(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 Wateshed 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).

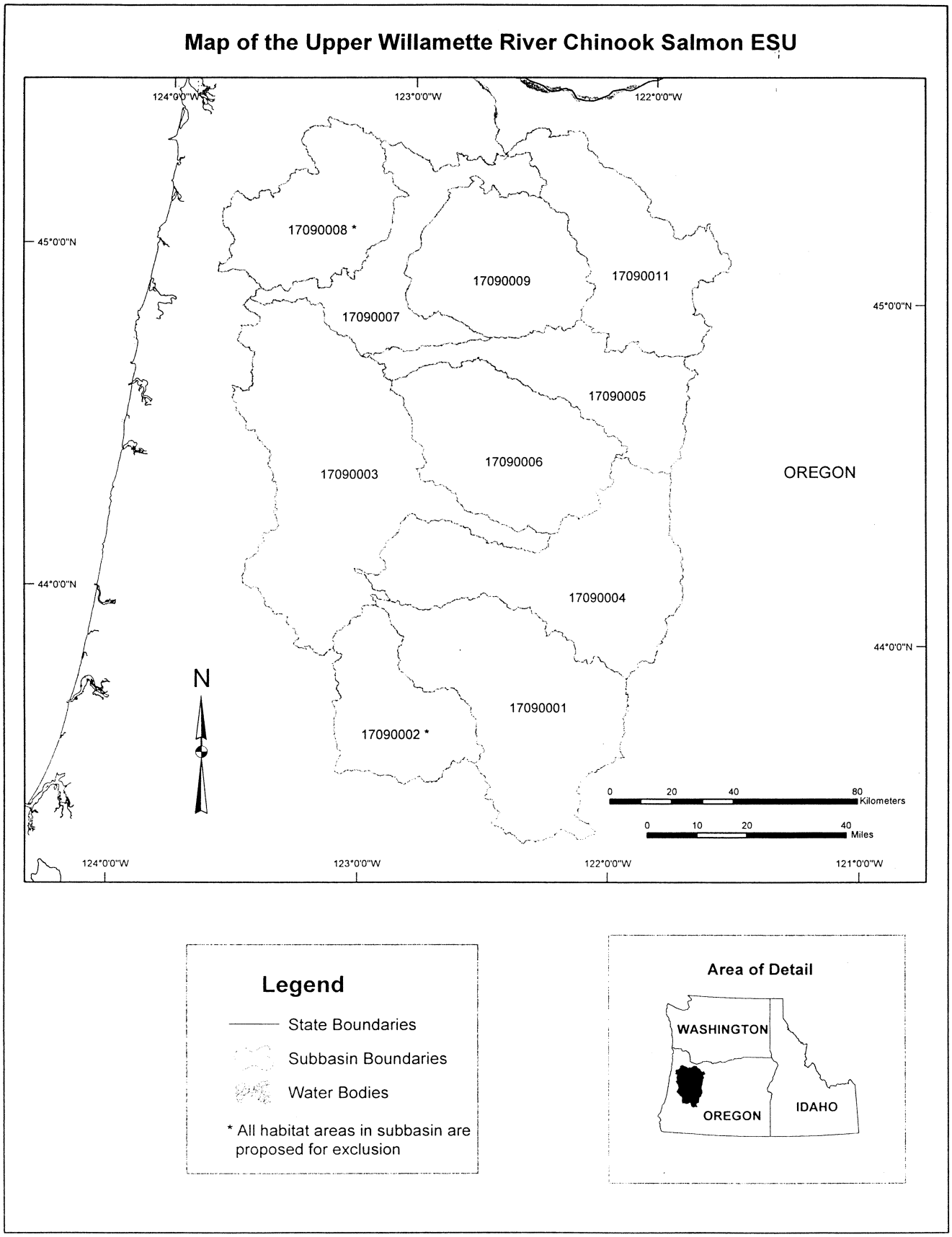
(iv) *Middle Clackamas River Watershed 1709001104.* Outlet(s) = Clackamas River (Lat 45.2440, Long –122.2798) upstream to endpoint(s) in: Clackamas River (45.0321, –122.0600); Fish Creek (45.0962, –122.1683); North Fork Clackamas River (45.2361, –122.2186); Roaring River (45.1773, –122.0650); South Fork 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).

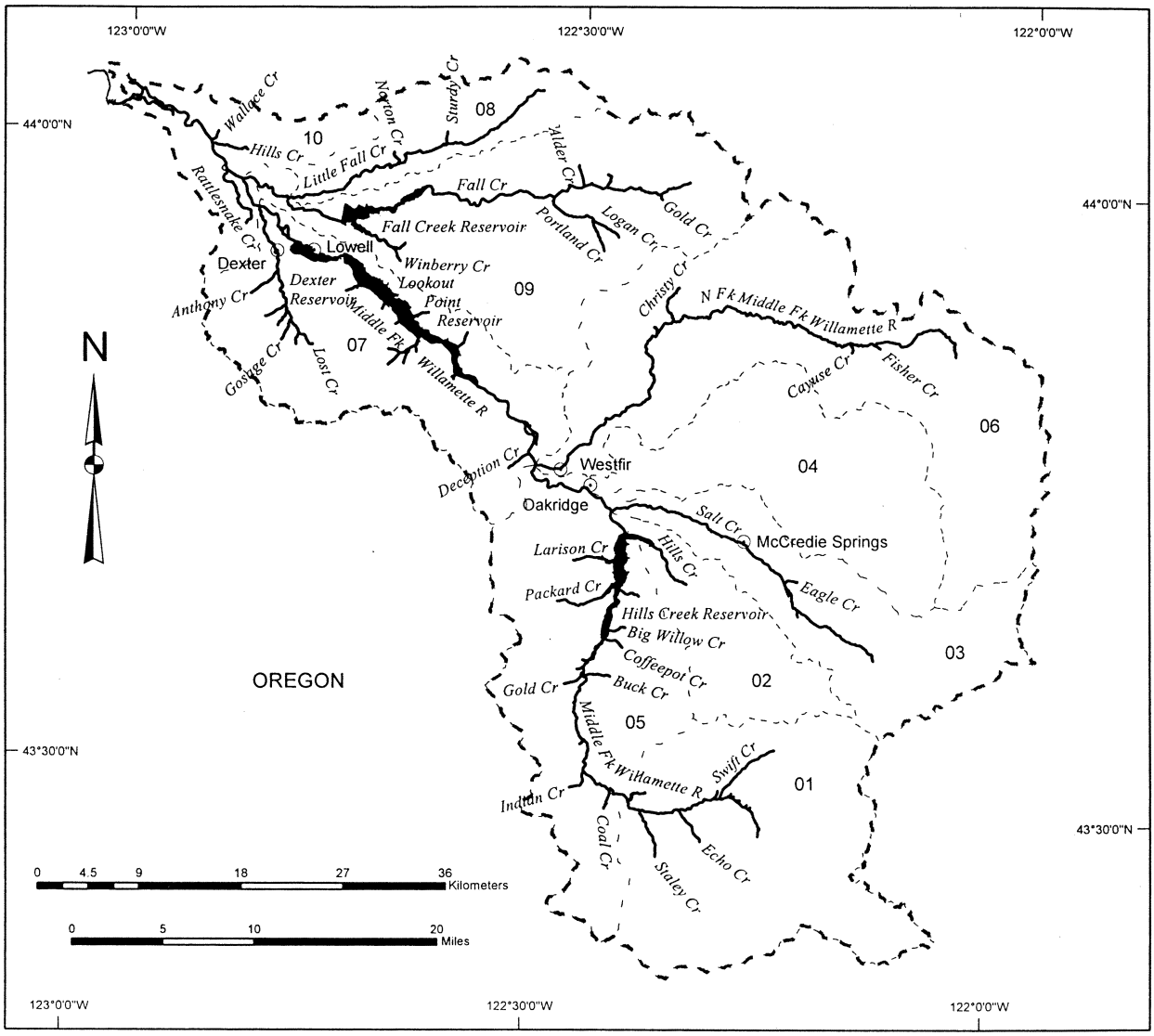
(10) Maps of critical habitat for the Upper Willamette River chinook salmon ESU follow:

BILLING CODE 3510–22–P


Map of the Upper Willamette River Chinook Salmon ESU
124°0'0"W
123°0'0"W
122°0'0"W
121°0'0"W
45°0'0"N
44°0'0"N
17090008 *
17090009
17090011
17090007
17090005
17090006
17090003
17090004
17090001
17090002 *
OREGON
N
0 20 40 80 Kilometers
0 10 20 40 Miles
Legend
State Boundaries
Subbasin Boundaries
Water Bodies
* All habitat areas in subbasin are proposed for exclusion
Area of Detail
WASHINGTON
OREGON
IDAHO

Final Critical Habitat for the Upper Willamette River Chinook Salmon ESU

MIDDLE FORK WILLAMETTE SUBBASIN 17090001

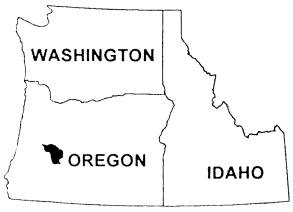


Legend

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

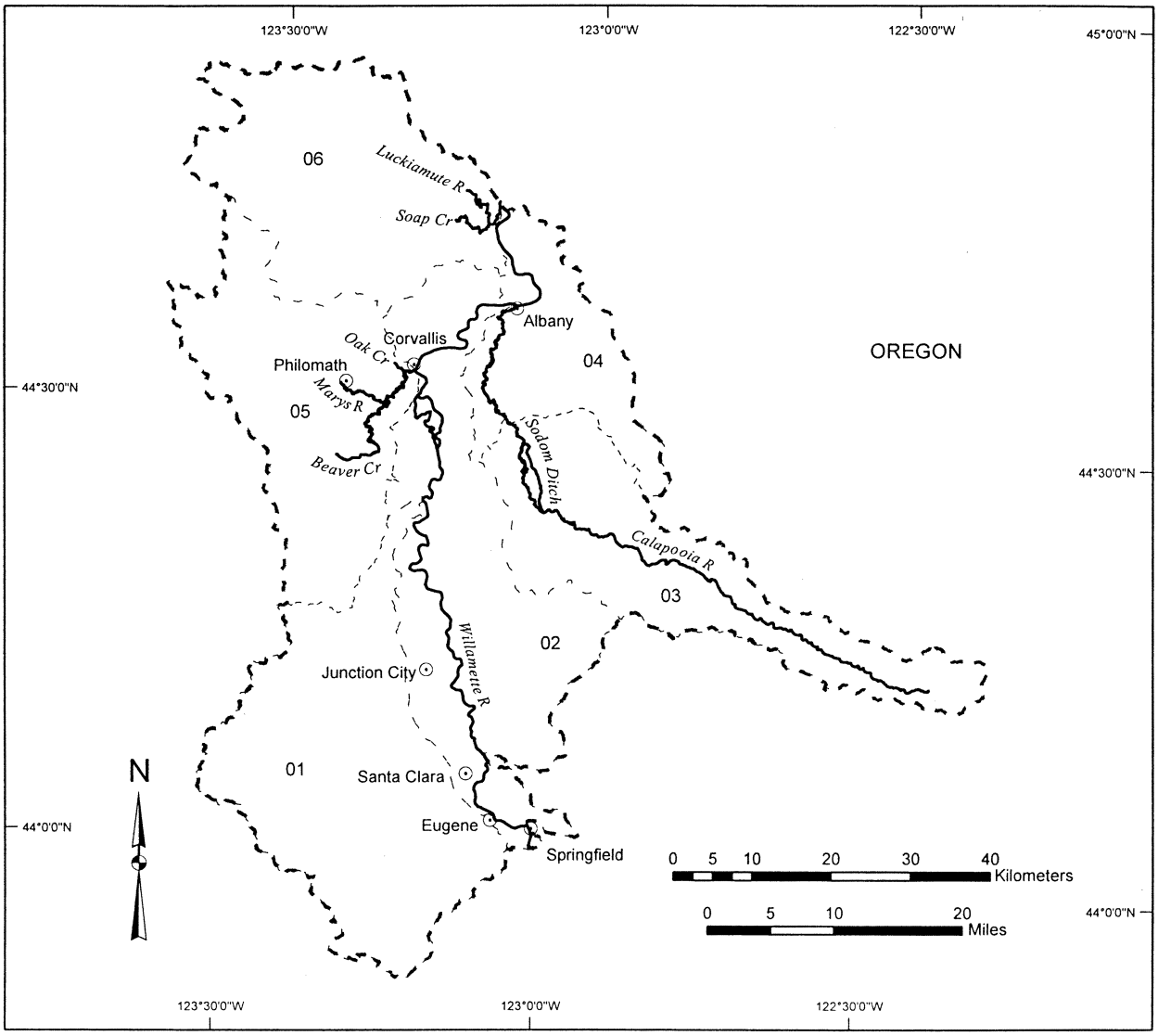
01 - 10 = Watershed code - last 2 digits of 17090001xx

Area of Detail



Final Critical Habitat for the Upper Willamette River Chinook Salmon ESU

UPPER WILLAMETTE SUBBASIN 170900003

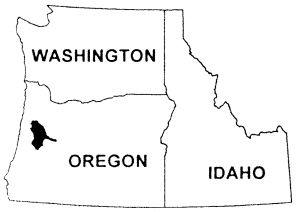


Legend

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

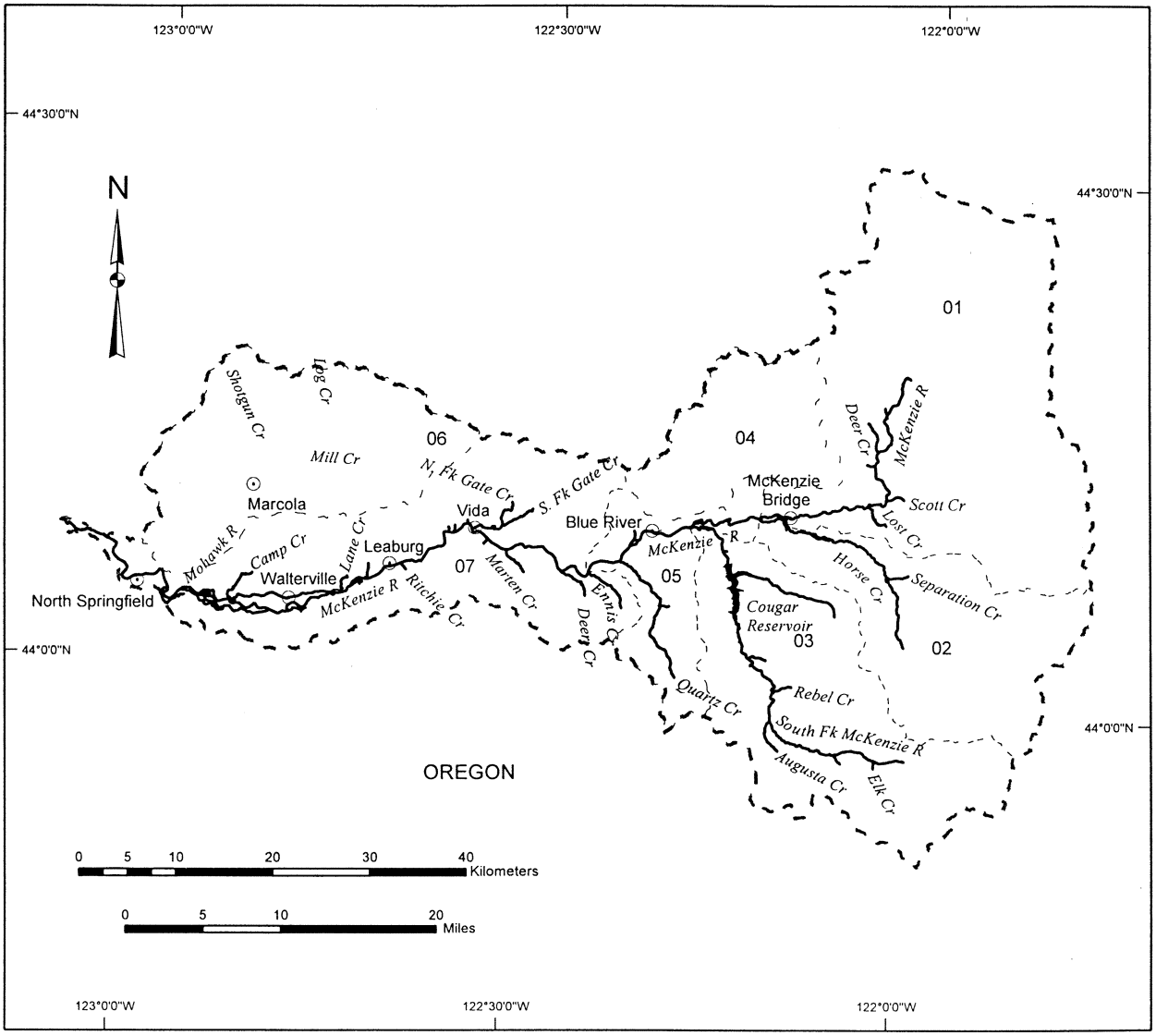
01 - 06 = Watershed code - last 2 digits of 17090003xx

