



State of Oregon  
Department of  
Environmental  
Quality

# State of Oregon Department of Environmental Quality Technical Information and Factsheets for Water Quality

**PLEASE NOTE:** This document provides Internet URL Addresses as a convenience for users. All URL Addresses were functional at the time of the last update (July 2020). The list with active links is located at <http://www.oregon.gov/deq/wq/programs/Pages/DWP-Pubs.aspx>. See “A Summary of Technical Assistance Resources”

<b>General Water Quality Information</b>	
Handbook for Developing Watershed Plans to Restore and Protect Our Waters (EPA)	<a href="https://www.epa.gov/polluted-runoff-nonpoint-source-pollution/handbook-developing-watershed-plans-restore-and-protect">https://www.epa.gov/polluted-runoff-nonpoint-source-pollution/handbook-developing-watershed-plans-restore-and-protect</a>
Water Quality Model Code and Guidebook (DLCD)	<a href="https://www.oregon.gov/deq/FilterDocs/WQModCodeGuide.pdf">https://www.oregon.gov/deq/FilterDocs/WQModCodeGuide.pdf</a>
DEQ Toxics Reduction Strategy	<a href="https://www.oregon.gov/deq/Hazards-and-Cleanup/ToxicReduction/Pages/Reducing-Toxics.aspx">https://www.oregon.gov/deq/Hazards-and-Cleanup/ToxicReduction/Pages/Reducing-Toxics.aspx</a>
Oregon’s Groundwater Protection Program – who does what? (DEQ)	<a href="https://www.oregon.gov/DEQ/wq/programs/Pages/GWP-about.aspx">https://www.oregon.gov/DEQ/wq/programs/Pages/GWP-about.aspx</a>
Groundwater Basics for Drinking Water Protection (DEQ)	<a href="https://www.oregon.gov/deq/FilterDocs/dwpGwBasics.pdf">https://www.oregon.gov/deq/FilterDocs/dwpGwBasics.pdf</a>
Protecting Oregon's Groundwater from Contamination (OSU)	<a href="https://wellwater.oregonstate.edu/protecting-groundwater">https://wellwater.oregonstate.edu/protecting-groundwater</a>
Oregon Climate Change Research Institute	<a href="http://occri.net/">http://occri.net/</a>
Climate Impacts in the Northwest (EPA)	<a href="https://19january2017snapshot.epa.gov/climate-impacts/climate-impacts-northwest_.html">https://19january2017snapshot.epa.gov/climate-impacts/climate-impacts-northwest_.html</a>
Climate science, data, tools, and information (NOAA)	<a href="http://www.noaa.gov/climate.html">http://www.noaa.gov/climate.html</a>
Harmful Algae Blooms (OHA) - Cyanotoxin Resources for Drinking Water	<a href="https://www.oregon.gov/oha/PH/HealthyEnvironments/DrinkingWater/Operations/Treatment/Pages/algae.aspx">https://www.oregon.gov/oha/PH/HealthyEnvironments/DrinkingWater/Operations/Treatment/Pages/algae.aspx</a>
Harmful Algae Blooms (OHA) FAQs, guidelines for lake managers and outreach materials	<a href="https://public.health.oregon.gov/HealthyEnvironments/Recreation/HarmfulAlgaeBlooms/Pages/index.aspx">https://public.health.oregon.gov/HealthyEnvironments/Recreation/HarmfulAlgaeBlooms/Pages/index.aspx</a>
Harmful Algal Blooms (DEQ) - agency strategy, actions to control/eliminate & prevention	<a href="https://www.oregon.gov/DEQ/wq/Pages/Harmful-Algal-Blooms.aspx">https://www.oregon.gov/DEQ/wq/Pages/Harmful-Algal-Blooms.aspx</a>
<b>Residential Areas, Parks and Golf Courses</b>	
Domestic Well Safety Program (OHA) Resources/ contacts for domestic/private wells	<a href="http://public.health.oregon.gov/HealthyEnvironments/DrinkingWater/SourceWater/DomesticWellSafety/Pages/index.aspx">http://public.health.oregon.gov/HealthyEnvironments/DrinkingWater/SourceWater/DomesticWellSafety/Pages/index.aspx</a>
