

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

Upper Willamette 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).

(k) *Upper Willamette River Chinook Salmon (Oncorhynchus tshawytscha)*. Critical habitat is to include the areas defined in the following subbasins:

(1) Middle Fork Willamette Subbasin 17090001—(i) *Upper Middle Fork Willamette River Watershed 1709000101*. Outlet(s) = Middle Fork Willamette River (Lat 43.4961, Long -122.3989) upstream to endpoint(s) in: Echo Creek (43.4670, -122.3172); Found Creek (43.5048, -122.2831); Middle Fork Willamette River (43.4801, -122.2534); Noisy Creek (43.5083, -122.3016); Simpson Creek (43.5031, -122.3801); Skunk Creek (43.5069, -122.2866); Staley Creek (43.4527, -122.3650); Swift Creek (43.5438, -122.2431); Tumblebug Creek (43.4740, -122.2549); Unnamed (43.4967, -122.2645); Unnamed (43.4986, -122.2686); Unnamed (43.5020, -122.2764).

(ii) *Hills Creek Watershed 1709000102*. Outlet(s) = Hills Creek (Lat 43.7071, Long -122.4195) upstream to endpoint(s) in: Hills Creek (43.6718, -122.3502).

(iii) *Salt Creek/Willamette River Watershed 1709000103*. Outlet(s) = Salt Creek (Lat 43.7261, Long -122.4381) upstream to endpoint(s) in: Coyote Creek (43.6682, -122.2378); Eagle Creek (43.6795, -122.2293); Salt Creek (43.6204, -122.1413); South Fork Salt Creek (43.6518, -122.2261).

(iv) *Hills Creek Reservoir Watershed 1709000105*. Outlet(s) = Middle Fork Willamette River (Lat 43.7589, Long -122.5242) upstream to endpoint(s) in: Big Willow Creek (43.6341, -122.4139); Buck Creek (43.5945, -122.4272); Bull Creek (43.6598, -122.4014); Coal Creek (43.4882, -122.4246); Coffeepot Creek (43.6182, -122.4160); Gold Creek (43.5860, -122.4768); Indian Creek (43.5034, -122.4638); Larison Creek (43.6851, -122.4760); Middle Fork Willamette River (43.4961, -122.3989); Packard Creek (43.6516, -122.4904); Snake Creek (43.5388, -122.4554) Snow Creek (43.6061, -122.4585); Windfall Creek (43.5984, -122.4638).

(v) *North Fork of Middle Fork Willamette River Watershed 1709000106*. Outlet(s) = North Fork Middle Fork Willamette River (Lat 43.7589, Long -122.5242) upstream to endpoint(s) in: Cayuse Creek (43.8651, -122.1856); Chalk Creek (43.8750, -122.4044); Christy Creek (43.9079, -122.3796); Fisher Creek (43.8699, -122.1551); North Fork Middle Fork Willamette River (43.8671, -122.0711).

(vi) *Middle Fork Willamette/Lookout Point Watershed 1709000107*. Outlet(s) = Middle Fork Willamette River (Lat 43.9495, Long -122.8471) upstream to endpoint(s) in: Anthony Creek (43.8799,

-122.8498); Bannister Creek (43.8743, -122.6538); Buckhead Creek (43.7753, -122.5253); Burnt Bridge Creek (43.7900, -122.5334); Carr Creek (43.8558, -122.8177); Deception Creek (43.7551, -122.5541); East Fork Minnow Creek (43.8902, -122.7342); Goodman Creek (43.8309, -122.6940); Gosage Creek (43.8446, -122.8129); Guiley Creek (43.8419, -122.7962); Hazel Creek (43.8637, -122.6891); Lost Creek (43.8427, -122.7781); Middle Creek (43.8624, -122.8323); Middle Fork Willamette River (43.7589, -122.5242); Minnow Creek (43.8872, -122.7458); North Creek (43.8247, -122.6236); Rolling Riffle Creek (43.8750, -122.7052); School Creek (43.8604, -122.6099); South Creek (43.8230, -122.6216); Unnamed (43.8329, -122.6775); Unnamed (43.8427, -122.6643); Unnamed (43.8433, -122.6950).

(vii) *Little Fall Creek Watershed 1709000108*. Outlet(s) = Little Fall Creek (Lat 43.9577, Long -122.8166) upstream to endpoint(s) in: Little Fall Creek (44.0579, -122.5440); Norton Creek (44.0006, -122.7044); Sturdy Creek (44.0196, -122.6475).

(viii) *Fall Creek Watershed 1709000109*. Outlet(s) = Fall Creek (Lat 43.9707, Long -122.8677) upstream to endpoint(s) in: Alder Creek (44.0000, -122.4993); Fall Creek (43.9922, -122.3758); Gold Creek (43.9772, -122.4051); Logan Creek (43.9447, -122.4504); Nelson Creek (43.9285, -122.6850); Portland Creek (43.9331, -122.4655); Sunshine Creek (43.9943, -122.4672); Winberry Creek (43.9142, -122.6890).

(ix) *Lower Middle Fork Willamette River Watershed 1709000110*. Outlet(s) = Middle Fork Willamette River (Lat 44.0226, Long -123.0169) upstream to endpoint(s) in: Hills Creek (43.9945, -122.8651); Middle Fork Willamette River (43.9495, -122.8471); Mill Race (44.0407, -123.0004); Pudding Creek (44.0173, -122.9501); Rattlesnake Creek (43.9352, -122.8608); Wallace Creek (44.0074, -122.8984).

(2) Upper Willamette Subbasin 17090003—(i) *Muddy Creek Watershed 1709000302*. Outlet(s) = Willamette River (Lat 44.6400, Long -123.1096) upstream to endpoint(s) in: Willamette River (44.0226, -123.0169).

(ii) *Calapooia River Watershed 1709000303*. Outlet(s) = Calapooia River (Lat 44.5088, Long -123.1101) upstream to endpoint(s) in: Calapooia River (44.2354, -122.4128).

(iii) *Oak Creek Watershed 1709000304*. Outlet(s) = Willamette River (Lat 44.7504, Long -123.1421) upstream to endpoint(s) in: Calapooia

River (44.5088, -123.1101); Willamette River (44.6400, -123.1096).

(iv) *Marys River Watershed 1709000305*. Outlet(s) = Marys River (Lat 44.5566, Long -123.2597) upstream to endpoint(s) in: Beaver Creek (44.4554, -123.3748); Marys River (44.5373, -123.3762); Oak Creek (44.5636, -123.2932).

(v) *Luckiamute River Watershed 1709000306*. Outlet(s) = Luckiamute River (Lat 44.7561, Long -123.1468) upstream to endpoint(s) in: Soap Creek (44.7317, -123.2151); Unnamed (44.7661, -123.2011).

(3) McKenzie Subbasin 17090004—(i) *Upper McKenzie River Watershed 1709000401*. Outlet(s) = McKenzie River (Lat 44.1721, Long -122.2058) upstream to endpoint(s) in: Deer Creek (44.2677, -122.0712); Frissell Creek (44.2288, -122.0699); Lost Creek (44.1729, -122.0401); McKenzie River (44.3109, -122.0199); Scott Creek (44.1981, -122.0195); Smith River (44.2824, -122.0506).

(ii) *Horse Creek Watershed 1709000402*. Outlet(s) = West Fork Horse Creek (Lat 44.1721, Long -122.2058) upstream to endpoint(s) in: Cedar Swamp Creek (44.1563, -122.1132); Horse Creek (44.0602, -122.0087); King Creek (44.1635, -122.1693); Separation Creek (44.1274, -122.0077).

