Juan de Fuca naval air-to-surface weapon range, restricted area;
- (15) Hood Canal and Dabob Bay naval non-explosive torpedo testing area;
- (16) Strait of Juan de Fuca and Whidbey Island naval restricted areas;
- (17) Admiralty Inlet naval restricted area;
- (18) Port Gardner Naval Base restricted area;
- (19) Hood Canal naval restricted areas;
- (20) Port Orchard Passage naval

restricted area;

(21) Sinclair Inlet naval restricted areas;

(22) Carr Inlet naval restricted areas;

(23) Dabob Bay/Whitney Point naval restricted area; and

(24) Port Townsend/Indian Island/Walan Point naval restricted area.

(f) *Land subject to the Washington Department of Natural Resources Habitat Conservation Plan.* Critical habitat is excluded on lands covered by the incidental take permit issued by NMFS under section 10(a)(1)(B) of the ESA to the Washington Department of Natural Resources.

(g) *Land subject to the Green Diamond Company Habitat Conservation Plan.* Critical habitat is excluded on lands covered by the incidental take permit issued by NMFS under section 10(a)(1)(B) of the ESA to the Green Diamond Resources Company (formerly Simpson Timber Company).

(h) *Land subject to the West Fork Timber Company Habitat Conservation Plan.* Critical habitat is excluded on lands covered by the incidental take permit issued by NMFS under section 10(a)(1)(B) of the ESA to the West Fork Timber Company (formerly Murray Pacific Corporation).

(j) *Lower Columbia River Chinook Salmon (Oncorhynchus tshawytscha)*. Critical habitat is designated to include the areas defined in the following subbasins:

(1) Middle Columbia/Hood Subbasin 17070105—(i) *East Fork Hood River Watershed 1707010506*. Outlet(s) = Hood River (Lat 45.6050, Long -121.6323) upstream to endpoint(s) in: Dog River (45.4655, -121.5656); East Fork Hood River (45.4665, -121.5669); Pinnacle Creek (45.4595, -121.6568); Tony Creek (45.5435, -121.6411).

(ii) *West Fork Hood River Watershed 1707010507*. Outlet(s) = West Fork Hood River (Lat 45.6050, Long -121.6323) upstream to endpoint(s) in: Divers Creek (45.5457, -121.7447); Elk Creek (45.4277, -121.7889); Indian Creek (45.5375, -121.7857); Jones Creek (45.4629, -121.7942); Lake Branch (45.5083, -121.8485); McGee Creek (45.4179, -121.7675); No Name Creek (45.5347, -121.7929); Red Hill Creek (45.4720, -121.7705); Unnamed (45.5502, -121.7014).

(iii) *Hood River Watershed 1707010508*. Outlet(s) = Hood River (Lat 45.7205, Long -121.5055) upstream to endpoint(s) in: Hood River (45.6050, -121.6323).

(iv) *White Salmon River Watershed 1707010509*. Outlet(s) = White Salmon River (Lat 45.7226, Long -121.5214) upstream to endpoint(s) in: White Salmon River (45.7677, -121.5374).

(v) *Wind River Watershed 1707010511*. Outlet(s) = Wind River (Lat 45.7037, Long -121.7946) upstream to endpoint(s) in: Bear Creek (45.7620, -121.8293); Big Hollow Creek (45.9399, -121.9996); Dry Creek (45.9296, -121.9721); Falls Creek (45.9105, -121.9222); Little Wind River (45.7392, -121.7772); Ninemile Creek (45.8929, -121.9526); Paradise Creek (45.9527, -121.9408); Trapper Creek (45.8887, -122.0065); Trout Creek (45.8021, -121.9313); Wind River (45.9732, -121.9031).

(vi) *Middle Columbia/Grays Creek Watershed 1707010512*. Outlet(s) = Columbia River (Lat 45.7044, Long -121.7980) upstream to endpoint(s) in: Columbia River (45.7205, -121.5056).

(vii) *Middle Columbia/Eagle Creek Watershed 1707010513*. Outlet(s) = Columbia River (Lat 45.6447, Long -121.9395) upstream to endpoint(s) in: Camp Creek (45.6676, -121.8167); Carson Creek (45.7206, -121.8184); Columbia River (45.7044, -121.7980); Dry Creek (45.6717, -121.8732); Eagle Creek (45.6365, -121.9171); East Fork Herman Creek (45.6538, -121.8122); Herman Creek (45.6749, -121.8477); Rock Creek (45.6958, -121.8915); Unnamed (45.6654, -121.8164);

Unnamed (45.6674, -121.8487); Unnamed (45.6689, -121.8444); Unnamed (45.6762, -121.9350); Unnamed (45.6902, -121.9034); Unnamed (45.6948, -121.9424).

(2) Lower Columbia/Sandy Subbasin 17080001—(i) *Salmon River Watershed 1708000101*. Outlet(s) = Salmon River (Lat 45.3768, Long -122.0293) upstream to endpoint(s) in: Cheeney Creek (45.3104, -121.9561); Copper Creek (45.2508, -121.9053); Salmon River (45.2511, -121.9025); South Fork Salmon River (45.2606, -121.9474); Unnamed (45.3434, -121.9920).

(ii) *Zigzag River Watershed 1708000102*. Outlet(s) = Zigzag River (Lat 45.3489, Long -121.9442) upstream to endpoint(s) in: Henry Creek (45.3328, -121.9110); Still Creek (45.2755, -121.8413); Unnamed (45.3019, -121.8202); Zigzag River (45.3092, -121.8642).

(iii) *Upper Sandy River Watershed 1708000103*. Outlet(s) = Sandy River (Lat 45.3489, Long -121.9442) upstream to endpoint(s) in: Clear Creek (45.3712, -121.9246); Clear Fork Sandy River (45.3994, -121.8525); Horseshoe Creek (45.3707, -121.8936); Lost Creek (45.3709, -121.8150); Sandy River (45.3899, -121.8620).

(iv) *Middle Sandy River Watershed 1708000104*. Outlet(s) = Sandy River (Lat 45.4464, Long -122.2459) upstream to endpoint(s) in: Alder Creek (45.3776, -122.0994); Bear Creek (45.3368, -121.9265); Cedar Creek (45.4087, -122.2617); North Boulder Creek (45.3822, -122.0168); Sandy River (45.3489, -121.9442).

(v) *Bull Run River Watershed 1708000105*. Outlet(s) = Bull Run River (Lat 45.4464, Long -122.2459) upstream to endpoint(s) in: Bull Run River (45.4455, -122.1561); Little Sandy Creek (45.4235, -122.1975).

(vi) *Washougal River (1708000106)*. Outlet(s) = Washougal River (Lat 45.5795, Long -122.4022) upstream(s) to endpoint(s) in: Cougar Creek (45.6265, -122.2987); Dougan Creek (45.6770, -122.1522); Lacamas Creek (45.5972, -122.3933); Little Washougal River (45.6315, -122.3767); Washougal River (45.6729, -122.1524); West Fork Washougal River (45.6205, -122.2149).

(vii) *Columbia Gorge Tributaries Watershed 1708000107*. Outlet(s) = Columbia River (Lat 45.5735, Long -122.3945) upstream to endpoint(s) in: Bridal Veil Creek (45.5542, -122.1793); Columbia River (45.6447, -121.9395); Coopey Creek (45.5656, -122.1671); Government Cove (45.5948, -122.0630); Hamilton Creek (45.6414, -121.9764); Hardy Creek (45.6354, -121.9987); Horsetail Creek (45.5883, -122.0675); Latourell Creek (45.5388, -122.2173);

McCord Creek (45.6115, -121.9929); Moffett Creek (45.6185, -121.9662); Multnomah Creek (45.5761, -122.1143); Oneonta Creek (45.5821, -122.0718); Tanner Creek (45.6264, -121.9522); Turnaft Creek (45.6101, -122.0284); Unnamed (45.5421, -122.2624); Unnamed (45.5488, -122.3504); Unnamed (45.6025, -122.0443); Unnamed (45.6055, -122.0392); Unnamed (45.6083, -122.0329); Unnamed (45.6118, -122.0216); Unnamed (45.6124, -122.0172); Unnamed (45.6133, -122.0055); Wahkeena Creek (45.5755, -122.1266); Young Creek (45.5480, -122.1997).