Area of Detail



Final Critical Habitat for the Upper Willamette River Chinook Salmon ESU

MCKENZIE SUBBASIN 17090004

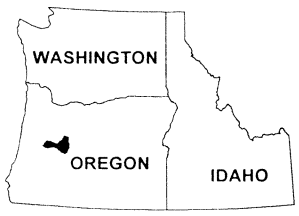


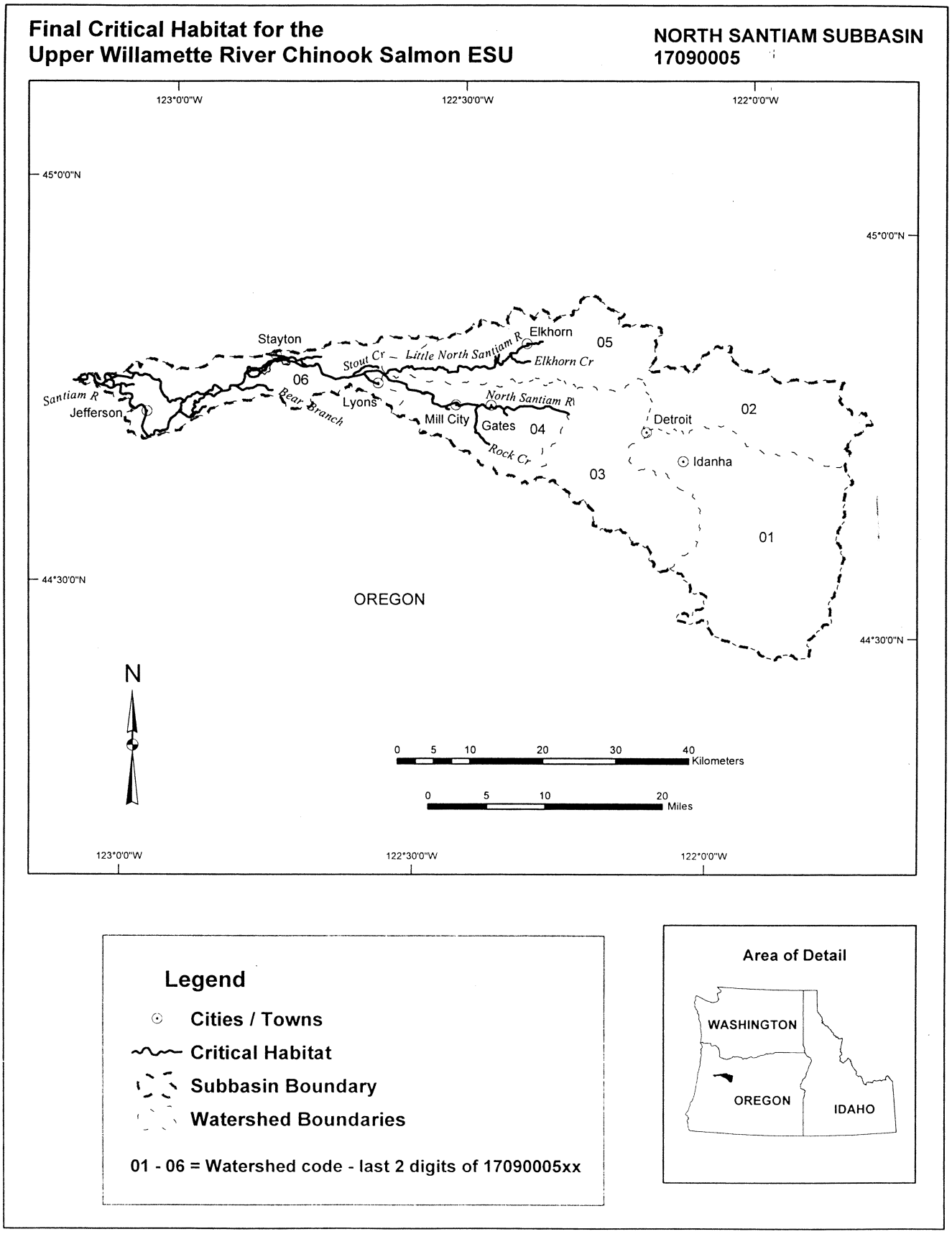
Legend

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

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

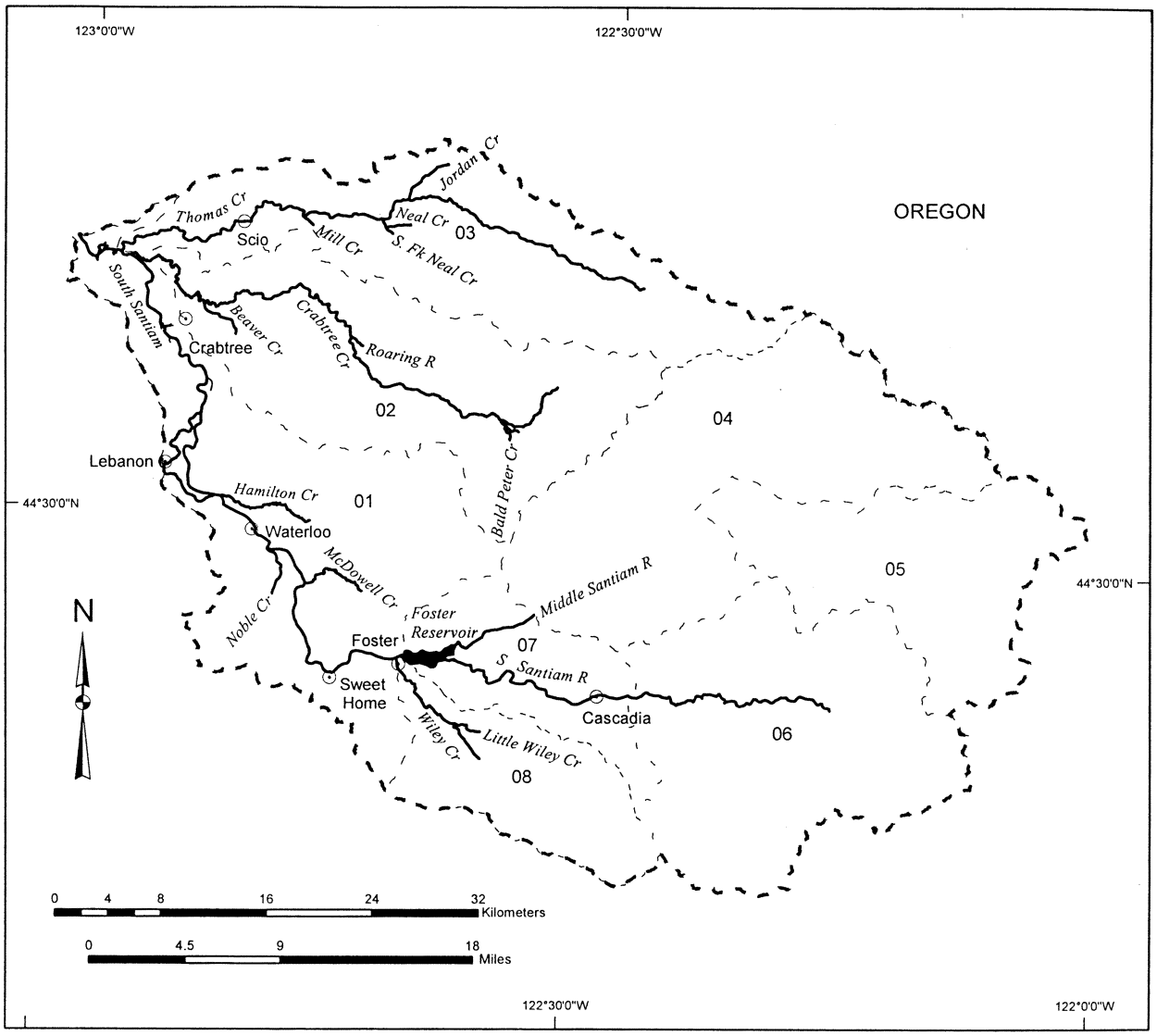
Area of Detail




Final Critical Habitat for the
Upper Willamette River Chinook Salmon ESU
NORTH SANTIAM SUBBASIN
17090005
123°0'0"W
122°30'0"W
122°0'0"W
45°0'0"N
44°30'0"N
Stayton
Elkhorn
05
Stout Cr
Little North Santiam R
Elkhorn Cr
06
Santiam R
Jefferson
Rear Branch
Lyons
North Santiam R
Mill City
Gates
04
Detroit
02
Rock Cr
Idanha
03
01
OREGON
N
0 5 10 20 30 40 Kilometers
0 5 10 20 Miles
Legend
Cities / Towns
Critical Habitat
Subbasin Boundary
Watershed Boundaries
01 - 06 = Watershed code - last 2 digits of 17090005xx
Area of Detail
WASHINGTON
OREGON
IDAHO

Final Critical Habitat for the Upper Willamette River Chinook Salmon ESU

SOUTH SANTIAM SUBBASIN 17090006, Unit 6

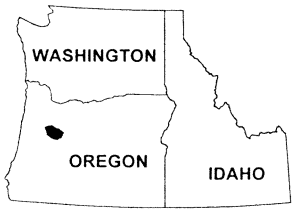


Legend

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

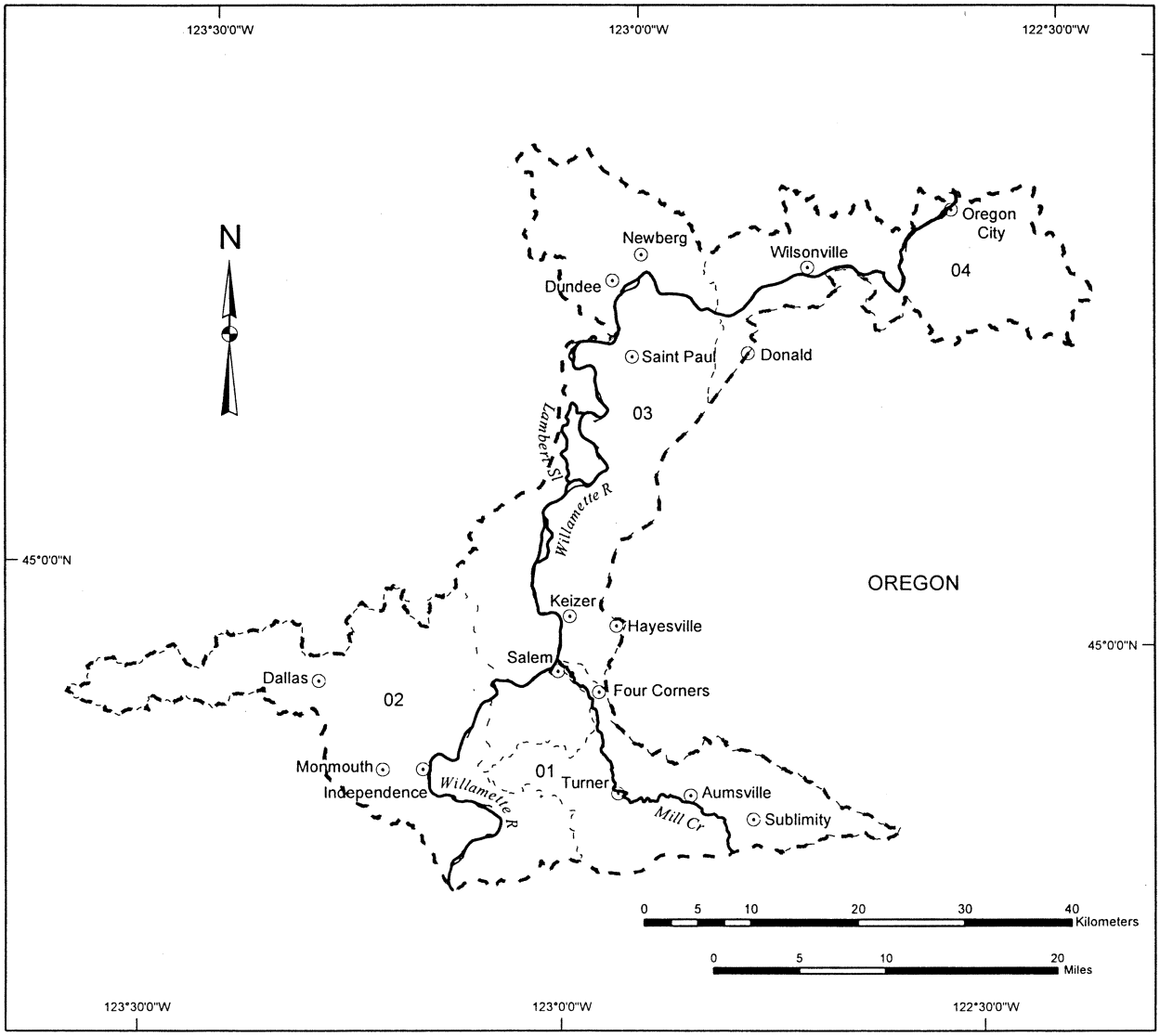
01 - 08 = Watershed code - last 2 digits of 17090006xx

Area of Detail



Final Critical Habitat for the Upper Willamette River Chinook Salmon ESU

MIDDLE WILLAMETTE SUBBASIN 17090007

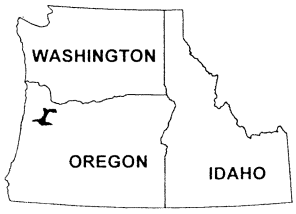


Legend

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

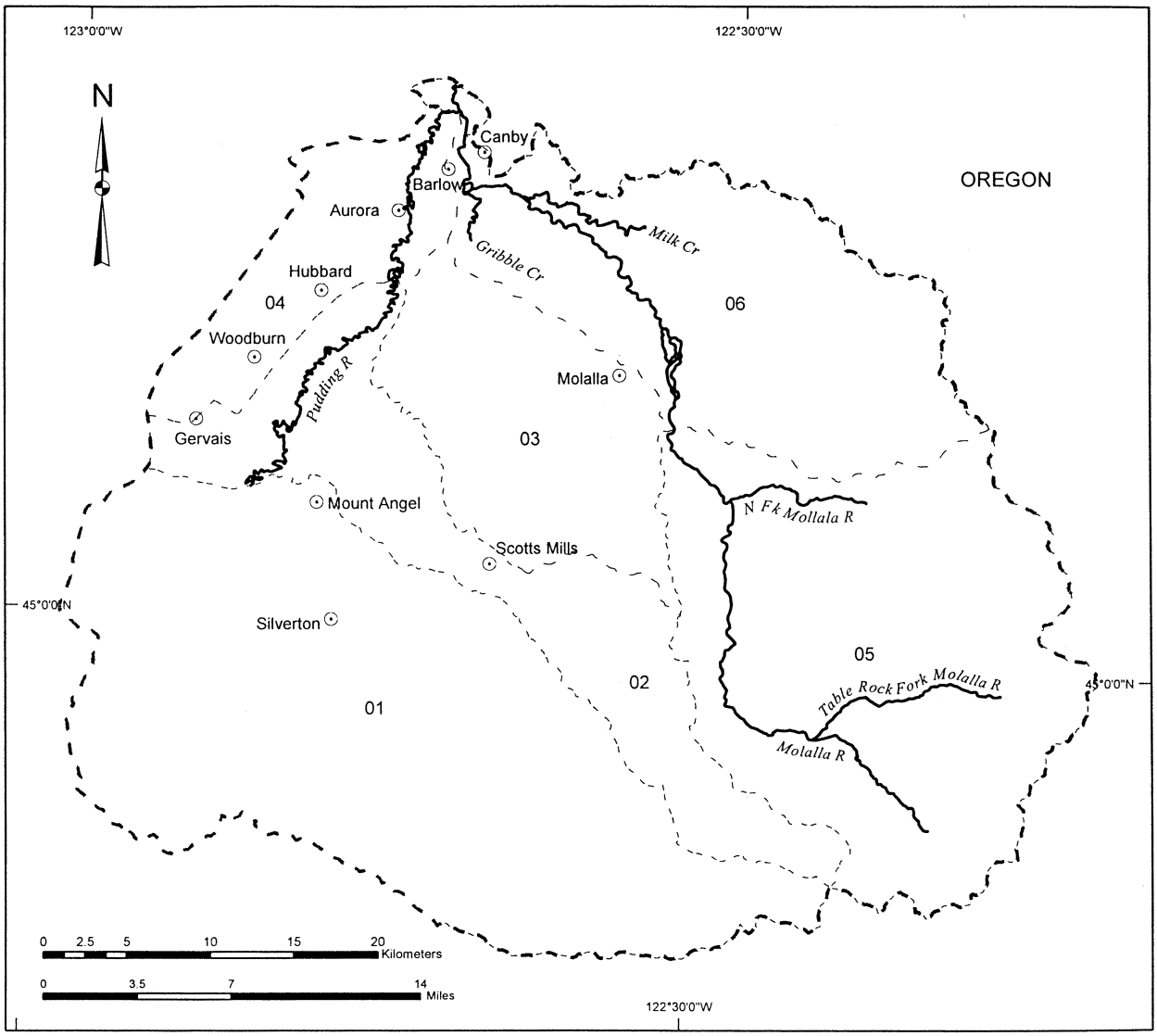
01 - 04 = Watershed code - last 2 digits of 17090007xx

