

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

## Lower Columbia River Steelhead 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).

(s) *Lower Columbia River Steelhead (Oncorhynchus mykiss)*. 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: Baldwin Creek (45.5618, -121.5585); Bear Creek (45.4894, -121.6516); Cat Creek (45.4708, -121.5591); Clark Creek (45.3335, -121.6420); Coe Branch (45.4342, -121.6673); Cold Spring Creek (45.4020, -121.5873); Culvert Creek (45.3770, -121.5660); Dog River (45.4404, -121.5623); East Fork Hood River (45.3172, -121.6390); Eliot Branch, Middle Fork Hood River (45.4534, -121.6362); Emil Creek (45.5223, -121.5886); Evans Creek (45.4872, -121.5894); Graham Creek (45.5463, -121.5639); Meadows Creek (45.3195, -121.6279); Newton Creek (45.3370, -121.6261); Pinnacle Creek (45.4595, -121.6568); Pocket Creek (45.3025, -121.5969); Polallie Creek (45.4132, -121.5826); Tony Creek (45.5254, -121.6584); Unnamed (45.3470, -121.5843); Unnamed (45.4661, -121.5627); Unnamed (45.5208, -121.6198); Unnamed (45.5445, -121.5738).

(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 (45.4294, -121.7884); Green Point Creek (45.5915, -121.6981); Indian Creek (45.5375, -121.7857); Jones Creek (45.4673, -121.8020); Lake Branch (45.5083, -121.8485); McGee Creek (45.4120, -121.7598); 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 45.7237, Long -121.5049) upstream to endpoint(s) in: Hood River (45.6050, -121.6323); Lenz Creek (45.6291, -121.5220); Neal Creek (45.5787, -121.4875); West Fork Neal Creek (45.5751, -121.5215); Whiskey Creek (45.6827, -121.5064).

(iv) *Wind River Watershed 1707010511*. Outlet(s) = Wind River (Lat 45.7067, Long -121.7929) upstream to endpoint(s) in: Bear Creek (45.7619, -121.8295); Big Hollow Creek (45.9408, -122.0075); Bourbon Creek (45.9246, -121.9982); Brush Creek (45.7720, -121.7528); Cedar Creek (45.8388, -121.7956); Compass Creek (45.8372, -122.0633); Crater Creek (45.8637, -122.0639); Dry Creek (45.9551, -121.9924); East Fork Trout Creek (45.8503, -122.0096); Eightmile Creek

(45.8616, -121.8966); Falls Creek (45.9107, -121.9151); Hollis Creek (45.8524, -121.9304); Jimmy Creek (45.7886, -121.8409); Layout Creek (45.8096, -122.0475); Little Wind River (45.7763, -121.7222); Martha Creek (45.7846, -121.9482); Mouse Creek (45.8415, -121.8428); Ninemile Creek (45.8942, -121.9023); Oldman Creek (45.9856, -121.9369); Panther Creek (45.8605, -121.8422); Pass Creek (45.8555, -122.0133); Planting Creek (45.8071, -122.0010); Proverbial Creek (45.9816, -121.9654); Tenmile Creek (45.8760, -121.8694); Trapper Creek (45.9113, -122.0470); Trout Creek (45.8679, -122.0477); Unnamed (45.7862, -121.9097); Unnamed (45.8008, -121.9881); Unnamed (45.8025, -121.9678); Unnamed (45.8142, -122.0204); Unnamed (45.8149, -122.0532); Unnamed (45.8161, -121.8437); Unnamed (45.8206, -121.8111); Unnamed (45.8218, -121.9470); Unnamed (45.8242, -122.0295); Unnamed (45.8427, -121.9180); Unnamed (45.8509, -121.9190); Unnamed (45.8529, -122.0406); Unnamed (45.8551, -122.0638); Unnamed (45.8610, -121.9635); Unnamed (45.8637, -122.0625); Unnamed (45.8640, -121.9764); Unnamed (45.8682, -121.9714); Unnamed (45.8940, -122.0348); Unnamed (45.8965, -122.0035); Unnamed (45.9652, -121.9517); Unnamed (45.9798, -121.8873); Unnamed (45.9844, -121.9171); Wind River (45.9964, -121.9000).

(v) *Middle Columbia/Grays Creek Watershed 1707010512*. Outlet(s) = Columbia River (Lat 45.7070, Long -121.7943) upstream to endpoint(s) in: Columbia River (45.7237, -121.5049).

(vi) *Middle Columbia/Eagle Creek Watershed 1707010513*. Outlet(s) = Columbia River (Lat 45.6453, Long -121.9395) upstream to endpoint(s) in: Columbia River (45.7070, -121.7943).

(2) Lower Columbia/Sandy Subbasin 17080001—(i) *Salmon River Watershed 17080001*. Outlet(s) = Salmon River (Lat 45.3768, Long -122.0293) upstream to endpoint(s) in: Bighorn Creek (45.2582, -121.9204); Boulder Creek (45.3027, -122.0209); Cheeney Creek (45.2919, -121.9710); Copper Creek (45.2454, -121.9051); Mack Hall Creek (45.2391, -121.9508); Salmon River (45.2511, -121.9025); South Fork Salmon River (45.2500, -121.9770); Unnamed (45.2576, -121.9068); Unnamed (45.2600, -121.9093); Unnamed (45.2633, -121.9153); Unnamed (45.2646, -121.9175); Unnamed (45.2708, -121.9246); Unnamed (45.2946, -121.9388); Unnamed (45.3161, -121.9565); Unnamed

(45.3225, -121.9609); Unnamed (45.3254, -121.9582); Unnamed (45.3277, -121.9635); Unnamed (45.3336, -121.9538); Unnamed (45.3383, -121.9768); Unnamed (45.3398, -121.9954).

(ii) *Zigzag River Watershed 1708000102*. Outlet(s) = Zigzag River (Lat 45.3489, Long -121.9442) upstream to endpoint(s) in: Camp Creek (45.3070, -121.7921); Cool Creek (45.2867, -121.8849); Devil Canyon (45.3186, -121.8587); Henry Creek (45.3241, -121.8869); Lady Creek (45.3199, -121.8225); Little Zigzag Canyon (45.3138, -121.8035); Still Creek (45.3167, -121.7228); Unnamed (45.2647, -121.8342); Unnamed (45.2706, -121.8194); Unnamed (45.2793, -121.8529); Unnamed (45.2801, -121.8537); Wind Creek (45.2961, -121.8515); Zigzag River (45.3270, -121.7786).

(iii) *Upper Sandy River Watershed 1708000103*. Outlet(s) = Sandy River (Lat 45.3489, Long -121.9442) upstream to endpoint(s) in: Cast Creek (45.3794, -121.8538); Clear Creek (45.3998, -121.8936); Clear Fork (45.4256, -121.8006); Horseshoe Creek (45.3664, -121.8680); Little Clear Creek (45.3854, -121.9190); Lost Creek (45.3670, -121.8091); Muddy Fork (45.3920, -121.7577); Sandy River (45.3719, -121.7560); Unnamed (45.3813, -121.8954); Unnamed (45.3904, -121.7979); Unnamed (45.4090, -121.8056); Unnamed (45.4164, -121.8342).

(iv) *Middle Sandy River Watershed 1708000104*. Outlet(s) = Sandy River (Lat 45.4464, Long -122.2459) upstream to endpoint(s) in: Alder Creek (45.3459, -122.0875); Bear Creek #2 (45.3368, -121.9265); Cedar Creek (45.4046, -122.2513); Hackett Creek (45.3525, -121.9504); North Boulder Creek (45.3900, -122.0037); Sandy River (45.3489, -121.9442); Unnamed (45.3469, -122.0673); Unnamed (45.3699, -122.0764); Unnamed (45.3808, -122.0325); Unnamed (45.3864, -122.0355); Whiskey Creek (45.3744, -122.1202).

(v) *Washougal River Watershed 1708000106*. Outlet(s) = Unnamed (Lat 45.5812, Long -122.4077); Washougal River (45.5795, -122.4023) upstream to endpoint(s) in: Bear Creek (45.7732, -122.1468); Bluebird Creek (45.7486, -122.1717); Cougar Creek (45.6514, -122.2677); Dougan Creek (45.7080, -122.1817); East Fork Little Washougal River (45.6722, -122.2827); Grouse Creek (45.7574, -122.1352); Hagen Creek (45.7154, -122.2518); Jackson Creek (45.6755, -122.2530); Jones Creek (45.6913, -122.2870); Lacamas Creek (45.5972, -122.3933); Little Washougal

River (45.7006, -122.3212); Lookout Creek (45.7806, -122.1006); Meander Creek (45.7708, -122.0848); Prospector Creek (45.7590, -122.0890); Silver Creek (45.7343, -122.1694); Stebbins Creek (45.7285, -122.0683); Texas Creek (45.6946, -122.1873); Timber Creek (45.7236, -122.1001); Unnamed (45.5873, -122.4121); Unnamed (45.6002, -122.3312); Unnamed (45.6132, -122.3238); Unnamed (45.6177, -122.2425); Unnamed (45.6206, -122.3449); Unnamed (45.6213, -122.2807); Unnamed (45.6243, -122.2283); Unnamed (45.6251, -122.3419); Unnamed (45.6279, -122.2549); Unnamed (45.6297, -122.2463); Unnamed (45.6321, -122.2753); Unnamed (45.6328, -122.2574); Unnamed (45.6382, -122.2915); Unnamed (45.6477, -122.3665); Unnamed (45.6487, -122.3336); Unnamed (45.6507, -122.1562); Unnamed (45.6531, -122.2739); Unnamed (45.6594, -122.2062); Unnamed (45.6622, -122.3015); Unnamed (45.6625, -122.3446); Unnamed (45.6675, -122.3415); Unnamed (45.6694, -122.1553); Unnamed (45.6703, -122.3399); Unnamed (45.6721, -122.1725); Unnamed (45.6749, -122.3370); Unnamed (45.6798, -122.2905); Unnamed (45.6835, -122.3336); Unnamed (45.6836, -122.1146); Unnamed (45.6871, -122.2996); Unnamed (45.6934, -122.1063); Unnamed (45.6949, -122.3305); Unnamed (45.6959, -122.3149); Unnamed (45.6965, -122.0837); Unnamed (45.7074, -122.1566); Unnamed (45.7080, -122.2600); Unnamed (45.7092, -122.2510); Unnamed (45.7179, -122.0744); Unnamed (45.7201, -122.1360); Unnamed (45.7249, -122.1067); Unnamed (45.7285, -122.1965); Unnamed (45.7303, -122.1126); Unnamed (45.7458, -122.1328); Unnamed (45.7476, -122.0518); Unnamed (45.7482, -122.1594); Unnamed (45.7624, -122.1308); Unnamed (45.7841, -122.1211); Washougal River (45.7798, -122.1403); West Fork Washougal River (45.7382, -122.2173); Wildboy Creek (45.6712, -122.2172); Winkler Creek (45.6377, -122.2588).