(viii) *Lower Sandy River Watershed 1708000108*. Outlet(s) = Sandy River (Lat 45.5680, Long -122.4023) upstream to endpoint(s) in: Beaver Creek (45.5258, -122.3822); Gordon Creek (45.4915, -122.2423); Sandy River (45.4464, -122.2459); Trout Creek (45.4844, -122.2785); Unnamed (45.5542, -122.3768); Unnamed (45.5600, -122.3650).

(3) Lewis Subbasin 17080002—(i) *East Fork Lewis River Watershed 1708000205*. Outlet(s) = East Fork Lewis River (Lat 45.8664, Long -122.7189) upstream to endpoint(s) in: East Fork Lewis River (45.8395, -122.4463).

(ii) *Lower Lewis River Watershed 1708000206*. Outlet(s) = Lewis River (Lat 45.8519, Long -122.7806) upstream to endpoint(s) in: Cedar Creek (45.9049, -122.3684); Chelatchie Creek (45.9169, -122.4130); Johnson Creek (45.9385, -122.6261); Lewis River (45.9570, -122.5550); Pup Creek (45.9391, -122.5440); Unnamed (45.8882, -122.7412); Unnamed (45.9153, -122.4362).

(4) Lower Columbia/Clatskanie Subbasin 17080003—(i) *Kalama River Watershed 1708000301*. Outlet(s) = Burris Creek (45.8926, -122.7892); Kalama River (46.0340, -122.8695) upstream to endpoint(s) in: Arnold Creek (46.0463, -122.5938); Burris Creek (45.9391, -122.7780); Elk Creek (46.0891, -122.5117); Gobar Creek (46.0963, -122.6042); Hatchery Creek (46.0459, -122.8027); Kalama River (46.1109, -122.3579); Little Kalama River (45.9970, -122.6939); North Fork Kalama River (46.1328, -122.4118); Wild Horse Creek (46.0626, -122.6367).

(ii) *Clatskanie River Watershed 1708000303*. Outlet(s) = Clatskanie River (Lat 46.1398, Long -123.2303) upstream to endpoint(s) in: Clatskanie River (46.0435, -123.0829); Merrill Creek (46.0916, -123.1727); Perkins Creek (46.0826, -123.1678).

(iii) *Skamokawa/Elochoman Watershed 1708000305*. Outlet(s) = Elochoman River (Lat 46.2269, Long -123.4040); Skamokawa Creek (46.2677,

–123.4562); Unnamed (46.2243, –123.3975) upstream to endpoint(s) in: Beaver Creek (46.2256, –123.3071); Elochoman River (46.3503, –123.2428); Falk Creek (46.2954, –123.4413); Left Fork Skamokawa Creek (46.3249, –123.4538); McDonald Creek (46.3398, –123.4116); Standard Creek (46.3292, –123.3999); West Fork Elochoman River (46.3211, –123.2605); West Fork Skamokawa Creek (46.2871, –123.4654); Wilson Creek (46.2970, –123.3434).

(iv) *Plympton Creek Watershed 1708000306*. Outlet(s) = Westport Slough (Lat 46.1434, Long –123.3816) upstream to endpoint(s) in: Plympton Creek (46.1261, –123.3842); Westport Slough (46.1195, –123.2797).

(5) Upper Cowlitz Subbasin 17080004—(i) *Headwaters Cowlitz River 1708000401*. Outlet(s) = Cowlitz River (Lat 46.6580, Lat –121.6032) upstream to endpoint(s) in: Clear Fork Cowlitz River (46.6858, –121.5668); Muddy Fork Cowlitz River (46.6994, –121.6169); Ohanapecosh River (46.6883, –121.5809).

(ii) *Upper Cowlitz River Watershed 1708000402*. Outlet(s) = Cowlitz River (Lat 46.5763, Long –121.7051) upstream to endpoint(s) in: Cowlitz River (46.6580, –121.6032).

(iii) *Cowlitz Valley Frontal Watershed 1708000403*. Outlet(s) = Cowlitz River (Lat 46.4765, Long –122.0952) upstream to endpoint(s) in: Cowlitz River (46.5763, –121.7051); Silver Creek (46.5576, –121.9178).

(iv) *Upper Cispus River Watershed 1708000404*. Outlet(s) = Cispus River (Lat 46.4449, Long –121.7954) upstream to endpoint(s) in: Cispus River (46.3410, –121.6709); East Canyon Creek (46.3454, –121.7031); North Fork Cispus River (46.4355, –121.654).

(v) *Lower Cispus River Watershed 1708000405*. Outlet(s) = Cispus River (Lat 46.4765, Long –122.0952) upstream to endpoint(s) in: Cispus River (46.4449, –121.7954); McCoy Creek (46.3892, –121.8190); Yellowjacket Creek (46.3871, –121.8335).

(6) Cowlitz Subbasin 17080005—(i) *Riffe Reservoir Watershed 1708000502*. Outlet(s) = Cowlitz River (Lat 46.5033, Long –122.5870) upstream to endpoint(s) in: Cowlitz River (46.4765, –122.0952).

(ii) *Jackson Prairie Watershed 1708000503*. Outlet(s) = Cowlitz River (Lat 46.3678, Long –122.9337) upstream to endpoint(s) in: Bear Creek (46.4215, –122.9224); Blue Creek (46.4885, –122.7253); Cowlitz River (46.5033, –122.5870); Lacamas Creek (46.5118, –122.8113); Mill Creek (46.4701, –122.8557); Mill Creek (46.5176; –122.6209); Otter Creek (46.4800, –122.6996); Salmon Creek (46.4237,

–122.8400); Skook Creek (46.5035, –122.7556).

(iii) *North Fork Toutle River Watershed 1708000504*. Outlet(s) = North Fork Toutle River (Lat 46.3669, Long –122.5859) upstream to endpoint(s) in: North Fork Toutle River (46.3718, –122.5847).

(iv) *Green River Watershed 1708000505*. Outlet(s) = Green River (Lat 46.3718, Long –122.5847) upstream to endpoint(s) in: Cascade Creek (46.3924, –122.3530); Devils Creek (46.3875, –122.5113); Elk Creek (46.3929, –122.3224); Green River (46.3857, –122.1815); Miners Creek (46.3871, –122.2091); Shultz Creek (46.3744, –122.2987); Unnamed (46.3796, –122.3632).

(v) *South Fork Toutle River Watershed 1708000506*. Outlet(s) = South Fork Toutle River (Lat 46.3282, Long –122.7215) upstream to endpoint(s) in: Johnson Creek (46.3100, –122.6338); South Fork Toutle River (46.2306, –122.4439); Studebaker Creek (46.3044, –122.6777).

(vi) *East Willapa Watershed 1708000507*. Outlet(s) = Cowlitz River (Lat 46.2660, Long –122.9154) upstream to endpoint(s) in: Arkansas Creek (46.3275, –123.0123); Baxter Creek (46.3034, –122.9709); Brim Creek (46.4263, –123.0139); Campbell Creek (46.3756, –123.0401); Cowlitz River (46.3678, –122.9337); Delameter Creek (46.2495, –122.9916); Hemlock Creek (46.2585, –122.7269); Hill Creek (46.3724, –122.9211); King Creek (46.5076, –122.9885); Monahan Creek (46.2954, –123.0286); North Fork Toutle River (46.3669, –122.5859); Olequa Creek (46.5174, –122.9042); Stillwater Creek (46.3851, –123.0478); Sucker Creek (46.2628, –122.8116); Unnamed (46.5074, –122.9585); Unnamed (46.5405, –122.9090); Wyant Creek (46.3424, –122.6302).

(vii) *Coweeman Watershed 1708000508*. Outlet(s) = Cowlitz River (Lat 46.0977, Long –122.9141); Owl Creek (46.0771, –122.8676) upstream to endpoint(s) in: Baird Creek (46.1704, –122.6119); Coweeman River (46.1505, –122.5792); Cowlitz River (46.2660, –122.9154); Leckler Creek (46.2092, –122.9206); Mulholland Creek (46.1932, –122.6992); North Fork Goble Creek (46.1209, –122.7689); Ostrander Creek (46.2095, –122.8623); Owl Creek (46.0914, –122.8692); Salmon Creek (46.2547, –122.8839); South Fork Ostrander Creek (46.1910, –122.8600); Unnamed (46.0838, –122.7264).

