

ODEQ TMDL AND NPS PROGRAMS

Water Quality Status and Trends Tool *Mid Coast Example*

March 1, 2018
Newport, Oregon

Water Quality Data

- Where can I find the data I need?
- What does that data say?
- How do I know what the water quality status and trends are?
- Are existing programs effective?
- Are WQ standards being met?

Data Sources

USGS Water-Quality Data for the Nation

Current
Conditions

(2,024 sites)

Current conditions at selected sites are provided by automatic monitoring equipment. Measurements are transmitted to the USGS every 15 minutes (or more frequently if published) and/or more frequently if requested. Most current data are provisional.

Historical
Observations

The same data accessed by the current conditions page are also available for discontinued sites with data for historical periods. Data may include "Approved" (quality assured) and "Provisional" data (of unverified quality).

Daily Data

Summary of all data for each day, including the median, maximum, minimum, and quality assured data that may be published. [Example](#) and subject to revision).

Statistics

NWIS: USGS Water Quality Data
(Continuous temperature, dissolved oxygen, and pH)

Daily

Monthly

Annual

Data Sources

USGS Water-Qua

Current Conditions

Current conditions at selected sites are available from real-time monitoring equipment. Measurements are continuously transmitted to the USGS every hour (or more frequently if available) and/or more recently (if available). Most current data are provisional.

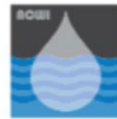
Historical Observations

The data displayed on this page may be provisional.

Daily Summary

Summary of daily data for the selected site.

Station Information



National Water Quality Monitoring Council

Working together for clean water

Water Quality Portal

The Water Quality Portal (WQP) is a cooperative service sponsored by the United States Geological Survey (USGS), the Environmental Protection Agency (EPA), and the National Water Quality Monitoring Council (NWQMC). It serves data collected by over 400 state, federal, tribal,

Water Quality Portal

- Accesses data stored in STORET under common WQX format
- Includes USGS, EPA, NWQMC, state, federal, tribal, and local agencies

HOW TO USE THE WQP

Guide
Services Guide

and Data

NATIONAL RESULTS COVERAGE

Quality data in your state.

ABOUT THE WQP

What is the WQP?
Contributing organizations
Water Quality Portals
are WQP Sites

Contact us



Data Sources

Oregon Water Quality Monitoring Data Portal

Public Data Access

Graphs Reports Maps Exports

Box and Whiskers Plot

Statistics

medium, maximum, minimum, assured data that may be public and subject to revision). [Exampl](#)

400
300
200
100
0
Jan

132
105.6

Oregon DEQ

- Queries LASAR and Element (DEQ databases)



ABOUT THE WQP

What is the WQP?
Contributing organizations
Other Water Quality Portals
Explore WQP Sites

Contact us



Data Aggregated

- How much data is there in area of interest?
- What does the data tell you?
- How many monitoring stations have sufficient data to assess wq status and trends?
 - *Are trends getting better? Worse?*
 - *What is the status of water quality?*

WQ Status and Trends Tool

- Through aggregating data and assessing against Oregon water quality standards:
 - *Defines whether additional information is needed*
 - *Informs management decisions*

Let's Explore

How is the Tool Currently Used?

- Water Quality Status and Trend reports to support the Biennial Review of the AgArea Rules and Plans
 - [PDF reports](#)
 - *Interactive reports*

Limitations

- Volunteer monitoring data and others?
- Not available to the public
- Aggregating a lot of data- long reports, difficult to digest information

Thank you!

- Questions?

Contact:

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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.