(vi) *Columbia Gorge Tributaries Watershed 1708000107*. Outlet(s) = Columbia River (Lat 45.5710, Long -122.4021) upstream to endpoint(s) in: Columbia River (45.6453, -121.9395).

(vii) *Lower Sandy River Watershed 1708000108*. Outlet(s) = Sandy River (Lat 45.5679, Long -122.4023) upstream to endpoint(s) in: Beaver Creek (45.4959, -122.3643); Big Creek (45.5068, -122.2966); Buck Creek

(45.4985, -122.2671); Gordon Creek (45.5021, -122.1805); Kelly Creek (45.5134, -122.3953); Sandy River (45.4464, -122.2459); Smith Creek (45.5136, -122.3339); Trout Creek (45.4819, -122.2769); Unnamed (45.4889, -122.3513); Unnamed (45.5557, -122.3715); Unnamed (45.5600, -122.3650).

(3) *Lewis Subbasin 17080002*—(i) *East Fork Lewis River Watershed*

*1708000205*. Outlet(s) = Allen Creek (Lat 45.8641, Long -122.7499); East Fork Lewis River (45.8664, -122.7189); Gee Creek (45.8462, -122.7803) upstream to endpoint(s) in: Allen Creek (45.8279, -122.6968); Anaconda Creek (45.8208, -122.2652); Basket Creek (45.8327, -122.4579); Big Tree Creek (45.8572, -122.3728); Brezee Creek (45.8625, -122.6637); Cedar Creek (45.7226, -122.3290); Cold Creek (45.7493, -122.3252); Copper Creek (45.8177, -122.2637); Coyote Creek (45.7554, -122.2641); East Fork Lewis River (45.8380, -122.0948); Gee Creek (45.7920, -122.6679); Green Fork (45.8462, -122.1274); Grouse Creek (45.7214, -122.2709); King Creek (45.7802, -122.2552); Little Creek (45.8417, -122.1779); Lockwood Creek (45.8986, -122.5953); Mason Creek (45.8661, -122.5430); McCormick Creek (45.8521, -122.6907); McKinley Creek (45.8026, -122.1797); Niccolls Creek (45.8148, -122.3093); Poison Gulch (45.7898, -122.1617); Riley Creek (45.8936, -122.6175); Rock Creek (45.7375, -122.2571); Roger Creek (45.8183, -122.3426); Slide Creek (45.8477, -122.2090); Unnamed (45.7212, -122.3389); Unnamed (45.7623, -122.2727); Unnamed (45.7697, -122.3157); Unnamed (45.7726, -122.6651); Unnamed (45.7770, -122.3539); Unnamed (45.7802, -122.6068); Unnamed (45.7858, -122.3283); Unnamed (45.7916, -122.3780); Unnamed (45.7919, -122.2780); Unnamed (45.7961, -122.1312); Unnamed (45.7980, -122.5650); Unnamed (45.8033, -122.6667); Unnamed (45.8038, -122.3545); Unnamed (45.8075, -122.1120); Unnamed (45.8076, -122.6285); Unnamed (45.8079, -122.2942); Unnamed (45.8146, -122.4818); Unnamed (45.8147, -122.3144); Unnamed (45.8149, -122.5653); Unnamed (45.8172, -122.5742); Unnamed (45.8207, -122.4916); Unnamed (45.8230, -122.7069); Unnamed (45.8242, -122.6390); Unnamed (45.8292, -122.6040); Unnamed (45.8306, -122.3769); Unnamed (45.8353, -122.4842); Unnamed (45.8363, -122.1252); Unnamed

(45.8368, -122.6498); Unnamed (45.8381, -122.4685); Unnamed (45.8427, -122.3708); Unnamed (45.8432, -122.1480); Unnamed (45.8434, -122.2292); Unnamed (45.8439, -122.6478); Unnamed (45.8471, -122.7486); Unnamed (45.8475, -122.6486); Unnamed (45.8484, -122.4401); Unnamed (45.8498, -122.7300); Unnamed (45.8502, -122.5228); Unnamed (45.8513, -122.1323); Unnamed (45.8537, -122.5973); Unnamed (45.8600, -122.6112); Unnamed (45.8604, -122.3831); Unnamed (45.8606, -122.3981); Unnamed (45.8662, -122.5772); Unnamed (45.8667, -122.5744); Unnamed (45.8689, -122.4227); Unnamed (45.8698, -122.6777); Unnamed (45.8756, -122.4795); Unnamed (45.8813, -122.4772); Unnamed (45.8899, -122.6256); Unnamed (45.8986, -122.5742); Unnamed (45.8988, -122.6123); Unnamed (45.9055, -122.5187); Yacolt Creek (45.8761, -122.4220).

(ii) *Lower Lewis River Watershed 1708000206*. Outlet(s) = Lewis River (Lat 45.8519, Long -122.7806) upstream to endpoint(s) in: Bitter Creek (45.9133, -122.4593); Brush Creek (45.9280, -122.4674); Cedar Creek (45.9019, -122.3655); Chelatchie Creek (45.9357, -122.3784); Colvin Creek (45.9400, -122.6081); Houghton Creek (45.9559, -122.6348); John Creek (45.9291, -122.4964); Johnson Creek (45.9536, -122.6183); Lewis River (45.9570, -122.5550); Pup Creek (45.9486, -122.5245); Robinson Creek (45.9362, -122.7243); Ross Creek (45.9536, -122.7043); Staples Creek (45.9423, -122.6665); Unnamed (45.8696, -122.7658); Unnamed (45.8878, -122.3688); Unnamed (45.8928, -122.4209); Unnamed (45.8940, -122.4371); Unnamed (45.9001, -122.7226); Unnamed (45.9136, -122.6836); Unnamed (45.9141, -122.5565); Unnamed (45.9172, -122.3591); Unnamed (45.9202, -122.5339); Unnamed (45.9203, -122.4557); Unnamed (45.9245, -122.3731); Unnamed (45.9258, -122.5964); Unnamed (45.9294, -122.6225); Unnamed (45.9396, -122.4097); Unnamed (45.9417, -122.7035); Unnamed (45.9436, -122.6417); Unnamed (45.9438, -122.6190); Unnamed (45.9446, -122.6437); Unnamed (45.9457, -122.3926); Unnamed (45.9474, -122.6695); Unnamed (45.9549, -122.6967).

(4) *Lower Columbia/Clatskanie Subbasin 17080003*—*Kalama River Watershed 1708000301*. Outlet(s) = Burris Creek (Lat 45.8926, Long

–122.7892); Bybee Creek (45.9667, –122.8150); Kalama River (46.0340, –122.8695); Mill Creek (45.9579, –122.8030); Schoolhouse Creek (45.9785, –122.8282); Unnamed (46.0001, –122.8438); Unnamed (46.0075, –122.8455) upstream to endpoint(s) in: Arnold Creek (46.0206, –122.5638); Bear Creek (46.0951, –122.5772); Burris Creek (45.9506, –122.7428); Bush Creek (46.0828, –122.4611); Bybee Creek (45.9695, –122.8135); Canyon Creek (45.9540, –122.7925); Cedar Creek (46.0333, –122.8110); Dee Creek (45.9953, –122.6525); Elk Creek (46.1154, –122.4796); Hatchery Creek (46.0673, –122.7548); Indian Creek (46.0516, –122.7502); Jacks Creek (46.0400, –122.5014); Kalama River (46.1109, –122.3579); Knowlton Creek (46.0245, –122.6454); Langdon Creek (46.1137, –122.4364); Little Kalama River (45.9745, –122.6604); Lost Creek (46.0692, –122.5292); Mill Creek (45.9741, –122.7756); North Fork Elk Creek (46.1086, –122.5284); North Fork Kalama River (46.1550, –122.4007); Schoolhouse Creek (45.9810, –122.8217); Spencer Creek (46.0253, –122.8285); Summers Creek (46.0357, –122.6529); Unnamed (45.9034, –122.7792); Unnamed (45.9423, –122.7761); Unnamed (45.9683, –122.7751); Unnamed (45.9772, –122.6534); Unnamed (45.9820, –122.7123); Unnamed (45.9830, –122.8249); Unnamed (45.9957, –122.6742); Unnamed (46.0023, –122.8001); Unnamed (46.0034, –122.8330); Unnamed (46.0059, –122.7350); Unnamed (46.0064, –122.7377); Unnamed (46.0238, –122.5834); Unnamed (46.0257, –122.5913); Unnamed (46.0389, –122.6305); Unnamed (46.0437, –122.5713); Unnamed (46.0440, –122.8548); Unnamed (46.0462, –122.5097); Unnamed (46.0473, –122.7668); Unnamed (46.0611, –122.5514); Unnamed (46.0618, –122.4290); Unnamed (46.0634, –122.5630); Unnamed (46.0645, –122.3953); Unnamed (46.0861, –122.6708); Unnamed (46.0882, –122.5729); Unnamed (46.0982, –122.4887); Unnamed (46.0986, –122.6384); Unnamed (46.0998, –122.6089); Unnamed (46.1031, –122.3851); Unnamed (46.1076, –122.5965); Unnamed (46.1086, –122.4399); Unnamed (46.1088, –122.3440); Unnamed (46.1124, –122.6411); Unnamed (46.1153, –122.5646); Unnamed (46.1159, –122.5728); Unnamed (46.1169, –122.3397); Unnamed (46.1242, –122.5932); Unnamed (46.1244,

–122.4255); Unnamed (46.1355, –122.4413); Unnamed (46.1451, –122.4279); Unnamed (46.1543, –122.4131); Unnamed (46.1559, –122.4254); Wild Horse Creek (46.1018, –122.6755); Wolf Creek (46.0523, –122.4334).

(5) Upper Cowlitz Subbasin  
17080004—(i) *Headwaters Cowlitz River Watershed 1708000401*. Outlet(s) = Cowlitz River (Lat 46.6580, Long –121.6032) upstream to endpoint(s) in: Clear Fork Cowlitz River (46.6846, –121.5668); Muddy Fork Cowlitz River (46.6973, –121.6177); Ohanapecosh River (46.6909, –121.5809); Purcell Creek (46.6722, –121.5877).