(7) Lower Columbia Subbasin 17080006—(i) *Big Creek Watershed 1708000602*. Outlet(s) = Bear Creek (Lat 46.1719; Long –123.6642); Big Creek (46.1847, –123.5943); Blind Slough

(46.2011, –123.5822); John Day River (46.1820, –123.7392) upstream to endpoint(s) in: Bear Creek (46.1181, –123.6388); Big Creek (46.1475, –123.5819); Gnat Creek (46.1614, –123.4813); John Day River (46.1763, –123.7474).

(ii) *Grays Bay Watershed 1708000603*. Outlet(s) = Crooked Creek (Lat 46.2962, Long –123.6795); Deep River (46.3035, –123.7092); Grays River (46.3035, –123.6867); Sisson Creek (46.3011, –123.7237); Unnamed (46.3042, –123.6870) upstream to endpoint(s) in: Crooked Creek (46.3033, –123.6222); East Fork Grays River (46.4425, –123.4081); Fossil Creek (46.3628, –123.5530); Grays River (46.4910, –123.4334); Hull Creek (46.3725, –123.5866); Johnson Canyon (46.3699, –123.6659); Klints Creek (46.3562, –123.5675); Malone Creek (46.3280, –123.6545); Mitchell Creek (46.4512, –123.4371) South Fork Grays River (46.3813, –123.4581); Sweigiler Creek (46.4195, –123.5375); Unnamed (46.3283, –123.7376); Unnamed (46.3651, –123.6839); Unnamed (46.4701, –123.4515); West Fork Grays River (46.4195, –123.5530).

(8) Clackamas Subbasin 17090011—(i) *Lower Clackamas River Watershed 1709001106*. Outlet(s) = Clackamas River (Lat 45.3719, Long –122.6071) upstream to endpoint(s) in: Clackamas River (45.2440, –122.2798); Clear Creek (45.3568, –122.4781); Deep Creek (45.3916, –122.4028); Richardson Creek (45.3971, –122.4712); Rock Creek (45.4128, –122.5043).

(ii) [Reserved]

(9) Lower Willamette Subbasin 17090012—(i) *Johnson Creek Watershed 1709001201*. Outlet(s) = Willamette River (Lat 45.4423, Long –122.6453) upstream to endpoint(s) in: Crystal Springs Creek (45.4770, –122.6403); Kellogg Creek (45.4344, –122.6314); Tryon Creek (45.4239, –122.6595); Unnamed (45.4002, –122.6423); Willamette River (45.3719, –122.6071).

(ii) *Scappoose Creek Watershed 1709001202*. Outlet(s) = Multnomah Channel (Lat 45.8577, Long –122.7919) upstream to endpoint(s) in: Cunningham Slough (45.8250, –122.8069); Multnomah Channel (45.6188, –122.7921); North Scappoose Creek (45.8014, –122.9340).

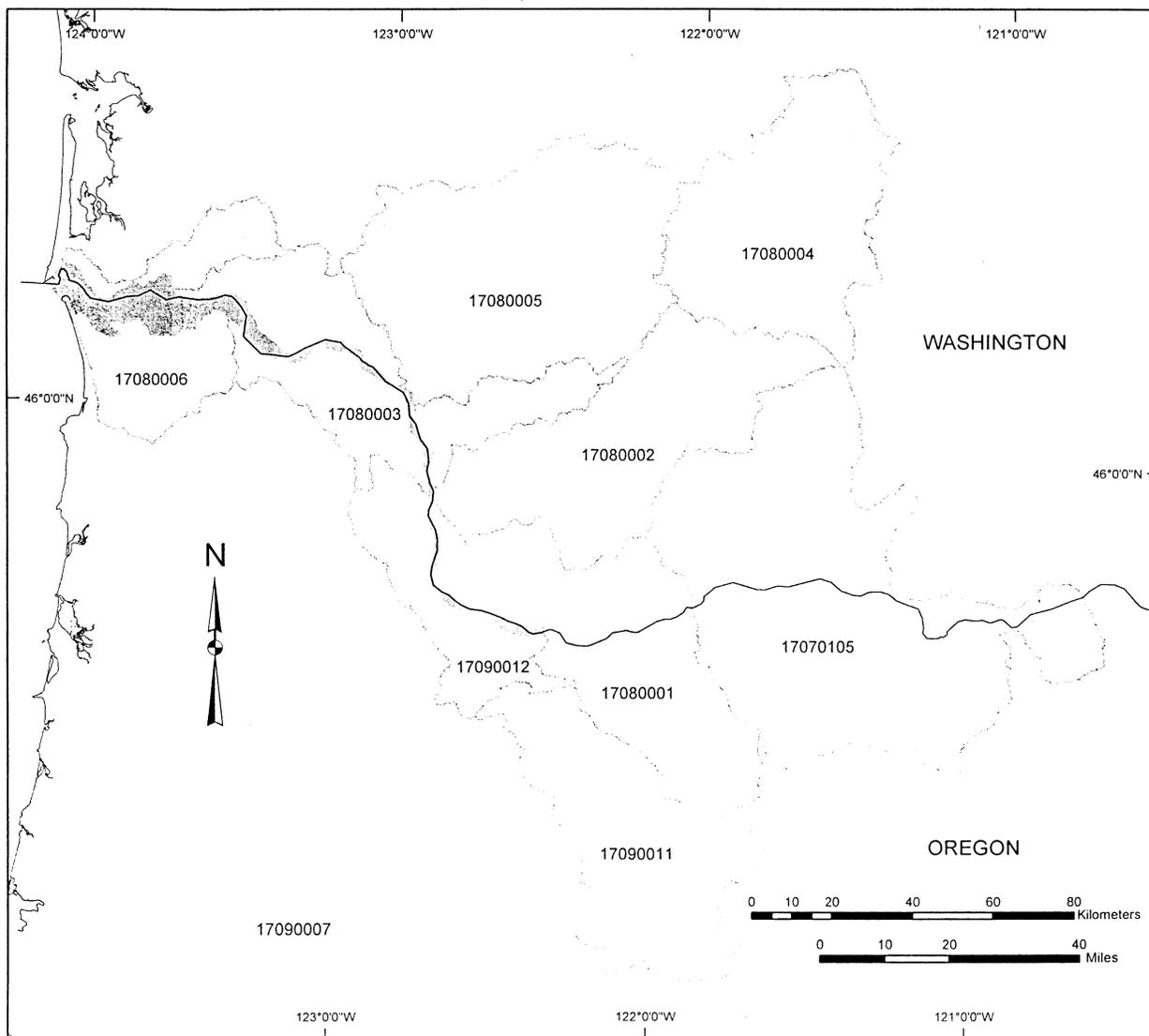
(iii) *Columbia Slough/Willamette River Watershed 1709001203*. Outlet(s) = Willamette River (Lat 45.6530, Long –122.7646) upstream to endpoint(s) in: Bybee/Smith Lakes (45.6189, –122.7333); Columbia Slough (45.5979, –122.7137); Willamette River (45.4423, –122.6453).

(10) Lower Columbia River Corridor—Lower Columbia River Corridor.

Outlet(s) = Columbia River (Lat 46.2485,
Long -124.0782) upstream to
endpoint(s) in: Columbia River
(45.5709, -122.4021).