Well Water Program (OSU)- tech. assistance for domestic/private wells & septic systems	<a href="http://wellwater.oregonstate.edu/">http://wellwater.oregonstate.edu/</a>
Oregon's Domestic Well Testing Program for Real Estate Transactions	<a href="http://public.health.oregon.gov/HealthyEnvironments/DrinkingWater/SourceWater/DomesticWellSafety/Pages/Testing-Regulations.aspx">http://public.health.oregon.gov/HealthyEnvironments/DrinkingWater/SourceWater/DomesticWellSafety/Pages/Testing-Regulations.aspx</a>
Household Hazardous Waste Program website (DEQ)	<a href="https://www.oregon.gov/DEQ/Hazards-and-Cleanup/hw/Pages/hhw.aspx">https://www.oregon.gov/DEQ/Hazards-and-Cleanup/hw/Pages/hhw.aspx</a>
Household Hazardous Waste - locally-sponsored and county collection programs	<a href="https://www.oregon.gov/deq/Hazards-and-Cleanup/hw/Pages/HHW-Events.aspx">https://www.oregon.gov/deq/Hazards-and-Cleanup/hw/Pages/HHW-Events.aspx</a> and <a href="https://www.oregon.gov/DEQ/Hazards-and-Cleanup/hw/Pages/HHW-by-County.aspx">https://www.oregon.gov/DEQ/Hazards-and-Cleanup/hw/Pages/HHW-by-County.aspx</a>

<b>Residential Areas, Parks and Golf Courses (cont.)</b>	
Household Pharmaceutical Waste Disposal (OHA)	<a href="https://public.health.oregon.gov/HealthyEnvironments/DrinkingWater/SourceWater/Pages/takeback.aspx">https://public.health.oregon.gov/HealthyEnvironments/DrinkingWater/SourceWater/Pages/takeback.aspx</a>
Household Hazardous Wastes (EPA)	<a href="https://www.epa.gov/hw/household-hazardous-waste-hhw">https://www.epa.gov/hw/household-hazardous-waste-hhw</a>
Recycle Used Motor Oil Resources (EPA)	<a href="https://www.epa.gov/recycle/managing-reusing-and-recycling-used-oil">https://www.epa.gov/recycle/managing-reusing-and-recycling-used-oil</a>
Frequently Asked Questions About Heating Oil Tanks (DEQ)	<a href="https://www.oregon.gov/DEQ/tanks/Pages/hot.aspx">https://www.oregon.gov/DEQ/tanks/Pages/hot.aspx</a>
Proper Care/Maintenance of Heating Oil and Other Unregulated Tank Systems	<a href="https://www.oregon.gov/deq/FilterDocs/ProperCareMaintenance.pdf">https://www.oregon.gov/deq/FilterDocs/ProperCareMaintenance.pdf</a>
Oregon resources for on-site septic systems (DEQ)	<a href="https://www.oregon.gov/deq/Residential/Pages/Septic-Smart.aspx">https://www.oregon.gov/deq/Residential/Pages/Septic-Smart.aspx</a>
Oregon's Onsite Wastewater Management Program (Septic Systems) (DEQ)	<a href="https://www.oregon.gov/DEQ/Residential/Pages/Onsite.aspx">https://www.oregon.gov/DEQ/Residential/Pages/Onsite.aspx</a>
Local Outreach Toolkit for Septic Systems (EPA)	<a href="https://www.epa.gov/septic/septic-systems-outreach-toolkit">https://www.epa.gov/septic/septic-systems-outreach-toolkit</a>
A Homeowners Guide to Septic Systems (EPA)	<a href="https://www3.epa.gov/npdes/pubs/homeowner_guide_long.pdf">https://www3.epa.gov/npdes/pubs/homeowner_guide_long.pdf</a> (long version) <a href="https://www3.epa.gov/npdes/pubs/homeowner_guide_short.pdf">https://www3.epa.gov/npdes/pubs/homeowner_guide_short.pdf</a> (short version)
Septic Tank Maintenance (DEQ)	<a href="https://www.oregon.gov/deq/FilterDocs/septic_tank_maint_FS.pdf">https://www.oregon.gov/deq/FilterDocs/septic_tank_maint_FS.pdf</a>
