

# Updated Source Water Assessment

**City of Lowell**

**PWS #4100492**

**August 2018**

*Prepared for:*

**City of Lowell**



*Prepared by:*



State of Oregon  
**Department of  
Environmental  
Quality**



# Oregon

Kate Brown, Governor

Department of Environmental Quality

Agency Headquarters

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TTY 711

August 31, 2018

Max Baker, Public Works Director  
Public Works Department  
City of Lowell  
P.O. Box 490  
Lowell, OR 97452

Re: **Updated Source Water Assessment for PWS # 4100492**

Dear Mr. Baker,

On behalf of the Oregon Health Authority (OHA), the Oregon Department of Environmental Quality (DEQ) is pleased to provide your community with important information in this Updated Source Water Assessment. The updated assessment is intended to provide information and resources to assist you and your community to **implement local drinking water protection efforts**. Since the first source water assessments were completed in 2005, state agencies have significantly expanded analytical capabilities, including more detailed data for analyzing natural characteristics and potential pollutant sources. DEQ is currently completing the updated assessments for surface water systems and OHA is updating the groundwater system assessments.

As you know, assuring safe drinking water depends on public water suppliers implementing multiple successful practices. **First, protect the drinking water source.** Second, practice effective water treatment. Third, conduct regular monitoring for contaminants to assure safety. Fourth, protect the distribution system piping and finished water storage from recontamination. Finally, practice competent water system operation, maintenance, and construction. These practices are collectively called “multiple barrier public health protection”. **Source water protection is an important first step because starting with the best possible quality source water helps assure that water treatment can be effective at all times.**

Source water protection is accomplished by effective state public health programs, environmental protection, land use policies, pro-active land stewardship, and by implementation of local drinking water protection efforts. The susceptibility of the public drinking water system source depends on both the natural conditions in the watershed as well as the anthropogenic activities in the watershed.

This letter, with attached figures and technical information, constitutes your **Updated Source Water Assessment**. It supplements your original Source Water Assessment (link here: <http://www.deq.state.or.us/wq/dwp/swrpts.asp>). One of the most important assets a public water system can have is accurate source water area mapping and visual resources to share with the community citizens and officials. The figures include a new regional map view of your watershed,

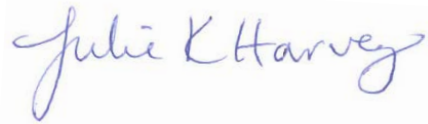
topographic basemap with the source area delineated, and maps with natural characteristics, anthropogenic land uses, potential sources of pollutants, and historic landslides. Information on anthropogenic land uses in a drinking water source area is important for evaluating potential pollutant sources and working with stakeholders upstream. Tables are provided that include a summary of the types of potential pollutant sources present in your drinking water source area.

There are also a variety of resources included in this document to assist you with drinking water source protection efforts. **Appendix #1** provides a summary of how to use the information provided in the assessment to move forward to develop and implement source water protection. **Appendix #3** lists websites and resources available to public water systems and community members seeking technical assistance for work on watershed protection. **Appendix #4** provides brief descriptions and contact information for grants and loans to fund both drinking water infrastructure and source protection projects.

State agency resources are available to help you with mapping and information needs. Larger sizes of the source area maps and more details of landslide potential and other natural characteristics are available for you upon request (contact Julie Harvey at 503-229-5664). DEQ is currently developing "Resource Guides" with more extensive information to assist public water systems in protecting their source waters. The Surface Water Resource Guide is posted at <http://www.oregon.gov/deq/wq/programs/Pages/dwp.aspx>.

For direct assistance and/or additional information regarding watershed protection, call Julie Harvey at DEQ (503-229-5664). For more information on drinking water policies and procedures, call Casey Lyon at OHA (541-726-2587).

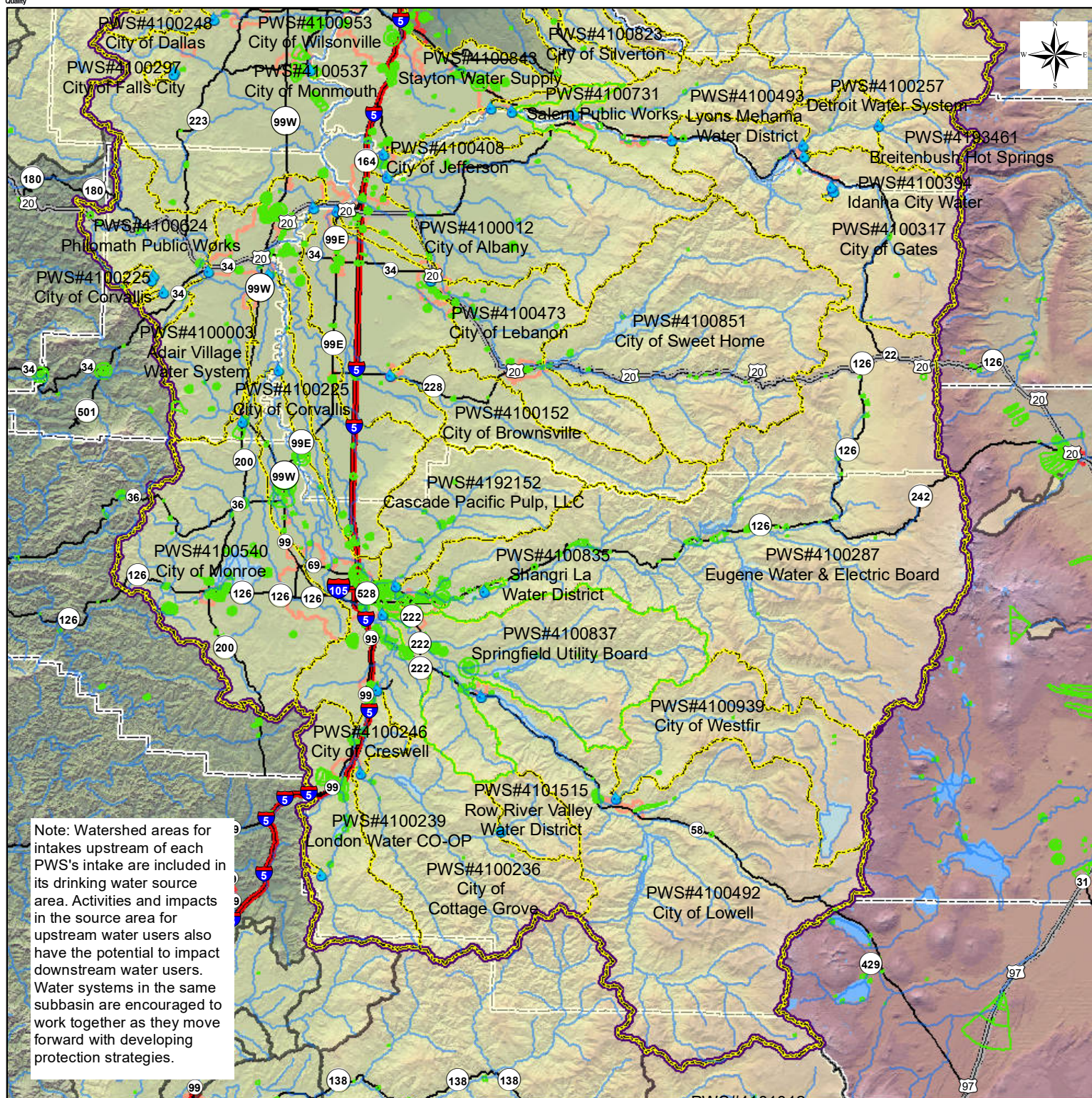
Sincerely,



Julie Harvey, Drinking Water Protection Coordinator  
Water Quality Division

Cc: Casey Lyon, Technical Services Manager, Oregon Health Authority

**Figure 1. Southern Willamette Basin Public Water Systems (PWSs)  
Drinking Water Source Areas and Adjacent Source Areas**



Note: Watershed areas for intakes upstream of each PWS's intake are included in its drinking water source area. Activities and impacts in the source area for upstream water users also have the potential to impact downstream water users. Water systems in the same subbasin are encouraged to work together as they move forward with developing protection strategies.

1:900,000

0 2.5 5 10 15 20 Miles

**Legend**

- Rivers (1:250,000)
- Willamette Basin Surface Water Intakes
- Groundwater Drinking Water Source Area
- Willamette Basin Drinking Water Source Areas (surface water)
- Interstate
- U.S. Routes
- Oregon Routes
- Willamette River Basin Drinking Water Source Area (for surface water sources)
- Urban Growth Boundary (2010)
- County Boundary

This data analysis was conducted for strategic planning purposes in drinking water protection. If other uses are considered for the data, please contact DEQ's Drinking Water Protection Program for details on how this query was performed. It is important to understand the limitations and qualifications of queries to ensure appropriate interpretation of this data. No warranty expressed or implied is made regarding the accuracy or utility. This disclaimer applies both to individual use of the data and aggregate use with other data.

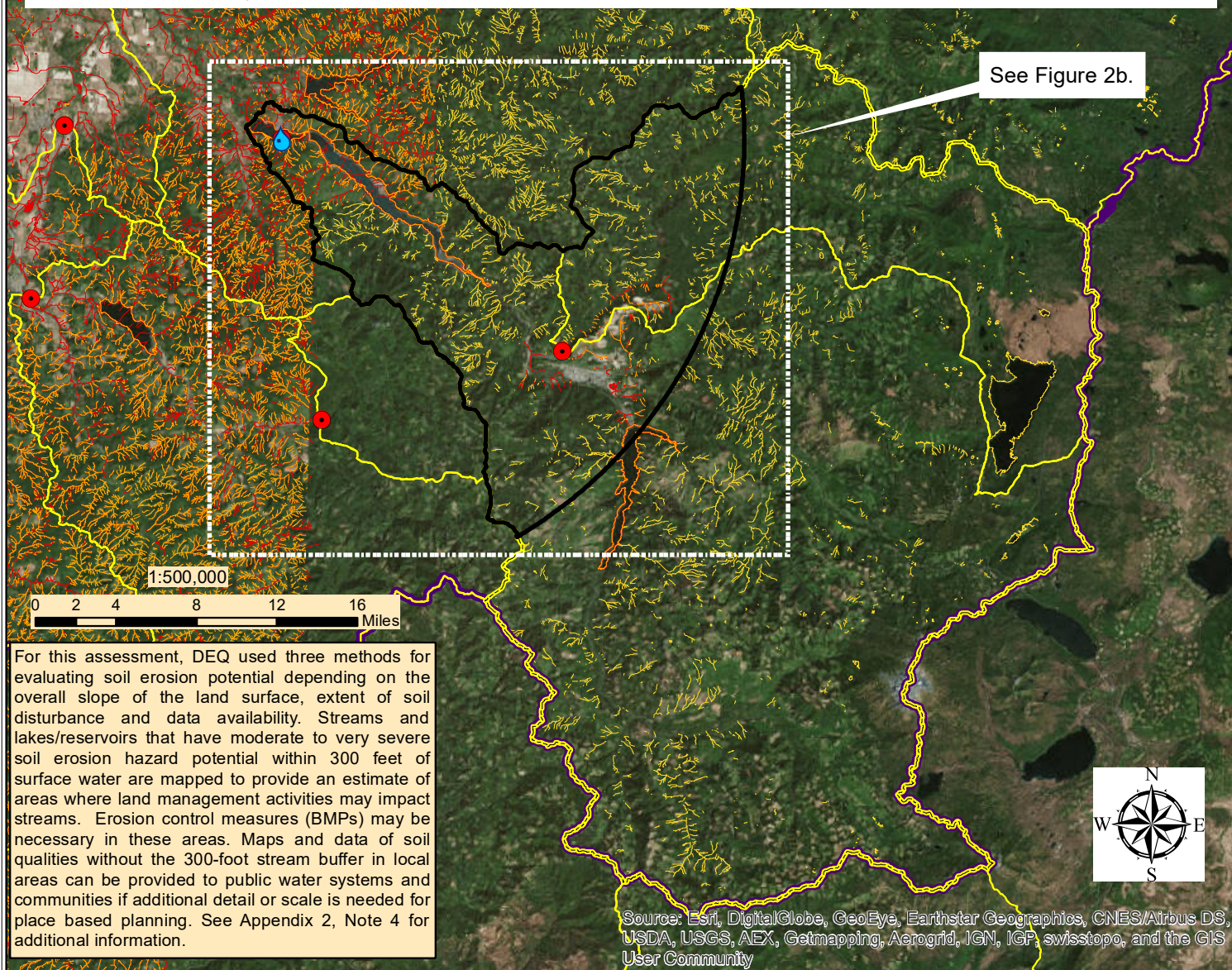
Oregon Dept of Environmental Quality/Water Quality Division/Drinking Water Protection Program/GIS.  
Projection: Oregon Lambert (Lambert Conformal Conic) GCS\_North\_American\_1983, Datum:  
D\_North\_American\_1983 File:\\dehq\1\dwpp\SWA Reports & Plan\Update SWA SW  
2016\PWSReports\GIS\WillametteBasin\USWA\_Fig1\_S\_WillametteBasinPWSVicinity.mxd  
Prepared by: jds15JAN2018

Note on Base Layer: The hillshade color effect shown here is the result of additional processing of digital elevation models (DEM - 30 meter grid) data from 1:24000 topographic maps. A "hillshade" was produced first and then color adjusted. The original DEM files were developed by the OR Dept. of Forestry. Additional processing of the hillshade data with Red, Green, Blue (RGB) color scheme resulted in the "orshade.sid" dataset displayed here. The data set is provided for use by the Oregon

**Figure 2a. City of Lowell (PWS 00492) Drinking Water Source Areas with Erosion Potential for Management Activities with Soil Surface Disturbance**  
(See Appendix 2 for Key to map details and metadata)

### Legend

-  City of Lowell Intake
  -  Surface Water Intake
  -  City of Lowell: 8hr Time of Travel to reservoir (10.9mi Buffer, starting 12.1mi upstream of intake)
  -  City of Lowell Drinking Water Source Area (including upstream areas)
  -  Nearby Drinking Water Source Areas
  -  Willamette River Basin
- Streams near soils with significant erosion potential. Erosion control measures (BMPs) may be necessary for land management activities that disturb or leave bare soils in these areas.
-  Streams & Lakes (NHD) with significant erosion potential from intensive (>75%) soil surface disturbance (i.e. tilled or bare soils) (NRCS-RUSLE2/ODA-EVI; see Appendix 2 Note 4a).
  -  Streams & Lakes (NHD) with significant erosion potential from substantial (50-75%) soil surface disturbance (NRCS off-road/off-trail ratings; see Appendix 2, Note 4b).
  -  Streams (NHD) with significant erosion potential (slope>30% using USFS SRI data, NRCS SSURGO data not available; see Appendix 2 Note 4c).



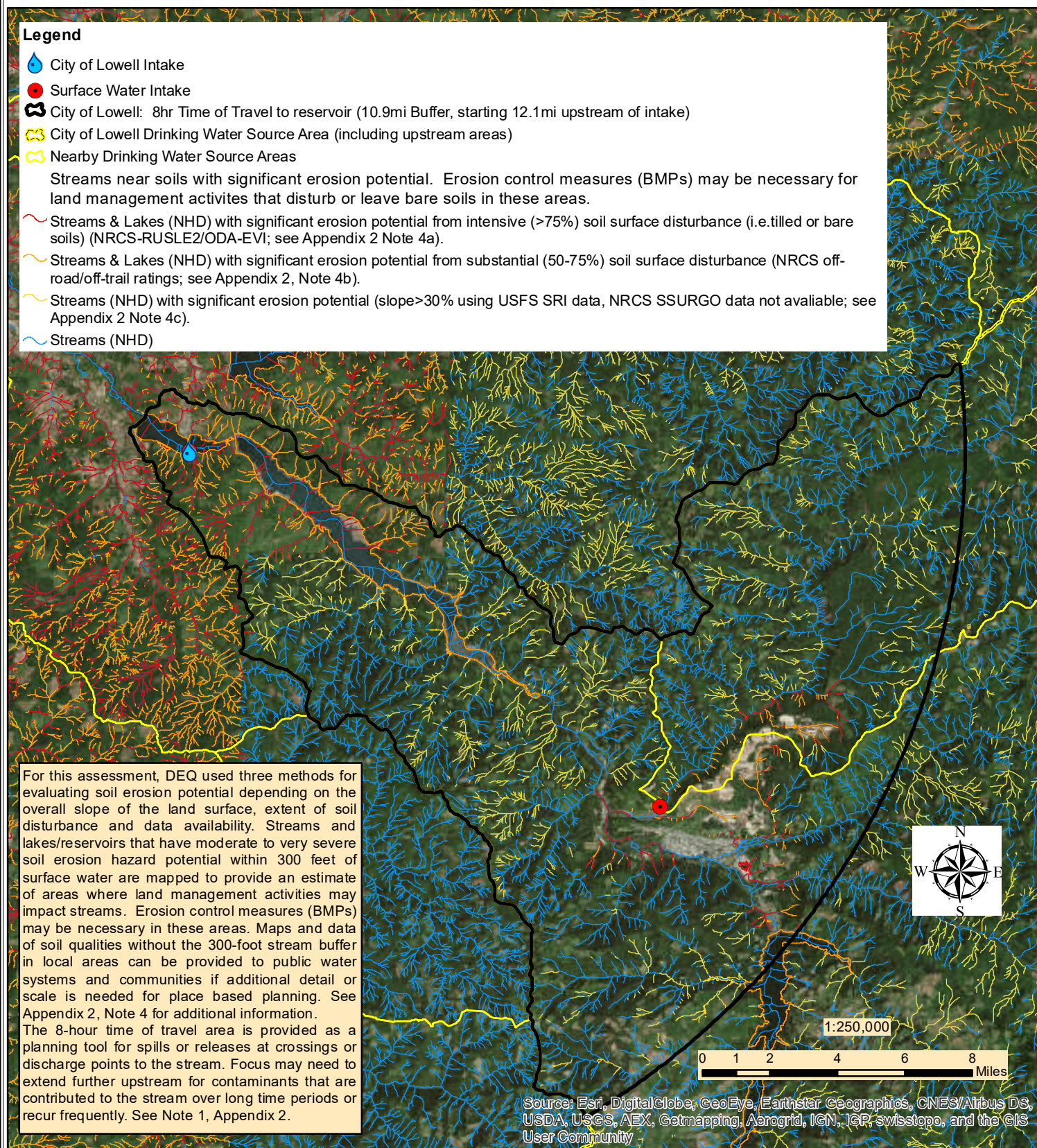
For this assessment, DEQ used three methods for evaluating soil erosion potential depending on the overall slope of the land surface, extent of soil disturbance and data availability. Streams and lakes/reservoirs that have moderate to very severe soil erosion hazard potential within 300 feet of surface water are mapped to provide an estimate of areas where land management activities may impact streams. Erosion control measures (BMPs) may be necessary in these areas. Maps and data of soil qualities without the 300-foot stream buffer in local areas can be provided to public water systems and communities if additional detail or scale is needed for place based planning. See Appendix 2, Note 4 for additional information.

#### Notes on Imagery\_Mosaic2011 base map:

- The Imagery Mosaic is from the 2011 National Agriculture Imagery Service (NAIS), 1 meter color aerial imagery from Farm Service Agency (FSA)/U.S. Dept. of Agriculture (USDA). The imagery, collected during the summer of 2005, 2009, and 2011, can be viewed or downloaded from Oregon Imagery Explorer.  
- Oregon Dept of Environmental Quality/Water Quality Division/Drinking Water Protection Program/GIS.  
Projection: Oregon Lambert (Lambert Conformal Conic) GCS: North\_American\_1983, Datum: D\_North\_American\_1983 File:\\deqhq1dwp\SWA Reports & Plan\Update SWA SW 2016\ PWS Reports\ 4100492\_Lowell\USWA\_Fig2a\_Lowell\_SensitiveAreas.mxd Prepared by: jds 23MAY2018

This product is for informational purposes and may not have been prepared for, or be suitable for legal, engineering or surveying purposes. Users of this information should review and consult the primary data and information sources to ascertain the usability of the information. DEQ's Drinking Water Protection Program can provide information on how the queries were performed. It is important to understand the limitations and qualifications of queries to ensure appropriate interpretation of this data. No warranty expressed or implied is made regarding the accuracy or utility. This disclaimer applies both to individual use of the data and aggregate use with other data.

**Figure 2b. City of Lowell (PWS 00492) Drinking Water Source Areas with Erosion Potential for Management Activities with Soil Surface Disturbance (See Appendix 2 for Key to map details and metadata)**

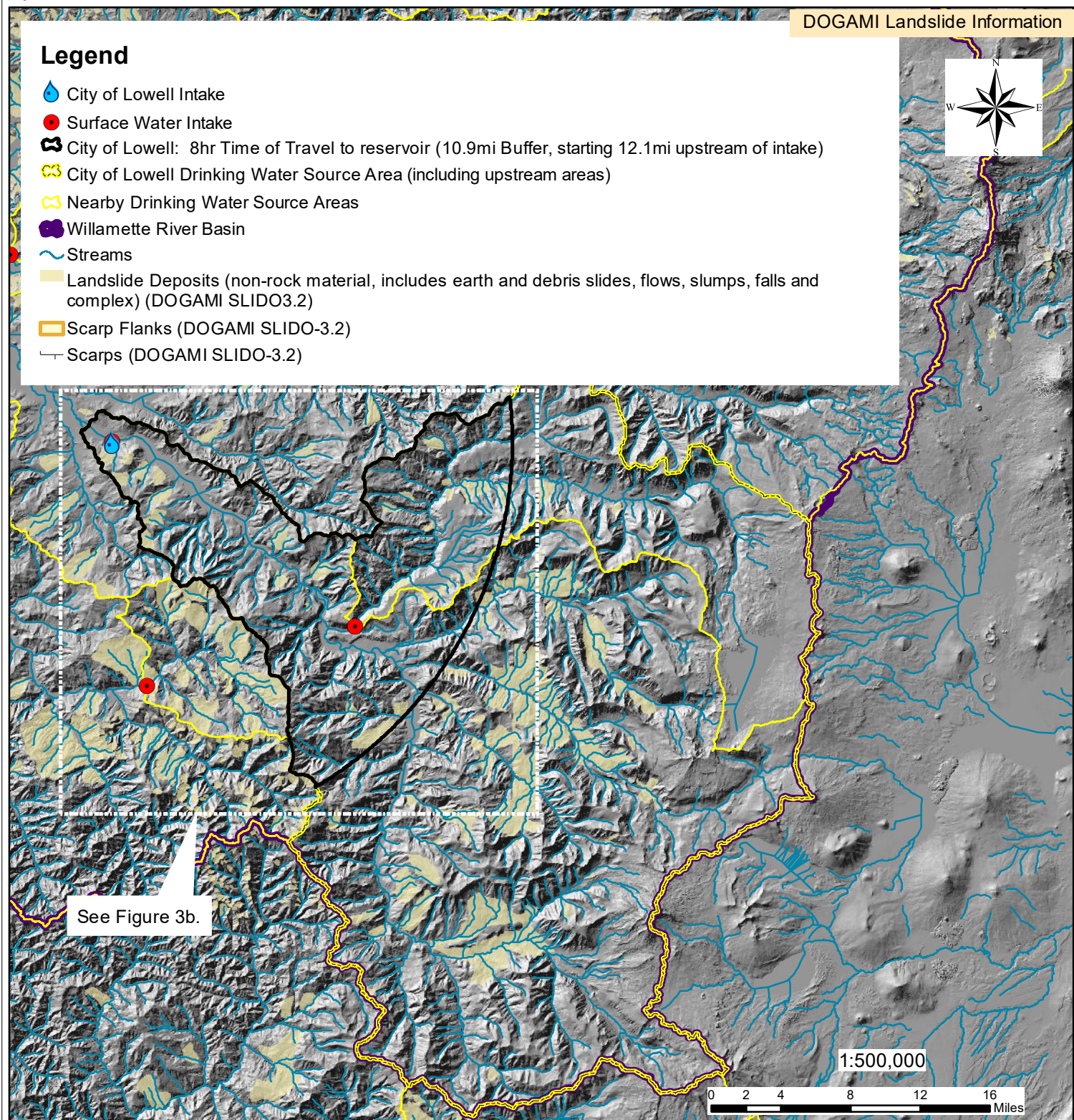


Notes on Imagery\_Mosaic2011 base map:

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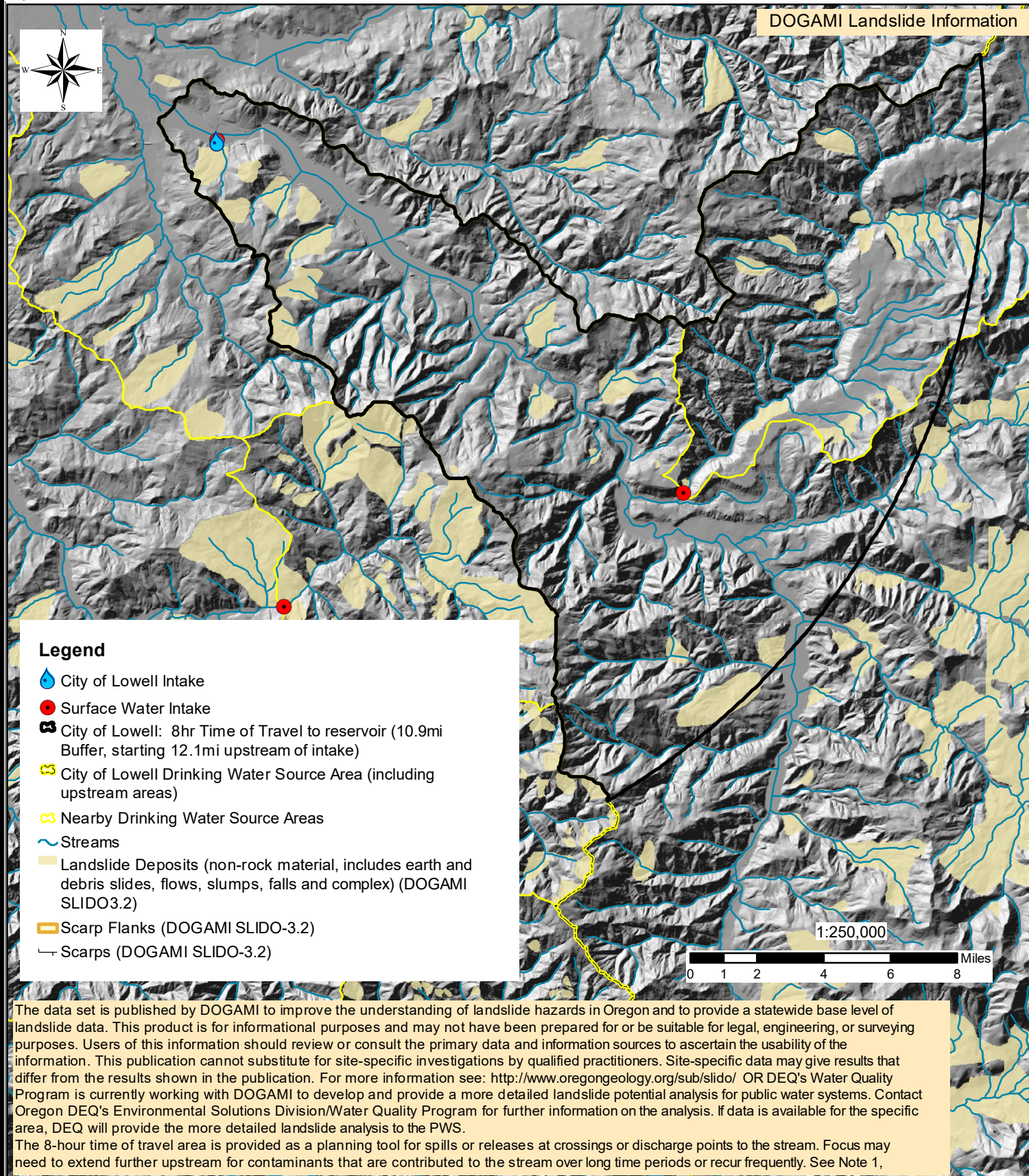
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**Figure 3a. City of Lowell (PWS #00492)**  
**Drinking Water Source Area Landslide Hazards Map**  
(See Appendix 2 for Key to map details and metadata)



The data set is published by DOGAMI to improve the understanding of landslide hazards in Oregon and to provide a statewide base level of landslide data. This product is for informational purposes and may not have been prepared for or be suitable for legal, engineering, or surveying purposes. Users of this information should review or consult the primary data and information sources to ascertain the usability of the information. This publication cannot substitute for site-specific investigations by qualified practitioners. Site-specific data may give results that differ from the results shown in the publication. For more information see: <http://www.oregongeology.org/sub/slido/> OR DEQ's Water Quality Program is currently working with DOGAMI to develop and provide a more detailed landslide potential analysis for public water systems. Contact Oregon DEQ's Environmental Solutions Division/Water Quality Program for further information on the analysis. If data is available for the specific area, DEQ will provide the more detailed landslide analysis to the PWS.

**Figure 3b. City of Lowell (PWS 00492)  
8-hour Time-of-Travel Landslide Hazards Map  
(See Appendix 2 for Key to map details and metadata)**



Notes on DOGAMI LIDAR or DEM Hillshade base layer: Digital Elevation Model (DEM 10 meter) data from Light Detection and Ranging (LIDAR) studies or, if no LIDAR data is available, USGS 1:24,000 DEM data was converted to hillshade by OR Dept. of Forestry (2008-12-29). The LIDAR dataset is available at the website noted in the Key to Figures & Tables.  
Oregon Department of Environmental Quality/Water Quality Division/Drinking Water Protection Program/GIS/Projection: Oregon Lambert (Lambert Conformal Conic), GCS: North American 1983, Datum: D. North American 1983. File: \\deqhq1dwp\SWA Reports & Plan\Update SWA SW2016\PWS Reports\sw100492\_Lowell\USWA\_Fig3b\_Lowell8hr\_LandslideSusceptibility.mxd  
Prepared by: jds 23MAY2016

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**Figure 4a. City of Lowell (PWS 00492)**  
**Drinking Water Source Area with Land Ownership/Use**  
 (See Appendix 2 for Key to map details and metadata)

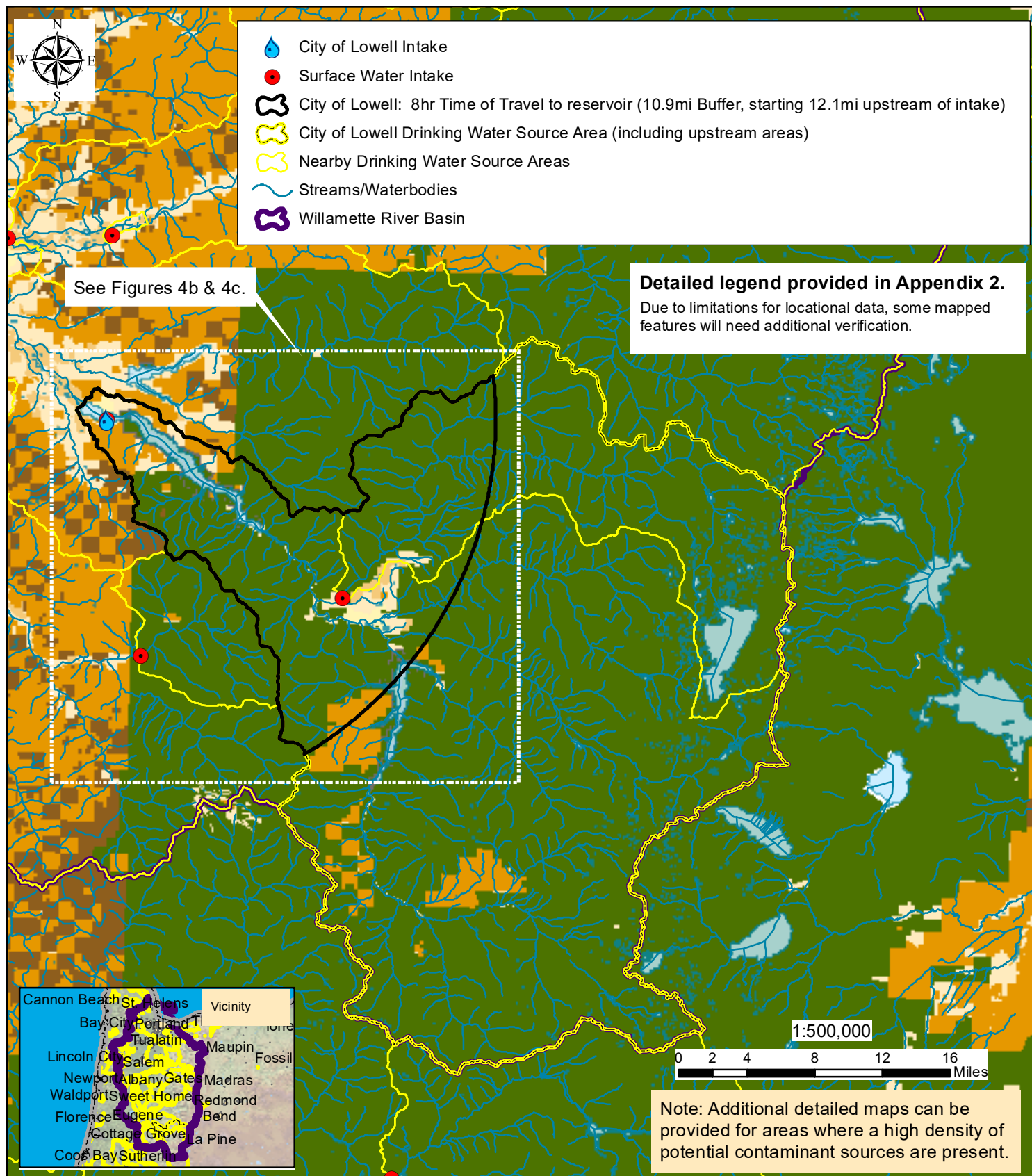
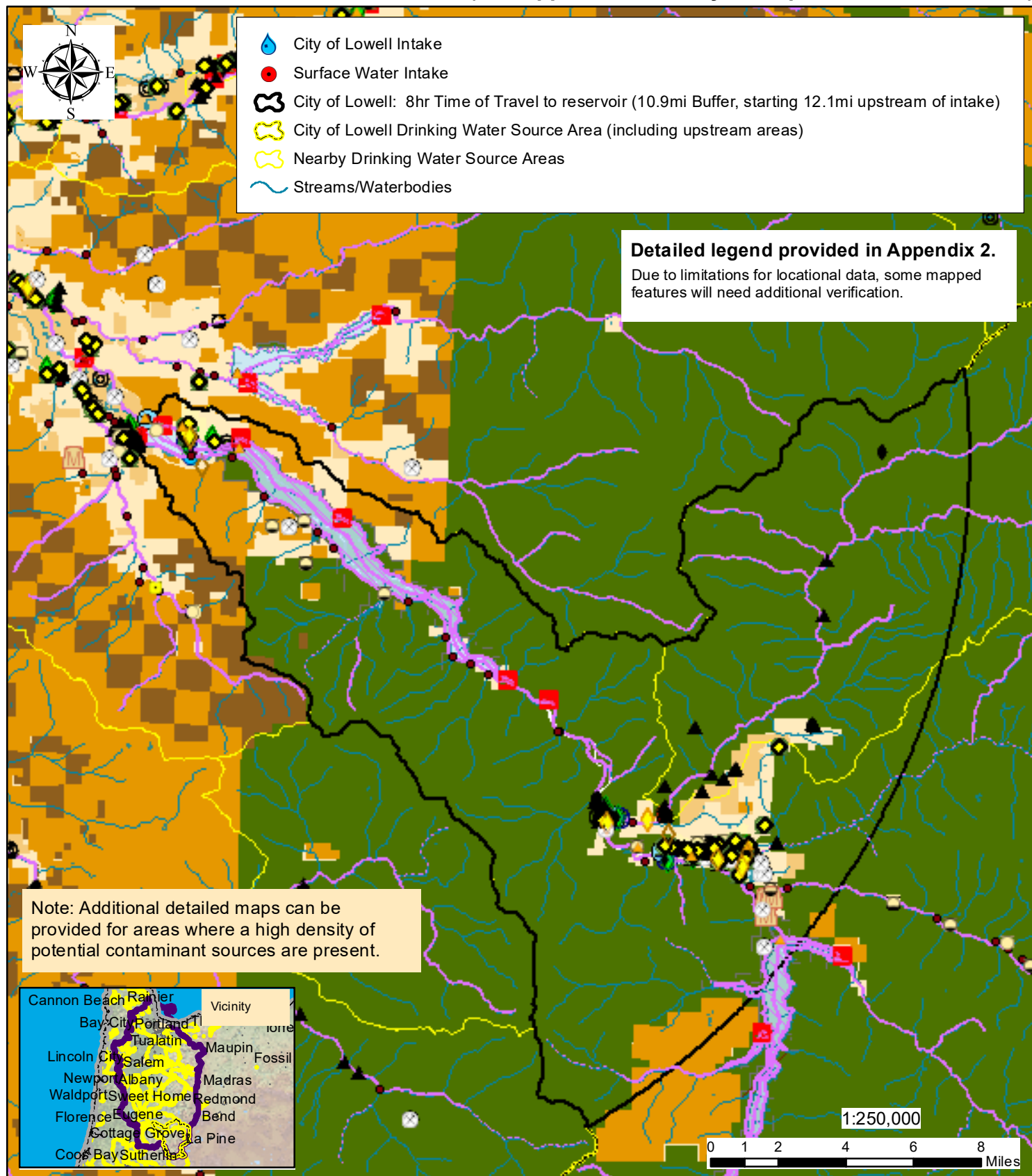


Figure 4b. City of Lowell (PWS 00492)

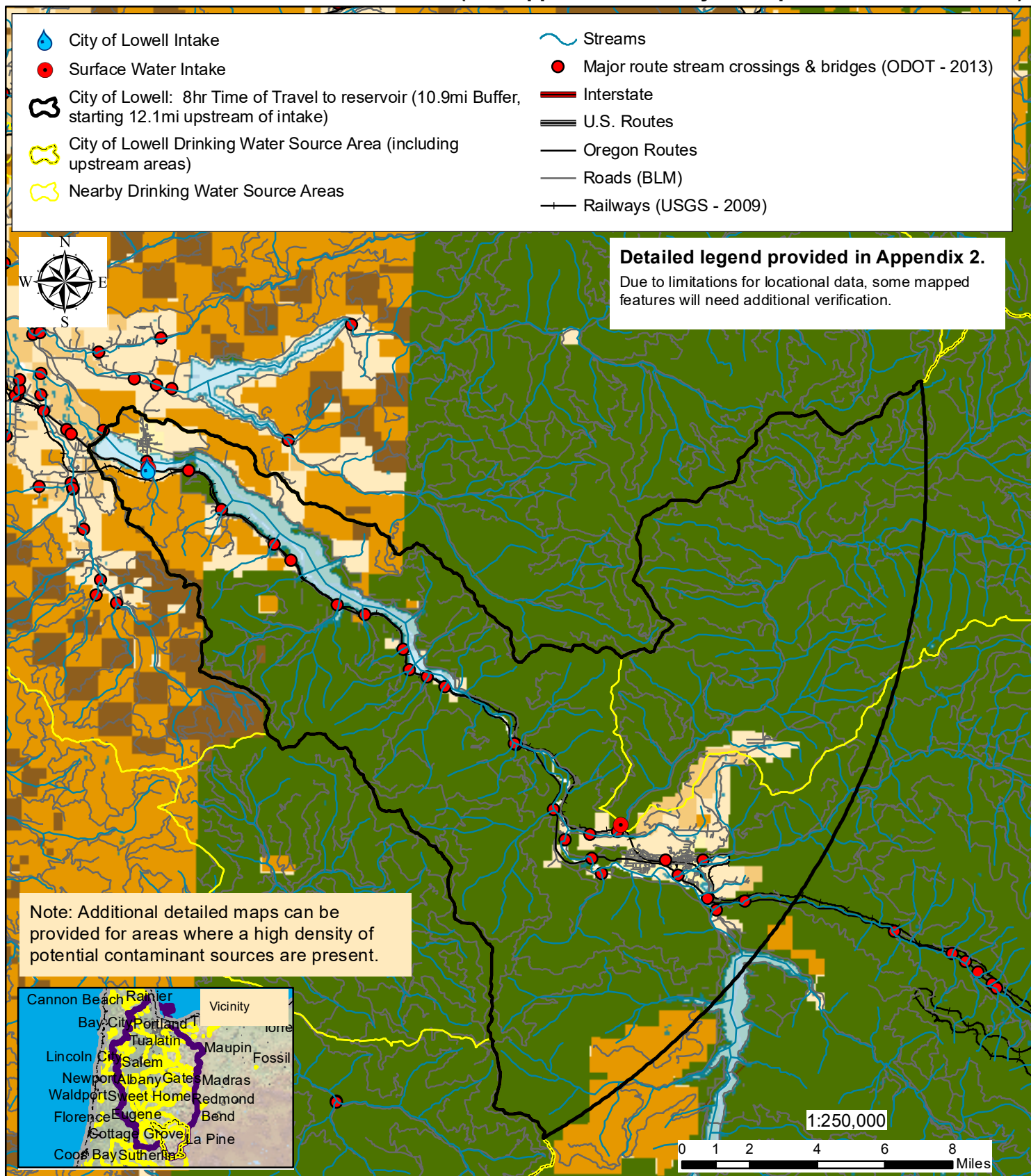
8 Hour Time of Travel -

Potential Anthropogenic Sources and Land Ownership/Use

(See Appendix 2 for Key to map details and metadata)