(11) Maps of critical habitat for the
Lower Columbia River chinook salmon
ESU follow:
BILLING CODE 3510-22-P

Map of the Lower Columbia River Chinook Salmon ESU



Legend

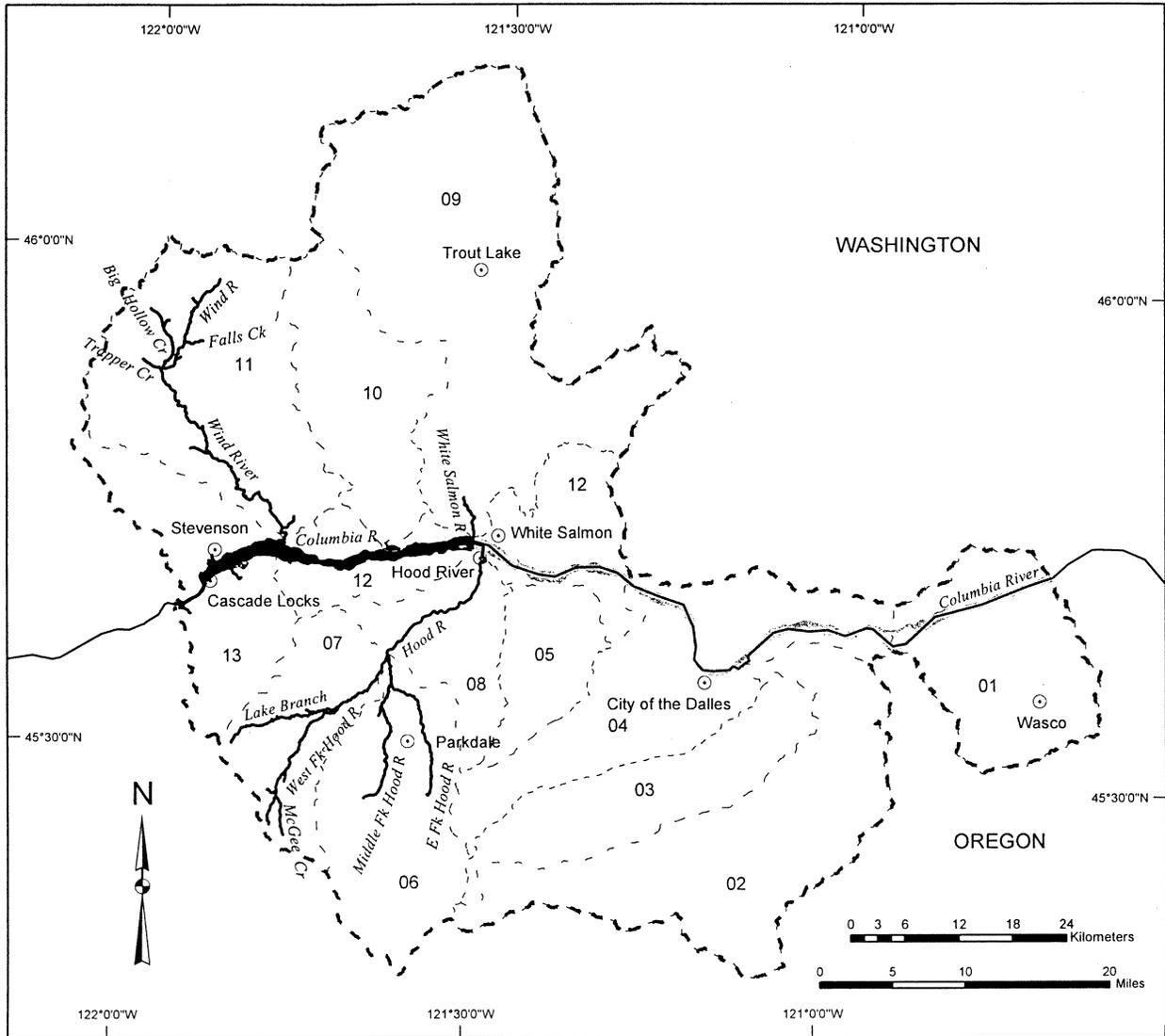
- State Boundaries
 - Water Bodies
 - Subbasin Boundaries
- * All habitat areas in subbasin are excluded from designation

Area of Detail



**Final Critical Habitat for the
Lower Columbia River Chinook Salmon ESU**

**MIDDLE COLUMBIA / HOOD SUBBASIN
17070105**



Legend

- ⊙ Cities / Towns
- ~ Critical Habitat
- State Boundary
- Water Bodies
- - - Subbasin Boundary
- Watershed Boundaries

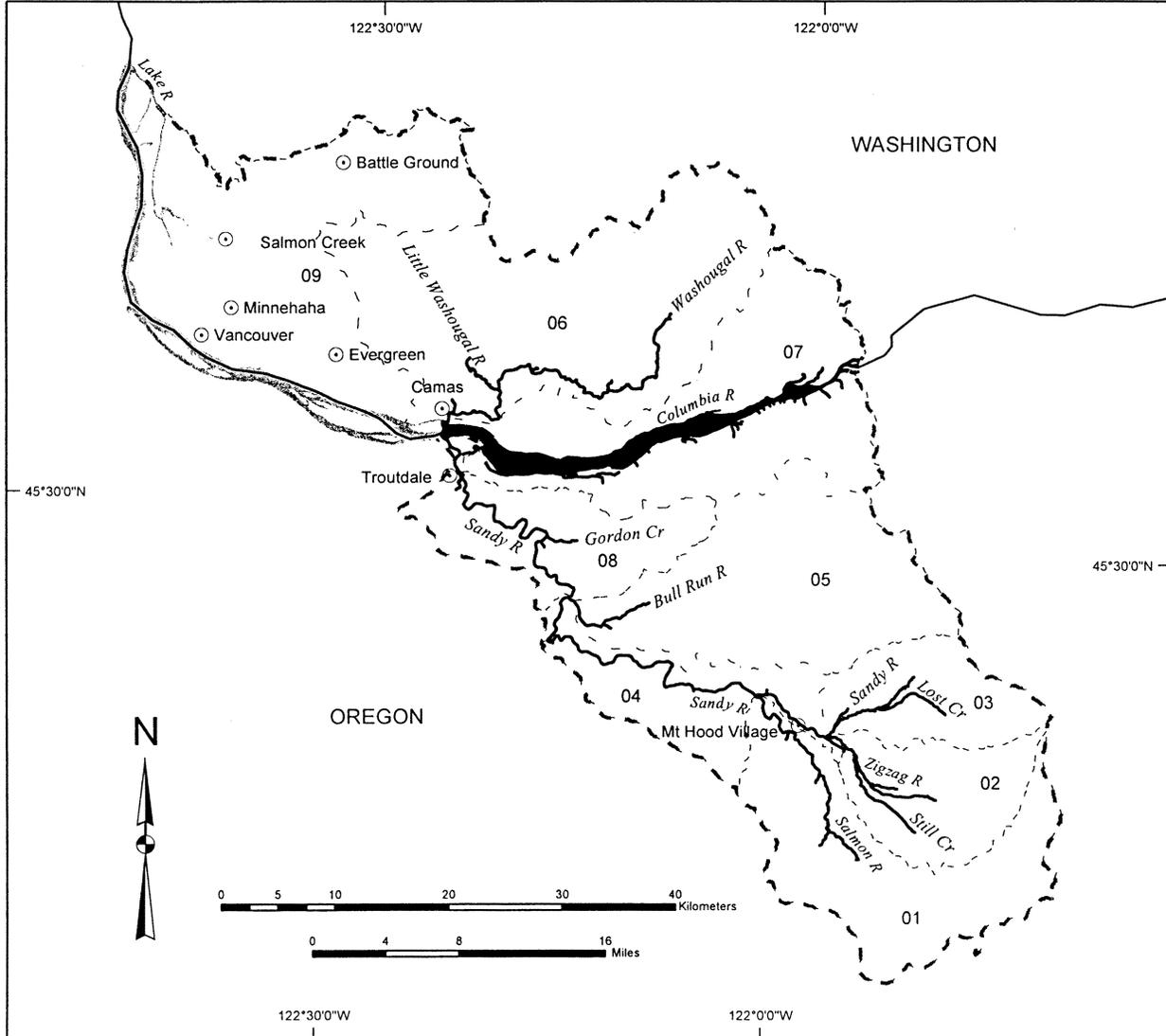
01 - 13 = Watershed code - last 2 digits of 17070105xx

Area of Detail



**Final Critical Habitat for the
Lower Columbia River Chinook Salmon ESU**

**LOWER COLUMBIA / SANDY SUBBASIN
17080001**



Legend

- ⊙ Cities / Towns
- ~ Critical Habitat
- State Boundary
- Water Bodies
- - - Subbasin Boundary
- Watershed Boundaries

