

Best Available Science and Information List Thurston County Critical Areas Ordinance Update

July 24, 2012

The following documents represent a partial list of data and best available science. This list is not meant to be exhaustive, and may be added to in the future. This document is intended to provide an index of the science and data that was reviewed and utilized by the Thurston Board of County Commissioners, the Thurston County Planning Commission, and the Thurston County Planning Department in their development of the proposed critical areas ordinance update, from 2003 to present. It is important to note that some of the documents listed below are literature reviews. Literature reviews represent a collection of scientific research, and are intended to provide a summary or synthesis of a given field or topic of scientific study. Literature reviews typically incorporate information from numerous sources.

Because critical areas are often interconnected in the landscape, the scientific information that has been produced often has relevance across multiple categories of critical areas. Staff have attempted to list documents in each category in which they hold relevance, though it is possible that not all documents with relevance in more than one category have been listed as such. In instances where documents are listed in more than one category, a note has been inserted to inform the reader that the document is considered to provide valid information in more than one category of critical area.

The numbering of the documents below corresponds to the digital collection of best available science documents. Digital copies of documents have not been retained where a web URL has been provided below. Digital copies of the remaining documents on the list below are available at the Permit Assistance Center, Building 1, 2nd Floor of the Thurston County Courthouse, 2000 Lakeridge Drive SW, Olympia, WA 98502.

Critical Aquifer Recharge Areas (through December 23, 2011)

1. Ahmed, A., and C. Hempleman. 2006. Tributaries to Totten, Eld, and Little Skookum Inlets: fecal coliform bacteria and temperature total maximum daily load – water quality improvement report. Washington State Department of Ecology, Environmental Assessment and Water Quality Programs. Publication No. 06-03-007.
2. Ahmed, A. 2004. Quality assurance project plan – tributaries to Totten, Eld, and Little Skookum Inlets temperature and fecal coliform bacteria total maximum daily load study. Washington State Department of Ecology, Environmental Assessment Program. Publication No. 04-03-106.
3. Ahmed, A. 2004. Upper Chehalis River fecal coliform bacteria total maximum daily load recommendations. Washington State Department of Ecology, Environmental Assessment Program. Publication No. 04-03-004.

4. Ahmed, A., and D. Rountry. 2004. Upper Chehalis River fecal coliform bacteria total maximum daily load – submittal report. Washington State Department of Ecology. Publication No. 04-10-041.
5. Alley, W.M., T.E. Reilly, and O.L. Franke. 1999. Sustainability of ground-water resources. U.S. Geological Survey Circular 1186.
6. Anderson, P., N. Denslow, J.E. Drewes, A. Olivieri, D. Schlenk, and S. Snyder. 2010. Final report – Monitoring strategies for chemicals of emerging concern (CECs) in recycled water. Recommendations of a science advisory panel. Convened by [California] State Water Resources Control Board.
7. Anderson, P.D. 2008. Technical brief: Trace organic compounds and implications for wastewater treatment. Water Environment Research Foundation.
8. [Australian] Environment Protection and Heritage Council. Australian Guidelines for Water Recycling. Available: <http://www.ephc.gov.au/taxonomy/term/39>.
9. [Australian] Natural Resource Management Ministerial Council, Environment Protection and Heritage Council, and National Health and Medical Research Council. 2008. Australian guidelines for water recycling: managing health and environmental risks (Phase 2). Augmentation of drinking water supplies. National Water Quality Management Strategy.
10. Australian Water Recycling Centre of Excellence. Publication List. Available: <http://www.australianwaterrecycling.com.au/coe/category-1/publications>.
11. Avolio, C.M. 2003. The local impacts of road crossings on Puget lowland creeks: A thesis submitted in partial fulfillment of the requirements for the degree of Master of Science in Civil Engineering, University of Washington.

Note: Document available in Frequently Flooded Areas section.

12. Bailey, G. 2010. Fact sheet: sand and gravel general permit. Washington State Department of Ecology, Water Quality Program.
13. Batts, D., and K. Seiders. 2003. Totten and Eld Inlets clean water projects. Final Report. Washington State Department of Ecology, Environmental Assessment Program, Watershed Ecology Section. Publication No. 03-03-010.
14. Beyerlein, D., and J. Brashcer. Traditional alternatives: Will more detention work? Proceedings of the 1998 Salmon in the City Conference, Mt. Vernon, WA, p. 44.

