



State of Oregon
Department of
Environmental
Quality

State of Oregon Department of Environmental Quality

Technical Information and Factsheets for Water Quality

PLEASE NOTE: The Internet URL Addresses listed in this document were included as a convenience for the users of this document. All URL Addresses were functional at the time this publication was last updated (August 2017). For active links, this list is located at <http://www.oregon.gov/deq/wq/programs/Pages/DWP-Source.aspx> see “Summary of Technical Assistance Resources”

| General Water Quality Information | |
|---|--|
| Handbook for Developing Watershed Plans to Restore and Protect Our Waters (EPA) | https://www.epa.gov/polluted-runoff-nonpoint-source-pollution/handbook-developing-watershed-plans-restore-and-protect |
| Water Quality Model Code and Guidebook (DLCD) | http://www.oregon.gov/LCD/pages/waterqualitygb.aspx |
| DEQ Toxics Reduction Strategy | http://www.oregon.gov/deq/Hazards-and-Cleanup/ToxicReduction/Pages/Reducing-Toxics.aspx |
| Oregon’s Groundwater Protection Program – who does what? (DEQ) | http://www.oregon.gov/DEQ/wq/programs/Pages/GWP-about.aspx |
| Groundwater Basics for Drinking Water Protection (DEQ) | http://www.oregon.gov/deq/FilterDocs/GroundwaterBasics.pdf |
| Protecting Oregon’s Groundwater from Contamination (OSU) | http://groundwater.orst.edu/groundwater/ |
| Oregon Climate Change Research Institute | http://occri.net/ |
| Climate Impacts in the Northwest (EPA) | https://19january2017snapshot.epa.gov/climate-impacts/climate-impacts-northwest_.html |
| Climate science, data, tools, and information (NOAA) | http://www.noaa.gov/climate.html |
| Harmful Algae Blooms (OHA) FAQs, guidelines for lake managers and outreach materials | https://public.health.oregon.gov/HealthyEnvironments/Recreation/HarmfulAlgaeBlooms/Pages/index.aspx |
| Harmful Algal Blooms (DEQ) - agency strategy, actions to control/eliminate & prevention | http://www.oregon.gov/DEQ/wq/Pages/Harmful-Algal-Blooms.aspx |
| Residential Areas, Parks and Golf Courses | |
| Domestic Well Safety Program (OHA) Resources/ contacts for domestic/private wells | http://public.health.oregon.gov/HealthyEnvironments/DrinkingWater/SourceWater/DomesticWellSafety/Pages/index.aspx |
| Well Water Program (OSU)- tech. assistance for domestic/private wells & septic systems | http://wellwater.oregonstate.edu/ |
| Oregon’s Domestic Well Testing Program for Real Estate Transactions | http://public.health.oregon.gov/HealthyEnvironments/DrinkingWater/SourceWater/DomesticWellSafety/Pages/Testing-Regulations.aspx |
| After You Buy: Wells, Septic Systems, and a Healthy Homesite (NRCS) | http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/nrcs142p2_042403.pdf |
| Household Hazardous Waste Program website (DEQ) | http://www.oregon.gov/DEQ/Hazards-and-Cleanup/hw/Pages/hhw.aspx |
| Household Hazardous Waste - locally-sponsored and county collection programs | http://www.oregon.gov/DEQ/Hazards-and-Cleanup/hw/Pages/HHW-Events.aspx and http://www.oregon.gov/DEQ/Hazards-and-Cleanup/hw/Pages/HHW-by-County.aspx |