Area of Detail



Final Critical Habitat for the Upper Willamette River Chinook Salmon ESU

MOLALLA / PUDDING SUBBASIN 17090009

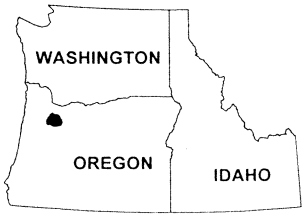


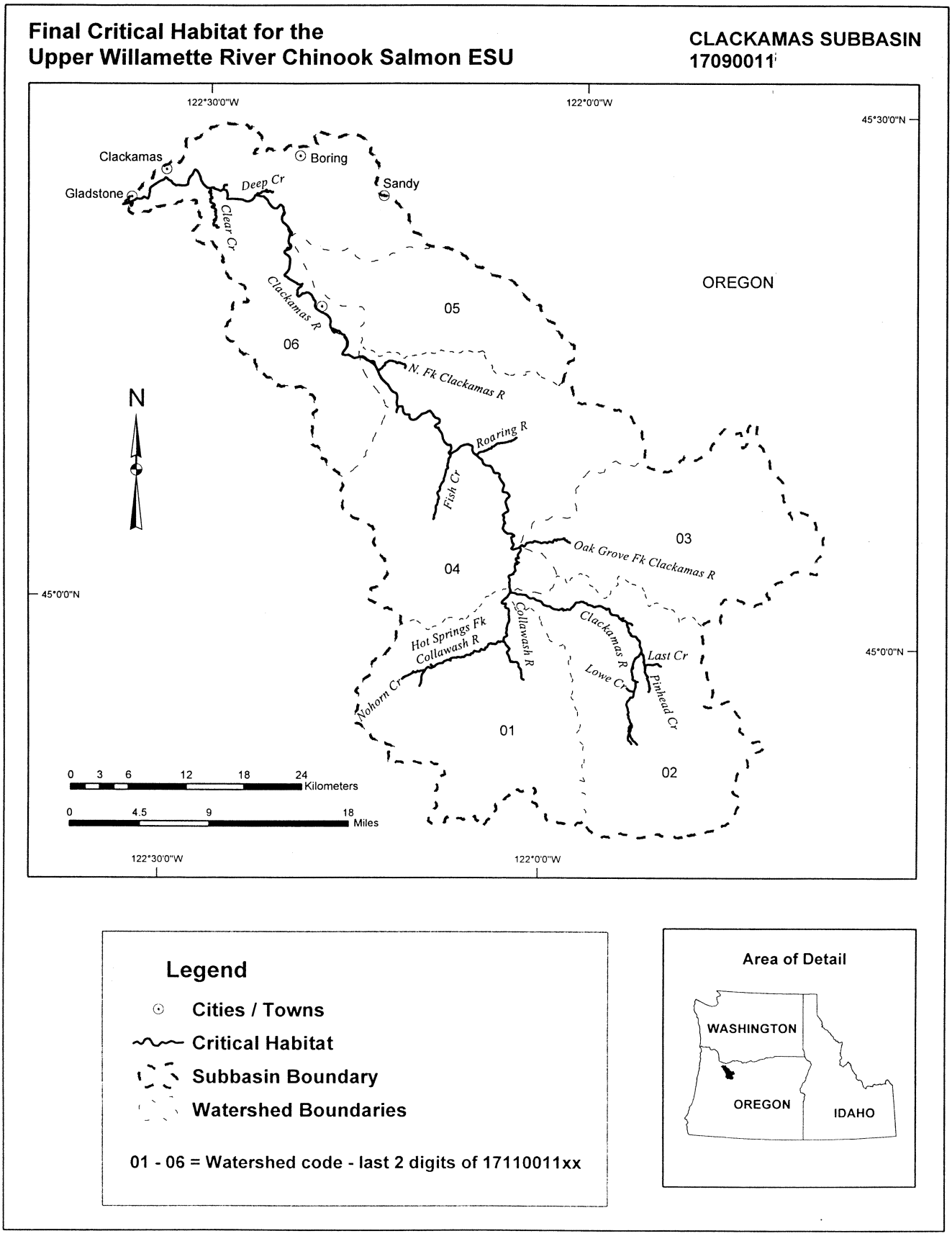
Legend

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

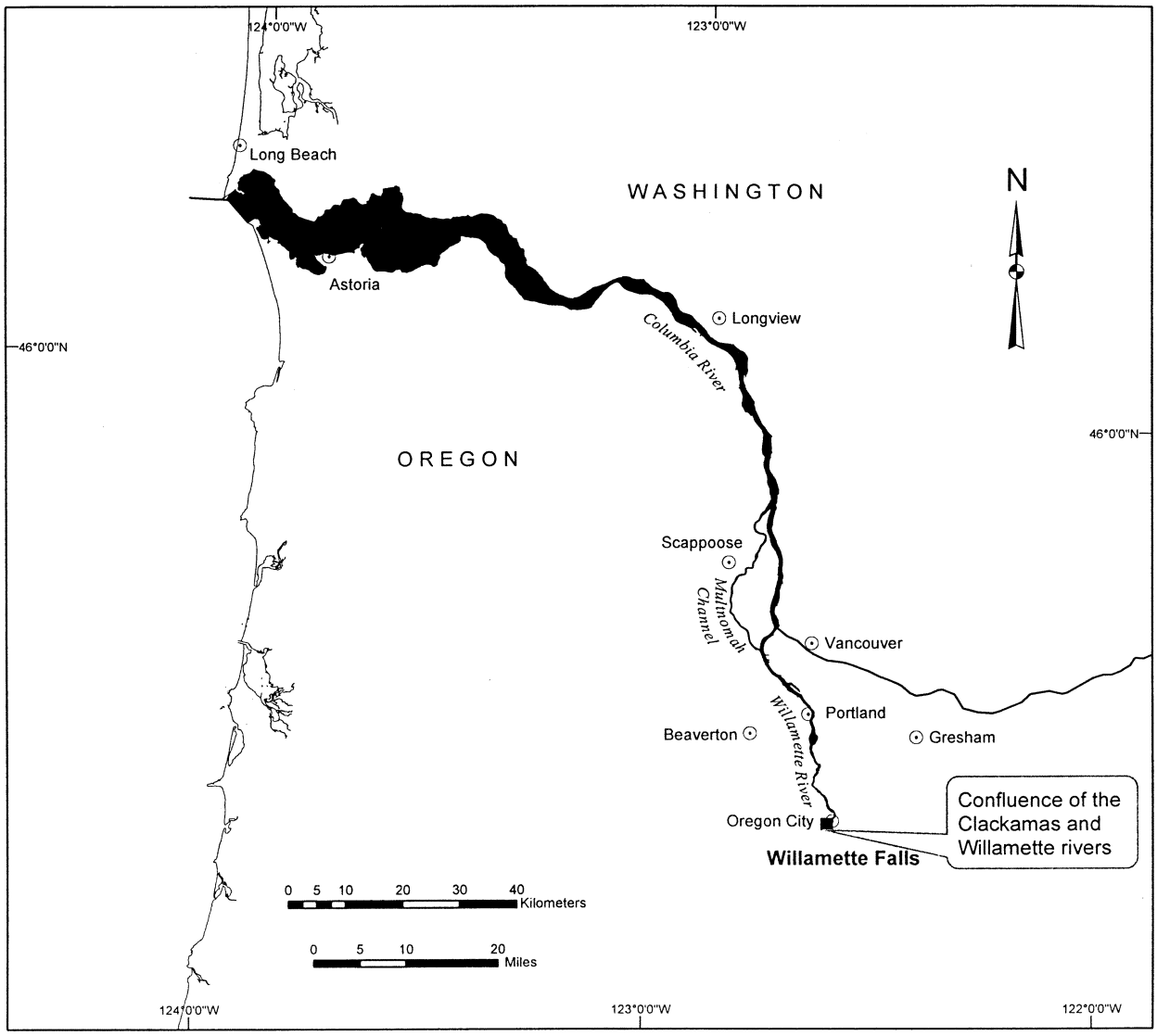
01 - 06 = Watershed code - last 2 digits of 17090009xx

Area of Detail




Final Critical Habitat for the
Upper Willamette River Chinook Salmon ESU
CLACKAMAS SUBBASIN
17090011
122°30'0"W
122°0'0"W
45°30'0"N
45°0'0"N
Clackamas
Boring
Gladstone
Deep Cr
Sandy
Clear Cr
Clackamas R
OREGON
05
06
N. Fk Clackamas R
N
Roaring R
Fish Cr
03
Oak Grove Fk Clackamas R
04
Hot Springs Fk
Collawash R
Collawash R
Clackamas R
Last Cr
Lowe Cr
Pinhead Cr
Mohorn Cr
01
02
0 3 6 12 18 24 Kilometers
0 4.5 9 18 Miles
Legend
Cities / Towns
Critical Habitat
Subbasin Boundary
Watershed Boundaries
01 - 06 = Watershed code - last 2 digits of 17110011xx
Area of Detail
WASHINGTON
OREGON
IDAHO

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.

BILLING CODE 3510–22–C

(l) *Upper Columbia River Spring Chinook Salmon (Oncorhynchus tshawytscha).* Critical habitat is to

include the areas defined in the following subbasins:

(1) Chief Joseph Subbasin 17020005—*Upper Columbia/Swamp Creek Watershed 1702000505.* Outlet(s) = Columbia River (Lat 47.8077, Long –119.9754) upstream to endpoint(s) in: Columbia River (48.0502, –119.8942).

(2) Methow Subbasin 17020008—(i) *Lost River Watershed 1702000801* Outlet(s) = Lost River Gorge (Lat 48.6501, Long –120.5103) upstream to endpoint(s) in: Eureka Creek (48.7020, –120.4986); Lost River Gorge (48.7324, –120.4475).

(ii) *Upper Methow River Watershed 1702000802.* Outlet(s) = Methow River (Lat 48.6015, Long –120.4376) upstream to endpoint(s) in: Early Winters Creek (48.5999, –120.5840); Methow River (48.6417, –120.6150); Rattlesnake Creek (48.6523, –120.5733); Robinson Creek (48.6680, –120.5394); South Fork Trout Creek (48.6448, –120.6030).

(iii) *Upper Chewuch River Watershed 1702000803.* Outlet(s) = Chewuch River (Lat 48.7501, Long –120.1356) upstream to endpoint(s) in: Andrews Creek (48.7855, –120.1087); Chewuch River (48.8614, –120.0288); Dog Creek (48.8218, –120.0151); Lake Creek (48.8258, –120.1996); Thirtymile Creek (48.8109, –120.0199).

(iv) *Lower Chewuch River Watershed 1702000804.* Outlet(s) = Chewuch River (Lat 48.4751, Lat –120.1790) upstream to endpoint(s) in: Boulder Creek (48.5797, –120.1538); Chewuch River (48.7501, –120.1356); Cub Creek (48.5513, –120.1899); Eightmile Creek (48.6071, –120.1775); Lake Creek (48.4926, –120.1629); Twentymile Creek (48.7029, –120.1117).

(v) *Twisp River Watershed 1702000805.* Outlet(s) = Twisp River (Lat 48.3682, Long –120.1176) upstream to endpoint(s) in: Buttermilk Creek (48.3528, –120.3239); Eagle Creek (48.3584, –120.3914); North Creek (48.4587, –120.5595); Poorman Creek (48.3674, –120.1997); South Creek (48.4330, –120.5431); Twisp River (48.4615, –120.5764); War Creek (48.3649, –120.4030).

(vi) *Middle Methow River Watershed 1702000806.* Outlet(s) = Methow River (Lat 48.2495, Long –120.1156) upstream to endpoint(s) in: Bear Creek (48.4527, –120.1423); Goat Creek (48.5888, –120.3705); Little Boulder Creek (48.5700, –120.3797); Methow River (48.6015, –120.4376); Wolf Creek (48.4776, –120.2840) Unnamed (48.4896, –120.2116).

(vii) *Lower Methow River Watershed 1702000807.* Outlet(s) = Methow River (Lat 48.0502, Long –119.8942) upstream to endpoint(s) in: Methow River (48.2495, –120.1156).

(3) Upper Columbia/Entiat Subbasin 17020010—(i) *Entiat River Watershed 1702001001.* Outlet(s) = Entiat River (Lat 47.6585, Long –120.2194) upstream to endpoint(s) in: Entiat River (47.9855, –120.5749); Hornet Creek (47.7714, –120.4403); Mad River (47.7804, –120.4403); Tillicum Creek (47.7295, –120.4304).

(ii) *Lake Entiat Watershed 1702001002.* Outlet(s) = Columbia River (Lat 47.3438, Long –120.0929) upstream to endpoint(s) in: Columbia River (47.8077, –119.9754).

(4) Wenatchee Subbasin 17020011—(i) *White River Watershed 1702001101.* Outlet(s) = White River (Lat 47.8088, Long –120.7159) upstream to endpoint(s) in: Little Wenatchee River (47.8526, –120.9541); Napeequa River (47.9285, –120.8829); Panther Creek (47.9355, –120.9482); White River (47.9535, –120.9380).

(ii) *Chiwawa River Watershed 1702001102.* Outlet(s) = Chiwawa River (Lat 47.7880, Long –120.6589) upstream to endpoint(s) in: Alder Creek (47.8483, –120.6587); Chikamin Creek (47.9785, –120.7194); Chiwawa River (48.1048, –120.8773); Goose Creek (47.8392, –120.6461); Minnow Creek (47.9137, –120.7182); Phelps Creek (48.0794, –120.8400); Unnamed (48.0366, –120.7615).

(iii) *Nason/Tumwater Watershed 1702001103.* Outlet(s) = Wenatchee River (Lat 47.5801, Long –120.6660) upstream to endpoint(s) in: Chiwaukum Creek (47.7039, –120.7791); Nason Creek (47.7769, –120.9103); Skinney Creek (47.6894, –120.7351).

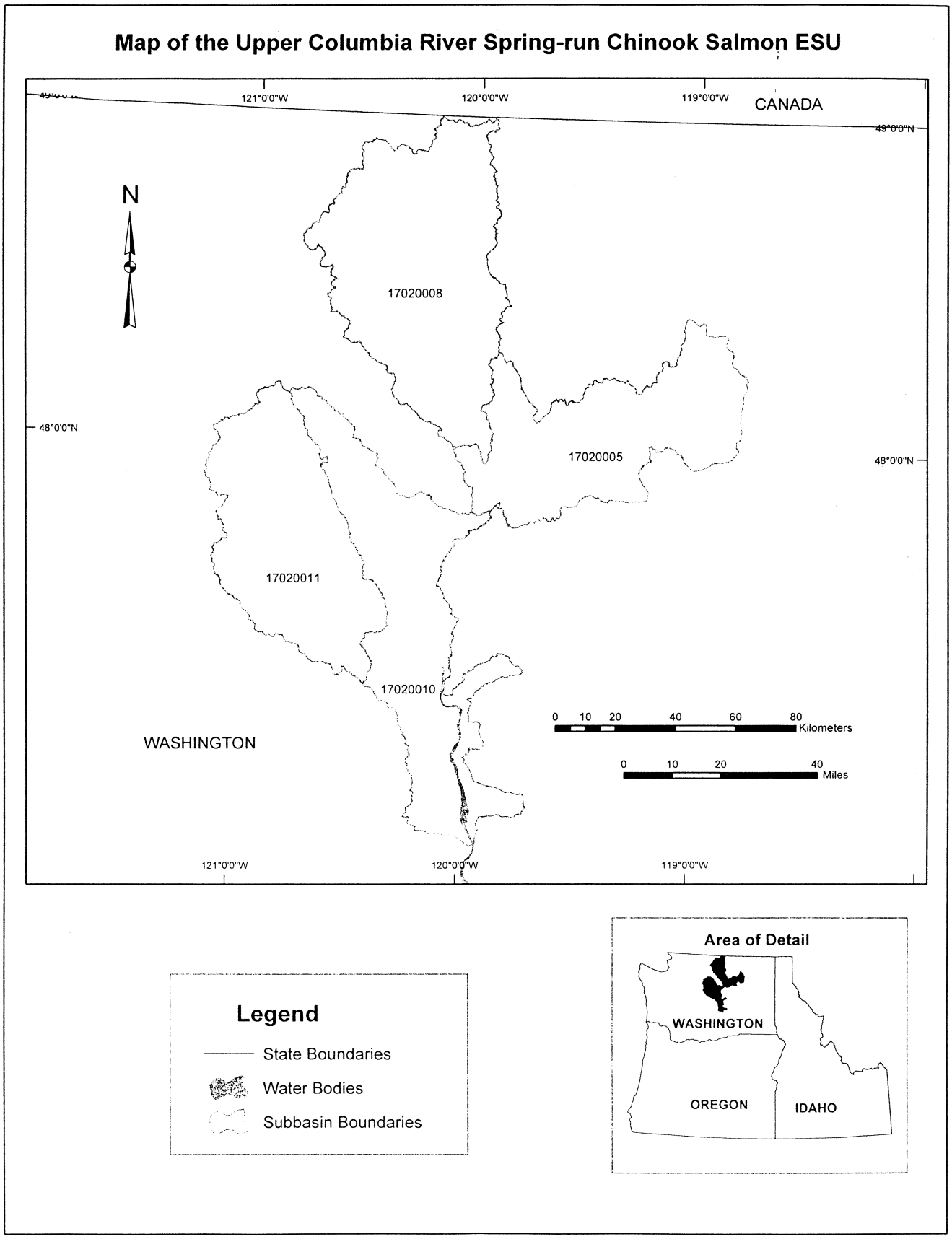
(iv) *Icicle/Chumstick Watershed 1702001104.* Outlet(s) = Wenatchee River (Lat 47.5575, Long –120.5729) upstream to endpoint(s) in: Wenatchee River (47.5801, –120.6660).

(v) *Lower Wenatchee River Watershed 1702001105.* Outlet(s) = Wenatchee River (Lat 47.4553, Long –120.3185) upstream to endpoint(s) in: Wenatchee River (47.5575, –120.5729).

(5) Columbia River Corridor—*Columbia River Corridor* Outlet(s) = Columbia River (Lat 46.2485, Long –124.0782) upstream to endpoint(s) in: Columbia River (47.3438, –120.0929).

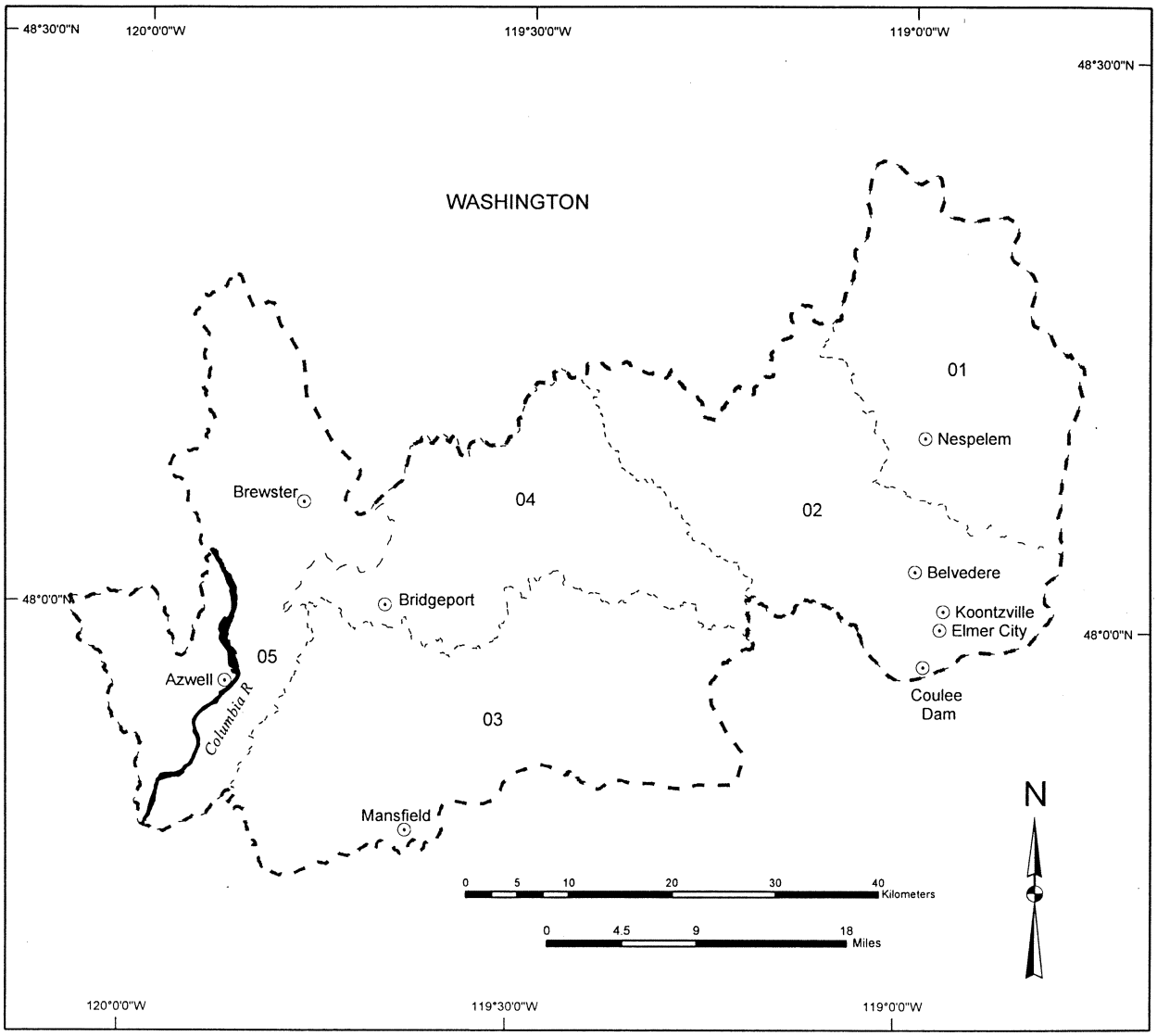
(6) Maps of critical habitat for the Upper Columbia River Spring-run chinook salmon ESU follow:

BILLING CODE 3510–22–P


Map of the Upper Columbia River Spring-run Chinook Salmon ESU
121°0'0"W
120°0'0"W
119°0'0"W
CANADA
49°0'0"N
N
17020008
48°0'0"N
17020005
48°0'0"N
17020011
17020010
WASHINGTON
0 10 20 40 60 80 Kilometers
0 10 20 40 Miles
121°0'0"W
120°0'0"W
119°0'0"W
Legend
State Boundaries
Water Bodies
Subbasin Boundaries
Area of Detail
WASHINGTON
OREGON
IDAHO

Final Critical Habitat for the Upper Columbia River Spring-run Chinook Salmon ESU