Note: Document available in Frequently Flooded Areas section.

15. Blackport Hydrogeology, Inc., and Golder Associates. 2006. Applied research on source water protection issues in the aggregate industry – phase I findings. Prepared for The [Canadian] Ministry of Natural Resources, Natural Resources Management Division, Lands and Waters Branch.
16. Booth, D.B. 2000. Forest cover, impervious-surface area, and the mitigation of urbanization impacts in King County, Washington. Prepared for: King County Water and Resources Division.
17. Bradley, P.M. (N.d.) Potential for biodegradation of contaminants of emerging concern in stream systems. Proceedings of the 2008 South Carolina Water Resources Conference, held October 14-15, 2008, Charleston, SC.
18. Brown and Caldwell. 2010. Summary report: groundwater recharge and reclaimed water conveyance alternatives. Prepared for LOTT Alliance, Olympia, WA.
19. Brown and Caldwell. 2004. Hawks Prairie reclaimed water satellite – Final groundwater flow modeling results. Prepared for LOTT Wastewater Alliance, Olympia, WA.
20. California Environmental Protection Agency – State Water Resources Control Board. Recycled Water Policy Documents. Available:
http://www.swrcb.ca.gov/water_issues/programs/water_recycling_policy/.
21. California Ocean Protection Council, California Ocean Science Trust, National Water Research Institute, San Francisco Estuary Institute, Southern California Coastal Water Research Project, and University of California, Irvine – Urban Water Research Center (sponsors). 2009. Workshop report – Managing contaminants of emerging concern in California: developing processes for prioritizing, monitoring, and determining thresholds of concern. April 28-29, 2009, Costa Mesa, California.
22. California State Legislature. 2008. California Code of Regulations – Title 22, Division 4, Chapter 3. Groundwater recharge reuse draft regulation.
23. City of Olympia Public Works Department, City of Tumwater, and Thurston County. 1993. Percival Creek comprehensive drainage basin plan. Available online:
<http://www.co.thurston.wa.us/stormwater/basin/basin-percival.html>.
24. City of Olympia Public Works Department and Thurston County Public Works Department. 1993. Indian/Moxlie Creek comprehensive drainage basin plan. Available online:
<http://www.co.thurston.wa.us/stormwater/basin/basin-indianmoxlie.html>.
25. Clingman, T. 2001. WRIA 13 initial assessment – Henderson Inlet watershed. Thurston County Water and Waste Management.

26. Collyard, S., and M. Von Prause. 2010. Upper Chehalis River watershed multi-parameter total maximum daily load – water quality data review. Washington State Department of Ecology, Environmental Assessment Program. Publication No. 10-03-057.
27. Committee on Hardrock Mining on Federal Lands, Committee on Earth Resources, Board on Earth Sciences and Resources, Commission on Geosciences, Environment, and Resources, and National Research Council. 1999. Hardrock Mining on Federal Lands. National Academy Press, Washington, DC.
28. Coots, R. 1994. Black River wet season nonpoint source total maximum daily load study. Washington State Department of Ecology, Environmental Investigations and Laboratory Services Program, Watershed Assessments Section. Publication No. 94-104.
29. Cook, A., B. Devine, C. Rodriguez, D. Roser, S. Khan, N. McGuinness, N. Ashbolt, and P. Weinstein. (N.d.) Assessing the public health impacts of recycled water use – Interim report 1. Government of Western Australia Department of Water, Western Australia Premier’s Water Foundation.
30. Cook, K.V. 2000. Guidance document for the establishment of critical aquifer recharge area ordinances. Washington State Department of Ecology, Water Quality Program. Publication No. 97-30. Version 4.0.
31. Cupps, K., T. Gaffney, K. Emmett, J. McCauley, L. Coleman, and L. Geller. 2009. Implementation of reclaimed water use. 2008 report to the Governor and State Legislature. Washington State Department of Ecology. Publication No. 08-10-098.
32. Daughton, C.G., and T.A. Ternes. 1999. Pharmaceuticals and personal care products in the environment: agents of subtle change? *Environmental Health Perspectives*. 107(6): 907-44.
33. Dicks, B. 2009. McAllister Creek fecal coliform bacteria monitoring: summer 2009. Washington State Department of Ecology, Water Quality Program. Publication No. 09-10-094.
34. Dicks, B. 2009. Medicine Creek water quality monitoring for fecal coliform bacteria and nitrate + nitrite-nitrogen. Washington State Department of Ecology, Water Quality Program. Publication No. 09-10-083.
35. Dicks, B. 2009. Upper Kennedy Creek fecal coliform bacteria investigation, 2008-2009. Washington State Department of Ecology, Water Quality Program. Publication No. 09-10-098.