**Figure 4c. City of Lowell (PWS 00492)**  
**8 Hour Time of Travel -**  
**Transportation Corridors and Land Ownership/Use**  
 (See Appendix 2 for Key to map details and metadata)





Public Water System Name

PWS ID

County Served

Population (includes wholesale buyers) <sup>(2)</sup>

Number of Public Water Systems Served <sup>(2)</sup>

**Table 1. Public Drinking Water System Land Use and Susceptibility Analysis Summary**

*(See Appendix 2 for Key to Tables and Notes)*

City of Lowell

4100492

Lane

1,170

1

|                                                                                                                                                                                          |                                                                                                                     |                                                                                                      |                      |                                                                                                    |                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|----------------------|----------------------------------------------------------------------------------------------------|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Drinking Water Source Name<br><br>Subbasin<br><br>Drinking Water Source Area (DWSA) Size <sup>(1)</sup><br><br>Stream Miles in DWSA                                                      |                                                                                                                     | <b>8-hr time-of-travel<br/>Dexter Lake</b><br>Upper Willamette<br><br>247.2 sq. miles<br><br>1,111.3 |                      | <b>Full SW Source Area</b><br>Dexter Lake<br>Upper Willamette<br><br>757.7 sq. miles<br><br>2582.8 |                      | The 8-hour time of travel area is provided as a planning tool for spills or releases at crossings or discharge points to the stream. Focus may need to extend further upstream for contaminants that are contributed to the stream over long time periods or recur frequently. See Note 1, Appendix 2.                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Land Use /<br/>Ownership <sup>(3)</sup></b>                                                                                                                                           | <b>Owner Type</b>                                                                                                   | <b>Area<br/>(sq.mi.)</b>                                                                             | <b>% of<br/>DWSA</b> | <b>Area<br/>(sq.mi.)</b>                                                                           | <b>% of<br/>DWSA</b> | <b>Notes</b><br><br>The data on land uses is only approximate due to limitations within the GIS layers. Public water systems and communities could use tax lot data available from the counties or other datasets to further refine the analysis if higher accuracy is needed.                                                                                                                                                                                                                                                                                                                                                                                                                              |
|                                                                                                                                                                                          | Agricultural                                                                                                        | 3.4                                                                                                  | 1.4%                 | 2.3                                                                                                | 0.3%                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|                                                                                                                                                                                          | Private Industrial Forest                                                                                           | 15.6                                                                                                 | 6.3%                 | 44.8                                                                                               | 5.9%                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|                                                                                                                                                                                          | Private (Rural)                                                                                                     | 14.3                                                                                                 | 5.8%                 | 13.9                                                                                               | 1.8%                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|                                                                                                                                                                                          | Private (Urban)                                                                                                     | 3.3                                                                                                  | 1.3%                 | 3.3                                                                                                | 0.4%                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|                                                                                                                                                                                          | Local Govt                                                                                                          | 0.0                                                                                                  | 0.0%                 | 0.0                                                                                                | 0.0%                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|                                                                                                                                                                                          | State Forest                                                                                                        | 0.0                                                                                                  | 0.0%                 | 0.0                                                                                                | 0.0%                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|                                                                                                                                                                                          | Other State Lands                                                                                                   | 0.0                                                                                                  | 0.0%                 | 0.0                                                                                                | 0.0%                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|                                                                                                                                                                                          | BLM                                                                                                                 | 1.1                                                                                                  | 0.4%                 | 1.1                                                                                                | 0.1%                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|                                                                                                                                                                                          | USFS                                                                                                                | 195.0                                                                                                | 78.9%                | 670.9                                                                                              | 88.5%                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|                                                                                                                                                                                          | Other Federal Lands                                                                                                 | 12.7                                                                                                 | 5.1%                 | 18.7                                                                                               | 2.5%                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|                                                                                                                                                                                          | Tribal                                                                                                              | 0.0                                                                                                  | 0.0%                 | 0.0                                                                                                | 0.0%                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|                                                                                                                                                                                          | Other (Water)                                                                                                       | 1.9                                                                                                  | 0.8%                 | 2.8                                                                                                | 0.4%                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Potential<br/>Pollutants<br/>(see Table 2 for<br/>potential<br/>pollutants<br/>based on<br/>regulatory<br/>database<br/>search and<br/>Figures for<br/>approximate<br/>locations)</b> | Stream Miles in Erodeable Soils <sup>(4)</sup>                                                                      | 443.1                                                                                                |                      | 748.9                                                                                              |                      | <b>Notes</b><br><br>Erosion control measures ("best management practices") may be necessary for land management activities that disturb or leave bare soils in these areas. Maps and data of soil qualities without the 300-foot stream buffer in local areas can be provided to public water systems and communities if additional detail or scale is needed for place-based planning. See Note 4 in Appendix 2.<br><br>More details on shallow landslide susceptibility may be available. Contact DEQ Drinking Water Protection for additional information.<br><br>Includes earth and debris slides, flows, slumps, falls and complex landslide types. Does not include rock material landslide deposits. |
|                                                                                                                                                                                          | High Soil Erosion Potential Percent <sup>(4)</sup><br>(% stream mi w/ high erosion located w/in 300' of the stream) | 40%                                                                                                  |                      | 29%                                                                                                |                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|                                                                                                                                                                                          | Shallow Landslide Potential                                                                                         | see note                                                                                             |                      | see note                                                                                           |                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|                                                                                                                                                                                          | Landslide Deposits <sup>(5)</sup><br>(DOGAMI - SLIDO 3.2)                                                           | high density near intake - see note                                                                  |                      | extensive areas in upper watershed - see note                                                      |                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

|                                                                                                                                                                                                                                                                                                   |                                                                                                                                        |                                                                                       |                                                                                                                                         |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| Water Quality Monitoring Data and Treatment Method                                                                                                                                                                                                                                                | Source Name                                                                                                                            | Entry point for Dexter Lake                                                           | Notes                                                                                                                                   |
|                                                                                                                                                                                                                                                                                                   | Treatment Process                                                                                                                      | Rapid sand filtration, Chlorination                                                   | Complete treatment train: Coagulation, flocculation, sedimentation, rapid sand filtration, powdered activated carbon, hypochlorination. |
|                                                                                                                                                                                                                                                                                                   | Safe Drinking Water Information System Results <sup>(6)</sup>                                                                          | <u>MCL Violations and Significant Detections</u><br><u>(2007-2018)</u> <sup>(6)</sup> |                                                                                                                                         |
|                                                                                                                                                                                                                                                                                                   | Regulated volatile organic chemicals, synthetic organic chemicals and inorganic compounds                                              | none                                                                                  |                                                                                                                                         |
|                                                                                                                                                                                                                                                                                                   | Disinfection byproducts<br>(Total Trihalomethanes (TTHM),<br>Haloacetic acids (five) (HAA5), bromate, and chlorite)                    | none                                                                                  |                                                                                                                                         |
|                                                                                                                                                                                                                                                                                                   | Bacteria (Ecoli and TCR=Total Coliform Rule)                                                                                           | TCR (1 alert 2011)                                                                    |                                                                                                                                         |
|                                                                                                                                                                                                                                                                                                   | DEQ/OHA Source Water Monitoring project test data <sup>(7)</sup><br>ND = All parameters not detected<br>NA = source water not analyzed | NA                                                                                    |                                                                                                                                         |
| Additional raw water quality monitoring data for the drinking water source may be available from other sources including USGS, DEQ's LASAR database, individual water providers, local partners (i.e. soil and water conservation districts or watershed councils) or local volunteer monitoring. |                                                                                                                                        |                                                                                       |                                                                                                                                         |



**Table 2: Summary of Potential Sources of Pollution identified in the 8-hour time-of-travel for the Dexter Lake Intake as identified in readily accessible state and federal databases and GIS layers Updated Source Water Assessment**

see Appendix 2 for Key to Tables for Notes and Descriptions of Acronyms

See Appendix 5 for detailed list of potential sources including potential sources identified in the area delineated area for the groundwater sources.



**PWS Name:** City of Lowell

**PWS Number:** 00492

- This summary only includes potential sources of pollution within the estimated 8-hour time of travel area which is provided as a planning tool since eight hours should provide adequate response time to protect the integrity of the public water system intake after a spill or release at any crossing or discharge point to the stream. It is recommended the water system and community considers increased protection within this 8-hour travel time from the intake for spills and other acute risks. Focus may need to extend further upstream for contaminants that are contributed to the stream over long time periods or recur frequently.

- This information supplements the Original Source Water Assessment Inventory dated between 2000 and 2005 and should be used in conjunction with the original inventory to provide a more detailed analysis of potential sources of pollution.

- Note that due to state database limitations, some sites will require further research to verify presence and location.

| Summary of Regulatory Database Results - State and Federal - see Appendix 5 for detailed list |                                                                                                        |                             |       |
|-----------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|-----------------------------|-------|
| DEQ PCS Code                                                                                  | Potential Contaminant Source (PCS) Type                                                                | Relative Surface Water Risk | Count |
| <b>Agricultural\Forest</b>                                                                    |                                                                                                        |                             |       |
| A04                                                                                           | Crops - Irrigated - Berries, Hops, Mint, Orchards, Vineyards/Nurseries, Green Houses, Vegetables, etc. | H                           | 1     |
| A05                                                                                           | Crops - Nonirrigated - Christmas Trees, Grains, Grass Seeds, Hay, Pasture                              | L                           | 3     |
| A07                                                                                           | Grazing Animals - > 5 Large Animals or Equivalent/Acre                                                 | H                           | 1     |
| A11                                                                                           | Managed Forest Lands - Clearcut Harvested - < 35 yrs                                                   | H                           | 1     |
| A12                                                                                           | Managed Forest Lands - Partial Harvested - <10 yrs                                                     | H                           | 1     |
| A13                                                                                           | Managed Forest Lands - Road Density - > 2 mi/sq mi                                                     | H                           | 1     |
| A15                                                                                           | Recent Burn Areas - < 10 yrs                                                                           | H                           | 1     |
| A16                                                                                           | Managed Forest Lands - Development Status Unknown                                                      | H                           | 1     |
| A51                                                                                           | Fish Hatchery/Aquaculture                                                                              | H                           | 1     |
| A53                                                                                           | Agricultural Irrigation Wells                                                                          | L                           | 1     |
| <b>Residential\Municipal</b>                                                                  |                                                                                                        |                             |       |
| R03                                                                                           | Campgrounds/RV Parks                                                                                   | M                           | 2     |
| R05                                                                                           | Drinking Water Treatment Plants                                                                        | M                           | 1     |
| R06                                                                                           | Fire Station                                                                                           | L                           | 2     |
| R08                                                                                           | Golf Courses                                                                                           | M                           | 1     |
| R09                                                                                           | Housing - High Density - > 1 House/0.5 Acres                                                           | M                           | 12    |
| R10                                                                                           | Municipal/Industrial Landfill                                                                          | H                           | 3     |
| R13                                                                                           | Parks                                                                                                  | M                           | 2     |
| R14                                                                                           | Railroad Yards/Maintenance/Fueling Areas                                                               | H                           | 2     |
| R15                                                                                           | Schools                                                                                                | M                           | 13    |
| R16                                                                                           | Septic Systems - High Density - > 1/Acre                                                               | M                           | 3     |
| R17                                                                                           | Sewer Lines - Close Proximity to PWS                                                                   | M                           | 4     |
| R18                                                                                           | Utility Stations - Hydroelectric Power Equipment                                                       | H                           | 3     |
| R19                                                                                           | Waste Transfer/Recycling Stations                                                                      | H                           | 1     |
| R20                                                                                           | Sewage Treatment Plants                                                                                | H                           | 3     |
| R20                                                                                           | Wastewater Treatment Plants/Collection Stations                                                        | H                           | 10    |
| R51                                                                                           | Possible Chemical Storage - Residential                                                                | M                           | 2     |
| R52                                                                                           | Future Land Development - Residential                                                                  | H                           | 1     |

| DEQ PCS Code                 | Potential Contaminant Source (PCS) Type                                                   | Relative Surface Water Risk | Count |
|------------------------------|-------------------------------------------------------------------------------------------|-----------------------------|-------|
| <b>Commercial\Industrial</b> |                                                                                           |                             |       |
| C02                          | Automobiles - Car Washes                                                                  | M                           | 1     |
| C03                          | Auto - Gas Stations                                                                       | M                           | 1     |
| C03                          | Automobiles - Gas Stations                                                                | M                           | 3     |
| C04                          | Auto - Repair Shops                                                                       | M                           | 3     |
| C07                          | Chemical/Petroleum Processing/Storage                                                     | H                           | 27    |
| C10                          | Fleet/Trucking/Bus Terminals                                                              | M                           | 2     |
| C12                          | Furniture/Lumber/Parts Stores                                                             | M                           | 2     |
| C14                          | Junk/Scrap/Salvage Yards                                                                  | H                           | 1     |
| C18                          | Mining Activities - Active - sand/gravel/rock/soil                                        | H                           | 3     |
| C18                          | Mining Activities - Gravel Mines/Gravel Pits                                              | H                           | 1     |
| C19                          | Office Buildings/Complexes                                                                | L                           | 1     |
| C20                          | Parking Lots/Malls - > 50 Spaces                                                          | H                           | 2     |
| C21                          | Photo Processing/Printing                                                                 | H                           | 1     |
| C50                          | Others (List)                                                                             | H                           | 1     |
| C52                          | Communications Office                                                                     | L                           | 7     |
| C53                          | Construction Company                                                                      | M                           | 1     |
| C58                          | Known Contamination Sites/Plumes/Spills (ECSI)                                            | H                           | 6     |
| C59                          | Known Contamination listed as NFA (Sites/Plumes/Spills from ECSI)                         | L                           | 3     |
| C60                          | Maintenance Shop/Equipment Storage - Not Transportation Related                           | M                           | 2     |
| C60                          | Maintenance Shop/Equipment Storage - Not Transportation Related                           | M                           | 1     |
| C61                          | Maintenance Shop/Equipment - Transportation Related                                       | M                           | 1     |
| C61                          | Maintenance Shop/Equipment Storage - Transportation Related                               | M                           | 2     |
| C64                          | Mining Activities - Inactive - other than sand/gravel/rock/soil                           | M                           | 2     |
| C64                          | Mining Activities - Inactive - other than gravel                                          | M                           | 1     |
| C66                          | Motel                                                                                     | L                           | 1     |
| C69                          | Mining Activities - Inactive - sand/gravel/rock/soil                                      | M                           | 4     |
| <b>Miscellaneous</b>         |                                                                                           |                             |       |
| M01                          | Above Ground Storage Tanks-Excluding Water Tanks and Residential ASTs                     | M                           | 3     |
| M02                          | Channel Alterations - Heavy                                                               | H                           | 1     |
| M04                          | Stormwater Outfalls                                                                       | H                           | 1     |
| M09                          | Homesteads - Rural - Septic Systems < 1/Acre                                              | L                           | 6     |
| M14                          | River Recreation - Heavy Use (inc Campgrounds)                                            | M                           | 8     |
| M14                          | River Recreation - Heavy Use (inc. Campgrounds)                                           | M                           | 2     |
| M18                          | Transportation Corridors - Freeways/Highways or other heavy use roads                     | H                           | 8     |
| M19                          | Transportation Corridors - Railroads                                                      | H                           | 4     |
| M20                          | Transportation Corridors - Herbicide Use Areas                                            | H                           | 1     |
| M22                          | Transportation Corridors - Stream Crossing - Perennial                                    | H                           | 29    |
| M23                          | UST - Confirmed Leaking Tanks - DEQ LUST List                                             | M                           | 2     |
| M24                          | UST - Decommissioned - Inactive                                                           | L                           | 36    |
| M26                          | UST - Confirmed Leaking but listed as NFA - DEQ LUST List                                 | L                           | 42    |
| M27                          | UST - Upgraded and/or Registered - Active                                                 | L                           | 2     |
| M27                          | UST - Upgraded and/or Registered - Active (may also have decommissioned tanks on site)    | L                           | 6     |
| M28                          | UST - Status Unknown                                                                      | M                           | 1     |
| M29                          | Upstream Reservoirs/Dams                                                                  | M                           | 1     |
| M30                          | Wells - Residential/Commercial/Industrial                                                 | M                           | 7     |
| M31                          | Domestic Sewage Treatment with On-Site System/ Large Capacity Septic Systems Serving > 20 | M                           | 2     |
| M31                          | Large Capacity Septic Systems -Class V UIC (serves >20)                                   | M                           | 9     |
| M51                          | Landslide Area                                                                            | H                           | 1     |
| M53                          | Wells - Production                                                                        | M                           | 3     |
| M54                          | Surface Water on 303d list                                                                | H                           | 10    |

| DEQ PCS<br>Code | Potential Contaminant Source (PCS) Type                                     | Relative<br>Surface<br>Water Risk | Count |
|-----------------|-----------------------------------------------------------------------------|-----------------------------------|-------|
| M54             | Surface Water on 303d list                                                  | H                                 | 87    |
| M56             | Transportation Corridors - High Use Roads/Streets                           | H                                 | 4     |
| M57             | DEQ Permitted Stormwater Discharges (NPDES or WPCF)                         | L                                 | 2     |
| M59             | Stormwater Wastewater Injection/Dry Wells, Sumps - Class V UICs             | L                                 | 1     |
| M59             | Stormwater Wastewater Injection/Dry Wells, Sumps - Class V UICs             | M                                 | 3     |
| M61             | Wells - Abandoned                                                           | H                                 | 2     |
| M62             | Industrial or Process Wastewater - WPCF and NPDES/ Lagoons and Liquid Waste | H                                 | 2     |

# Appendix #1

## Developing Strategies For Drinking Water Protection

Many<sup>1</sup> public water systems in Oregon will receive an Updated Source Water Assessment (USWA) developed by the Oregon Department of Environmental Quality (DEQ) and the Oregon Health Authority (OHA) drinking water protection team by 2017. USWAs provide the water systems and communities more detailed information on the watershed or recharge area that supplies their well, spring or intake (the “drinking water source area”). Public water systems and local communities can use the information in the assessments to voluntarily develop and implement drinking water protection strategies.

Requirements for water quality monitoring of public water systems in Oregon provide some degree of assurance of safe drinking water; however, all systems are vulnerable to potential contamination. **One of the best ways to ensure safe drinking water and minimize future treatment costs is to develop local strategies designed to protect against potential contamination.** Not only will this add a margin of safety; it will also raise local community awareness of drinking water contamination risks and provide information about how communities and local landowners can help protect their drinking water sources.

### Using Place-Based Planning to Develop Protection Strategies

The drinking water source area for most communities lies partially, if not entirely, outside of their jurisdiction and may include several different governing agencies as well as a diverse mix of landowners, businesses and residents. When developing protection strategies, DEQ and OHA highly recommend that the water system and community involve potentially affected

stakeholders early in the process to foster stakeholder awareness and trust in the resulting strategies.

*Oregon adopted an “Integrated Water Resources Strategy (IWRs)” in 2012 that provides recommendations for how to do a place-based and integrated approach to water resources planning.* This approach helps communities achieve the level of coordination and collaboration to successfully address local water quality and water quantity challenges, such as developing and implementing strategies to protect their drinking water sources. The IWRs Place-Based Planning guidelines describe elements to consider for building a collaborative process, characterizing water-related issues, quantifying existing and future water needs, developing a suite of solutions, and adopting and implementing the plan. More information about the process can be found in this Water Resources Department document: [http://www.oregon.gov/owrd/LAW/docs/IWRS/2015\\_February\\_Draft\\_Place\\_Based\\_Guidelines.pdf](http://www.oregon.gov/owrd/LAW/docs/IWRS/2015_February_Draft_Place_Based_Guidelines.pdf)

### Strategies to Achieve Risk Reduction

The primary goal of the drinking water protection strategies should be to reduce or minimize the risks of pollution in the source water. It is highly improbable that one can *eliminate* risks in any area, but by applying one or more protection strategies, a community will be able to reduce the likelihood of pollutants affecting the water supply in the future. Potential strategies include both general management practices such as conservation or efficiency measures that will apply to the entire drinking water protection area and management practices that can be applied most appropriately by land-use category (commercial/industrial,

Community and Non-Transient Non-Community water systems and systems that have added a new water source since their original source water assessment was completed.



State of Oregon  
Department of  
Environmental  
Quality

### Water Quality - Drinking Water Protection

700 NE Multnomah St.  
Suite 600  
Portland, OR 97232  
Phone: 503- 229-5664  
800- 452-4011  
Fax: 503- 229-6037  
Contact: Julie Harvey  
<http://www.oregon.gov/DEQ/wq/programs/Pages/DWP.aspx>



### Oregon Health Authority Drinking Water Program

444 "A" Street  
Springfield, OR 97477  
Phone: 541- 726-2587  
Fax: 541- 726-2596  
Contact: Tom Pattee  
<http://www.healthoregon.org/dwp>

<sup>1</sup> All community water systems using surface water will receive a USWA. Because of the number of water systems using groundwater in Oregon, the Oregon Health Authority has prioritized completing assessments for new

agricultural/rural, forestry, residential/municipal, and miscellaneous). The following list provides some of the most

common management options as an example to public water suppliers and communities:

| Example Strategies for Drinking Water Protection           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Non-Regulatory Options                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Notify and Educate the Public:</b>                      | Contact property owners within the protection area so they are aware of the need for protection measures. Let them know this is voluntary. Focus educational efforts on basic information about the source water and the relationship between surface activities and the water quality; familiarity with the location of the protected area; basic information on sources of contamination; and effective strategies for safe management of all potential contaminants. Public education/notification can be accomplished using local news outlets, letters to residents, letters to land owners/operators, and bill stuffers/customer mailings. Information signs could be placed adjacent to roadways entering the protection area. Include on the sign the name of the water system/jurisdiction and a phone number where callers can obtain more information or report releases. |
| <b>Use Technical Assistance Resources:</b>                 | Work with local or state providers of technical assistance (e.g., DEQ's regional offices, Soil and Water Conservation Districts, OSU Extension) to encourage the use of best management practices for pollution prevention and waste reduction. Apply for grants or funding to provide financial incentives such as pollution prevention tax credits, low-interest loans or direct subsidies/cost sharing. Provide recognition for environmental friendly businesses and operations (e.g., green awards, plaques/door signs).                                                                                                                                                                                                                                                                                                                                                        |
| <b>Sponsor Hazardous Waste/Unused Chemical Collection:</b> | Establishing a permanent location or holding one-day events to collect hazardous wastes from community residents (including households and small businesses) is an effective way to reduce risks posed by storing hazardous wastes or other chemicals within the protection area. Hold an amnesty (free-disposal) event for unused business or agricultural chemicals stored in the protection area. Set up a local materials exchange program (or publicize existing programs).                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Develop Spill Response Plans:</b>                       | Encourage and assist your local fire department and transportation department with spill response planning. Jurisdictions within protection areas could develop specific spill response procedures to allow quicker response and notifications should a hazardous material spill or release occur. These can be integrated into your county's Emergency Management Plan. Contact the Oregon Department of Transportation (ODOT) for state highways.                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Acquire Land or Rights to Development:</b>              | Community ownership of as much as possible of the critical land areas within the protection area and managed for water quality protection provides some of the best assurance of long-term protection of the public water supply. Protection could be provided by ownership accomplished through methods such as capital or bond fund programs, or through easements and deed restrictions. Private non-profit land conservation organizations or local land trusts in your area can assist you in acquiring land within your protection area by conveyance to a trust, seeking donations, or direct land purchases for conservation.                                                                                                                                                                                                                                                |
| Local Regulatory Options                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Existing Regulations and Permits:</b>                   | Take advantage of opportunities to provide public comment and input when existing regulatory programs are reviewing permits or programs which affect the siting, design, construction, operation or closure of facilities within your protection area. Ensure you are included on regulatory agency contact lists so that you receive announcements for public involvement opportunities. Consider participating in advisory group meetings for specific topics of interest. Ensure that the regulatory programs are aware of your protection area and request that compliance inspections or technical assistance is prioritized in critical areas.                                                                                                                                                                                                                                 |
| <b>Land Use Controls (Zoning/Health Ordinances):</b>       | There are many different types of zoning tools. Your community can identify the protection area with an overlay map and enact specific requirements for land uses and development within these boundaries in order to protect public health. Ordinances applying to sites that pose a risk to water quality within the overlay area may include prohibition of various land uses (such as landfills or underground fuel storage tanks); subdivision controls (such as limiting density or requiring larger lot sizes); special permitting or siting requirements (i.e. placing limitations on the use of toxic and hazardous materials, pesticides, salts); and performance standards (i.e. requiring secondary containment for petroleum or chemical storage over a certain volume).                                                                                                |

## **How do communities use the Updated Source Water Assessments?**

The Updated Source Water Assessment (USWA) provides the information for developing local protection strategies. The USWAs include details characterizing the source area and potential source water risks. It also provides key information that will allow the community to focus limited resources on higher-risk areas within the watershed or recharge zones for wells. The USWA information should be supplemented with local knowledge of the water system and community. The water system and community can refine the delineation of sensitive areas and identification of potential contamination sources through further research, local input and coordination with state agencies.

The USWA source area characterization should be reviewed to clarify the presence, location, operational practices, and actual risks of the identified facilities and land-use activities. Additional potential contaminant sources or sensitive areas may also be added based on local knowledge or additional research. Potential sources with low or no risk (such as landowners who have already incorporated best management practices into their operations to protect your source of drinking water) can be screened out or selected for low priority outreach or technical assistance. Local and state resources can then be directed to the highest priority potential problems in the drinking water source area.

Another way to use the information in the USWA is in developing the water system's contingency plan. Contingency planning focuses on potential threats to the drinking water supply (such as mechanical problems, chemical detections in the source water, chemical spills in the source area, or natural disasters) and the development of procedures to be followed should these events occur. Guidance for preparing a contingency plan and examples are available from OHA. Many contingency plan elements may have already been completed by public water systems as

part of their required Emergency Response Plan. Additional elements can be added as drinking water source protection strategies are developed.

Public water systems may also find it necessary, as a result of either existing or projected increased demand, to explore the development of additional sources for drinking water. Drinking water source protection provides a mechanism that can be used to help select the best site and identify areas that should be protected now so they will provide quality drinking water in the future. Additionally, development of a new groundwater source in the vicinity of existing sources may modify the movement of groundwater in the subsurface, perhaps changing the shape and orientation of existing drinking water source areas. Evaluation of the significance of those changes should be addressed in the protection planning process to ensure that the management strategy in place will continue to protect the community's drinking water supply.

## **Need assistance?**

Drinking water source protection is already at work in Oregon. A number of Oregon communities are currently developing and implementing strategies to protect their drinking water source areas. Successful drinking water protection plans developed in Oregon are available to communities as templates or examples. Staff members at OHA and DEQ are available to provide assistance, and extensive written materials are available to local community groups or consultants to assist in developing drinking water protection plans or strategies.

Detailed information about developing drinking water source protection strategies can be found on DEQ's Drinking Water Protection Program website. The website also includes Updated Source Water Assessment methods and results, Resource Guides for both [surface water](#) and [groundwater](#), sample Drinking Water Protection Plans,

information for schools, and links to many other useful sites: <http://www.oregon.gov/deq/wq/programs/Pages/DWP.aspx>

The OHA – Drinking Water Program website includes system characteristics, monitoring data, contacts for all public water systems in Oregon, drinking water standards, fact sheets on contaminants, information on the Safe Drinking Water Revolving Loan Fund (including Source Protection Fund Grants), Consumer Confidence Reports, and more: <http://www.healthoregon.org/dwp>

Water systems or community members interested in the potential of developing drinking water protection strategies should contact the respective DEQ and OHA coordinators. Those systems using surface water sources should initially

contact Julie Harvey, Drinking Water Protection Program Coordinator, DEQ, Portland, (503) 229-5664. Groundwater-based water systems should initially contact Tom Pattee, Groundwater Coordinator, OHA, Springfield, (541) 726-2587 x24. As the state moves further into the protection phase of the Oregon program, DEQ and OHA will be able to direct individual requests for assistance to specific staff trained and experienced in that area, both within the state agencies and in other partner organizations.

### **Alternative formats**

Documents can be provided upon request in an alternate format for individuals with disabilities or in a language other than English for people with limited English skills. To request a document in another format or language, call DEQ in Portland at 503-229-5696, or toll-free in Oregon at 1-800-452-4011, ext. 5696; or email [deqinfo@deq.state.or.us](mailto:deqinfo@deq.state.or.us).

## Key to Figures and Tables including Notes and Symbols Updated Source Water Assessments

### General Legend:

-  Public water system surface water
-  Public water system drinking water source
-  Nearby public water system surface water
-  Nearby public surface water system drinking water source area
-  Stream (NHD)
-  Interstate
-  U.S. Routes
-  Oregon Routes
-  City limits (ODOT, 2013)
-  Urban Growth Boundary
-  County Boundary

### Erosion Potential:

**Streams near soils with significant erosion potential. Erosion control measures (BMPs) may be necessary for land management activities that disturb or leave bare soils in these areas.**

Streams (NHD) with significant erosion potential from intensive (>75%) soil surface disturbance (i.e. tilled or bare soils) (NRCS-RUSLE2/ODA-EVI; see Note 4a).

Streams (NHD) with significant erosion potential from substantial (50-75%) soil surface disturbance (NRCS off-road/off-trail ratings; see Note 4b).

Streams (NHD) with significant erosion potential (slope>30% using USFS SRI data, NRCS SSURGO data not available; see Note 4c).

### Landslide Information

-  Landslide Deposits (non-rock material, includes earth and debris slides, flows, slumps, falls and complex) (DOGAMI SLIDO3.2)
-  Scarp Flanks (DOGAMI SLIDO-3.2)
-  Scarps (DOGAMI SLIDO-3.2)

### Land Ownership/Use:

-  Private Urban Lands (within city limits)
-  Private Rural Lands (private non-industrial outside city limits)
-  Agriculture (Ag Zoning (BLM) and NASS 2013)
-  Private Industrial Forests (ODF data); Lands Managed by Private Industry (BLM)
-  Local Government
-  State Dept. of Forestry
-  State - Other
-  Bureau of Land Management
-  U.S. Forest Service
-  Federal - Other
-  Bonneville Power Administration
-  Bureau of Indian Affairs
-  Undetermined
-  Water

### Potential Sources of Pollutants identified in State and Federal Regulatory Databases:

-  Confined Animal Feeding Operations (ODA as of 1/20/216)
-  Dry Cleaner, Active (DEQ as of 2015)
-  Dry Cleaner, Dry Store (DEQ as of 2015)
-  Dry Cleaner, Closed (DEQ as of 2015)
-  Dry Cleaner, Inactive (DEQ as of 2015)
-  Dry Cleaner, Solvent Supplier (DEQ as of 2015)
-  Environmental cleanup site with known contamination (DEQ as of 01/2016)
-  Environmental cleanup site No Further Action required or otherwise lower risk (DEQ as of 01/2016)
-  Hazardous Material Large Quantity Generator (DEQ - HW as of 1/02/2016)
-  Hazardous Material Small Quantity or Conditionally Exempt Generator (DEQ - HW as of 1/02/2016)
-  Hazardous Material Transport, Storage, and Disposal sites (DEQ - HW as of 1/2016)
-  Hazardous Substance Information System (OSFM as of 2009)
-  Hazardous Substance Information System - AST (OSFM as of 2009)
-  Leaking underground storage tank - Confirmed (DEQ as of 9/2012) (Location will likely need verification.)
-  Leaking underground storage tank with No Further Action required or otherwise lower risk (DEQ as of 9/2015) (Location will likely need verification.)
-  Mining permits (DOGAMI as of 1/16/2014)
-  Oil and Gas wells (permitted only) (DOGAMI as of 7/2016)
-  Updated Source Water Assessment Potential Contaminant Source - Area-wide source (DEQ as of 2017)
-  Updated Source Water Assessment Potential Contaminant Source - Point source (DEQ as of 2017)
-  Original Source Water Assessment Potential Contaminant Source - Area-wide source (DEQ as of 2005)
-  Original Source Water Assessment Potential Contaminant Source - Point source (DEQ as of 2005)
-  School Locations OR (DHS as of 2015)
-  Solid Waste sites (DEQ - SW as of 1/25/2016)
-  Underground Injection Control (DEQ as of 1/12/2016)
-  Underground Storage Tanks (DEQ as of 1/25/2016) (Location will likely need verification.)
-  Water Quality domestic wastewater treatment sites (DEQ - SIS as of 1/25/2016)
-  Water Quality permits (DEQ - SIS as of 1/25/2016)
-  Major route stream crossings and bridges (ODOT - 2013)
-  Water Quality effluent outfalls (DEQ -WQ as of 2009)
-  Water Quality Concern; lakes - Cat3 (DEQ - 2012)
-  Major route stream crossings & bridges (ODOT - 2013)
-  Water quality limited stream/lake, DEQ 303(d) list Cat 4A or 5, TMDL approved or needed (DEQ - 2012)
-  Water Quality Concern stream/lake, DEQ 303(d) Cat.3, Insufficient Data (DEQ - 2012)

### Key to Figures and Tables including Notes and Symbols Updated Source Water Assessments

#### Notes

(1) DWSA - drinking water source area - delineated as the 5th-field watershed upstream of the intake. Oregon's surface water source areas are delineated intake to intake. For watersheds with more than one intake, the DWSA is the watershed segment from the PWSs intake to the next intake upstream. All protection areas upstream of a specific water system's intake are included in the drinking water source area for that water system and PWSs are encouraged to work with other water providers and other entities within the Subbasin as they evaluate potential sources and move forward with developing protection strategies.

**Time of travel to the intake (8-hour TOT estimate):** For surface water systems that encompass an area greater than 100 square miles DEQ has also estimated the area within an 8-hour time of travel from the intake. The 8-hour time of travel distance was estimated using Extended Unit Runoff Method (EROM) for the intake's stream segment in the National Hydrography Dataset (NHDPlus V2). Input data for EROM includes runoff, temperature, precipitation and the model is calibrated using stream gage flow records. For estimating the 8-hour time of travel distance, DEQ used the NHDPlus-V2 mean annual flow estimate (V0001E) attribute which provides a calculated stream velocity in the reach at mean flow. For purposes of this assessment, the 8-hour time of travel is calculated only for the intake's reach segment and is shown as a radial ring originating at the intake which conservative estimate of the upstream 8-hr time of travel distance. For lakes and reservoirs, the 8-hour time of travel includes both the lake/reservoir length and an 8-hr time of travel distance calculated based on the nearest stream segment upstream of the reservoir or lake. This conservative method is used for lakes and reservoirs because data for residence times and dilution are not readily available. The 8-hour time of travel area is provided as a planning tool for the public water system and community since eight hours should provide adequate response time to protect the integrity of the public water system intake after a spill or release at any crossing or discharge point to the stream. Although potential risks to the water supply can exist throughout the watershed, the area within an 8-hour time of travel from the intake is the area where contamination poses the greatest threat to the drinking water supply. It is recommended the water system and community considers increased protection within this 8-hour travel time from the intake for spills and other acute risks. Focus may need to extend further upstream for contaminants that are contributed to the stream over long time periods or recur frequently.

(2) There are independent public water systems that purchase water from the water systems listed and distribute it within their service areas. The total population served listed includes these "wholesale" customers and the total number of PWSs using the source water is also provided.

#### (3) Land Ownership/Use

The dataset is a combination of multiple datasets and was developed by DEQ in 02/2015 and updated 03/2017. The primary dataset is from Bureau of Land Management BLM (OWNERSHIP\_POLY.shp dated 06/20/2013) obtained from BLM at: <http://www.blm.gov/or/gis/data-details.php?id=425>. Publication date: 20130718. The dataset has been modified by grouping land owner categories in order to simplify data display on the map and using geospatial techniques to add additional data to capture the following land uses:

- agricultural land using a combination of the National Agricultural Statistics Service (NASS) data from Natural Resource Conservation Service (2007 "cdl\_awifs\_r\_or\_2007.tif") and agricultural land zoning from OR Dept. of Land Conservation and Development (note that public water systems may obtain more detailed information on potential crop types using the US Department of Agriculture National Agricultural Statistics Service "CropScape-cropland data layer." Available at <https://nassgeodata.gmu.edu/CropScape/>),
- private industrial forests using Oregon Dept. of Forestry's (ODF) Private\_Industrial\_2006\_ORLambert.shp" last updated in 2013,
- local government land combined from BLM ownership, tax lot ownership information from local county tax lot data and "OR Map" on-line application: <http://www.ormap.net/>,
- private urban lands based on private lands located within 2016 city limits, and
- all other categories (BLM, USFS, State, etc) from BLM 06202013 data. Note that Private urban lands may include residential, municipal, commercial, and industrial land uses. Private non-urban lands typically include rural residential land but may also include commercial and industrial land uses.

### Key to Figures and Tables including Notes and Symbols Updated Source Water Assessments

Because of the nature of combining multiple datasets, minor discrepancies will be seen in some maps especially at larger scales. Public water systems and communities could use tax lot data available from the counties or other datasets to further refine the analysis if higher accuracy is needed.

#### **(4) High Soil Erosion Potential**

For this updated source water assessment, DEQ used three different soil evaluation methods for estimating soil erosion potential depending on the overall slope of the land surface and data availability. These datasets are as follows:

**(4a) For areas with > 75% soil disturbance (such as tilled or bare soils) AND lower slopes (generally  $\leq 30\%$ , i.e. valleys and agricultural lands):** Potential erosion rates are predicted using USDA Natural Resource Conservation Service (NRCS) Revised Universal Soil Loss Equation -2 (RUSLE2), under conditions of exposed soil lacking both plant roots and conservation practices to reduce or control erosion. The Oregon Dept. of Agriculture's Erosion Vulnerability Index (EVI) utilizes the same approach, and erosion rate classifications used are from ODA's EVI documentation. The NRCS-RUSLE2/ODA-EVI method utilizes the whole soil erodibility ( $K_w$ ), rainfall erosivity (R), and length and gradient of slope (LS) factors from NRCS's RUSLE with the soil cover (C) and conservation practice (P) factors set at a value of 1. Setting soil cover and conservation practice factors to "1" illustrates a worst-case scenario where soil is uncovered and exposed directly to precipitation forces and where no conservation practices are in place. Therefore, this index reflects erosion risk from severe agricultural disturbance without mitigating measures in place. It does not evaluate delivery to surface waters. In the Updated Source Water Assessments, DEQ mapped locations where RUSLE2 values are  $>5$  (indicating moderate to very high erosion vulnerability), slopes are low enough for intensive agriculture ( $\leq 30\%$ ), AND within 300 feet of surface water to estimate where delivery to water is possible. Maps and data of soil qualities without the 300-foot stream buffer in local areas can be provided to public water systems and communities if additional detail or scale is needed for place-based planning.