(iii) *South Fork McKenzie River Watershed 1709000403*. Outlet(s) = South Fork McKenzie River (Lat 44.1595, Long -122.2946) upstream to endpoint(s) in: Augusta Creek (43.9562, -122.1632); Cougar Creek (44.1397, -122.2437); East Fork South Fork McKenzie (44.0850, -122.0997); Elk Creek (43.9455, -122.0384); French Pete Creek (44.0402, -122.1854); Hardy Creek (44.0345, -122.2047); Rebel Creek (44.0167, -122.1505); Roaring River (43.9479, -122.0811); South Fork McKenzie River (43.9533, -121.9995).

(iv) *McKenzie River/Quartz Creek Watershed 1709000405*. Outlet(s) = McKenzie River (Lat 44.1112, Long -122.4209) upstream to endpoint(s) in: Cone Creek (44.1528, -122.3649); McKenzie River (44.1721, -122.2058); Quartz Creek (44.0188, -122.3015); Wycoff Creek (44.0846, -122.3143).

(v) *Lower McKenzie River Watershed 1709000407*. Outlet(s) = McKenzie River (Lat 44.1255, Long -123.1059) upstream to endpoint(s) in: Boulder Creek (44.0601, -122.7825); Camp Creek (44.0896, -122.8544); Deer Creek (44.0895, -122.4234); Ennis Creek (44.0804, -122.3754); Finn Creek (44.1471, -122.5972); Forest Creek (44.0861, -122.7153); Haagen Creek (44.0880, -122.7126); Hatchery Creek (44.1449, -122.6056); Holden Creek

(44.1056, -122.7061); Indian Creek (44.1526, -122.5816); Lane Creek (44.0928, -122.7323); Marten Creek (44.1075, -122.5046); McKenzie River (44.1112, -122.4209); North Fork Gate Creek (44.1718, -122.5248); Osborn Creek (44.0565, -122.7880); Ritchie Creek (44.1028, -122.6567); South Fork Gate Creek (44.1667, -122.4980); Taylor Creek (44.0783, -122.7481); Toms Creek (44.1316, -122.5586); Unnamed (44.0646, -122.9399); Walterville Canal (44.0765, -122.7537).

(4) North Santiam Subbasin 17090005—(i) *Middle North Santiam River Watershed 1709000504*. Outlet(s) = North Santiam River (Lat 44.7852, Long -122.6079) upstream to endpoint(s) in: Mad Creek (44.7453, -122.3898); North Santiam River (44.7510, -122.2821); Rock Creek (44.7077, -122.4171); Snake Creek (44.7477, -122.4905).

(ii) *Little North Santiam River Watershed 1709000505*. Outlet(s) = Little North Santiam River (Lat 44.7852, Long -122.6079) upstream to endpoint(s) in: Elkhorn Creek (44.8134, -122.3561); Little North Santiam River (44.8390, -122.3364); Little Sinker Creek (44.8191, -122.4111); Sinker Creek (44.8166, -122.4174).

(iii) *Lower North Santiam River Watershed 1709000506*. Outlet(s) = Santiam River (Lat 44.7504, Long -123.1421) upstream to endpoint(s) in: Bear Branch (44.7559, -122.7974); Cold Creek (44.7522, -122.8848); Morgan Creek (44.7500, -123.0376); North Santiam River (44.7852, -122.6079); Salem Ditch (44.8000, -122.8120); Smallman Creek (44.7300, -122.9098); Stout Creek (44.7930, -122.6177); Trask Creek (44.7725, -122.6152); Unnamed (44.7672, -123.0517); Valentine Creek (44.8013, -122.7176).

(5) South Santiam Subbasin 17090006—(i) *Hamilton Creek/South Santiam River Watershed 1709000601*. Outlet(s) = South Santiam River (Lat 44.6869, Long -123.0052) upstream to endpoint(s) in: Hamilton Creek (44.5037, -122.7667); McDowell Creek (44.4580, -122.7128); Mill Creek (44.6750, -122.9721); Noble Creek (44.4519, -122.7976); South Santiam River (44.4163, -122.6693); Spring Branch (44.6821, -122.9811); Unnamed (44.6703, -122.9870); Unnamed (44.6801, -122.9786).

(ii) *Crabtree Creek Watershed 1709000602*. Outlet(s) = Crabtree Creek (Lat 44.6756, Long -122.9557) upstream to endpoint(s) in: Bald Peter Creek (44.5682, -122.5825); Beaver Creek (44.6271, -122.8504); Crabtree Creek (44.6058, -122.5405); Roaring River (44.6251, -122.7283); South Fork Crabtree Creek (44.5741, -122.5744).

(iii) *Thomas Creek Watershed 1709000603*. Outlet(s) = Thomas Creek (Lat 44.6778, Long -122.9654) upstream to endpoint(s) in: Jordan Creek (44.7531, -122.6595); Mill Creek (44.7055, -122.7842); Neal Creek (44.7101, -122.6912); South Fork Neal Creek (44.7033, -122.7078); Thomas Creek (44.6776, -122.4650).

(iv) *South Santiam River Watershed 1709000606*. Outlet(s) = South Santiam River (Lat 44.3977, Long -122.4491) upstream to endpoint(s) in: Falls Creek (44.4007, -122.3828); South Santiam River (44.3980, -122.2610).

(v) *South Santiam River/Foster Reservoir Watershed 1709000607*. Outlet(s) = South Santiam River (Lat 44.4163, Long -122.6693) upstream to endpoint(s) in: Middle Santiam River (44.4498, -122.5479); South Santiam River (44.3977, -122.4491).

(vi) *Wiley Creek Watershed 1709000608*. Outlet(s) = Wiley Creek (Lat 44.4140, Long -122.6752) upstream to endpoint(s) in: Little Wiley Creek (44.3673, -122.5916); Wiley Creek (44.3488, -122.5900).

(6) Middle Willamette Subbasin 17090007—(i) *Mill Creek/Willamette River Watershed 1709000701*. Outlet(s) = Mill Creek (Lat 44.9520, Long -123.0381) upstream to endpoint(s) in: Mill Creek (44.8255, -122.8226).

(ii) *Rickreall Creek Watershed 1709000702*. Outlet(s) = Willamette River (Lat 44.9288, Long -123.1124) upstream to endpoint(s) in: Willamette River (44.7504, -123.1421).

(iii) *Willamette River/Chehalem Creek Watershed 1709000703*. Outlet(s) = Willamette River (Lat 45.2552, Long -122.8806) upstream to endpoint(s) in: Willamette River (44.9288, -123.1124).

(iv) *Abernethy Creek Watershed 1709000704*. Outlet(s) = Willamette River (Lat 45.3719, Long -122.6071) upstream to endpoint(s) in: Willamette River (45.2552, -122.8806).

(7) Molalla/Pudding Subbasin 17090009—(i) *Butte Creek/Pudding River Watershed 1709000902*. Outlet(s) = Pudding River (Lat 45.1907, Long -122.7527) upstream to endpoint(s) in: Pudding River (45.0740, -122.8525).

(ii) *Senecal Creek/Mill Creek Watershed 1709000904*. Outlet(s) = Pudding River (Lat 45.2843, Long -122.7149) upstream to endpoint(s) in: Pudding River (45.1907, -122.7527).