Septic Systems OSU Extension website (OSU)	<a href="https://wellwater.oregonstate.edu/septic-systems-0">https://wellwater.oregonstate.edu/septic-systems-0</a>
Combating Illegal Dumping (DEQ)	<a href="https://www.oregon.gov/DEQ/mm/Pages/Illegal-Dumping.aspx">https://www.oregon.gov/DEQ/mm/Pages/Illegal-Dumping.aspx</a> and <a href="https://www.oregon.gov/DEQ/mm/Pages/Illegal-Dumping-Clean-Up.aspx">https://www.oregon.gov/DEQ/mm/Pages/Illegal-Dumping-Clean-Up.aspx</a>
Water Well Owner's Handbook & other related guidance documents (WRD)	<a href="https://www.oregon.gov/OWRD/WRDPublications1/Well_Water_Handbook.pdf">https://www.oregon.gov/OWRD/WRDPublications1/Well_Water_Handbook.pdf</a>
Oregon Water Resources Department	<a href="http://egov.oregon.gov/OWRD/">http://egov.oregon.gov/OWRD/</a>
Disposal of Chlorinated Water from Swimming Pools and Hot Tubs (DEQ)	<a href="https://www.oregon.gov/deq/FilterDocs/bmpchlorwaterdisp.pdf">https://www.oregon.gov/deq/FilterDocs/bmpchlorwaterdisp.pdf</a>
Source Water Protection Publications (EPA) for managing various including: Septic Systems Turfgrass and Garden Fertilizer Application Small-Scale Application of Pesticides Small Quantity Chemical Use Pet and Wildlife Waste Storm Water Runoff	<a href="https://www.oregon.gov/DEQ/wq/programs/Pages/DWP-Pubs.aspx">https://www.oregon.gov/DEQ/wq/programs/Pages/DWP-Pubs.aspx</a> (see EPA Source Water Protection Practices Bulletins)
Integrated Plant Protection Center (OSU)	<a href="http://ipmnet.org/">http://ipmnet.org/</a>
National Pesticide Information Center	<a href="http://npic.orst.edu/">http://npic.orst.edu/</a>
Integrated Pest Management and Pesticide Safety for Schools (OSU)	<a href="http://blogs.oregonstate.edu/schoolipm/sample-page/">http://blogs.oregonstate.edu/schoolipm/sample-page/</a>
Golf Course Integrated Pest Management (IPM) tool and BMP Generator, and certifications	<a href="http://www.greengolfusa.com/tiki-index.php">http://www.greengolfusa.com/tiki-index.php</a> <a href="https://auduboninternational.org/acsp-for-golf/">https://auduboninternational.org/acsp-for-golf/</a> or <a href="https://www.groundwater.org/action/community/green-sites.html">https://www.groundwater.org/action/community/green-sites.html</a>
EcoBiz Certified Landscapers and Auto Repair Shops	<a href="http://ecobiz.org/find-an-ecobiz/">http://ecobiz.org/find-an-ecobiz/</a>

<b>Agriculture / Forestry Land Uses</b>	
Tips for Small Acreages in Oregon (NRCS) - Fact Sheets on wells, septic systems, animals, crops, weeds, streamside erosion protection. Includes specific factsheets for Eastern and Western Oregon.	<a href="https://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/people/?cid=telprdb1249066">https://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/people/?cid=telprdb1249066</a>
Source Water Protection Pubs (EPA) for managing various activities including: Agricultural Fertilizer Application Large-Scale and Small-Scale Application of Pesticides Livestock, Poultry and Horse Waste Above Ground and Underground Storage Tanks Small Quantity Chemical Use Turfgrass and Garden Fertilizer Application	<a href="https://www.oregon.gov/DEQ/wq/programs/Pages/DWP-Pubs.aspx">https://www.oregon.gov/DEQ/wq/programs/Pages/DWP-Pubs.aspx</a> (see EPA Source Water Protection Practices Bulletins)