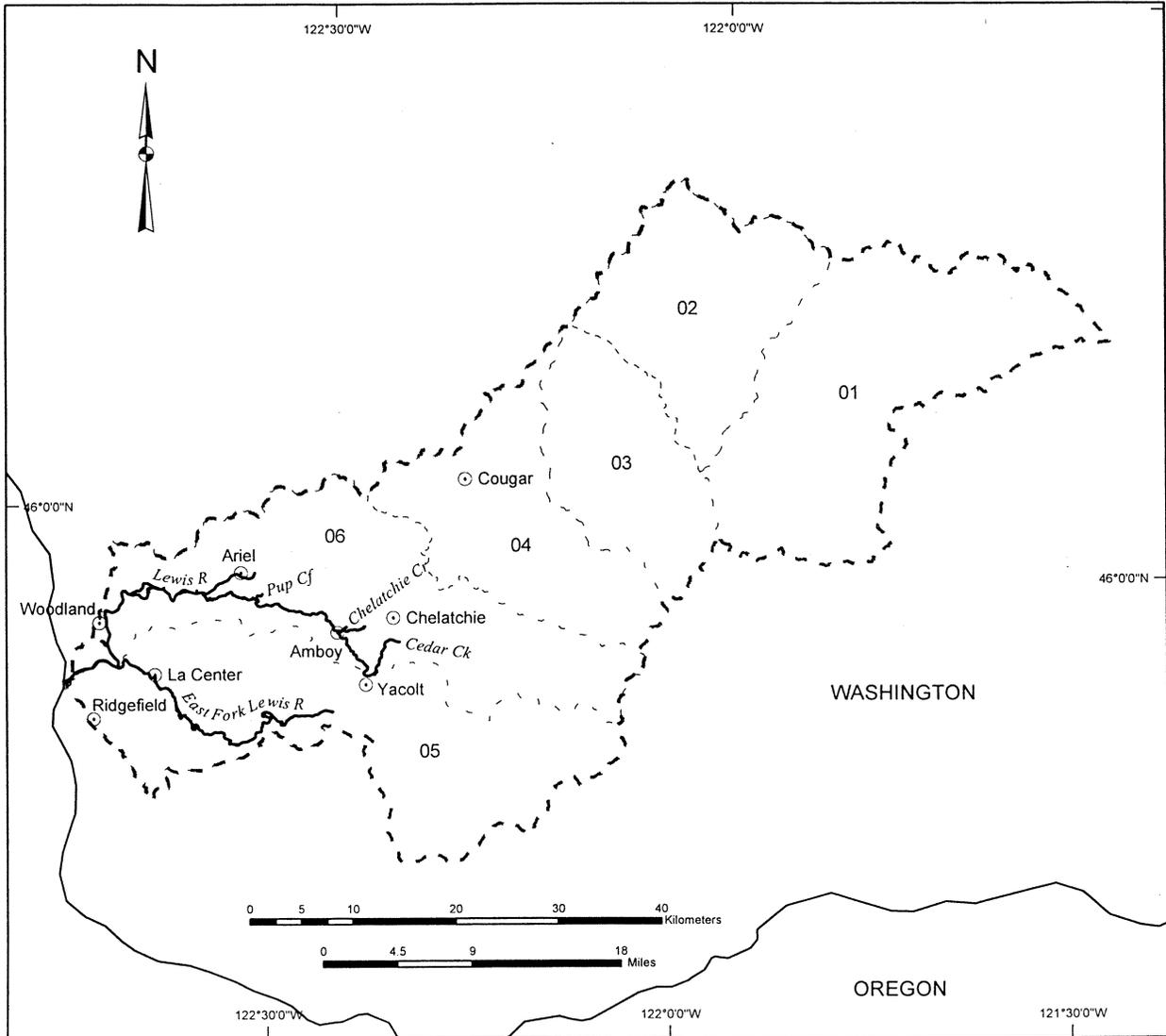
01 - 09 = Watershed code - last 2 digits of 17080001xx

Area of Detail



Final Critical Habitat for the Lower Columbia River Chinook Salmon ESU

**LEWIS SUBBASIN
17080002**



Legend

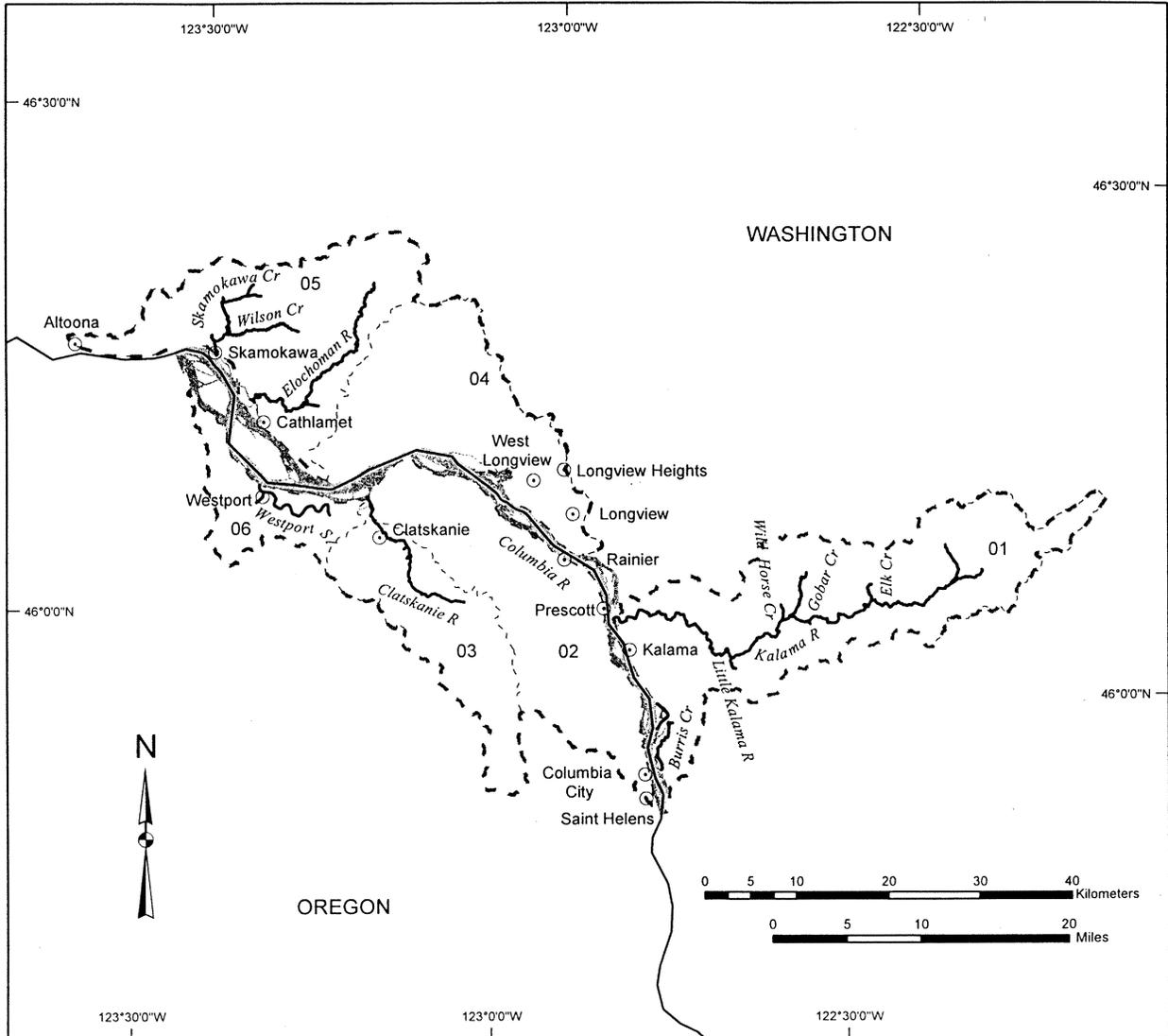
- Cities / Towns
- State Boundary
- ~ Critical Habitat
- - - Subbasin Boundary
- · · Watershed Boundaries

01 - 05 = Watershed code - last 2 digits of 17080002xx



**Final Critical Habitat for the
Lower Columbia River Chinook Salmon ESU**

**LOWER COLUMBIA / CLATSKANIE SUBBASIN
17080003**



Legend

- Cities / Towns
- State Boundary
- ~ Critical Habitat
- Water Bodies
- - - Subbasin Boundary
- Watershed Boundary