**(4b) For management activities such as silviculture, grazing, mining, urban development, fire, firebreaks, etc. with < 75% soil surface disturbance** – the risk of soil loss after disturbance activities that expose the soil surface is based on the "off-road/off-trail erosion hazard rating" developed by the USDA NRCS as shown in the Web Soil Survey online viewer (<https://websoilsurvey.sc.egov.usda.gov/App/WebSoilSurvey.aspx>). Surface erosion hazard potential for non-Forest Service lands with soil disturbance is determined by combining the effects of slope and the whole soil erodibility factor ("K<sub>w</sub>-factor") using 1:24,000 Soil Survey Geographic Database (SSURGO) data. The K<sub>w</sub>-factor estimates the susceptibility of soil particles to detachment and movement by water including the effects of rainfall, surface runoff, and infiltration. *Soils with erosion hazard ratings of Moderate, Severe, and Very Severe are more sensitive to extensive ground disturbance such as uncontrolled grazing, forestry, heavy equipment use, fire control, mining, and urban development.* In the Updated Source Water Assessments, DEQ mapped locations where erosion hazard is moderate or higher AND that are within 300 feet of surface water to estimate where delivery to water is possible. Maps and data of soil qualities without the 300-foot stream buffer in local areas can be provided to public water systems and communities if additional detail or scale is needed for place based planning.

According to NRCS, the ratings are:

*Slight*—Erosion is unlikely under ordinary climatic conditions.

*Moderate*—Some erosion is likely; control measures may be needed.

*Severe*—Erosion is very likely; control measures for vegetation re-establishment on bare areas and structural measures are advised.

*Very Severe*—Significant erosion is expected; loss of soil productivity and off-site damages are likely; control measures are costly and generally impractical.

Note that the off-road/off-trail erosion hazard rating assumes up to 75% of the soil surface is bare. Gully erosion, plowing or other disturbances that "disturb up to nearly 100 percent of the area and change the character of the soil", and Histosol soils containing primarily organic materials are not adequately characterized by this method and effects will be underestimated. Erosion hazard from roads and trails can also be accessed using the USDA

### Key to Figures and Tables including Notes and Symbols Updated Source Water Assessments

NRCS Web Soil Survey online viewer (<https://websoilsurvey.sc.egov.usda.gov/App/WebSoilSurvey.aspx>). Areas with >75% disturbance and lower slopes are addressed using the NRCS-RUSLE2/ODA-EVI method – see info in 4a).

**(4c)** Where NRCS SSURGO data is not available (typically National Forest lands), Soil Resource Inventory (SRI) information from the US Forest Service was used to determine erosion potential. Erosion potential for soils represented in the SRI data is based on available representative data attributes such as sedimentation yield potential, sediment, or surface soil erosion potential. Specific information on the factors used for each National Forest to evaluate sensitivity is available from DEQ upon request. In the Updated Source Water Assessments, DEQ mapped locations where soils with erosion risk is within 300 feet of surface water to estimate where delivery to water is possible.

#### **(5) Landslide Information**

OR Department of Geology and Mineral Industries (DOGAMI) Statewide Landslide Information Database of Oregon Release 3.2 (SLIDO-3.2). Includes earth and debris slides, flows, slumps, falls and complex landslide types. Does not include rock material landslide deposits. The landslide data set is published to improve the understanding of landslide hazards in Oregon and to provide a statewide base level of landslide data. This product is for informational purposes and may not have been prepared for or be suitable for legal, engineering, or surveying purposes. Users of this information should review or consult the primary data and information sources to ascertain the usability of the information. This publication cannot substitute for site-specific investigations by qualified practitioners. Site-specific data may give results that differ from the results shown in the publication. For more information see: <http://www.oregongeology.org/sub/slido/>

OR DEQ's Water Quality Program is currently working with DOGAMI to develop and provide a more detailed landslide potential analysis for public water systems. Contact Oregon DEQ's Water Quality Program for further information on the analysis. If data is available for the specific area, DEQ will provide the more detailed landslide analysis to the public water system.

**(6) Safe Drinking Water Information System (SDWIS)** data is obtained from Oregon Health Authority's Data Online available at <https://yourwater.oregon.gov/>.

- "Significant detections" indicate water quality tests with analytical results greater than the detection limit (for volatile and synthetic organic compounds (VOCs and SOC)) or one-half of the maximum allowable contaminant level (for inorganic compounds (IOC), arsenic and nitrate). Significant detections are not water quality violations but may require follow-up actions by the OHA Drinking Water Program. Significant detections are available as "alerts" in OHAs Data Online.
- Maximum Contaminant Level (MCL) Violations indicate samples that exceed the MCL and may be based on an average of samples or violation of a treatment technique (i.e. lead and copper rule). Maximum Contaminant levels and action levels for chemicals are available OAR 333-061-0030. Does not include violations for late/non-reporting or treatment/distribution system deficiencies.
- A full list of tested and regulated volatile organic chemicals, synthetic organic chemicals and inorganic compounds and disinfection byproducts is provided in OAR 333-061-0030 and OAR 333-061-0036. Only regulated chemicals are reported in SDWIS. It is important to note that public water system compliance data is collected after drinking water treatment, typically at the entry point to the distribution system.

**(7) DEQ/OHA source water monitoring project** samples were collected between 2008 and 2012 and analyzed for several hundred compounds, including Oregon-specific herbicides, insecticides, pharmaceuticals, volatile organic compounds (including cleaners), fire retardants, polycyclic aromatic hydrocarbons (organic compounds produced as byproducts of fuel burning) and plasticizers. Only the contaminants that were detected are listed. The concentrations of compounds listed were detected at very low levels well below existing standards and guidelines and are well within acceptable limits. The primary objective of this ongoing monitoring program is to identify priorities for drinking water protection through water quality data. Water quality samples are taken from raw source waters, not treated drinking water. A comprehensive list of analytical methods, compounds, and detection

### Key to Figures and Tables including Notes and Symbols Updated Source Water Assessments

limits is available in each Analytical Report (search DEQ database or by request) and information is summarized at <http://www.oregon.gov/deq/wq/programs/Pages/DWPAssessments.aspx>

#### **Inventory of Potential Sources of Pollution (Table 2 and Figures)**

This information is intended to supplement the original Source Water Assessment completed for the water system between 2000 and 2005 by DEQ and Oregon Health Authority. This update should be used in conjunction with the original inventory. DEQ can provide more information on potential impact, risk and status as the public water system moves into developing protection strategies.

The inventory of potential sources of pollution is based on the readily-available state and federal regulatory databases listed below and general categories of land use/ownership. The primary intent is to identify and locate significant potential sources of contaminants of concern. Areas with agricultural, septic systems, or managed forests are generally not identified in the regulated databases but are presented in the figures as a factor of land ownership/use.

It is important to remember that the sites and areas identified are only potential sources of contamination to the drinking water. Water quality impacts are not likely to occur when contaminants are used and managed properly and land use activities occur in such a way as to minimize erosion and contaminant releases.

It is highly recommended that the community “enhance” or refine the delineation of the sensitive areas and the identification of the potential contamination sources through further research and local input. If there were no potential sources of contamination identified during the review of regulatory databases or community’s enhanced inventory, the water system and community should consider the potential for future development to impact the source water.

| Table 2 Header              | Description                                                                                                                                                                           |
|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Database Identifier (DB_ID) | Database Type and site name for identified potential pollutant                                                                                                                        |
| Site Identifier (Site ID)   | Program specific identifier. This is the number or name used to look the site up in the programs regulatory database.                                                                 |
| Status                      | Select information on the site that helps to evaluate potential risk to water quality                                                                                                 |
| Common Name, Address, City  | Common Name, Address and City as listed in the regulatory database. Note that some sites may have addresses associated with responsible party, not the physical location of the site. |
| County                      | County site is located in                                                                                                                                                             |
| Retrieval Date (Ret_Date)   | Date the information was retrieved from the individual programs regulatory database                                                                                                   |
| Data Source                 | Source for geographic information system (GIS) data                                                                                                                                   |

#### **State and Federal Regulatory Database Information**

|               |                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|---------------|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>CAFO</b>   |  | Oregon Department of Agriculture's Confined Animal Feeding Operation database of livestock owners. Includes permitted, non-permitted, and applications. Status indicates facility designation and animal type. Permits typically address conditions for animal waste management. More information at <a href="http://www.oregon.gov/ODA/programs/NaturalResources/Pages/CAFO.aspx">http://www.oregon.gov/ODA/programs/NaturalResources/Pages/CAFO.aspx</a> |
| <b>DOGAMI</b> |  | Oregon Department of Geology and Mineral Industries list of mining sites. Status includes permit status and primary material extracted.                                                                                                                                                                                                                                                                                                                    |

### Key to Figures and Tables including Notes and Symbols Updated Source Water Assessments

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p><b>DC</b></p> <p> Active</p> <p> Dry Store</p> <p> Closed</p> <p> Inactive</p> <p> Solvent Supplier</p> | <p>DEQ Dry Cleaners list</p> <p>Status indicates Facility type and information on historic and current solvent use. Facility Type:</p> <p><i>Dry Cleaner</i> - currently active</p> <p><i>Dry Store</i>: current 'dry store': pickup and drop off point that does not have a dry cleaning machine on site. These sites may still pose a risk as the industry has consolidated over past decades, so many of these used to be dry cleaners and may have contamination.</p> <p><i>Closed site</i>: There is no longer a dry cleaner or dry store on site, and the site has not opted to stay in the program as 'inactive'. Note that when a site changes ownership, the old Dry Cleaner ID (DCID) may be identified as Closed and a new dry cleaner record may be added for the new owner resulting in the potential for on address to have more than one status</p> <p><i>Listed Inactive</i>: Site is no longer a dry cleaner or dry store but the property owner or former operator has opted to continue paying dry cleaner program fees in order to maintain their liability protection &amp; cleanup coverage.</p> <p><i>Solvent Supplier</i>: This may be a chemical supply businesses or individual dry cleaner that imports their own solvent from out-of-state</p> <p>SolventBefore1998: true if dry cleaning solvent was used at this site prior to spill prevention regulations that came in around 1998. If this field is true, there's a higher likelihood that there may be contamination on site.</p> <p>PercUseOngoing: true if perchloroethylene solvent is currently used at the site.</p> |
| <p><b>DWP-PCSs</b></p> <p> area wide</p> <p> point source</p>                                                                                                                                                                                                                                                                                             | <p>Potential sources of contamination (PCS) identified by the DEQ and Oregon Health Authority drinking water protection (DWP) program in the original source water assessments completed between 2000 and 2005. Status includes DEQ's potential contaminant source Code (i.e. M31 or R15), Source type (P= point source, A=Area wide source) and a description of the land use type. Note that sources classified as "Area-wide" were marked at a point on the map closest to the intake, well or spring. Additional detailed maps can be provided upon request for source areas where DWP PCSs are not shown on maps to improve map clarity.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <p><b>DWP-PCS (update)</b></p> <p> </p>                                                                                                                                                                                                                                                                                                                   | <p>Potential sources of contamination (PCS) identified by the OHA or DEQ in the Source Water Assessment updates completed in 2016 and 2017. May include information from interviews with public water system operators, field visits, aerial photograph or topographic map review. A=Area wide source and P= point source as described above for DWP-PCSs.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <p><b>ECSI</b></p> <p></p>                                                                                                                                                                                                                                                                                                                                                                                                                   | <p>DEQ Environmental Cleanup Site Information database. Includes the U.S. EPA National Priorities List (NPL) and the U.S. EPA Comprehensive Environmental Response, Compensation and Liability Information System (CERCLA) list. Includes sites where further assessment or action is needed. More information available at <a href="http://www.oregon.gov/DEQ/Hazards-and-Cleanup/env-cleanup/Pages/ecsi.aspx">http://www.oregon.gov/DEQ/Hazards-and-Cleanup/env-cleanup/Pages/ecsi.aspx</a></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <p><b>ECSI-NFA</b></p> <p></p>                                                                                                                                                                                                                                                                                                                                                                                                               | <p>DEQ Environmental Cleanup Site Information database site where no further action (NFA) is required. Public water system may consider verifying with DEQ that standards used during site investigation were protective of drinking water.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <p><b>HW</b>  LQG</p> <p> SQG or CEG</p>                                                                                                                                                                                                                                                                                                                  | <p>DEQ Hazardous Waste generators that submit an annual report to DEQ. This list includes active facilities in HazWaste.NET (<a href="http://www.oregon.gov/DEQ/Hazards-and-Cleanup/hw/Pages/HW-Reporting.aspx">http://www.oregon.gov/DEQ/Hazards-and-Cleanup/hw/Pages/HW-Reporting.aspx</a>). Status includes information on generator size including LQG (Large Quantity Generator), SQG (Small Quantity Generator), CEG (Conditionally Exempt Generator), and Unknown (may be used oil or universal waste activities or old generators that require further assessment).</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <p><b>HW/TSD</b></p> <p></p>                                                                                                                                                                                                                                                                                                                                                                                                                 | <p>DEQ Hazardous Waste Program registered sites that treat, store or dispose of hazardous waste. Includes both active and inactive sites in the process of closing or in post-closure care that are registered in HazWaste.NET (<a href="http://www.oregon.gov/DEQ/Hazards-and-Cleanup/hw/Pages/HW-Reporting.aspx">http://www.oregon.gov/DEQ/Hazards-and-Cleanup/hw/Pages/HW-Reporting.aspx</a>).</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

### Key to Figures and Tables including Notes and Symbols Updated Source Water Assessments

|                               |                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>LUST</b>                   |    | DEQ leaking underground storage tank (LUST) list - includes sites that have reported releases from petroleum-containing underground storage tanks, including residential heating oil tanks, regulated tanks at gas stations and other commercial facilities, and non-regulated tanks.                                                                                                                             |
| <b>LUST-NFA</b>               |    | DEQ leaking underground storage tank (LUST) list where no further action (NFA) is required or cleanup is completed. PWS may consider verifying with DEQ that standards used during site investigation were protective of drinking water.                                                                                                                                                                          |
| <b>Oil &amp; Gas Wells</b>    |    | Oil and Gas wells from OR Department of Geology and Mineral Industries. Only includes wells with a status of "permitted".                                                                                                                                                                                                                                                                                         |
| <b>OSMB</b>                   |    | Oregon State Marine Board's Boating Access Sites.                                                                                                                                                                                                                                                                                                                                                                 |
| <b>School</b>                 |    | School as identified by Department of Human Services. Further evaluation may be needed to identify if school has onsite/septic system, pesticide use, chemistry lab, vehicle maintenance, or other potential contaminant sources.                                                                                                                                                                                 |
| <b>SFM-HSIS AST</b>           |    | Aboveground storage tank(s) as identified in the State Fire Marshall Hazardous Material Information System (HMIS) site list. Aboveground tanks storing gas products were not included since gaseous compounds rarely pose a threat to surface water or groundwater. Additional information on material stored and tank size is available upon request.                                                            |
| <b>SFM (HSIS)</b>             |    | State Fire Marshall Hazardous Material Information System (HMIS) site list. Status indicates number of different chemicals stored on site. A full list of chemicals with information on storage type and a range of amounts is available on request. Information on materials in a gas-form was not included in the chemical counts since gaseous compounds rarely pose a threat to surface water or groundwater. |
| <b>Stream Crossing/Bridge</b> |  | Oregon Department of Transportation structure in the "Bridge" layer for interstates, highways, or Oregon Routes. Does not include crossings over ODOT 2012 Roads layer. Includes some culverts. Name indicates water body (or other structure) crossed and the highway/route name.                                                                                                                                |
| <b>SW</b>                     |  | DEQ Active Solid Waste Disposal Permits list. Status includes permit type and activity (active, terminated, closure, pending). Solid waste disposal site permits are issued for the following facility types: landfill, solid waste treatment, transfer station/material recovery, composting, incineration, conversion technology, and energy recovery.                                                          |
| <b>UIC – Stormwater</b>       |  | DEQ Underground Injection Control (UIC) list of facilities with registered underground injection control systems that manage Stormwater. Status includes type and number of UIC wells registered.                                                                                                                                                                                                                 |
| <b>UIC – Non-Stormwater</b>   |  | DEQ Underground Injection Control (UIC) facilities with registered underground injection control systems that do not manage stormwater. Status includes type and number of UIC wells registered.                                                                                                                                                                                                                  |
| <b>UST</b>                    |  | DEQ registered underground storage tank (UST) list with details on number of tanks upgraded to current standards, decommissioned and with unknown status that require further assessment.                                                                                                                                                                                                                         |
| <b>WQ SIS</b>                 |  | DEQ Site Information System (SIS) which includes Water Pollution Control Facility (WPCF) permits where discharge to surface water is not allowed and National Pollutant Discharge Elimination System (NPDES) permits for "point source" discharges into surface water. Includes both individual permits (site specific) and general permits covering a category of similar discharges.                            |
| <b>WQ SIS-WWTP</b>            |  | Subset of water quality Site Information System (SIS) for domestic wastewater treatment plants that discharge to surface water                                                                                                                                                                                                                                                                                    |
| <b>WQ SIS Outfalls</b>        |  | Water quality effluent outfalls - location of permitted outfall to water body. May vary from facility address or permitted activity location.                                                                                                                                                                                                                                                                     |

### Key to Figures and Tables including Notes and Symbols Updated Source Water Assessments

|                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>WQL Streams/<br/>Lakes</b><br>TMDL approved or needed ———<br>Insufficient data ..... | Streams and lakes identified by DEQ under Section 303(d) of the Clean Water Act as Water Quality Limited and either having (Category 4A) or needing (Category 5) a Total Maximum Daily Load pollutant load limit. Streams and lakes with insufficient data (Category 3) to make a determination are also shown. Based on Oregon's 2012 Integrated Report and 303(d) list. Contact DEQ basin coordinator for more information ( <a href="http://www.oregon.gov/deq/FilterDocs/basincoordinators.pdf">http://www.oregon.gov/deq/FilterDocs/basincoordinators.pdf</a> ) |
| <b>Transportation Sources</b>                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Interstate/Highway</b><br>Interstate ———<br>U.S. Roads ———<br>Oregon Routes ———      | Oregon Department of Transportation interstate, highway, road or route identified in the Integrated Transportation Information System database.                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Roads</b> ———                                                                        | Oregon Department of Transportation 2012 Roads layer - note roads are usually mapped by section so there will be many duplications of road names.                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Railways</b> —+                                                                      | Railways                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Stream Crossing/Bridge</b> ●                                                         | Oregon Department of Transportation structure in the "Bridge" layer for interstates, highways, or Oregon Routes. Does not include crossings over ODOT 2012 Roads layer. Includes some culverts. Name indicates water body (or other structure) crossed and the highway/route name.                                                                                                                                                                                                                                                                                   |



State of Oregon  
Department of  
Environmental  
Quality

## Appendix #3

# 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 2018). For active links, this list is located at <http://www.oregon.gov/deq/wq/programs/Pages/DWP-Pubs.aspx> see “A Summary of Technical Assistance Resources”

| General Water Quality Information                                                       |                                                                                                                                                                                                                                                                                                                                     |
|-----------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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="http://www.oregon.gov/LCD/pages/waterqualitygb.aspx">http://www.oregon.gov/LCD/pages/waterqualitygb.aspx</a>                                                                                                                                                                                                               |
| DEQ Toxics Reduction Strategy                                                           | <a href="http://www.oregon.gov/deq/Hazards-and-Cleanup/ToxicReduction/Pages/Reducing-Toxics.aspx">http://www.oregon.gov/deq/Hazards-and-Cleanup/ToxicReduction/Pages/Reducing-Toxics.aspx</a>                                                                                                                                       |
| Oregon's Groundwater Protection Program – who does what? (DEQ)                          | <a href="http://www.oregon.gov/DEQ/wq/programs/Pages/GWP-about.aspx">http://www.oregon.gov/DEQ/wq/programs/Pages/GWP-about.aspx</a>                                                                                                                                                                                                 |
| Groundwater Basics for Drinking Water Protection (DEQ)                                  | <a href="http://www.oregon.gov/deq/FilterDocs/dwpGwBasics.pdf">http://www.oregon.gov/deq/FilterDocs/dwpGwBasics.pdf</a>                                                                                                                                                                                                             |
| Protecting Oregon's Groundwater from Contamination (OSU)                                | <a href="http://groundwater.orst.edu/groundwater/">http://groundwater.orst.edu/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="http://www.oregon.gov/DEQ/wq/Pages/Harmful-Algal-Blooms.aspx">http://www.oregon.gov/DEQ/wq/Pages/Harmful-Algal-Blooms.aspx</a>                                                                                                                                                                                             |
| Residential Areas, Parks and Golf Courses                                               |                                                                                                                                                                                                                                                                                                                                     |
| 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="http://www.oregon.gov/DEQ/Hazards-and-Cleanup/hw/Pages/hhw.aspx">http://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="http://www.oregon.gov/DEQ/Hazards-and-Cleanup/hw/Pages/HHW-by-County.aspx">http://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="http://www.oregon.gov/DEQ/tanks/Pages/hot.aspx">http://www.oregon.gov/DEQ/tanks/Pages/hot.aspx</a>                                                                                                                                                                       |
| Proper Care/Maintenance of Heating Oil and Other Unregulated Tank Systems                                                                                                                                                                                           | <a href="http://www.oregon.gov/deq/FilterDocs/ProperCareMaintenance.pdf">http://www.oregon.gov/deq/FilterDocs/ProperCareMaintenance.pdf</a>                                                                                                                                       |
| Oregon resources for on-site septic systems (DEQ)                                                                                                                                                                                                                   | <a href="http://www.oregon.gov/deq/Residential/Pages/Septic-Smart.aspx">http://www.oregon.gov/deq/Residential/Pages/Septic-Smart.aspx</a>                                                                                                                                         |
| Oregon's Onsite Wastewater Management Program (Septic Systems) (DEQ)                                                                                                                                                                                                | <a href="http://www.oregon.gov/DEQ/Residential/Pages/Onsite.aspx">http://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="http://www.nesc.wvu.edu/pdf/ww/septic/epa_septic_guide.pdf">http://www.nesc.wvu.edu/pdf/ww/septic/epa_septic_guide.pdf</a>                                                                                                                                               |
| Septic Tank Maintenance (DEQ)                                                                                                                                                                                                                                       | <a href="http://www.oregon.gov/deq/FilterDocs/septictankmaintFS.pdf">http://www.oregon.gov/deq/FilterDocs/septictankmaintFS.pdf</a>                                                                                                                                               |
| Septic Systems OSU Extension website (OSU)                                                                                                                                                                                                                          | <a href="http://wellwater.oregonstate.edu/septic-systems-0">http://wellwater.oregonstate.edu/septic-systems-0</a>                                                                                                                                                                 |
| Groundwater protection and your septic system (National Small Flows Clearinghouse)                                                                                                                                                                                  | <a href="http://www.nesc.wvu.edu/pdf/ww/septic/septic_tank3.pdf">http://www.nesc.wvu.edu/pdf/ww/septic/septic_tank3.pdf</a>                                                                                                                                                       |
| Combating Illegal Dumping (DEQ)                                                                                                                                                                                                                                     | <a href="http://www.oregon.gov/DEQ/mm/Pages/Illegal-Dumping.aspx">http://www.oregon.gov/DEQ/mm/Pages/Illegal-Dumping.aspx</a> and <a href="http://www.oregon.gov/DEQ/mm/Pages/Illegal-Dumping-Clean-Up.aspx">http://www.oregon.gov/DEQ/mm/Pages/Illegal-Dumping-Clean-Up.aspx</a> |
| Water Well Owner's Handbook & other related guidance documents (WRD)                                                                                                                                                                                                | <a href="http://www.oregon.gov/owrd/pages/pubs/index.aspx">http://www.oregon.gov/owrd/pages/pubs/index.aspx</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="http://www.oregon.gov/deq/FilterDocs/bmpchlorwaterdisp.pdf">http://www.oregon.gov/deq/FilterDocs/bmpchlorwaterdisp.pdf</a>                                                                                                                                               |
| Source Water Protection Publications (EPA) for managing various including:<br>Septic Systems<br>Turfgrass and Garden Fertilizer Application<br>Small-Scale Application of Pesticides<br>Small Quantity Chemical Use<br>Pet and Wildlife Waste<br>Storm Water Runoff | <a href="http://www.oregon.gov/DEQ/wq/programs/Pages/DWP-Pubs.aspx">http://www.oregon.gov/DEQ/wq/programs/Pages/DWP-Pubs.aspx</a><br>(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://www.ipmnet.org/Tim/PSEP_home.htm">http://www.ipmnet.org/Tim/PSEP_home.htm</a>                                                                                                                                                                                     |
| Golf Course Integrated Pest Management (IPM) tool and BMP Generator                                                                                                                                                                                                 | <a href="http://www.greengolfusa.com/tiki-index.php">http://www.greengolfusa.com/tiki-index.php</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=stelprdb1167242">https://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/people/?cid=stelprdb1167242</a>  |
| Source Water Protection Pubs (EPA) for managing various activities including:<br>Agricultural Fertilizer Application<br>Large-Scale and Small-Scale Application of Pesticides<br>Livestock, Poultry and Horse Waste Above Ground and Underground Storage Tanks<br>Small Quantity Chemical Use<br>Turfgrass and Garden Fertilizer Application | <a href="http://www.oregon.gov/DEQ/wq/programs/Pages/DWP-Pubs.aspx">http://www.oregon.gov/DEQ/wq/programs/Pages/DWP-Pubs.aspx</a><br>(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="http://www.oregon.gov/DEQ/Hazards-and-Cleanup/hw/Pages/Miscellaneous-Industries.aspx">http://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/forestrymgmt_index.cfm">http://water.epa.gov/polwaste/nps/forestry/forestrymgmt_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:<br><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><br><a href="https://www.treefarmssystem.org/">https://www.treefarmssystem.org/</a><br><a href="https://us.fsc.org/en-us/certification">https://us.fsc.org/en-us/certification</a><br><a href="http://www.oregonsfi.org/">http://www.oregonsfi.org/</a><br><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="http://www.oregon.gov/deq/FilterDocs/DWPStrategiesComInd.pdf">http://www.oregon.gov/deq/FilterDocs/DWPStrategiesComInd.pdf</a>                                                                                                                                                                                                                                                                                                                                                                     |
| Business and Industry tips for reducing water quality impacts (DEQ)                                                                                                                                                                                                                                                                                                                        | <a href="http://www.oregon.gov/deq/FilterDocs/dwpbusindtips.pdf">http://www.oregon.gov/deq/FilterDocs/dwpbusindtips.pdf</a>                                                                                                                                                                                                                                                                                                                                                                                 |
| Source Water Protection Publications (EPA) for managing various including:<br><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="http://www.oregon.gov/DEQ/wq/programs/Pages/DWP-Pubs.aspx">http://www.oregon.gov/DEQ/wq/programs/Pages/DWP-Pubs.aspx</a><br>(see EPA Source Water Protection Practices Bulletins)                                                                                                                                                                                                                                                                                                                  |
| Free Assistance from DEQ's Toxics Use and Waste Reduction Assistance                                                                                                                                                                                                                                                                                                                       | <a href="http://www.oregon.gov/deq/FilterDocs/TABrochure.pdf">http://www.oregon.gov/deq/FilterDocs/TABrochure.pdf</a>                                                                                                                                                                                                                                                                                                                                                                                       |
| Managing Used Computers and Other Electronic Equipment (DEQ)                                                                                                                                                                                                                                                                                                                               | <a href="http://www.oregon.gov/DEQ/ecycles/Pages/default.aspx">http://www.oregon.gov/DEQ/ecycles/Pages/default.aspx</a>                                                                                                                                                                                                                                                                                                                                                                                     |
| Computer and Electronic Equipment Recyclers (DEQ)                                                                                                                                                                                                                                                                                                                                          | <a href="http://www.deq.state.or.us/ecsearch/Default.aspx">http://www.deq.state.or.us/ecsearch/Default.aspx</a>                                                                                                                                                                                                                                                                                                                                                                                             |
| Underground Injection Control (UIC) Program (DEQ)                                                                                                                                                                                                                                                                                                                                          | <a href="http://www.oregon.gov/deq/wq/wqpermits/Pages/UIC.aspx">http://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="http://www.oregon.gov/deq/FilterDocs/wq/wqpermit/docs/IndBMP021413.pdf">http://www.oregon.gov/deq/FilterDocs/wq/wqpermit/docs/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="http://www.oregon.gov/deq/FilterDocs/marinas.pdf">http://www.oregon.gov/deq/FilterDocs/marinas.pdf</a>                                                                                                                   |
| Clean Marina Program (OSMB)                                                                                                        | <a href="http://www.oregon.gov/OSMB/boater-info/Pages/Clean-Marinas.aspx">http://www.oregon.gov/OSMB/boater-info/Pages/Clean-Marinas.aspx</a>                                                                                     |
| Clean Marina Guidebook (OSMB)                                                                                                      | <a href="http://www.oregon.gov/OSMB/forms-library/Documents/Environmental/entire_clean_marina_guidebook.pdf">http://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>                                                                                                                         |

# Appendix #4

## Funds and Resources for Drinking Water Source Protection

This document provides brief descriptions and contact information for resources available to public water systems, including grants and loans to fund drinking water infrastructure and source protection projects. DEQ's list of ["Technical Information and Factsheets for Water Quality Protection"](#) provides other websites and resources available to public water systems and community members seeking to work on watershed protection.

Note: The Internet links 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 (January 2018).

### Oregon Health Authority (OHA)

Drinking Water Services

Phone: 971-673-0405

Website: [www.healthoregon.org/dwp](http://www.healthoregon.org/dwp)

The Oregon Health Authority (OHA) is the primacy agency for the implementation of the federal Safe Drinking Water Act (SWDA) in Oregon. ORS 338.277 authorizes the OHA to administer the federal Safe Drinking Water Act in Oregon as the Primacy Agency in agreement with the federal government. ORS 448.131 further authorizes the adoption of standards necessary to protect public health through insuring safe drinking water within a water system. Standards in OAR 333-061 outlines requirements for systems to meet MCLs, submit to periodic inspections, and meet enforcement requirements as administered by OHA. As the primacy agency, OHA also approves drinking water treatment plans and sets construction standards, operator certification standards, and enforces rules to ensure safe drinking water. The OHA website has extensive information on drinking water treatment requirements: <http://healthoregon.org/dwp>

In order to assist systems in complying with standards, OHA also provides technical assistance and oversight of grants and loans from the Safe Drinking Water Act for public water system operation and improvements. *For those Safe Drinking Water Act loans and grant funds, the Oregon Health Authority partners with Oregon Infrastructure Finance Authority to provide the financial services (see below).*

### Business Oregon - Infrastructure Finance Authority (IFA)

Infrastructure Finance Authority (IFA)

Municipal Infrastructure Funding

Phone: (503) 986-0123

Website: [www.orinfrastructure.org](http://www.orinfrastructure.org)

IFA is a division of Business Oregon that provides funding for municipally owned infrastructure projects. IFA manages federal infrastructure funds for agencies such as Oregon Health Authority and Housing and Urban Development. IFA is not a regulatory agency but collaborates and supports our state and federal partners with financing programs and technical assistance.



State of Oregon  
Department of  
Environmental  
Quality

#### Water Quality Drinking Water Protection

700 NE Multnomah St.  
Suite 600

Portland, OR 97232

Phone: 503-229-5664

800-452-4011

Fax: 503-229-6037

Contact: Julie Harvey

<http://www.oregon.gov/deq/wq/programs/Pages/dwp.aspx>



#### Center for Health Protection Drinking Water Services

444 "A" Street

Springfield, OR 97477

Phone: 541-726-2587

Fax: 541-726-2596

Contact: Tom Pattee

<http://www.healthoregon.org/g/dwp>

Last Updated 10/2016

By: Sheree Stewart

Internet URLs functional as of 1/3/2018. Document is also available at:

<http://www.oregon.gov/deq/wq/programs/Pages/DWP-Funding.aspx>

The list of available funding programs for drinking water infrastructure and source protection is:

- Safe Drinking Water Revolving Loan Fund (SDWRLF)
- Drinking Water Source Protection Fund (DWSP)
- Water/Wastewater Financing Program (WWFP)
- Special Public Works Fund (SPWF)
- Community Development Block Grant Program (CDBG)
- Port Revolving Loan Fund (PRLF)

### **Safe Drinking Water Revolving Loan Fund (SDWRLF)**

This loan program funds drinking water system improvements needed to maintain compliance with the Federal Safe Drinking Water Act. The Safe Drinking Water Fund is funded by annual grants from the U.S. Environmental Protection Agency (EPA) and matched with funds from the state Water/Wastewater Financing Program. The program is managed by the Oregon Health Authority (OHA), Drinking Water Services. The loans are managed by the Oregon Infrastructure Finance Authority (IFA).

The Safe Drinking Water Revolving Loan Fund (SDWRLF) is designed for water source, treatment, distribution, storage and related infrastructure projects. Funding is available for all sizes of water systems, although 15 percent of the funds are reserved for systems serving a population of fewer than 10,000. Eligible applicants can be owners of water systems that provide service to at least 25 year-round residents or systems that have 15 or more connections (or a nonprofit with 25 or more regular users). Owners can be a nonprofit, private party or municipality, but systems cannot be federally owned or operated.

To be eligible for funding, a project must solve an existing or potential health hazard or noncompliance issue under federal/state water quality standards. The following are the main types of eligible activities:

- Engineering, design, upgrade, construction or installation of system improvements and equipment for water intake, filtration, treatment, storage, transmission
- Acquisitions of property or easements
- Planning, surveys, legal/technical support and environmental review
- Investments to enhance the physical security of drinking water systems, as well as water sources

*SDWRLF loan amount:* The program provides up to \$6 million per project (more with additional approval) with the possibility of subsidized interest rate and principal forgiveness for a Disadvantaged Community. The standard loan term is 20 years or the useful life of project assets, whichever is less, and may be extended up to 30 years under SDWRLF for a Disadvantaged Community. Interest rates are 80 percent of state/local bond index rate.

To apply, the municipality should first submit a Letter of Interest to Oregon Health Authority where it will be rated and ranked. Call Oregon OHA Drinking Water Services at 971-673-0422 or go to the OHA website:

[www.healthoregon.org/srf](http://www.healthoregon.org/srf)

Projects placed on the Project Priority List will be invited to apply through IFA for funding. Contact your IFA Regional Coordinator for assistance and more information. Call IFA at 503-986-0123 or

<http://www.orinfrastructure.org/>

### **Drinking Water Source Protection Fund (DWSP)**

From the Safe Drinking Water Act, loans and grants are also available for drinking water protection projects: low interest *loans up to a maximum of \$100,000 per project*, and *grant funds up to \$30,000 per water system*. Eligible systems include any public and privately-owned Community and Nonprofit Non-Community water systems with a completed Source Water Assessment are able to demonstrate a direct link between the proposed project and maintaining or improving drinking water quality. Eligible activities include those that lead to risk reduction within the delineated source water area or would contribute to a reduction in contaminant concentration within the drinking water source. Projects can take either a local or regional approach. Local projects are defined as activities that concentrate on a public water system's source area(s). Regional projects are defined as activities that involve multiple communities and/or water systems attempting to address a common source water issue or group of issues.

The categories for eligible projects for DW Source Protection funding include the following:

**Refined Delineation** OHA and DEQ have completed delineations for most drinking water source areas (DWSA) for the community and non-community public water systems. DWSAs include aquifer recharge areas for groundwater sources and watershed areas for surface sources. DW Source Protection funding can be used to complete, update, or refine DWSA delineations using new or additional site-specific information as part of a more comprehensive protection strategy.

#### **Updated Assessment**

**Inventory** – Projects that improve upon existing potential contaminant source inventories available from the DEQ database, Geographic Information System, and Assessment Reports prepared by OHA/DEQ. A project could involve expanding or updating the inventory of land uses or existing and potential point and non-point contaminant sources.

**Evaluation** – Projects establishing a water quality monitoring project to evaluate existing and potential threats to water quality. This could include evaluating and prioritizing potential threats (or protection activities) based upon new or more detailed information.

#### **Source Protection Planning**

Projects designed to identify appropriate protection measures, including development of a comprehensive DW Source Protection plan, educational projects, projects to identify and ensure implementation of Best Management Practices (BMPs), development of local DW Source Protection ordinances, development of restoration or conservation plans for the source area for future easement or land acquisition.

#### **Implementation**

Funds can be used to implement many types of protection strategies in drinking water source areas. This can include implementation of any *eligible activities that will reduce risks within the source water area or would contribute to a reduction of contaminant concentration within the drinking water source(s)*.

Examples of the types of projects that can be funded include:

- Implementing drug-take-back projects in source areas
- Projects for reducing pesticide application rates and loadings in source area
- Implementing pesticide and household hazardous waste collection events
- Closure of high-risk abandoned or unused (private or irrigation) wells close to supply well
- Projects for reforestation or replanting in sensitive or riparian areas
- Installation of fencing to protect sensitive riparian source areas
- Installation of signs at boundaries of zones or protection areas
- Projects for assessing risks from onsite systems near supply wells, inspections, pump-outs, or decommissioning onsite systems.
- Secondary containment for high-risk ABOVE ground tanks
- Focused workshop events for household/business instruction for changing to alternative nonhazardous product usage (“green chemical” products)
- Seismic spill prevention or inspection project in proximate areas for high-risk sources
- Permanent abandonment (i.e. filling) of inadequately constructed private wells within the source area
- Installation of fencing around the immediate intake or well area to provide protection
- Structures to divert contaminated stormwater runoff affecting the source area
- Set up ecosystem services (or similar) project in watershed to fund preservation areas
- Implementation of pollution prevention or waste reduction projects
- Restoration and/or conservation projects within the drinking water source area
- Implementation of water reuse and other conservation measures related to source protection
- Implementation of best management practice projects
- Implementation of conservation easements to protect sensitive source areas
- Implementation of a drinking water source protection ordinance
- Establishing management plans for easements or lands purchased within source areas
- Development of educational flyers/brochures for purposes of public education

- Purchase of lands within the drinking water source area (funded only via low interest loans)

Any *Public and Privately-owned Community and Nonprofit Non-Community water systems* with a completed *Source Water Assessment* are eligible for funds. A “community water system” is defined as a public water system that has 15 or more service connections used by year-round residents, or which regularly serves 25 or more year-round residents. This includes water systems that are owned privately, by non-profit or public entities such as a city, district, or port. A “nonprofit non-community water system” is a public water system that is not a community water system and that regularly serves at least 25 people (more than 6 months per year) and is legally recognized under Oregon law as a nonprofit entity.

For the source water protection funds, contact OHA regarding the letter of interest submittal schedule. Call Oregon OHA Drinking Water Services at 971-673-0422 or go to the OHA website: [www.healthoregon.org/srf](http://www.healthoregon.org/srf) or contact IFA at 503-986-0123; [www.orinfrastructure.org](http://www.orinfrastructure.org)

### **Water/Wastewater Funding Program (WWFP)**

This loan program funds the design and construction of public infrastructure needed to ensure compliance with the Safe Drinking Water Act or the Clean Water Act. The public entities that are eligible to apply for the program are cities, counties, county service districts, tribal councils, ports, and special districts as defined in ORS 198.010. Municipalities must either have a documented compliance issue or the potential of a compliance issue in the near future.

Allowable funded project activities may include:

- Construction costs, including Right of Way and Easements, for improvement or expansion of drinking water, wastewater or stormwater systems
- Design and construction engineering
- Planning/technical assistance for small communities

#### **WWFP Loans**

The maximum loan term is 25 years or the useful life of the infrastructure financed, whichever is less. The maximum loan amount is \$10 million per project (more with additional approval) through a combination of direct and/or bond funded loans. Loans are generally repaid with utility revenues or voter approved bond issues. A limited tax general obligation pledge also may be required. "Credit worthy" borrowers may be funded through the sale of state revenue bonds.

#### **WWFP Grants**

Grant awards up to \$750,000 may be awarded based on a financial review. An applicant is not eligible for grant funds if the applicant's annual median household income is equal or greater than 100 percent of the state average median household income for the same year.

#### **Funding for Technical Assistance**

The Infrastructure Finance Authority offers technical assistance financing for municipalities with populations of less than 15,000. The funds may be used to finance preliminary planning, engineering studies and economic investigations. Technical assistance projects must be in preparation for a construction project that is eligible and meets the established criteria.

Grants up to \$20,000 may be awarded per project.

Loans up to \$60,000 may be awarded per project.

To apply, call IFA at 503-986-0123, then contact your IFA Regional Coordinator for assistance and more information. <http://www.orinfrastructure.org/>

### **Special Public Works Fund (SPWF)**

The Special Public Works Fund (SPWF) provides funds for publically owned facilities that support economic and community development in Oregon. Funds are available to public entities for planning, design, purchasing, improving and constructing publically owned facilities, replacing publically owned essential community facilities, emergency projects as a result of a disaster, and for planning. Public agencies that are eligible to apply for

funding are cities, counties, county service districts (ORS 451), tribal councils, ports, districts as defined in ORS 198.010, and airport districts (ORS 838).