Oregon Small Farms (OSU Extension) Information on Crops, Grains, Livestock, Pastures, and Soils (see tabs at top of page for multiple resources)	<a href="http://smallfarms.oregonstate.edu/">http://smallfarms.oregonstate.edu/</a>
Oregon Pesticide Stewardship Partnerships and Waste Pesticide Collection Events	<a href="http://www.oregon.gov/oda/programs/pesticides/water/pages/pesticidestewardship.aspx">http://www.oregon.gov/oda/programs/pesticides/water/pages/pesticidestewardship.aspx</a>
Managing Waste Pesticide (DEQ)	<a href="https://www.oregon.gov/DEQ/Hazards-and-Cleanup/hw/Pages/Miscellaneous-Industries.aspx">https://www.oregon.gov/DEQ/Hazards-and-Cleanup/hw/Pages/Miscellaneous-Industries.aspx</a>
Oregon Department of Agriculture (ODA) – resources for reducing impacts	<a href="http://www.oregon.gov/oda/Pages/default.aspx">http://www.oregon.gov/oda/Pages/default.aspx</a>
Soil and Water Conservation Districts (OACD) – technical assistance for rural landowners, family forests and growers	<a href="http://oacd.org/conservation-districts/directory">http://oacd.org/conservation-districts/directory</a>
Natural Resources Conservation Service, Oregon (NRCS)	<a href="http://www.or.nrcs.usda.gov/">http://www.or.nrcs.usda.gov/</a>
NRCS Financial Assistance Programs	<a href="http://www.nrcs.usda.gov/wps/portal/nrcs/main/or/programs/financial/">http://www.nrcs.usda.gov/wps/portal/nrcs/main/or/programs/financial/</a>
Oregon Department of Fish and Wildlife Hatchery Information (ODFW)	<a href="http://www.dfw.state.or.us/fish/hatchery/">http://www.dfw.state.or.us/fish/hatchery/</a>
Animal Care and Handling Facilities (from California stormwater program)	<a href="https://www.casqa.org/sites/default/files/BMPHandbooks/BMP_IndComm_Appendix_D.pdf">https://www.casqa.org/sites/default/files/BMPHandbooks/BMP_IndComm_Appendix_D.pdf</a>
Managing Small-acreage Horse Farms (OSU)	<a href="https://catalog.extension.oregonstate.edu/ec1558/viewfile">https://catalog.extension.oregonstate.edu/ec1558/viewfile</a>
Irrigation well use and maintenance	See resources for domestic wells under Information for Residential Areas
Oregon State University Forestry & Natural Resources Extension Program	<a href="http://extensionweb.forestry.oregonstate.edu/">http://extensionweb.forestry.oregonstate.edu/</a>
Oregon Department of Forestry Stewardship Foresters	<a href="http://www.oregon.gov/ODF/Working/Pages/FindAForester.aspx">http://www.oregon.gov/ODF/Working/Pages/FindAForester.aspx</a>
Oregon Department of Forestry Grants and Incentives	<a href="http://www.oregon.gov/ODF/AboutODF/Pages/GrantsIncentives.aspx">http://www.oregon.gov/ODF/AboutODF/Pages/GrantsIncentives.aspx</a>
US Department of Agriculture Forest Incentive Programs Available in Oregon	<a href="http://www.srs.fs.usda.gov/econ/data/forestincentives/or.htm">http://www.srs.fs.usda.gov/econ/data/forestincentives/or.htm</a>

<b>Agriculture / Forestry Land Uses</b>	
US Department of Agriculture Pacific Northwest Research Station	<a href="http://www.fs.fed.us/pnw/">http://www.fs.fed.us/pnw/</a>
US Forest Service State & Private Forestry– Cooperative Forestry, Forest Health Protection, Sustainable Development & Urban/ Community Forestry	<a href="http://www.fs.fed.us/spf/">http://www.fs.fed.us/spf/</a>
