

RWIS/RISE June 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

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

RISE web portal development activities are focused on writing use cases and creating mock-ups to prepare for application development.

The major focus of RISE team has been schemas for the catalog and time series databases. The catalog schema contains metadata elements applicable to all data published through RISE, and will support system functionality and data discovery. The time series schema will support query tool functionality for time series data, similar to current RWIS functionality.

Data acquisition and storage and IT infrastructure teams have been collaborating on plans for web services and data acquisition tools. An internal API and data steward interface is planned for ingesting data from source databases. External API endpoints will provide data access to system users.

Subteam Updates

Water Domain: Revised the RWIS data disclaimer language. Adding new data connections from Area Offices including Yuma, Eastern Colorado, and Lahontan.

Hydropower Domain: Participating in discussions about RISE schemas and metadata.

Environmental Domain, Water Quality: Developing site catalog and parameter crosswalks.

Environmental Domain, Biological: Standardizing flycatcher data between the Phoenix Area Office, Multi-Species Conservation Program, and Albuquerque Area Office. Inventorying small mammal datasets.

Infrastructure/Assets Domain: Supporting work on RISE catalog schema.

IT Infrastructure and Data Acquisition and Storage: Infrastructure components are ready to be deployed to development server.

Metadata: Addressing comments and revisions for the catalog schema and time series schema. Developing managed vocabularies, lookup tables.

Web Portal: Drafted use cases and mock-ups for the Help page, Catalog, and Data Administration user interface.

Screening: Proposed process is being revised to integrate into overall RISE data processes.

Security: Revising configuration management plan, contingency plan, SDLC, and technical description. FISMA Team determined that RWIS POAMs can be left as-is and then closed out when the transition to RISE occurs

Open Reclamation Forum: Developing lessons learned.

Sustainability: Completed draft SLA between RISE and IRO.

Communication: Drafted April Analytics Summary, and working on May Analytics Summary. Conclusions are that many users (40 - 60%) leave at the map. Team is exploring possible explanations, including usability and analytics collection methods.