(ii) *Upper Cowlitz River Watershed 1708000402*. Outlet(s) = Cowlitz River (Lat 46.5742, Long –121.7059) upstream to endpoint(s) in: Butter Creek (46.6451, –121.6749); Coal Creek (46.6438, –121.6108); Cowlitz River (46.6580, –121.6032); Hall Creek (46.6044, –121.6609); Johnson Creek (46.5546, –121.6373); Lake Creek (46.6227, –121.6093); Skate Creek (46.6850, –121.8052); Unnamed (46.6930, –121.8024).

(iii) *Cowlitz Valley Frontal Watershed 1708000403*. Outlet(s) = Cowlitz River (Lat 46.4765, Long –122.0952) upstream to endpoint(s) in: Burton Creek (46.5423, –121.7505); Cowlitz River (46.5742, –121.7059); Davis Creek (46.5410, –121.8084); Kilborn Creek (46.5081, –121.8007); Oliver Creek (46.5450, –121.9928); Peters Creek (46.5386, –121.9830); Siler Creek (46.4931, –121.9085); Silver Creek (46.5909, –121.9253); Smith Creek (46.5620, –121.6923); Unnamed (46.4913, –122.0820); Unnamed (46.5657, –122.0489); Willame Creek (46.5805, –121.7319).

(iv) *Upper Cispus River Watershed 1708000404*. Outlet(s) = Cispus River (Lat 46.4449, Long –121.7954) upstream to endpoint(s) in: Cispus River (46.3450, –121.6833); East Canyon Creek (46.3472, –121.7028); North Fork Cispus River (46.4362, –121.6479); Timonium Creek (46.4318, –121.6548); Twin Creek (46.3748, –121.7297); Yozoo Creek (46.4363, –121.6637).

(v) *Lower Cispus River Watershed 1708000405*. Outlet(s) = Cispus River (Lat 46.4765, Long –122.0952) upstream to endpoint(s) in: Ames Creek (46.4654, –121.9233); Camp Creek (46.4513, –121.8301); Cispus River (46.4449, –121.7954); Covell Creek (46.4331, –121.8516); Crystal Creek (46.4454, –122.0234); Greenhorn Creek (46.4217, –121.9042); Iron Creek (46.3887, –121.9702); McCoy Creek (46.3891, –121.8190); Quartz Creek (46.4250, –122.0519); Unnamed (46.4633, –121.9548); Woods Creek (46.4741,

–121.9473); Yellowjacket Creek (46.3869, –121.8342).

(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 (46.4538, –122.9192); Blue Creek (46.4885, –122.7253); Brights Creek (46.5015, –122.6247); Cedar Creek (46.4110, –122.7316); Coon Creek (46.4371, –122.9065); Cougar Creek (46.3937, –122.7945); Cowlitz River (46.5033, –122.5870); Foster Creek (46.4073, –122.8897); Hopkey Creek (46.4587, –122.5533); Jones Creek (46.5125, –122.6825); Lacamas Creek (46.5246, –122.7923); Little Salmon Creek (46.4402, –122.7458); Mill Creek (46.5024, –122.8013); Mill Creek (46.5175, –122.6209); Otter Creek (46.4801, –122.7000); Pin Creek (46.4133, –122.8321); Rapid Creek (46.4320, –122.5465); Skook Creek (46.5031, –122.7561); Unnamed (46.3838, –122.7243); Unnamed (46.3841, –122.6789); Unnamed (46.3849, –122.7043); Unnamed (46.3857, –122.9224); Unnamed (46.3881, –122.6949); Unnamed (46.3900, –122.7368); Unnamed (46.3998, –122.8974); Unnamed (46.4001, –122.7437); Unnamed (46.4015, –122.7327); Unnamed (46.4097, –122.5887); Unnamed (46.4102, –122.6787); Unnamed (46.4106, –122.7075); Unnamed (46.4115, –122.9091); Unnamed (46.4117, –122.7554); Unnamed (46.4143, –122.7823); Unnamed (46.4174, –122.6365); Unnamed (46.4241, –122.8170); Unnamed (46.4269, –122.6124); Unnamed (46.4291, –122.6418); Unnamed (46.4293, –122.8354); Unnamed (46.4412, –122.5192); Unnamed (46.4454, –122.8662); Unnamed (46.4496, –122.5281); Unnamed (46.4514, –122.8699); Unnamed (46.4703, –122.7959); Unnamed (46.4708, –122.7713); Unnamed (46.4729, –122.6850); Unnamed (46.4886, –122.8067); Unnamed (46.5172, –122.6534); Unnamed (46.5312, –122.8196).

(iii) *North Fork Toutle River Watershed 1708000504*. Outlet(s) = North Fork Toutle River (Lat 46.3669, Long –122.5859) upstream to endpoint(s) in: Alder Creek (46.2813, –122.4964); Bear Creek (46.3085, –122.3504); Coldwater Creek (46.2884, –122.2675); Cow Creek (46.3287, –122.4616); Hoffstadt Creek (46.3211,

–122.3324); Maratta Creek (46.2925, –122.2845); Unnamed (46.3050, –122.5416); Unnamed (46.3346, –122.5460); Unnamed (46.3394, –122.3314).

(iv) *Green River Watershed 1708000505*. Outlet(s) = Green River (Lat 46.3718, Long –122.5847) upstream to endpoint(s) in: Beaver Creek (46.4056, –122.5671); Cascade Creek (46.3924, –122.3529); Devils Creek (46.4017, –122.4089); Elk Creek (46.4178, –122.2477); Green River (46.3857, –122.1815); Jim Creek (46.3885, –122.5256); Miners Creek (46.3483, –122.1932); Shultz Creek (46.3684, –122.2848); Tradedollar Creek (46.3769, –122.2411); Unnamed (46.3271, –122.2978); Unnamed (46.3467, –122.2092); Unnamed (46.3602, –122.3257); Unnamed (46.3655, –122.4774); Unnamed (46.3683, –122.3454); Unnamed (46.3695, –122.4132); Unnamed (46.3697, –122.4705); Unnamed (46.3707, –122.5175); Unnamed (46.3734, –122.3883); Unnamed (46.3817, –122.2348); Unnamed (46.3844, –122.4335); Unnamed (46.3876, –122.4870); Unnamed (46.3931, –122.3726); Unnamed (46.4023, –122.5543); Unnamed (46.4060, –122.5415); Unnamed (46.4087, –122.5061); Unnamed (46.4106, –122.4300); Unnamed (46.4143, –122.4463); Unnamed (46.4173, –122.2910); Unnamed (46.4196, –122.2850); Unnamed (46.4226, –122.3029); Unnamed (46.4285, –122.2662).

(v) *South Fork Toutle River Watershed 1708000506*. Outlet(s) = South Fork Toutle River (Lat 46.3282, Long –122.7215) upstream to endpoint(s) in: Bear Creek (46.2219, –122.4620); Big Wolf Creek (46.2259, –122.5662); Disappointment Creek (46.2138, –122.3080); Eighteen Creek (46.2453, –122.5989); Harrington Creek (46.2508, –122.4126); Johnson Creek (46.3047, –122.5923); Sheep Canyon (46.2066, –122.2672); South Fork Toutle River (46.2137, –122.2347); Studebaker Creek (46.2825, –122.6805); Thirteen Creek (46.2374, –122.6230); Trouble Creek (46.1999, –122.3774); Twenty Creek (46.2508, –122.5738); Unnamed (46.1858, –122.2983); Unnamed (46.1953, –122.2881); Unnamed (46.2068, –122.3301); Unnamed (46.2075, –122.3267); Unnamed (46.2082, –122.2591); Unnamed (46.2107, –122.4301); Unnamed (46.2115, –122.2786); Unnamed (46.2117, –122.2378); Unnamed (46.2121, –122.5188); Unnamed (46.2157, –122.3467); Unnamed (46.2215, –122.5318); Unnamed (46.2234, –122.3265); Unnamed

(46.2265, –122.3906); Unnamed (46.2271, –122.3367); Unnamed (46.2277, –122.3719); Unnamed (46.2309, –122.3828); Unnamed (46.2357, –122.4802); Unnamed (46.2365, –122.4402); Unnamed (46.2424, –122.4860); Unnamed (46.2444, –122.5427); Unnamed (46.2457, –122.6283); Unnamed (46.2523, –122.5147); Unnamed (46.2587, –122.5333); Unnamed (46.2591, –122.5240); Unnamed (46.2608, –122.5493); Unnamed (46.2618, –122.5705); Unnamed (46.2693, –122.5763); Unnamed (46.2707, –122.6094); Unnamed (46.2932, –122.5890); Unnamed (46.2969, –122.6718); Unnamed (46.2976, –122.6129); Unnamed (46.3035, –122.5952); Unnamed (46.3128, –122.7032); Unnamed (46.3217, –122.6473); Whitten Creek (46.2328, –122.4944).