Water quality impacts information from US Forest Service - Part III: Chapter 10: Forest Management; Chapter 13: Pesticides and Part IV: Chapter 14-16 Animals	<a href="http://www.srs.fs.fed.us/pubs/gtr/gtr_srs039/">http://www.srs.fs.fed.us/pubs/gtr/gtr_srs039/</a>
National Management Measures to Control Nonpoint Source Pollution from Forestry (EPA)	<a href="http://water.epa.gov/polwaste/nps/forestry/forestrygmt_index.cfm">http://water.epa.gov/polwaste/nps/forestry/forestrygmt_index.cfm</a>
Managing Nonpoint Source Pollution from Forestry (EPA)	<a href="https://www.epa.gov/polluted-runoff-nonpoint-source-pollution/forestry-additional-resources">https://www.epa.gov/polluted-runoff-nonpoint-source-pollution/forestry-additional-resources</a>
Oregon Forest Practices Act	<a href="https://www.oregon.gov/ODF/Working/Pages/FPA.aspx">https://www.oregon.gov/ODF/Working/Pages/FPA.aspx</a>
Forest Practices Board Manual (Washington Dept. of Natural Resources)	<a href="http://www.dnr.wa.gov/about/boards-and-councils/forest-practices-board/rules-and-guidelines/forest-practices-board-manual">http://www.dnr.wa.gov/about/boards-and-councils/forest-practices-board/rules-and-guidelines/forest-practices-board-manual</a>
Sustainable Forest Management Programs/Certifications: <ul style="list-style-type: none"> <li>American Tree Farm Systems (ATFS)</li> <li>Forest Stewardship Council (FSC)</li> <li>Sustainable Forestry Initiative (SFI)</li> <li>Dovetail Partners, Inc.</li> </ul>	<a href="https://www.oregon.gov/ODF/Documents/AboutODF/ForestCertificationFactsheet.pdf">https://www.oregon.gov/ODF/Documents/AboutODF/ForestCertificationFactsheet.pdf</a> <a href="https://www.treefarmssystem.org/">https://www.treefarmssystem.org/</a> <a href="https://us.fsc.org/en-us/certification">https://us.fsc.org/en-us/certification</a> <a href="http://www.oregonsfi.org/">http://www.oregonsfi.org/</a> <a href="http://www.dovetailinc.org/">http://www.dovetailinc.org/</a>
<b>Commercial / Industrial / Municipal Land Uses</b>	
Drinking Water Protection Strategies for Commercial & Industrial Land Uses (DEQ)	<a href="https://www.oregon.gov/deq/FilterDocs/DWPStrategiesComInd.pdf">https://www.oregon.gov/deq/FilterDocs/DWPStrategiesComInd.pdf</a>
Business and Industry tips for reducing water quality impacts (DEQ)	<a href="https://www.oregon.gov/deq/FilterDocs/dwbusindtips.pdf">https://www.oregon.gov/deq/FilterDocs/dwbusindtips.pdf</a>
Source Water Protection Publications (EPA) for managing various including: <ul style="list-style-type: none"> <li>Above Ground and Underground Storage Tanks</li> <li>Aircraft and Airfield Deicing Operations</li> <li>Highway Deicing Operations</li> <li>Vehicle Washing</li> <li>Pet and Wildlife Waste</li> <li>Small Quantity Chemical Use</li> <li>Storm Water Runoff</li> </ul>	<a href="https://www.oregon.gov/DEQ/wq/programs/Pages/DWP-Pubs.aspx">https://www.oregon.gov/DEQ/wq/programs/Pages/DWP-Pubs.aspx</a> (see EPA Source Water Protection Practices Bulletins)
Free Assistance from DEQ's Toxics Use and Waste Reduction Assistance	<a href="https://www.oregon.gov/deq/FilterDocs/TABrochure.pdf">https://www.oregon.gov/deq/FilterDocs/TABrochure.pdf</a>
Managing Used Computers and Other Electronic Equipment (DEQ)	<a href="https://www.oregon.gov/DEQ/ecycles/Pages/default.aspx">https://www.oregon.gov/DEQ/ecycles/Pages/default.aspx</a>