#### **SPWF Loans**

Loans for development (construction) projects range from less than \$100,000 to \$10 million (more with additional approval). The Infrastructure Finance Authority offers very attractive interest rates that reflect tax-exempt market rates for highly qualified borrowers. Initial loan terms can be up to 25 years or the useful life of the project, whichever is less.

#### **SPWF Grants**

Grants are available for construction projects that create or retain traded-sector jobs. They are limited to \$500,000 or 85 percent of the project cost, whichever is less, and are based on up to \$5,000 per eligible job created or retained. Limited grants are available to plan industrial site development for publically owned sites and for feasibility studies.

To apply, call IFA at 503-986-0123, then contact your IFA Regional Coordinator for assistance and more information. <http://www.orinfrastructure.org/>

#### **Community Development Block Grant (CDBG)**

Grants and technical assistance are available to develop livable urban communities for persons of low and moderate incomes by expanding economic opportunities and providing housing and suitable living environments. Non-metropolitan cities and counties in rural Oregon can apply for and receive grants. *[Oregon tribes, urban cities (Albany, Ashland, Bend, Corvallis, Eugene, Gresham, Hillsboro, Medford, Portland, Salem and Springfield) and counties (Clackamas, Multnomah, Washington) receive funds directly from HUD.]* Funding amounts are based on the applicant's need, the availability of funds, and other restrictions defined in the program's guidelines. The maximum available grant for drinking water system projects is \$3,000,000.

All projects must meet one of three national objectives:

- The proposed activities must benefit low- and moderate-income individuals.
- The activities must aid in the prevention or elimination of slums or blight.
- There must be an urgent need that poses a serious and immediate threat to the health or welfare of the community.

To apply, call IFA at 503-986-0123, then contact your IFA Regional Coordinator for assistance and more information. <http://www.orinfrastructure.org/>

#### **Port Revolving Loan Fund (PRLF)**

The Port Revolving Loan Fund (PRLF) is a loan program to assist Oregon ports in the planning and construction of facilities and infrastructure. Ports must be incorporated under ORS Chapter 777 or 778. The Fund may be used for port development projects (facilities or infrastructure) or to assist port-related private business development projects. The variety of eligible projects is very broad and may include water-oriented facilities, industrial parks, airports and commercial or industrial developments. Eligible project costs can include engineering, acquisition, improvement, rehabilitation, construction, operation, and maintenance or pre-project planning. Projects must be located within port district boundaries. The maximum loan amount is \$3 million at any one time. The loan term can be as long as 25 years or the useful life of the project, whichever is less. Interest rates are set by the IFA at market rates, but not less than Treasury Notes of a similar term minus one percent.

Note: Flexible manufacturing space projects will not accrue interest until the building is at least 25 percent occupied or until three years after the date of the loan contract, whichever is earlier.

To apply, call IFA at 503-986-0123, then contact your IFA Regional Coordinator for assistance and more information. <http://www.orinfrastructure.org/>

## Oregon Department of Environmental Quality (DEQ)

### Clean Water State Revolving Fund (CWSRF)

Clean Water State Revolving Fund

503-229-6412

Website: <http://www.oregon.gov/DEQ/wq/cwsrf/Pages/default.aspx>

Low-cost loans for planning, design, and construction projects to attain and maintain water quality standards, and necessary to protect beneficial uses such as fish habitat, drinking water sources, irrigation, and recreation. Eligible borrowers are public entities, such as cities and counties, Indian tribal governments, sanitary districts, soil and water conservation districts, irrigation districts, various special districts and some intergovernmental entities.

CWSRF offers:

- Low-cost loans and bond purchases
- Lower than market interest rates
- Fixed interest rates
- Terms up to 30 years
- Up to 100% of eligible costs covered
- No match required
- Repayment begins after project is constructed
- No pre-payment penalty
- Additional financial incentives, including principle forgiveness

Applications are accepted year round with scheduled review and ranking in the first week of January, May and September. Contact the Oregon Department of Environmental Quality (DEQ); for a list of CWSRF project officers, go to <http://www.oregon.gov/deq/wq/cwsrf/Pages/CWSRF-Contacts.aspx>.

Financial incentives make CWSRF loans worth exploring. Principle forgiveness is available for communities meeting affordability criteria, or for meeting green project criteria. Implement a non-planning nonpoint source project *and* a traditional point source wastewater treatment project through the same application to reduce your interest rate on the combined two projects to as low as 1%. This combined application is called a sponsorship option.

### CWSRF Pollution Reduction Funding

The Clean Water State Revolving Fund loan program provides low-cost loans to public entities for the planning, design or construction of both point source and nonpoint source projects that *prevent or mitigate water pollution*. Wastewater facility improvements and stormwater management projects are funded with CWSRF.

CWSRF loans fund development of nonpoint source water quality improvement plans, such as an integrated water resources plan and a regional or municipality-wide stormwater management plan. Planning loans can also fund the establishment of watershed partnerships, local ordinances to implement a stormwater master/management plan, engineering and development standards for new and redevelopment, permanent riparian buffers, floodplains, wetlands and other natural features.

CWSRF offers a Local Community Loan, which allows the borrower to make loans to private entities like home owners and farmers. The Local Community Loans fund the repair and replacement of failing decentralized systems. This loan type can also fund nonpoint source agricultural best management practices such as building manure containment structures, manure digesters, and fences to protect riparian resources capture and convert methane, and purchase calibrated application equipment.

CWSRF loans fund a variety of nonpoint source watershed improvement implementation projects such as establishing or restoring permanent riparian buffers and floodplains, and daylighting streams from pipes. Loans can fund protecting and restoring streamside areas, wetlands and floodplains, and to acquire riparian land, wetlands, conservation easements, and land to protect drinking water sources.

More information on DEQ's Clean Water State Revolving Fund program can be found here:

<http://www.oregon.gov/DEQ/wq/cwsrf/Pages/default.aspx>. For specific information on the Sponsorship Option, Planning Loans, Nonpoint Source Loans, or Local Community Loans, see

<http://www.oregon.gov/DEQ/wq/cwsrf/Pages/CWSRF-Application.aspx>. The application requirements for CWSRF loans may take some lead-time to develop and may require out-of-pocket expense to prepare. Prospective CWSRF applicants should discuss any questions about the required content of these items with a regional DEQ CWSRF Project Officer at the earliest opportunity (<http://www.oregon.gov/DEQ/wq/cwsrf/Pages/CWSRF-Contacts.aspx>).

### **Supplemental Environmental Projects (SEPs)**

DEQ's Office of Compliance and Enforcement administer [Supplemental Environmental Projects](#). When DEQ assesses civil penalties for environmental law violations, violators can offset up to 80% of their monetary penalty by agreeing to pay for a Supplemental Environmental Project that improves Oregon's environment. SEPs can be for pollution prevention or reduction, public health protection, environmental restoration and protection as long as it is a project that the respondent is not already required to do by law or where the project would be financially self-serving for the respondent. The work can be completed by a third-party like a local government, watershed council, non-profit or private entity. Coastal PWSs can develop a "SEP Application" with general information that OCE can distribute to respondents. Community organizations with proposed projects are also free to contact respondents on their own initiative. The enforcement case does not necessarily have to be in the same area (watershed/county, etc.) as the environmental project or even address the same media (i.e. air/water/land). Interested parties can sign up for DEQ's public notifications via email at <http://www.oregon.gov/deq/Get-Involved/Pages/Public-Notices.aspx> - when signing up, select types of information (select "enforcement actions") and which counties or subbasins are of interest.

### **Nonpoint Source Implementation 319 Grants**

Nonpoint Source Grants support implementation and planning projects that address water quality problems in surface and groundwater resources resulting from nonpoint source pollution. Funds are appropriated by DEQ through the U.S. Environmental Protection Agency under Section 319 of the Clean Water Act and support a wide variety of management activities, including technical assistance, site assessment, public awareness and education, training, technology transfer, demonstration projects, and monitoring to assess the success of specific nonpoint source implementation projects. Eligible applicants include government agencies, tribal nations and nonprofit organizations. For more information including funding availability, eligible projects, and application requirements and timelines see <http://www.oregon.gov/deq/wq/programs/Pages/Nonpoint-319-Grants.aspx>

## **Oregon Water Resources Department (WRD)**

Water Resources Development Program  
725 Summer Street NE, Suite A  
Salem, OR 97301  
Phone: 503-986-0900

The Water Resources Department is the state agency charged with administration of the laws governing surface and ground water resources. The Department's core functions are to protect existing water rights, facilitate voluntary streamflow restoration, increase the understanding of the demands on the state's water resources, provide accurate and accessible water resource data, and facilitate water supply solutions. WRD is charged with carrying out the water management policies and rules set by the Water Resources Commission and with overseeing the enforcement of Oregon's water laws. By law, all surface and ground water in Oregon belongs to the public.

WRD's mission is to serve the public by practicing and promoting responsible water management through two key goals:

- to directly address Oregon's water supply needs, and
- to restore and protect streamflows and watersheds in order to ensure the long-term sustainability of Oregon's ecosystems, economy, and quality of life.

WRD developed *Oregon's 2012 Integrated Water Resources Strategy* to help individuals and communities address instream and out-of-stream needs now and into the future, including water quantity, water quality and

ecosystem needs. More information can be found at:

[https://www.oregon.gov/owrd/Pages/law/integrated\\_water\\_supply\\_strategy.aspx](https://www.oregon.gov/owrd/Pages/law/integrated_water_supply_strategy.aspx)

There is funding available to support planning, feasibility studies, and implementation of water projects:

### **Place-Based Integrated Water Resources Planning**

Place-based planning is a voluntary, locally initiated and led effort in which a balanced representation of water interests within a basin or watershed work in partnership with the state to: characterize current water resources and issues (water quantity, water quality, ecosystem health); understand current and future instream and out-of-stream water needs and demands; identify and prioritize strategic solutions to address water needs; and, develop a place-based integrated water resources plan that informs the state-wide strategy.

Recent cycle of funding included \$750,000 in grants; requires 25% cost-share.

For more information, contact Harmony Burright at 503-986-0913.

### **Feasibility Study Grants**

Once potential projects are identified, communities often find it difficult to secure funding to assess their viability. This program component addresses that need by providing grant funding to cover 50% of the cost of conducting feasibility studies for potential water conservation, storage and reuse projects. A feasibility study is an assessment of the practicality of a proposed project or plan and can be used to determine if and how a project should proceed to the implementation phase.

Recent cycle of funding included \$2.8 million in grants; 50% cost share required.

For more information, contact Jon Unger at 503-986-0869.

### **Water Project Grants & Loans (formerly Water Supply Development Grants & Loans)**

This account provides grants and loans to evaluate, plan and implement instream and out-of-stream water development projects that have economic, environmental and social/cultural benefits. Eligible projects include, but are not limited to projects that: increase water use efficiency; develop new or expanded storage; allocate federally stored water; promote water reuse or conservation; and protect or restore stream flows.

Recent cycle funding included \$14 million in grants or loans; 25% cost share required; applications accepted year round.

For more information, contact Jon Unger at 503-986-0869.

More details and updates for these grants can be found at:

[http://www.oregon.gov/OWRD/pages/Water\\_Resources\\_Development\\_Program.aspx](http://www.oregon.gov/OWRD/pages/Water_Resources_Development_Program.aspx)

### **Municipal Water Management and Conservation Planning**

Municipal water management and conservation planning provides a process through which cities and other municipal water suppliers estimate long-range water supply needs and identify alternatives, including water conservation programs, to meet those needs. The Department requires many municipal water suppliers to prepare plans as conditions of their water use permits or permit extensions.

### **Water Rights**

Oregon's water laws are based on the principle of prior appropriation. This means the first person to obtain a water right on a stream is the last to be shut off in times of low streamflows. In water-short times, the water right holder with the oldest date of priority can demand the water specified in their water right regardless of the needs of junior users. The date of application for a permit to use water usually becomes the priority date of the right. Watermasters respond to complaints from water users and determine in times of water shortage, which generally occur every year, who has the right to use water. Each summer as streamflows drop, watermasters regulate junior users to provide water to the more senior users. On many streams throughout the state, by the end of summer, there is only enough water to supply users who established their rights in the late 1800s. All of the more recently established rights will have been regulated off by the [watermaster](#).

There are “watermaster” offices located around the state. The watermaster office is an excellent source of local information. Watermasters can research water rights for a particular stream reach and provide supporting maps (above). During critical flow periods, watermasters regulate water usage to enable senior water right holders to satisfy their water right. The watermaster may also provide information regarding instream leases, ground water rights, cancellations, transfers of water rights, streamflow data, and water right information in general (list as of 6/16).

### **WRD Watermasters**

#### **District 1**

##### **Nikki Hendricks**

c/o Port of Tillamook Bay  
4000 Blimp Blvd Ste 400  
Tillamook, Oregon 97141  
Ph: 503-815-1967

#### **District 2**

##### **Lanaya Blakely**

125 East 8th Avenue  
Eugene, OR 97401-2926  
Ph: 541-682-3620

#### **District 3**

##### **Robert Wood**

2705 E 2nd St  
The Dalles, Oregon 97058  
Ph: 541-506-2652

#### **District 4**

##### **Eric Julsrud**

201 S Humbolt, Suite 180  
Grant County Courthouse  
Canyon City, Oregon 97820  
Ph: 541-575-0119

#### **District 5**

##### **Greg Silbernagel**

116 SE Dorion Ave  
Pendleton, OR 97801  
Ph: 541-278-5456

#### **District 6**

##### **Shad Hattan,**

10507 N McAlister Rd #6  
La Grande, Oregon 97850  
Ph: 541-963-1031

#### **District 7**

##### **David Bates**

401 NE First St., Suite 11  
Enterprise, Oregon 97828  
Ph: 541-426-4464

#### **District 8**

##### **Rick Lusk**

Baker County Courthouse  
1995 3rd Street, Suite 180  
Baker City, Oregon 97814  
Ph: 541-523-8224 ext 231

#### **District 9**

##### **Ron Jacobs**

Malheur County Courthouse #4  
251 B St W  
Vale, Oregon 97918  
Ph: 541-473-5130

#### **District 10**

##### **JR Johnson**

Harney County Courthouse  
450 N Buena Vista #3  
Burns, OR 97720  
Ph: 541-573-2591

#### **District 11**

##### **Jeremy Giffin**

231 SW Scalehouse Loop,  
Ste 103  
Bend, Oregon 97702  
Ph: 541-306-6885

#### **District 12**

##### **Brian Mayer**

513 Center St  
Lakeview, Oregon 97630  
Ph: 541-947-6038

#### **District 13**

##### **Shavon Haynes**

10 S Oakdale, Rm 309A  
Medford, Oregon 97501  
Ph: 541-774-6880

#### **District 14**

##### **Jake Johnstone**

700 NW Dimmick St.  
Grants Pass, Oregon 97526  
Ph: 541-479-2401

#### **District 15**

##### **Susan Douthit**

Douglas County Courthouse, Rm  
306  
Roseburg, Oregon 97470  
Ph: 541-440-4255

#### **District 16**

##### **Joel Plahn**

725 Summer St NE, Ste A  
Salem, Oregon 97301  
Ph: 503-986-0889

#### **District 17**

##### **Danette Watson**

305 Main Street  
Klamath Falls, Oregon 97601  
Ph: 541-883-4182

#### **District 18**

##### **Jake Constans**

1400 SW Walnut St, Suite 240  
Hillsboro, Oregon 97123  
Ph: 503-846-7780

#### **District 19**

##### **Greg Wacker**

Physical Address:  
225 N Adams  
Coquille, Oregon 97423  
Ph: 541-396-1905

#### **District 20**

##### **Amy Kim**

10722 SE Highway 212  
Clackamas, Oregon 97015  
Ph: 503-722-1410

#### **District 21**

##### **Ken Thiemann**

221 S Oregon St.  
P.O. Box 427  
Condon, OR 97823  
Ph: 541-384-4207

## Oregon Department of Forestry (ODF)

Salem Headquarters  
2600 State Street  
Salem, Oregon 97310

<http://www.oregon.gov/ODF/Pages/index.aspx>

The Oregon Department of Forestry manages and regulates activities on non-federal forestland in Oregon. There are three main divisions under ODF-- Fire Protection, Private Forests, and State Forests. The Private Forests Division administers the Forest Practices Act and various forestry incentive programs and employs the use of about 50 Stewardship Foresters who work closely with landowners and operators. The State Forests Division is responsible for forest management to provide economic, environmental, and social benefits to Oregonians.

Financial incentive programs are aimed at encouraging and assisting landowners in managing their resources and meeting their objectives. Typical forestry projects can be aimed at protecting the landowner's resources/investment from fire or insect and disease infestation, to increasing its monetary and environmental value in the future.

Information about all ODF and federal forestry-related grants and incentive programs can be found at:

<http://www.oregon.gov/ODF/AboutODF/Pages/GrantsIncentives.aspx>

### Community Forest Program

The Community Forest and Open Space Conservation Program is a federal financial assistance program with grants available to local governments, Indian tribes, and qualified nonprofit organizations to establish community forests and sustainably manage them for many public benefits, including recreation, income, wildlife habitat, stewardship demonstration sites, and environmental education.

### Conservation Stewardship Program

To help landowners and operators maintain existing stewardship and adopt additional conservation on privately-owned, non-industrial working forests and agricultural lands.

### Forest Legacy Program

The Forest Legacy Program is a national program that addresses privately-owned forestlands that face threats of conversion to non-forest use by development pressures. The goal of the Forest Legacy Program is to promote stewardship and sustainable management of private forest lands by maintaining working forests that conserve important forest resource and conservation values. Forest Legacy provides funds for eligible private forestlands for the purchase of development rights through either conservation easement or fee-title acquisition into public ownership. All properties entered into Oregon's Forest Legacy Program – either through conservation easement, fee acquisition or donation – have their forest resources and conservation values protected and managed in accordance with a State Forester-approved Forest Stewardship Plan (see below).

### Forest Stewardship Program

Oregon's Forest Management Planning System recognizes that forest management planning is a journey – Pathways to Stewardship -- involving several distinct steps. A landowner's initial interest may be related to a specific project or action that is pressing on their property – such as reducing hazardous wildfire fuels or combating an invasive weed. Landowner assistance organizations and agencies usually first cross paths through outreach efforts defined around mutual interests or resource concerns. Landowners who are just beginning the management planning process begin a more formal journey by taking the [Woodland Discovery](#) step. Woodland Discovery consists of gathering basic property information and solidifying management goals. The remaining steps for completing your forest management plan include organizing the planning elements into specific management planning modules: soil and water, forest vegetation, fish and wildlife, access and protection, scenery and enjoyment and tax and business. Every step completed along the way results in the identification of specific actions that a landowner can take to improve conditions of the forestland or otherwise meet goals in owning forestland. Completion of a forest management plan opens up formal types of engagement such as forest certification and the enrollment of lands into specialized conservation programs that define a long-term commitment to sustainable forestry.

## Healthy Forests Reserve Program (HFRP)

The goal is to restore and enhance ecosystems and habitat for threatened and endangered species while promoting sustainable timber harvests on working forest lands.

## Department of Agriculture Natural Resources Program

635 Capitol St. NE  
Salem, OR 97301-2532  
Phone: 503 986-4700

<http://www.oregon.gov/ODA/programs/NaturalResources>

The Oregon Department of Agriculture (ODA) is responsible for developing plans to prevent and control water pollution from agricultural activities and soil erosion on rural lands. ODA's Natural Resources Program aims to conserve, protect, and develop natural resources on public and private lands in order to ensure that agriculture will continue to be productive and economically viable in Oregon. Natural Resources Programs work to do the following:

- Address water quality and natural resource conservation on agricultural lands
- Protect Oregon's environment and public health by ensuring the proper and legal sale, use, and distribution of pesticide products
- Assist local soil and water conservation districts as they help landowners properly manage Oregon's natural resources

More information on the Agricultural Plan Areas and Regulations can be found at:

<https://www.oregon.gov/ODA/programs/NaturalResources/AgWQ/Pages/AgWQPlans.aspx>

Information on local management plans and your area's ODA Water Quality Specialist can be found at:

<http://www.oregon.gov/ODA/programs/NaturalResources/AgWQ/Pages/AgWQPlans.aspx>

More information on the regulation and use of pesticides can be found at:

<http://www.oregon.gov/ODA/programs/Pesticides/Pages/default.aspx>

## Department of Agriculture Pesticide Analytical and Response Center (PARC)

<http://www.oregon.gov/ODA/programs/Pesticides/Pages/PARC.aspx>

The Pesticide Analytical and Response Center (PARC) was created by executive order in 1978. The program was reauthorized under the Oregon Department of Agriculture (ODA) as ORS 634.550, in 1991.

PARC is mandated to perform the following activities with regard to pesticide-related incidents in Oregon that have suspected health or environmental effects: Collect incident information, mobilize expertise for investigations, identify trends and patterns of problems, make policy or other recommendations for action, report results of investigations, and prepare activity reports for each legislative session.

PARC does not have regulatory authority. Their primary function is to coordinate investigations to collect and analyze information about reported incidents. Investigation coordination includes collecting reports produced by member agencies and consultation as necessary with a toxicologist with Oregon State University. Member agencies conduct most of the investigations and take any necessary enforcement action(s). The eight member agencies include the following: [Oregon Health Authority \(OHA\)](#), [Oregon Department of Fish and Wildlife \(ODF&W\)](#), [Oregon Department of Environmental Quality \(DEQ\)](#), [Oregon Department of Forestry \(ODF\)](#), [Oregon Occupational Safety and Health Administration \(OR OSHA\)](#), [Office of the State Fire Marshal \(SFM\)](#), [Oregon Poison Center \(OPC\)](#), [Oregon Department of Agriculture \(ODA\)](#).

To report a pesticide incident that has impacted people, animals, or the environment, contact:

Theodore Bunch Jr., PARC Coordination Team Leader at 503-986-6470 or toll-free at 844-688-7272

[PARC@oda.state.or.us](mailto:PARC@oda.state.or.us) or Christina Higby, Citizen Advocate Liaison at 503-986-5105 [chigby@oda.state.or.us](mailto:chigby@oda.state.or.us)

## Department of Agriculture

### Soil and Water Conservation Districts

<http://www.oregon.gov/ODA/SWCD/>

SWCD Program and Water Quality Program Manager: John Byers, 503-986-4718

The Soil and Water Conservation District (SWCD) Program provides services to the 45 Soil and Water Conservation Districts throughout Oregon (list current as of 6/16). SWCDs are local government entities that have authorities to address soil, erosion, and water quality issues.

#### **Benton SWCD**

456 SW Monroe Ave., Suite 110  
Corvallis, OR 97333  
Phone: 541 753-7208  
Website: [www.bentonswcd.org](http://www.bentonswcd.org)

#### **Burnt River SWCD**

3990 Midway Drive  
Baker City, OR 97814  
Phone: 541 523-7121 Ext. 109  
Email: [whitney.collins@bakercountyswcds.com](mailto:whitney.collins@bakercountyswcds.com)

#### **Clackamas SWCD**

221 Molalla Ave., Suite 102  
Oregon City, OR 97045  
Phone: 503 210-6000  
Website: [www.conservationsdistrict.org](http://www.conservationsdistrict.org)

#### **Clatsop SWCD**

750 Commercial St., Room 207  
Astoria, OR 97103  
Phone: 503 325-4571  
Website: [www.clatsopswcd.org](http://www.clatsopswcd.org)

#### **Columbia SWCD**

35285 Millard Road  
St. Helens, OR 97051  
Phone: 503 397-4555  
Website: [www.columbiaswcd.com](http://www.columbiaswcd.com)

#### **Coos SWCD**

371 N Adams St.  
Coquille, OR 97423  
Phone: 541 396-6879  
Website: [www.coosswcd.org](http://www.coosswcd.org)

#### **Crook County SWCD**

498 SE Lynn Blvd.  
Prineville, OR 97754  
Phone: 541 447-3548

#### **Curry County SWCD**

29692 Ellensburg Ave.  
Gold Beach, OR 97444  
Phone: 541 247-2755 Ext. 0#  
Website: [www.currywatersheds.org](http://www.currywatersheds.org)

#### **Deschutes SWCD**

625 SE Salmon Ave., Suite 7  
Redmond, OR 97756  
Phone: 541 923-2204  
Website: [www.deschuteswcd.com](http://www.deschuteswcd.com)

#### **Douglas SWCD**

2741 West Harvard Ave.  
Roseburg, OR 97471  
Phone: 541 957-5061  
Website: [www.douglasswcd.org](http://www.douglasswcd.org)

#### **Eagle Valley SWCD**

3990 Midway Drive  
Baker City, OR 97814  
Phone: 541 523-7121 Ext. 109

#### **East Multnomah SWCD**

5211 N Williams Ave.  
Portland, OR 97217  
Phone: 503 222-SOIL (7645)  
Website: [www.emswcd.org](http://www.emswcd.org)

#### **Fort Rock / Silver Lake SWCD**

17612 Highway 395  
Lakeview, OR 97630  
Phone: 541 947-5855  
Email: [LakeviewSWCD2@hotmail.com](mailto:LakeviewSWCD2@hotmail.com)

#### **Gilliam County SWCD**

Dunn Office Building  
333 S Main St.  
Condon, OR 97823  
Phone: 541 384-2672  
Email: [gilliamswcd@gmail.com](mailto:gilliamswcd@gmail.com)

#### **Grant SWCD**

721 S Canyon Blvd.  
John Day, OR 97845  
Phone: 541 575-0135 Ext. 3  
Email: [jkehrberg@ortelco.net](mailto:jkehrberg@ortelco.net)

#### **Harney SWCD**

530 Highway 20 S  
Hines, OR 97738  
Phone: 541 573-5010  
Email: [marty.suter@or.nacdnet.net](mailto:marty.suter@or.nacdnet.net)

#### **Hood River SWCD**

3007 Experiment Station Drive  
Hood River, OR 97031  
Phone: 541 386-4588 / 386-6719  
Website: [www.hooddriverswcd.org](http://www.hooddriverswcd.org)

#### **Illinois Valley SWCD**

Josephine Co. Office Building  
102 S Redwood Highway  
Cave Junction, OR 97523  
Phone: 541 592-3731  
Email: [amy@ivstreamteam.org](mailto:amy@ivstreamteam.org)

**Jackson SWCD**

89 Alder Street  
Central Point, OR 97502  
Phone: 541 664-1070  
Website: [www.jswcd.org](http://www.jswcd.org)

**Jefferson County SWCD**

625 SE Salmon Ave., Suite 6  
Redmond, OR 97756  
Phone: 541 923-4358 Ext. 101  
Email: [debbe.chadwick@oacd.org](mailto:debbe.chadwick@oacd.org)

**Josephine SWCD**

1440 Parkdale Drive  
Grants Pass, OR 97527  
Phone: 541 474-6840  
Email: [joswcd@outreachinternet.com](mailto:joswcd@outreachinternet.com)

**Keating SWCD**

3990 Midway Drive  
Baker City, OR 97814  
Phone: 541 523-7121 Ext. 109  
Email: [whitney.collins@bakercountyswcds.com](mailto:whitney.collins@bakercountyswcds.com)

**Klamath SWCD**

2316 S 6th St., Suite C  
Klamath Falls, OR 97601  
Phone: 541 883-6932 Ext. 101  
Website: [www.klamathswcd.org](http://www.klamathswcd.org)

**Lakeview SWCD**

17612 Highway 395  
Lakeview, OR 97630  
Phone: 541 947-5855  
Email: [lakeviewswcd2@hotmail.com](mailto:lakeviewswcd2@hotmail.com)

**Lincoln SWCD**

23 North Coast Highway  
Newport, OR 97365  
Phone: 541 265-2631  
Website: [www.lincolnswcd.org](http://www.lincolnswcd.org)

**Linn SWCD**

33935 Highway 99E, Suite C  
Tangent, OR 97389  
Phone: 541 926-2483  
Website: [www.linnswcd.oacd.org](http://www.linnswcd.oacd.org)

**Malheur County SWCD**

2925 SW Sixth Ave., Suite 2  
Ontario, OR 97914  
Phone: 541 889-2588 Ext. 101  
Email: [LRowe@malcoswcd.org](mailto:LRowe@malcoswcd.org)

**Marion SWCD**

338 Hawthorne Ave. NE  
Salem, OR 97301  
Phone: 503 391-9927  
Website: [www.marionswcd.net](http://www.marionswcd.net)

**Monument SWCD**

Columbia Power Building  
311 Wilson St.  
Monument, OR 97864  
Phone: 541 934-2141  
Website: [www.monumentswcd.org](http://www.monumentswcd.org)

**Morrow SWCD**

430 Linden Way  
Heppner, OR 97836  
Phone: 541 676-5452  
Email: [swcdmanager@centurytel.net](mailto:swcdmanager@centurytel.net)

**Polk SWCD**

580 Main St., Suite A  
Dallas, OR 97338  
Phone: 503 623-9680  
Website: [www.polkswcd.org](http://www.polkswcd.org)

**Sherman County SWCD**

302 Scott St.  
Moro, OR 97039  
Phone: 541 565-3216 Ext. 3  
Website: [www.shermancountyswcd.com](http://www.shermancountyswcd.com)

**Siuslaw SWCD**

1775 Laurel Place, Suite 4  
Florence, OR 97439  
Phone: 541 997-1272  
Website: [www.siuswcd.com](http://www.siuswcd.com)

**Tillamook SWCD**

4000 Blimp Blvd., Suite 200  
Tillamook, OR 97141  
Phone: 503 842-2240 Ext. 110  
Website: [tillamookcountyswcd.org/](http://tillamookcountyswcd.org/)

**Tualatin SWCD**

1080 SW Baseline St., Suite B-2  
Hillsboro, OR 97123  
Phone: 503 648-3174 Ext. 4  
Website: [www.swcd.net](http://www.swcd.net)

**Umatilla County SWCD**

1 SW Nye Ave., Suite 130  
Pendleton, OR 97801  
Phone: 541 278-8049  
Website: [www.umatillacountyswcd.com](http://www.umatillacountyswcd.com)

**Umpqua SWCD**

1877 Winchester Ave.  
Reedsport, OR 97467  
Phone: 541 662-1341  
Website: [www.umpquasoilandwater.com](http://www.umpquasoilandwater.com)

**Union SWCD**

10507 N McAlister Road, Room 7  
La Grande, OR 97850  
Phone: 541 963-1313  
Website: [unionswcd.org](http://unionswcd.org)

**Upper Willamette SWCD**  
780 Bailey Hill Road, Suite 5  
Eugene, OR 97402  
Phone: 541 465-6443 Ext. 102  
Website: [www.uwswcd.org](http://www.uwswcd.org)

**Wallowa SWCD**  
401 NE 1st St., Suite E  
Enterprise, OR 97828  
Phone: 541 426-4521  
Email: [cynthia.a.warnock@gmail.com](mailto:cynthia.a.warnock@gmail.com)

**Wasco County SWCD**  
2325 River Road, Suite 3  
The Dalles, OR 97058  
Phone: 541 296-6178 Ext. 3  
Website: [www.wascoswcd.org](http://www.wascoswcd.org)

**West Multnomah SWCD**  
2701 NW Vaughn St., Suite 450  
Portland, OR 97210  
Phone: 503 238-4775  
Website: [www.wmswcd.org](http://www.wmswcd.org)

**Wheeler SWCD**  
40535 Highway 19  
Fossil, OR 97830  
Phone: 541 468-2990  
Website: [www.wheelerswcd.org](http://www.wheelerswcd.org)

**Yamhill SWCD**  
2200 SW Second St.  
McMinnville, OR 97128  
Phone: 503 472-6403  
Fax: 503 472-6407  
Website: [www.yamhillswcd.org](http://www.yamhillswcd.org)

## **Oregon Watershed Enhancement Board (OWEB)**

775 Summer St. NE Suite 360  
Salem, OR 97301  
Phone: (503) 986-0178  
Website: [www.oregon.gov/OWEB](http://www.oregon.gov/OWEB)

The Oregon Watershed Enhancement Board (OWEB) is a state agency that provides grants to help Oregonians take care of local streams, rivers, wetlands and natural areas. Community members and landowners use scientific criteria to decide jointly what needs to be done to conserve and improve rivers and natural habitat in the places where they live. OWEB grants are funded from the Oregon Lottery, federal dollars, and salmon license plate revenue. The agency is led by a 17 member citizen board drawn from the public at large, tribes, and federal and state natural resource agency boards and commissions. OWEB provides grants to projects that contribute to the Oregon Plan for Salmon and Watersheds and the Oregon Conservation Strategy by protecting, restoring and improving clean water and fish and wildlife habitat. See the OWEB website for more information on grants: <https://www.oregon.gov/oweb/grants/Pages/grant-programs.aspx>.

## **Oregon Sea Grant (OSG)**

Oregon State University  
Corvallis, Oregon  
Phone 541-737-2714  
<http://seagrant.oregonstate.edu/>

Oregon Sea Grant serves Oregon coastal communities through integrated research, education and public engagement on ocean and coastal issues. Based at Oregon State University, OSG is part of the national network of NOAA Sea Grant College Programs, dedicated to promoting environmental stewardship, long-term economic development and responsible use of America's coastal, ocean and Great Lakes resources. OSG targets research on better defining the relationships between the many pressures that can degrade water quality: climate change, upland and coastal land use, fish and habitat restoration efforts, aquatic invasive species. OSG works with groups whose interests sometimes come in conflict - landowners, outdoor recreationists, farmers and woodland managers, local government, the general public - to seek solutions that will help sustain healthy watersheds and our precious water resources. OSG focuses on the question of resilience - the ability to plan, adapt and rebound in the face of change by supporting physical and social science research aimed at better understanding ocean and coastal processes and the socio-economic barriers to hazard and climate change preparation. Publications and resources available from OSG can be found here: <http://seagrant.oregonstate.edu/sgpubs>.

OSG and OSU Extension produce textbooks and other publications on such topics as conservation-friendly gardening, sustainable living and low-impact development. OSG also partners with the Oregon State Marine Board to develop the Clean Vessel Act (CVA) Education Initiative. Funded by the Clean Vessel Act of 1992, the goal of the CVA Education Initiative is to improve boaters' awareness, accessibility and use of sewage pump-outs, dump stations, and floating toilets. Publications and resources available from OSG about watershed health can be found here: <http://seagrant.oregonstate.edu/sgps> by using "watersheds and wetlands" in the "Search by Subject" field.

Every two years, OSG awards approximately \$2 million in research grants addressing community preparedness for climate change, watershed health, other urgent or emerging regional needs with high relevance to coastal communities. For more information on grants, see: <http://seagrant.oregonstate.edu/research>

## **Source Water Collaborative**

### **– led by U.S. Environmental Protection Agency**

Technical assistance and lists of resources and contacts are available from this national network that has worked to promote drinking water protection for several years. The Source Water Collaborative is a network of federal, state, and local organizations led by US EPA. Some of the key Source Water Collaborative members include the US EPA, US Department of Agriculture, AWWA, American Planning Association, ASDWA, ACWA, National Rural Water Association, Groundwater Protection Council, National Association of Counties, and The Trust for Public Land. Resources can be found here:

<http://sourcewatercollaborative.org/>

## **U.S. Environmental Protection Agency**

### **Catalog of Federal Funding Sources for Watershed Protection**

This is an online, free searchable database of financial assistance sources (grants, loans, cost-sharing) available to fund a variety of watershed protection projects.

<https://www.epa.gov/waterdata/catalog-federal-funding>

## **U.S. Environmental Protection Agency**

### **Environmental Finance Centers**

Free technical assistance is available through EPA's Environmental Finance Centers. There is currently no Environmental Finance Center for US EPA Region 10, but the resources are still available through the US EPA website. The program mission is to provide help to those facing the "how to pay" challenges of environmental protection. EFC is committed to helping the regulated community build and improve the technical, managerial, and financial capabilities needed to comply with federal and state environmental protection laws.

<https://www.epa.gov/waterfinancecenter/efcn>

## **U.S. Environmental Protection Agency**

### **Community Action for a Renewed Environment (CARE) Grants**

**Eligible Projects:** Prevention of human exposure to harmful pollution; improve water quality. Form community-based collaborative partnerships; identifying and developing an understanding of the many local sources of risk from toxic pollutants and environmental concerns; and setting priorities for the reduction of the identified risks and concerns of the community

**Eligible Applicants:** Local, public non-profit institution/organizations, federally-recognized Indian tribal government, Native American organizations, private non-profit institution/organization, quasi-public nonprofit institution/organization both interstate and intrastate, local government, colleges, and universities

**Funding Available:** \$75,000 to \$100,000 with an average project funding of about \$90,000

**How To Apply:** Currently, EPA has no plans to publish a Request for Proposal for the CARE program due to lack of congressional funding. For updates see: <https://archive.epa.gov/care/web/html/>

## U.S. Bureau of Reclamation Cooperative Watershed Management Program

**Eligible Projects:** Improve water quality; improve ecological resiliency of a river or stream; and to reduce conflicts over water at the watershed level by supporting the formation of watershed groups to develop local solutions to address water management issues

**Eligible Applicants:** States, Indian tribes, local and special districts (e.g., irrigation and water districts, county soil conservation districts, etc.), local governmental entities, interstate organizations, and non-profit organizations. To be eligible, applicants must also meet all of the following requirements: (1) Significantly affect or be affected by the quality or quantity of water in a watershed; (2) Be capable of promoting the sustainable use of water resources; (3) Be located in the western United States specifically: Arizona, California, Colorado, Idaho, Kansas, Montana, Nebraska, Nevada, New Mexico, North Dakota, Oklahoma, Oregon, South Dakota, Texas, Utah, Washington.

**Funding Available:** \$22,000-\$100,000 in the past

**How To Apply:** <http://www.usbr.gov/WaterSMART/cwmp/index.html>

## U.S. Department of Agriculture Farm Service Agency Conservation Programs

<http://www.fsa.usda.gov/programs-and-services/conservation-programs/index>

USDA Farm Service Agency oversees a number of voluntary conservation-related programs. These programs work to address a large number of farming and ranching related conservation issues including:

- Drinking water protection
- Reducing soil erosion
- Wildlife habitat preservation
- Preservation and restoration of forests and wetlands
- Aiding farmers whose farms are damaged by natural disasters

### Source Water Protection Program (SWPP)

The SWPP is designed to protect surface and ground water used as drinking water by rural residents. Through a partnership with the National Rural Water Association, local teams are formed to develop plans to reduce pollutant impacts in rural areas.

<http://www.fsa.usda.gov/programs-and-services/conservation-programs/source-water-protection/index>

### Conservation Reserve Program (CRP)

The CRP pays a yearly rental payment in exchange for farmers removing environmentally sensitive land from agricultural production and planting species that will improve environmental quality. In exchange for a yearly rental payment, farmers enrolled in the program agree to remove environmentally sensitive land from agricultural production and plant species that will improve environmental health and quality. Contracts for land enrolled in CRP are 10-15 years in length. The long-term goal of the program is to re-establish valuable land cover to help improve water quality, prevent soil erosion, and reduce loss of wildlife habitat.

<http://www.fsa.usda.gov/programs-and-services/conservation-programs/conservation-reserve-program/index>

### Conservation Reserve Enhancement Program (CREP)

The CREP, an offshoot of CRP, targets high-priority conservation issues identified by local, state, or tribal governments or non-governmental organizations. In exchange for removing environmentally sensitive land from production and introducing conservation practices, farmers, ranchers, and agricultural land owners are paid an annual rental rate. Participation is voluntary, and the contract period is typically 10–15 years, along with other federal and state incentives as applicable per each CREP agreement.

<http://www.fsa.usda.gov/programs-and-services/conservation-programs/conservation-reserve-enhancement/index>

### **Emergency Conservation Program (ECP)**

The ECP provides funding and technical assistance for farmers and ranchers to restore farmland damaged by natural disasters and for emergency water conservation measures in severe droughts. The ECP also provides funding and assistance to help ranchers and farmers install water conservation measures during severe drought.

<http://www.fsa.usda.gov/programs-and-services/conservation-programs/emergency-conservation/index>

### **Emergency Forest Restoration Program (EFRP)**

The EFRP, which is very similar to the ECP, provides funding to restore privately owned forests damaged by natural disasters.

<http://www.fsa.usda.gov/programs-and-services/disaster-assistance-program/emergency-forest-restoration/index>

### **Farmable Wetlands Program (FWP)**

The FWP is designed to restore wetlands and wetland buffer zones that are farmed. FWP gives farmers and ranchers annual rental payments in return for restoring wetlands and establishing plant cover.