(iii) *Upper Molalla River Watershed 1709000905*. Outlet(s) = Molalla River (Lat 45.1196, Long -122.5342) upstream to endpoint(s) in: Molalla River (44.9124, -122.3228); North Fork Molalla River (45.0872, -122.3849); Table Rock Fork Molalla River (44.9876, -122.2741).

(iv) *Lower Molalla River Watershed 1709000906*. Outlet(s) = Molalla River (Lat 45.2979, Long -122.7141) upstream to endpoint(s) in: Gribble Creek (45.2146, -122.6988); Milk Creek (45.2278, -122.5670); Molalla River (45.1196, -122.5342).

(8) 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); Collawash River (44.9507, -122.0350); Hot Springs Fk Collawash River (44.9385, -122.1721); Nohorn Creek (44.9442, -122.1957).

(ii) *Upper Clackamas River 1709001102*. Outlet(s) = Clackamas River (Lat 45.0321, Long -122.0600) upstream to endpoint(s) in: Cabin Creek (45.0087, -121.8958); Clackamas River (44.8966, -121.8800); Cub Creek (44.8969, -121.8876); Granite Creek (45.0184, -121.9885); Hunter Creek (44.9086, -121.8929); Last Creek (44.9715, -121.8547); Lowe Creek (44.9487, -121.8983); Pot Creek (45.0149, -121.9084); Unnamed (44.9469, -121.8691); Wall Creek (44.9555, -121.8843).

(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 (45.0822, -121.9859).

(iv) *Middle Clackamas River Watershed 1709001104*. Outlet(s) = Clackamas River (Lat 45.2440, Long -122.2798) upstream to endpoint(s) in: Clackamas River (45.0321, -122.0600); Fish Creek (45.0962, -122.1683); North Fork Clackamas River (45.2361, -122.2186); Roaring River (45.1773, -122.0650); South Fork Clackamas River (45.1939, -122.2257); Tag Creek (45.0607, -122.0512); Tar Creek (45.0494, -122.0570).

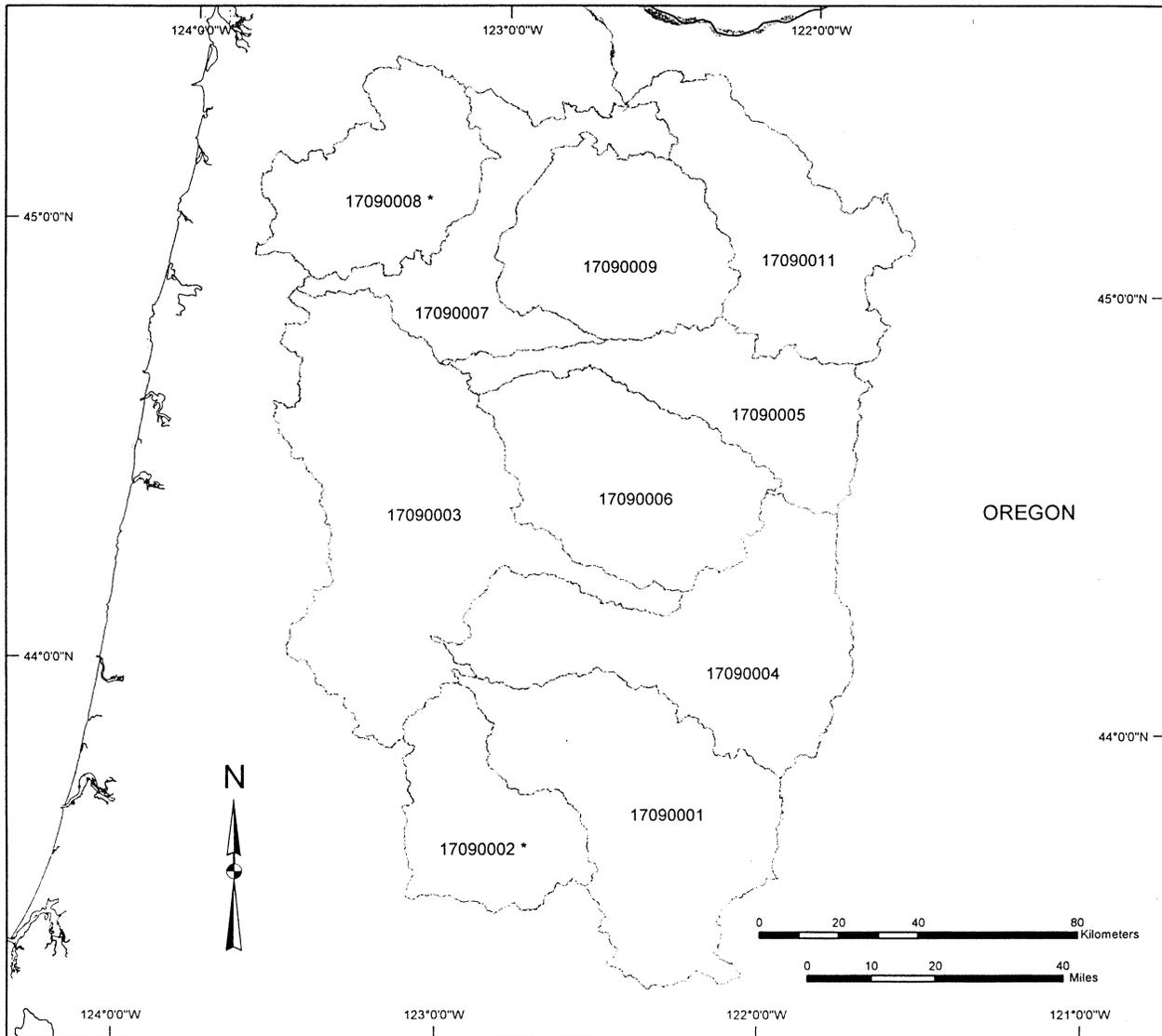
(v) *Lower Clackamas River Watershed 1709001106*. Outlet(s) = Clackamas River (Lat 45.3719, Long -122.6071) upstream to endpoint(s) in: Clackamas River (45.2440, -122.2798); Clear Creek (45.3568, -122.4781); Deep Creek (45.3937, -122.4095); Richardson Creek (45.3971, -122.4712).

(9) Lower Willamette/Columbia River Corridor—*Lower Willamette/Columbia River Corridor*. Outlet(s) = Columbia River (Lat 46.2485, Long -124.0782) upstream to endpoint(s) in: Willamette River (45.3719, -122.6071).