36. Dikes, B. 2008. Kennedy Creek fecal coliform bacteria water quality monitoring study. Washington State Department of Ecology, Water Quality Program. Publication No. 08-10-085.
37. Dikes, B. 2008. Pierre Creek and Burns Creek fecal coliform bacteria water quality monitoring study. Washington State Department of Ecology, Water Quality Program. Publication No. 08-10-060.
38. Dikes, B. 2007. Quality assurance project plan – McAllister Creek source identification: water quality monitoring for fecal coliform bacteria and nitrate+nitrite-N in Medicine Creek. Washington State Department of Ecology, Water Quality Program. Publication No. 07-10-105.
39. Dikes, B. 2007. Quality assurance project plan – water quality monitoring for fecal coliform bacteria in Kennedy Creek. Washington State Department of Ecology, Water Quality Program. Publication No. 07-10-059.
40. Dikes, B. 2007. Quality assurance project plan – water quality monitoring for fecal coliform bacteria in Pierre Creek and Burns Creek. Washington State Department of Ecology, Water Quality Program. Publication No. 07-10-036.
41. Dissmeyer, G.E. 2000. Drinking water from forests and grasslands. United States Department of Agriculture, United States Forest Service. General Technical Report SRS-39.
42. Dobbs, D.A. (ed.). 1998. Issues in potable reuse: the viability of augmenting drinking water supplies with reclaimed water. Committee to Evaluate the Viability of Augmenting Potable Water Supplies With Reclaimed Water, Water Science and Technology Board, Commission on Geosciences, Environment, and Resources, National Research Council.
43. EnviroVision Corporation, Herrera Environmental Consultants, Inc., Washington Department of Ecology. 2008. Control of toxic chemicals in Puget Sound. Phase 2: Improved estimates of toxic chemical loadings to Puget Sound from surface runoff and roadways. Ecology Publication Number 08-10-084. Olympia, Washington.
44. Focazio, M.J., T.E. Reilly, M.G. Rupert, and D.R. Helsel. 2002. Assessing ground-water vulnerability to contamination: providing scientifically defensible information for decision makers. U.S. Geological Survey Circular 1224. U.S. Department of the Interior, U.S. Geological Survey.
45. Foster, S., R. Hirata, D. Gomes, M. D’Elia, and M. Paris. 2002. Groundwater quality protection: a guide for water utilities, municipal authorities, and environment agencies. The World Bank.

46. Gandy, C.J., P.L. Younger, J. Henstock, and T. Gill. 2004. The hydrogeological behaviour of flooded sand and gravel pits and its implications for the functioning of the enclosing aquifers. Mineral Industry Sustainable Technology Programme. Hydrogeochemical Engineering Research and Outreach, University of Newcastle Upon Tyne, UK.
47. Government of Western Australia, Department of Water. Managed aquifer recharge policy. Available:
<http://www.water.wa.gov.au/Managing+water/Managed+aquifer+recharge/default.aspx>.
48. Green, J.A., J.A. Pavlish, R.G. Merritt, and J.L. Leete. 2005. Hydraulic impacts of quarries and gravel pits. Minnesota Department of Natural Resources, Division of Waters. Prepared for the Legislative Commission on Minnesota Resources.
49. Green, J.A., and J.A. Pavlish. N.d. LCMR [Legislative Commission on Minnesota Resources] study of the hydraulic impacts of limestone quarries and gravel pits. Powerpoint presentation. Minnesota Department of Natural Resources, Division of Waters.
50. Ground Water Protection Council. 2007. Ground water report to the nation: a call to action.
51. Guo, Y.C., S.W. Krasner, S. Fitzsimmons, G. Woodside, and N. Yamachika (Principal Investigators). 2010. Source, fate, and transport of endocrine disruptors, pharmaceuticals, and personal care products in drinking water sources in California. National Water Research Institute Final Project Report.
52. Hancock, P.J. 2002. Human impacts on the stream-groundwater exchange zone. *Environmental Management*. 29(6): 763-81.
53. Hart Crowser, Inc., Washington Department of Ecology, U.S. Environmental Protection Agency, and Puget Sound Partnership. 2007. Control of toxic chemicals in Puget Sound. Phase 1: Initial estimate of toxic chemical loadings to Puget Sound. Ecology Publication Number 07-10-079. Olympia, Washington.
54. Hempleman, C. 2008. Henderson Inlet watershed fecal coliform water quality implementation plan – total maximum daily load (TMDL). Developed by Henderson Inlet Watershed Technical Advisory Group. Washington State Department of Ecology, Water Quality Program. Publication No. 08-10-040.
55. Hempleman, C. 2007. Tributaries to Totten, Eld, and Little Skookum Inlets fecal coliform bacteria and temperature total maximum daily load – water quality implementation plan. Developed by the Technical Advisory Group for the Totten, Eld, and Little Skookum TMDL. Washington State Department of Ecology, Water Quality Program. Publication No. 07-10-071.