<http://www.fsa.usda.gov/programs-and-services/conservation-programs/farmable-wetlands/index>

## **U.S. Department of Agriculture Natural Resources Conservation Service**

NRCS provides farmers, ranchers and forest managers with free technical assistance, or advice, for their land. Common technical assistance includes: resource assessment, practice design and resource monitoring. The conservation planner will help you determine if financial assistance is right for you. Technical assistance is also available online through [Conservation Client Gateway](#).

More information about NRCS can be found on their home page:

<http://www.nrcs.usda.gov/wps/portal/nrcs/main/national/about/>

### **Environmental Quality Incentives Program (EQIP)**

Grants are available for best management practices and conservation on private, non-industrial forestland and agricultural lands. Financial assistance is available to help plan and implement conservation practices that address natural resource concerns and for opportunities to improve soil, water, plant, animal, air and related resources on agricultural land and non-industrial private forestland. In addition, EQIP can help producers meet Federal, State, Tribal and local environmental regulations.

<http://www.nrcs.usda.gov/wps/portal/nrcs/main/national/programs/financial/eqip/>

**Eligible Applicants:** Owners of land in agricultural or forest production or persons who are engaged in livestock, agricultural or forest production on eligible land and that have a natural resource concern on the land

**Funding Available:** Financial and technical assistance to agricultural and forestland producers through contracts up to 10 years. Not to exceed \$300,000 for all EQIP contracts entered into during any six-year period. If NRCS determines project has special environmental significance the payment limitation is a maximum of \$450,000.

### **Conservation Stewardship Program (CSP)**

CSP helps agricultural producers maintain and improve their existing conservation systems and adopt additional conservation activities to address priority resources concerns. Through CSP, participants take additional steps to improve resource condition including soil quality, water quality, water quantity, air quality, and habitat quality, as well as energy. Participants earn CSP payments for conservation performance - the higher the performance, the higher the payment.

<http://www.nrcs.usda.gov/wps/portal/nrcs/main/national/programs/financial/csp/>

### **Wetlands Reserve Easements (WRE)**

WRE provides habitat for fish and wildlife, including threatened and endangered species, improve water quality by filtering sediments and chemicals, reduce flooding, recharge groundwater, protect biological diversity and provide opportunities for educational, scientific and limited recreational activities.

NRCS also provides technical and financial assistance directly to private landowners and Indian tribes to restore, protect, and enhance wetlands through the purchase of a wetland reserve easement. <http://www.nrcs.usda.gov/wps/portal/nrcs/detail/or/home/?cid=stelprdb1249312>

### **Agricultural Land Easements (ALE)**

ALE is designed to protect the long-term viability of the nation's food supply by preventing conversion of productive working lands to non-agricultural uses. Land protected by agricultural land easements provides additional public benefits, including environmental quality, historic preservation, wildlife habitat and protection of open space.

<http://www.nrcs.usda.gov/wps/portal/nrcs/detail/or/home/?cid=stelprdb1249312>

### **Emergency Watershed Protection (EWP)**

The EWP program was set up by Congress to respond to emergencies created by natural disasters. The United States Department of Agriculture's Natural Resources Conservation Service is responsible for administering the program. EWP is designed to relieve imminent hazards to life and property caused by floods, fires, windstorms, and other natural occurrences. It is not necessary for a national emergency to be declared for an area to be eligible for assistance. Activities include providing financial and technical assistance to remove debris from streams, protect destabilized streambanks, establish cover on critically eroding lands, repairing conservation practices, and the purchase of flood plain easements. The purpose of EWP is to help groups of people with a common problem. EWP is generally not an individual assistance program. All projects undertaken must be sponsored by a political subdivision of the State, such as a city, county, general improvement district or conservation district, or by a tribal government.

<http://www.nrcs.usda.gov/wps/portal/nrcs/main/or/programs/financial/ewp/>

### **Other NRCS Programs**

There are other NRCS programs that are specific to Oregon geographic areas---Wildfire Rehabilitation Initiative, Organic Initiative, drought funding, and restoration funding---see the Oregon NRCS link for more information on those: <http://www.nrcs.usda.gov/wps/portal/nrcs/main/or/programs/financial/eqip/>

*Anyone applying for EQIP or any of the other NRCS grants for the first time should schedule a meeting with NRCS to discuss their options before moving forward.*

## **U.S. Department of Agriculture Rural Development Water and Waste Disposal Direct Loans and Grants**

**Eligible Projects:** Pre-construction and construction associated with building, repairing, or improving drinking water, solid waste facilities and wastewater facilities

#### **Eligible Applicants:**

- Cities or towns with fewer than 10,000 population
- Counties, special purpose districts, non-profit corporations or tribes unable to get funds from other sources at reasonable rates and terms

**Funding Available:** Loans (40-year term), grants in some cases, interest rates vary (currently 2.125 – 3.5%)

**How To Apply:** Applications accepted year-round on a fund-available basis. <http://www.rd.usda.gov/programs-services/water-waste-disposal-loan-grant-program>

## U.S. Department of Commerce Community Development Block Grant Planning Program

Region 10 HUD

Seattle Regional Office

Phone: (206) 220-5101

<http://portal.hud.gov/hudportal/HUD?src=/states/washington/offices>

[http://portal.hud.gov/hudportal/HUD?src=/program\\_offices/comm\\_planning/communitydevelopment/programs](http://portal.hud.gov/hudportal/HUD?src=/program_offices/comm_planning/communitydevelopment/programs)

**Eligible Projects:** Comprehensive plans, Infrastructure plans, Feasibility studies, Community action plans, Low-income housing assessments

**Eligible Applicants:** Projects must principally benefit low- to moderate-income people in non-entitlement cities and counties.

- Cities or towns with fewer than 50,000 people
- Counties with fewer than 200,000 people

**Funding Available:** Grants

- Up to \$24,000 for a single jurisdiction
- Up to \$35,000 for single jurisdiction projects that address urgent public health and safety needs
- Up to \$40,000 for multiple jurisdictions/joint application

**How To Apply:** <http://portal.hud.gov/hudportal/HUD?src=/states/washington/offices>

## Rural Community Assistance Corporation (RCAC)

Environmental Programs

1020 S.W. Taylor Street Suite 450

Portland, OR 97205

**Local contacts:**

Chris Marko, Rural Development Specialist 503- 228-1780

RosAnna Noval, Rural Development Specialist 503-308-0207

Email: [rnoval@rcac.org](mailto:rnoval@rcac.org)

Website: [www.rcac.org](http://www.rcac.org)

At the national level, RCAC has a variety of loans for water and/or wastewater planning, environmental work, and other work to assist in developing an application for infrastructure improvements

**Eligible Applicants:** Non-profit organizations, public agencies, tribes, and low-income rural communities with a 50,000 population or less, or 10,000 or less if guaranteed by USDA Rural Development financing.

**Funding Available:**

- Maximum \$50,000 for feasibility loan
- Maximum \$350,000 for pre-development loan
- 1 year term
- 5.5% interest rate

**How To Apply:** Applications accepted anytime. [www.rcac.org](http://www.rcac.org)

**National contact:** Josh Griff, 720-951-2163, [jgriff@rcac.org](mailto:jgriff@rcac.org)

## Water Research Foundation - Source Water Protection Cost-Benefit Tool

This is a free, online suite of tools designed to assist in evaluating the triple bottom-line costs and benefits of different source water protection options. Cost/benefit calculations help evaluate, prioritize, justify, and ultimately implement source water protection initiatives. <http://www.swptool.org/index.cfm>

## Healthy Watersheds Consortium

The Healthy Watersheds Consortium Grant Program has just published a Request for Proposals (RFP) to support local projects that protect and sustain healthy watersheds (including drinking water sources). Through this program, EPA will provide approximately \$3.75 million over six years to the U.S. Endowment for Forestry and Communities for projects that develop and/or support state, interstate, and tribal healthy watersheds programs and enhance collaboration among the many groups who benefit from protecting healthy watersheds such as drinking water utilities, hunters and fisherman, foresters and farmers, and more. The Endowment is also matching a portion of EPA's financial commitment to the partnership and expects to leverage additional funding from other public and private sources.

The goal of the Healthy Watersheds Consortium Grant Program is to accelerate strategic protection of healthy, freshwater ecosystems and their watersheds. This goal will be achieved by: Funding key projects identified in existing watershed protection or conservation plans; Building the sustainable organizational infrastructure, social support, and long-term funding commitments necessary to implement large-scale protection of healthy watersheds; and supporting innovative or catalytic projects that may accelerate or broadly advance the field of practice for watershed protection efforts. For more information and to view and download the RFP and other helpful documents, visit the website: <http://usendowment.org/partnerships/hwcgrantprogram.html>

For questions, please contact Peter Stangel at [peter@usendowment.org](mailto:peter@usendowment.org).

## Ecotrust

<http://www.ecotrust.org/>

Ecotrust works to protect and restore watersheds and the economic and public health of the communities that depend upon them. Ecotrust develops and applies strategic approaches that improve habitat for native fish and wildlife, create local jobs and recreational opportunities, increase public awareness of the value of nature's services like water, and ensure a more reliable access to clean water for all members of the Oregon communities. Ecotrust provides Ecosystem Services, GIS Analysis, Mapping, Cartography, Data and Software Development, Economic Impact Assessment, etc.

## Ecotrust Forest Management

<http://ecotrustforests.com>

Ecotrust Forest Management is a for-profit forestland investment management company that acquires and manages land on behalf of investors and forestland owners to enhance forest health and productivity, and to produce a diverse array of forest products and services including timber, biomass, carbon, and improved habitat and water quality. Where possible, our goal is to transition land to long-term, local, stewards of land like Tribes, Community Forests, Public or State Agencies etc. EFM is adept at using a wide array of financing sources— New Market Tax Credits, carbon credits, conservation easements, and restoration funding — to supplement private capital resources in the acquisition and management of forestland. Contact: [info@ecotrustforests.com](mailto:info@ecotrustforests.com)

# LAND TRUSTS

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Resources to assist in locating a land trust can be found here:

<http://findalandtrust.org/states/oregon41>

## Coalition of Oregon Land Trusts

The Coalition of Oregon Land Trusts (COLT) is a newly formed nonprofit representing and serving Oregon's land trusts. Its mission is to serve and strengthen the land trust community in Oregon. Oregon's land trust community is working at local, regional, and statewide scales with landowners, communities, public agencies and other partners to maintain the state's natural heritage and the economies it supports. COLT will accomplish its mission by strengthening public policies and programs that are supportive of land conservation, helping to build capacity within and across land trusts, and communicating to key audiences about the role of land trusts in conserving Oregon's natural heritage and healthy human communities that depend on it. There are currently 18 land trusts that are members of COLT.

Coalition of Oregon Land Trusts

322 NW 5th, Suite 312 Portland, OR 97209

Phone: 503-719-4732 <http://oregonlandtrusts.org/>

## Land Trust Alliance

The Land Trust Alliance is a national conservation organization that works preserve land through conservation and easements, so land and natural resources get protected. The Alliance is based in Washington, D.C., and has several regional offices.

Northwest Conservation Manager

1353 Officers Row Vancouver, WA 98661

Phone: (971) 202-1483 <http://www.landtrustalliance.org/>

**Individual land trusts which may be of assistance include:**

## The Trust for Public Land

<http://www.tpl.org/services/conservation-transactions>

## The Nature Conservancy

<http://www.nature.org/>

# FOUNDATIONS

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## The Oregon Community Foundation / Community Grant Program

**Eligible Projects:** Community Livability, Environment & Citizen Engagement (*10 to 20 percent of grants*)

- Promote leadership development, volunteerism, immigrant integration, and civic participation
- Support stewardship and appreciation of Oregon's outdoor spaces and scenic beauty
- Address social, economic and environmental challenges or opportunities by bringing together disparate stakeholders
- Preserve places essential to communities' civic and historic identities

**Eligible Applicants:** nonprofits with tax-exempt status under Section 501(c)(3)

**Funding Available:** average grant is \$20,000

**Contact:** <http://www.oregoncf.org/grants-scholarships/grants/community-grants>

## National Fish and Wildlife Foundation

**Eligible Projects:** Environmental Solutions for Communities (1:1 match required)

- Supporting sustainable agricultural practices and private lands stewardship;
- Conserving critical land and water resources and improving local water quality;
- Restoring and managing natural habitat, species and ecosystems that are important to community livelihoods;
- Facilitating investments in green infrastructure, renewable energy and energy efficiency; and
- Encouraging broad-based citizen and targeted youth participation in project implementation.

**Eligible Applicants:** non-profit 501(c) organizations, state government agencies, local governments, municipal governments, Indian tribes, educational institutions

**Funding Available:** grants range from \$25,000 to \$100,000

**Contact:** 202-595-2434 - Community-Based Conservation

## Access Fund Foundation

**Eligible Projects:** land acquisitions; considering the management and financial resources of land ownership, the Access Fund views land acquisitions as a tool of last resort and have adopted the following guidelines for land acquisition projects. If you are requesting funds for a land acquisitions please call the Access Fund before submitting your application.

- The area must be imminently threatened with permanent closure or sale to an outside party that may consider land development opportunities or other uses threatening its climbing and/or access resources.
- The area can be acquired for a reasonable price (reasonable price being one that falls within existing market values and is not in excess of appraised value), together with a reasonable budget (including secured funding) or secured exit-strategy for management by another land trust, local climbers organization or governmental agency.
- A fully executed purchase agreement stating how the project will be funded is required before Access Fund grant funds will be allocated to any acquisition.
- A high degree of matching funds is required. The Access Fund's role in land acquisitions is as an additional, not primary, funding resource.
- Applicants whose projects require continued payments and/or financing should submit a plan describing how these payments will be met in the future. These include, but are not limited to, property tax payments, loan payments, lease and mortgage payments. This payment plan will be taken into consideration during the grant review process.

**Eligible Applicants:** Local climbing groups, individuals or organizations (Note: tax exempt 501(c)(3) status is not a pre-requisite); governmental agencies that wish to sponsor or organize a local project; conservation organizations and land trusts.

**Funding Available:** \$1,000 to \$4,000. (The Access Fund considers requests for over \$10,000, but these projects should have national significance and utilize a high degree of matching funds.)

**Contact:** <http://www.accessfund.org/>

## The Collins Foundation

**Eligible Projects:** land acquisitions; grants are for projects that directly benefit the residents of Oregon

**Eligible Applicants:** nonprofits with tax-exempt status under Section 501(c)(3) / agencies that have current registration with the offices of the Oregon State Attorney General and the Secretary of State

**Funding Available:** varies; grants may range from \$3000 to \$150,000

**Contact:** [www.collinsfoundation.org](http://www.collinsfoundation.org)

## Giles W. and Elise G. Mead Foundation

**Eligible Projects:** Preserving and improving the environment; primary emphasis forestry, fisheries and the sustainable use of natural resources in western North America

**Eligible Applicants:** nonprofits with tax-exempt status under Section 501(c)(3) in western North America

**Funding Available:** past grants ranged from \$15,000 to \$100,000

**Contact:** <http://www.gileswmeadfoundation.org/>

## Rose E. Tucker Charitable Trust

**Eligible Projects:** giving limited to organizations and projects in Oregon, with emphasis on the metropolitan Portland area; land acquisition is eligible

**Eligible Applicants:** nonprofits with tax-exempt status under Section 501(c)(3)

**Funding Available:** past grants ranged from \$6,000 to \$150,000

**How to Apply:** apply anytime; board meets approximately every 2 months

**Contact:** [Tuckertrust@stoel.com](mailto:Tuckertrust@stoel.com)

## Doris Duke Charitable Foundation

**Eligible Projects:** The foundation's grant-making is designed to provide frameworks and concrete examples of how practitioners can protect biodiversity in light of climate change through strategic land conservation. The program's adaptation efforts focus on three critical land conservation activities undertaken by non-profit organizations and government natural resource agencies:

- Habitat conservation planning (i.e., the identification of which sites should be conserved in their natural state to benefit wildlife);
- Permanent land protection (i.e., the acquisition of conservation easements or fee title to secure high priority sites); and C) Management of lands already in protected status. The goal for each of these activities is to encourage the conservation community to augment the dominant species-based approach to wildlife conservation with a focus on maintaining ecosystem functionality as climate change takes hold.
- The program has adopted three approaches to achieve its objectives: 1) Identifying resilient landscapes; 2) Protecting resilient landscapes; and 3) Managing conserved lands.

**Eligible Applicants:** nonprofits with tax-exempt status under Section 501(c)(3)

**Funding Available:** past grants ranged in the \$100K

**Contact:** <http://www.ddcf.org/what-we-fund/environment/>

## Bonneville Environmental Foundation

**Eligible Projects:** renewable power and acquire, maintain, preserve, restore, protect, and/or sustain fish and wildlife habitat within the Pacific Northwest.

Interest area: Watershed Restoration Program---supports restoration of damaged watershed ecosystems; supports communities trying to heal their local watersheds by supporting watershed restoration projects grounded in the best available watershed science

**Eligible Applicants:** nonprofit organizations

**Funding Available:** varies

**Contact:** [www.b-e-f.org](http://www.b-e-f.org)

## The Bullitt Foundation

### Program priorities:

- Manage freshwater resources: control, use, distribution, conservation;
- Conserve and restore resilient watersheds, wetlands and estuaries;
- Maintain a working land base for sustainable agriculture and forestry;
- Enforce laws and policies intended to assure air and water quality;
- Create landowner incentives for maintaining and enhancing ecosystem services, including the development of market-based mechanisms.

**Eligible Applicants:** nonprofit organizations in Washington, Oregon, Idaho, western Montana, south-central Alaska, and British Columbia. Within that broad geographic range, work is targeted to specific sub-regions generally associated with major population centers.

**Funding Available:** varies---past grants ranged from \$10,000 to over \$600,000

**Contact:** <http://www.bullitt.org/>

## Weyerhaeuser Foundation

**Eligible Projects:** forestry practices, manufacturing's effects on air, water and land; free trade, recycling, diversity, land conservation and environmental education; land acquisitions or conservation easement projects may fit with the Foundation's priorities and goals

**Eligible Applicants:** educational institutions, non-profit organizations, research institutions in Oregon and Washington

**Funding Available:** \$1,000 - \$50,000

**Contact:** <http://www.wfamilyfoundation.org/>

## Laird Norton Foundation

**Eligible Projects:** projects contribute to a heightened awareness of the ecological, social and economic significance of water sources and watersheds. Preference will be given to projects which demonstrate innovative measures for protecting and restoring water resources and which involve local communities and/or regional institutions.

**Eligible Applicants:** nonprofit organizations working in Hood Canal (WA), Upper Deschutes (OR), and Rogue (OR) watersheds

**Funding Available:** varies; past grants ranged from \$10k to \$100k

**Contact:** <http://www.lairdnorton.org>

### Alternative formats

Documents can be provided upon request in an alternate format for individuals with disabilities or in a language other than English for people with limited English skills. To request a document in another format or language, call DEQ in Portland at 503-229-5696, or toll-free in Oregon at 1-800-452-4011, ext. 5696; or email [deqinfo@deq.state.or.us](mailto:deqinfo@deq.state.or.us).



**Appendix 5: Table 2: Inventory of Potential Sources of Pollution for Surface Water within 8-hour time-of-travel zone as identified in readily accessible state and federal databases and GIS layers - Updated Source Water Assessment**  
*see Appendix 2 for Key to Tables for Notes and Descriptions of Acronyms*

PWS Name: City of Lowell

PWS Number: 00492



- This information supplements the Original Source Water Assessment Inventory dated between 2000 and 2005 and should be used in conjunction with the original inventory to provide a more detailed analysis of potential sources of pollution.
- Note that due to state database limitations, some sites will require further research to verify presence and location.
- This summary only includes potential sources of pollution within the estimated 8-hour time of travel area which is provided as a planning tool since eight hours should provide adequate response time to protect the integrity of the public water system intake after a spill or release at any crossing or discharge point to the stream. It is recommended the water system and community considers increased protection within this 8-hour travel time from the intake for spills and other acute risks. Focus may need to extend further upstream for contaminants that are contributed to the stream over long time periods or recur frequently.

| Primary Land Ownership/Use(s)                                                                                                                                                                                                                                                                                                              |                 |         |                                  |                   |        |        | Data Source               |                                                                                                       |                   |              |               |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|---------|----------------------------------|-------------------|--------|--------|---------------------------|-------------------------------------------------------------------------------------------------------|-------------------|--------------|---------------|
| There is industrial forestland, agricultural, and private rural, and private urban land near the intake and around Dexter Reservoir, Middle Fork Willamette River, and Hills Creek Lake (upstream). There is extensive US Forest Service managed land throughout the 8-hour time-of-travel zone and the entire Drinking Water Source Area. |                 |         |                                  |                   |        |        | Land use map - Figure 4   |                                                                                                       |                   |              |               |
| Other potential sources of pollution identified based on aerial photographs, topographic maps or local knowledge.                                                                                                                                                                                                                          |                 |         |                                  |                   |        |        |                           |                                                                                                       |                   |              |               |
| Name                                                                                                                                                                                                                                                                                                                                       |                 |         |                                  | Address/ location | City   | County |                           |                                                                                                       | Data Source       |              |               |
| Rural residential - Lots adjacent to waterbodies. Potential for erosion, pesticide use, septic systems.                                                                                                                                                                                                                                    |                 |         |                                  |                   |        |        |                           |                                                                                                       | aerial photograph |              |               |
| River Recreation - Heavy use may contribute to erosion and increased turbidity. Inadequate disposal of human wastes may contribute nutrients and bacteria.                                                                                                                                                                                 |                 |         |                                  |                   |        |        |                           |                                                                                                       | aerial photograph |              |               |
| Urban Stormwater - Paved surfaces can contribute solids, metals, pesticides and other chemicals, and bacteria to surface waters.                                                                                                                                                                                                           |                 |         |                                  |                   |        |        |                           |                                                                                                       | aerial photograph |              |               |
| Agriculture - Potential for erosion, sediment/turbidity, bacteria, fertilizers, and pesticides.                                                                                                                                                                                                                                            |                 |         |                                  |                   |        |        |                           |                                                                                                       | aerial photograph |              |               |
| Managed forest land - clearcut harvest (<35yrs) and broadcast fertilized areas                                                                                                                                                                                                                                                             |                 |         |                                  |                   |        |        |                           |                                                                                                       | aerial photograph |              |               |
| Forest roads - potential for erosion and pesticide applications/herbicide use. Higher potential risk near stream crossings.                                                                                                                                                                                                                |                 |         |                                  |                   |        |        |                           |                                                                                                       | aerial photograph |              |               |
| Regulatory Database Results for 8-Hour Time of Travel zone from Surface Water Intake - State and Federal                                                                                                                                                                                                                                   |                 |         |                                  |                   |        |        |                           |                                                                                                       |                   |              |               |
| Additional potential sources may be present upstream, PWS should verify location and potential risk                                                                                                                                                                                                                                        |                 |         |                                  |                   |        |        |                           |                                                                                                       |                   |              |               |
| Database Identifier (DB_ID)                                                                                                                                                                                                                                                                                                                | Site Identifier | Status  | Common Name                      | Address           | City   | County | Retrieval Date (RET_DATE) | Data Source                                                                                           |                   | DEQ PCS Type | Relative Risk |
| Regulatory Database Results                                                                                                                                                                                                                                                                                                                |                 |         |                                  |                   |        |        |                           |                                                                                                       |                   |              |               |
| DHS/OHA - OFRA - Schools - Lowell Junior/Senior High School                                                                                                                                                                                                                                                                                | 599             | Schools | Lowell Junior/Senior High School | 65 S Pioneer St   | Lowell | LANE   | 06/02/2015                | OR Dept. of Human Services - Office of Forecasting, Research, and Analysis (via OGDC (DHS/OHA - 2015) |                   | R15-Schools  | M             |

| Database Identifier (DB_ID)                            | Site Identifier | Status                                   | Common Name                 | Address                                            | City           | County  | Retrieval Date (RET_DATE) | Data Source                                                                                                      | DEQ PCS Type                                                        | Relative Risk |
|--------------------------------------------------------|-----------------|------------------------------------------|-----------------------------|----------------------------------------------------|----------------|---------|---------------------------|------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|---------------|
| DHS/OHA - OFRA - Schools - Lowell SD 71                | 2092            | Schools                                  | Lowell SD 71                | 65 S Pioneer St                                    | Lowell         | LANE    | 06/02/2015                | via OGDC (DHS/OHA - 2015)                                                                                        | R15-Schools                                                         | M             |
| DHS/OHA - OFRA - Schools - Lundy Elementary School     | 598             | Schools                                  | Lundy Elementary School     | 45 South Moss Street                               | Lowell         | LANE    | 06/02/2015                | via OGDC (DHS/OHA - 2015)                                                                                        | R15-Schools                                                         | M             |
| DHS/OHA - OFRA - Schools - Oakridge Elementary School  | 600             | Schools                                  | Oakridge Elementary School  | 48119 E 1st St                                     | Oakridge       | LANE    | 06/02/2015                | via OGDC (DHS/OHA - 2015)                                                                                        | R15-Schools                                                         | M             |
| DHS/OHA - OFRA - Schools - Oakridge High School        | 602             | Schools                                  | Oakridge High School        | 47997 W 1st St                                     | Oakridge       | LANE    | 06/02/2015                | via OGDC (DHS/OHA - 2015)                                                                                        | R15-Schools                                                         | M             |
| DHS/OHA - OFRA - Schools - Oakridge Junior High School | 601             | Schools                                  | Oakridge Junior High School | 76486 Rose St                                      | Oakridge       | LANE    | 06/02/2015                | via OGDC (DHS/OHA - 2015)                                                                                        | R15-Schools                                                         | M             |
| DHS/OHA - OFRA - Schools - Oakridge SD 76              | 2093            | Schools                                  | Oakridge SD 76              | 76499 Rose St                                      | Oakridge       | LANE    | 06/02/2015                | via OGDC (DHS/OHA - 2015)                                                                                        | R15-Schools                                                         | M             |
| DOGAMI - Dunning Road                                  | 20-0001         | Closed - Rock                            | Dunning Road                |                                                    | Not applicable | Lane    | 10/21/2015                | OR Dept. of Geology and Mineral Industries Mineral Information layer for Oregon Release 2 (DOGAMI/MILO-2 - 2014) | C69-Mining Activities - Inactive - sand/gravel/rock/soil            | M             |
| DOGAMI - Dunning Road Property                         | 20-0166         | Permitted - basalt                       | Dunning Road Property       |                                                    | Not applicable | Lane    | 10/21/2015                | DOGAMI/MILO-2 - 2014                                                                                             | C18-Mining Activities - Active - sand/gravel/rock/soil              | H             |
| DOGAMI - Oakridge                                      | 20-0013         | Permitted - sand & gravel                | Oakridge                    | 47859 Berry St, Oakridge                           | Not applicable | Lane    | 10/21/2015                | DOGAMI/MILO-2 - 2014                                                                                             | C18-Mining Activities - Active - sand/gravel/rock/soil              | H             |
| Dogami - Permittee                                     | 20-0084         | Closed - sand & gravel                   |                             |                                                    | Not applicable | Lane    | 10/21/2015                | DOGAMI/MILO-2 - 2014                                                                                             | C69-Mining Activities - Inactive - sand/gravel/rock/soil            | M             |
| DOGAMI - Ruiz Exploration                              | 23-0265         | Closed -                                 | Ruiz Exploration            |                                                    | Not applicable | Malheur | 10/21/2015                | DOGAMI/MILO-2 - 2014                                                                                             | C64-Mining Activities - Inactive - other than sand/gravel/rock/soil | M             |
| DOGAMI - Salmon Creek                                  | 20-0048         | Closed -                                 | Salmon Creek                |                                                    | Not applicable | Lane    | 10/21/2015                | DOGAMI/MILO-2 - 2014                                                                                             | C64-Mining Activities - Inactive - other than sand/gravel/rock/soil | M             |
| DOGAMI - West Abutment                                 | 20-0148         | Closed - Basalt                          | West Abutment               |                                                    | Not applicable | Lane    | 10/21/2015                | DOGAMI/MILO-2 - 2014                                                                                             | C69-Mining Activities - Inactive - sand/gravel/rock/soil            | M             |
| DOGAMI - Winter Rim Cinder Pit                         | 19-0119         | Closed - cinder                          | Winter Rim Cinder Pit       | 1.5 mi. west on USFS Rd from Hwy 19 OR31, MP 64.48 | Not applicable | Lake    | 10/21/2015                | DOGAMI/MILO-2 - 2014                                                                                             | C69-Mining Activities - Inactive - sand/gravel/rock/soil            | M             |
| DOGAMI - Yard 3                                        | 20-0132         | Permitted - sand & gravel                | Yard 3                      |                                                    | Not applicable | Lane    | 10/21/2015                | DOGAMI/MILO-2 - 2014                                                                                             | C18-Mining Activities - Active - sand/gravel/rock/soil              | H             |
| ECSI - Fashion Cleaners - Oakridge                     | 1486            | Inactive site with further action needed | Fashion Cleaners - Oakridge | 47488 Hwy 58                                       | Oakridge       | LANE    | 01/25/2016                | OR Dept. of Environmental Quality Environmental Cleanup Site Inventory (DEQ/ECSI 01/2016)                        | C58-Known Contamination Sites/Plumes/Spills (ECSI)                  | H             |

| Database Identifier (DB_ID)                             | Site Identifier | Status                                   | Common Name                                | Address                                | City     | County  | Retrieval Date (RET_DATE) | Data Source                                                                           | DEQ PCS Type                                                          | Relative Risk |
|---------------------------------------------------------|-----------------|------------------------------------------|--------------------------------------------|----------------------------------------|----------|---------|---------------------------|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------|---------------|
| ECSI - Mill Site Developers, LLC                        | 236             | Site active in Cleanup Program           | Mill Site Developers, LLC                  | Westfir Rd.                            | Westfir  | LANE    | 01/25/2016                | DEQ/ECSI 01/2016                                                                      | C58-Known Contamination Sites/Plumes/Spills (ECSI)                    | H             |
| ECSI - NFA - B&G Wrecking Yard                          | 1834            | No further action required               | B&G Wrecking Yard                          | Airport Rd.                            | Oakridge | LANE    | 01/25/2016                | DEQ/ECSI 01/2016                                                                      | C59-Known Contamination listed as NFA (Sites/Plumes/Spills from ECSI) | L             |
| ECSI - NFA - Lane Electric Co-Op - Oakridge Spill       | 1872            | No further action required               | Lane Electric Co-Op - Oakridge Spill       | 49098 Salmon Creek Rd. at Hatchery Rd. | Oakridge | LANE    | 01/25/2016                | DEQ/ECSI 01/2016                                                                      | C59-Known Contamination listed as NFA (Sites/Plumes/Spills from ECSI) | L             |
| ECSI - NFA - Southern Pacific Lines - Dexter Lake Spill | 1585            | No further action required               | Southern Pacific Lines - Dexter Lake Spill | South of Hwy 58                        | Lowell   | LANE    | 01/25/2016                | DEQ/ECSI 01/2016                                                                      | C59-Known Contamination listed as NFA (Sites/Plumes/Spills from ECSI) | L             |
| ECSI - Oakridge Industrial Park                         | 234             | Site active in Cleanup Program           | Oakridge Industrial Park                   | 48513 Hwy 58                           | Oakridge | LANE    | 01/25/2016                | DEQ/ECSI 01/2016                                                                      | C58-Known Contamination Sites/Plumes/Spills (ECSI)                    | H             |
| ECSI - TM & R Logging, Inc.                             | 1637            | Inactive site with further action needed | TM & R Logging, Inc.                       | 76673 LaDuke Rd.                       | Westfir  | LANE    | 01/25/2016                | DEQ/ECSI 01/2016                                                                      | C58-Known Contamination Sites/Plumes/Spills (ECSI)                    | H             |
| ECSI - USDA FS - Lowell Ranger Station                  | 1388            | Inactive site with further action needed | USDA FS - Lowell Ranger Station            | 60 S Pioneer St.                       | Lowell   | LANE    | 01/25/2016                | DEQ/ECSI 01/2016                                                                      | C58-Known Contamination Sites/Plumes/Spills (ECSI)                    | H             |
| Haz Waste Generator - ODOT Oakridge Maint Sec           | ORQ00001800     | Conditionally Exempt Generator (CEG)     | ODOT Oakridge Maint Sec                    | 47828 BERRY ST                         | OAKRIDGE | LANE    | 01/29/2016                | OR Dept. of Environmental Quality Hazardous Waste Program database (DEQ/HW - 01/2016) | C60-Maintenance Shop/Equipment Storage - Transportation Related       | M             |
| Haz Waste Generator - Pilot Travel Centers #133         | ORQ000026840    | Conditionally Exempt Generator (CEG)     | Pilot Travel Centers #133                  | 341 DAMON ST.                          | CHEMUL T | KLAMATH | 01/29/2016                | DEQ/HW - 01/2016                                                                      | C60-Maintenance Shop/Equipment Storage - Transportation Related       | M             |
| Haz Waste Generator - USACE Dexter Dam 960408           | OR3960000054    | Conditionally Exempt Generator (CEG)     | USACE Dexter Dam 960408                    | 39194 PENGRA RD                        | LOWELL   | LANE    | 01/29/2016                | DEQ/HW - 01/2016                                                                      | R18-Utility Stations - Hydroelectric Power Equipment                  | H             |
| Haz Waste Generator - USACE Hills Creek Dam             | OR6690000058    | Conditionally Exempt Generator (CEG)     | USACE Hills Creek Dam                      | T21 R3E S35 NW1/4 WM                   | OAKRIDGE | LANE    | 01/29/2016                | DEQ/HW - 01/2016                                                                      | R18-Utility Stations - Hydroelectric Power Equipment                  | H             |
| Haz Waste Generator - USACE Lookout Point Dam           | OR8960000059    | Conditionally Exempt Generator (CEG)     | USACE Lookout Point Dam                    | COUNTY RD 360 1 MI E OF CITY           | LOWELL   | LANE    | 01/29/2016                | DEQ/HW - 01/2016                                                                      | R18-Utility Stations - Hydroelectric Power Equipment                  | H             |
| Haz Waste Generator - USDA FS Middle Fork Ranger *      | OR4122300060    | Conditionally Exempt Generator (CEG)     | USDA FS Middle Fork Ranger Dist            | 49098 SALMON CR RD                     | OAKRIDGE | LANE    | 01/29/2016                | DEQ/HW - 01/2016                                                                      | R51-Possible Chemical Storage - Residential                           | M             |
| Haz Waste Generator - USDA FS Middle Fork Ranger *      | OR1122300071    | Conditionally Exempt Generator (CEG)     | USDA FS Middle Fork Ranger Dist            | 46375 HWY 58                           | WESTFIR  | LANE    | 01/29/2016                | DEQ/HW - 01/2016                                                                      | R51-Possible Chemical Storage - Residential                           | M             |

| Database Identifier (DB_ID)               | Site Identifier | Status           | Common Name                    | Address            | City     | County | Retrieval Date (RET_DATE) | Data Source                                                                                                | DEQ PCS Type                                                  | Relative Risk |
|-------------------------------------------|-----------------|------------------|--------------------------------|--------------------|----------|--------|---------------------------|------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------|---------------|
| LUST - City of Oakridge                   | 20-88-4013      | REPORTED         | City of Oakridge               | BEECH & COMMERCIAL | OAKRIDGE | LANE   | 01/25/2016                | OR Dept. of Environmental Quality Land Quality Leaking Underground Storage Tank database (DEQ/LUST - 2016) | M23-UST - Confirmed Leaking Tanks - DEQ LUST List             | M             |
| LUST - Keller's Texaco                    | 20-90-4017      | REPORTED         | Keller's Texaco                | 48097 HWY 58       | OAKRIDGE | LANE   | 01/25/2016                | DEQ/LUST - 2016                                                                                            | M23-UST - Confirmed Leaking Tanks - DEQ LUST List             | M             |
| LUST NFA - Bi Mor Station (Oakridge)      | 20-91-4111      | CLEANUP_COMPLETE | Bi Mor Station (Oakridge)      | 47686 HWY 58       | OAKRIDGE | LANE   | 01/25/2016                | DEQ/LUST - 2016                                                                                            | M26-UST - Confirmed Leaking but listed as NFA - DEQ LUST List | L             |
| LUST NFA - BiMor Station #17              | 20-93-4154      | CLEANUP_COMPLETE | BiMor Station #17              | 47686 HWY 58       | OAKRIDGE | LANE   | 01/25/2016                | DEQ/LUST - 2016                                                                                            | M26-UST - Confirmed Leaking but listed as NFA - DEQ LUST List | L             |
| LUST NFA - Dexter Shop                    | 20-91-4356      | CLEANUP_COMPLETE | Dexter Shop                    | 39095 DEXTER RD    | DEXTER   | LANE   | 01/25/2016                | DEQ/LUST - 2016                                                                                            | M26-UST - Confirmed Leaking but listed as NFA - DEQ LUST List | L             |
| LUST NFA - Don's Tire and Gas             | 20-99-7073      | CLEANUP_COMPLETE | Don's Tire and Gas             | 48080 HIGHWAY 58   | OAKRIDGE | LANE   | 01/25/2016                | DEQ/LUST - 2016                                                                                            | M26-UST - Confirmed Leaking but listed as NFA - DEQ LUST List | L             |
| LUST NFA - Eagle Rock Logging             | 20-92-4236      | CLEANUP_COMPLETE | Eagle Rock Logging             | 81956 CHICKAREE RD | LOWELL   | LANE   | 01/25/2016                | DEQ/LUST - 2016                                                                                            | M26-UST - Confirmed Leaking but listed as NFA - DEQ LUST List | L             |
| LUST NFA - FORMER OAKRIDGE CHEVRON        | 20-04-1456      | CLEANUP_COMPLETE | FORMER OAKRIDGE CHEVRON        | 47452 HIGHWAY 58   | OAKRIDGE | LANE   | 01/25/2016                | DEQ/LUST - 2016                                                                                            | M26-UST - Confirmed Leaking but listed as NFA - DEQ LUST List | L             |
| LUST NFA - GOMBERT TEXACO                 | 20-99-7012      | CLEANUP_COMPLETE | GOMBERT TEXACO                 | 47609 HWY 58       | OAKRIDGE | LANE   | 01/25/2016                | DEQ/LUST - 2016                                                                                            | M26-UST - Confirmed Leaking but listed as NFA - DEQ LUST List | L             |
| LUST NFA - JOHN GOMBERT                   | 20-89-4155      | CLEANUP_COMPLETE | JOHN GOMBERT                   | 47609 HWY 58       | OAKRIDGE | LANE   | 01/25/2016                | DEQ/LUST - 2016                                                                                            | M26-UST - Confirmed Leaking but listed as NFA - DEQ LUST List | L             |
| LUST NFA - LOWELL SCHOOL DISTRICT         | 20-89-4074      | CLEANUP_COMPLETE | LOWELL SCHOOL DISTRICT         | 45 S MOSS ST       | LOWELL   | LANE   | 01/25/2016                | DEQ/LUST - 2016                                                                                            | M26-UST - Confirmed Leaking but listed as NFA - DEQ LUST List | L             |
| LUST NFA - Lowell Union Service           | 20-89-4097      | CLEANUP_COMPLETE | Lowell Union Service           | 113 E MAIN ST      | LOWELL   | LANE   | 01/25/2016                | DEQ/LUST - 2016                                                                                            | M26-UST - Confirmed Leaking but listed as NFA - DEQ LUST List | L             |
| LUST NFA - Lowell Union Service II        | 20-95-7016      | CLEANUP_COMPLETE | Lowell Union Service II        | 113 E MAIN ST      | LOWELL   | LANE   | 01/25/2016                | DEQ/LUST - 2016                                                                                            | M26-UST - Confirmed Leaking but listed as NFA - DEQ LUST List | L             |
| LUST NFA - LOWELL WORK CENTER BLDG # 2017 | 20-04-2221      | CLEANUP_COMPLETE | LOWELL WORK CENTER BLDG # 2017 | 60 N PIONEER ST    | LOWELL   | LANE   | 01/25/2016                | DEQ/LUST - 2016                                                                                            | M26-UST - Confirmed Leaking but listed as NFA - DEQ LUST List | L             |
| LUST NFA - Lundy Elementary School        | 20-95-7027      | CLEANUP_COMPLETE | Lundy Elementary School        | 45 S MOSS ST       | LOWELL   | LANE   | 01/25/2016                | DEQ/LUST - 2016                                                                                            | M26-UST - Confirmed Leaking but listed as NFA - DEQ LUST List | L             |
| LUST NFA - OAK RIDGE ELEMENTARY SCHOOL    | 20-03-1554      | CLEANUP_COMPLETE | OAK RIDGE ELEMENTARY SCHOOL    | 48119 1ST ST       | OAKRIDGE | LANE   | 01/25/2016                | DEQ/LUST - 2016                                                                                            | M26-UST - Confirmed Leaking but listed as NFA - DEQ LUST List | L             |
| LUST NFA - Oakridge Chevrolet             | 20-94-7006      | CLEANUP_COMPLETE | Oakridge Chevrolet             | 48224 1ST ST       | OAKRIDGE | LANE   | 01/25/2016                | DEQ/LUST - 2016                                                                                            | M26-UST - Confirmed Leaking but listed as NFA - DEQ LUST List | L             |

