

RWIS/RISE April 2018 Update

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

RISE/RWIS Team Contact: rwis@usbr.gov

Project Leads: Jim Nagode, jbnagode@usbr.gov
Allison Danner, adanner@usbr.gov

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

RWIS Release 2.1.0 was released on March 14, 2018. This release featured keywords to improve the ability of search engines to find the site, a 508-compliant CAPTCHA (a tool for confirming that form submissions are from human users), a fix to three site location coordinates, a link to the RWIS home page in the site breadcrumbs, and standardized favicons that appear in browser tabs.

Data domain communities are continuing work on data standardization and schemas and providing guidance to the web portal team for the data catalog.

The RISE screening process is almost complete. Data stewards and owners will use this process to review datasets for privacy, confidentiality, security, or other restrictions to release.

I really believe that [the RISE team's] efforts are going to produce great benefits to Reclamation in the long run, leading to useful, modern data publishing systems that Reclamation programs can leverage to support their information dissemination needs.

—Levi Brekke, Chief, Reclamation R&D Office

Subteam Updates

Water Domain: Completed an inventory of water-related datasets for potential incorporation in RISE. Currently reviewing the inventory and determining necessary changes to the water domain schema to accommodate new data types.

Hydropower Domain: Compiling site and parameter information for hydropower data stored in water operations databases. Reached out to the Power Operations and Maintenance Tracking System database manager to incorporate this into RISE.

Environmental Domain: Finalizing the Water Quality data standard based on WQX and working on standardization across water quality databases. Exploring how to incorporate mussels data into RISE.

IT Infrastructure and Data Acquisition and Storage: Working on automated deployment for dev and test databases and on permissions for the internal API. Implementing a development server in addition to test and production. Have nearly completed a boundary diagram and technical description.

Metadata: Making progress on the RISE master metadata tables and database structure, including consideration of ISO standards. For data domains, adapting standard schemas wherever possible, including WQX and the Avian Knowledge Network schema.

Web Portal: Finalized the RISE home page mockup and working on catalog and map page mockups. Catalog page will allow for user to search the catalog by keywords, access to binary files, and the ability to download information without going into the query page.

Screening: Reviewing and revising draft screening process.

Security: Completed review of critical security controls for RISE. Working on RISE security documentation. Working on a decommissioning plan for RWIS to transition from RWIS to RISE.

Sustainability: Drafted Service Level Agreement (SLA) for Denver IRO operations and a prototype agreement between data owners and RISE for data inclusion and maintenance

Communication: Drafted requirements document for the RISE Help System.