56. Hempleman, C. 2006. Henderson Inlet watershed fecal coliform bacteria, dissolved oxygen, temperature, and pH total maximum daily load – water quality improvement report implementation strategy, Vol. II. Washington State Department of Ecology, Water Quality Program. Publication No. 06-10-058.
57. Hempleman, C., and D. Sargeant. 2005. Nisqually watershed bacteria and dissolved oxygen total maximum daily load (water cleanup plan) – submittal report. Washington State Department of Ecology, Water Quality and Environmental Assessment Programs. Publication No. 05-10-040.
58. Horner, R.R., and C.W. May. 1999. Regional study supports natural land cover protection as leading best management practice for maintaining stream ecological integrity. In: Comprehensive Stormwater and Aquatic Ecosystem Management, Conference Papers. New Zealand Water and Wastes Association, pp. 233-247.

Note: Document available in Frequently Flooded Areas section.

59. Horsley Witten Group, Inc., and Evergreen Rural Water of Washington. N.d. Water supply protection for rural communities in Washington State – A toolkit for local government officials. Created under contract with the Washington State Department of Health. Available at:
<http://www.horsleywitten.com/evergreen/index.html>.
60. James, C.M. 2007. Nisqually River basin fecal coliform bacteria and dissolved oxygen total maximum daily load – water quality implementation plan. Washington State Department of Ecology, Water Quality Program. Publication No. 07-10-016.
61. Jennings, K., and P. Pickett. 2000. Revised upper Chehalis River basin dissolved oxygen total maximum daily load – submittal report. Washington State Department of Ecology, Water Quality Program. Publication No. 00-10-018.
62. Johnson, L.L., D.P. Lomax, M.S. Myers, O.P. Olson, S.Y. Sol, S.M. O’Neill, J. West, and T.K. Collier. 2008. Xenoestrogen exposure and effects in English sole (*Paraphrys vetulus*) from Puget Sound, WA. *Aquatic Toxicology*. 88: 29-38.
63. Karr, C. 2011. Addressing environmental contaminants in pediatric practice. *Pediatrics in Review*. 32(5): 190-200.
64. Kennedy/Jenks Consultants. 2010. Recycled water white paper (Draft). Opportunities and limitations for recycled water use. Santa Cruz Water Department and Soquel Creek Water District.
65. Khan, S.J. 2010. Quantitative chemical exposure assessment for water recycling schemes. Australian Government National Water Commission. Waterlines Report Series No 27, March 2010.

66. Kidd, K.A., P.J. Blanchfield, K.H. Mills, V.P. Palace, R.E. Evans, J.M. Lazorchak, and R.W. Flick. 2007. Collapse of a fish population after exposure to a synthetic estrogen. *Proceedings of the National Academy of Sciences*. 104(21): 8897-901.
67. Killelea, J. 2005. Fact sheet: sand and gravel general permit. Washington State Department of Ecology, Water Quality Program.
68. Kimsey, M.B. 2005. Implementation guidance for the ground water quality standards. Washington State Department of Ecology Publication No. 96-02.
69. King County, Washington. 2004. Best available science – Volume I: A review of scientific literature. King County Executive Report. Critical areas, stormwater, and clearing and grading proposed ordinances. King County Department of Natural Resources and Parks, Water and Land Resources Division, Department of Development and Environmental Services, Department of Transportation.
70. Knutson, K.L., and V.L. Naef. 1997. Management recommendations for Washington's priority habitats: riparian. Washington Department of Fish and Wildlife.