(vi) *East Willapa Watershed 1708000507*. Outlet(s) = Cowlitz River (Lat 46.2660, Long –122.9154) upstream to endpoint(s) in: Arkansas Creek (46.3345, –123.0567); Baxter Creek (46.3367, –122.9841); Brim Creek (46.4446, –123.0395); Campbell Creek (46.3436, –123.0700); Cline Creek (46.3397, –122.8550); Cowlitz River (46.3678, –122.9337); Delameter Creek (46.2705, –123.0143); Ferrier Creek (46.4646, –122.9374); Hemlock Creek (46.2586, –122.7270); Hill Creek (46.3861, –122.8864); King Creek (46.5304, –123.0203); McMurphy Creek (46.4113, –122.9469); Monahan Creek (46.3041, –123.0614); North Fork Brim Creek (46.4627, –123.0222); North Fork Toutle River (46.3669, –122.5859); Owens Creek (46.3994, –123.0457); Rock Creek (46.3479, –122.8144); Rock Creek (46.3531, –122.9368); Snow Creek (46.4486, –122.9805); Stankey Creek (46.3259, –122.8266); Stillwater Creek (46.3583, –123.1144); Sucker Creek (46.2600, –122.7684); Tucker Creek (46.2565, –123.0162); Unnamed (46.2413, –122.9887); Unnamed (46.2480, –123.0169); Unnamed (46.2480, –122.7759); Unnamed (46.2517, –123.0173); Unnamed (46.2606, –122.9549); Unnamed (46.2629, –123.0188); Unnamed (46.2663, –122.9804); Unnamed (46.2709, –122.7687); Unnamed (46.2711, –122.8159); Unnamed (46.2840, –122.8128); Unnamed (46.2878, –123.0286); Unnamed (46.2883, –122.9051); Unnamed (46.2892, –122.9625); Unnamed (46.2900, –122.8124); Unnamed (46.3030, –123.0645); Unnamed (46.3092, –122.9826); Unnamed (46.3160, –122.7783); Unnamed (46.3161, –123.0123); Unnamed

(46.3173, –122.8950); Unnamed (46.3229, –122.8152); Unnamed (46.3245, –122.8609); Unnamed (46.3248, –123.0292); Unnamed (46.3252, –122.9238); Unnamed (46.3294, –122.9084); Unnamed (46.3309, –123.0046); Unnamed (46.3316, –122.8257); Unnamed (46.3346, –123.0167); Unnamed (46.3378, –122.9398); Unnamed (46.3393, –122.9402); Unnamed (46.3415, –122.9208); Unnamed (46.3456, –122.6405); Unnamed (46.3472, –122.9457); Unnamed (46.3488, –123.0519); Unnamed (46.3510, –123.0079); Unnamed (46.3511, –122.7678); Unnamed (46.3584, –122.7902); Unnamed (46.3585, –123.0369); Unnamed (46.3586, –122.7477); Unnamed (46.3599, –123.0992); Unnamed (46.3623, –122.6910); Unnamed (46.3665, –122.6334); Unnamed (46.3667, –122.8953); Unnamed (46.3683, –122.8930); Unnamed (46.3683, –122.7502); Unnamed (46.3718, –122.6202); Unnamed (46.3720, –123.0933); Unnamed (46.3748, –122.6167); Unnamed (46.3818, –122.8822); Unnamed (46.3824, –122.6090); Unnamed (46.3942, –122.9794); Unnamed (46.4015, –123.0272); Unnamed (46.4045, –123.0194); Unnamed (46.4177, –122.9611); Unnamed (46.4200, –123.0403); Unnamed (46.4286, –123.0467); Unnamed (46.4362, –123.0451); Unnamed (46.4379, –122.9985); Unnamed (46.4571, –122.9604); Unnamed (46.4606, –123.0166); Unnamed (46.4724, –122.9989); Unnamed (46.4907, –122.9352); Unnamed (46.5074, –122.8877); Unnamed (46.5089, –122.9291); Unnamed (46.5228, –122.8539); Unnamed (46.5336, –122.9793); Unnamed (46.5371, –122.8214); Unnamed (46.5439, –122.8538); Whittle Creek (46.3122, –122.9501); Wyant Creek (46.3381, –122.6117).

(vii) *Coweeman River 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 (46.1942, –122.5483); Coweeman River (46.1505, –122.5172); Cowlitz River (46.2660, –122.9154); Goble Creek (46.1103, –122.6789); Hill Creek (46.1784, –122.5990); Leckler Creek (46.2317, –122.9470); Little Baird Creek (46.1905, –122.5709); Martin Creek (46.1394, –122.5519); Mulholland Creek (46.2013, –122.6450); Nineteen Creek (46.1437, –122.6146); North Fork Goble Creek (46.1363, –122.6769); Nye Creek (46.1219, –122.8040); O'Neil Creek

(46.1760, -122.5422); Ostrander Creek (46.2103, -122.7623); Owl Creek (46.0913, -122.8644); Salmon Creek (46.2547, -122.8839); Sandy Bend Creek (46.2319, -122.9140); Skipper Creek (46.1639, -122.5887); South Fork Ostrander Creek (46.1875, -122.8240); Turner Creek (46.1167, -122.8149); Unnamed (46.0719, -122.8607); Unnamed (46.0767, -122.8605); Unnamed (46.0824, -122.7200); Unnamed (46.0843, -122.7195); Unnamed (46.1185, -122.7253); Unnamed (46.1289, -122.8968); Unnamed (46.1390, -122.5709); Unnamed (46.1430, -122.8125); Unnamed (46.1433, -122.8084); Unnamed (46.1478, -122.8649); Unnamed (46.1546, -122.6376); Unnamed (46.1562, -122.7808); Unnamed (46.1579, -122.6476); Unnamed (46.1582, -122.5332); Unnamed (46.1605, -122.6681); Unnamed (46.1620, -122.5885); Unnamed (46.1671, -122.6284); Unnamed (46.1688, -122.9215); Unnamed (46.1724, -122.6118); Unnamed (46.1735, -122.8282); Unnamed (46.1750, -122.8428); Unnamed (46.1750, -122.7557); Unnamed (46.1797, -122.7746); Unnamed (46.1803, -122.7801); Unnamed (46.1811, -122.7631); Unnamed (46.1814, -122.7656); Unnamed (46.1840, -122.8191); Unnamed (46.1955, -122.9082); Unnamed (46.1966, -122.5542); Unnamed (46.1971, -122.7118); Unnamed (46.2014, -122.8241); Unnamed (46.2021, -122.6941); Unnamed (46.2027, -122.5593); Unnamed (46.2172, -122.9516); Unnamed (46.2192, -122.6663); Unnamed (46.2199, -122.8375); Unnamed (46.2208, -122.8887); Unnamed (46.2231, -122.9509); Unnamed (46.2257, -122.7667); Unnamed (46.2261, -122.8023); Unnamed (46.2379, -122.8859); Unnamed (46.2430, -122.8842).

(7) Clackamas Subbasin 17090011—(i) *Collawash River Watershed 1709001101*. Outlet(s) = Collawash River (Lat 45.0321, Long -122.0600) upstream to endpoint(s) in: Blister Creek (44.9594, -122.1590); Dickey Creek (44.9335, -122.0469); East Fork Collawash River (44.8789, -121.9850); Elk Lake Creek (44.8886, -122.0128); Fan Creek (44.9926, -122.0735); Farm Creek (44.9620, -122.0604); Hot Springs Fork Collawash River (44.9005, -122.1616); Hugh Creek (44.9226, -122.1978); Pansy Creek (44.9463, -122.1420); Skin Creek (44.9477,

-122.2015); Thunder Creek (44.9740, -122.1230).

(ii) *Upper Clackamas River Watershed 1709001102*. Outlet(s) = Clackamas River (Lat 45.0321, Long -122.0600) upstream to endpoint(s) in: Berry Creek (44.8291, -121.9176); Cabin Creek (45.0087, -121.8958); Clackamas River (44.8723, -121.8470); Cub Creek (44.8288, -121.8863); Fawn Creek (44.9089, -121.9226); Hunter Creek (44.8926, -121.9285); Kansas Creek (44.9820, -121.8999); Last Creek (44.9759, -121.8424); Lost Creek (45.0180, -121.9070); Lowe Creek (44.9636, -121.9457); Pinhead Creek (44.9421, -121.8359); Pot Creek (45.0201, -121.9014); Rhododendron Creek (44.9358, -121.9154); Sisi Creek (44.9110, -121.8875); Unnamed (44.8286, -121.9225); Unnamed (44.8343, -121.8778); Unnamed (44.8944, -121.9028); Unnamed (44.9355, -121.8735); Unnamed (44.9661, -121.8894); Unnamed (44.9687, -121.8920); Unnamed (45.0000, -121.8910).

(iii) *Oak Grove Fork Clackamas River Watershed 1709001103*. Outlet(s) = Oak Grove Fork Clackamas River (Lat 45.0746, Long -122.0520) upstream to endpoint(s) in: Oak Grove Fork Clackamas River (45.0823, -121.9861); Pint Creek (45.0834, -122.0355).

(iv) *Middle Clackamas River Watershed 1709001104*. Outlet(s) = Clackamas River (Lat 45.2440, Long -122.2798) upstream to endpoint(s) in: Big Creek (45.0694, -122.0848); Calico Creek (45.0682, -122.1627); Clackamas River (45.0321, -122.0600); Cripple Creek (45.1149, -122.0618); Fish Creek (45.0634, -122.1597); Mag Creek (45.0587, -122.0488); North Fork Clackamas River (45.2371, -122.2181); Pick Creek (45.0738, -122.1994); Pup Creek (45.1451, -122.1055); Roaring River (45.1773, -122.0650); Sandstone Creek (45.0862, -122.0845); Second Creek (45.1081, -122.1601); South Fork Clackamas River (45.1912, -122.2261); Tag Creek (45.0605, -122.0475); Tar Creek (45.0494, -122.0569); Third Creek (45.0977, -122.1649); Trout Creek (45.0379, -122.0720); Wash Creek (45.0473, -122.1893); Whale Creek (45.1102, -122.0849).

(v) *Eagle Creek Watershed 1709001105*. Outlet(s) = Eagle Creek (Lat 45.3535, Long -122.3823) upstream to endpoint(s) in: Bear Creek (45.3369, -122.2331); Currin Creek (45.3369, -122.3555); Delph Creek (45.2587, -122.2098); Eagle Creek (45.2766, -122.1998); Little Eagle Creek (45.3003, -122.1682); North Fork Eagle Creek

(45.3142, -122.1135); Trout Creek (45.3305, -122.1187).

(vi) *Lower Clackamas River 1709001106*. Outlet(s) = Clackamas River (Lat 45.3719, Long -122.6071) upstream to endpoint(s) in: Bargfeld Creek (45.3195, -122.4398); Clackamas River (45.2440, -122.2798); Clear Creek (45.2022, -122.3121); Deep Creek (45.3421, -122.2799); Foster Creek (45.3512, -122.4082); Goose Creek (45.3621, -122.3549); Little Clear Creek (45.2803, -122.4055); Mosier Creek (45.2683, -122.4516); North Fork Deep Creek (45.4271, -122.3094); Richardson Creek (45.4097, -122.4484); Rock Creek (45.4157, -122.5013); Tickle Creek (45.3932, -122.2775); Unnamed (45.3502, -122.4861); Unnamed (45.3626, -122.2858); Unnamed (45.3816, -122.3721); Unnamed (45.4057, -122.3223); Unnamed (45.4102, -122.2987); Wade Creek (45.2922, -122.3237).

(8) 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 (45.4811, -122.6381); Crystal Springs Lake (45.4799, -122.6361); Johnson Creek (45.4610, -122.3432); Kellogg Creek (45.4083, -122.5925); Kelly Creek (45.4661, -122.4655); Mount Scott Creek (45.4306, -122.5556); Oswego Creek (45.4105, -122.6666); Phillips Creek (45.4328, -122.5763); Tryon Creek (45.4472, -122.6863); Unnamed (45.4793, -122.4165); 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: Multnomah Channel (45.6188, -122.7921).