Computer and Electronic Equipment Recyclers (DEQ)	<a href="https://www.deq.state.or.us/ecsearch/Default.aspx">https://www.deq.state.or.us/ecsearch/Default.aspx</a>
Underground Injection Control (UIC) Program (DEQ)	<a href="https://www.oregon.gov/deq/wq/wqpermits/Pages/UIC.aspx">https://www.oregon.gov/deq/wq/wqpermits/Pages/UIC.aspx</a>

<b>Commercial / Industrial / Municipal Land Uses (cont.)</b>	
Industrial Stormwater Best Management Practices Manual (DEQ)	<a href="https://www.oregon.gov/deq/FilterDocs/IndBMP021413.pdf">https://www.oregon.gov/deq/FilterDocs/IndBMP021413.pdf</a>
Illicit Discharge and Source Tracing Guidance Manual (Washington Stormwater Center)	<a href="http://www.wastormwatercenter.org/illicit-connection-illicit-discharge">http://www.wastormwatercenter.org/illicit-connection-illicit-discharge</a>
Construction Stormwater Best Management Practices Manual (DEQ)	<a href="https://www.oregon.gov/deq/FilterPermitsDocs/BMPManual.pdf">https://www.oregon.gov/deq/FilterPermitsDocs/BMPManual.pdf</a>
Low Impact Development O&M guidance (Washington Stormwater Center)	<a href="http://www.wastormwatercenter.org/lid-mando/">http://www.wastormwatercenter.org/lid-mando/</a>
Water quality impacts information from USFS - Part V: Chapter 18-20 Mining and Oil/Gas	<a href="http://www.srs.fs.fed.us/pubs/gtr/gtr_srs039/">http://www.srs.fs.fed.us/pubs/gtr/gtr_srs039/</a>
Dam Safety Publications and Resources FEMA website	<a href="https://www.fema.gov/dam-safety-publications-resources">https://www.fema.gov/dam-safety-publications-resources</a>
Healthcare: Pollution Prevention & Best Management Practices (EPA)	<a href="https://archive.epa.gov/region1/healthcare/web/html/bmp.html">https://archive.epa.gov/region1/healthcare/web/html/bmp.html</a>
<b>Boating / Marinas / Recreation Areas</b>	
Oregon Clean Boater Program (OSMB)	<a href="https://www.oregon.gov/osmb/boater-info/Pages/Environmental-Programs.aspx">https://www.oregon.gov/osmb/boater-info/Pages/Environmental-Programs.aspx</a>
Clean Boater Guide (OSMB)	<a href="https://www.oregon.gov/osmb/forms-library/Documents/Environmental/2015_osmb_clean_boater_guide_forweb.pdf">https://www.oregon.gov/osmb/forms-library/Documents/Environmental/2015_osmb_clean_boater_guide_forweb.pdf</a>
Best Management Practices for Oregon's Marinas (DEQ)	<a href="https://www.oregon.gov/deq/FilterDocs/marinas.pdf">https://www.oregon.gov/deq/FilterDocs/marinas.pdf</a>
Clean Marina Program (OSMB)	<a href="https://www.oregon.gov/OSMB/boater-info/Pages/Clean-Marinas.aspx">https://www.oregon.gov/OSMB/boater-info/Pages/Clean-Marinas.aspx</a>
Clean Marina Guidebook (OSMB)	<a href="https://www.oregon.gov/OSMB/forms-library/Documents/Environmental/entire_clean_marina_guidebook.pdf">https://www.oregon.gov/OSMB/forms-library/Documents/Environmental/entire_clean_marina_guidebook.pdf</a>
Marine Sewage and Wastewater Disposal (DEQ)	<a href="https://www.oregon.gov/osmb/forms-library/Documents/Environmental/MarineSanitationFactSheet.pdf">https://www.oregon.gov/osmb/forms-library/Documents/Environmental/MarineSanitationFactSheet.pdf</a>
Water quality impacts information from US Forest Service - Part II: Chapters 7-8: Recreation; Chapter 5: Dams and Chapter 9: Roads	<a href="http://www.srs.fs.fed.us/pubs/gtr/gtr_srs039/">http://www.srs.fs.fed.us/pubs/gtr/gtr_srs039/</a>