

RWIS/RISE August 2018

Sharing data from across Reclamation in consistent, open formats through an enhanced and expanded data portal to support internal and external users

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Reclamation Water Information System

The RWIS pilot system is available at <https://water.usbr.gov>. Please use RWIS and send your comments and feedback to rwis@usbr.gov.



Project Highlights

Development of RISE website components is underway. Use cases and screen mock-ups for each component are being prepared to guide developers.

Creation of the catalog schema is complete and a test database has been created. This schema will store basic information about each dataset in RISE to allow users to find information. The catalog schema will be supplemented with schemas for each data type to be published in RISE (time series, geospatial, and binary data), as well as by extensive metadata stored in XML files.

Domain teams have completed or are nearly finished with data inventory and standardization, and will soon be ready to begin the process of connecting data sources to RISE. Steps involved in adding datasets include screening datasets for security and privacy risks, formatting source data for ingestion into RISE, and configuring RISE to accept data files.

Subteam Updates

Water Domain: Identified multiple issues resulting in missing RWIS data. Working with developers to fill in missing data and fix daily update processes.

Hydropower Domain: Ready to begin hydropower data acquisition process.

Environmental Domain: Water Quality: Completed parameter crosswalks and site catalog. Discussions underway about standard units that RISE will report and how to handle unit conversions.

Environmental Domain: Biological: Inventoried 7 small mammal datasets and determined that publication as separate files is appropriate, as each is a standalone, static dataset.

Infrastructure/Assets Domain: Discussed hierarchy with the Federal Assets Management team.

IT Infrastructure and Data Acquisition and Storage: Developed dashboard to analyze data use.

Metadata: Completed the time-series and catalog schemas for core dataset information and developed test databases from the schemas. Decided that additional metadata will be stored as files rather than as database tables for first RISE release.

Web Portal: Catalog page for search/discovery of data and associated web interface is under development. Use cases and mockups for Contact Us and Help pages are nearly complete and Data Administration Interface is in progress..

Security: Waiting on identification of ISSO to move forward on security documentation..

Open Reclamation Forum: Documenting lessons learned from test forum.

Sustainability: Working on a governance process for hosting custom visualizations in RISE.

Communication: Developed tool to consider potential uses and user types for RISE that will be used to help with design decisions and publicity.