(10) Maps of critical habitat for the Upper Willamette River chinook salmon ESU follow:

BILLING CODE 3510-22-P

Map of the Upper Willamette River Chinook Salmon ESU



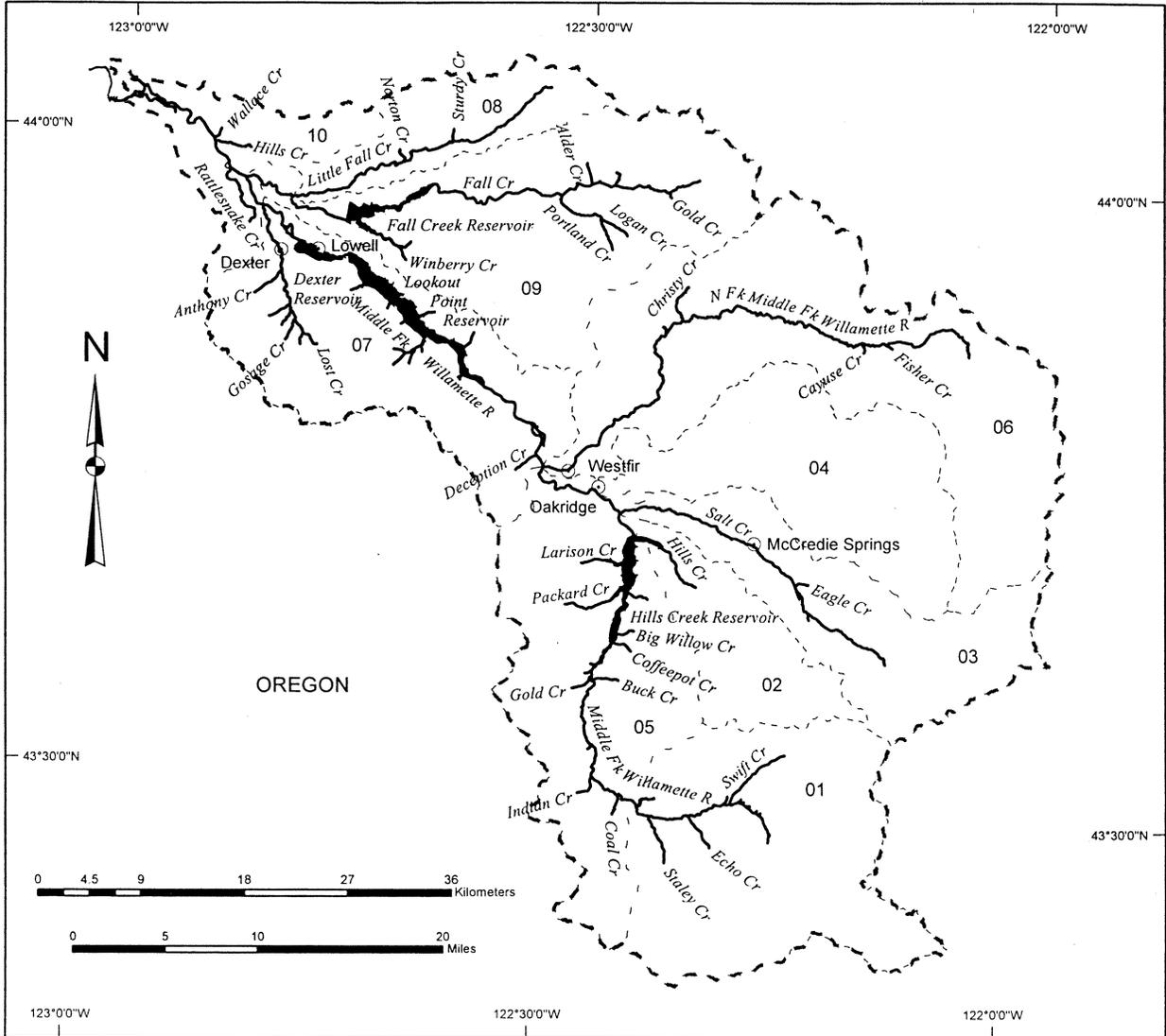
Legend

- State Boundaries
- Subbasin Boundaries
- ☼ Water Bodies

* All habitat areas in subbasin are proposed for exclusion



Final Critical Habitat for the Upper Willamette River Chinook Salmon ESU **MIDDLE FORK WILLAMETTE SUBBASIN 17090001**



Legend

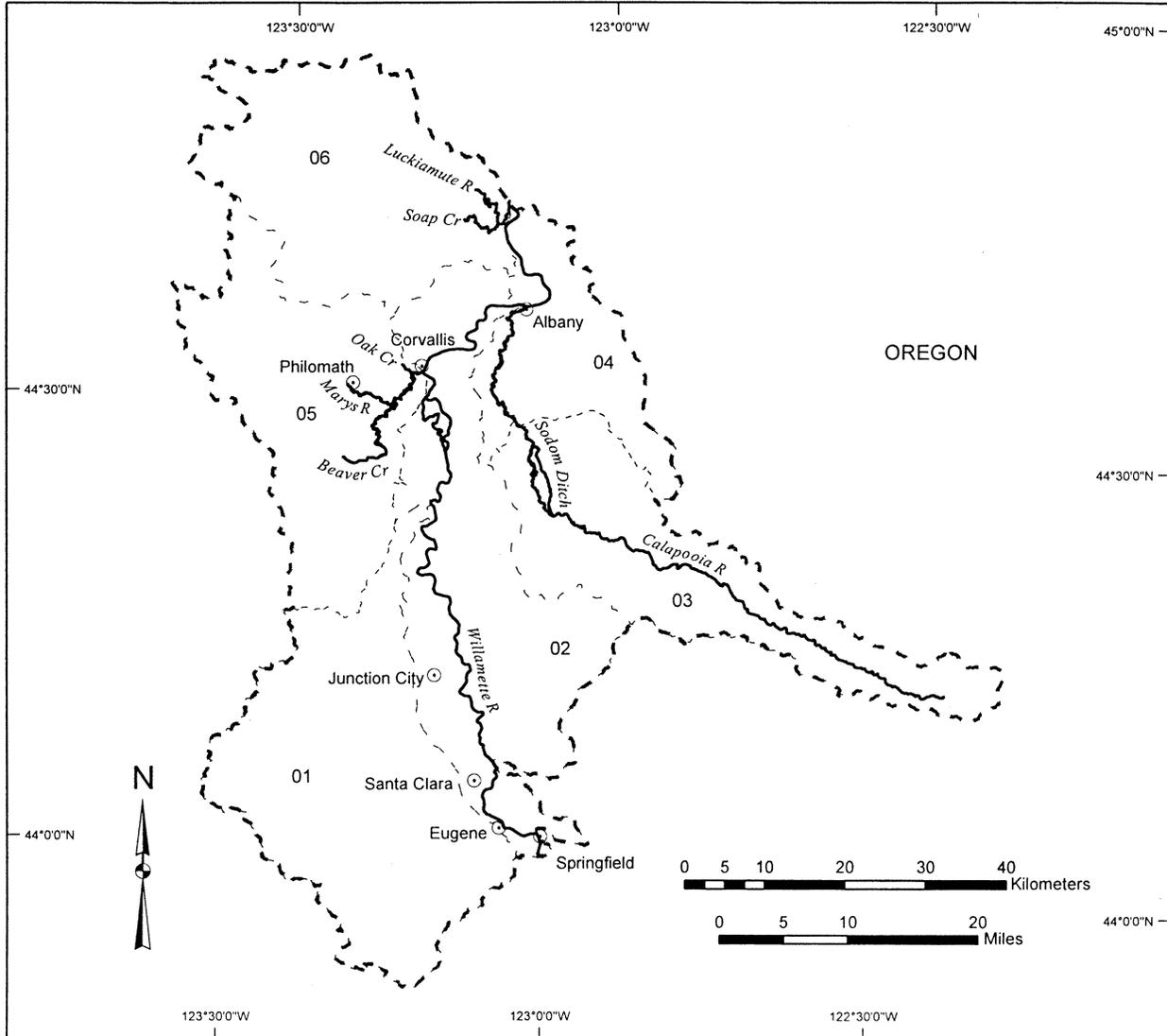
- Cities / Towns
- ~ Critical Habitat
- Water Bodies
- - - Subbasin Boundary
- Watershed Boundaries

