Creating Tools with Reclamation Water Information System (RWIS) Data

http://water.usbr.gov

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RWIS | Site Location Map — RECLAMATION Managing Water in the West

Our Vision:

The RWIS project aims to build a Reclamation-wide system to publicly share Reclamation's water data in open formats on the web.
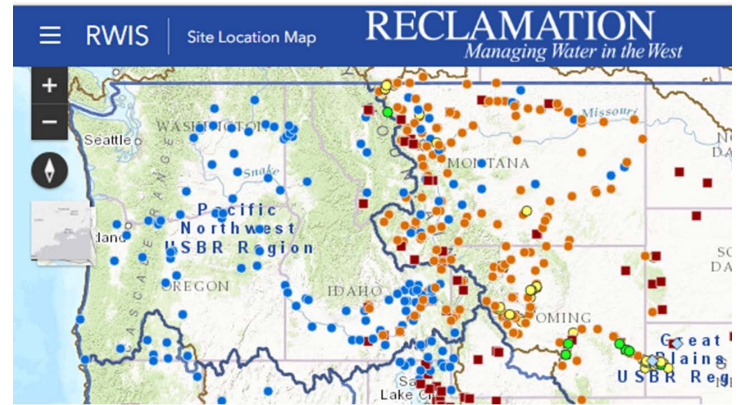
What does RWIS Do?

RWIS serves current and historical data from each of Reclamation's five regions. A map lets you get information by location, a query tool lets you select the sites and parameters that you are interested in, and a web service/API can automatically transfer data to your own tools, apps, and models. The pilot project started in Spring 2016 and 2017. Further development and transition from the pilot to a full-featured system is anticipated to continue in 2017-2018.

RWIS makes it easy to port Reclamation data to your software — Data Visualization — Models for analysis and planning — Apps for ale systems, operations

How can I use RWIS to develop data visualization and analysis tools?

With RWIS, you can automatically pull data into apps, models, tools, etc. The web service/API URL allows an automated exchange of data in standardized, machine-readable formats.

The system allows queries for multiple parameters and sites. It provides historic and real-time data in JSON, CSV, HTML, and interactive plots.
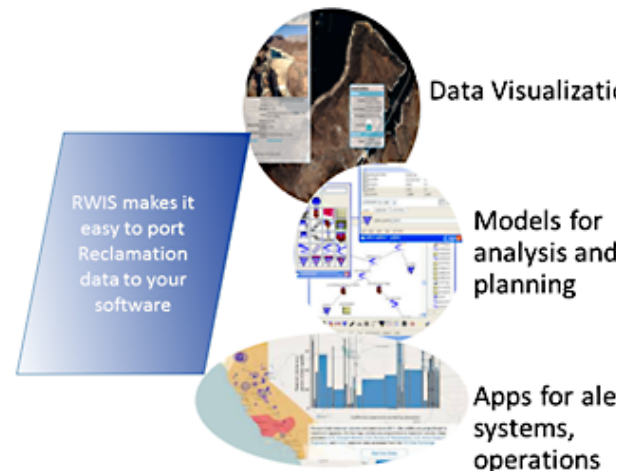
Use RWIS data to create tools such as:

- An app that provides users with daily data updates from sites they are interested in.
- A visualization of reservoir storage conditions for a news story about drought in the West.
- An alert system for notifying emergency responders when river flow or stage exceeds flood levels.
- An interactive map combining Reclamation data with other Federal, State, and local agency data: basin-wide, state-wide, or Reclamation-wide.

Query Tools

Sites

Parameters

SELECT YOUR DESIRED DATE RANGE (YYYY-MM-DD) OR PERIOD:

- ◉ Current Month
- ○ Current Year
- ○ All Available Data
- ○ Date Range: From _____ To _____

SELECT YOUR DESIRED OUTPUT FORMAT:

- ○ Interactive Plot
- ○ HTML Table
- ◉ JSON
- ○ CSV
- ○ WML2

Submit

Results

Query URL: http://bit.ly/2fECHfp [View] [Download]

Save/bookmark this URL to return to your query results in the future, or use it as a web service to automatically transfer data from the RWIS portal to your own models, apps, or analysis tools.

These links only provide raw data.

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