CHIEF JOSEPH SUBBASIN 17020005

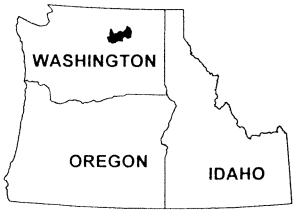


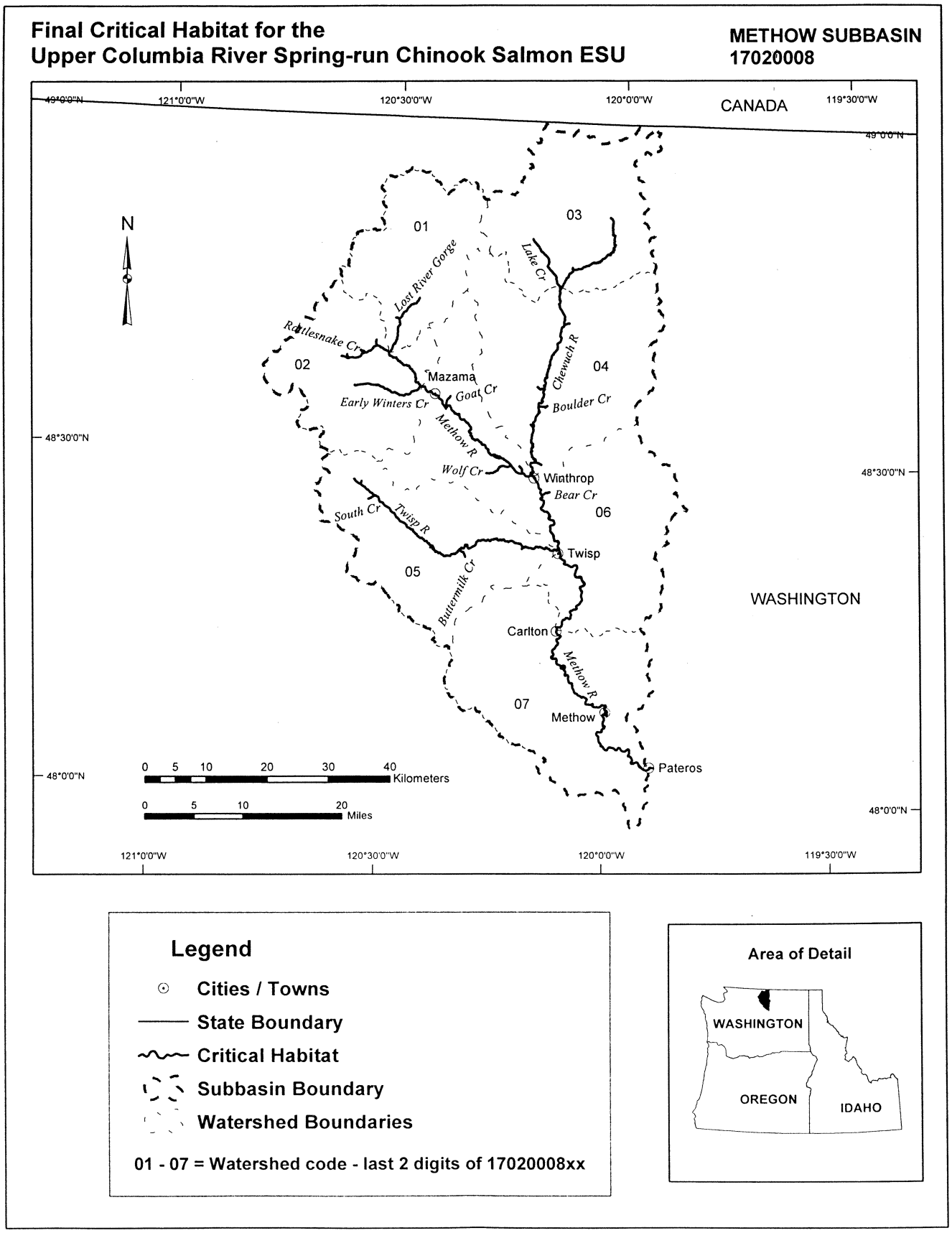
Legend

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

01 - 05 = Watershed code - last 2 digits of 17020005xx

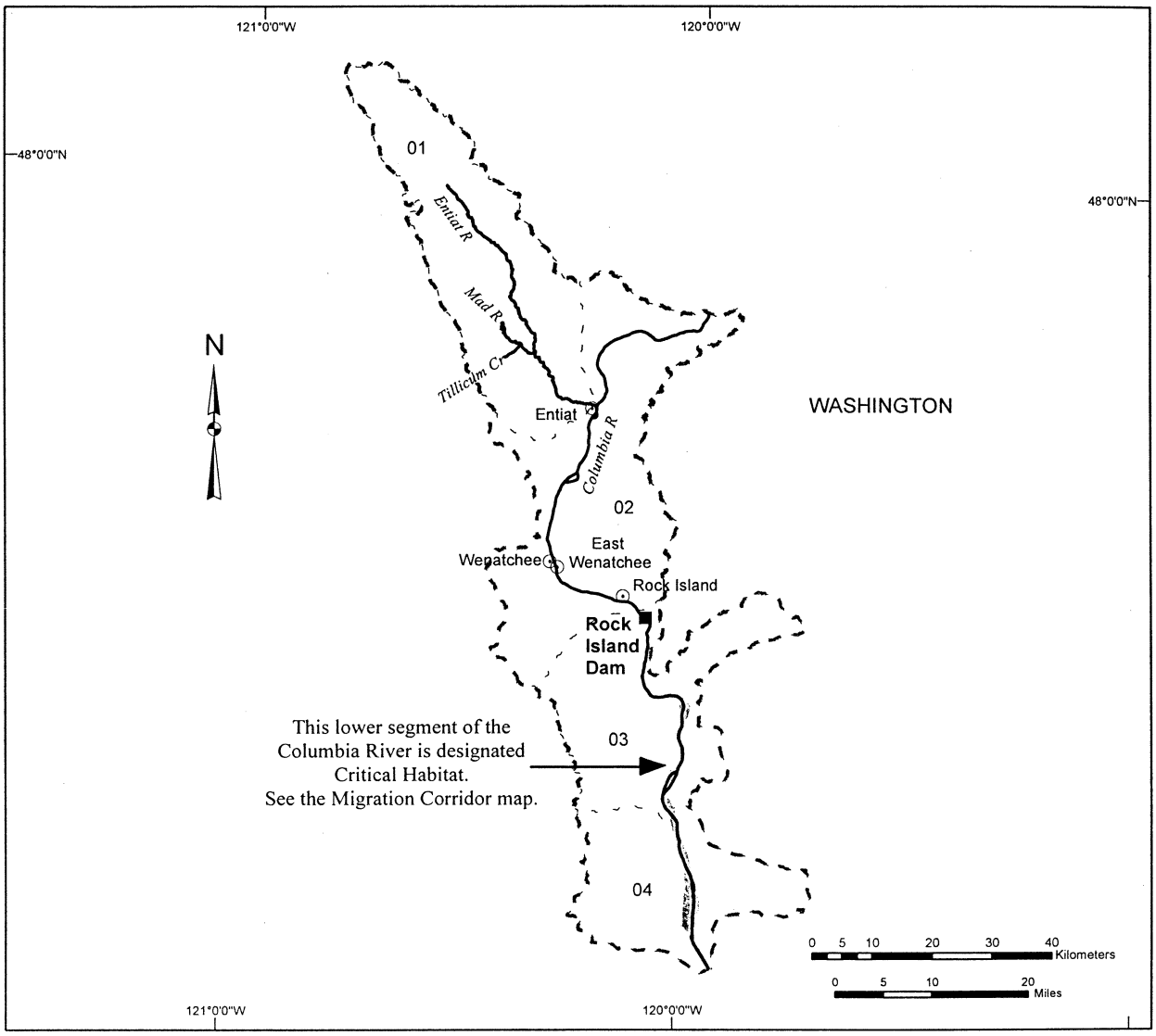
Area of Detail




Final Critical Habitat for the
Upper Columbia River Spring-run Chinook Salmon ESU
METHOW SUBBASIN
17020008
CANADA
WASHINGTON
N
01
02
03
04
05
06
07
Lost River Gorge
Lake Cr
Rattlesnake Cr
Chewuch R
Mazama
Goat Cr
Early Winters Cr
Boulder Cr
Methow R
Wolf Cr
Winthrop
Bear Cr
South Cr
Twisp R
Twisp
Buttermilk Cr
Carlton
Methow R
Methow
Pateros
0 5 10 20 30 40 Kilometers
0 5 10 20 Miles
121°0'0"W
120°30'0"W
120°0'0"W
119°30'0"W
49°0'0"N
48°30'0"N
48°0'0"N
Legend
Cities / Towns
State Boundary
Critical Habitat
Subbasin Boundary
Watershed Boundaries
01 - 07 = Watershed code - last 2 digits of 17020008xx
Area of Detail
WASHINGTON
OREGON
IDAHO

Final Critical Habitat for the Upper Columbia River Spring-run Chinook Salmon ESU

UPPER COLUMBIA / ENTIAT SUBBASIN 17020010

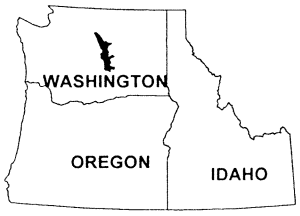


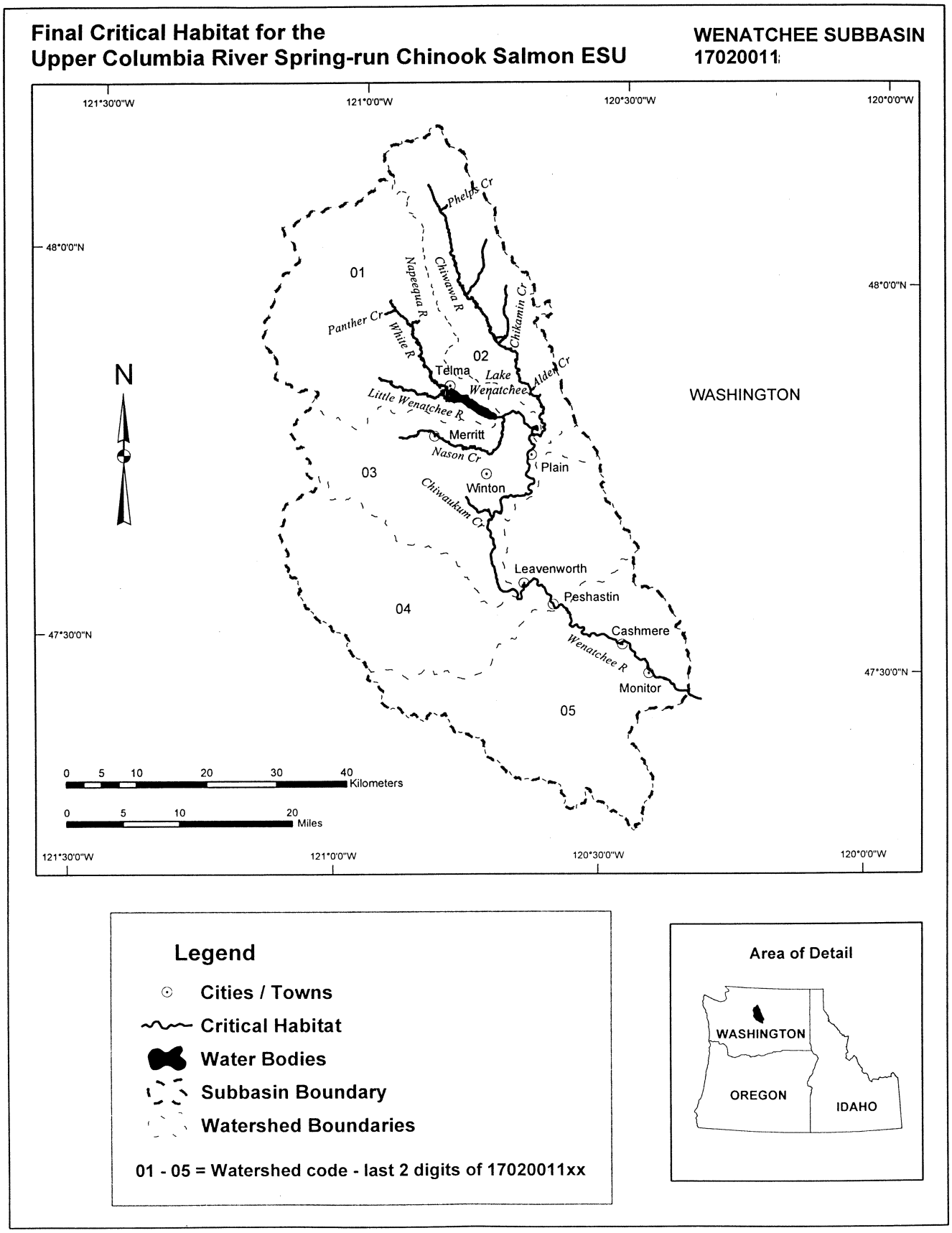
Legend

- Cities / Towns
- Critical Habitat
- Water Body
- Subbasin Boundary
- Watershed Boundaries

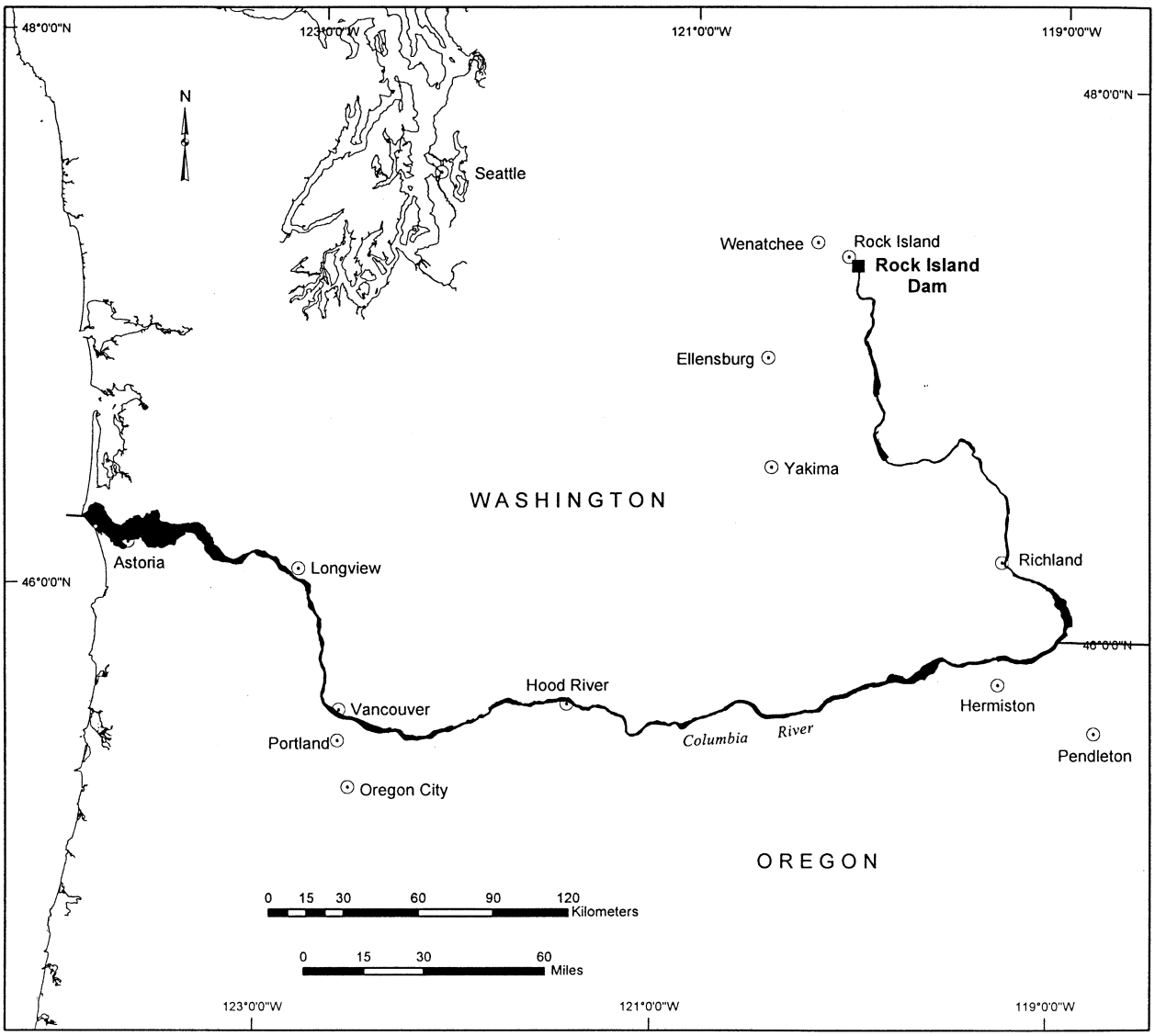
01 - 04 = Watershed code - last 2 digits of 17020010xx

Area of Detail




Final Critical Habitat for the
Upper Columbia River Spring-run Chinook Salmon ESU
WENATCHEE SUBBASIN
17020011
121°30'0"W
121°0'0"W
120°30'0"W
120°0'0"W
48°0'0"N
47°30'0"N
N
01
02
03
04
05
Phelps Cr
Napeequa R
Chiwawa R
Chikamin Cr
Panther Cr
White R
Alder Cr
Telma
Lake Wenatchee
Little Wenatchee R
Merritt
Nason Cr
Plain
Winton
Chiwaukum Cr
Leavenworth
Peshastin
Cashmere
Wenatchee R
Monitor
WASHINGTON
0 5 10 20 30 40 Kilometers
0 5 10 20 Miles
Legend
Cities / Towns
Critical Habitat
Water Bodies
Subbasin Boundary
Watershed Boundaries
01 - 05 = Watershed code - last 2 digits of 17020011xx
Area of Detail
WASHINGTON
OREGON
IDAHO

Rearing / Migration Corridor for the Upper Columbia River Spring-run Chinook Salmon ESU



Legend

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

Upper Columbia River Spring Chinook ESU

Columbia River Corridor
The Columbia River Corridor is that segment from the mouth of the Columbia River at the Pacific Ocean upstream to Rock Island Dam.

BILLING CODE 3510–22–C

(m) *Hood Canal Summer-run Chum Salmon (Oncorhynchus keta).* Critical habitat is designated to include the areas defined in the following subbasins:

(1) Skokomoish Subbasin 17110017—*Skokomish River 1711001701.* Outlet(s) = Skokomish River (Lat 47.3543, Long –123.1122), Unnamed (47.3420, –123.1092), Unnamed (47.3471, –123.1275), Unnamed (47.3509. –123.1101) upstream to endpoint(s) in: Mussel Sheel Creek (47.3039, –123.1590); Skokomish (47.3199, –123.2198); Unnamed (47.3209, –123.2211).

(2) Hood Canal Subbasin 17110018—(i) *Lower West Hood Canal Frontal Watershed 1711001802.* Outlet(s)= Eagle Creek (Lat 47.4849, Long –123.0766); Finch Creek (47.4067, –123.1377); Fulton Creek (47.6183, –122.9736); Jorsted Creek (47.5263, –123.0489); Lilliwaup Creek (47.4689, –123.1136); Unnamed (47.4576, –123.1117) upstream to endpoint(s) in: Eagle Creek (47.4905, –123.0830); Finch Creek (47.4076, –123.1586); Fulton Creek (47.6275, –122.9805); Jorsted Creek (47.5246, –123.0649); Lilliwaup Creek (47.4704, –123.1166); Unnamed (47.4585, –123.1186).