| Residential Areas, Parks and Golf Courses (cont.) | |
|---|---|
| Household Pharmaceutical Waste Disposal (OHA) | https://public.health.oregon.gov/HealthyEnvironments/DrinkingWater/SourceWater/Pages/takeback.aspx |
| Household Hazardous Wastes (EPA) | https://www.epa.gov/hw/household-hazardous-waste-hhw |
| Recycle Used Motor Oil Resources (EPA) | https://www.epa.gov/recycle/managing-reusing-and-recycling-used-oil |
| Frequently Asked Questions About Heating Oil Tanks (DEQ) | http://www.oregon.gov/DEQ/tanks/Pages/hot.aspx |
| Proper Care/Maintenance of Heating Oil and Other Unregulated Tank Systems | http://www.oregon.gov/deq/FilterDocs/ProperCareMaintenance.pdf |
| Oregon resources for on-site septic systems (DEQ) | http://www.oregon.gov/deq/Residential/Pages/Septic-Smart.aspx |
| Oregon's Onsite Wastewater Management Program (Septic Systems) (DEQ) | http://www.oregon.gov/DEQ/Residential/Pages/Onsite.aspx |
| Local Outreach Toolkit for Septic Systems (EPA) | https://www.epa.gov/septic/septic-systems-outreach-toolkit |
| A Homeowners Guide to Septic Systems (EPA) | http://www.nesc.wvu.edu/pdf/ww/septic/epa_septic_guide.pdf |
| Septic Tank Maintenance (DEQ) | http://www.oregon.gov/deq/FilterDocs/septic_tank_maint_FS.pdf |
| Septic Systems OSU Extension website (OSU) | http://wellwater.oregonstate.edu/septic-systems-0 |
| Groundwater protection and your septic system (National Small Flows Clearinghouse) | http://www.nesc.wvu.edu/pdf/ww/septic/septic_tank3.pdf |
| Combating Illegal Dumping (DEQ) | http://www.oregon.gov/DEQ/mm/Pages/Illegal-Dumping.aspx and http://www.oregon.gov/DEQ/mm/Pages/Illegal-Dumping-Clean-Up.aspx |
| Water Well Owner's Handbook & other related guidance documents (WRD) | http://www.oregon.gov/owrd/pages/pubs/index.aspx |
| Oregon Water Resources Department | http://egov.oregon.gov/OWRD/ |
| Disposal of Chlorinated Water from Swimming Pools and Hot Tubs (DEQ) | http://www.oregon.gov/deq/FilterDocs/bmpchlorwaterdisp.pdf |
| 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 | http://www.oregon.gov/DEQ/wq/programs/Pages/DWP-Pubs.aspx (see EPA Source Water Protection Practices Bulletins) |
| Integrated Plant Protection Center (OSU) | http://ipmnet.org/ |
| National Pesticide Information Center | http://npic.orst.edu/ |
| Integrated Pest Management and Pesticide Safety for Schools (OSU) | http://www.ipmnet.org/Tim/PSEP_home.htm |
| Golf Course Integrated Pest Management (IPM) tool and BMP Generator | http://www.greengolfusa.com/tiki-index.php |
| EcoBiz Certified Landscapers and Auto Repair Shops | http://ecobiz.org/find-an-ecobiz/ |