01 - 10 = Watershed code - last 2 digits of 17090001xx



Final Critical Habitat for the Upper Willamette River Chinook Salmon ESU

UPPER WILLAMETTE SUBBASIN 17090003



Legend

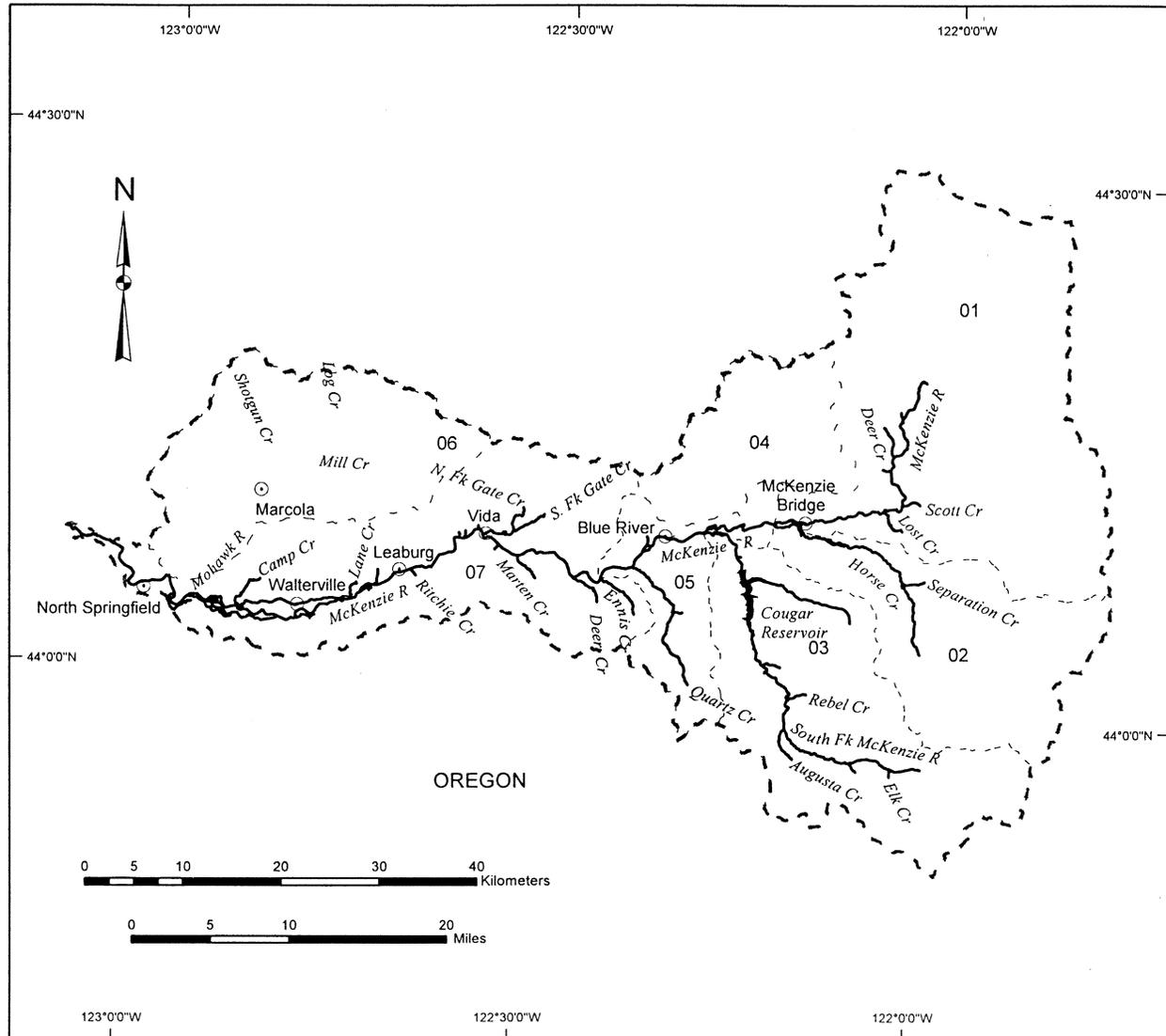
- ⊙ Cities / Towns
- ~~~~ Critical Habitat
- - - Subbasin Boundary
- ⋯ Watershed Boundaries

01 - 06 = Watershed code - last 2 digits of 17090003xx



**Final Critical Habitat for the
Upper Willamette River Chinook Salmon ESU**

**MCKENZIE SUBBASIN
17090004**



Legend

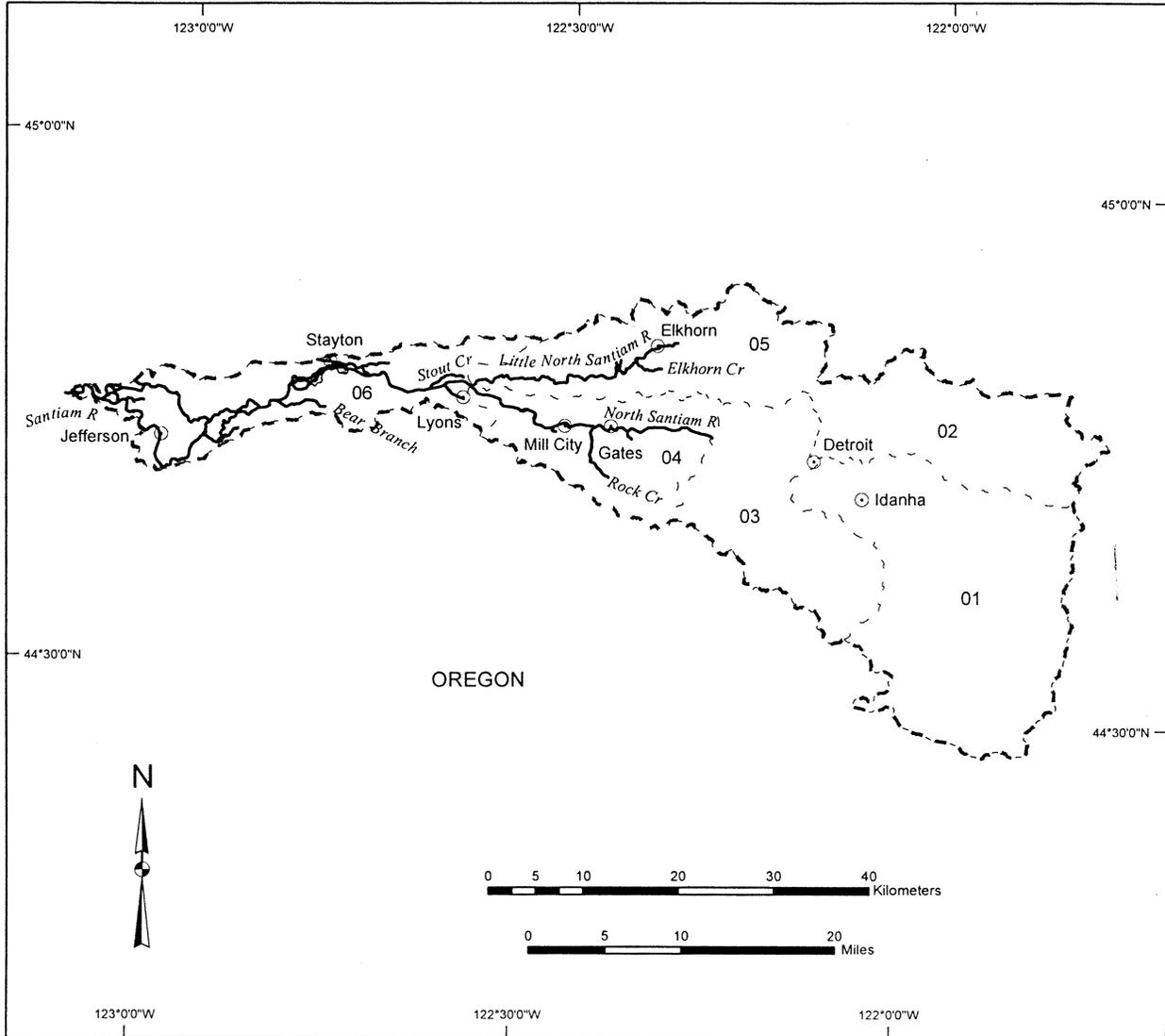
- ⊙ Cities / Towns
- ~ Critical Habitat
- - - Subbasin Boundary
- - - Watershed Boundaries

01 - 07 = Watershed code - last 2 digits of 17090004xx



Final Critical Habitat for the Upper Willamette River Chinook Salmon ESU