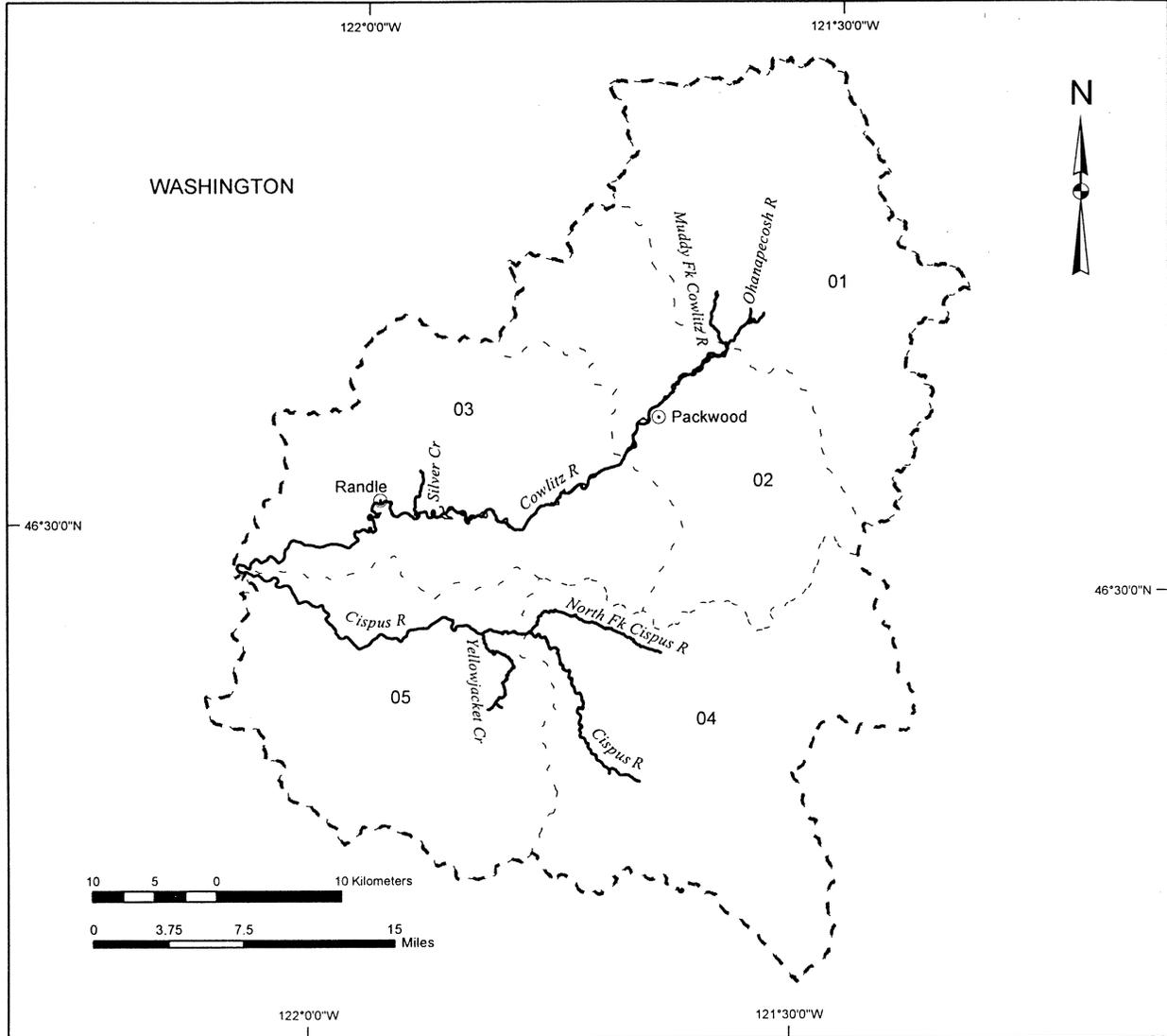
01 - 06 = Watershed code - last 2 digits of 17080003xx

Area of Detail



Final Critical Habitat for the Lower Columbia River Chinook Salmon ESU

UPPER COWLITZ SUBBASIN
17080004



Legend

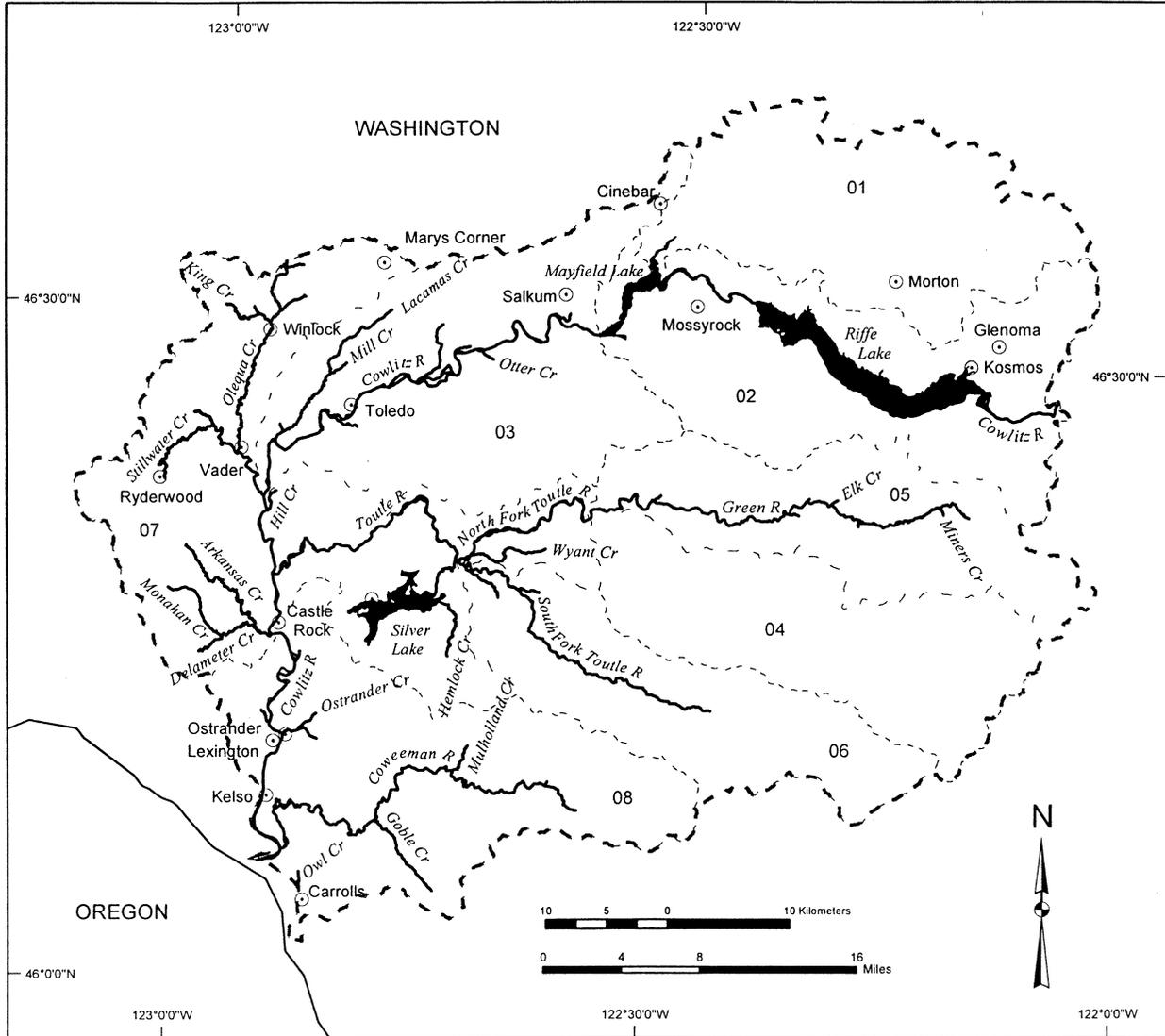
- ⊙ Cities / Towns
- ~ Critical Habitat
- - - Subbasin Boundary
- Watershed Boundaries

