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

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

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

Oregon DEQ

- Queries LASAR and Element (DEQ databases)
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 water quality 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?

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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.