**NORTH SANTIAM SUBBASIN
17090005**



Legend

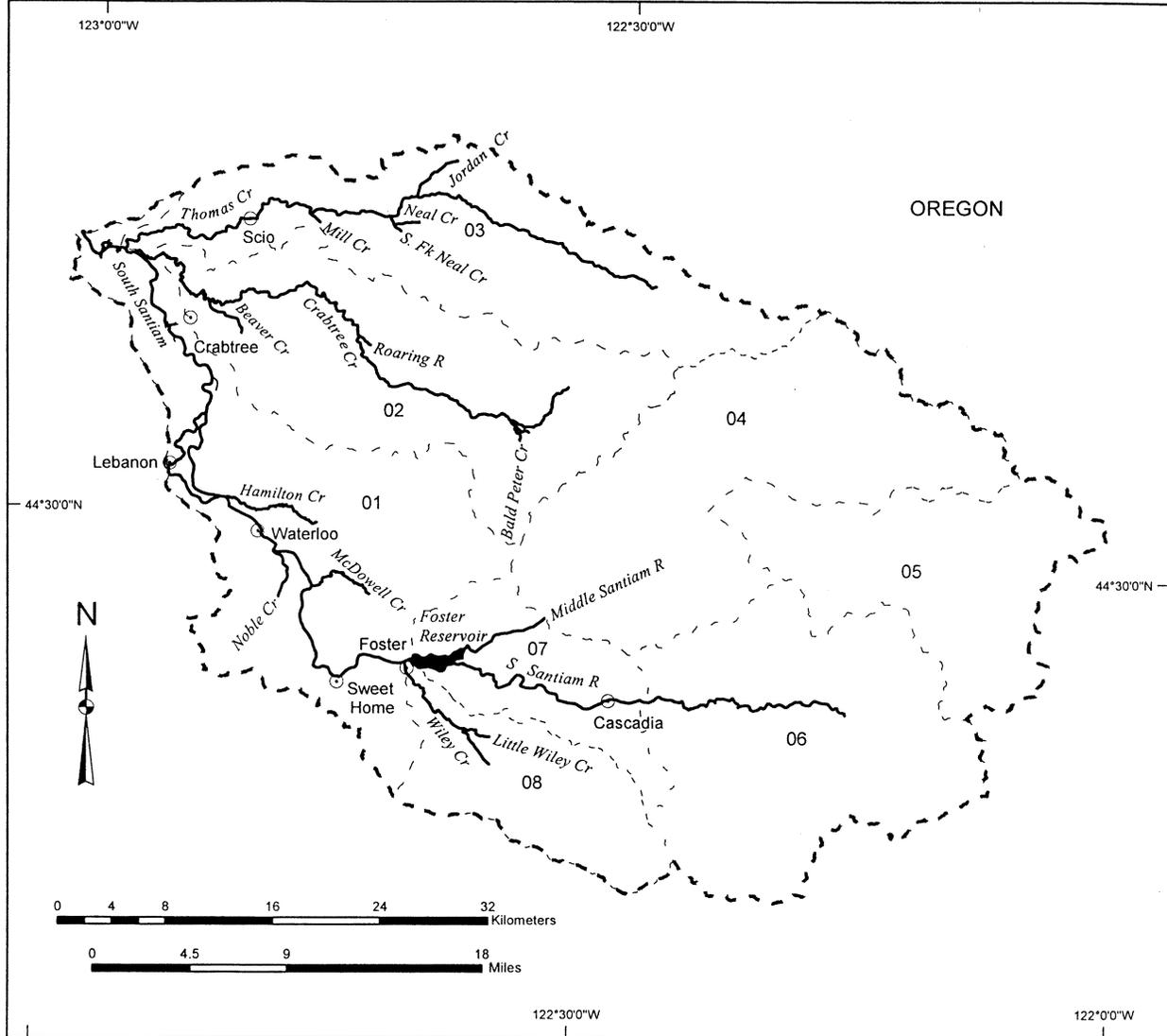
- ⊙ Cities / Towns
- ~ Critical Habitat
- - - Subbasin Boundary
- - - Watershed Boundaries

01 - 06 = Watershed code - last 2 digits of 17090005xx



**Final Critical Habitat for the
Upper Willamette River Chinook Salmon ESU**

**SOUTH SANTIAM SUBBASIN
17090006, Unit 6**



Legend

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

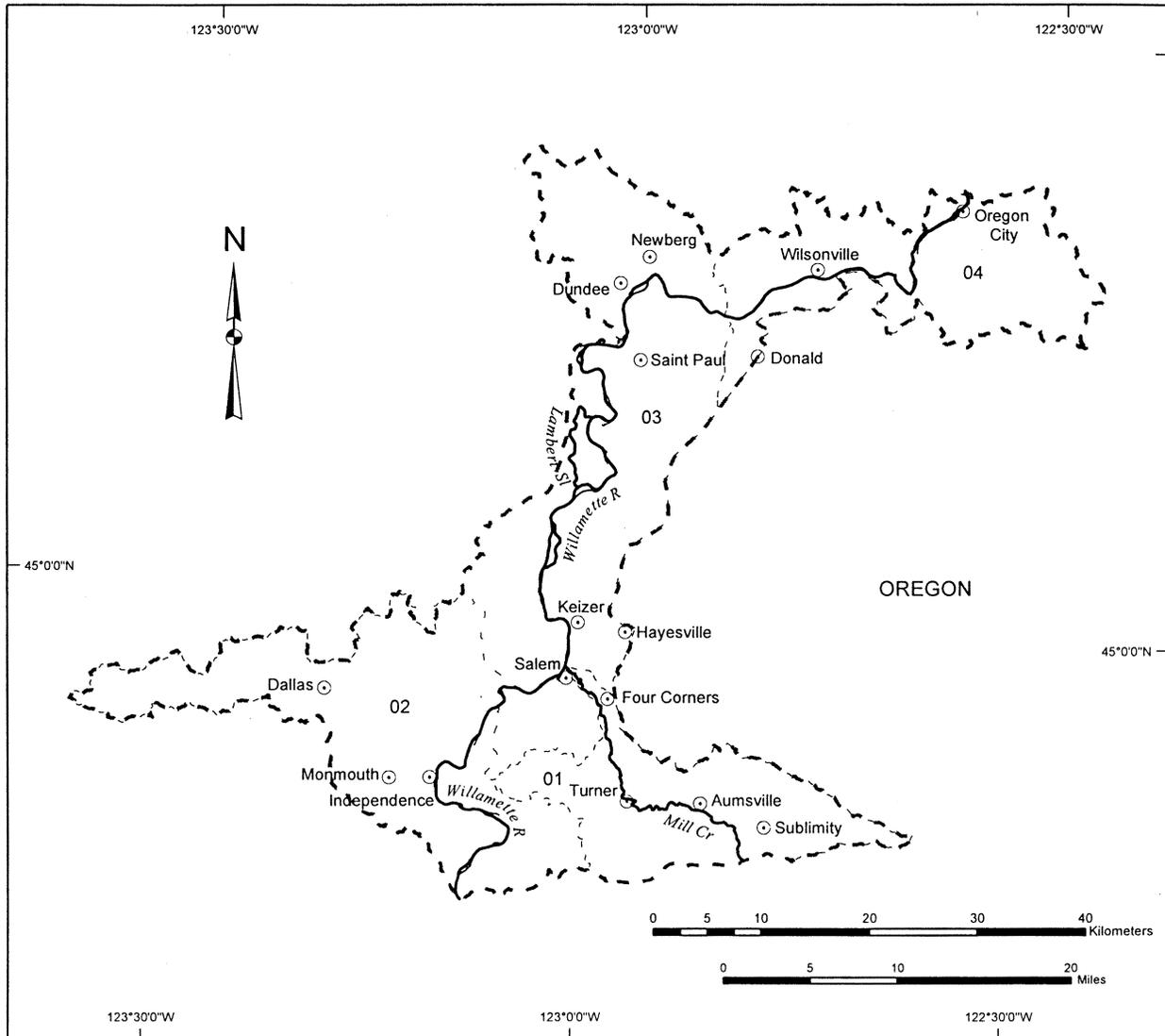
01 - 08 = Watershed code - last 2 digits of 17090006xx

Area of Detail

The inset map shows the states of Washington, Oregon, and Idaho. A small black dot is placed in the western part of Oregon to indicate the specific location of the South Santiam Subbasin.