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71. Kondolf, G.M., M. Smeltzer, and L. Kimball. 2002. Freshwater gravel mining and dredging issues. Center for Environmental Design Research, University of California. Prepared for Washington Department of Fish and Wildlife, Washington Department of Ecology, and Washington Department of Transportation.
72. Kondolf, G.M. 1997. Hungry water: effects of dams and gravel mining on river channels. *Environmental Management*. 21(4): 533-51.
73. Kullman, S.W., K.G. Linden, and D.E. Hinton. 2007. Towards an innovative DNA array technology for detection of pharmaceuticals in reclaimed water. Water Environment Research Foundation, Awwa Research Foundation, National Water Research Institute, WateReuse, and California Urban Water Agencies. 01-HHE-21T.
74. Lubliner, B., M. Redding, and D. Ragsdale, 2010. Control of toxic chemicals in Puget Sound – pharmaceuticals and personal care products in municipal wastewater and their removal by nutrient treatment technologies. Washington State Department of Ecology, Olympia, WA. Publication Number 10-03-004.
75. May, C.W., R.R. Horner, J.R. Karr, B.W. Mar, and E.B. Welch. 1997. Cumulative effects of urbanization on small streams in the Puget Sound lowland ecoregion. University of Washington, Seattle, Washington.

76. McCauley, J. 2011. Reclaimed water facilities manual – the purple book (Draft). Washington State Department of Ecology, Washington State Department of Health.
77. Mead, R. 1995. The direct and cumulative effects of gravel mining on groundwater with Thurston County, Washington. Thurston County Public Health and Social Services Department, Environmental Health Division, Groundwater Management Program.
78. Mehinto, A.C., E.M. Hill, and C.R. Tyler. 2010. Concentrations of the nonsteroidal anti-inflammatory pharmaceutical diclofenac in rainbow trout (*Oncorhynchus mykiss*). *Environmental Science & Technology*. 44(6): 2176-82.
79. Morgan, L. 2005. Critical aquifer recharge areas – guidance document. Washington State Department of Ecology Publication No. 05-10-028.
80. Muldoon, M., and J. Payton. 1993. Determining wellhead protection boundaries – an introduction. Wisconsin Department of Natural Resources. Publ WR313-92.
81. National Water Research Institute. Constituents of Emerging Concern. Available: <http://www.nwri-usa.org/CECs.htm>.
82. New York Water Environment Association, Inc. Clearwaters (Winter 2000 – Vol. 30, No. 4). Metal finishing wastes: why are we concerned? Available: <http://www.nywea.org/clearwaters/pre02fall/304090.html#nyw47>.
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84. Norman, D.K., C.J. Cederholm, W.S. Lingley, Jr. 1998. Flood plains, salmon habitat, and sand and gravel mining. *Washington Geology*. Vol. 26, No. 2/3: 3-20.
85. Pacific Groundwater Group. 2010. Woodland Creek reclaimed water infiltration facility analyses final report. Prepared for City of Lacey.
86. Pacific Groundwater Group. 2001. Salmon Creek drainage basin conceptual hydrologic model. Prepared for URS Corp and Thurston County Water and Waste Management. Available online: <http://www.co.thurston.wa.us/stormwater/basin/basin-salmon1.html>.
87. Pacific Northwest Pollution Prevention Resource Center. 1995. Pollution Prevention in Metal Finishing: Plating. A Northwest Industry Roundtable Report. Available: http://www.pprc.org/pubs/metalfin/rt_toc.html.
88. Pickett, P.J. 1994. Black River dry season dissolved oxygen and phosphorus total maximum daily load study. Washington State Department of Ecology, Environmental Investigations and Laboratory Services Program, Watershed Assessments Section. Publication No. 94-106.

89. Pickett, P.J. 1994. Upper Chehalis River total maximum daily load study. Washington State Department of Ecology, Environmental Investigations and Laboratory Services Program, Watershed Assessments Section. Publication No. 94-126.
90. Pitz, C.F. 2011. Control of toxic chemicals in Puget Sound – evaluation of loading of toxic chemicals to Puget Sound by direct groundwater discharge. Washington State Department of Ecology Publication No. 11-03-023.
91. Prisløe, S., Y. Lei, and J. Hurd. 2001. Interactive GIS-based impervious surface model. American Society of Photogrammetry and Remote Sensing Annual Convention, St. Louis, Missouri.