01 - 05 = Watershed code - last 2 digits of 17080004xx



**Final Critical Habitat for the
Lower Columbia River Chinook Salmon ESU**

**COWLITZ SUBBASIN
17080005**



Legend

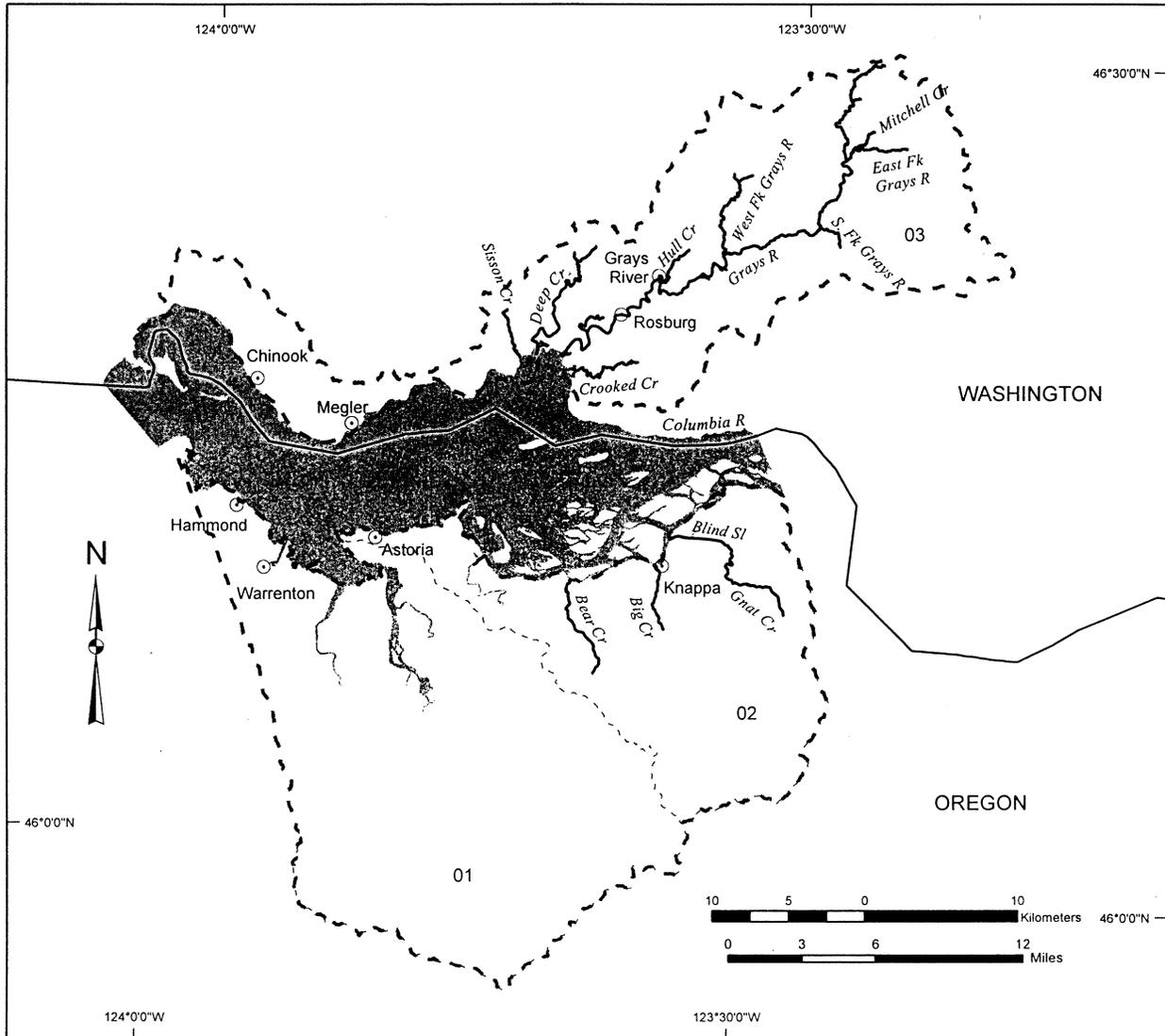
- ⊙ Cities / Towns
- State Boundary
- ~ Critical Habitat
- - - Subbasin Boundary
- - - Watershed Boundaries

01 - 08 = Watershed code - last 2 digits of 17080005xx



Final Critical Habitat for the Lower Columbia River Chinook Salmon ESU

LOWER COLUMBIA SUBBASIN 17080006



Legend

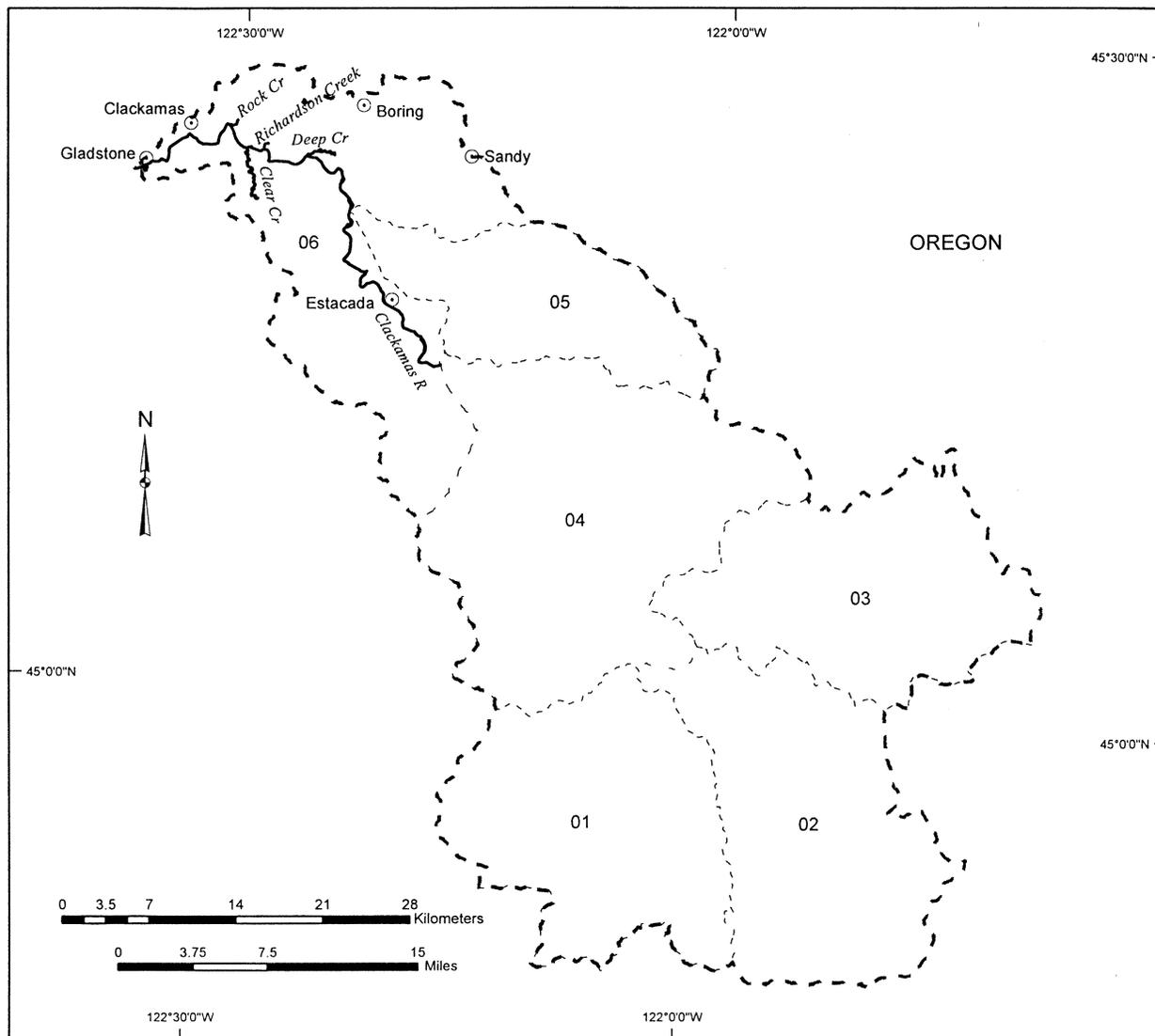
- Cities / Towns
- State Boundary
- ~ Critical Habitat
- Water Bodies
- - - Subbasin Boundary
- Watershed Boundaries

01 - 03 = Watershed code - last 2 digits of 17080006xx



**Final Critical Habitat for the
Lower Columbia River Chinook Salmon ESU**

**CLACKAMAS SUBBASIN
17090011:**



Legend

- ⊙ Cities / Towns
- State Boundary
- ~ Critical Habitat
- - - Subbasin Boundary
- - - Watershed Boundaries