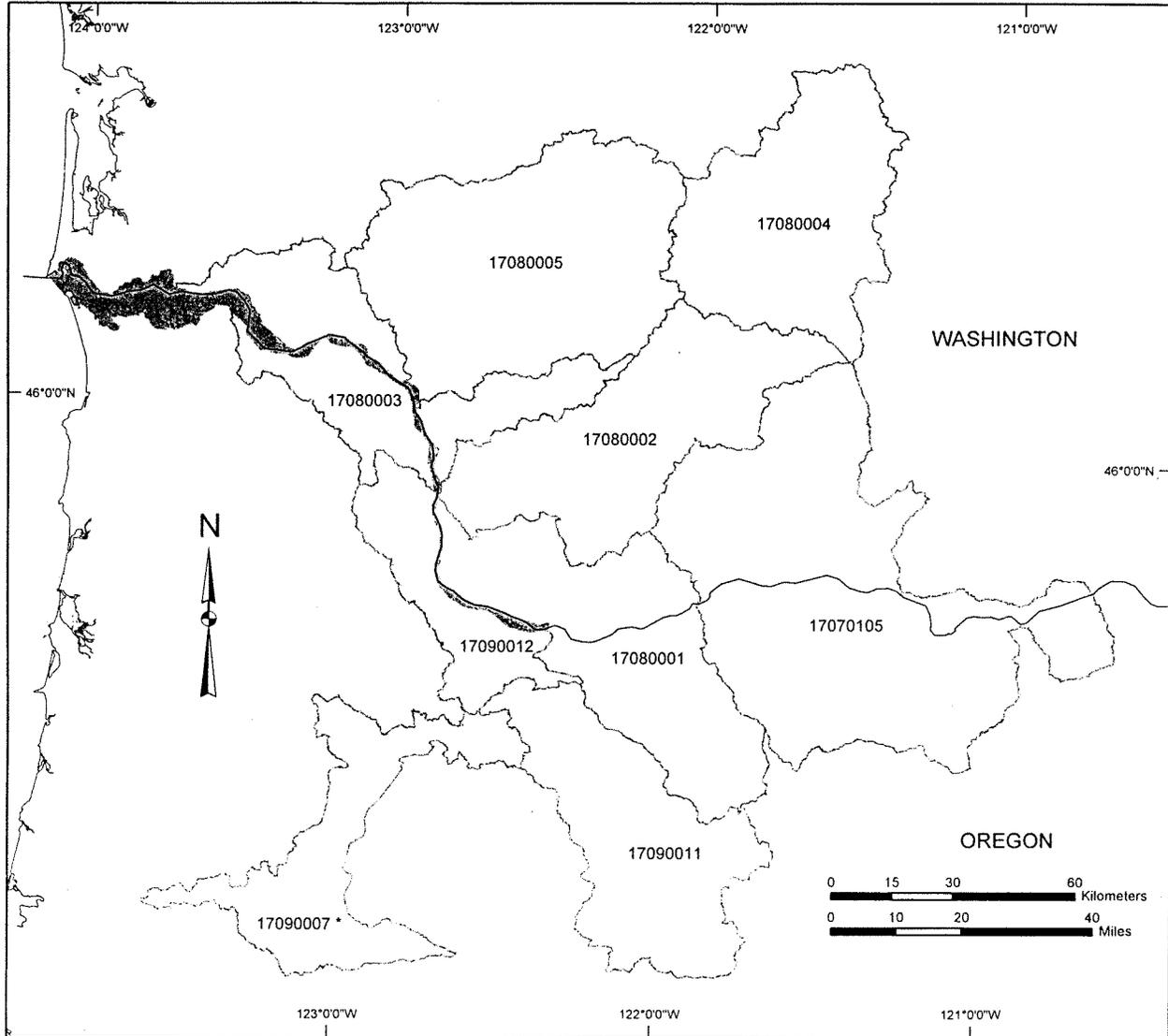
(iii) *Columbia Slough/Willamette River Watershed 1709001203*. Outlet(s) = Willamette River (Lat 45.6530, Long -122.7646) upstream to endpoint(s) in: Bybee Lake (45.6266, -122.7523); Bybee/Smith Lakes (45.6105, -122.7285); Columbia Slough #1 (45.6078, -122.7447); Swan Island Basin (45.5652, -122.7120); Unnamed (45.6253, -122.7568); Willamette River (45.4423, -122.6453).

(9) 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 (45.5710, -122.4021).

(10) Maps of critical habitat for the Lower Columbia River Steelhead ESU follow:

BILLING CODE 3510-22-P

### Map of the Lower Columbia River Steelhead ESU



**Legend**

- State Boundaries
-  Water Bodies
-  Subbasin Boundaries

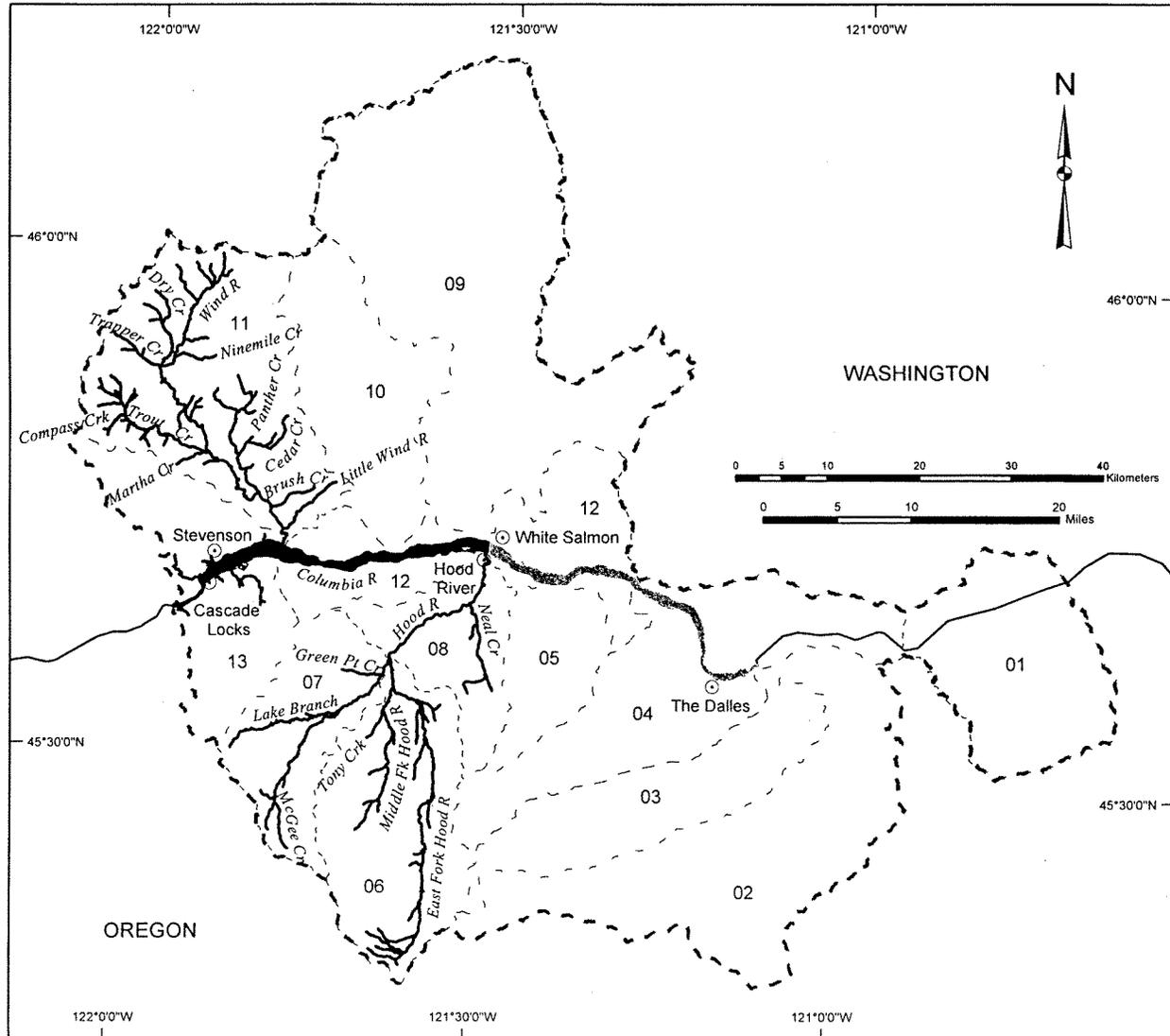
\* All habitat areas in subbasin are proposed for exclusion

**Area of Detail**

The inset map shows the states of WASHINGTON, OREGON, and IDAHO. A shaded area in Washington indicates the location of the Lower Columbia River Steelhead ESU.