Note: Document available in Frequently Flooded Areas section.

92. Roberts, M., A. Ahmed, and G. Pelletier. 2008. Deschutes River, Capitol Lake, and Budd Inlet temperature, fecal coliform bacteria, dissolved oxygen, pH, and fine sediment total maximum daily load – water quality study findings. External review draft. Washington State Department of Ecology, Environmental Assessment Program. Publication No. 09-03-0xx.
93. Roberts, M., and G. Pelletier. 2007. Interim results from the Budd Inlet, Capitol Lake, and Deschutes River dissolved oxygen and nutrient study. Washington State Department of Ecology, Environmental Assessment Program.
94. Roberts, M., B. Zalewsky, T. Swanson, L. Sullivan, K. Sinclair, and M. LeMoine. 2004. Quality assurance project plan – Deschutes River, Capitol Lake, and Budd Inlet temperature, fecal coliform bacteria, dissolved oxygen, pH, and fine sediment total maximum daily load study. Washington State Department of Ecology, Environmental Assessment Program. Publication No. 04-03-103.
95. Rogan, W.J., and N.B. Ragan. Evidence of effects of environmental chemicals on the endocrine system in children. *Pediatrics*. 112(1): 247-52.
96. Rountry, D., lead author. 2004. The Chehalis/Grays Harbor watershed dissolved oxygen (DO), temperature, and fecal coliform bacteria TMDL – detailed implementation (cleanup) plan. Washington State Department of Ecology, Water Quality Program. Developed in collaboration with the Chehalis Basin Partnership's Water Quality Committee. Publication No. 04-10-065.
97. Sargeant, D., B. Carey, L.G., L.H.G., M. Roberts, and S. Brock. 2006. Henderson Inlet watershed fecal coliform bacteria, dissolved oxygen, pH, and temperature total maximum daily load study. Washington State Department of Ecology, Environmental Assessment Program. Publication No. 06-03-012.

98. Sargeant, D., M. Roberts, and B. Carey. 2005. Nisqually River basin fecal coliform bacteria and dissolved oxygen total maximum daily load study. Washington State Department of Ecology, Environmental Assessment Program. Publication No. 05-03-002.
99. Sargeant, D., M. Roberts, and B. Carey, L.G., L.H.G. 2003. Quality assurance project plan – Henderson and Nisqually TMDL study. Washington State Department of Ecology, Environmental Assessment Program. Publication No. 03-03-100.
100. Sinclair, K., and D. Bilhimer. 2007. Assessment of surface water/groundwater interactions and associated nutrient fluxes in the Deschutes River and Percival Creek watersheds, Thurston County. Washington State Department of Ecology, Watershed Ecology Section, Environmental Assessment Program. Publication No. 07-03-002.
101. Schlenk, D., D.E. Hinton, and G. Woodside. 2007. Online methods for evaluating the safety of reclaimed water. Water Environment Research Foundation. 01-HHE-4A.
102. Snyder, S.A., R.A. Trenholm, E.M. Snyder, G.M. Bruce, R.C. Pleus, and J.D.C. Hemming. 2008. Toxicological relevance of EDCs and pharmaceuticals in drinking water. Awwa Research Foundation, WateReuse Foundation, and California Urban Water Agencies.
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104. Spence, B. C., G. A. Lomnický, R. M. Hughes, and R. P. Novitzki. 1996. An ecosystem approach to salmonid conservation. TR-4501-96-6057. ManTech Environmental Research Services Corp., Corvallis, OR.

Note: Document available in Wetlands section.

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107. Thurston County. Environmental Health Code. Articles III-VI, as amended.
108. Thurston County and City of Olympia. 1998. Green Cove Creek comprehensive drainage basin plan. Available online: <http://www.co.thurston.wa.us/stormwater/basin/basin-greencove.html>.