(ii) *Hamma Hamma River Watershed 1711001803.* Outlet(s) = Hamma Hamma River (Lat 47.5471, Long –123.0440) upstream to endpoint(s) in: Hamma Hamma River (47.5547, –123.0623); John Creek (47.5369, –123.0619).

(iii) *Duckabush River Watershed 1711001804.* Outlet(s) = Duckabush River (Lat 47.6502, Long –122.9348) upstream to endpoint(s) in: Duckabush River (47.6654, –122.9728).

(iv) *Dosewallips River Watershed 1711001805.* Outlet(s) = Dosewallips River (Lat 47.6880, Long –122.8949) upstream to endpoint(s) in: Dosewallips River (47.7157, –122.9396).

(v) *Big Quilcene River Watershed 1711001806.* Outlet(s) = Big Quilcene River (Lat 47.8188, Long –122.8605) upstream to endpoint(s) in: Big Quilcene River (47.8102, –122.9119).

(vi) *Upper West Hood Canal Frontal Watershed 1711001807.* Outlet(s) = Little Quilcene River (Lat 47.8266; Long –122.8608) upstream to endpoint(s) in: Little Quilcene River (47.8374, –122.8854).

(vii) *West Kitsap Watershed 1711001808.* Outlet(s) = Anderson Creek (Lat 47.5670, Long –122.9664); Big Beef Creek (47.6521, –122.7823); Dewatto River (47.4538, –123.0474); Little Anderson Creek (47.6653, –122.7554); Tahuya River (47.3767, –123.0355); Union River (47.4484, –122.8368); Unnamed (47.3767, –123.0372); Unnamed (47.4537, –123.0474) upstream to endpoint(s) in: Anderson Creek (47.5596, –122.9354); Bear Creek (47.4980, –122.8074); Big Beef Creek (47.6385, –122.7868); Dewatto River (47.4937, –122.9914); East Fork Union River (47.5056, –122.7897); Hazel Creek (47.5170, –122.7945); Little Anderson Creek (47.6606, –122.7543); North East Fork Union River (47.4954, –122.7819); Tahuya River (47.4510, –122.9597); Union River (47.5273, –122.7846); Unnamed (47.4492, –122.9229); Unnamed (47.4527, –122.8294); Unnamed (47.4553, –122.8301); Unnamed (47.4594, –122.8396); Unnamed (47.4700, –122.8300); Unnamed (47.4852, –122.8313); Unnamed (47.4966, –122.8393); Unnamed (47.4971, –122.8315); Unnamed (47.6600, –122.7559); Unnamed (47.6642, –122.7534).

(3) Puget Sound Subbasin 17110019—*Port Ludlow/Chimacum Creek Watershed 1711001908.* Outlet(s) = Chimacum Creek (Lat 48.0507, Long –122.7832) upstream to endpoint(s) in: Chimacum Creek (47.9743, –122.7764).

(4) Dungeness/Elwha Subbasin 17110020—(i) *Discovery Bay Watershed 1711002001.* Outlet(s) = Salmon Creek (Lat 47.9895, Long –122.8879); Snow Creek (47.9900, –122.8834) upstream to endpoint(s) in: Salmon Creek (47.9775, –122.9191); Snow Creek (47.9638, –122.8827).

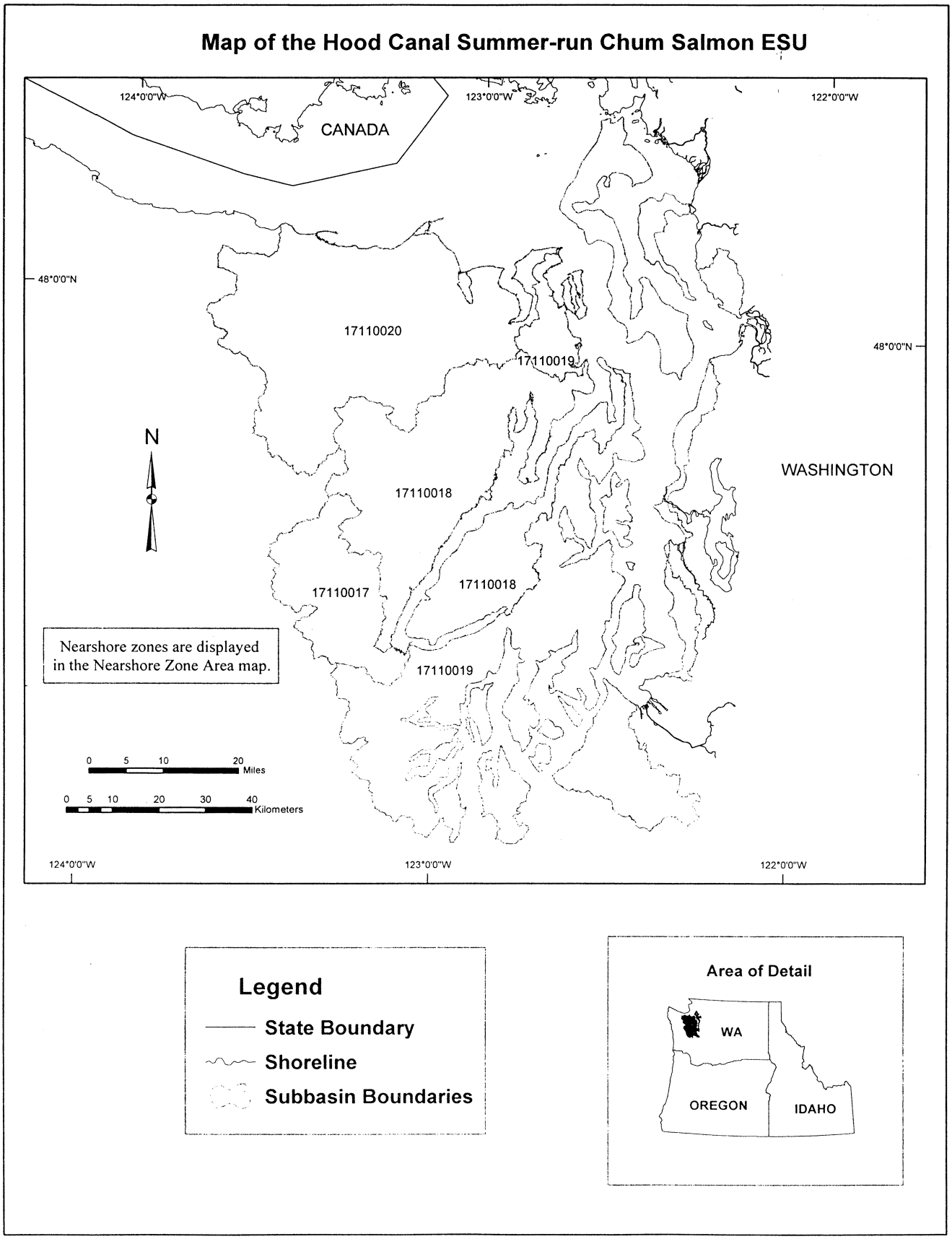
(ii) *Sequim Bay Watershed 1711002002.* Outlet(s) = Jimmycomelately Creek (Lat 48.0235, Long –123.0039) upstream to endpoint(s) in: Jimmycomelately Creek (48.0125, –123.0026).

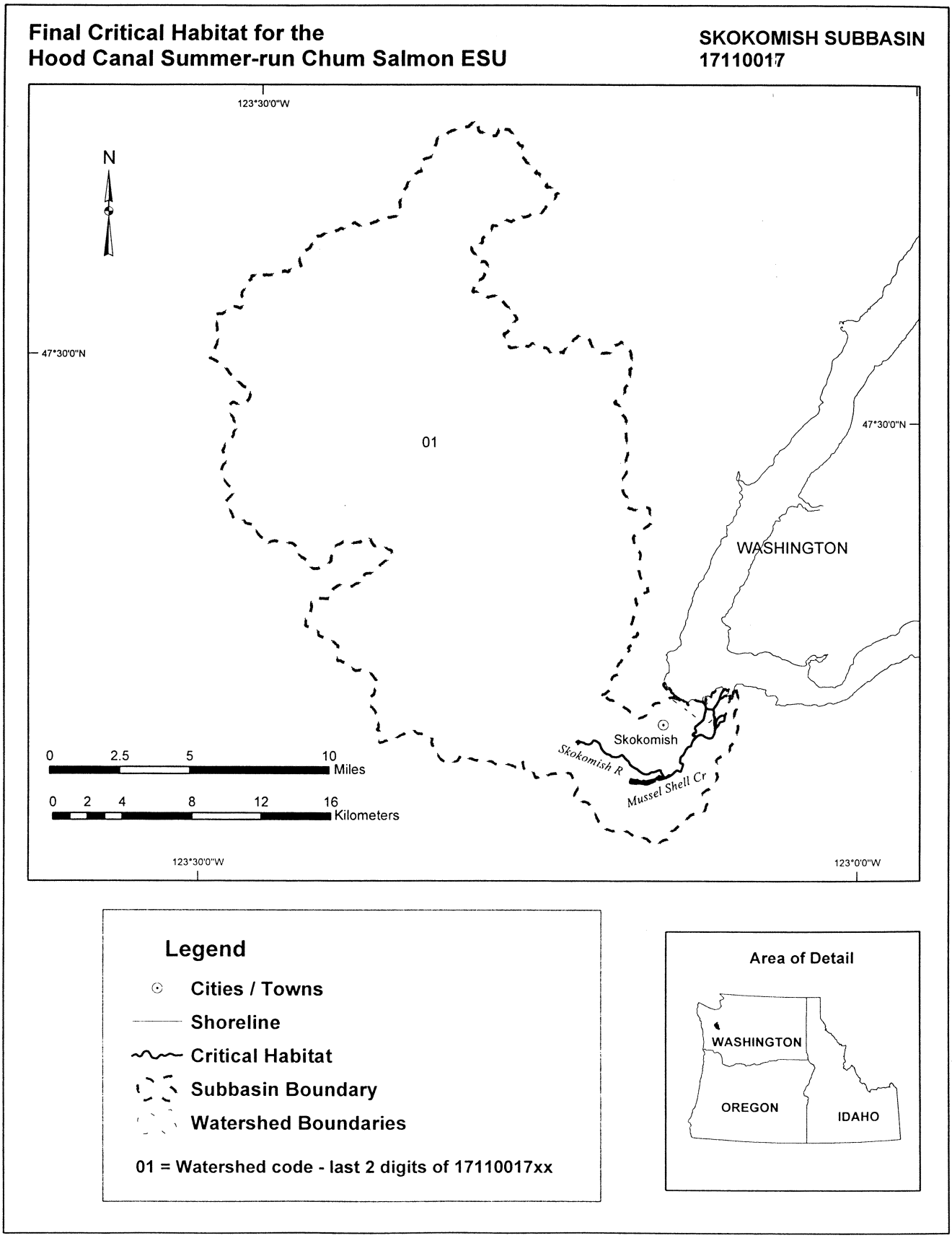
(iii) *Dungeness River Watershed 1711002003.* Outlet(s) = Dungeness River (Lat 48.1506, Long –123.1311); Unnamed (48.1537, –123.1267) upstream to endpoint(s) in: Dungeness River (48.0258, –123.1358); Matriotti Creek (48.1369, –123.1488); Unnamed (48.1167, –123.1403); Unnamed (48.1514, –123.1216).

(5) Nearshore Marine Areas—Except as provided in paragraph (e) of this section, critical habitat includes all nearshore marine areas (including areas adjacent to islands) of Hood Canal and the Strait of Juan de Fuca (to Dungeness Bay) from the line of extreme high tide out to a depth of 30 meters.

(6) Maps of critical habitat for the Hood Canal summer-run chum salmon ESU follow:

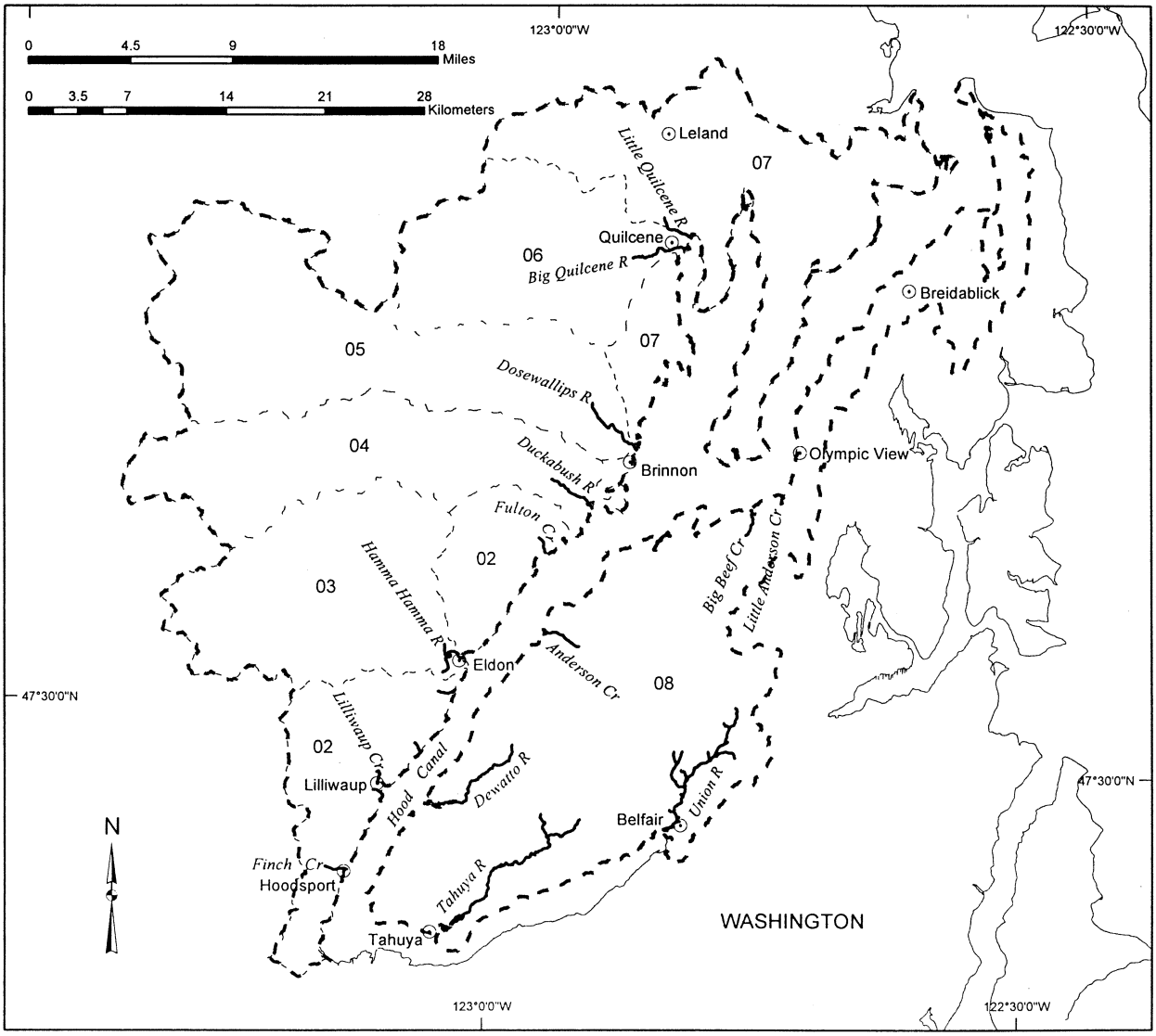
BILLING CODE 3510–22–P


Map of the Hood Canal Summer-run Chum Salmon ESU
124°0'0"W
123°0'0"W
122°0'0"W
CANADA
48°0'0"N
17110020
17110019
WASHINGTON
N
17110018
17110017
17110018
17110019
Nearshore zones are displayed in the Nearshore Zone Area map.
0 5 10 20 Miles
0 5 10 20 30 40 Kilometers
Legend
State Boundary
Shoreline
Subbasin Boundaries
Area of Detail
WA
OREGON
IDAHO


Final Critical Habitat for the
Hood Canal Summer-run Chum Salmon ESU
SKOKOMISH SUBBASIN
17110017
123°30'0"W
N
47°30'0"N
01
WASHINGTON
Skokomish
Skokomish R
Mussel Shell Cr
0 2.5 5 10 Miles
0 2 4 8 12 16 Kilometers
123°0'0"W
Legend
Cities / Towns
Shoreline
Critical Habitat
Subbasin Boundary
Watershed Boundaries
01 = Watershed code - last 2 digits of 17110017xx
Area of Detail
WASHINGTON
OREGON
IDAHO

Final Critical Habitat for the Hood Canal Summer-run Chum Salmon ESU

HOOD CANAL SUBBASIN 17110018

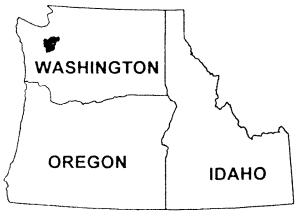


Legend

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

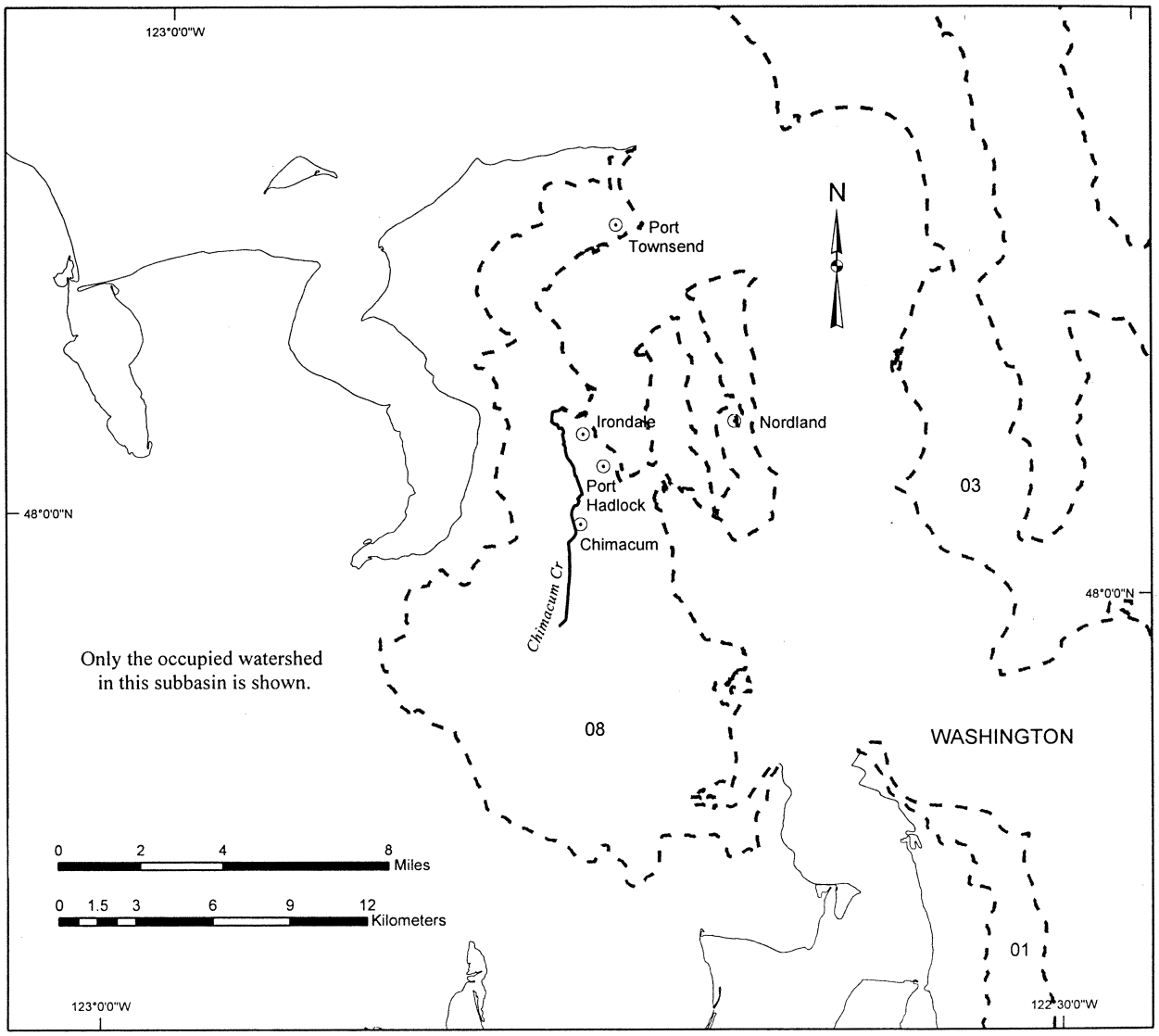
02 - 08 = Watershed code - last 2 digits of 17110018xx

