

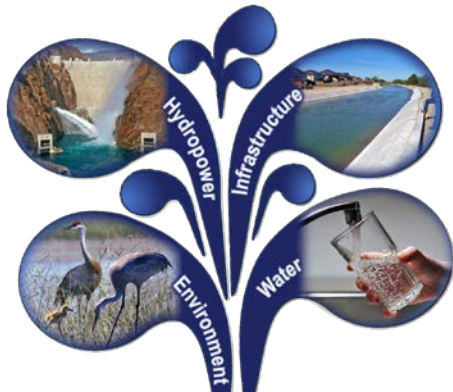
RWIS/RISE December 2018 Update

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 - Pilot

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



RISE Project Highlights

System development continues to be the primary focus of the RISE team. The developers and Planning Team held a work session on December 6, which focused on resolving questions about the RISE database schema and catalog user interface. The RISE catalog will organize datasets as catalog “records” which will contain one or more “items.” An item will be a single time series, geospatial dataset, or other data file. See example record with time series items and metadata below.

▼Big Lake Daily Water Operations Monitoring Time Series Data (4 items)

Daily reservoir operations data from the Big Lake gaging station

Metadata	Big Lake Daily Water Operations Monitoring Time Series Metadata
Time series	Big Lake Daily Reservoir Elevation Time Series Data
Time series	Big Lake Daily Reservoir Storage Time Series Data
Time series	Big Lake Daily Reservoir Release Time Series Data

RISE Team Updates

Data Domains: Water Quality domain is piloting the data acquisition process with a database from Mid-Pacific Region. Other data domains are waiting on readiness of the data acquisition process.

Metadata and Database Development: Catalog and time series schemas are complete, but minor changes continue as the schemas are tested during development of web portal components and data acquisition processes. Team is working on developing managed vocabularies for schema elements.

Data Acquisition: Developers are testing a JSON file format and data ingestion script for time series data transfer from source databases into the RISE database. Planning Team is continuing coordination with data stewards on the RISE data acquisition process.

Web Portal Development: Developers are revising the catalog API and user interface with the latest changes to the RISE database schema, working on developing help pages and continuing work on back-end deployment processes. Planning Team is preparing use cases and mock-ups for the query interface and data administration interface.

Security: The RISE Information System Security Officer (ISSO) is supporting the planning team in preparation of security documentation, including the Business Impacts Assessment, documents related to the use of Login.gov for user authentication, and security control implementation statements.

Sustainability: Work on the RISE sustainability report continues, along with work on the governance process for hosting custom visualizations in RISE.

Communication: Science and Technology project report for RWIS is being finalized. Continuing to monitor Google Analytics for RWIS usage.