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| LUST NFA - OAKRIDGE EXXON                    | 20-00-7014      | CLEANUP_COMPLETE | OAKRIDGE EXXON                    | 47762 HWY 58                | OAKRIDGE | LANE   | 01/25/2016                   | DEQ/LUST - 2016 | M26-UST - Confirmed Leaking but listed as NFA - DEQ LUST List | L             |
| LUST NFA - Oakridge High School              | 20-90-4136      | CLEANUP_COMPLETE | Oakridge High School              | 47975 W 2ND ST              | OAKRIDGE | LANE   | 01/25/2016                   | DEQ/LUST - 2016 | M26-UST - Confirmed Leaking but listed as NFA - DEQ LUST List | L             |
| LUST NFA - Oakridge Maint. Station           | 20-93-4047      | CLEANUP_COMPLETE | Oakridge Maint. Station           | 47828 BERRY ST              | OAKRIDGE | LANE   | 01/25/2016                   | DEQ/LUST - 2016 | M26-UST - Confirmed Leaking but listed as NFA - DEQ LUST List | L             |
| LUST NFA - Oakridge Ranger District          | 20-05-2598      | CLEANUP_COMPLETE | Oakridge Ranger District          | 46375 HWY 58                | OAKRIDGE | LANE   | 01/25/2016                   | DEQ/LUST - 2016 | M26-UST - Confirmed Leaking but listed as NFA - DEQ LUST List | L             |
| LUST NFA - OAKRIDGE RANGER STATION           | 20-05-2198      | CLEANUP_COMPLETE | OAKRIDGE RANGER STATION           | 1068 RIGDON DR              | OAKRIDGE | LANE   | 01/25/2016                   | DEQ/LUST - 2016 | M26-UST - Confirmed Leaking but listed as NFA - DEQ LUST List | L             |
| LUST NFA - Oakridge Sand & Gravel            | 20-91-4039      | CLEANUP_COMPLETE | Oakridge Sand & Gravel            | 47859 BERRY ST              | OAKRIDGE | LANE   | 01/25/2016                   | DEQ/LUST - 2016 | M26-UST - Confirmed Leaking but listed as NFA - DEQ LUST List | L             |
| LUST NFA - ODOT Oakridge                     | 20-96-7052      | CLEANUP_COMPLETE | ODOT Oakridge                     | 47828 BERRY ST              | OAKRIDGE | LANE   | 01/25/2016                   | DEQ/LUST - 2016 | M26-UST - Confirmed Leaking but listed as NFA - DEQ LUST List | L             |
| LUST NFA - On the Way Market and Gas         | 20-95-7001      | CLEANUP_COMPLETE | On the Way Market and Gas         | 38299 HWY 58                | DEXTER   | LANE   | 01/25/2016                   | DEQ/LUST - 2016 | M26-UST - Confirmed Leaking but listed as NFA - DEQ LUST List | L             |
| LUST NFA - POPE AND TALBOT                   | 20-89-4119      | CLEANUP_COMPLETE | POPE AND TALBOT                   | 48513 HWY. 58               | OAKRIDGE | LANE   | 01/25/2016                   | DEQ/LUST - 2016 | M26-UST - Confirmed Leaking but listed as NFA - DEQ LUST List | L             |
| LUST NFA - Timber Inn Chevron                | 20-90-4048      | CLEANUP_COMPLETE | Timber Inn Chevron                | 44784 HWY 58                | LOWELL   | LANE   | 01/25/2016                   | DEQ/LUST - 2016 | M26-UST - Confirmed Leaking but listed as NFA - DEQ LUST List | L             |
| LUST NFA - Union Pacific, HOT                | 20-97-7041      | CLEANUP_COMPLETE | Union Pacific, HOT                | 4821 RAILROAD AVE           | OAKRIDGE | LANE   | 01/25/2016                   | DEQ/LUST - 2016 | M26-UST - Confirmed Leaking but listed as NFA - DEQ LUST List | L             |
| LUST NFA - UNOCAL 4381                       | 20-90-4039      | CLEANUP_COMPLETE | UNOCAL 4381                       | 47800 HWY 58                | OAKRIDGE | LANE   | 01/25/2016                   | DEQ/LUST - 2016 | M26-UST - Confirmed Leaking but listed as NFA - DEQ LUST List | L             |
| LUST NFA - UNOCAL Bulk Plant 0539            | 20-90-4038      | CLEANUP_COMPLETE | UNOCAL Bulk Plant 0539            | HWY 58 & ROCK ROAD          | OAKRIDGE | LANE   | 01/25/2016                   | DEQ/LUST - 2016 | M26-UST - Confirmed Leaking but listed as NFA - DEQ LUST List | L             |
| LUST NFA - USFS LOWELL WRK CNTR              | 20-05-2457      | CLEANUP_COMPLETE | USFS LOWELL WRK CNTR              | 121 S PIONEER BLDG 1037     | LOWELL   | LANE   | 01/25/2016                   | DEQ/LUST - 2016 | M26-UST - Confirmed Leaking but listed as NFA - DEQ LUST List | L             |
| LUST NFA - USFS LOWELL WRK CNTR              | 20-05-2459      | CLEANUP_COMPLETE | USFS LOWELL WRK CNTR              | 60 N PIONEER ST BLDG # 1036 | LOWELL   | LANE   | 01/25/2016                   | DEQ/LUST - 2016 | M26-UST - Confirmed Leaking but listed as NFA - DEQ LUST List | L             |
| LUST NFA - USFS Lowell Ranger Stn            | 20-91-4378      | CLEANUP_COMPLETE | USFS Lowell Ranger Stn            | 196 N 6TH ST                | LOWELL   | LANE   | 01/25/2016                   | DEQ/LUST - 2016 | M26-UST - Confirmed Leaking but listed as NFA - DEQ LUST List | L             |
| LUST NFA - USFS Lowell Service Center Warehs | 20-06-0110      | CLEANUP_COMPLETE | USFS Lowell Service Center Warehs | 196 N 6TH ST                | LOWELL   | LANE   | 01/25/2016                   | DEQ/LUST - 2016 | M26-UST - Confirmed Leaking but listed as NFA - DEQ LUST List | L             |

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|--------------------------------------|--------------------------|---------------------|-----------------------------------------------|-------------------------------|----------|--------|------------------------------|--------------------------------------------------------------------|---------------------------------------------------------------|---------------|
| LUST NFA - USFS LOWELL WRK CNTR      | 20-05-2461               | CLEANUP_COMPLETE    | USFS LOWELL WRK CNTR                          | 60 N PIONEER ST BLDG # 2005   | LOWELL   | LANE   | 01/25/2016                   | DEQ/LUST - 2016                                                    | M26-UST - Confirmed Leaking but listed as NFA - DEQ LUST List | L             |
| LUST NFA - USFS LOWELL WRK CNTR      | 20-05-2458               | CLEANUP_COMPLETE    | USFS LOWELL WRK CNTR                          | 118 E LAKEVIEW ST BLDG # 1075 | LOWELL   | LANE   | 01/25/2016                   | DEQ/LUST - 2016                                                    | M26-UST - Confirmed Leaking but listed as NFA - DEQ LUST List | L             |
| LUST NFA - USFS LOWELL WRK CNTR      | 20-05-2456               | CLEANUP_COMPLETE    | USFS LOWELL WRK CNTR                          | 109 S PIONEER BLDG 1035       | LOWELL   | LANE   | 01/25/2016                   | DEQ/LUST - 2016                                                    | M26-UST - Confirmed Leaking but listed as NFA - DEQ LUST List | L             |
| LUST NFA - USFS LOWELL WRK CNTR      | 20-05-2460               | CLEANUP_COMPLETE    | USFS LOWELL WRK CNTR                          | 60 N PIONEER ST BLDG # 2003   | LOWELL   | LANE   | 01/25/2016                   | DEQ/LUST - 2016                                                    | M26-UST - Confirmed Leaking but listed as NFA - DEQ LUST List | L             |
| LUST NFA - Westridge Middle School   | 20-90-4137               | CLEANUP_COMPLETE    | Westridge Middle School                       | 46433 WESTFIR RD              | WESTFIR  | LANE   | 01/25/2016                   | DEQ/LUST - 2016                                                    | M26-UST - Confirmed Leaking but listed as NFA - DEQ LUST List | L             |
| LUST NFA - Will. Valley Projects Off | 20-93-4072               | CLEANUP_COMPLETE    | Will. Valley Projects Off                     | DEXTER LAKE                   | LOWELL   | LANE   | 01/25/2016                   | DEQ/LUST - 2016                                                    | M26-UST - Confirmed Leaking but listed as NFA - DEQ LUST List | L             |
| LUST NFA - Willamette Fish Hatchery  | 20-94-7016               | CLEANUP_COMPLETE    | Willamette Fish Hatchery                      | 76389 FISH HATCHERY RD        | OAKRIDGE | LANE   | 01/25/2016                   | DEQ/LUST - 2016                                                    | M26-UST - Confirmed Leaking but listed as NFA - DEQ LUST List | L             |
| OSMB - Black Canyon                  | Black Canyon             | Boating access site | Black Canyon Boat Ramp                        | Black Canyon                  | Unknown  | Lane   | 03/2016                      | OR State Marine Board Boating Access Sites Database (OSMB 03/2016) | M14-River Recreation - Heavy Use (inc Campgrounds)            | M             |
| OSMB - C.T. Beach Picnic Area        | C.T. Beach Picnic Area   | Boating access site | C T Beach Boat Ramp                           | CT Beach                      | Unknown  | Lane   | 03/2016                      | OSMB 03/2016                                                       | M14-River Recreation - Heavy Use (inc Campgrounds)            | M             |
| OSMB - Dexter State Park             | Dexter State Park        | Boating access site | Dexter Park Boat Ramp                         | Dexter State Park             | Unknown  | Lane   | 03/2016                      | OSMB 03/2016                                                       | M14-River Recreation - Heavy Use (inc Campgrounds)            | M             |
| OSMB - Hampton                       | Hampton                  | Boating access site | Hampton Boat Ramp                             | Hampton                       | Unknown  | Lane   | 03/2016                      | OSMB 03/2016                                                       | M14-River Recreation - Heavy Use (inc Campgrounds)            | M             |
| OSMB - Lowell Park                   | Lowell Park              | Boating access site | Lowell Park Boat Ramp                         | Lowell Park                   | Unknown  | Lane   | 03/2016                      | OSMB 03/2016                                                       | M14-River Recreation - Heavy Use (inc Campgrounds)            | M             |
| OSMB - North Shore Boat Ramp         | North Shore Boat Ramp    | Boating access site | North Shore Boat Ramp Lookout Point Reservoir | North Shore Boat Ramp         | Unknown  | Lane   | 03/2016                      | OSMB 03/2016                                                       | M14-River Recreation - Heavy Use (inc Campgrounds)            | M             |
| OSMB - Packard Creek Campground      | Packard Creek Campground | Boating access site | Packard Creek Boat Ramp                       | Packard Creek Campground      | Unknown  | Lane   | 03/2016                      | OSMB 03/2016                                                       | M14-River Recreation - Heavy Use (inc Campgrounds)            | M             |
| OSMB - Signal Point                  | Signal Point             | Boating access site | Signal Point Boat Ramp                        | Signal Point                  | Unknown  | Lane   | 03/2016                      | OSMB 03/2016                                                       | M14-River Recreation - Heavy Use (inc Campgrounds)            | M             |

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|-----------------------------------------|-----------------|--------------------------------------------------------------------------------------------------------------------|----------------------------|------------------------|----------|--------|------------------------------|------------------------------------------------------------------------------------------|---------------------------------------------------------|---------------|
| SFM - HSIS - 360NETWORKS                | 082736          | WIRED TELECOMMUNICATIONS CARRIERS with 2 different chemicals reported on site (liquids and solids only)            | 360NETWORKS                | 48513 US HWY 58 LOT 2A | OAKRIDGE | LANE   | 09/29/2008                   | OR State Fire Marshall Hazardous Substance Information System database (SFM/HSIS - 2009) | C52-Communications Office                               | L             |
| SFM - HSIS - AT&T MOBILITY              | 090583          | CELLULAR & OTHER WIRELESS TELECOMMUNICATIONS with 1 different chemicals reported on site (liquids and solids only) | AT&T MOBILITY              | 76236 FISHHATCHERY RD  | OAKRIDGE | LANE   | 09/29/2008                   | SFM/HSIS - 2009                                                                          | C52-Communications Office                               | L             |
| SFM - HSIS - BIMOR STATIONS INC         | 044796          | OTHER GASOLINE STATIONS with 4 different chemicals reported on site (liquids and solids only)                      | BIMOR STATIONS INC         | 47686 HWY 58           | OAKRIDGE | LANE   | 09/29/2008                   | SFM/HSIS - 2009                                                                          | C03-Automobiles - Gas Stations                          | M             |
| SFM - HSIS - CASCADE WEST TOWING        | 051042          | MOTOR VEHICLE TOWING with 1 different chemicals reported on site (liquids and solids only)                         | CASCADE WEST TOWING        | 48217 HWY 58           | OAKRIDGE | LANE   | 09/29/2008                   | SFM/HSIS - 2009                                                                          | C61-Maintenance Shop/Equipment - Transportation Related | M             |
| SFM - HSIS - CIRCLE BAR GOLF CLUB       | 043269          | GOLF COURSES & COUNTRY CLUBS with 2 different chemicals reported on site (liquids and solids only)                 | CIRCLE BAR GOLF CLUB       | 48447 WESTOAK RD       | OAKRIDGE | LANE   | 09/29/2008                   | SFM/HSIS - 2009                                                                          | R08-Golf Courses                                        | M             |
| SFM - HSIS - ECHO PUBLISHING INC        | 001227          | NEWSPAPER PUBLISHERS with 1 different chemicals reported on site (liquids and solids only)                         | ECHO PUBLISHING INC        | 48013 HWY 58           | OAKRIDGE | LANE   | 09/29/2008                   | SFM/HSIS - 2009                                                                          | C21-Photo Processing/Printing                           | H             |
| SFM - HSIS - HIMMEL EQUIP REPAIR INC    | 064063          | GENERAL AUTOMOTIVE REPAIR with 1 different chemicals reported on site (liquids and solids only)                    | HIMMEL EQUIP REPAIR INC    | 48977 KINGS WAY RD     | OAKRIDGE | LANE   | 09/29/2008                   | SFM/HSIS - 2009                                                                          | C04-Auto - Repair Shops                                 | M             |
| SFM - HSIS - J DAVIDSON & SONS CONST CO | 026028          | HIGHWAY, STREET, & BRIDGE CONST with 7 different chemicals reported on site (liquids and solids only)              | J DAVIDSON & SONS CONST CO | 48513 HWY 58           | OAKRIDGE | LANE   | 09/29/2008                   | SFM/HSIS - 2009                                                                          | C53-Construction Company                                | M             |

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|-------------------------------------------------|--------------------|------------------------------------------------------------------------------------------------------------------------|---------------------------------|---------------------------|----------|--------|---------------------------------|-----------------|----------------------------------------------|------------------|
| SFM - HSIS - LEVEL 3<br>COMMUNICATIONS INC      | 084752             | WIRED<br>TELECOMMUNICATIONS CARRIERS with 2<br>different chemicals<br>reported on site<br>(liquids and solids<br>only) | LEVEL 3<br>COMMUNICATIONS INC   | 76228 FISH HATCHERY<br>RD | OAKRIDGE | LANE   | 09/29/2008                      | SFM/HSIS - 2009 | C52-Communications<br>Office                 | L                |
| SFM - HSIS - LOWELL<br>CITY OF                  | 016726             | OTHER GENERAL GOV<br>SUPPORT with 2<br>different chemicals<br>reported on site<br>(liquids and solids<br>only)         | LOWELL CITY OF                  | 240 S MOSS ST             | LOWELL   | LANE   | 09/29/2008                      | SFM/HSIS - 2009 | C07-Chemical/Petroleum<br>Processing/Storage | H                |
| SFM - HSIS - LOWELL<br>RURAL FIRE<br>PROTECTION | 055142             | FIRE PROTECTION<br>with 1 different<br>chemicals reported<br>on site (liquids and<br>solids only)                      | LOWELL RURAL FIRE<br>PROTECTION | 389 N PIONEER ST          | LOWELL   | LANE   | 09/29/2008                      | SFM/HSIS - 2009 | R06-Fire Station                             | L                |
| SFM - HSIS - LOWELL<br>SCHOOL DISTRICT 71       | 066096             | ELEMENTARY &<br>SECONDARY<br>SCHOOLS with 1<br>different chemicals<br>reported on site<br>(liquids and solids<br>only) | LOWELL SCHOOL<br>DISTRICT 71    | 45 S MOSS ST              | LOWELL   | LANE   | 09/29/2008                      | SFM/HSIS - 2009 | R15-Schools                                  | M                |
| SFM - HSIS - LOWELL<br>SCHOOL DISTRICT 71       | 042370             | ELEMENTARY &<br>SECONDARY<br>SCHOOLS with 2<br>different chemicals<br>reported on site<br>(liquids and solids<br>only) | LOWELL SCHOOL<br>DISTRICT 71    | 65 S PIONEER ST           | LOWELL   | LANE   | 09/29/2008                      | SFM/HSIS - 2009 | R15-Schools                                  | M                |
| SFM - HSIS - LOWELL<br>SCHOOL DISTRICT 71       | 042378             | ELEMENTARY &<br>SECONDARY<br>SCHOOLS with 5<br>different chemicals<br>reported on site<br>(liquids and solids<br>only) | LOWELL SCHOOL<br>DISTRICT 71    | 100 E MAIN                | LOWELL   | LANE   | 09/29/2008                      | SFM/HSIS - 2009 | R15-Schools                                  | M                |
| SFM - HSIS - LOWELL<br>SERVICE STATION          | 044699             | OTHER GASOLINE<br>STATIONS with 2<br>different chemicals<br>reported on site<br>(liquids and solids<br>only)           | LOWELL SERVICE<br>STATION       | 113 E MAIN ST             | LOWELL   | LANE   | 09/29/2008                      | SFM/HSIS - 2009 | C03-Automobiles - Gas<br>Stations            | M                |
| SFM - HSIS - OAKRIDGE<br>BUILDERS SUPPLY        | 056346             | HARDWARE STORES<br>with 3 different<br>chemicals reported<br>on site (liquids and<br>solids only)                      | OAKRIDGE BUILDERS<br>SUPPLY     | 47975 HWY 58              | OAKRIDGE | LANE   | 09/29/2008                      | SFM/HSIS - 2009 | C12-<br>Furniture/Lumber/Parts<br>Stores     | M                |

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|---------------------------------------------|--------------------|------------------------------------------------------------------------------------------------------------------------|--------------------------------|----------------|----------|--------|---------------------------------|-----------------|-----------------------------------------------------|------------------|
| SFM - HSIS - OAKRIDGE<br>CARWASH            | 104328             | CAR WASHES with 1<br>different chemicals<br>reported on site<br>(liquids and solids<br>only)                           | OAKRIDGE CARWASH               | 48107 HWY 58   | OAKRIDGE | LANE   | 09/29/2008                      | SFM/HSIS - 2009 | C02-Automobiles - Car<br>Washes                     | M                |
| SFM - HSIS - OAKRIDGE<br>CHEVRON            | 102426             | OTHER GASOLINE<br>STATIONS with 2<br>different chemicals<br>reported on site<br>(liquids and solids<br>only)           | OAKRIDGE CHEVRON               | 47762 HWY 58   | OAKRIDGE | LANE   | 09/29/2008                      | SFM/HSIS - 2009 | C03-Automobiles - Gas<br>Stations                   | M                |
| SFM - HSIS - OAKRIDGE<br>CITY OF            | 022239             | FIRE PROTECTION<br>with 1 different<br>chemicals reported<br>on site (liquids and<br>solids only)                      | OAKRIDGE CITY OF               | 47592 HWY 58   | OAKRIDGE | LANE   | 09/29/2008                      | SFM/HSIS - 2009 | R06-Fire Station                                    | L                |
| SFM - HSIS - OAKRIDGE<br>CITY OF            | 016635             | OTHER GENERAL GOV<br>SUPPORT with 1<br>different chemicals<br>reported on site<br>(liquids and solids<br>only)         | OAKRIDGE CITY OF               | 48400 HILLS ST | OAKRIDGE | LANE   | 09/29/2008                      | SFM/HSIS - 2009 | C07-Chemical/Petroleum<br>Processing/Storage        | H                |
| SFM - HSIS - OAKRIDGE<br>CITY OF            | 067602             | OTHER GENERAL GOV<br>SUPPORT with 7<br>different chemicals<br>reported on site<br>(liquids and solids<br>only)         | OAKRIDGE CITY OF               | 47899 HWY 58   | OAKRIDGE | LANE   | 09/29/2008                      | SFM/HSIS - 2009 | C07-Chemical/Petroleum<br>Processing/Storage        | H                |
| SFM - HSIS - OAKRIDGE<br>SAND & GRAVEL      | 008596             | CONST SAND &<br>GRAVEL MINING with<br>2 different chemicals<br>reported on site<br>(liquids and solids<br>only)        | OAKRIDGE SAND &<br>GRAVEL      | 47859 BERRY ST | OAKRIDGE | LANE   | 09/29/2008                      | SFM/HSIS - 2009 | C18-Mining Activities -<br>Gravel Mines/Gravel Pits | H                |
| SFM - HSIS - OAKRIDGE<br>SANI HAUL INC      | 033887             | SOLID WASTE<br>COLLECTION with 1<br>different chemicals<br>reported on site<br>(liquids and solids<br>only)            | OAKRIDGE SANI HAUL<br>INC      | 47500 HWY 58   | OAKRIDGE | LANE   | 09/29/2008                      | SFM/HSIS - 2009 | R19-Waste<br>Transfer/Recycling Stations            | H                |
| SFM - HSIS - OAKRIDGE<br>SCHOOL DISTRICT 76 | 042570             | ELEMENTARY &<br>SECONDARY<br>SCHOOLS with 1<br>different chemicals<br>reported on site<br>(liquids and solids<br>only) | OAKRIDGE SCHOOL<br>DISTRICT 76 | 48119 E 1ST ST | OAKRIDGE | LANE   | 09/29/2008                      | SFM/HSIS - 2009 | R15-Schools                                         | M                |

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|------------------------------------------|-----------------|--------------------------------------------------------------------------------------------------------------------|-----------------------------|------------------------|----------|--------|------------------------------|-----------------|---------------------------------------------------------------------|---------------|
| SFM - HSIS - OAKRIDGE SCHOOL DISTRICT 76 | 042665          | ELEMENTARY & SECONDARY SCHOOLS with 1 different chemicals reported on site (liquids and solids only)               | OAKRIDGE SCHOOL DISTRICT 76 | 46433 WESTFIR RD       | EUGENE   | LANE   | 09/29/2008                   | SFM/HSIS - 2009 | R15-Schools                                                         | M             |
| SFM - HSIS - OAKRIDGE TIRE CENTER        | 063673          | TIRE DEALERS with 3 different chemicals reported on site (liquids and solids only)                                 | OAKRIDGE TIRE CENTER        | 47406 HWY 58           | OAKRIDGE | LANE   | 09/29/2008                   | SFM/HSIS - 2009 | C61-Maintenance Shop/Equipment Storage - Transportation Related     | M             |
| SFM - HSIS - ODFW                        | 005793          | OTHER GENERAL GOV SUPPORT with 9 different chemicals reported on site (liquids and solids only)                    | ODFW                        | 76389 FISH HATCHERY RD | OAKRIDGE | LANE   | 09/29/2008                   | SFM/HSIS - 2009 | C07-Chemical/Petroleum Processing/Storage                           | H             |
| SFM - HSIS - ODOT                        | 006121          | OTHER GENERAL GOV SUPPORT with 4 different chemicals reported on site (liquids and solids only)                    | ODOT                        | 47828 BERRY ST         | OAKRIDGE | LANE   | 09/29/2008                   | SFM/HSIS - 2009 | C07-Chemical/Petroleum Processing/Storage                           | H             |
| SFM - HSIS - QWEST CORPORATION           | 020892          | OTHER TELECOMMUNICATIONS with 2 different chemicals reported on site (liquids and solids only)                     | QWEST CORPORATION           | 102 E LAKEVIEW         | LOWELL   | LANE   | 09/29/2008                   | SFM/HSIS - 2009 | C52-Communications Office                                           | L             |
| SFM - HSIS - QWEST CORPORATION           | 059693          | OTHER TELECOMMUNICATIONS with 2 different chemicals reported on site (liquids and solids only)                     | QWEST CORPORATION           | 76473 HAZEL ST         | OAKRIDGE | LANE   | 09/29/2008                   | SFM/HSIS - 2009 | C52-Communications Office                                           | L             |
| SFM - HSIS - ROGER M JONES INC           | 057808          | LOGGING with 1 different chemicals reported on site (liquids and solids only)                                      | ROGER M JONES INC           | 77996 BROCK RD         | OAKRIDGE | LANE   | 09/29/2008                   | SFM/HSIS - 2009 | C60-Maintenance Shop/Equipment Storage - Not Transportation Related | M             |
| SFM - HSIS - SPRINT NEXTEL CORPORATION   | 098768          | CELLULAR & OTHER WIRELESS TELECOMMUNICATIONS with 1 different chemicals reported on site (liquids and solids only) | SPRINT NEXTEL CORPORATION   | 40242 W BOUNDARY RD    | LOWELL   | LANE   | 09/29/2008                   | SFM/HSIS - 2009 | C52-Communications Office                                           | L             |

| Database Identifier (DB_ID)               | Site Identifier | Status                                                                                                             | Common Name                | Address                | City     | County | Retrieval Date (RET_DATE) | Data Source     | DEQ PCS Type                                 | Relative Risk |
|-------------------------------------------|-----------------|--------------------------------------------------------------------------------------------------------------------|----------------------------|------------------------|----------|--------|---------------------------|-----------------|----------------------------------------------|---------------|
| SFM - HSIS - TRIPLE H AUTO SUPPLY INC     | 009228          | AUTOMOTIVE PARTS & ACCESSORIES STORES with 5 different chemicals reported on site (liquids and solids only)        | TRIPLE H AUTO SUPPLY INC   | 47781 HWY 58           | OAKRIDGE | LANE   | 09/29/2008                | SFM/HSIS - 2009 | C12-Furniture/Lumber/Parts Stores            | M             |
| SFM - HSIS - UNION PACIFIC R R            | 023761          | LINE-HAUL RAILROADS with 11 different chemicals reported on site (liquids and solids only)                         | UNION PACIFIC R R          | 48134 E COMMERCIAL ST  | OAKRIDGE | LANE   | 09/29/2008                | SFM/HSIS - 2009 | R14-Railroad Yards/Maintenance/Fueling Areas | H             |
| SFM - HSIS - VERIZON WIRELESS             | 106769          | CELLULAR & OTHER WIRELESS TELECOMMUNICATIONS with 2 different chemicals reported on site (liquids and solids only) | VERIZON WIRELESS           | 76236 FISH HATCHERY RD | OAKRIDGE | LANE   | 09/29/2008                | SFM/HSIS - 2009 | C52-Communications Office                    | L             |
| SFM - HSIS - W & J TOWING & REPAIR INC    | 009614          | GENERAL AUTOMOTIVE REPAIR with 4 different chemicals reported on site (liquids and solids only)                    | W & J TOWING & REPAIR INC  | 47991 HWY 58           | OAKRIDGE | LANE   | 09/29/2008                | SFM/HSIS - 2009 | C04-Auto - Repair Shops                      | M             |
| SFM - HSIS - WILLAMETTE NATIONAL FOREST   | 019595          | OTHER GENERAL GOV SUPPORT with 3 different chemicals reported on site (liquids and solids only)                    | WILLAMETTE NATIONAL FOREST | 49098 SALMON CREEK RD  | OAKRIDGE | LANE   | 09/29/2008                | SFM/HSIS - 2009 | C07-Chemical/Petroleum Processing/Storage    | H             |
| SFM-HSIS AST - 360NETWORKS                | 082736          | Aboveground storage tank(s) on site                                                                                | 360NETWORKS                | 48513 US HWY 58 LOT 2A | OAKRIDGE | LANE   | 09/29/2008                | SFM/HSIS - 2009 | C07-Chemical/Petroleum Processing/Storage    | H             |
| SFM-HSIS AST - CASCADE WEST TOWING        | 051042          | Aboveground storage tank(s) on site                                                                                | CASCADE WEST TOWING        | 48217 HWY 58           | OAKRIDGE | LANE   | 09/29/2008                | SFM/HSIS - 2009 | C07-Chemical/Petroleum Processing/Storage    | H             |
| SFM-HSIS AST - CIRCLE BAR GOLF CLUB       | 043269          | Aboveground storage tank(s) on site                                                                                | CIRCLE BAR GOLF CLUB       | 48447 WESTOAK RD       | OAKRIDGE | LANE   | 09/29/2008                | SFM/HSIS - 2009 | C07-Chemical/Petroleum Processing/Storage    | H             |
| SFM-HSIS AST - ECHO PUBLISHING INC        | 001227          | Aboveground storage tank(s) on site                                                                                | ECHO PUBLISHING INC        | 48013 HWY 58           | OAKRIDGE | LANE   | 09/29/2008                | SFM/HSIS - 2009 | C07-Chemical/Petroleum Processing/Storage    | H             |
| SFM-HSIS AST - HIMMEL EQUIP REPAIR INC    | 064063          | Aboveground storage tank(s) on site                                                                                | HIMMEL EQUIP REPAIR INC    | 48977 KINGS WAY RD     | OAKRIDGE | LANE   | 09/29/2008                | SFM/HSIS - 2009 | C07-Chemical/Petroleum Processing/Storage    | H             |
| SFM-HSIS AST - J DAVIDSON & SONS CONST CO | 026028          | Aboveground storage tank(s) on site                                                                                | J DAVIDSON & SONS CONST CO | 48513 HWY 58           | OAKRIDGE | LANE   | 09/29/2008                | SFM/HSIS - 2009 | C07-Chemical/Petroleum Processing/Storage    | H             |

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|-------------------------------------------|-----------------|-------------------------------------|----------------------------|--------------------------|----------|--------|------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------|---------------|
| SFM-HSIS AST - LEVEL 3 COMMUNICATIONS INC | 084752          | Aboveground storage tank(s) on site | LEVEL 3 COMMUNICATIONS INC | 76228 FISH HATCHERY RD   | OAKRIDGE | LANE   | 09/29/2008                   | SFM/HSIS - 2009                                                                   | C07-Chemical/Petroleum Processing/Storage | H             |
| SFM-HSIS AST - LOWELL CITY OF             | 016726          | Aboveground storage tank(s) on site | LOWELL CITY OF             | 240 S MOSS ST            | LOWELL   | LANE   | 09/29/2008                   | SFM/HSIS - 2009                                                                   | C07-Chemical/Petroleum Processing/Storage | H             |
| SFM-HSIS AST - LOWELL SCHOOL DISTRICT 71  | 042378          | Aboveground storage tank(s) on site | LOWELL SCHOOL DISTRICT 71  | 100 E MAIN               | LOWELL   | LANE   | 09/29/2008                   | SFM/HSIS - 2009                                                                   | C07-Chemical/Petroleum Processing/Storage | H             |
| SFM-HSIS AST - OAKRIDGE CITY OF           | 067602          | Aboveground storage tank(s) on site | OAKRIDGE CITY OF           | 47899 HWY 58             | OAKRIDGE | LANE   | 09/29/2008                   | SFM/HSIS - 2009                                                                   | C07-Chemical/Petroleum Processing/Storage | H             |
| SFM-HSIS AST - OAKRIDGE SAND & GRAVEL     | 008596          | Aboveground storage tank(s) on site | OAKRIDGE SAND & GRAVEL     | 47859 BERRY ST           | OAKRIDGE | LANE   | 09/29/2008                   | SFM/HSIS - 2009                                                                   | C07-Chemical/Petroleum Processing/Storage | H             |
| SFM-HSIS AST - OAKRIDGE SANI HAUL INC     | 033887          | Aboveground storage tank(s) on site | OAKRIDGE SANI HAUL INC     | 47500 HWY 58             | OAKRIDGE | LANE   | 09/29/2008                   | SFM/HSIS - 2009                                                                   | C07-Chemical/Petroleum Processing/Storage | H             |
| SFM-HSIS AST - OAKRIDGE TIRE CENTER       | 063673          | Aboveground storage tank(s) on site | OAKRIDGE TIRE CENTER       | 47406 HWY 58             | OAKRIDGE | LANE   | 09/29/2008                   | SFM/HSIS - 2009                                                                   | C07-Chemical/Petroleum Processing/Storage | H             |
| SFM-HSIS AST - ODFW                       | 005793          | Aboveground storage tank(s) on site | ODFW                       | 76389 FISH HATCHERY RD   | OAKRIDGE | LANE   | 09/29/2008                   | SFM/HSIS - 2009                                                                   | C07-Chemical/Petroleum Processing/Storage | H             |
| SFM-HSIS AST - ODOT                       | 006121          | Aboveground storage tank(s) on site | ODOT                       | 47828 BERRY ST           | OAKRIDGE | LANE   | 09/29/2008                   | SFM/HSIS - 2009                                                                   | C07-Chemical/Petroleum Processing/Storage | H             |
| SFM-HSIS AST - QWEST CORPORATION          | 020892          | Aboveground storage tank(s) on site | QWEST CORPORATION          | 102 E LAKEVIEW           | LOWELL   | LANE   | 09/29/2008                   | SFM/HSIS - 2009                                                                   | C07-Chemical/Petroleum Processing/Storage | H             |
| SFM-HSIS AST - QWEST CORPORATION          | 059693          | Aboveground storage tank(s) on site | QWEST CORPORATION          | 76473 HAZEL ST           | OAKRIDGE | LANE   | 09/29/2008                   | SFM/HSIS - 2009                                                                   | C07-Chemical/Petroleum Processing/Storage | H             |
| SFM-HSIS AST - ROGER M JONES INC          | 057808          | Aboveground storage tank(s) on site | ROGER M JONES INC          | 77996 BROCK RD           | OAKRIDGE | LANE   | 09/29/2008                   | SFM/HSIS - 2009                                                                   | C07-Chemical/Petroleum Processing/Storage | H             |
| SFM-HSIS AST - UNION PACIFIC R R          | 023761          | Aboveground storage tank(s) on site | UNION PACIFIC R R          | 48134 E COMMERCIAL ST    | OAKRIDGE | LANE   | 09/29/2008                   | SFM/HSIS - 2009                                                                   | C07-Chemical/Petroleum Processing/Storage | H             |
| SFM-HSIS AST - VERIZON WIRELESS           | 106769          | Aboveground storage tank(s) on site | VERIZON WIRELESS           | 76236 FISH HATCHERY RD   | OAKRIDGE | LANE   | 09/29/2008                   | SFM/HSIS - 2009                                                                   | C07-Chemical/Petroleum Processing/Storage | H             |
| SFM-HSIS AST - W & J TOWING & REPAIR INC  | 009614          | Aboveground storage tank(s) on site | W & J TOWING & REPAIR INC  | 47991 HWY 58             | OAKRIDGE | LANE   | 09/29/2008                   | SFM/HSIS - 2009                                                                   | C07-Chemical/Petroleum Processing/Storage | H             |
| SWMS - Oakridge Landfill                  | 104038          | 86 Municipal - Landfill - Closure   | Oakridge Landfill          | SEC22,T21S,R03E          | OAKRIDGE | LANE   | 01/25/2016                   | OR Dept. of Environmental Quality Solid Waste Management System (DEQ/SWMS - 2016) | R10-Municipal/Industrial Landfill         | H             |
| SWMS - Oakridge Transfer Station          | 105897          | 411 Municipal - Transfer - Active   | Oakridge Transfer Station  | 48977 KITSON SPRINGS RD. | OAKRIDGE | LANE   | 01/25/2016                   | DEQ/SWMS - 2016                                                                   | R10-Municipal/Industrial Landfill         | H             |

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|---------------------------------------------------|-----------------|-----------------------------------------------------|---------------------------------------------|------------------------|------------|--------|---------------------------|-------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|---------------|
| SWMS - Pope & Talbot Landfill                     | 104257          | 1020 Industrial - Wood - Closure                    | Pope & Talbot Landfill                      |                        |            | LANE   | 01/25/2016                | DEQ/SWMS - 2016                                                                           | R10-Municipal/Industrial Landfill                                                          | H             |
| UIC - Casey's Riverside R.V. Park                 | 10282           | OnSite system / Registered w/permit                 | Casey's Riverside R.V. Park                 | 46443 Westfir Rd.      | Westfir    | Lane   | 01/12/2016                | OR Dept. of Environmental Quality Underground Injection Control database (DEQ/UIC - 2016) | M31-Large Capacity Septic Systems -Class V UIC (serves >20)                                | M             |
| UIC - City of Oakridge                            | 13571           | 2-Small Municipality (49 or less) / Registered & RA | City of Oakridge                            | 48318 E. 1st Street    | Oakridge   | Lane   | 01/12/2016                | DEQ/UIC - 2016                                                                            | M59-Stormwater Wastewater Injection/Dry Wells, Sumps - Class V UICs                        | M             |
| UIC - Dexter Dam Service Building - USCOE         | 11390           | OnSite system / Registered & RA                     | Dexter Dam Service Building - USCOE         | 40386 W. Boundary Road | Lowell     | Lane   | 01/12/2016                | DEQ/UIC - 2016                                                                            | M31-Large Capacity Septic Systems -Class V UIC (serves >20)                                | M             |
| UIC - Dexter Park                                 | 10403           | OnSite system / Registered w/permit                 | Dexter Park                                 | Highway 58             | Dexter     | Lane   | 01/12/2016                | DEQ/UIC - 2016                                                                            | M31-Large Capacity Septic Systems -Class V UIC (serves >20)                                | M             |
| UIC - Middle Fork Oakridge District Office (USFS) | 11556           | 3-Large Municipality (50+) / Formal Closure         | Middle Fork Oakridge District Office (USFS) | 46375 Highway 58       | Westfir    | Lane   | 01/12/2016                | DEQ/UIC - 2016                                                                            | M59-Stormwater Wastewater Injection/Dry Wells, Sumps - Class V UICs                        | L             |
| UIC - Rigdon District Office - USFS (Flat Creek)  | 11558           | 3-Large Municipality (50+) / Registered & not RA    | Rigdon District Office - USFS (Flat Creek)  | 49098 Salmon Creek     | Oakridge   | Lane   | 01/12/2016                | DEQ/UIC - 2016                                                                            | M59-Stormwater Wastewater Injection/Dry Wells, Sumps - Class V UICs                        | M             |
| UIC - Westridge Middle School                     | 14135           | OnSite system / Registered w/permit                 | Westridge Middle School                     | 46433 Westfir Rd       | Westfir    | lane   | 01/12/2016                | DEQ/UIC - 2016                                                                            | M31-Large Capacity Septic Systems -Class V UIC (serves >20)                                | M             |
| UST - BI-MOR STATION #17 DBA OAKRIDGE SHELL       | 3593            | 4 Upgraded, 4 Decommissioned, 0 Unknown             | BI-MOR STATION #17 DBA OAKRIDGE SHELL       | 47686 HWY 58           | OAKRIDGE   | LANE   | 01/25/2016                | OR Dept. of Environmental Quality Underground Storage Tank Program (DEQ/UST - 2016)       | M27-UST - Upgraded and/or Registered - Active (may also have decommissioned tanks on site) | L             |
| UST - BOLIN AUTO SALES                            | 1421            | 0 Upgraded, 2 Decommissioned, 0 Unknown             | BOLIN AUTO SALES                            | 48224 1ST ST           | OAKRIDGE   | LANE   | 01/25/2016                | DEQ/UST - 2016                                                                            | M24-UST - Decommissioned - Inactive                                                        | L             |
| UST - BRIDGE TOWN MARKET                          | 11925           | 3 Upgraded, 0 Decommissioned, 0 Unknown             | BRIDGE TOWN MARKET                          | 105 N. MOSS STREET     | LOWELL     | LANE   | 01/25/2016                | DEQ/UST - 2016                                                                            | M27-UST - Upgraded and/or Registered - Active (may also have decommissioned tanks on site) | L             |
| UST - EAGLE ROCK LOGGING INC                      | 9770            | 0 Upgraded, 2 Decommissioned, 0 Unknown             | EAGLE ROCK LOGGING INC                      | 81956 CHICKAREE RD     | LOWELL     | LANE   | 01/25/2016                | DEQ/UST - 2016                                                                            | M24-UST - Decommissioned - Inactive                                                        | L             |
| UST - FALL CREEK MARKET                           | 3835            | 0 Upgraded, 3 Decommissioned, 0 Unknown             | FALL CREEK MARKET                           | 39074 JASPER-LOWELL RD | FALL CREEK | LANE   | 01/25/2016                | DEQ/UST - 2016                                                                            | M24-UST - Decommissioned - Inactive                                                        | L             |
| UST - HEDEGAARD, JOHN GOMBERT & DOROTHY J         | 299             | 0 Upgraded, 5 Decommissioned, 0 Unknown             | HEDEGAARD, JOHN GOMBERT & DOROTHY J         | 47609 HWY 58           | OAKRIDGE   | LANE   | 01/25/2016                | DEQ/UST - 2016                                                                            | M24-UST - Decommissioned - Inactive                                                        | L             |
| UST - KELLERS AUTO REPAIR                         | 7113            | 0 Upgraded, 6 Decommissioned, 0 Unknown             | KELLERS AUTO REPAIR                         | 48097 HWY 58           | OAKRIDGE   | LANE   | 01/25/2016                | DEQ/UST - 2016                                                                            | M24-UST - Decommissioned - Inactive                                                        | L             |