Area of Detail



Final Critical Habitat for the Hood Canal Summer-run Chum Salmon ESU

PUGET SOUND / KITSAP SUBBASIN 17110019

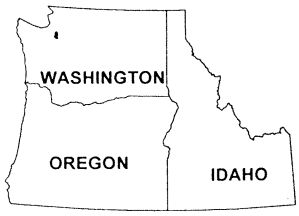


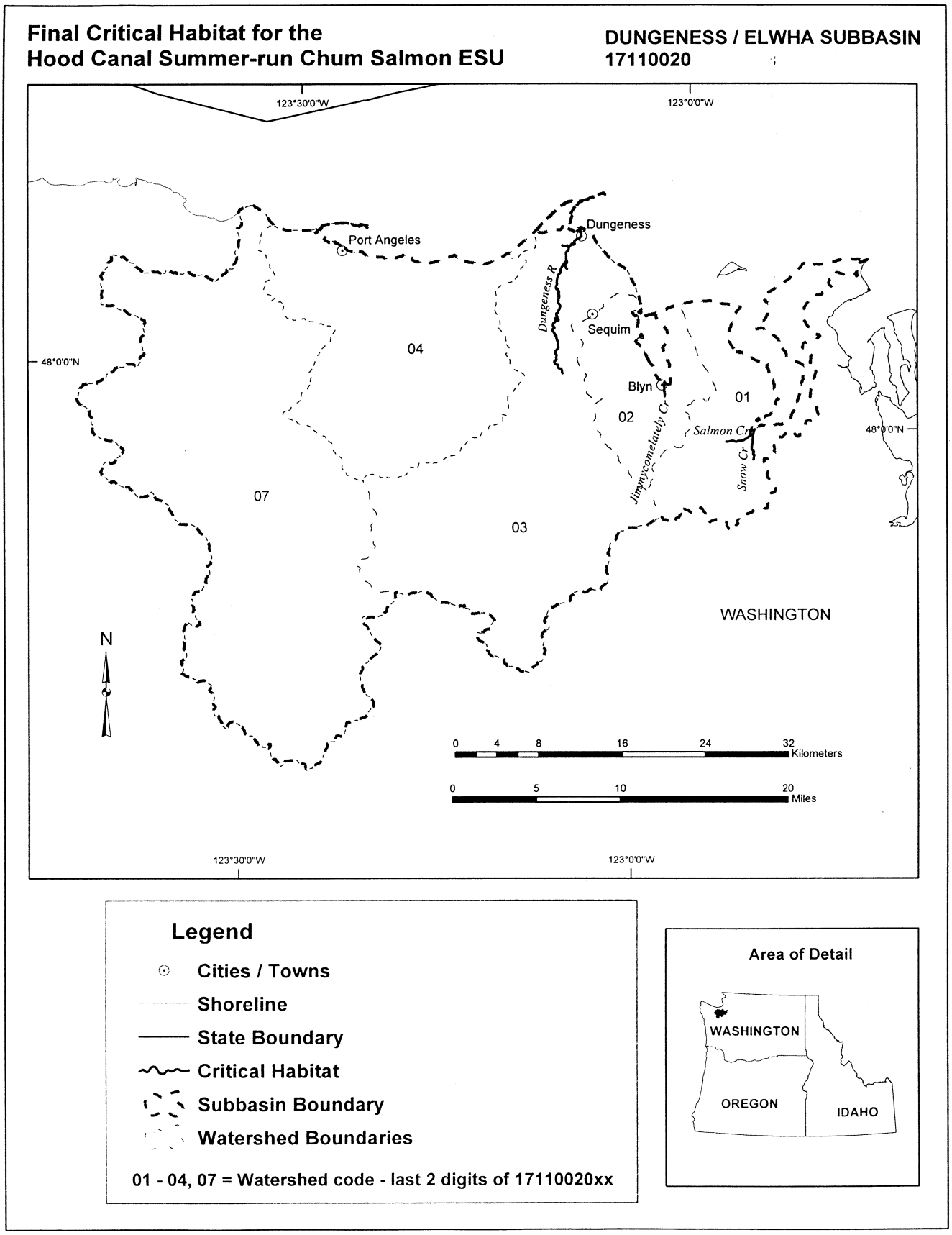
Legend

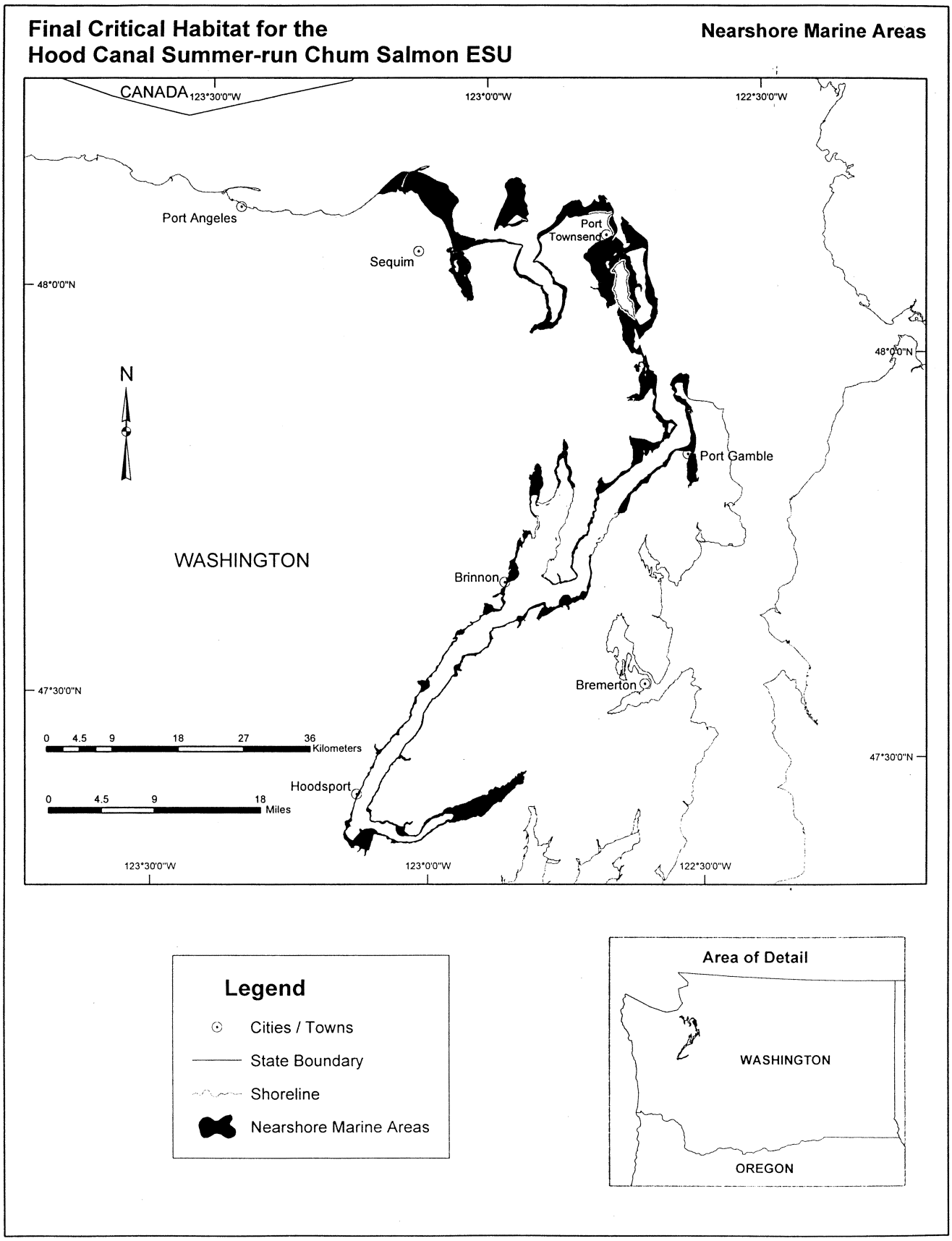
- Cities / Towns
- Shoreline
- Critical Habitat
- Subbasin Boundary
- Watershed Boundaries

01 - 06, 08 = Watershed code - last 2 digits of 17110019xx

Area of Detail




Final Critical Habitat for the
Hood Canal Summer-run Chum Salmon ESU
DUNGENESS / ELWHA SUBBASIN
17110020
123°30'0"W
123°0'0"W
48°0'0"N
Port Angeles
Dungeness
Dungeness R
Sequim
Blyn
Jimmycomelately Cr
Salmon Cr
Snow Cr
04
01
02
07
03
WASHINGTON
N
0 4 8 16 24 32 Kilometers
0 5 10 20 Miles
Legend
Cities / Towns
Shoreline
State Boundary
Critical Habitat
Subbasin Boundary
Watershed Boundaries
01 - 04, 07 = Watershed code - last 2 digits of 17110020xx
Area of Detail
WASHINGTON
OREGON
IDAHO



BILLING CODE 3510–22–C

(n) *Columbia River Chum Salmon (Oncorhynchus keta).* Critical habitat is designated to include the areas defined in the following subbasins:

(1) Middle Columbia/Hood Subbasin 17070105—(i) *White Salmon River Watershed 1707010509.* Outlet(s) = White Salmon River (Lat 45.7267, Long –121.5209) upstream to endpoint(s) in: White Salmon River (45.7677, –121.5374).

(ii) *Middle Columbia/Grays Creek Watershed 1707010512.* Outlet(s) = Columbia River (Lat 45.7074, Long –121.7965) upstream to endpoint(s) in: Columbia River (45.7267, –121.5209).

(iii) *Middle Columbia/Eagle Creek 1707010513.* Outlet(s) = Columbia River (Lat 45.6453, Long –121.9395) upstream to endpoint(s) in: Columbia River (45.7074, –121.7965).

(2) Lower Columbia/Sandy Subbasin 17080001—(i) *Washougal River Watershed 1708000106.* Outlet(s) = Unnamed (Lat 45.5812, Long –122.4077); Washougal River (45.5795, –122.4023) upstream to endpoint(s) in: Lacamas Creek (45.5972, –122.3933); Little Washougal River (45.6210, –122.3750); Unnamed (45.5861, –122.4083); Washougal River (45.6232, –122.2738).

(ii) *Columbia Gorge Tributaries Watershed 1708000107.* Outlet(s) = Columbia River (Lat 45.5709, Long –122.4020) upstream to endpoint(s) in: Columbia River (45.6453, –121.9395); Duncan Creek (45.6136, –122.0539); Gibbons Creek (45.5710, –122.3147); Greenleaf Creek (45.6548, –121.9569); Hamilton Creek (45.6535, –121.9879); Hardy Creek (45.6354, –121.9987); Indian Mary Creek (45.6066, –122.0716); Lawton Creek (45.5746, –122.2501); Unnamed (45.5673, –122.3033); Unnamed (45.6017, –122.1106); Unnamed (45.6017, –122.1087); Unnamed (45.6483, –121.9725); Unnamed (45.6509, –121.9502); Walton Creek (45.5757, –122.2618).

(iii) *Salmon Creek Watershed 1708000109.* Outlet(s) = Lake River (Lat 45.8437, Long –122.7800); Love Creek (45.5976, –122.5443); Unnamed (45.5867, –122.5015); Unnamed (45.5919, –122.5241); Unnamed (45.5952, –122.5366) upstream to endpoint(s) in: Love Creek (45.5981, –122.5444); Salmon Creek (45.7089, –122.6480); Unnamed (45.5873, –122.5015); Unnamed (45.5924, –122.5242); Unnamed (45.5955, –122.5360).

(3) Lewis Subbasin 17080002—(i) *East Fork Lewis River Watershed 1708000205.* Outlet(s) = East Fork Lewis River (Lat 45.8664, Long –122.7189); Gee Creek (45.8462, –122.7803) upstream to endpoint(s) in: Brezee Creek (45.8622, –122.6667); East Fork Lewis River (45.8395, –122.4463); Gee Creek (45.8264, –122.7458); Lockwood Creek (45.8578, –122.6259); Mason Creek (45.8410, –122.5919); McCormick Creek (45.8521, –122.6907); Riley Creek (45.8663, –122.6349); Unnamed (45.8076, –122.5878); Unnamed (45.8076, –122.6286); Unnamed (45.8090, –122.6089); Unnamed (45.8111, –122.5860); Unnamed (45.8149, –122.5654); Unnamed (45.8201, –122.5991); Unnamed (45.8241, –122.6380); Unnamed (45.8280, –122.6431); Unnamed (45.8292, –122.6040); Unnamed (45.8389, –122.6456); Unnamed (45.8439, –122.6478); Unnamed (45.8439, –122.6605).

(ii) *Lower Lewis River Watershed 1708000206.* Outlet(s) = Lewis River (Lat 45.8519, Long –122.7806) upstream to endpoint(s) in: Cedar Creek (45.9383, –122.5818); Colvin Creek (45.9400, –122.6081); Houghton Creek (45.9395, –122.6478); Johnson Creek (45.9385, –122.6261); Lewis River (45.9570, –122.5550); Ross Creek (45.9340, –122.7076).

(4) Lower Columbia/Clatskanie Subbasin 17080003—(i) *Kalama River Watershed 1708000301.* Outlet(s) = Kalama River (Lat 46.0340, Long –122.8696) upstream to endpoint(s) in: Kalama River (46.0449, –122.8034).

(ii) *Germany/Abernathy Watershed 1708000304.* Outlet(s) = Abernethy Creek (Lat 46.1908, Long –123.1661); Germany Creek (46.1895, –123.1244); Mill Creek (46.1888, –123.1745) upstream to endpoint(s) in: Abernethy Creek (46.2263, –123.1467); Germany Creek (46.2221, –123.1353); Mill Creek (46.1932, –123.1834).

(iii) *Skamokawa/Elochoman Watershed 1708000305.* Outlet(s) = Elochoman River (Lat 46.2269, Long –123.4039); Jim Crow Creek (46.2662, –123.5511); Skamokawa Creek (46.2677, –123.4562); Unnamed (46.2243, –123.3975) upstream to endpoint(s) in: Beaver Creek (46.2262, –123.3239); Brooks Slough (46.2502, –123.4094); Clear Creek (46.2611, –123.2996); Duck Creek (46.2517, –123.3159); Eggman Creek (46.3248, –123.4951); Elochoman River (46.2615, –123.2965); Indian Jack Slough (46.2371, –123.3955); Jim Crow Creek (46.2891, –123.5553); Kelly Creek (46.3109, –123.4797); Left Fork Skamokawa Creek (46.3331, –123.4610); Quarry Creek (46.3292, –123.4241); Skamokawa Creek (46.3277, –123.4236); Unnamed (46.2338, –123.3282); Unnamed (46.3293, –123.4534); West Fork Skamokawa Creek (46.3119, –123.4889); West Valley Creek (46.2981, –123.4698); Wilson Creek (46.3006, –123.3787).

(5) Lower Cowlitz Subbasin 17080005—(i) *Jackson Prairie Watershed 1708000503.* Outlet(s) = Cowlitz River (Lat 46.3678, Long –122.9337) upstream to endpoint(s) in: Bear Creek (46.4544, –122.9187); Blue Creek (46.4885, –122.7253); Coon Creek (46.4272, –122.9109); Cowlitz River (46.5033, –122.5871); Lacamas Creek (46.5564, –122.6878); Mill Creek (46.5025, –122.8017); Salmon Creek (46.4130, –122.8165); Skook Creek (46.4708, –122.7594); Unnamed (46.4191, –122.8205); Unnamed (46.4205, –122.8662); Unnamed (46.4280, –122.8380); Unnamed (46.4707, –122.7713); Unnamed (46.4885, –122.8068); Unnamed (46.5076, –122.6675); Unnamed (46.5311, –122.8194); Unnamed (46.5432, –122.7466).

(ii) *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 (46.3102, –122.6444); South Fork Toutle River (46.2817, –122.6420).

(iii) *East Willapa Watershed 1708000507.* Outlet(s) = Cowlitz River (Lat 46.2660, Long –122.9154) upstream to endpoint(s) in: Arkansas Creek (46.3032, –122.9801); Cowlitz River (46.3678, –122.9337); Delameter Creek (46.2598, –122.9679); Hill Creek (46.3704, –122.9267); McMurphy Creek (46.4082, –122.9520); Monahan Creek (46.2636, –122.9727); North Fork Toutle River (46.3669, –122.5859); Olequa Creek (46.4324, –122.9688); Unnamed (46.2606, –122.9551); Unnamed (46.2642, –122.9291); Unnamed (46.2689, –122.9589); Unnamed (46.2880, –122.9051); Unnamed (46.2892, –122.9626); Unnamed (46.3294, –122.9085); Unnamed (46.3371, –122.8922); Unnamed (46.3491, –122.7052); Unnamed (46.3571, –122.7684); Unnamed (46.3587, –122.7478); Unnamed (46.3683, –122.7503); Unnamed (46.3814, –122.6091); Wyant Creek (46.3314, –122.6768).

