### Open Water Data Initiative (OWDI) Roadmap

#### Open Water Web

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Subcommittee on Spatial Water Data
OWDI Use Cases

Use Case 1:
National Flood Interoperability Experiment
Completed

Use Case 2:
Drought Decision Support System

Use Case 3:
Spill Response Tool
Drought Use Case Work Group

Public release of USBR data portal: Reclamation Water Information System (RWIS)
  - Access to current and historical USBR water data
  - Machine readable data downloads
  - Web services and API
  - https://water.usbr.gov/

Reassignment of Angela Adams
  - Need USBR participation on SSWD
  - Need someone to lead Drought work group
Network Linked Data Index—Update

NLDI status

- Available data sources:
  - NHDPlus ComID
  - HUC12 pourpoints
  - NWIS sites
  - WQP sites
- In testing data sources
  - NJ sensor network
  - NPDES
- Basin delineation
- Basin characteristics – in testing
- ArcGIS wrapper for NLDI services – in testing
Water Quality Data Discovery

Using the Hydro-Network Linked Data Index

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, and local agencies.

DOWNLOAD DATA
Download water-quality data in Excel, CSV, TSV, and KML formats.

HOW TO USE THE WQP
User Guide
Web Services Guide
FAQs
Upload Data

NATIONAL RESULTS COVERAGE
Water-quality data in your state.

ABOUT THE WQP
What is the WQP?
Contributing organizations
Other Water Quality Portals
Explore WQP Sites
Water Quality Data Discovery

Using the Hydro-Network Linked Data Index
Water Quality Data Discovery

Using the Hydro-Network Linked Data Index

SAMPLING PARAMETERS

- Sample Media: Biological
- Characteristic Group: All
- Characteristics:
- Project ID:
- Parameter Code: (NWIS ONLY)
- Minimum results per site:
- Date range

Select data to download:
- Site data only
- Sample results (physical/chemical metadata)
- Sample results (biological metadata)
- Sampling Activity
- Sampling Activity Metrics

Download Status:
Your query will return 3,296 sample results from 7 sites:
- From BIODATA: 3,175 sample results from 5 sites
- From NWIS: 0 sample results from 0 sites
- From STEWARDS: 0 sample results from 0 sites
- From STORET: 121 sample results from 2 sites

Click Continue to download the data
NLDI NWIS Site

https://cida.usgs.gov/nldi/nwissite/USGS-02465000
Public release of Beta products planned for this week

- 7 regions (> 25% of CONUS)
- Built using:
  - NHD-HR data at 1:24,000 scale or better
  - 10-meter 3DEP elevation
  - WBD
- Additional data will be released as completed by region
- Beginning Beta QC effort
  - Community participation is critical
  - New web-based Markup Tool will be used
Possible New Use Cases

Inland bathymetric data
- Strong interest from many parties in last call
- Short term – inventory existing bathy data, link to NHD
- Longer term
  - Data model and standards development
  - Strategy to acquire widespread bathy data

Aquatic Ecology
- Discussions in SSWD meetings
- Opportunity to engage another sector of users
- Exploratory working group forming
  - Membership recruiting
  - Initial scoping
Challenge:

Per DOI instructions:

Pause on all Advisory Committee activity till September 1
For more information

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