**Final Critical Habitat for the  
Lower Columbia River Steelhead ESU**

**MIDDLE COLUMBIA / HOOD SUBBASIN  
17070105**



**Legend**

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

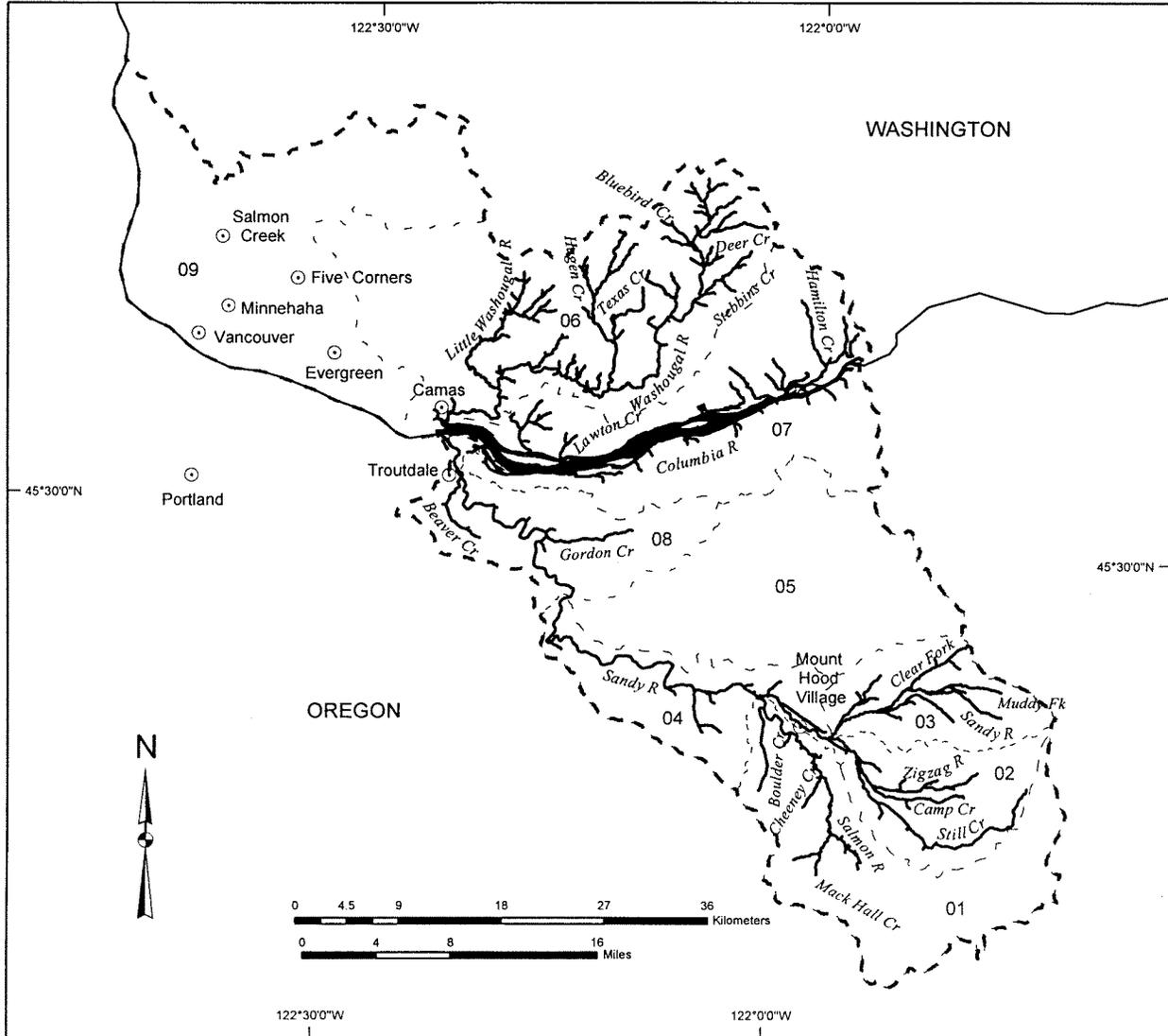
01 - 13 = Watershed code - last 2 digits of 17070105xx

**Area of Detail**



# Final Critical Habitat for the Lower Columbia River Steelhead ESU

# LOWER COLUMBIA / SANDY SUBBASIN 17080001



**Legend**

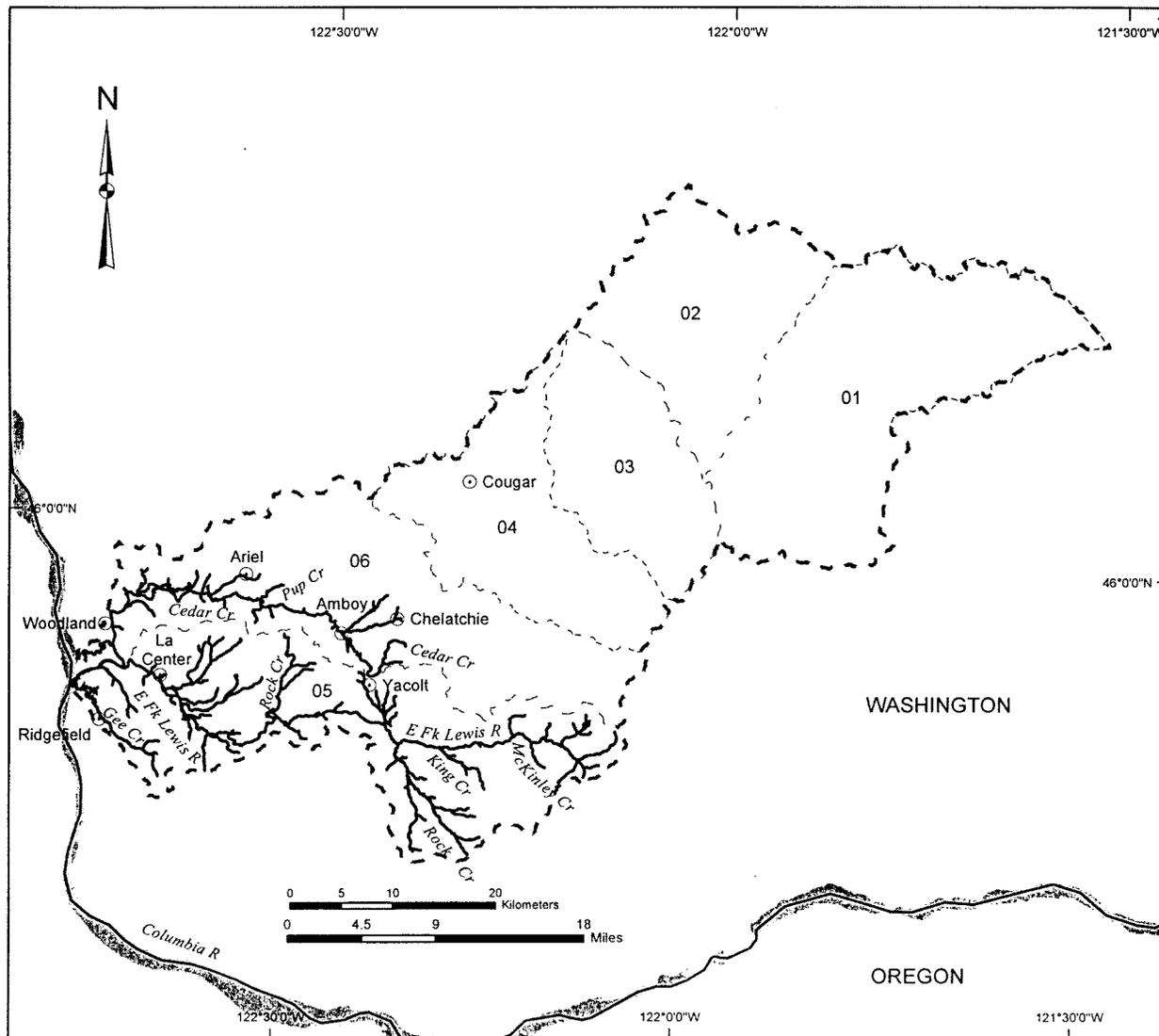
- Cities / Towns
- State Boundary
- ~ Critical Habitat
- - - Subbasin Boundary
- - - Watershed Boundaries

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



**Final Critical Habitat for the  
Lower Columbia River Steelhead ESU**

**LEWIS SUBBASIN  
17080002**



**Legend**

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

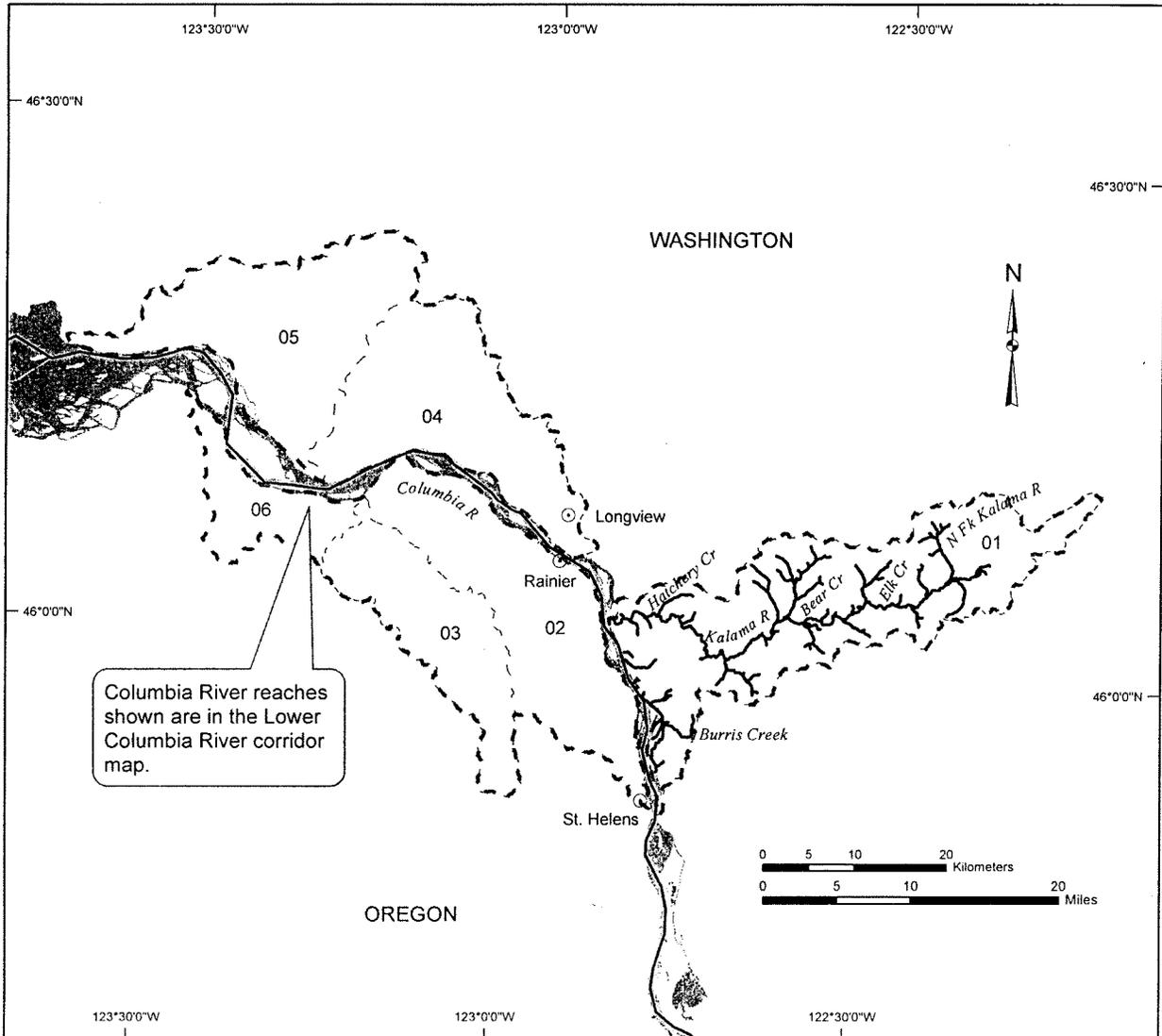
01 - 06 = Watershed code - last 2 digits of 17080002xx