(iv) *Coweeman Watershed 1708000508.* Outlet(s) = Cowlitz River (Lat 46.0977, Long –122.9141); Owl Creek (46.0768, –122.8679) upstream to endpoint(s) in: Baird Creek (46.1789, –122.5822); Butler Creek (46.1491, –122.5170); Cowlitz River (46.2660, –122.9154); Goble Creek (46.1074, –122.7068);Leckler Creek (46.2164, –122.9325); Mulholland Creek (46.2004, –122.6484); Nineteen Creek (46.1593, –122.6095); North Fork Goble Creek (46.1208, –122.7691); Owl Creek (46.0914, –122.8692); Salmon Creek (46.2547, –122.8839); Sandy Bend Creek (46.2318, –122.9143); Skipper Creek

(46.1625, –122.5915); Turner Creek (46.1167, –122.8150); Unnamed (46.0719, –122.8607); Unnamed (46.0767, –122.8604); Unnamed (46.0897, –122.7355); Unnamed (46.1295, –122.8993); Unnamed (46.1369, –122.8034); Unnamed (46.1441, –122.5816); Unnamed (46.1478, –122.8649); Unnamed (46.1516, –122.8749); Unnamed (46.1558, –122.7803); Unnamed (46.1727, –122.7716); Unnamed (46.1753, –122.7657); Unnamed (46.1940, –122.7068); Unnamed (46.2021, –122.6941); Unnamed (46.2416, –122.8869).

(6) Lower Columbia Subbasin 17080006—(i) *Big Creek Watershed 1708000602.* Outlet(s) = Big Creek (Lat 46.1848, Long –123.5943) upstream to endpoint(s) in: Big Creek (46.1476, –123.5820); Little Creek (46.1510, –123.6007).

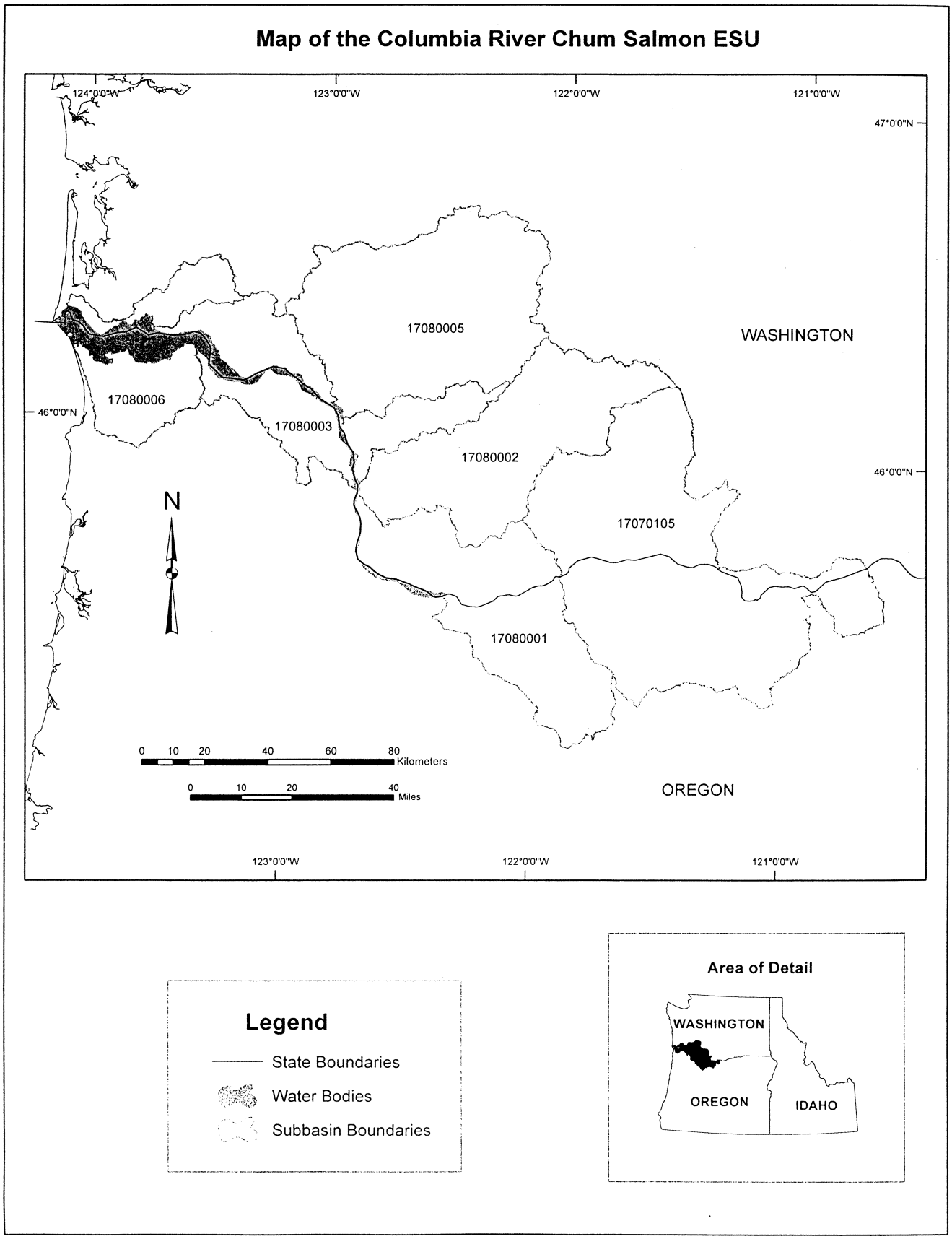
(ii) *Grays Bay Watershed 1708000603.* Outlet(s) = Deep River (Lat 46.3035, Long –123.7092); Grays River (46.3035, –123.6867); Unnamed (46.2419, –123.8842); Unnamed (46.3026, –123.9702) upstream to endpoint(s) in: Alder Creek (46.4279, –123.4621); Blaney Creek (46.3957, –123.4607); Campbell Creek (46.3435, –123.7087); Chinook River (46.2685, –123.9233); Deep River (46.3480, –123.6865); East Fork Grays River (46.4424, –123.4120); Fossil Creek (46.3612, –123.5217); Grays River (46.4628, –123.4602); Johnson Creek (46.4544, –123.4732); Kessel Creek (46.3336, –123.5850); King Creek (46.3444, –123.5774); Lassila Creek (46.3343, –123.7108); Mitchell Creek (46.4512, –123.4269); South Fork Grays River (46.3836, –123.4592); Thadbar Creek (46.3331, –123.6092); Unnamed (46.2502, –123.8833); Unnamed (46.2847, –123.9402); Unnamed (46.2901, –123.9368); Unnamed (46.3605, –123.5228); Unnamed (46.3838, –123.5454); Unnamed (46.4328, –123.4444); West Fork Grays River (46.3942, –123.5611).

(7) 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, –122.4020).

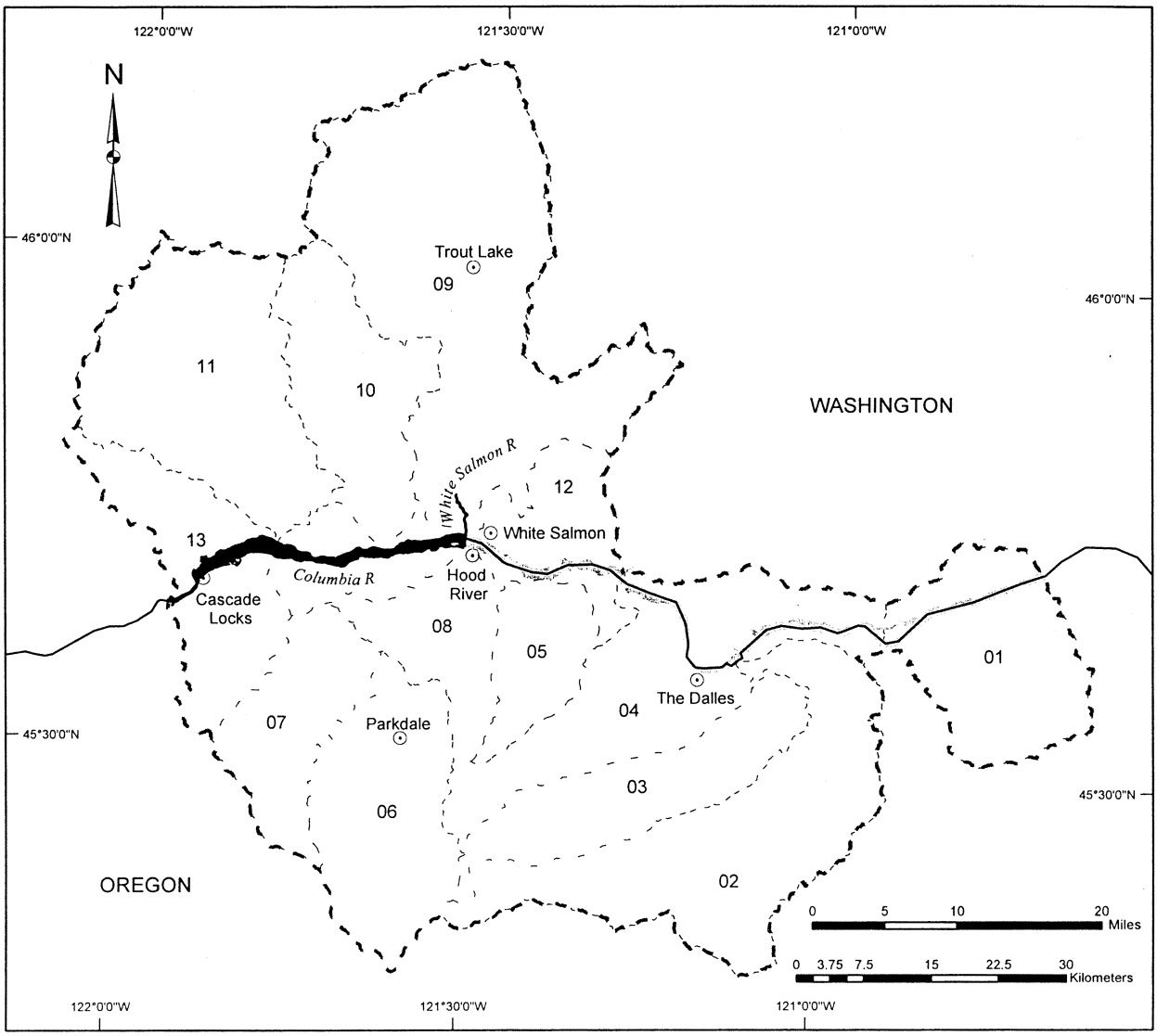
(8) Maps of critical habitat for the Columbia River chum salmon ESU follow:

BILLING CODE 3510–22–P


Map of the Columbia River Chum Salmon ESU
124°0'0"W
123°0'0"W
122°0'0"W
121°0'0"W
47°0'0"N
46°0'0"N
17080005
WASHINGTON
17080006
17080003
17080002
17070105
17080001
N
0 10 20 40 60 80 Kilometers
0 10 20 40 Miles
OREGON
Legend
State Boundaries
Water Bodies
Subbasin Boundaries
Area of Detail
WASHINGTON
OREGON
IDAHO

Final Critical Habitat for the Columbia River Chum Salmon ESU

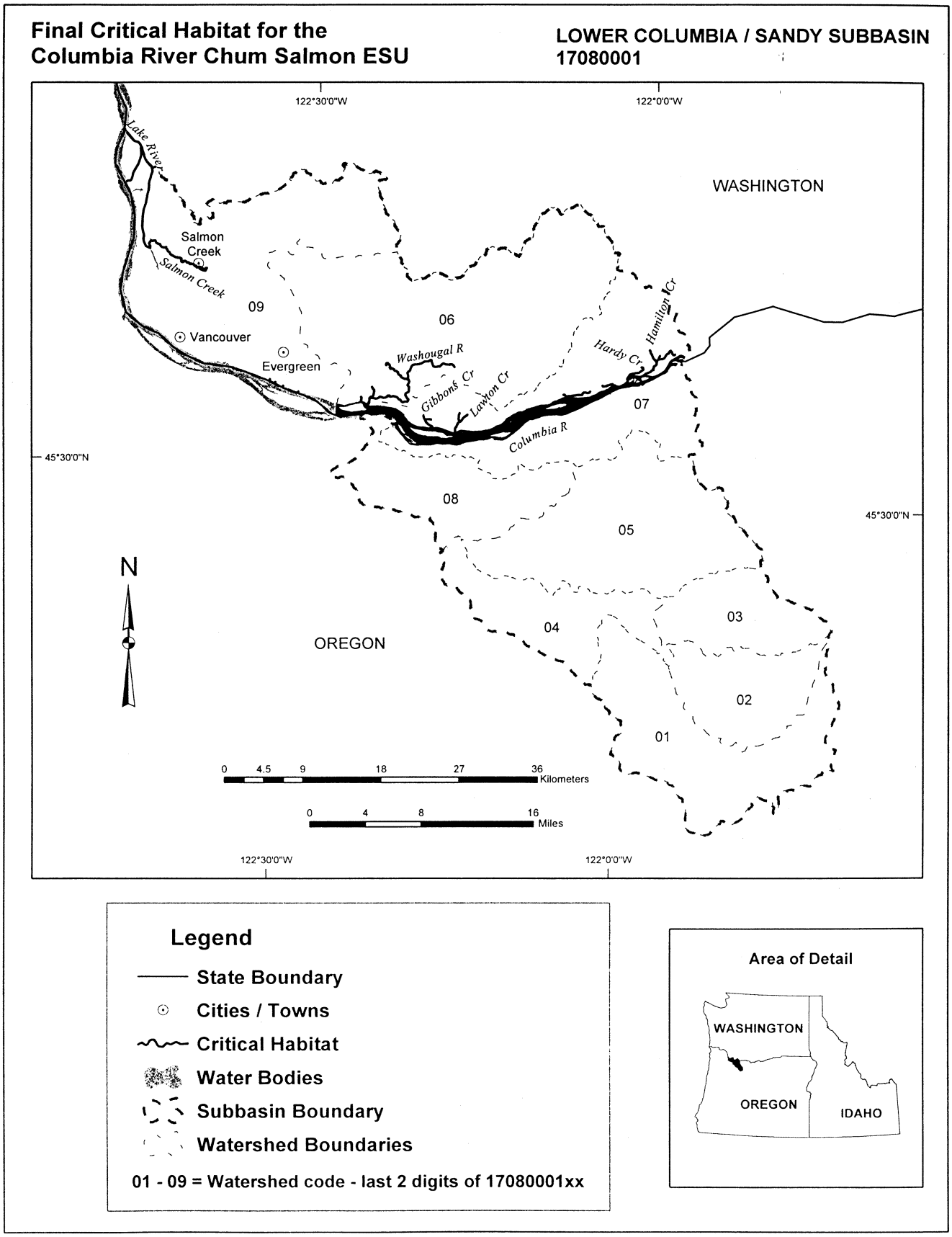
MIDDLE COLUMBIA / HOOD SUBBASIN 17070105