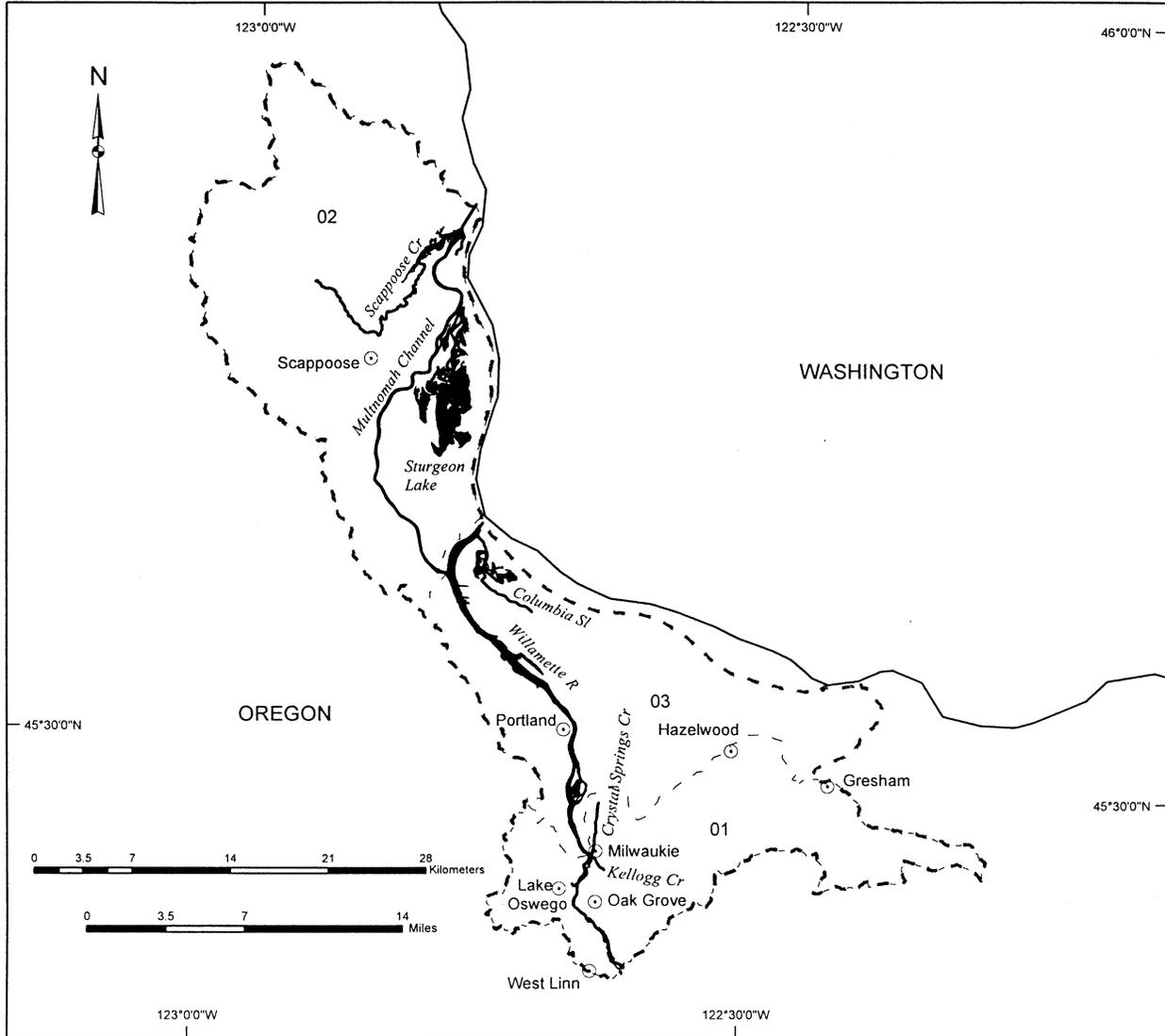
01 - 06 = Watershed code - last 2 digits of 17090011xx

Area of Detail



Final Critical Habitat for the Lower Columbia River Chinook Salmon ESU

LOWER WILLAMETTE SUBBASIN 17090012



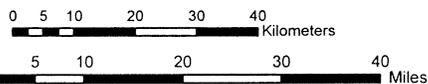
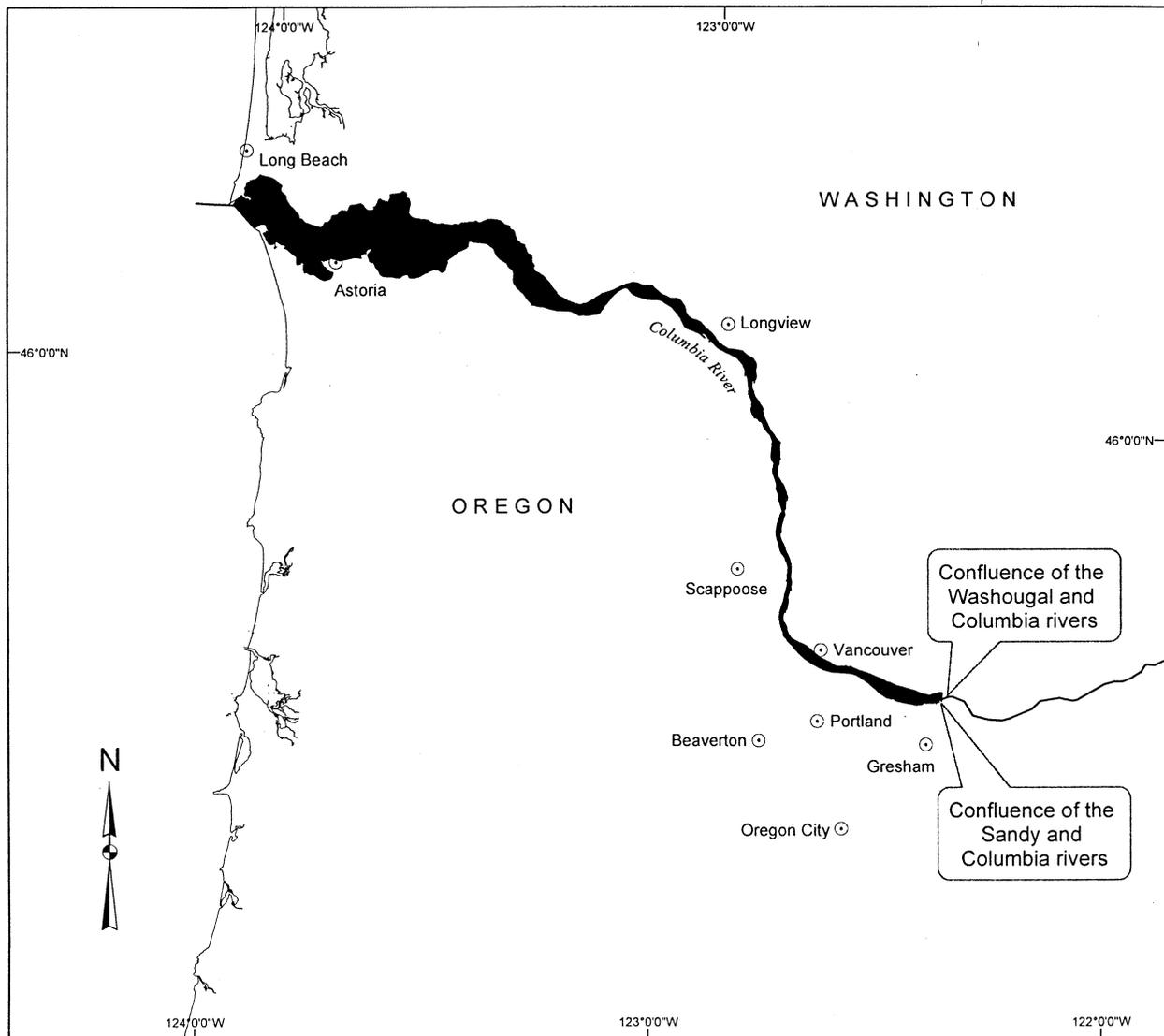
Legend

- ⊙ Cities / Towns
- State Boundary
- ~ Critical Habitat
- - - Subbasin Boundary
- ⋯ Watershed Boundaries

01 - 03 = Watershed code - last 2 digits of 17090012xx



Rearing / Migration Corridor for the Lower Columbia River Chinook Salmon ESU



Legend

- ⊙ Cities / Towns
- State Boundary
-  Rearing / Migration Corridor

Lower Columbia River Chinook ESU

Lower Columbia River Corridor
 The lower Columbia River corridor is that segment from the mouth of the Columbia River at the Pacific Ocean upstream to a line connecting the confluences of the Sandy River (Oregon) and Washougal River (Washington).