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|-------------------------------------------|-----------------|-----------------------------------------|-------------------------------------|------------------|----------|--------|---------------------------|----------------|--------------------------------------------------------------------------------------------|---------------|
| UST - LANE COUNTY                         | 3511            | 0 Upgraded, 2 Decommissioned, 0 Unknown | LANE COUNTY                         | 76410 DOUGLAS ST | OAKRIDGE | LANE   | 01/25/2016                | DEQ/UST - 2016 | M24-UST - Decommissioned - Inactive                                                        | L             |
| UST - LANE COUNTY                         | 3520            | 0 Upgraded, 4 Decommissioned, 0 Unknown | LANE COUNTY                         | 39095 DEXTER RD  | DEXTER   | LANE   | 01/25/2016                | DEQ/UST - 2016 | M24-UST - Decommissioned - Inactive                                                        | L             |
| UST - LANE ELECTRIC CO-OP INC             | 6558            | 0 Upgraded, 1 Decommissioned, 0 Unknown | LANE ELECTRIC CO-OP INC             | 76440 CEDAR      | OAKRIDGE | LANE   | 01/25/2016                | DEQ/UST - 2016 | M24-UST - Decommissioned - Inactive                                                        | L             |
| UST - LOWELL BUS SHOP                     | 9030            | 0 Upgraded, 2 Decommissioned, 0 Unknown | LOWELL BUS SHOP                     | LOWELL           | LOWELL   | LANE   | 01/25/2016                | DEQ/UST - 2016 | M24-UST - Decommissioned - Inactive                                                        | L             |
| UST - LOWELL CFN                          | 7914            | 3 Upgraded, 2 Decommissioned, 0 Unknown | LOWELL CFN                          | 44784 HWY 58     | LOWELL   | LANE   | 01/25/2016                | DEQ/UST - 2016 | M27-UST - Upgraded and/or Registered - Active (may also have decommissioned tanks on site) | L             |
| UST - LOWELL COUNTY PARK                  | 10733           | 0 Upgraded, 2 Decommissioned, 0 Unknown | LOWELL COUNTY PARK                  | GENERAL DELIVERY | LOWELL   | LANE   | 01/25/2016                | DEQ/UST - 2016 | M24-UST - Decommissioned - Inactive                                                        | L             |
| UST - LOWELL GAS AND GROCERY              | 279             | 2 Upgraded, 4 Decommissioned, 0 Unknown | LOWELL GAS AND GROCERY              | 113 E MAIN ST    | LOWELL   | LANE   | 01/25/2016                | DEQ/UST - 2016 | M27-UST - Upgraded and/or Registered - Active (may also have decommissioned tanks on site) | L             |
| UST - LOWELL RFPD                         | 510             | 0 Upgraded, 1 Decommissioned, 0 Unknown | LOWELL RFPD                         | 389 N PIONEER    | LOWELL   | LANE   | 01/25/2016                | DEQ/UST - 2016 | M24-UST - Decommissioned - Inactive                                                        | L             |
| UST - LOWELL SCHOOL                       | 10462           | 0 Upgraded, 2 Decommissioned, 0 Unknown | LOWELL SCHOOL                       | 45 S MOSS ST     | LOWELL   | LANE   | 01/25/2016                | DEQ/UST - 2016 | M24-UST - Decommissioned - Inactive                                                        | L             |
| UST - MILL SITE                           | 7464            | 0 Upgraded, 5 Decommissioned, 0 Unknown | MILL SITE                           | 48513 HWY. 58    | OAKRIDGE | LANE   | 01/25/2016                | DEQ/UST - 2016 | M24-UST - Decommissioned - Inactive                                                        | L             |
| UST - OAKRIDGE CHEVRON                    | 9993            | 3 Upgraded, 4 Decommissioned, 0 Unknown | OAKRIDGE CHEVRON                    | 47762 HWY 58     | OAKRIDGE | LANE   | 01/25/2016                | DEQ/UST - 2016 | M27-UST - Upgraded and/or Registered - Active (may also have decommissioned tanks on site) | L             |
| UST - OAKRIDGE PACIFIC PRIDE              | 12219           | 0 Upgraded, 0 Decommissioned, 0 Unknown | OAKRIDGE PACIFIC PRIDE              | 48541 HWY 58     | OAKRIDGE | LANE   | 01/25/2016                | DEQ/UST - 2016 | M28-UST - Status Unknown                                                                   | M             |
| UST - OAKRIDGE RANGER DISTRICT            | 10015           | 0 Upgraded, 2 Decommissioned, 0 Unknown | OAKRIDGE RANGER DISTRICT            | 46375 HWY 58     | OAKRIDGE | LANE   | 01/25/2016                | DEQ/UST - 2016 | M24-UST - Decommissioned - Inactive                                                        | L             |
| UST - OAKRIDGE SAND & GRAVEL INC          | 7825            | 0 Upgraded, 3 Decommissioned, 0 Unknown | OAKRIDGE SAND & GRAVEL INC          | 47859 BERRY ST   | OAKRIDGE | LANE   | 01/25/2016                | DEQ/UST - 2016 | M24-UST - Decommissioned - Inactive                                                        | L             |
| UST - OAKRIDGE SCHOOL DIST. 76 - BUS BARN | 1196            | 0 Upgraded, 2 Decommissioned, 0 Unknown | OAKRIDGE SCHOOL DIST. 76 - BUS BARN | 47975 W 2ND ST   | OAKRIDGE | LANE   | 01/25/2016                | DEQ/UST - 2016 | M24-UST - Decommissioned - Inactive                                                        | L             |

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|-----------------------------------------------|-----------------|-----------------------------------------|-----------------------------------------|---------------------------|------------|--------|------------------------------|----------------|--------------------------------------------------------------------------------------------|---------------|
| UST - OAKRIDGE SECTION & SIGNAL               | 4690            | 0 Upgraded, 4 Decommissioned, 0 Unknown | OAKRIDGE SECTION & SIGNAL               | CENTER OF RAILROAD YARD   | OAKRIDGE   | LANE   | 01/25/2016                   | DEQ/UST - 2016 | M24-UST - Decommissioned - Inactive                                                        | L             |
| UST - OAKRIDGE, CITY OF - BEECH STREET SHOP   | 7828            | 0 Upgraded, 1 Decommissioned, 0 Unknown | OAKRIDGE, CITY OF - BEECH STREET SHOP   | BEECH ST                  | OAKRIDGE   | LANE   | 01/25/2016                   | DEQ/UST - 2016 | M24-UST - Decommissioned - Inactive                                                        | L             |
| UST - ON THE WAY, INC.                        | 9685            | 3 Upgraded, 3 Decommissioned, 0 Unknown | ON THE WAY, INC.                        | 38299 HWY 58              | DEXTER     | LANE   | 01/25/2016                   | DEQ/UST - 2016 | M27-UST - Upgraded and/or Registered - Active (may also have decommissioned tanks on site) | L             |
| UST - OR DEPT OF FISH & WILDLIFE              | 11112           | 0 Upgraded, 1 Decommissioned, 0 Unknown | OR DEPT OF FISH & WILDLIFE              | 76389 FISH HATCHERY RD    | OAKRIDGE   | LANE   | 01/25/2016                   | DEQ/UST - 2016 | M24-UST - Decommissioned - Inactive                                                        | L             |
| UST - OR STATE HWY 3-5 OAKRIDGE               | 1048            | 0 Upgraded, 4 Decommissioned, 0 Unknown | OR STATE HWY 3-5 OAKRIDGE               | 47828 BERRY ST            | OAKRIDGE   | LANE   | 01/25/2016                   | DEQ/UST - 2016 | M24-UST - Decommissioned - Inactive                                                        | L             |
| UST - RATLIFF ENTERPRISES LLC                 | 1445            | 0 Upgraded, 5 Decommissioned, 0 Unknown | RATLIFF ENTERPRISES LLC                 | 48080 HIGHWAY 58          | OAKRIDGE   | LANE   | 01/25/2016                   | DEQ/UST - 2016 | M24-UST - Decommissioned - Inactive                                                        | L             |
| UST - RENE TANGEN                             | 12371           | 0 Upgraded, 1 Decommissioned, 0 Unknown | RENE TANGEN                             | 40388 REUBEN LEIGH ROAD   | FALL CREEK | LANE   | 01/25/2016                   | DEQ/UST - 2016 | M24-UST - Decommissioned - Inactive                                                        | L             |
| UST - ROBERTS, EDGAR                          | 9430            | 0 Upgraded, 1 Decommissioned, 0 Unknown | ROBERTS, EDGAR                          | AIRPORT RD                | OAKRIDGE   | LANE   | 01/25/2016                   | DEQ/UST - 2016 | M24-UST - Decommissioned - Inactive                                                        | L             |
| UST - SOUTHERN PACIFIC SITE                   | 11479           | 0 Upgraded, 1 Decommissioned, 0 Unknown | SOUTHERN PACIFIC SITE                   | RR MILE MARKER 554.8 RT C | OAKRIDGE   | LANE   | 01/25/2016                   | DEQ/UST - 2016 | M24-UST - Decommissioned - Inactive                                                        | L             |
| UST - TM & R LOGGING                          | 9510            | 0 Upgraded, 1 Decommissioned, 0 Unknown | TM & R LOGGING                          | 76673 LADUKE RD           | WESTFIR    | LANE   | 01/25/2016                   | DEQ/UST - 2016 | M24-UST - Decommissioned - Inactive                                                        | L             |
| UST - UNOCAL 0539                             | 907             | 0 Upgraded, 5 Decommissioned, 0 Unknown | UNOCAL 0539                             | HWY 58 & ROCK ROAD        | OAKRIDGE   | LANE   | 01/25/2016                   | DEQ/UST - 2016 | M24-UST - Decommissioned - Inactive                                                        | L             |
| UST - UNOCAL 4381                             | 980             | 0 Upgraded, 4 Decommissioned, 0 Unknown | UNOCAL 4381                             | 47800 HWY 58              | OAKRIDGE   | LANE   | 01/25/2016                   | DEQ/UST - 2016 | M24-UST - Decommissioned - Inactive                                                        | L             |
| UST - UPPER WILLAMETTE VALLEY PROJECTS OFFICE | 10143           | 0 Upgraded, 4 Decommissioned, 0 Unknown | UPPER WILLAMETTE VALLEY PROJECTS OFFICE | DEXTER LAKE               | LOWELL     | LANE   | 01/25/2016                   | DEQ/UST - 2016 | M24-UST - Decommissioned - Inactive                                                        | L             |
| UST - US ARMY CORPS OF ENGINEERS, HILLS CREEK | 11635           | 0 Upgraded, 1 Decommissioned, 0 Unknown | US ARMY CORPS OF ENGINEERS, HILLS CREEK | RIGDON ROAD               | OAKRIDGE   | LANE   | 01/25/2016                   | DEQ/UST - 2016 | M24-UST - Decommissioned - Inactive                                                        | L             |
| UST - USDA FS - RIGDON RANGER DISTRICT        | 8283            | 0 Upgraded, 4 Decommissioned, 0 Unknown | USDA FS - RIGDON RANGER DISTRICT        | 49098 SALMON CR RD        | OAKRIDGE   | LANE   | 01/25/2016                   | DEQ/UST - 2016 | M24-UST - Decommissioned - Inactive                                                        | L             |
| UST - USFS LOWELL SERVICE CENTER WAREHOUSE    | 8208            | 0 Upgraded, 3 Decommissioned, 0 Unknown | USFS LOWELL SERVICE CENTER WAREHOUSE    | 196 N 6TH ST              | LOWELL     | LANE   | 01/25/2016                   | DEQ/UST - 2016 | M24-UST - Decommissioned - Inactive                                                        | L             |

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|------------------------------------------|-----------------|-----------------------------------------|---------------------------------|------------------------|----------|--------|---------------------------|---------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|---------------|
| UST - USWEST COMMUNICATIONS              | 5812            | 0 Upgraded, 1 Decommissioned, 0 Unknown | USWEST COMMUNICATIONS           | 1ST & HAZEL ST         | OAKRIDGE | LANE   | 01/25/2016                | DEQ/UST - 2016                                                                                    | M24-UST - Decommissioned - Inactive                                                             | L             |
| UST - WESTRIDGE MIDDLE SCHOOL            | 1194            | 0 Upgraded, 2 Decommissioned, 0 Unknown | WESTRIDGE MIDDLE SCHOOL         | 46433 WESTFIR RD       | WESTFIR  | LANE   | 01/25/2016                | DEQ/UST - 2016                                                                                    | M24-UST - Decommissioned - Inactive                                                             | L             |
| WQ - SIS outfalls - LOWELL STP           | 51447           | See WQ permit file                      | LOWELL STP                      | Not applicable         | LOWELL   | LANE   | 2009                      | OR Dept. of Environmental Quality Water Quality SIS Outfall location data (DEQ/WQ SIS - 2009)     | R20-Wastewater Treatment Plants/Collection Stations                                             | H             |
| WQ - SIS outfalls - OAKRIDGE STP         | 62886           | See WQ permit file                      | OAKRIDGE STP                    | Not applicable         | OAKRIDGE | LANE   | 2009                      | DEQ/WQ SIS - 2009                                                                                 | R20-Wastewater Treatment Plants/Collection Stations                                             | H             |
| WQ - SIS outfalls - WESTFIR STP          | 94805           | See WQ permit file                      | WESTFIR STP                     | Not applicable         | WESTFIR  | LANE   | 2009                      | DEQ/WQ SIS - 2009                                                                                 | R20-Wastewater Treatment Plants/Collection Stations                                             | H             |
| WQ - WWTP                                | 94805           | DOMESTIC - NPDES-DOM-Da                 | WESTFIR STP                     | 46700 Westoak Rd       | WESTFIR  | LANE   | 01/25/2016                | OR Dept. of Environmental Quality Water Quality Waste Water Treatment Plants (DEQ/WQ WWTP - 2016) | R20-Sewage Treatment Plants                                                                     | H             |
| WQ - WWTP                                | 51447           | DOMESTIC - NPDES-DOM-Da                 | LOWELL STP                      | 240 S MOSS STREET      | LOWELL   | LANE   | 01/25/2016                | DEQ/WQ WWTP - 2016                                                                                | R20-Sewage Treatment Plants                                                                     | H             |
| WQ - WWTP                                | 62886           | DOMESTIC - NPDES-DOM-Da                 | OAKRIDGE STP                    | 47299 LADUKE ROAD      | OAKRIDGE | LANE   | 01/25/2016                | DEQ/WQ WWTP - 2016                                                                                | R20-Sewage Treatment Plants                                                                     | H             |
| WQ SIS - CASEY'S RIVESIDE RV PARK        | 108327          | WPCFOS-BiiiRGF> - DOMESTIC              | CASEY'S RIVESIDE RV PARK        | 46443 WEST FIR RD.     | WEST FIR | LANE   | 01/25/2016                | OR Dept. of Environmental Quality Water Quality SIS database (DEQ/WQ SIS - 2016)                  | M31 - Domestic Sewage Treatment with On-Site System/ Large Capacity Septic Systems Serving > 20 | M             |
| WQ SIS - LOWELL STP                      | 51447           | NPDES-DOM-Da - DOMESTIC                 | LOWELL STP                      | 240 S MOSS STREET      | LOWELL   | LANE   | 01/25/2016                | DEQ/WQ SIS - 2016                                                                                 | R20-Wastewater Treatment Plants/Collection Stations                                             | H             |
| WQ SIS - OAKRIDGE STP                    | 62886           | NPDES-DOM-Da - DOMESTIC                 | OAKRIDGE STP                    | 47299 LADUKE ROAD      | OAKRIDGE | LANE   | 01/25/2016                | DEQ/WQ SIS - 2016                                                                                 | R20-Wastewater Treatment Plants/Collection Stations                                             | H             |
| WQ SIS - OAKRIDGE SAND & GRAVEL          | 111781          | GEN12A - STORMWATER                     | OAKRIDGE SAND & GRAVEL          | 47859 BERRY ST         | OAKRIDGE | LANE   | 01/25/2016                | DEQ/WQ SIS - 2016                                                                                 | M57-DEQ Permitted Stormwater Discharges (NPDES or WPCF)                                         | L             |
| WQ SIS - ODFW - DEXTER PONDS             | 64450           | GEN03 - INDUSTRIAL                      | ODFW - DEXTER PONDS             | 39194 PENGRA RD        | LOWELL   | LANE   | 01/25/2016                | DEQ/WQ SIS - 2016                                                                                 | M62-Industrial or Process Wastewater - WPCF and NPDES/ Lagoons and Liquid Waste                 | H             |
| WQ SIS - ODFW - WILLAMETTE FISH HATCHERY | 64585           | GEN03 - INDUSTRIAL                      | ODFW - WILLAMETTE FISH HATCHERY | 76389 FISH HATCHERY RD | OAKRIDGE | LANE   | 01/25/2016                | DEQ/WQ SIS - 2016                                                                                 | M62-Industrial or Process Wastewater - WPCF and NPDES/ Lagoons and Liquid Waste                 | H             |

| Database Identifier (DB_ID)                                                                                                 | Site Identifier | Status                                                                                                                                                                                          | Common Name                             | Address                            | City     | County | Retrieval Date (RET_DATE) | Data Source                                                                                                          | DEQ PCS Type                                                                                                                                      | Relative Risk |
|-----------------------------------------------------------------------------------------------------------------------------|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|------------------------------------|----------|--------|---------------------------|----------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| WQ SIS - SUNSET VIEW RANCH SUBDIVISION                                                                                      | 111373          | GEN12C - STORMWATER                                                                                                                                                                             | SUNSET VIEW RANCH SUBDIVISION           | 340 HYLAND/4TH ST.                 | LOWELL   | LANE   | 01/25/2016                | DEQ/WQ SIS - 2016                                                                                                    | M57-DEQ Permitted Stormwater Discharges (NPDES or WPCF)                                                                                           | L             |
| WQ SIS - WESTFIR STP                                                                                                        | 94805           | NPDES-DOM-Da - DOMESTIC                                                                                                                                                                         | WESTFIR STP                             | 46700 Westoak Rd                   | WESTFIR  | LANE   | 01/25/2016                | DEQ/WQ SIS - 2016                                                                                                    | R20-Wastewater Treatment Plants/Collection Stations                                                                                               | H             |
| WQ SIS - WESTRIDGE MIDDLE SCHOOL                                                                                            | 111293          | WPCFOS-BiiiRGF> - DOMESTIC                                                                                                                                                                      | WESTRIDGE MIDDLE SCHOOL                 | 46433 WESTFIR RD                   | WESTFIR  | LANE   | 01/25/2016                | DEQ/WQ SIS - 2016                                                                                                    | M31 - Domestic Sewage Treatment with On-Site System/ Large Capacity Septic Systems Serving > 20                                                   | M             |
| <b>Previously identified in 2000-2005 Source Water Assessment (PWS should verify presence, potential risk and location)</b> |                 |                                                                                                                                                                                                 |                                         |                                    |          |        |                           |                                                                                                                      |                                                                                                                                                   |               |
| DWP - PCS - AGRICULTURAL LAND OF UNKNOWN USE                                                                                | 1329            | A04 Type; A - Crops - Irrigated (inc. orchards, vineyards, nurseries, greenhouses) - Agricultural Land Use Unknown                                                                              | AGRICULTURAL LAND OF UNKNOWN USE        | SOUTH OF MHP                       | Dexter   | Lane   | 2005                      | OR Dept. of Environmental Quality and OR Health Authority Source Water Assessment database (DEQ/OHA SWA 2000 - 2005) | A04-Crops - Irrigated - Berries, Hops, Mint, Orchards, Vineyards/Nurseries, Green Houses, Vegetables, etc.                                        | H             |
| DWP - PCS - Casey's Riverside Park                                                                                          | 4519            | R09 Type; P - Housing - High Density (> 1 House/0.5 acres)                                                                                                                                      | Casey's Riverside Park                  | 46463 Westfir Road                 | Westfir  | Lane   | 2005                      | DEQ/OHA SWA 2000 - 2005                                                                                              | R09-Housing - High Density - > 1 House/0.5 Acres                                                                                                  | M             |
| DWP - PCS - Casey's Riverside Park - On-Site System                                                                         | 4520            | M31 Type; P - Large Capacity Septic Systems (serves > 20 people) - Class V UICs                                                                                                                 | Casey's Riverside Park - On-Site System | Drainfield is northwest of Well #2 | Westfir  | Lane   | 2005                      | DEQ/OHA SWA 2000 - 2005                                                                                              | M31-Large Capacity Septic Systems -Class V UIC (serves >20)                                                                                       | M             |
| DWP - PCS - Caseys Trailer Park/RV Park                                                                                     | 4876            | M53 Type; A - Wells - Production; R03 Type; A - Campgrounds/RV Parks; R09 Type; A - Housing - High Density (> 1 House/0.5 acres); R16 Type; A - Septic Systems - High Density (> 1 system/acre) | Caseys Trailer Park/RV Park             | South of wells                     | Westfir  | Lane   | 2005                      | DEQ/OHA SWA 2000 - 2005                                                                                              | M53-Wells - Production; R03-Campgrounds/ RV Parks; R09-Housing - High Density - > 1 House/0.5 Acres; R16-Septic Systems - High Density - > 1/Acre | M             |
| DWP - PCS - Chalk Creek                                                                                                     | 5277            | M51 Type; A - Landslide Area - Potential Land Movement                                                                                                                                          | Chalk Creek                             | Northeast of intake                | Westfir  | Lane   | 2005                      | DEQ/OHA SWA 2000 - 2005                                                                                              | M51-Landslide Area                                                                                                                                | H             |
| DWP - PCS - City's unused Well#3                                                                                            | 15383           | M61 Type; P - Wells - Abandoned                                                                                                                                                                 | City's un-used Well#3                   | In between wells #2 & #4           | Oakridge | Lane   | 2005                      | DEQ/OHA SWA 2000 - 2005                                                                                              | M61-Wells - Abandoned                                                                                                                             | H             |

| Database Identifier (DB_ID)                  | Site Identifier | Status                                                                                                                                                                                                                                       | Common Name                      | Address                                            | City    | County | Retrieval Date (RET_DATE) | Data Source             | DEQ PCS Type                                                                                                                                                                               | Relative Risk |
|----------------------------------------------|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|----------------------------------------------------|---------|--------|---------------------------|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| DWP - PCS - DECEPTION CREEK MOBILE HOME PARK | 708             | M31 Type; P - Large Capacity Septic Systems (serves > 20 people) - Class V UICs; R09 Type; P - Housing - High Density (> 1 House/0.5 acres)                                                                                                  | DECEPTION CREEK MOBILE HOME PARK | 46372 HWY 58                                       | Westfir | Lane   | 2005                      | DEQ/OHA SWA 2000 - 2005 | M31-Large Capacity Septic Systems -Class V UIC (serves >20); R09-Housing - High Density - > 1 House/0.5 Acres                                                                              | H             |
| DWP - PCS - Dexter County Park               | 5179            | R13 Type; A - Parks                                                                                                                                                                                                                          | Dexter County Park               | Northeast of well 1                                | Dexter  | Lane   | 2005                      | DEQ/OHA SWA 2000 - 2005 | R13-Parks                                                                                                                                                                                  | M             |
| DWP - PCS - Dexter Lake Club and Café        | 5175            | C50 Type; P - Other - Small restaurant                                                                                                                                                                                                       | Dexter Lake Club and Café        | Southeast of well 1                                | Dexter  | Lane   | 2005                      | DEQ/OHA SWA 2000 - 2005 | C50-Others (List)                                                                                                                                                                          | H             |
| DWP - PCS - Dexter Reservoir                 | 5171            | M14 Type; A - River Recreation - Heavy Use (inc. campgrounds); M29 Type; A - Upstream Reservoirs/Dams                                                                                                                                        | Dexter Reservoir                 | Northeast of well 1                                | Dexter  | Lane   | 2005                      | DEQ/OHA SWA 2000 - 2005 | M14-River Recreation - Heavy Use (inc. Campgrounds); M29- Upstream Reservoirs /Dams                                                                                                        | M             |
| DWP - PCS - Dexter Reservoir-Parking Lot     | 5172            | C20 Type; P - Parking Lots/Malls (> 50 Spaces)                                                                                                                                                                                               | Dexter Reservoir-Parking Lot     | Northeast of well 1                                | Dexter  | Lane   | 2005                      | DEQ/OHA SWA 2000 - 2005 | C20-Parking Lots/Malls - > 50 Spaces                                                                                                                                                       | H             |
| DWP - PCS - Dexter Sanitary Lines            | 4029            | R17 Type; A - Sewer Lines - Close Proximity to PWS                                                                                                                                                                                           | Dexter Sanitary Lines            | South of Well #2 under Dexter Road                 | Dexter  | Lane   | 2005                      | DEQ/OHA SWA 2000 - 2005 | R17-Sewer Lines - Close Proximity to PWS                                                                                                                                                   | M             |
| DWP - PCS - DEXTER SHOP/LANE COUNTY SHOP     | 1325            | C03 Type; P - Automobiles - Gas Stations; C04 Type; P - Automobiles - Repair Shops; M01 Type; P - Above Ground Storage Tanks - Excluding Water and Residential ASTs; M26 Type; P - UST - Confirmed Leaking but listed as NFA - DEQ LUST List | DEXTER SHOP/LANE COUNTY SHOP     | 39095 DEXTER RD/CORNER OF DEXTER RD AND LOST CREEK | Dexter  | Lane   | 2005                      | DEQ/OHA SWA 2000 - 2005 | C03-Auto - Gas Stations; C04-Auto - Repair Shops; M01-Above Ground Storage Tanks-Excluding Water Tanks and Residential ASTs; M26-UST - Confirmed Leaking but listed as NFA - DEQ LUST List | M             |

| Database Identifier<br>(DB_ID)                               | Site Identifier | Status                                                                                                                                                                                                                     | Common Name                                      | Address                           | City     | County | Retrieval Date<br>(RET_DATE) | Data Source             | DEQ PCS Type                                                                                                                                                       | Relative Risk |
|--------------------------------------------------------------|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|-----------------------------------|----------|--------|------------------------------|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| DWP - PCS - DEXTER SHORES MHP                                | 1323            | M04 Type; A - Stormwater Outfalls; M30 Type; A - Wells - Residential/ Municipal and Commercial/ Industrial; R09 Type; A - Housing - High Density (> 1 House/0.5 acres); R17 Type; A - Sewer Lines - Close Proximity to PWS | DEXTER SHORES MHP                                | EAST END OF DEXTER ROAD AND SOUTH | Dexter   | Lane   | 2005                         | DEQ/OHA SWA 2000 - 2005 | M04-Stormwater Outfalls; M30-Wells - Residential/Commercial/Industrial; R09-Housing - High Density - > 1 House/0.5 Acres; R17-Sewer Lines - Close Proximity to PWS | H             |
| DWP - PCS - Donlon Tree Farm                                 | 5281            | A05 Type; A - Crops - Nonirrigated (inc. Christmas trees, grains, grass seed, pasture)                                                                                                                                     | Donlon Tree Farm                                 | Northeast of intake               | Westfir  | Lane   | 2005                         | DEQ/OHA SWA 2000 - 2005 | A05-Crops - Nonirrigated - Christmas Trees, Grains, Grass Seeds, Hay, Pasture                                                                                      | L             |
| DWP - PCS - Econo Motel                                      | 5174            | C66 Type; P - Motel - Small motel; M01 Type; P - Above Ground Storage Tanks - Excluding Water and Residential ASTs                                                                                                         | Econo Motel                                      | Northeast of well 1               | Dexter   | Lane   | 2005                         | DEQ/OHA SWA 2000 - 2005 | C66-Motel; M01-Above Ground Storage Tanks-Excluding Water Tanks and Residential ASTs                                                                               | M             |
| DWP - PCS - Eroding levy                                     | 15387           | M02 Type; A - Channel Alterations - Heavy                                                                                                                                                                                  | Eroding levy                                     | Along both sides of Salmon river  | Oakridge | Lane   | 2005                         | DEQ/OHA SWA 2000 - 2005 | M02-Channel Alterations - Heavy                                                                                                                                    | H             |
| DWP - PCS - Fish Hatchery Road                               | 15390           | M56 Type; A - Transportation Corridors - High Use Roads/Streets                                                                                                                                                            | Fish Hatchery Road                               | East of Well                      | Oakridge | Lane   | 2005                         | DEQ/OHA SWA 2000 - 2005 | M56-Transportation Corridors - High Use Roads/Streets                                                                                                              | H             |
| DWP - PCS - FOREST SERVICE ROAD SOUTH OF DECEPTION CREEK MHP | 711             | M56 Type; A - Transportation Corridors - High Use Roads/Streets                                                                                                                                                            | FOREST SERVICE ROAD SOUTH OF DECEPTION CREEK MHP | SOUTH OF DECEPTION CREEK MHP      | Westfir  | Lane   | 2005                         | DEQ/OHA SWA 2000 - 2005 | M56-Transportation Corridors - High Use Roads/Streets                                                                                                              | H             |
| DWP - PCS - Future Residential Development                   | 4880            | R52 Type; A - Future Land Development - Residential                                                                                                                                                                        | Future Residential Development                   | West of wells                     | Westfir  | Lane   | 2005                         | DEQ/OHA SWA 2000 - 2005 | R52-Future Land Development - Residential                                                                                                                          | H             |
| DWP - PCS - Grazing Animals                                  | 5280            | A07 Type; A - Grazing Animals (> 5 large animals or equivalent/acre)                                                                                                                                                       | Grazing Animals                                  | Northeast of intake               | Westfir  | Lane   | 2005                         | DEQ/OHA SWA 2000 - 2005 | A07-Grazing Animals - > 5 Large Animals or Equivalent/Acre                                                                                                         | H             |
| DWP - PCS - High Density Housing                             | 4872            | R09 Type; A - Housing - High Density (> 1 House/0.5 acres); R16 Type; A - Septic Systems - High Density (> 1 system/acre)                                                                                                  | High Density Housing                             | High Prairie Villa                | Oakridge | Lane   | 2005                         | DEQ/OHA SWA 2000 - 2005 | R09-Housing - High Density - > 1 House/0.5 Acres; R16-Septic Systems - High Density - > 1/Acre                                                                     | M             |

| Database Identifier<br>(DB_ID)              | Site Identifier | Status                                                                                                                     | Common Name                     | Address                                            | City     | County | Retrieval Date<br>(RET_DATE) | Data Source             | DEQ PCS Type                                                                                                                  | Relative Risk |
|---------------------------------------------|-----------------|----------------------------------------------------------------------------------------------------------------------------|---------------------------------|----------------------------------------------------|----------|--------|------------------------------|-------------------------|-------------------------------------------------------------------------------------------------------------------------------|---------------|
| DWP - PCS - High-density housing            | 15384           | R09 Type; A - Housing - High Density (> 1 House/0.5 acres)                                                                 | High-density housing            | North of wells                                     | Oakridge | Lane   | 2005                         | DEQ/OHA SWA 2000 - 2005 | R09-Housing - High Density - > 1 House/0.5 Acres                                                                              | M             |
| DWP - PCS - Highway 58                      | 1348            | M18 Type; A - Transportation - Freeways/State Highways                                                                     | Highway 58                      | Runs north to south west of Casey's                | Westfir  | Lane   | 2005                         | DEQ/OHA SWA 2000 - 2005 | M18-Transportation Corridors - Freeways/Highways or other heavy use roads                                                     | H             |
| DWP - PCS - HOUSES SOUTH OF MHP             | 1328            | R09 Type; A - Housing - High Density (> 1 House/0.5 acres)                                                                 | HOUSES SOUTH OF MHP             | SOUTH OF MHP/EAST OF LOST CREEK RD                 | Dexter   | Lane   | 2005                         | DEQ/OHA SWA 2000 - 2005 | R09-Housing - High Density - > 1 House/0.5 Acres                                                                              | M             |
| DWP - PCS - HWY 58                          | 709             | M18 Type; A - Transportation - Freeways/State Highways                                                                     | HWY 58                          | RUNS NORTH/SOUTH ALONG NORTHEASTERN EDGE OF DECEPT | Westfir  | Lane   | 2005                         | DEQ/OHA SWA 2000 - 2005 | M18-Transportation Corridors - Freeways/Highways or other heavy use roads                                                     | H             |
| DWP - PCS - HWY 58                          | 1332            | M18 Type; A - Transportation - Freeways/State Highways; M20 Type; A - Transportation - Right-Of-Ways - Herbicide Use Areas | HWY 58                          | NORTHEAST OF DEXTER SHORES MHP                     | Dexter   | Lane   | 2005                         | DEQ/OHA SWA 2000 - 2005 | M18-Transportation Corridors - Freeways/Highways or other heavy use roads; M20-Transportation Corridors - Herbicide Use Areas | H             |
| DWP - PCS - HWY 58 CROSSING DECEPTION CREEK | 712             | M22 Type; P - Transportation - Stream Crossing - Perennial                                                                 | HWY 58 CROSSING DECEPTION CREEK | NORTHEAST OF DECEPTION CREEK MHP IN 2 YR TOT       | Westfir  | Lane   | 2005                         | DEQ/OHA SWA 2000 - 2005 | M22-Transportation Corridors - Stream Crossing - Perennial                                                                    | H             |
| DWP - PCS - Ironside Mine                   | 5282            | C64 Type; P - Mining Activities - Inactive - other than gravel;                                                            | Ironside Mine                   | Northeast of intake                                | Westfir  | Lane   | 2005                         | DEQ/OHA SWA 2000 - 2005 | C64-Mining Activities - Inactive - other than gravel                                                                          | M             |
| DWP - PCS - Irrigation well at Casey's      | 1352            | A53 Type; P - Wells - Agricultural/ Irrigation                                                                             | Irrigation well at Casey's      | South of Well #1 at southern edge of property      | Westfir  | Lane   | 2005                         | DEQ/OHA SWA 2000 - 2005 | A53-Agricultural Irrigation Wells                                                                                             | L             |
| DWP - PCS - Junk/scrap/ salvage             | 4874            | C14 Type; P - Junk/Scrap/Salvage Yards                                                                                     | Junk/scrap/ salvage             | Southeast of well                                  | Oakridge | Lane   | 2005                         | DEQ/OHA SWA 2000 - 2005 | C14-Junk/Scrap/Salvage Yards                                                                                                  | H             |
| DWP - PCS - LAKESIDE MOBILE HOME PARK       | 1334            | R09 Type; A - Housing - High Density (> 1 House/0.5 acres)                                                                 | LAKESIDE MOBILE HOME PARK       | WEST OF DEXTER SHORES MHP                          | Dexter   | Lane   | 2005                         | DEQ/OHA SWA 2000 - 2005 | R09-Housing - High Density - > 1 House/0.5 Acres                                                                              | M             |
| DWP - PCS - Lakeside Mobile Home Park       | 5166            | M53 Type; A - Wells - Production; R09 Type; A - Housing - High Density (> 1 House/0.5 acres)                               | Lakeside Mobile Home Park       | Southwest of Highway 58                            | Dexter   | Lane   | 2005                         | DEQ/OHA SWA 2000 - 2005 | M53-Wells - Production; R09-Housing - High Density - > 1 House/0.5 Acres                                                      | M             |

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|-------------------------------------------------|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|----------------------------|----------|--------|---------------------------|-------------------------|--------------------------------------------------------------------------------------------------------------------------------|---------------|
| DWP - PCS - Lane County-Dexter Shop             | 5176            | C61 Type; P - Maintenance Shop/Equipment Storage - Transportation Related - County Shop; M26 Type; P - UST - Confirmed Leaking but listed as NFA - DEQ LUST List | Lane County-Dexter Shop             | North of well 1            | Dexter   | Lane   | 2005                      | DEQ/OHA SWA 2000 - 2005 | C61-Maintenance Shop/Equipment Storage - Transportation Related; M26-UST - Confirmed Leaking but listed as NFA - DEQ LUST List | M             |
| DWP - PCS - LOST CREEK RD                       | 1336            | M56 Type; A - Transportation Corridors - High Use Roads/Streets                                                                                                  | LOST CREEK RD                       | WEST OF DEXTER SHORES MHP  | Dexter   | Lane   | 2005                      | DEQ/OHA SWA 2000 - 2005 | M56-Transportation Corridors - High Use Roads/Streets                                                                          | H             |
| DWP - PCS - LOWELL STP                          | 17919           | R20 Type; P - Wastewater Treatment Plants/Collection Stations                                                                                                    | LOWELL STP                          | 240 S MOSS STREET          | LOWELL   | Linn   | 2005                      | DEQ/OHA SWA 2000 - 2005 | R20-Wastewater Treatment Plants/Collection Stations                                                                            | H             |
| DWP - PCS - Managed Forest Lands-Status unknown | 15393           | A16 Type; A - Managed Forest Lands - Status Unknown                                                                                                              | Managed Forest Lands-Status unknown | Both sides of Salmon river | Oakridge | Lane   | 2005                      | DEQ/OHA SWA 2000 - 2005 | A16-Managed Forest Lands - Development Status Unknown                                                                          | H             |
| DWP - PCS - Managed Forestland-Clear Cut        | 5267            | A11 Type; A - Managed Forest Land - Clearcut Harvest (< 35 yrs.)                                                                                                 | Managed Forestland-Clear Cut        | Throughout DWPA            | Westfir  | Lane   | 2005                      | DEQ/OHA SWA 2000 - 2005 | A11-Managed Forest Lands - Clearcut Harvested < 35 yrs                                                                         | H             |
| DWP - PCS - Managed Forestland-Partial Cut      | 5268            | A12 Type; A - Managed Forest Land - Partial Harvest (< 10 yrs.)                                                                                                  | Managed Forestland-Partial Cut      | Throughout DWPA            | Westfir  | Lane   | 2005                      | DEQ/OHA SWA 2000 - 2005 | A12-Managed Forest Lands - Partial Harvested - <10 yrs                                                                         | H             |
| DWP - PCS - Managed Forestland-Road Density     | 5269            | A13 Type; A - Managed Forest Land - Road Density (> 2 mi./sq. mi.)                                                                                               | Managed Forestland-Road Density     | Throughout DWPA            | Westfir  | Lane   | 2005                      | DEQ/OHA SWA 2000 - 2005 | A13-Managed Forest Lands - Road Density - > 2 mi/sq mi                                                                         | H             |
| DWP - PCS - Mt View Mobile Home Park            | 5169            | M30 Type; A - Wells - Residential/ Municipal and Commercial/ Industrial; R09 Type; A - Housing - High Density (> 1 House/0.5 acres)                              | Mt View Mobile Home Park            | Southeast of well 2        | Dexter   | Lane   | 2005                      | DEQ/OHA SWA 2000 - 2005 | M30-Wells - Residential/Commercial /Industrial; R09-Housing - High Density - > 1 House/0.5 Acres                               | M             |
| DWP - PCS - Non-Irrigated Crop-Pasture          | 5180            | A05 Type; A - Crops - Nonirrigated (inc. Christmas trees, grains, grass seed, pasture)                                                                           | Non-Irrigated Crop-Pasture          | South of well 2            | Dexter   | Lane   | 2005                      | DEQ/OHA SWA 2000 - 2005 | A05-Crops - Nonirrigated - Christmas Trees, Grains, Grass Seeds, Hay, Pasture                                                  | L             |