**Area of Detail**



**Final Critical Habitat for the  
Lower Columbia River Steelhead ESU**

**LOWER COLUMBIA / CLATSKANIE SUBBASIN  
17080003**



**Legend**

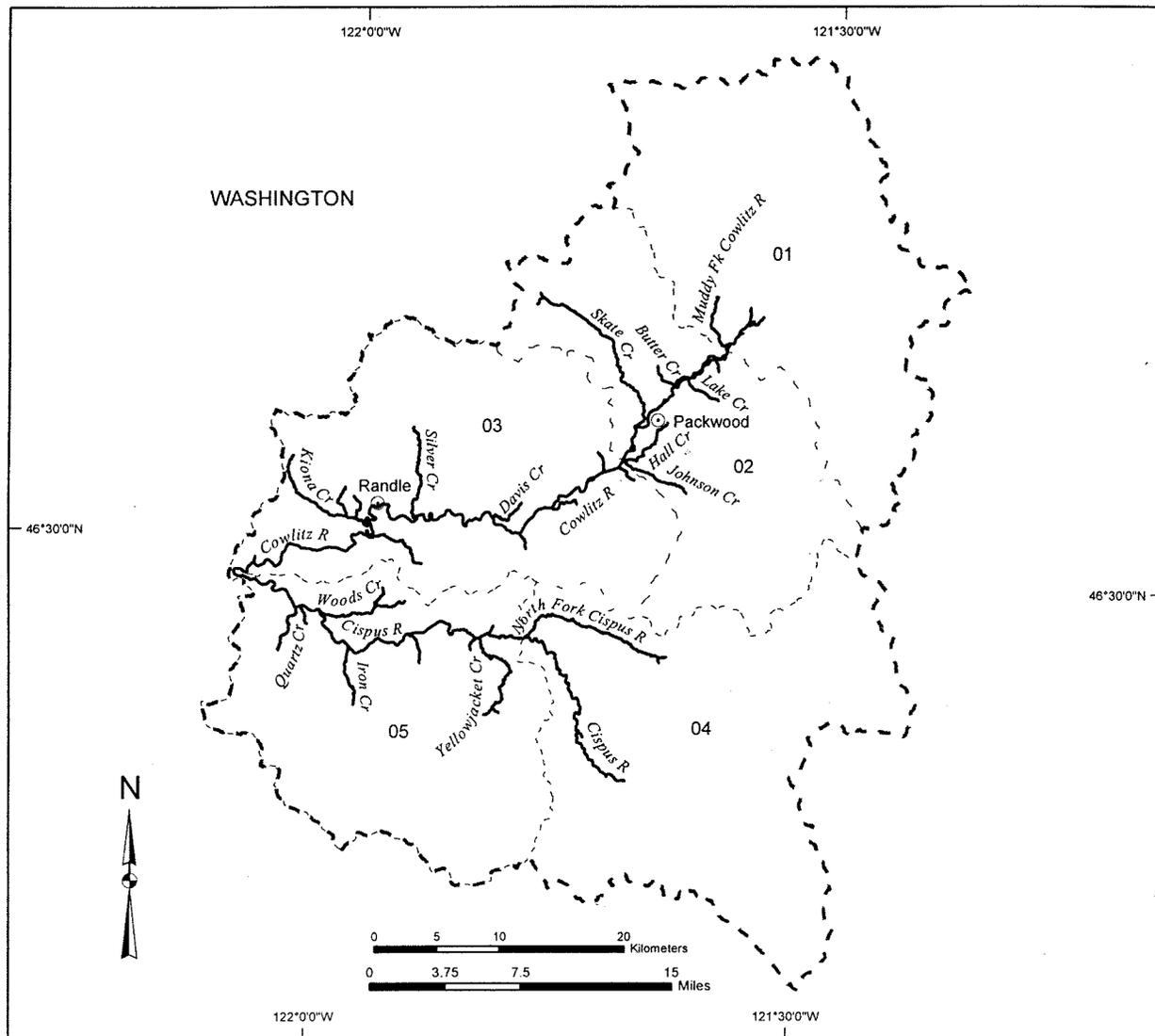
- ⊙ Cities / Towns
- State Boundary
- ~ Critical Habitat
- Water Bodies
- - - Subbasin Boundary
- Watershed Boundaries

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



**Final Critical Habitat for the  
Lower Columbia River Steelhead ESU**

**UPPER COWLITZ SUBBASIN  
17080004**



**Legend**

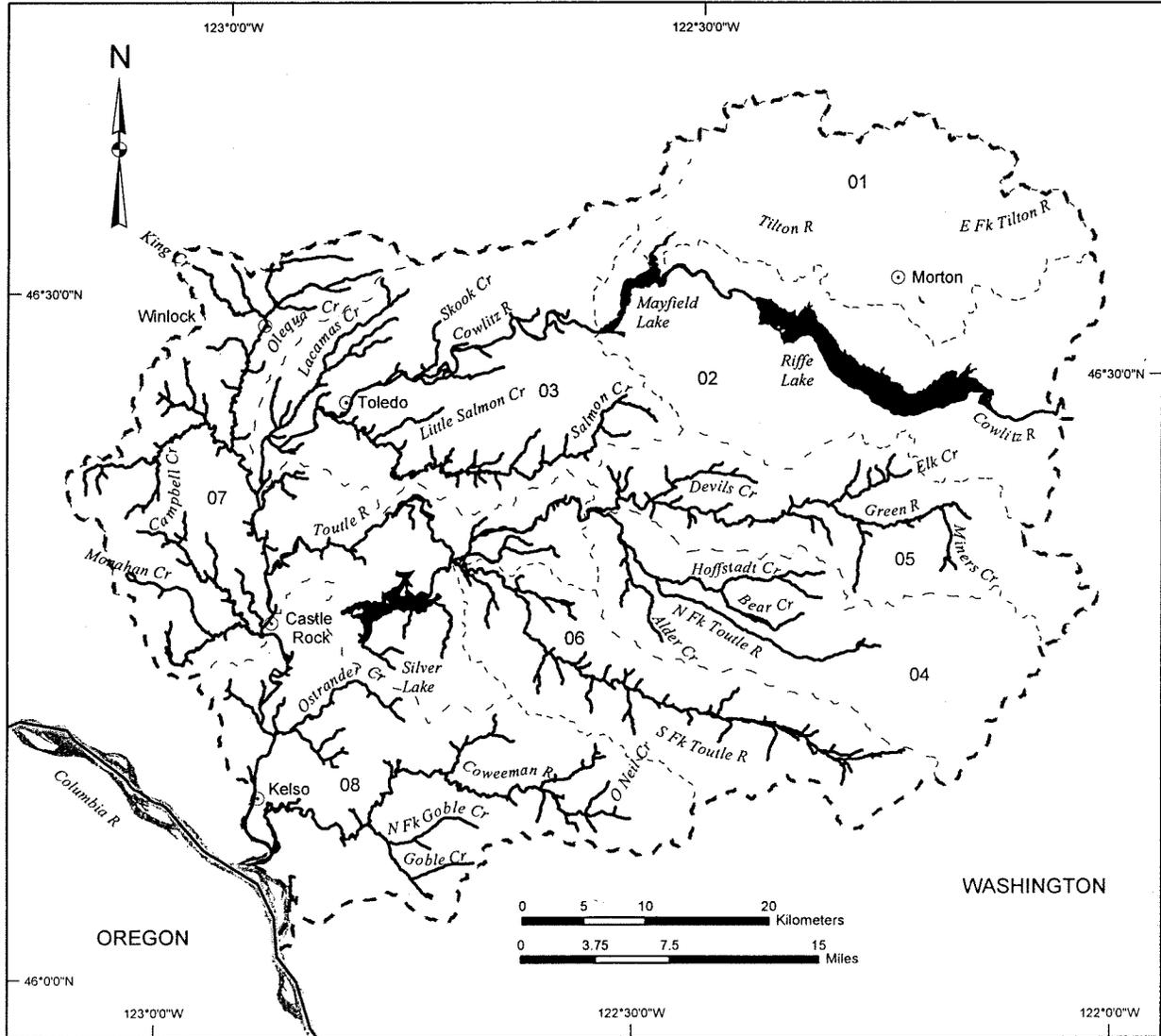
- ⊙ Cities / Towns
- ~ Critical Habitat
- - - Subbasin Boundary
- - - Watershed Boundaries

