

# Water Quality Portal Data Discovery Tool

## What are the capabilities of the tool?

The Water Quality Portal (WQP) Data Discovery tool is a desktop application that provides an easy to use interface allowing users to search, summarize, QC and display data from the WQP.

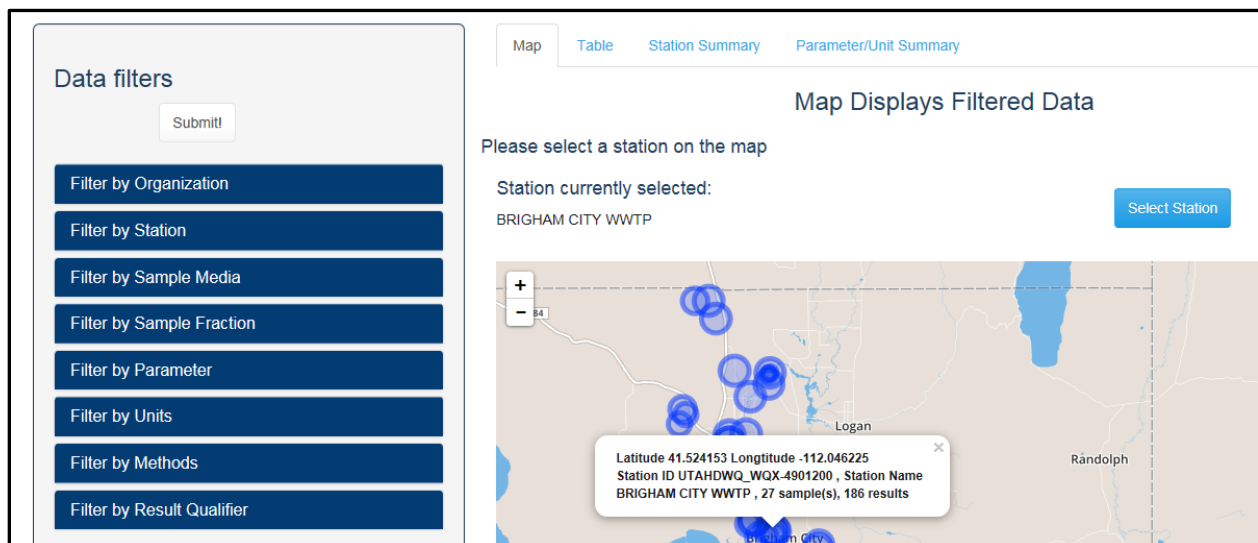
## What data is available?

The Data Discovery Tool, developed by the EPA and powered by the [Water Quality Portal](http://waterqualitydata.us) (<http://waterqualitydata.us>) services, allows you to access publicly available water-quality data from the EPA Storage and Retrieval Data Warehouse (STORET), USGS National Water Information System (NWIS), and USDA ARS Sustaining the Earth's Watersheds, Agricultural Research Data System (STEWARDS).

## How can I get the tool and get started using it?

The tool uses open source R, a statistical programming language and several add-on packages, to visualize the data selected from the portal and to assist users in data analysis. You must have at least version 3.2.1 of R on your computer to run the tool, which can be downloaded from the [Comprehensive R Archive Network](https://cran.r-project.org/) (<https://cran.r-project.org/>). After R is installed, download the Tool and unzip the file to your local file directory and reference the Quick Start Guide to get started using the tool.

Link to access the tool: <https://www.epa.gov/waterdata/water-quality-portal-data-discovery-tool>



The screenshot displays the user interface of the Water Quality Portal Data Discovery Tool. On the left, a 'Data filters' panel contains a 'Submit' button and eight filter categories: 'Filter by Organization', 'Filter by Station', 'Filter by Sample Media', 'Filter by Sample Fraction', 'Filter by Parameter', 'Filter by Units', 'Filter by Methods', and 'Filter by Result Qualifier'. The main area features a navigation bar with 'Map', 'Table', 'Station Summary', and 'Parameter/Unit Summary'. Below this, the heading 'Map Displays Filtered Data' is followed by the instruction 'Please select a station on the map'. The 'Station currently selected:' field shows 'BRIGHAM CITY WWTP' with a 'Select Station' button. A map of Utah shows several blue circular markers representing data points. A tooltip for the selected station provides the following information: Latitude 41.524153, Longitude -112.046225, Station ID UTAHDWQ\_WQX-4901200, Station Name BRIGHAM CITY WWTP, 27 sample(s), 186 results. The map also shows labels for 'Logan' and 'Randolph'.