

RECLAMATION

Managing Water in the West

RWIS/RISE July 2018 Update

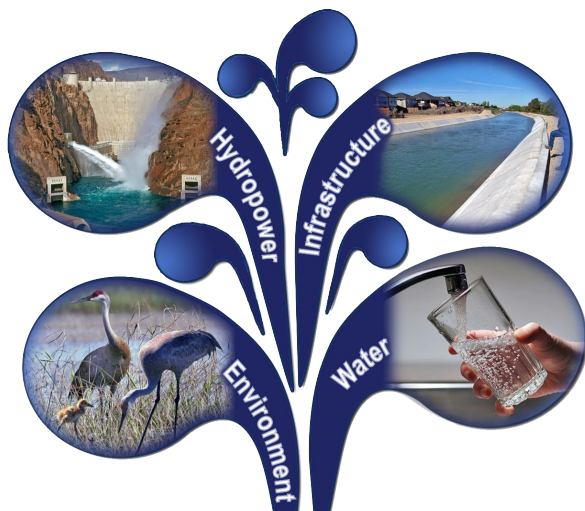
Sharing data from across Reclamation in consistent, open formats through an enhanced and expanded data portal to support internal and external users

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Reclamation Water Information System

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

The RISE Team is working on consolidating and storing data identified through the domain teams' dataset inventory efforts.

In parallel, the RISE Team is also working on how data will be discovered and served based on use cases identified.

RISE Data Visualization - In addition to hosting and serving data, RISE will also include resources for hosting custom or semi-custom visualizations of data available through RISE. This is intended to facilitate deployment of public and internal visualizations of Reclamation data. Currently the RISE Team is working on plans for governance and sustainability of this aspect of the RISE system.

Subteam Updates

Water Domain: Working to design time series data schema functionality for accommodating ensemble model output.

Hydropower Domain: RISE time series schema in development will include functionality to accommodate hydropower data.

Environmental Domain: Water Quality: A crosswalk of analytes, sites, and units is in progress.

Environmental Domain: River Restoration: Developed data standard for flycatcher data. Created an inventory list for small mammals data.

Infrastructure/Assets Domain: Working on asset hierarchy, including the levels of granularity for asset types to organize and assemble data.

IT Infrastructure and Data Acquisition and Storage: Focusing on internal data acquisition and file/data storage before beginning work on the external API.

Metadata: Determining what XML standards are appropriate for RISE to support, as well as tools to assist with metadata file generation.

Web Portal: Working on website use cases and mock-ups. The catalog mock-up and use case is complete, development of the data administration interface is underway, and work on the query page will begin soon.

Screening: A draft screening process is complete. It will be reviewed and refined for incorporation into RISE data entry and administration processes when appropriate.

Security: Planning team is reviewing security documentation.

Sustainability: Working on the policy and process for using visualization tools for RISE data (e.g., interactive plots, maps, teacup diagrams).

Communication: Draft help screen mock-up is under RISE review. Working on Google analytics.