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|--------------------------------------------|-----------------|------------------------------------------------------------------------------------------------------------|--------------------------------|-----------------------------------------------|----------|--------|---------------------------|-------------------------|-----------------------------------------------------------------------------------------|---------------|
| DWP - PCS - OAKRIDGE STP                   | 17920           | R20 Type; P - Wastewater Treatment Plants/Collection Stations                                              | OAKRIDGE STP                   | LADUKE ROAD                                   | OAKRIDGE | Linn   | 2005                      | DEQ/OHA SWA 2000 - 2005 | R20-Wastewater Treatment Plants/Collection Stations                                     | H             |
| DWP - PCS - Oakridge Industrial Park       | 15396           | C58 Type; P - Known Contamination Sites/Plumes/Spills (ECSI); M24 Type; P - UST - Decommissioned /Inactive | Oakridge Industrial Park       | Hwy. 58                                       | Oakridge | Lane   | 2005                      | DEQ/OHA SWA 2000 - 2005 | C58-Known Contamination Sites/Plumes/Spills (ECSI); M24-UST - Decommissioned - Inactive | H             |
| DWP - PCS - Oakridge RV Park               | 15389           | R03 Type; P - Campgrounds/RV Parks                                                                         | Oakridge RV Park               | Hwy. 58 and Salmon River                      | Oakridge | Lane   | 2005                      | DEQ/OHA SWA 2000 - 2005 | R03-Campgrounds/RV Parks                                                                | M             |
| DWP - PCS - Oakridge RV Park               | 15395           | R20 Type; P - Wastewater Treatment Plants/Collection Stations - RV Dump Station                            | Oakridge RV Park               | Hwy. 58 & Salmon River                        | Oakridge | Lane   | 2005                      | DEQ/OHA SWA 2000 - 2005 | R20-Wastewater Treatment Plants/Collection Stations                                     | H             |
| DWP - PCS - Pastures/ Hayfields            | 5279            | A05 Type; A - Crops - Nonirrigated (inc. Christmas trees, grains, grass seed, pasture)                     | Pastures/ Hayfields            | Northeast of intake on High Prairie           | Westfir  | Lane   | 2005                      | DEQ/OHA SWA 2000 - 2005 | A05-Crops - Nonirrigated - Christmas Trees, Grains, Grass Seeds, Hay, Pasture           | L             |
| DWP - PCS - Railroad                       | 15388           | M19 Type; A - Transportation - Railroads                                                                   | Railroad                       | North and East of wells                       | Oakridge | Lane   | 2005                      | DEQ/OHA SWA 2000 - 2005 | M19-Transportation Corridors - Railroads                                                | H             |
| DWP - PCS - Railroad line                  | 4532            | M19 Type; A - Transportation - Railroads                                                                   | Railroad line                  | Northeast of Well #2 - East side of the river | Westfir  | Lane   | 2005                      | DEQ/OHA SWA 2000 - 2005 | M19-Transportation Corridors - Railroads                                                | H             |
| DWP - PCS - Railroad Yard/Changing station | 15397           | R14 Type; P - Railroad Yards/Maintenance/Fueling Areas                                                     | Railroad Yard/Changing station | Railroad Ave. & Beech St.                     | Oakridge | Lane   | 2005                      | DEQ/OHA SWA 2000 - 2005 | R14-Railroad Yards/Maintenance/Fueling Areas                                            | H             |
| DWP - PCS - Recent Burn Areas              | 5270            | A15 Type; A - Recent Burn Areas (< 10 yrs.)                                                                | Recent Burn Areas              | Northeast of intake                           | Westfir  | Lane   | 2005                      | DEQ/OHA SWA 2000 - 2005 | A15-Recent Burn Areas - < 10 yrs                                                        | H             |
| DWP - PCS - River Recreation               | 5275            | M14 Type; A - River Recreation - Heavy Use (inc. campgrounds)                                              | River Recreation               | Throughout DWPA                               | Westfir  | Lane   | 2005                      | DEQ/OHA SWA 2000 - 2005 | M14-River Recreation - Heavy Use (inc. Campgrounds)                                     | M             |
| DWP - PCS - Rural Homestead on septic      | 4889            | M09 Type; A - Homesteads - Rural - Septic Systems (< 1/acre)                                               | Rural Homestead on septic      | South of well                                 | Westfir  | Lane   | 2005                      | DEQ/OHA SWA 2000 - 2005 | M09-Homesteads - Rural - Septic Systems < 1/Acre                                        | L             |

| Database Identifier (DB_ID)                     | Site Identifier | Status                                                                                                                                | Common Name                             | Address                                 | City     | County | Retrieval Date (RET_DATE) | Data Source             | DEQ PCS Type                                                                                      | Relative Risk |
|-------------------------------------------------|-----------------|---------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|-----------------------------------------|----------|--------|---------------------------|-------------------------|---------------------------------------------------------------------------------------------------|---------------|
| DWP - PCS - Rural Homesteads                    | 5173            | M09 Type; A - Homesteads - Rural - Septic Systems (< 1/acre); M30 Type; A - Wells - Residential/ Municipal and Commercial/ Industrial | Rural Homesteads                        | Throughout DWPA                         | Dexter   | Lane   | 2005                      | DEQ/OHA SWA 2000 - 2005 | M09-Homesteads - Rural - Septic Systems < 1/Acre; M30-Wells - Residential/Commercial/Industrial   | M             |
| DWP - PCS - Rural homesteads on septic systems  | 15392           | M09 Type; A - Homesteads - Rural - Septic Systems (< 1/acre)                                                                          | Rural homesteads on septic systems      | Surrounding and including fish hatchery | Oakridge | Lane   | 2005                      | DEQ/OHA SWA 2000 - 2005 | M09-Homesteads - Rural - Septic Systems < 1/Acre                                                  | L             |
| DWP - PCS - Rural Residential on Septic         | 4873            | M09 Type; A - Homesteads - Rural - Septic Systems (< 1/acre); M30 Type; A - Wells - Residential /Municipal and Commercial/ Industrial | Rural Residential on Septic             | Southeast of well                       | Oakridge | Lane   | 2005                      | DEQ/OHA SWA 2000 - 2005 | M09-Homesteads - Rural - Septic Systems < 1/Acre; M30-Wells - Residential/ Commercial/ Industrial | M             |
| DWP - PCS - Rural Residential on septic/wells   | 5278            | M09 Type; A - Homesteads - Rural - Septic Systems (< 1/acre); M30 Type; A - Wells - Residential/ Municipal and Commercial/ Industrial | Rural Residential on septic/wells       | Northeast of intake on High Prairie     | Westfir  | Lane   | 2005                      | DEQ/OHA SWA 2000 - 2005 | M09-Homesteads - Rural - Septic Systems < 1/Acre; M30-Wells - Residential/Commercial /Industrial  | M             |
| DWP - PCS - Salmon Creek Park                   | 15386           | R13 Type; P - Parks                                                                                                                   | Salmon Creek Park                       | Intersection of Hills St. & Beach St.   | Oakridge | Lane   | 2005                      | DEQ/OHA SWA 2000 - 2005 | R13-Parks                                                                                         | M             |
| DWP - PCS - SCATTERED HOUSES SOUTH SOUTHWEST OF | 1330            | M09 Type; A - Homesteads - Rural - Septic Systems (< 1/acre)                                                                          | SCATTERED HOUSES SOUTH SOUTHWEST OF MHP | SOUTH SOUTHWEST OF MHP                  | Dexter   | Lane   | 2005                      | DEQ/OHA SWA 2000 - 2005 | M09-Homesteads - Rural - Septic Systems < 1/Acre; M30-Wells -                                     | M             |
| DWP - PCS - Sewer Lines                         | 5167            | R17 Type; A - Sewer Lines - Close Proximity to PWS                                                                                    | Sewer Lines                             | Throughout DWPA                         | Dexter   | Lane   | 2005                      | DEQ/OHA SWA 2000 - 2005 | R17-Sewer Lines - Close Proximity to PWS                                                          | M             |
| DWP - PCS - Sewer Lines                         | 15385           | R17 Type; A - Sewer Lines - Close Proximity to PWS                                                                                    | Sewer Lines                             | North of wells                          | Oakridge | Lane   | 2005                      | DEQ/OHA SWA 2000 - 2005 | R17-Sewer Lines - Close Proximity to PWS                                                          | M             |
| DWP - PCS - State Highway 58                    | 5170            | M18 Type; A - Transportation - Freeways/State Highways                                                                                | State Highway 58                        | North/Northeast of well 1               | Dexter   | Lane   | 2005                      | DEQ/OHA SWA 2000 - 2005 | M18-Transportation Corridors - Freeways/Highways or other heavy use roads                         | H             |

| Database Identifier (DB_ID)                                       | Site Identifier | Status                                                                                                                                                                                           | Common Name                                           | Address                                            | City     | County | Retrieval Date (RET_DATE) | Data Source             | DEQ PCS Type                                                                                                                                  | Relative Risk |
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| DWP - PCS - SUBDIVISION SOUTHEAST OF MHP                          | 710             | M30 Type; P - Wells - Residential/Municipal and Commercial/Industrial; R09 Type; P - Housing - High Density (> 1 House/0.5 acres); R16 Type; P - Septic Systems - High Density (> 1 system/acre) | SUBDIVISION SOUTHEAST OF MHP                          | SOUTHEAST OF DECEPTION CREEK MHP/ADJACENT TO RIVER | Westfir  | Lane   | 2005                      | DEQ/OHA SWA 2000 - 2005 | M30-Wells - Residential/Commercial/Industrial; R09-Housing - High Density - > 1 House/0.5 Acres; R16-Septic Systems - High Density - > 1/Acre | M             |
| DWP - PCS - Transportation Corridor-Hwy 19                        | 5272            | M18 Type; A - Transportation - Freeways/State Highways                                                                                                                                           | Transportation Corridor-Hwy 19                        | Runs northeast/southwest through DWPA              | Westfir  | Lane   | 2005                      | DEQ/OHA SWA 2000 - 2005 | M18-Transportation Corridors - Freeways/Highways or other heavy use roads                                                                     | H             |
| DWP - PCS - Transportation Corridor-Railroad                      | 5273            | M19 Type; A - Transportation - Railroads                                                                                                                                                         | Transportation Corridor-Railroad                      | Runs west/east                                     | Westfir  | Lane   | 2005                      | DEQ/OHA SWA 2000 - 2005 | M19-Transportation Corridors - Railroads                                                                                                      | H             |
| DWP - PCS - Transportation Corridor-State Highway 58              | 4877            | M18 Type; A - Transportation - Freeways/State Highways                                                                                                                                           | Transportation Corridor-State Highway 58              | Runs north and south through 15 year TOT           | Westfir  | Lane   | 2005                      | DEQ/OHA SWA 2000 - 2005 | M18-Transportation Corridors - Freeways/Highways or other heavy use roads                                                                     | H             |
| DWP - PCS - Transportation Corridor-State Highway 58              | 4888            | M18 Type; A - Transportation - Freeways/State Highways                                                                                                                                           | Transportation Corridor-State Highway 58              | Runs north and south through DWPA                  | Oakridge | Lane   | 2005                      | DEQ/OHA SWA 2000 - 2005 | M18-Transportation Corridors - Freeways/Highways or other heavy use roads                                                                     | H             |
| DWP - PCS - Transportation Corridor-Stream Crossings              | 5274            | M22 Type; A - Transportation - Stream Crossing - Perennial                                                                                                                                       | Transportation Corridor-Stream Crossings              | Throughout DWPA                                    | Westfir  | Lane   | 2005                      | DEQ/OHA SWA 2000 - 2005 | M22-Transportation Corridors - Stream Crossing - Perennial                                                                                    | H             |
| DWP - PCS - US Forest Service Middle Fork/Oakridge Ranger Station | 1346            | C10 Type; P - Fleet/Trucking/Bus Terminals; M24 Type; P - UST - Decommissioned/Inactive; M27 Type; P - UST - Upgraded/Registered - Active                                                        | US Forest Service Middle Fork/Oakridge Ranger Station | 46375 Highway 58/Northwest of Casey's              | Westfir  | Lane   | 2005                      | DEQ/OHA SWA 2000 - 2005 | C10-Fleet/Trucking/Bus Terminals; M24-UST - Decommissioned - Inactive; M27-UST - Upgraded and/or Registered - Active                          | M             |
| DWP - PCS - USFS Flat Creek Ranger Dist.                          | 15394           | M24 Type; A - UST - Decommissioned/Inactive; M59 Type; A - Stormwater Wastewater Injection/Dry Wells, Sumps - Class V UICs                                                                       | USFS Flat Creek Ranger Dist.                          | Salmon Creek Rd.                                   | Oakridge | Lane   | 2005                      | DEQ/OHA SWA 2000 - 2005 | M24-UST - Decommissioned - Inactive; M59-Stormwater Wastewater Injection/Dry Wells, Sumps - Class V UICs                                      | M             |

| Database Identifier<br>(DB_ID)                       | Site Identifier | Status                                                                                                                                                                                                                                                                                                     | Common Name                              | Address               | City     | County | Retrieval Date<br>(RET_DATE) | Data Source             | DEQ PCS Type                                                                                                                                                                                                                               | Relative Risk |
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| DWP - PCS - USFS Middle Fork/Oakridge Ranger Station | 4887            | C10 Type; A - Fleet/Trucking/Bus Terminals; C19 Type; A - Office Buildings/Complexes; C20 Type; A - Parking Lots/Malls (> 50 Spaces); M27 Type; A - UST - Upgraded/ Registered - Active; M31 Type; A - Large Capacity Septic Systems (serves > 20 people) - Class V UICs; M53 Type; A - Wells - Production | USFS Middle Fork/Oakridge Ranger Station | Southwest of the well | Oakridge | Lane   | 2005                         | DEQ/OHA SWA 2000 - 2005 | C10-Fleet/Trucking/Bus Terminals; C19-Office Buildings/Complexes; C20-Parking Lots/Malls - > 50 Spaces; M27-UST - Upgraded and/or Registered - Active; M31-Large Capacity Septic Systems -Class V UIC (serves >20); M53-Wells - Production | H             |
| DWP - PCS - WESTFIR STP                              | 17922           | R20 Type; P - Wastewater Treatment Plants/Collection Stations                                                                                                                                                                                                                                              | WESTFIR STP                              | 47441 WESTOAK ROAD    | WESTFIR  | Linn   | 2005                         | DEQ/OHA SWA 2000 - 2005 | R20-Wastewater Treatment Plants/Collection Stations                                                                                                                                                                                        | H             |
| DWP - PCS - Westfir Drinking Water Treatment Plant   | 5271            | R05 Type; P - Drinking Water Treatment Plants                                                                                                                                                                                                                                                              | Westfir Drinking Water Treatment Plant   | East of intake        | Westfir  | Lane   | 2005                         | DEQ/OHA SWA 2000 - 2005 | R05-Drinking Water Treatment Plants                                                                                                                                                                                                        | M             |
| DWP - PCS - Westfir Road                             | 4530            | M56 Type; A - Transportation Corridors - High Use Roads/Streets                                                                                                                                                                                                                                            | Westfir Road                             | East side of river    | Westfir  | Lane   | 2005                         | DEQ/OHA SWA 2000 - 2005 | M56-Transportation Corridors - High Use Roads/Streets                                                                                                                                                                                      | H             |
| DWP - PCS - Westridge Community Water District       | 4531            | M31 Type; A - Large Capacity Septic Systems (serves > 20 people) - Class V UICs; M61 Type; A - Wells - Abandoned; R09 Type; A - Housing - High Density (> 1 House/0.5 acres)                                                                                                                               | Westridge Community Water District       | East of Highway 58    | Westfir  | Lane   | 2005                         | DEQ/OHA SWA 2000 - 2005 | M31-Large Capacity Septic Systems -Class V UIC (serves >20); M61-Wells - Abandoned; R09-Housing - High Density - > 1 House/0.5 Acres                                                                                                       | H             |

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|-------------------------------------------------------------------------|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|-------------------------|----------------|----------------|---------------------------|-----------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| DWP - PCS - Westridge Middle School                                     | 4883            | M01 Type; A - Above Ground Storage Tanks - Excluding Water and Residential ASTs; M26 Type; A - UST - Confirmed Leaking but listed as NFA - DEQ LUST List; M31 Type; A - Large Capacity Septic Systems (serves > 20 people) - Class V UICs; R15 Type; A - Schools | Westridge Middle School                 | Westridge Middle School | Westfir        | Lane           | 2005                      | DEQ/OHA SWA 2000 - 2005                                                                                         | M01-Above Ground Storage Tanks-Excluding Water Tanks and Residential ASTs; M26-UST - Confirmed Leaking but listed as NFA - DEQ LUST List; M31-Large Capacity Septic Systems -Class V UIC (serves >20); R15-Schools | M             |
| DWP - PCS - Willamette Fish Hatchery                                    | 15391           | A51 Type; P - Fish Hatchery/ Aquaculture                                                                                                                                                                                                                         | Willamette Fish Hatchery                | Fish Hatchery Rd.       | Oakridge       | Lane           | 2005                      | DEQ/OHA SWA 2000 - 2005                                                                                         | A51-Fish Hatchery/Aquaculture                                                                                                                                                                                      | H             |
| <b>Transportation Corridors, Stream Crossings &amp; Municipalities:</b> |                 |                                                                                                                                                                                                                                                                  |                                         |                         |                |                |                           |                                                                                                                 |                                                                                                                                                                                                                    |               |
| Highways - OR-58                                                        | 018             | Highway/Interstate                                                                                                                                                                                                                                               | WILLAMETTE                              | Not applicable          | Not applicable | Not Applicable | 2008                      | Integrated Transportation Information System (ITIS) database, Oregon Department of Transportation (ODOT - 2008) | M18-Transportation Corridors - Freeways/Highways or other heavy use roads                                                                                                                                          | H             |
| Railway - Union Pacific Railroad Company                                | 2311            | Railway                                                                                                                                                                                                                                                          | Union Pacific Railroad Company          | Unknown                 | Not applicable | Lane           | 03/14/2016                | US Geological Survey Railway GIS layer (via OR-IRIS) (USGS/RR - 2009)                                           | M19-Transportation Corridors - Railroads                                                                                                                                                                           | H             |
| Bridge - Bridge Creek, Hwy 18                                           | 03993 A         | Highway, major road, bridge, or stream crossing                                                                                                                                                                                                                  | Bridge Creek, Hwy 18                    | Not Applicable          | UNKNO WN       | Lane           | 2013                      | Oregon Dept. of Transportation, Technical Services Branch, Bridges Section (ODOT - 2013)                        | M22-Transportation Corridors - Stream Crossing - Perennial                                                                                                                                                         | H             |
| Bridge - Crale Creek, Hwy 18                                            | 01361C          | Highway, major road, bridge, or stream crossing                                                                                                                                                                                                                  | Crale Creek, Hwy 18                     | Not Applicable          | UNKNO WN       | Lane           | 2013                      | ODOT - 2013                                                                                                     | M22-Transportation Corridors - Stream Crossing - Perennial                                                                                                                                                         | H             |
| Bridge - Crestview St over UPRR                                         | 19020           | Highway, major road, bridge, or stream crossing                                                                                                                                                                                                                  | Crestview St over UPRR                  | Not Applicable          | OAKRIDGE       | Lane           | 2013                      | ODOT - 2013                                                                                                     | M22-Transportation Corridors - Stream Crossing - Perennial                                                                                                                                                         | H             |
| Bridge - Deception Creek, Hwy 18                                        | 03994 A         | Highway, major road, bridge, or stream crossing                                                                                                                                                                                                                  | Deception Creek, Hwy 18                 | Not Applicable          | UNKNO WN       | Lane           | 2013                      | ODOT - 2013                                                                                                     | M22-Transportation Corridors - Stream Crossing - Perennial                                                                                                                                                         | H             |
| Bridge - Dexter Lake Reservoir, Jasper Lowell Rd                        | 14725 A         | Highway, major road, bridge, or stream crossing                                                                                                                                                                                                                  | Dexter Lake Reservoir, Jasper Lowell Rd | Not Applicable          | UNKNO WN       | Lane           | 2013                      | ODOT - 2013                                                                                                     | M22-Transportation Corridors - Stream Crossing - Perennial                                                                                                                                                         | H             |
| Bridge - Dexter Lake, Jasper Lowell Rd                                  | 39C631          | Highway, major road, bridge, or stream crossing                                                                                                                                                                                                                  | Dexter Lake, Jasper Lowell Rd           | Not Applicable          | UNKNO WN       | Lane           | 2013                      | ODOT - 2013                                                                                                     | M22-Transportation Corridors - Stream Crossing - Perennial                                                                                                                                                         | H             |
| Bridge - Dexter Pond, Fishway Access Bridge                             | 21040           | Highway, major road, bridge, or stream crossing                                                                                                                                                                                                                  | Dexter Pond, Fishway Access Bridge      | Not Applicable          | UNKNO WN       | Lane           | 2013                      | ODOT - 2013                                                                                                     | M22-Transportation Corridors - Stream Crossing - Perennial                                                                                                                                                         | H             |
| Bridge - Duval Creek, Hwy 18                                            | 03992 A         | Highway, major road, bridge, or stream crossing                                                                                                                                                                                                                  | Duval Creek, Hwy 18                     | Not Applicable          | UNKNO WN       | Lane           | 2013                      | ODOT - 2013                                                                                                     | M22-Transportation Corridors - Stream Crossing - Perennial                                                                                                                                                         | H             |

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| Bridge - Goodman Creek, Hwy 18                              | 03988A          | Highway, major road, bridge, or stream crossing | Goodman Creek, Hwy 18                              | Not Applicable | UNKNO WN | Lane   | 2013                         | ODOT - 2013 | M22-Transportation Corridors - Stream Crossing - Perennial | H             |
| Bridge - Gray Creek, Laduke Rd                              | 39C623          | Highway, major road, bridge, or stream crossing | Gray Creek, Laduke Rd                              | Not Applicable | UNKNO WN | Lane   | 2013                         | ODOT - 2013 | M22-Transportation Corridors - Stream Crossing - Perennial | H             |
| Bridge - Harper Creek, Hwy 18                               | 0M302           | Highway, major road, bridge, or stream crossing | Harper Creek, Hwy 18                               | Not Applicable | UNKNO WN | Lane   | 2013                         | ODOT - 2013 | M22-Transportation Corridors - Stream Crossing - Perennial | H             |
| Bridge - Hazel Creek, Hwy 18                                | 01361A          | Highway, major road, bridge, or stream crossing | Hazel Creek, Hwy 18                                | Not Applicable | UNKNO WN | Lane   | 2013                         | ODOT - 2013 | M22-Transportation Corridors - Stream Crossing - Perennial | H             |
| Bridge - Hwy 18 over Private Logging Road                   | 20359           | Highway, major road, bridge, or stream crossing | Hwy 18 over Private Logging Road                   | Not Applicable | UNKNO WN | Lane   | 2013                         | ODOT - 2013 | M22-Transportation Corridors - Stream Crossing - Perennial | H             |
| Bridge - North & South Creek (Twin Creek), Hwy 18           | 0M303           | Highway, major road, bridge, or stream crossing | North & South Creek (Twin Creek), Hwy 18           | Not Applicable | UNKNO WN | Lane   | 2013                         | ODOT - 2013 | M22-Transportation Corridors - Stream Crossing - Perennial | H             |
| Bridge - North Fork Willamette River, Winfrey Rd            | 39C622          | Highway, major road, bridge, or stream crossing | North Fork Willamette River, Winfrey Rd            | Not Applicable | UNKNO WN | Lane   | 2013                         | ODOT - 2013 | M22-Transportation Corridors - Stream Crossing - Perennial | H             |
| Bridge - North Middle Fork Willamette River, County Rd 6129 | 39C650          | Highway, major road, bridge, or stream crossing | North Middle Fork Willamette River, County Rd 6129 | Not Applicable | WESTFIR  | Lane   | 2013                         | ODOT - 2013 | M22-Transportation Corridors - Stream Crossing - Perennial | H             |
| Bridge - Rolling Riffle Creek, Hwy 18                       | 03987           | Highway, major road, bridge, or stream crossing | Rolling Riffle Creek, Hwy 18                       | Not Applicable | UNKNO WN | Lane   | 2013                         | ODOT - 2013 | M22-Transportation Corridors - Stream Crossing - Perennial | H             |
| Bridge - Salmon Creek, Hwy 18                               | 02073C          | Highway, major road, bridge, or stream crossing | Salmon Creek, Hwy 18                               | Not Applicable | OAKRIDGE | Lane   | 2013                         | ODOT - 2013 | M22-Transportation Corridors - Stream Crossing - Perennial | H             |
| Bridge - Salmon Creek, Salmon Creek Rd                      | 39C626          | Highway, major road, bridge, or stream crossing | Salmon Creek, Salmon Creek Rd                      | Not Applicable | UNKNO WN | Lane   | 2013                         | ODOT - 2013 | M22-Transportation Corridors - Stream Crossing - Perennial | H             |
| Bridge - Salt Creek, Hwy 18 at MP 38.25                     | 01519A          | Highway, major road, bridge, or stream crossing | Salt Creek, Hwy 18 at MP 38.25                     | Not Applicable | UNKNO WN | Lane   | 2013                         | ODOT - 2013 | M22-Transportation Corridors - Stream Crossing - Perennial | H             |
| Bridge - Salt Creek, Kitson Springs Rd                      | 39C627          | Highway, major road, bridge, or stream crossing | Salt Creek, Kitson Springs Rd                      | Not Applicable | UNKNO WN | Lane   | 2013                         | ODOT - 2013 | M22-Transportation Corridors - Stream Crossing - Perennial | H             |
| Bridge - Schweitzer Creek, Hwy 18                           | 03991A          | Highway, major road, bridge, or stream crossing | Schweitzer Creek, Hwy 18                           | Not Applicable | UNKNO WN | Lane   | 2013                         | ODOT - 2013 | M22-Transportation Corridors - Stream Crossing - Perennial | H             |
| Bridge - UPRR Main Line over Hwy 18 at MP 14.45             | 07180           | Highway, major road, bridge, or stream crossing | UPRR Main Line over Hwy 18 at MP 14.45             | Not Applicable | UNKNO WN | Lane   | 2013                         | ODOT - 2013 | M22-Transportation Corridors - Stream Crossing - Perennial | H             |
| Bridge - West Fork Minnow Creek, Hwy 18                     | 03986           | Highway, major road, bridge, or stream crossing | West Fork Minnow Creek, Hwy 18                     | Not Applicable | UNKNO WN | Lane   | 2013                         | ODOT - 2013 | M22-Transportation Corridors - Stream Crossing - Perennial | H             |
| Bridge - Whitehead Creek, Hwy 18                            | 0M304           | Highway, major road, bridge, or stream crossing | Whitehead Creek, Hwy 18                            | Not Applicable | UNKNO WN | Lane   | 2013                         | ODOT - 2013 | M22-Transportation Corridors - Stream Crossing - Perennial | H             |

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| Bridge - Willamette River, Hwy 18 (Barnard)              | 07894           | Highway, major road, bridge, or stream crossing                                                                                                                                                                                   | Willamette River, Hwy 18 (Barnard)         | Not Applicable | UNKNO WN       | Lane           | 2013                         | ODOT - 2013                                                                             | M22-Transportation Corridors - Stream Crossing - Perennial | H             |
| Bridge - Willamette River, Hwy 18 Frtg Rd (Barnard)      | 01626           | Highway, major road, bridge, or stream crossing                                                                                                                                                                                   | Willamette River, Hwy 18 Frtg Rd (Barnard) | Not Applicable | UNKNO WN       | Lane           | 2013                         | ODOT - 2013                                                                             | M22-Transportation Corridors - Stream Crossing - Perennial | H             |
| <b>Water Quality Limited streams</b>                     |                 |                                                                                                                                                                                                                                   |                                            |                |                |                |                              |                                                                                         |                                                            |               |
| Water Quality Limited streams, DEQ-2012 - Buckhead Creek | 1225426437920   | Cat 4A: Water quality limited, TMDL approved - Temperature                                                                                                                                                                        | Buckhead Creek                             | Not applicable | Not applicable | Not applicable | 10/31/2014                   | OR Dept. of Environmental Quality Water Quality Assessment 2012 - (DEQ/WQ - 10/31/2014) | M54-Surface Water on 303d list                             | H             |
| Water Quality Limited streams, DEQ-2012 - Chalk Creek    | 1224020438700   | Cat 4A: Water quality limited, TMDL approved - Temperature                                                                                                                                                                        | Chalk Creek                                | Not applicable | Not applicable | Not applicable | 10/31/2014                   | DEQ/WQ - 10/31/2014                                                                     | M54-Surface Water on 303d list                             | H             |
| Water Quality Limited streams, DEQ-2012 - Christy Creek  | 1223856438800   | Cat 4A: Water quality limited, TMDL approved - Temperature                                                                                                                                                                        | Christy Creek                              | Not applicable | Not applicable | Not applicable | 10/31/2014                   | DEQ/WQ - 10/31/2014                                                                     | M54-Surface Water on 303d list                             | H             |
| Water Quality Limited lakes - Dexter Reservoir           | 1227872439130   | Cat 3: Insufficient data - Nutrients; Sedimentation; Temperature; Cat 5: Water quality limited, 303(d) list, TMDL needed - Aquatic Weeds Or Algae                                                                                 | Dexter Reservoir                           | Not applicable | Not applicable | Not applicable | 10/31/2014                   | DEQ/WQ - 10/31/2014                                                                     | M54-Surface Water on 303d List                             | H             |
| Water Quality Limited streams - Eighth Creek             | 1224014438330   | Cat 3: Insufficient data - Ammonia; Chloride; Dissolved Oxygen; pH; Phosphate Phosphorus; Cat 3B: Insufficient data, potential concern - Alkalinity; Cat 5: Water quality limited, 303(d) list, TMDL needed - Biological Criteria | Eighth Creek                               | Not applicable | Not applicable | Not applicable | 10/31/2014                   | DEQ/WQ - 10/31/2014                                                                     | M54-Surface Water on 303d list                             | H             |
| Water Quality Limited streams - Goodman Creek            | 1226629438580   | Cat 3: Insufficient data - Dissolved Oxygen                                                                                                                                                                                       | Goodman Creek                              | Not applicable | Not applicable | Not applicable | 10/31/2014                   | DEQ/WQ - 10/31/2014                                                                     | M54-Surface Water on 303d list                             | H             |

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|--------------------------------------------------------------|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|----------------|----------------|----------------|---------------------------------|---------------------|--------------------------------|------------------|
| Water Quality Limited streams - Goodman Creek Trib           | 122678<br>743833<br>0 | Cat 3: Insufficient data - Alkalinity; Ammonia; Chloride; Dissolved Oxygen; pH; Phosphate Phosphorus; Cat 3B: Insufficient data, potential concern - Biological Criteria; Cat 4A: Water quality limited, TMDL approved - Temperature | Goodman Creek Trib           | Not applicable | Not applicable | Not applicable | 10/31/2014                      | DEQ/WQ - 10/31/2014 | M54-Surface Water on 303d list | H                |
| Water Quality Limited streams - Hills Creek                  | 122420<br>643707<br>0 | Cat 3: Insufficient data - Sedimentation; Cat 4A: Water quality limited, TMDL approved - Temperature                                                                                                                                 | Hills Creek                  | Not applicable | Not applicable | Not applicable | 10/31/2014                      | DEQ/WQ - 10/31/2014 | M54-Surface Water on 303d list | H                |
| Water Quality Limited lakes - Hills Creek Lake               | 122428<br>543665<br>0 | Cat 3: Insufficient data - Sedimentation; Cat 5: Water quality limited, 303(d) list, TMDL needed - Aquatic Weeds Or Algae                                                                                                            | Hills Creek Lake             | Not applicable | Not applicable | Not applicable | 10/31/2014                      | DEQ/WQ - 10/31/2014 | M54-Surface Water on 303d list | H                |
| Water Quality Limited lakes - Lookout Point Lake             | 122680<br>543872<br>0 | Cat 3: Insufficient data - Nutrients; Sedimentation; Temperature; Cat 5: Water quality limited, 303(d) list, TMDL needed - Aquatic Weeds Or Algae                                                                                    | Lookout Point Lake           | Not applicable | Not applicable | Not applicable | 10/31/2014                      | DEQ/WQ - 10/31/2014 | M54-Surface Water on 303d list | H                |
| Water Quality Limited streams, DEQ-2012 - McKinley Creek     | 122411<br>443864<br>0 | Cat 4A: Water quality limited, TMDL approved - Temperature                                                                                                                                                                           | McKinley Creek               | Not applicable | Not applicable | Not applicable | 10/31/2014                      | DEQ/WQ - 10/31/2014 | M54-Surface Water on 303d list | H                |
| Water Quality Limited streams - Middle Fork Willamette River | 0                     | Cat 3: Insufficient data - Nutrients; Sedimentation; Temperature; Cat 5: Water quality limited, 303(d) list, TMDL needed - Aquatic Weeds Or Algae                                                                                    | Middle Fork Willamette River | Not applicable | Not applicable | Not applicable | 10/31/2014                      | DEQ/WQ - 10/31/2014 | M54-Surface Water on 303d list | H                |

| Database Identifier<br>(DB_ID)                                     | Site<br>Identifier    | Status                                                                                                                                                                                                                                                                                  | Common Name                     | Address        | City                  | County            | Retrieval<br>Date<br>(RET_DATE) | Data Source         | DEQ PCS Type                      | Relative<br>Risk |
|--------------------------------------------------------------------|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|----------------|-----------------------|-------------------|---------------------------------|---------------------|-----------------------------------|------------------|
| Water Quality Limited<br>streams - Middle Fork<br>Willamette River | 123014<br>444023<br>0 | Cat 3: Insufficient<br>data - Chloride;<br>Chlorophyll a; Flow<br>Modification;<br>Mercury; pH;<br>Sedimentation; Cat<br>3B: Insufficient data,<br>potential concern -<br>Alkalinity; Biological<br>Criteria; Cat 5: Water<br>quality limited, 303(d)<br>list, TMDL needed -<br>Mercury | Middle Fork Willamette<br>River | Not applicable | Not<br>applicab<br>le | Not<br>applicable | 10/31/2014                      | DEQ/WQ - 10/31/2014 | M54-Surface Water on<br>303d list | H                |
| Water Quality Limited<br>streams - N Fk Middle<br>Fk Willamette R  | 122525<br>343759<br>0 | Cat 3: Insufficient<br>data - Alkalinity;<br>Ammonia; Chloride;<br>Dissolved Oxygen; pH;<br>Phosphate<br>Phosphorus;<br>Sedimentation; Cat<br>4A: Water quality<br>limited, TMDL<br>approved -                                                                                          | N Fk Middle Fk<br>Willamette R  | Not applicable | Not<br>applicab<br>le | Not<br>applicable | 10/31/2014                      | DEQ/WQ - 10/31/2014 | M54-Surface Water on<br>303d list | H                |
| Water Quality Limited<br>streams - Packard<br>Creek                | 122427<br>143667<br>0 | Cat 3: Insufficient<br>data - Alkalinity;<br>Ammonia; Chloride;<br>Dissolved Oxygen; pH;<br>Phosphate<br>Phosphorus;<br>Sedimentation; Cat<br>4A: Water quality<br>limited, TMDL<br>approved -                                                                                          | Packard Creek                   | Not applicable | Not<br>applicab<br>le | Not<br>applicable | 10/31/2014                      | DEQ/WQ - 10/31/2014 | M54-Surface Water on<br>303d list | H                |
| Water Quality Limited<br>streams - Salmon Creek                    | 122462<br>743739<br>0 | Cat 3: Insufficient<br>data - Sedimentation                                                                                                                                                                                                                                             | Salmon Creek                    | Not applicable | Not<br>applicab<br>le | Not<br>applicable | 10/31/2014                      | DEQ/WQ - 10/31/2014 | M54-Surface Water on<br>303d list | H                |
| Water Quality Limited<br>streams - Salmon<br>CreekTrib             | 122382<br>843759<br>0 | Cat 3: Insufficient<br>data - Alkalinity;<br>Ammonia; Chloride;<br>pH                                                                                                                                                                                                                   | Salmon CreekTrib                | Not applicable | Not<br>applicab<br>le | Not<br>applicable | 10/31/2014                      | DEQ/WQ - 10/31/2014 | M54-Surface Water on<br>303d list | H                |

| Database Identifier<br>(DB_ID)                         | Site<br>Identifier    | Status                                                                                                                                                                                                                                                                               | Common Name      | Address        | City                  | County            | Retrieval<br>Date<br>(RET_DATE) | Data Source         | DEQ PCS Type                      | Relative<br>Risk |
|--------------------------------------------------------|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|----------------|-----------------------|-------------------|---------------------------------|---------------------|-----------------------------------|------------------|
| Water Quality Limited<br>streams - Salt Creek          | 122439<br>243726<br>0 | Cat 3: Insufficient<br>data - Sedimentation;<br>Cat 3B: Insufficient<br>data, potential<br>concern - Biological<br>Criteria; Cat 4A:<br>Water quality limited,<br>TMDL approved -<br>Temperature; Cat 5:<br>Water quality limited,<br>303(d) list, TMDL<br>needed -<br>Sedimentation | Salt Creek       | Not applicable | Not<br>applicab<br>le | Not<br>applicable | 10/31/2014                      | DEQ/WQ - 10/31/2014 | M54-Surface Water on<br>303d list | H                |
| Water Quality Limited<br>streams - Shortridge<br>Creek | 122486<br>543741<br>0 | Cat 3: Insufficient<br>data - Alkalinity;<br>Ammonia; Chloride;<br>Dissolved Oxygen; pH;<br>Phosphate<br>Phosphorus; Cat 4A:<br>Water quality limited,<br>TMDL approved -<br>Temperature                                                                                             | Shortridge Creek | Not applicable | Not<br>applicab<br>le | Not<br>applicable | 10/31/2014                      | DEQ/WQ - 10/31/2014 | M54-Surface Water on<br>303d list | H                |
| Water Quality Limited<br>streams - Unnamed<br>Stream   | 122382<br>843759<br>0 | Cat 3: Insufficient<br>data - Dissolved<br>Oxygen                                                                                                                                                                                                                                    | Unnamed Stream   | Not applicable | Not<br>applicab<br>le | Not<br>applicable | 10/31/2014                      | DEQ/WQ - 10/31/2014 | M54-Surface Water on<br>303d list | H                |
| Water Quality Limited<br>streams - Unnamed<br>Stream   | 122463<br>043689<br>0 | Cat 3B: Insufficient<br>data, potential<br>concern - Biological<br>Criteria                                                                                                                                                                                                          | Unnamed Stream   | Not applicable | Not<br>applicab<br>le | Not<br>applicable | 10/31/2014                      | DEQ/WQ - 10/31/2014 | M54-Surface Water on<br>303d list | H                |
| Water Quality Limited<br>streams - Wall Creek          | 122312<br>643795<br>0 | Cat 3: Insufficient<br>data - Alkalinity;<br>Ammonia; Chloride;<br>Dissolved Oxygen; pH;<br>Phosphate<br>Phosphorus; Cat 4A:<br>Water quality limited,<br>TMDL approved -<br>Temperature                                                                                             | Wall Creek       | Not applicable | Not<br>applicab<br>le | Not<br>applicable | 10/31/2014                      | DEQ/WQ - 10/31/2014 | M54-Surface Water on<br>303d list | H                |