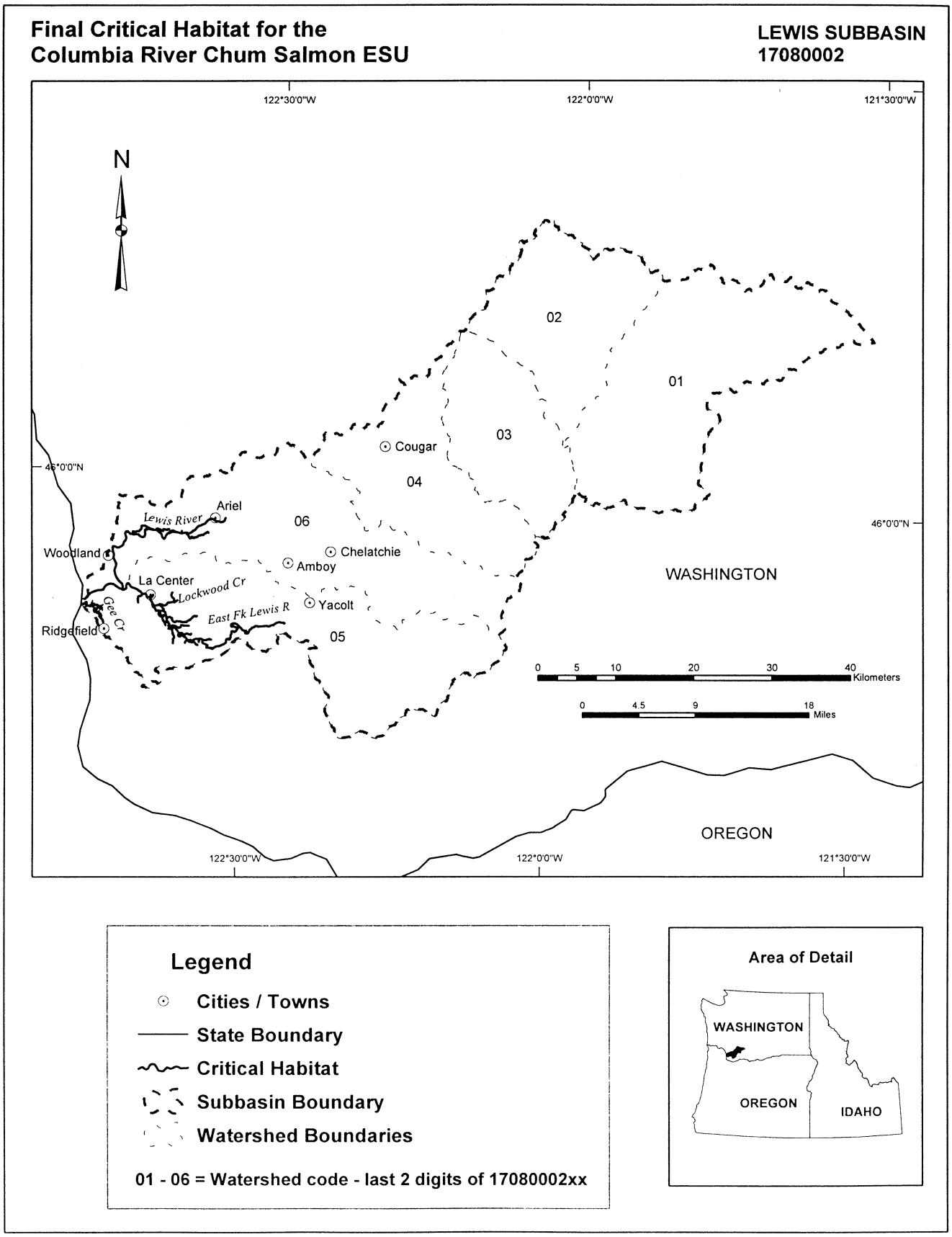


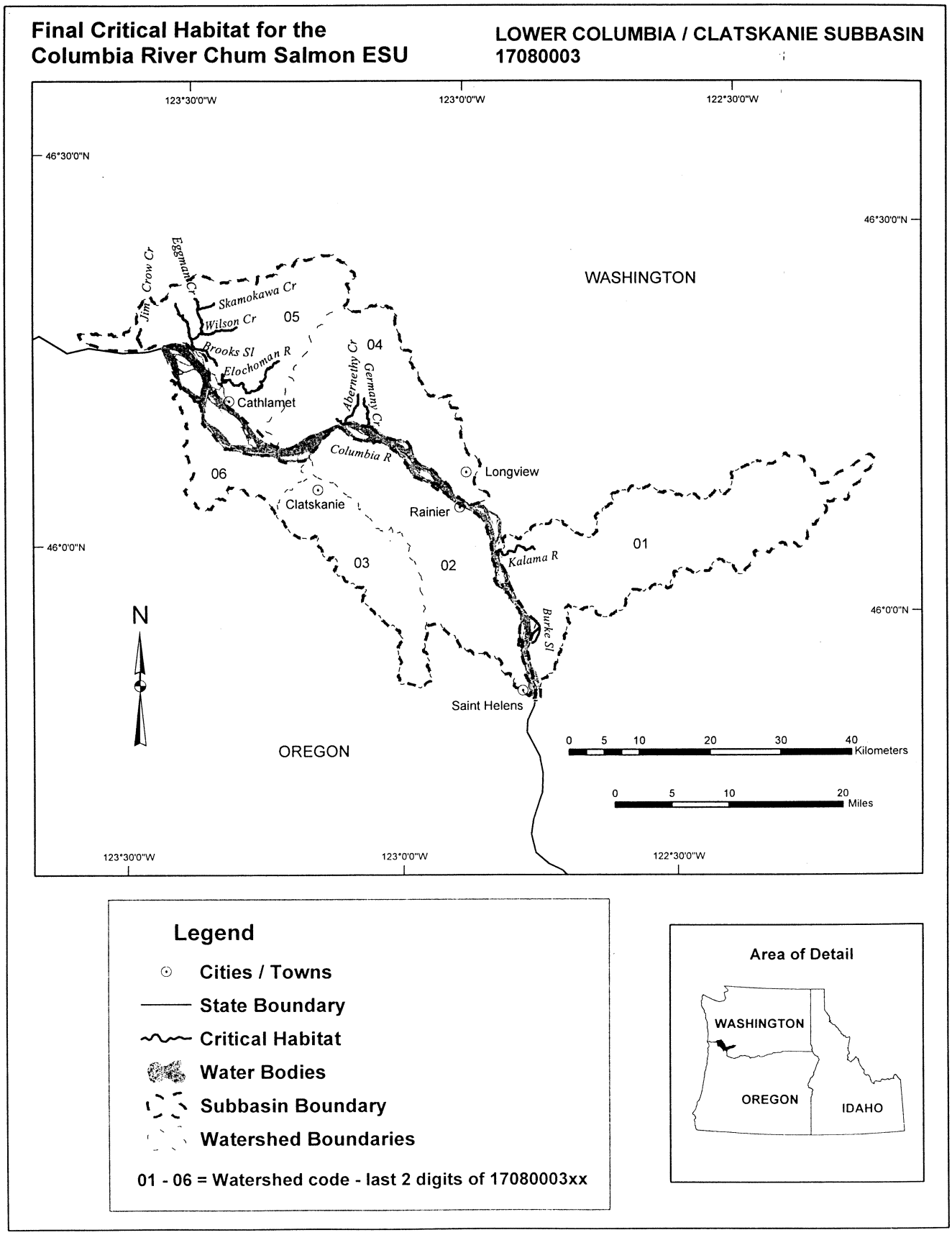
Legend

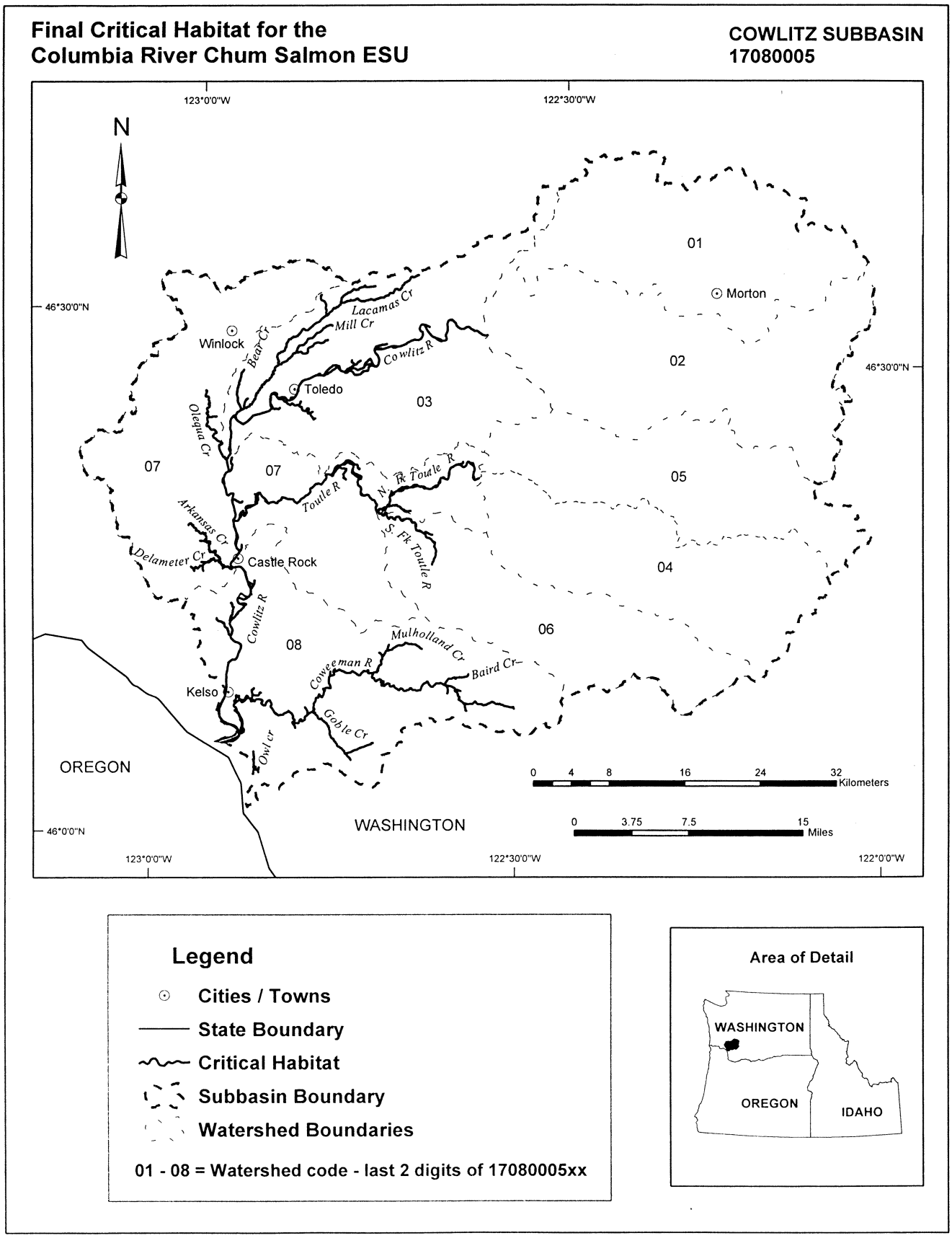
- Cities / Towns
- State Boundary
- Critical Habitat
- Water Bodies
- Subbasin Boundary
- Watershed Boundaries

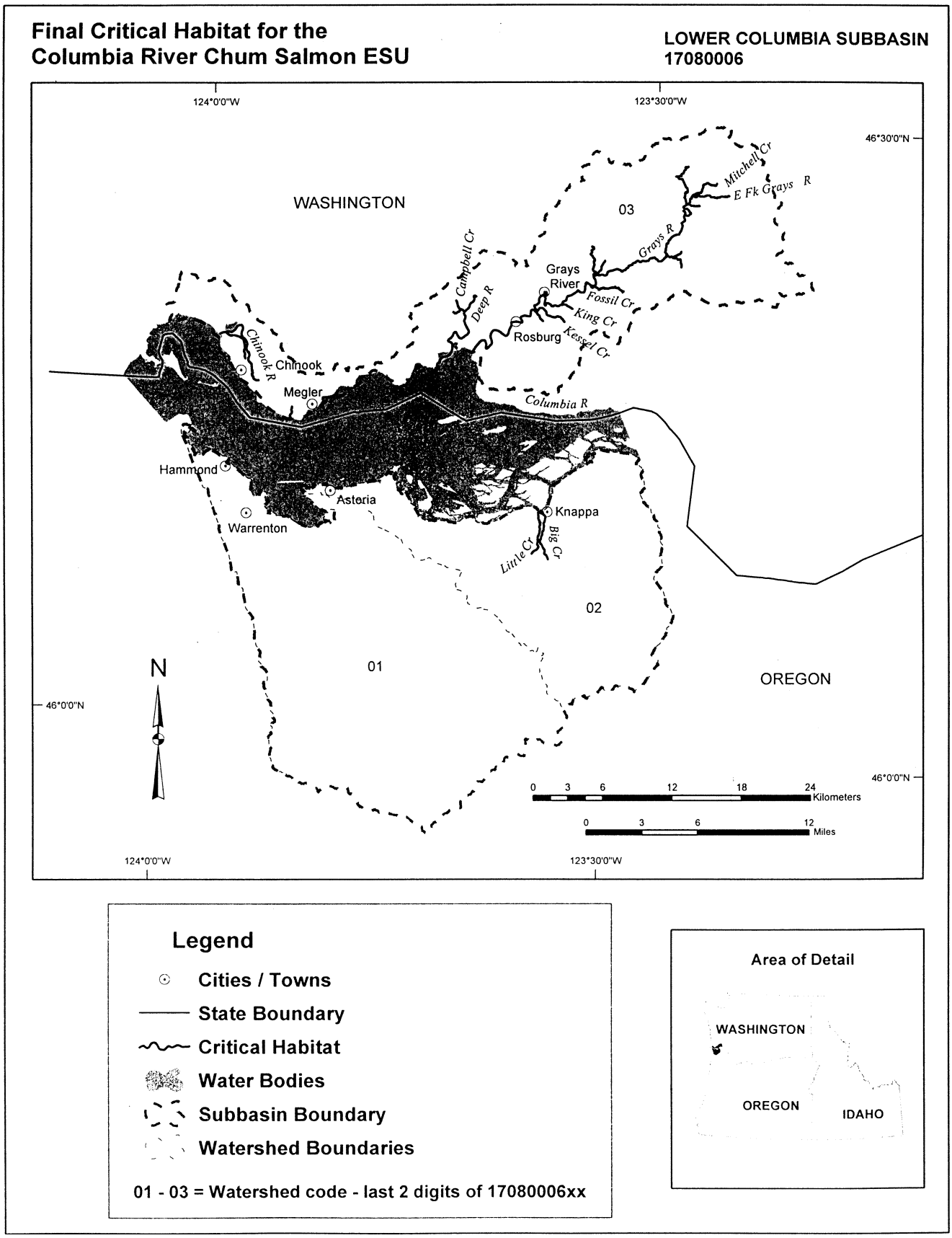
01 - 13 = Watershed code - last 2 digits of 17070105xx


Final Critical Habitat for the
Columbia River Chum Salmon ESU
LOWER COLUMBIA / SANDY SUBBASIN
17080001
122°30'0"W
122°0'0"W
45°30'0"N
Lake River
Salmon Creek
Salmon Creek
Vancouver
Evergreen
Washougal R
Gibbons Cr
Lawton Cr
Columbia R
Hardy Cr
Hamilton Cr
WASHINGTON
OREGON
09
06
07
08
05
04
03
02
01
N
0 4.5 9 18 27 36 Kilometers
0 4 8 16 Miles
Legend
State Boundary
Cities / Towns
Critical Habitat
Water Bodies
Subbasin Boundary
Watershed Boundaries
01 - 09 = Watershed code - last 2 digits of 17080001xx
Area of Detail
WASHINGTON
OREGON
IDAHO

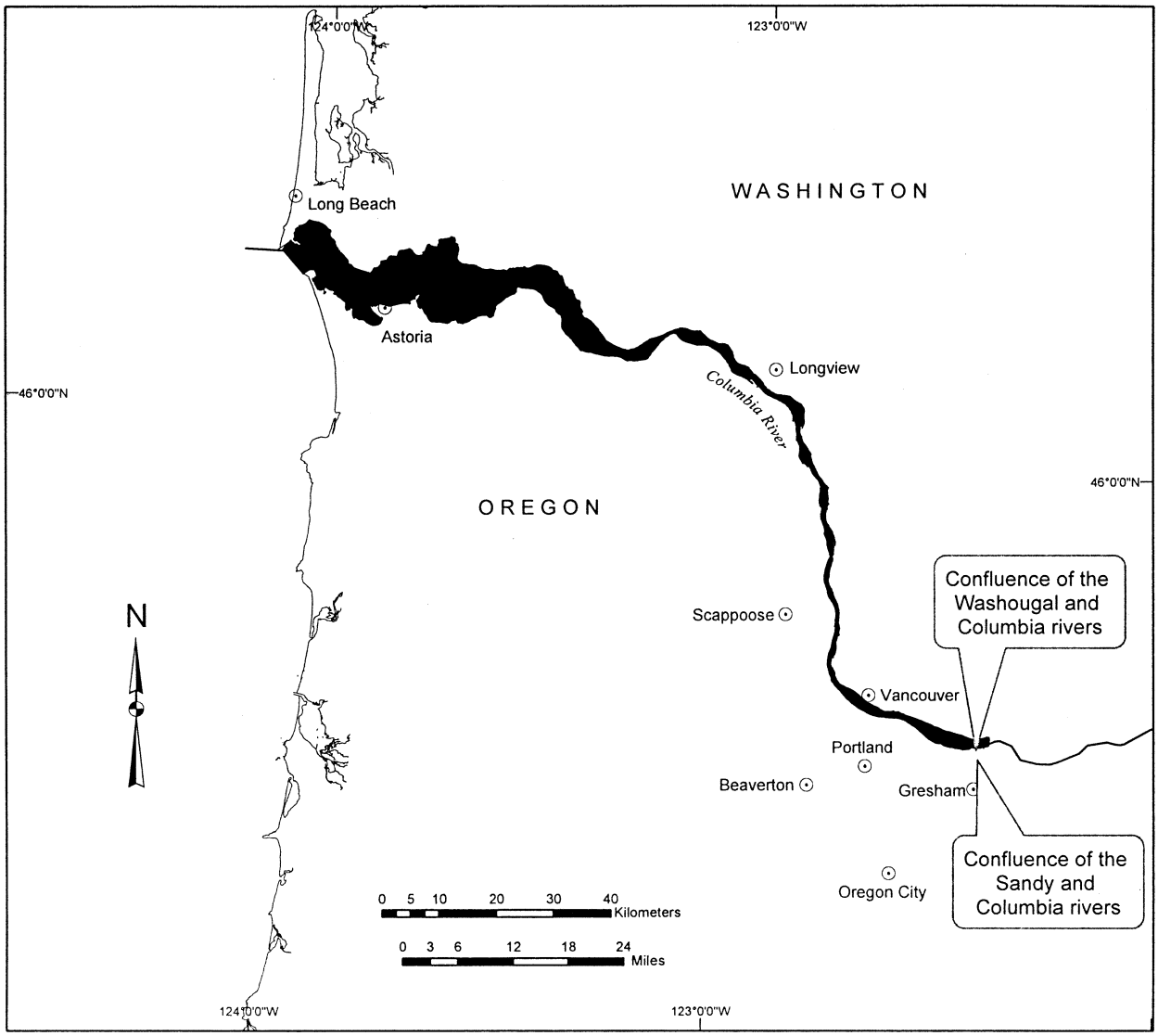

Final Critical Habitat for the
Columbia River Chum Salmon ESU
LEWIS SUBBASIN
17080002
122°30'0"W
122°0'0"W
121°30'0"W
46°0'0"N
N
02
01
03
04
06
05
Cougar
Ariel
Lewis River
Woodland
Chelatchie
Amboy
La Center
Lockwood Cr
Gee Cr
Yacolt
East Fk Lewis R
Ridgefield
WASHINGTON
OREGON
0 5 10 20 30 40 Kilometers
0 4.5 9 18 Miles
Legend
Cities / Towns
State Boundary
Critical Habitat
Subbasin Boundary
Watershed Boundaries
01 - 06 = Watershed code - last 2 digits of 17080002xx
Area of Detail
WASHINGTON
OREGON
IDAHO


Final Critical Habitat for the Columbia River Chum Salmon ESU
LOWER COLUMBIA / CLATSKANIE SUBBASIN 17080003
123°30'0"W
123°0'0"W
122°30'0"W
46°30'0"N
46°0'0"N
WASHINGTON
OREGON
Jim Crow Cr
Eggman Cr
Skamokawa Cr
Wilson Cr
Brooks Sl
Elochoman R
Abernethy Cr
Germany Cr
Columbia R
Kalama R
Burke Sl
Cathlamet
Clatskanie
Longview
Rainier
Saint Helens
01
02
03
04
05
06
N
0 5 10 20 30 40 Kilometers
0 5 10 20 Miles
Legend
Cities / Towns
State Boundary
Critical Habitat
Water Bodies
Subbasin Boundary
Watershed Boundaries
01 - 06 = Watershed code - last 2 digits of 17080003xx
Area of Detail
WASHINGTON
OREGON
IDAHO


Final Critical Habitat for the
Columbia River Chum Salmon ESU
COWLITZ SUBBASIN
17080005
123°0'0"W
122°30'0"W
N
46°30'0"N
46°0'0"N
122°0'0"W
01
02
03
04
05
06
07
07
08
Morton
Winlock
Toledo
Castle Rock
Kelso
Lacamas Cr
Mill Cr
Bear Cr
Cowlitz R
Olequa Cr
Toutle R
N. Fk Toutle R
S. Fk Toutle R
Arkansas Cr
Delameter Cr
Cowlitz R
Mulholland Cr
Coweeman R
Baird Cr
Goble Cr
Owl cr
OREGON
WASHINGTON
0 4 8 16 24 32 Kilometers
0 3.75 7.5 15 Miles
Legend
Cities / Towns
State Boundary
Critical Habitat
Subbasin Boundary
Watershed Boundaries
01 - 08 = Watershed code - last 2 digits of 17080005xx
Area of Detail
WASHINGTON
OREGON
IDAHO


Final Critical Habitat for the
Columbia River Chum Salmon ESU
LOWER COLUMBIA SUBBASIN
17080006
124°0'0"W
123°30'0"W
46°30'0"N
46°0'0"N
WASHINGTON
OREGON
03
02
01
Mitchell Cr
E Fk Grays R
Grays R
Grays River
Fossil Cr
King Cr
Kessel Cr
Rosburg
Campbell Cr
Deep R
Chinook R
Chinook
Megler
Columbia R
Hammond
Asteria
Warrenton
Knappa
Little Cr
Big Cr
N
0 3 6 12 18 24 Kilometers
0 3 6 12 Miles
Legend
Cities / Towns
State Boundary
Critical Habitat
Water Bodies
Subbasin Boundary
Watershed Boundaries
01 - 03 = Watershed code - last 2 digits of 17080006xx
Area of Detail
WASHINGTON
OREGON
IDAHO

Rearing / Migration Corridor for the Columbia River Chum Salmon ESU



Legend

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

Columbia River Chum 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).