109. Thurston County Department of Water and Waste Management, Storm and Surface Water Utility. 2005. Woodland and Woodard Creek comprehensive drainage basin plan. Available online: <http://www.co.thurston.wa.us/stormwater/basin/basin-woodland.html>.
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 113. Thurston County Public Health and Social Services Department, Environmental Health Division. 2008. On-site sewage system management plan.
 114. Thurston County Public Health and Social Services Department, Environmental Health Division, Resource Protection Section; and Thurston County Department of Waste and Water Management. 2002. 2001 Deschutes groundwater inflow survey – Deschutes River, Thurston County, Washington.
 115. Thurston County Resource Stewardship Department. N.d. Environmental Monitoring Program webpage. Available online: <http://www.co.thurston.wa.us/monitoring/>.
- Staff Note: This website includes various monitoring information and data on environmental conditions, including precipitation data and stream flows.*
116. Thurston County Storm and Surface Water Program. 1995. Chambers/Ward/Hewitt comprehensive drainage basin plan. Available online: <http://www.co.thurston.wa.us/stormwater/basin/basin-chambers.html>.
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Note: Document available in Frequently Flooded Areas section.

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121. U.S. Environmental Protection Agency. 2010. Source water protection practices bulletin: managing stormwater runoff to prevent contamination of drinking water. Office of Water.
122. U.S. Environmental Protection Agency. 2009. Occurrence of contaminants of emerging concern in wastewater from nine publicly owned treatment works. Office of Water (4303T). EPA-821-R-09-009.
123. U.S. Environmental Protection Agency. 2007. Method 1694: Pharmaceuticals and personal care products in water, soil, sediment, and biosolids by HPLC/MS/MS. Office of Water, Office of Science and Technology, Engineering and Analysis Division (4303T). EPA-821-R-08-002.
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129. U.S. Environmental Protection Agency. 2001. Source water protection practices bulletin: managing septic systems to prevent drinking water contamination of drinking water. Office of Water. EPA 816-F-01-021.
130. U.S. Environmental Protection Agency. 2001. Source water protection practices bulletin: managing small-scale application of pesticides to prevent contamination of drinking water. Office of Water. EPA 816-F-01-031.
131. U.S. Environmental Protection Agency. 2001. Source water protection practices bulletin: managing turfgrass and garden fertilizer application to prevent contamination of drinking water. Office of Water. EPA 816-F-01-029.
132. U.S. Environmental Protection Agency. 2001. Source water protection practices bulletin: managing underground storage tanks to prevent contamination of drinking water. Office of Water. EPA-816-F-01-023.
133. U.S. Environmental Protection Agency. 2001. Source water protection practices bulletin: managing vehicle washing to prevent contamination of drinking water. Office of Water. EPA 816-F-01-024.
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135. U.S. Environmental Protection Agency. 1995. EPA Office of Compliance Sector Notebook Project: Profile of the fabricated metal products industry. Office of Enforcement and Compliance Assurance. EPA/310-R-95-007.
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137. U.S. Environmental Protection Agency. Bibliographic Database of Publications Relevant to Pharmaceuticals and Personal Care Products. Available: <http://www.epa.gov/ppcp/pdf/Main-PPCPs-DB.pdf>.
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Bush, Jodi L.
Manager, Division of Listing and Recovery
Western Washington Fish and Wildlife Office
U.S. Fish and Wildlife Service
510 Desmond Dr. SE, Suite 102
Lacey, WA 98503
2009 - 2012

Chappell, Chris
Vegetation Ecologist
Washington Department of Natural Resources
Washington National Heritage Program
Olympia, WA
2004-2005

Hays, Dave
Ecological Restoration Specialist
Washington Department of Fish and Wildlife
600 Capitol Way N.
Olympia, WA 98501-1091
2009 - 2012

Knight, Katie
Environmental Planner
Washington Department of Fish and Wildlife
Puget Sound and Olympic Peninsula
Olympia, WA
2009 - 2011

McAllister, Kelly
Biologist
Washington Department of Fish and Wildlife
Olympia, WA
2004-2005

Pearson, Scott
Biologist
Washington Department of Natural Resources
Washington National Heritage Program
Olympia, WA
2004-2005

Thomas, Ted
Senior Ecologist
Division of Listing and Recovery
Washington Fish and Wildlife Office
U.S. Fish and Wildlife Service
510 Desmond Drive SE, Suite 102
Lacey, WA 98503
2009 - 2011

Tirhi, Michelle
District Biologist
Pierce and Thurston County
Washington Department of Fish and Wildlife
25644 44th Ave. S.
Kent, WA 98032
2009 - 2012

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