| Agriculture / Forestry Land Uses | |
|--|--|
| 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. | http://www.nrcs.usda.gov/wps/portal/nrcs/detail/or/newsroom/?cid=nrcs142p2_046062 |
| 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 | http://www.oregon.gov/DEQ/wq/programs/Pages/DWP-Pubs.aspx (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) | http://smallfarms.oregonstate.edu/ |
| Oregon Pesticide Stewardship Partnerships and Waste Pesticide Collection Events | http://www.oregon.gov/oda/programs/pesticides/water/pages/pesticidestewardship.aspx |
| Managing Waste Pesticide (DEQ) | http://www.oregon.gov/DEQ/Hazards-and-Cleanup/hw/Pages/Miscellaneous-Industries.aspx |
| Oregon Department of Agriculture (ODA) – resources for reducing impacts | http://www.oregon.gov/oda/Pages/default.aspx |
| Soil and Water Conservation Districts (OACD) – technical assistance for rural landowners, family forests and growers | http://oacd.org/conservation-districts/directory |
| Natural Resources Conservation Service, Oregon (NRCS) | http://www.or.nrcs.usda.gov/ |
| NRCS Financial Assistance Programs | http://www.nrcs.usda.gov/wps/portal/nrcs/main/or/programs/financial/ |
| Oregon Department of Fish and Wildlife Hatchery Information (ODFW) | http://www.dfw.state.or.us/fish/hatchery/ |
| Animal Care and Handling Facilities (from California stormwater program) | https://www.casqa.org/sites/default/files/BMPHandbooks/BMP_IndComm_Appendix_D.pdf |
| Managing Small-acreage Horse Farms (OSU) | https://catalog.extension.oregonstate.edu/ec1558/viewfile |
| Irrigation well use and maintenance | See resources for domestic wells under Information for Residential Areas |
| Oregon State University Forestry & Natural Resources Extension Program | http://extensionweb.forestry.oregonstate.edu/ |
| Oregon Department of Forestry Stewardship Foresters | http://www.oregon.gov/ODF/Working/Pages/FindAForester.aspx |
| Oregon Department of Forestry Grants and Incentives | http://www.oregon.gov/ODF/AboutODF/Pages/GrantsIncentives.aspx |
| US Department of Agriculture Forest Incentive Programs Available in Oregon | http://www.srs.fs.usda.gov/econ/data/forestincentives/or.htm |

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

| Commercial / Industrial / Municipal Land Uses (cont.) | |
|--|---|
| Industrial Stormwater Best Management Practices Manual (DEQ) | http://www.oregon.gov/deq/FilterDocs/wq/wqpermit/docs/IndBMP021413.pdf |
| Industrial Stormwater Best Management Practices Manual (DEQ) | http://www.oregon.gov/deq/FilterDocs/wq/wqpermit/docs/IndBMP021413.pdf |
| Illicit Discharge and Source Tracing Guidance Manual (Washington Stormwater Center) | http://www.wastormwatercenter.org/illicit-connection-illicit-discharge |
| Construction Stormwater Best Management Practices Manual (DEQ) | http://www.deq.state.or.us/wq/stormwater/docs/nwr/constrbmps.pdf |
| Low Impact Development O&M guidance (Washington Stormwater Center) | http://www.wastormwatercenter.org/lid-mando/ |
| Water quality impacts information from USFS - Part V: Chapter 18-20 Mining and Oil/Gas | http://www.srs.fs.fed.us/pubs/gtr/gtr_srs039/ |
| Dam Safety Publications and Resources FEMA website | https://www.fema.gov/dam-safety-publications-resources |
| Healthcare: Pollution Prevention & Best Management Practices (EPA) | http://www3.epa.gov/region9/waste/p2/hospart.html |
| Boating / Marinas / Recreation Areas | |
| Oregon Clean Boater Program (OSMB) | http://www.oregon.gov/OSMB/boater-info/Pages/Clean-Boater.aspx |
| Clean Boater Guide (OSMB) | http://www.oregon.gov/OSMB/boater-info/Documents/2015_osmb_clean_boater_guide_forweb.pdf |
| Best Management Practices for Oregon's Marinas (DEQ) | http://www.oregon.gov/deq/FilterDocs/marinas.pdf |
| Clean Marina Program (OSMB) | http://www.oregon.gov/OSMB/boater-info/Pages/Clean-Marinas.aspx |
| Clean Marina Guidebook (OSMB) | http://www.oregon.gov/OSMB/forms-library/Documents/Environmental/entire_clean_marina_guidebook.pdf |
| Marine Sewage and Wastewater Disposal (DEQ) | http://www.oregon.gov/OSMB/Pages/Pumpout-and-Dump-Stations.aspx |
| Water quality impacts information from US Forest Service - Part II: Chapters 7-8: Recreation; Chapter 5: Dams and Chapter 9: Roads | http://www.srs.fs.fed.us/pubs/gtr/gtr_srs039/ |