Final Critical Habitat for the Upper Willamette River Chinook Salmon ESU

MIDDLE WILLAMETTE SUBBASIN 17090007



Legend

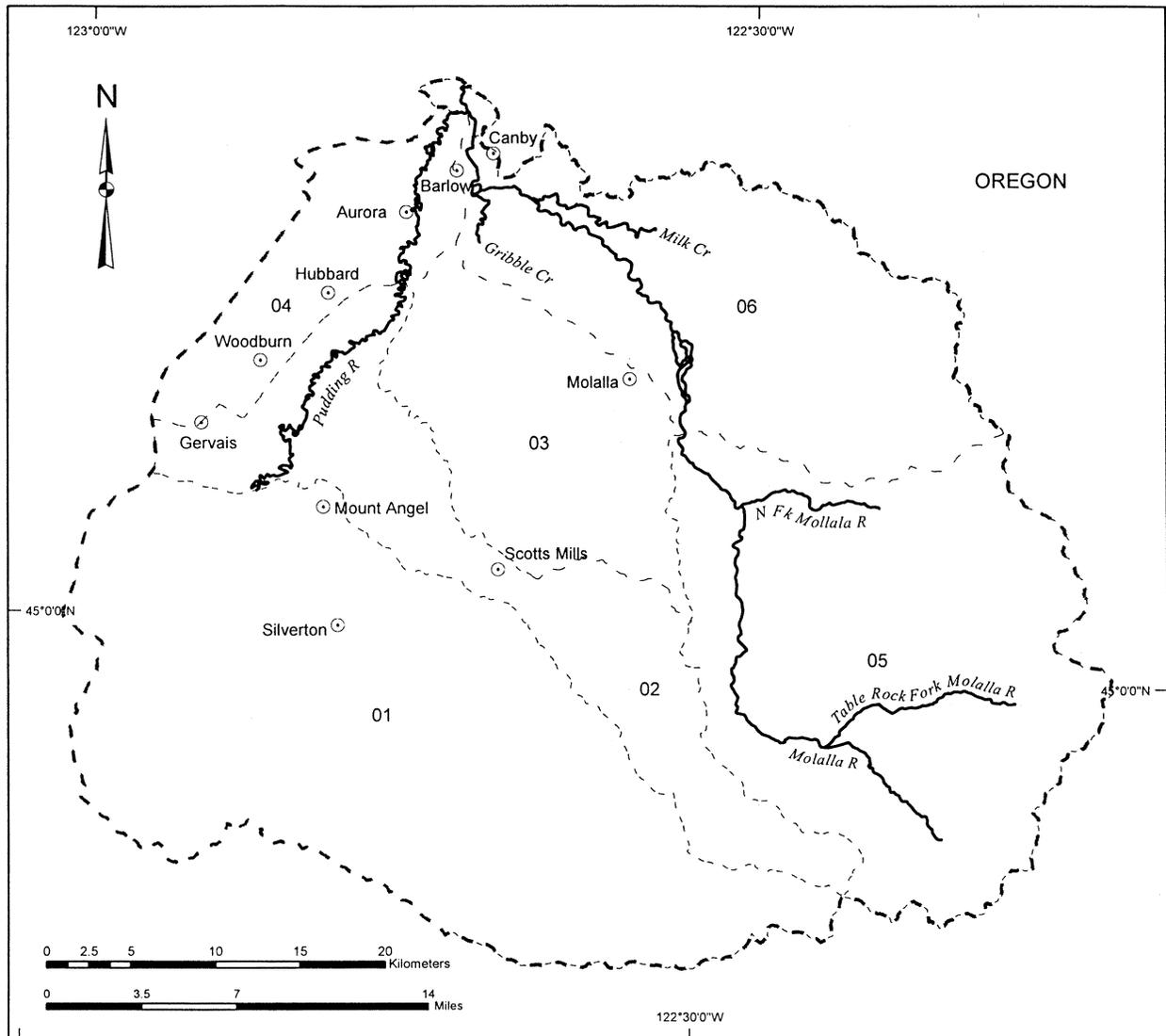
- Cities / Towns
- ~ Critical Habitat
- - - Subbasin Boundary
- ⋯ Watershed Boundaries

01 - 04 = Watershed code - last 2 digits of 17090007xx



**Final Critical Habitat for the
Upper Willamette River Chinook Salmon ESU**

**MOLALLA / PUDDING SUBBASIN
17090009**



Legend

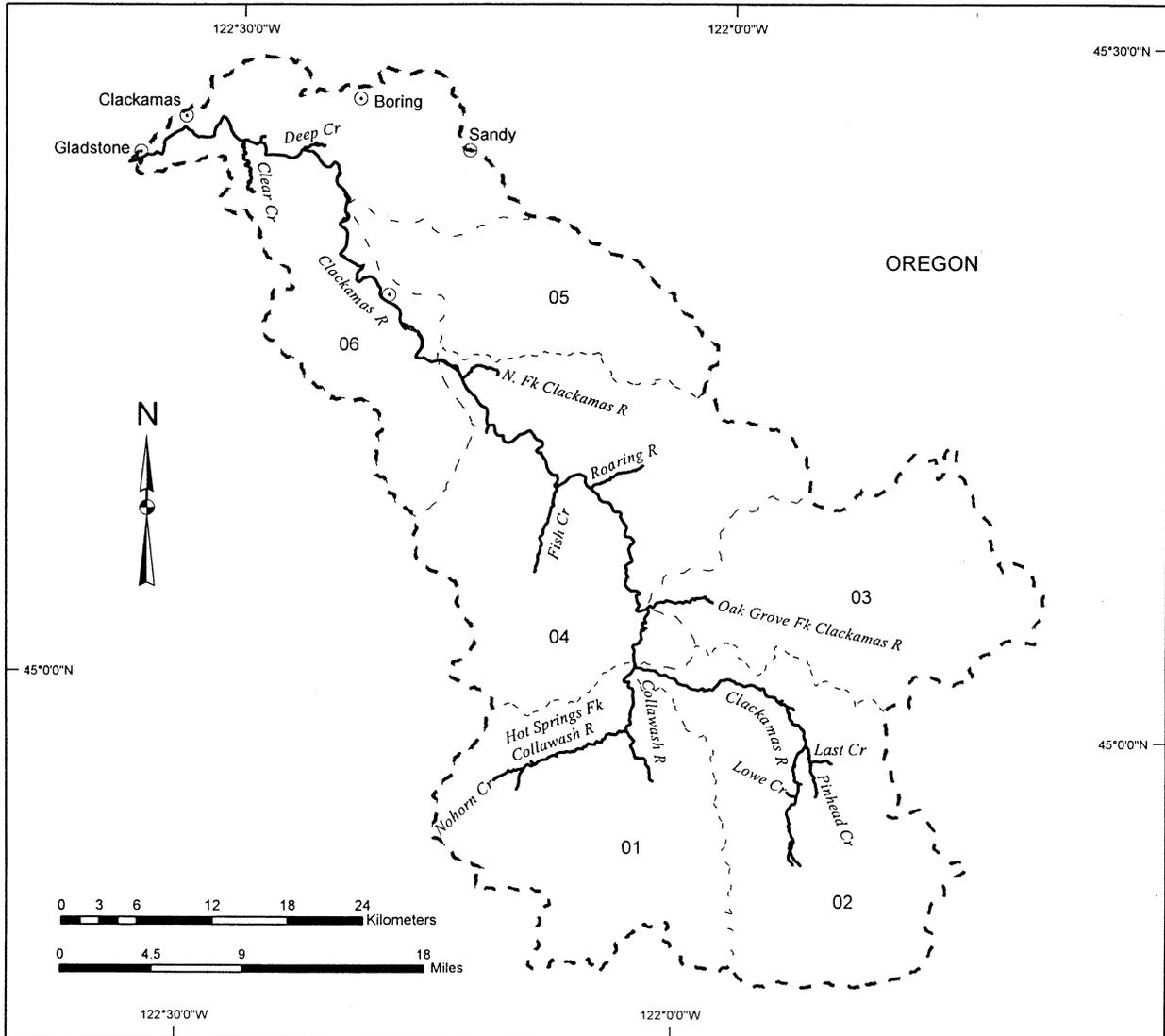
- ⊙ Cities / Towns
- ~ Critical Habitat
- - - Subbasin Boundary
- · - · - Watershed Boundaries

01 - 06 = Watershed code - last 2 digits of 17090009xx



**Final Critical Habitat for the
Upper Willamette River Chinook Salmon ESU**