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



### Final Critical Habitat for the Lower Columbia River Steelhead ESU

**COWLITZ SUBBASIN  
17080005**



#### Legend

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

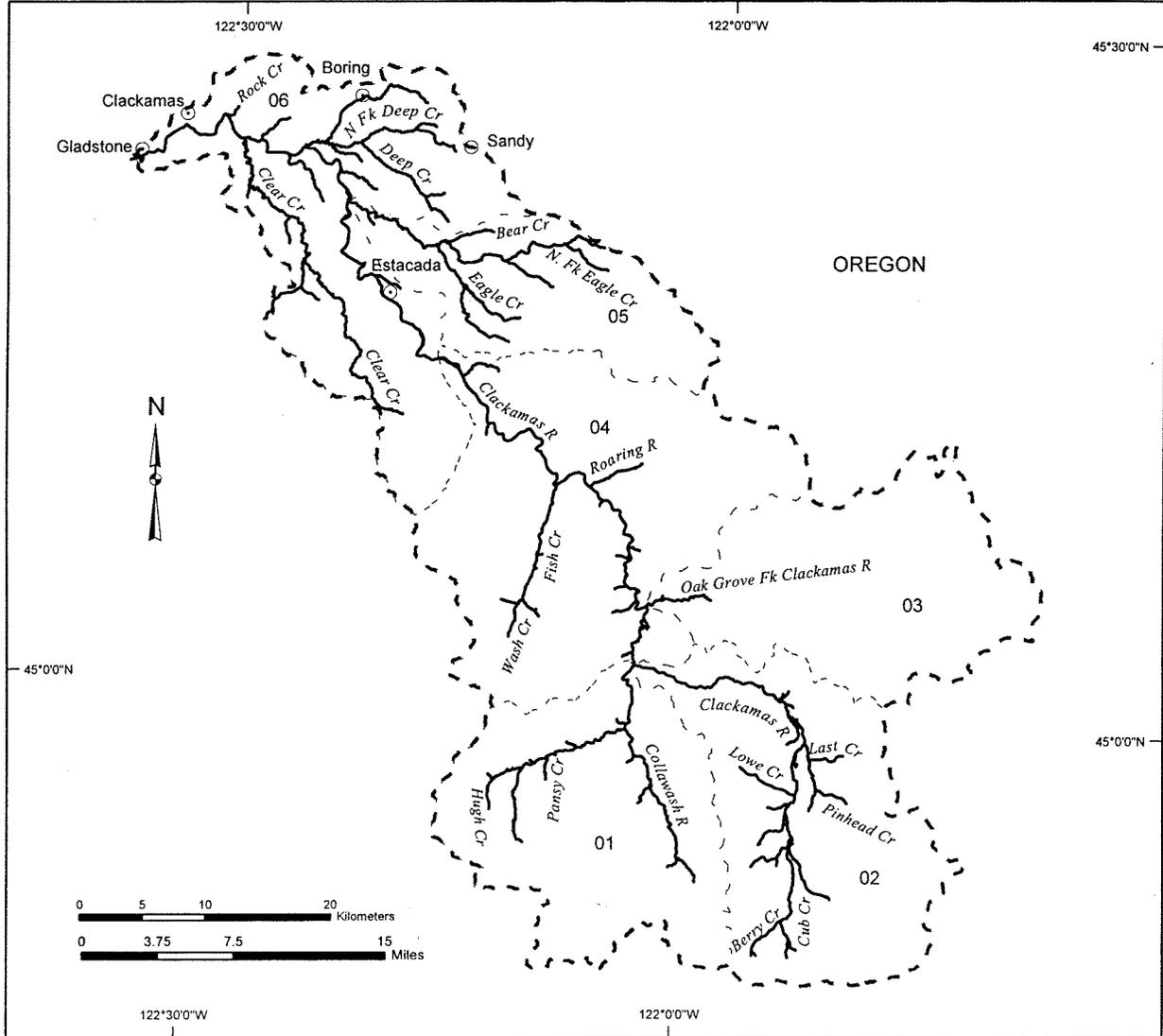
01 - 08 = Watershed code - last 2 digits of 17080005xx

#### Area of Detail



**Final Critical Habitat for the  
Lower Columbia River Steelhead ESU**

**CLACKAMAS SUBBASIN  
17090011**



**Legend**

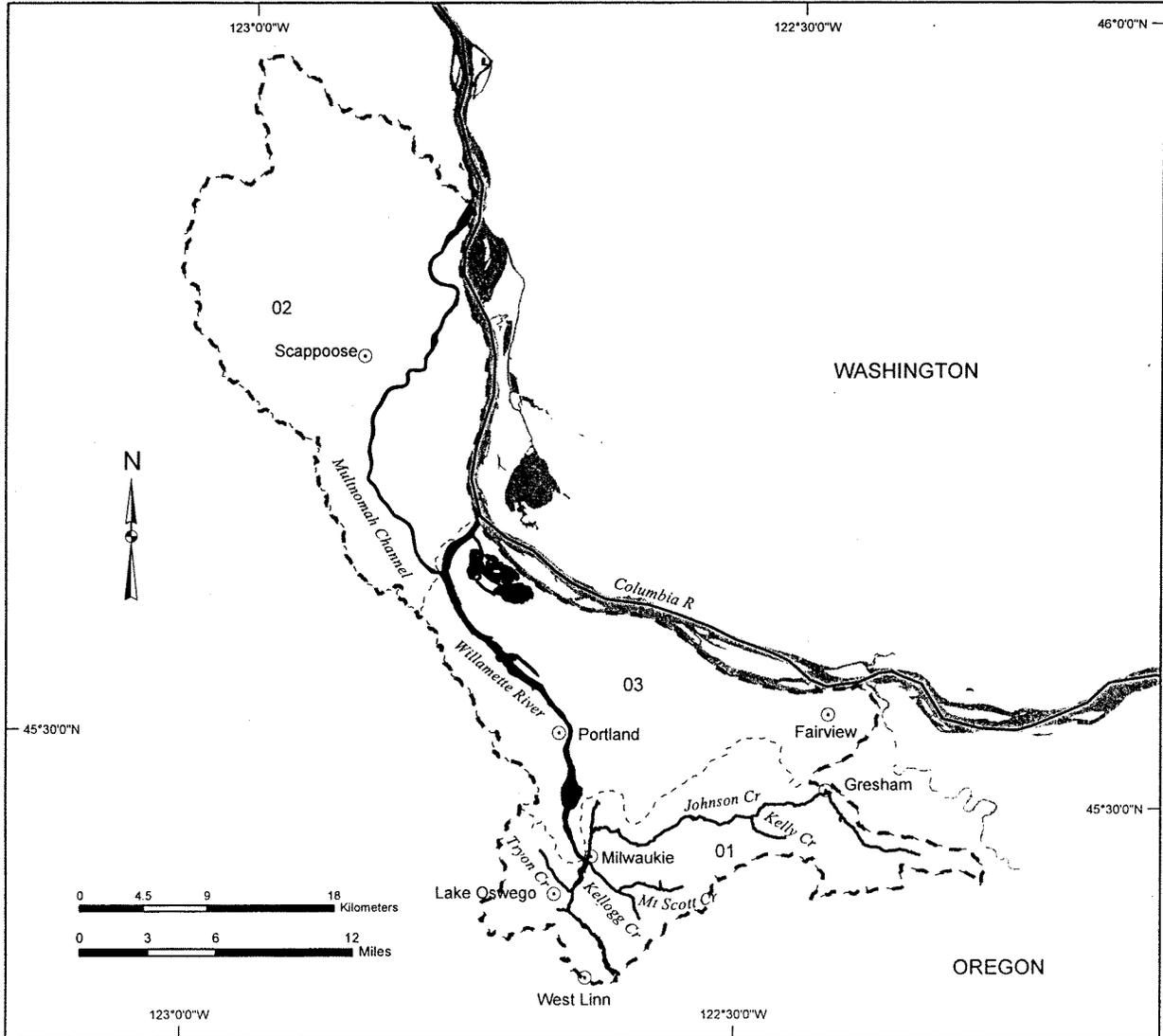
- Cities / Towns
- ~ Critical Habitat
- - - Subbasin Boundary
- Watershed Boundaries

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

**Area of Detail**

### Final Critical Habitat for the Lower Columbia River Steelhead ESU

LOWER WILLAMETTE SUBBASIN 17090012



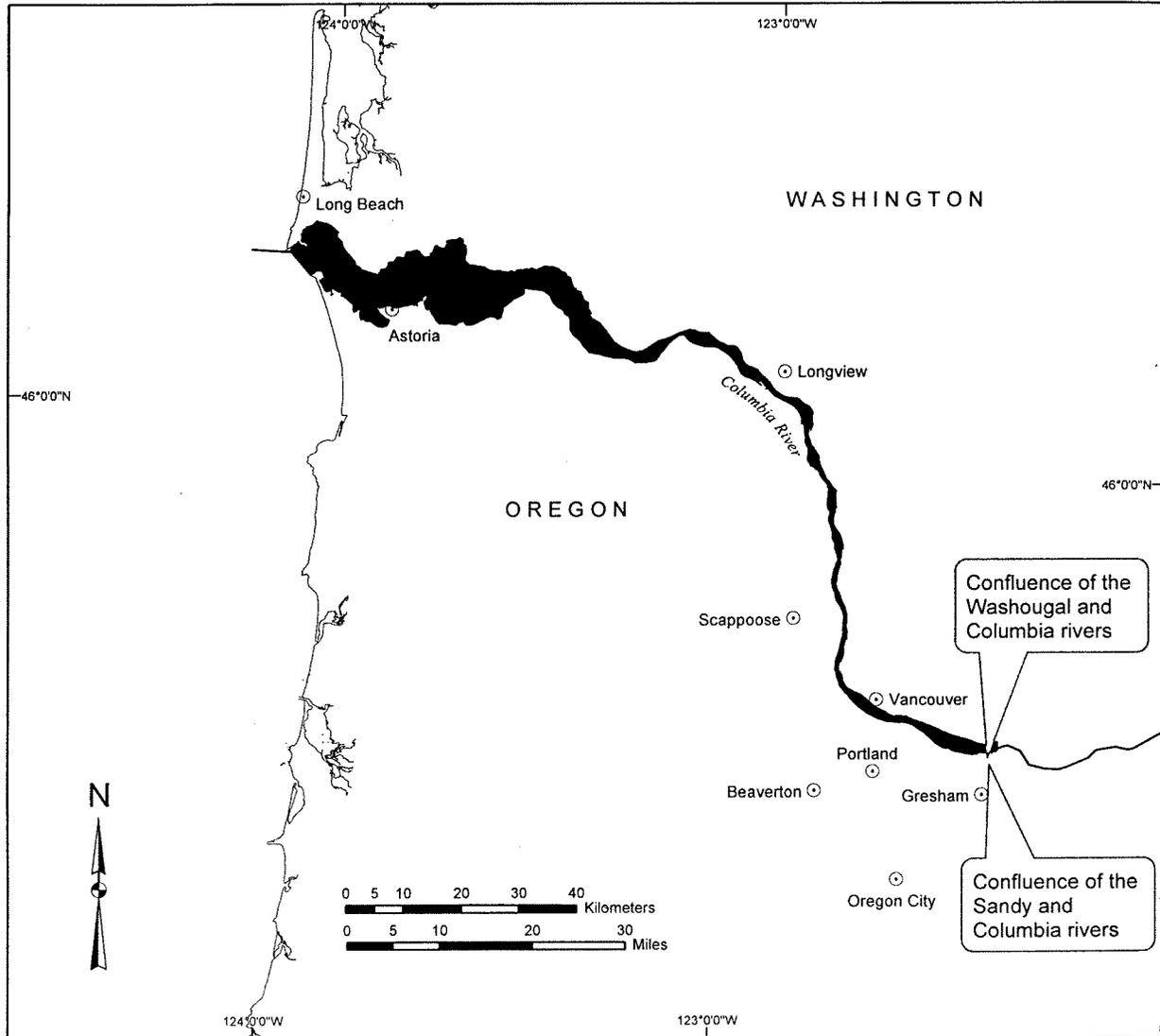
#### Legend

- Cities / Towns
  - State Boundary
  - ~ Critical Habitat
  - Water Bodies
  - - - Subbasin Boundary
  - · · Watershed Boundaries
- 01 - 03 = Watershed code - last 2 digits of 17090012xx

#### Area of Detail



### Rearing / Migration Corridor for the Lower Columbia River Steelhead ESU



**Legend**

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

#### Lower Columbia River Steelhead 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).