**CLACKAMAS SUBBASIN
17090011**



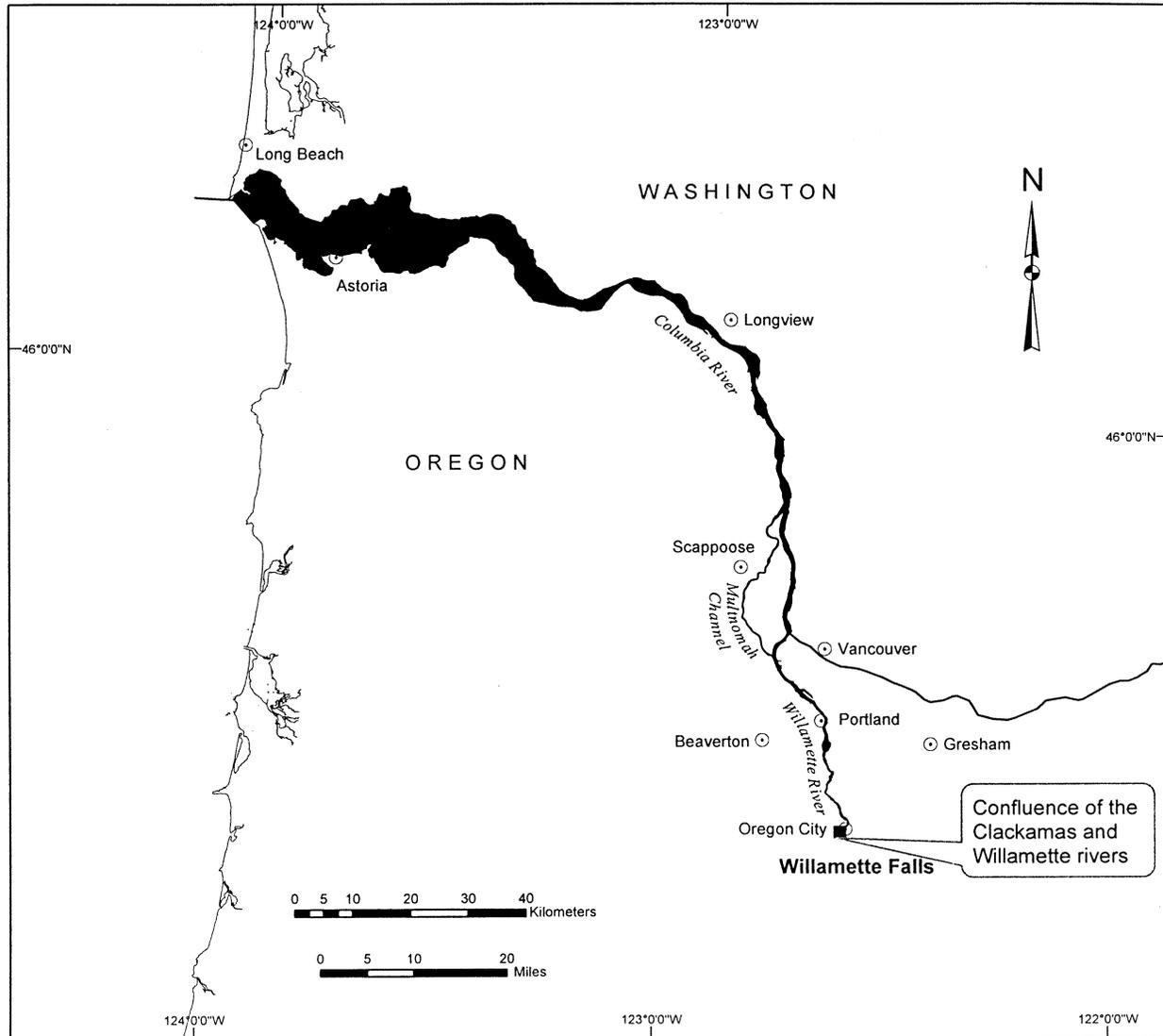
Legend

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

01 - 06 = Watershed code - last 2 digits of 17110011xx



Rearing / Migration Corridor for the Upper Willamette River Chinook Salmon ESU



Legend

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

Upper Willamette River Chinook ESU

Lower Willamette / Columbia River Corridor
 The lower Willamette / Columbia River corridor is that segment from the mouth of the Columbia River at the Pacific Ocean upstream to the confluence of the Clackamas and Willamette rivers, including the Multnomah Channel portion of the lower Willamette River.