

5.0 Analyzing Data by Exporting Data for External Analysis

You do not need to view a report or graph in order to export data for a given set of search criteria. You can export data as an Excel readable file using the following steps:

5.1 Data Analysis

Select Data Analysis in the navigation menu. The *Data Analysis* screen displays.

The screenshot shows the 'Ambient Water Quality Monitoring System' homepage. The navigation menu on the left includes 'Home', 'Input', 'Management', 'Output', and 'Configuration'. A red arrow points to the 'Data Analysis' link under the 'Output' section. The main content area displays a 'Data Summary' table with the following data:

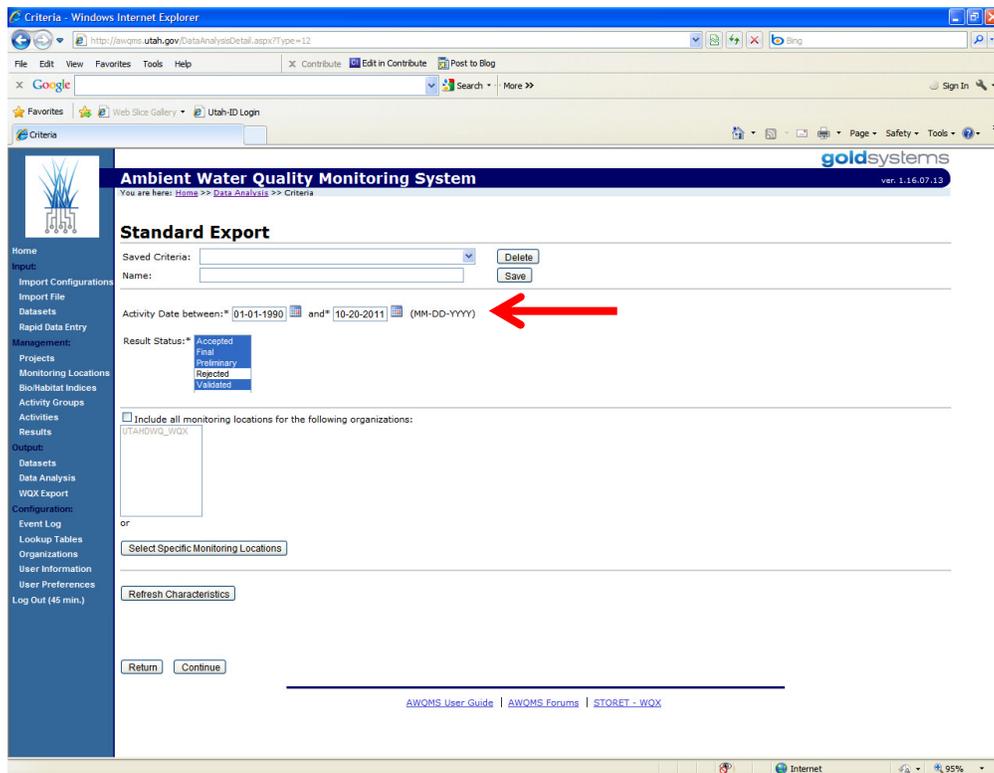
Organization	Total Results	Last 90 Days	YTD	Last WQX Export
UTAHDWQ_WQX	4,246,962	0	6	10-19-2011

Select **Standard**. The *Export Data Criteria* screen displays.



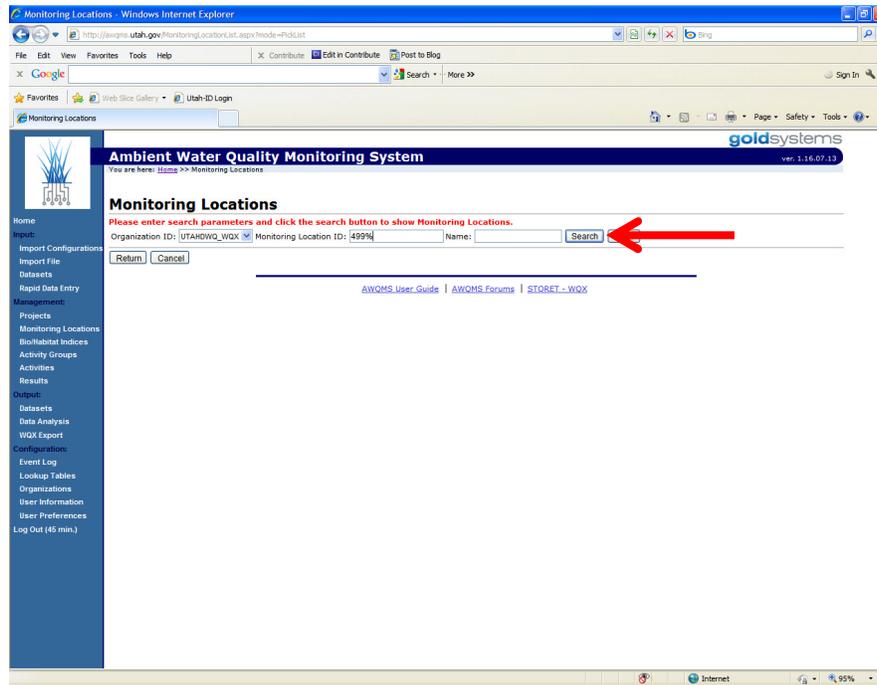
Enter search criteria and specify graph options.

- a) Select a date range. (MM-DD-YYYY)



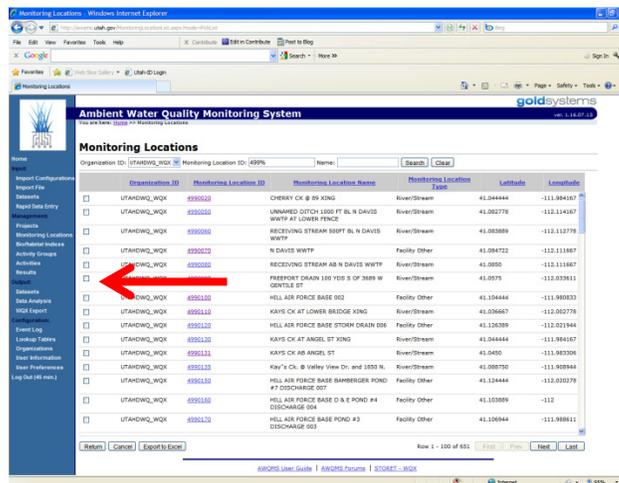
- b) Select the Result Status for which you want the data to be reported.
- c) Select the Monitoring Locations you wish to query.

- Selecting the Check Box and clicking on UTAHDWQ_WQX will select ALL locations in the database.
- Or, click on “Select Specific Monitoring Locations” to select a subset of sites.

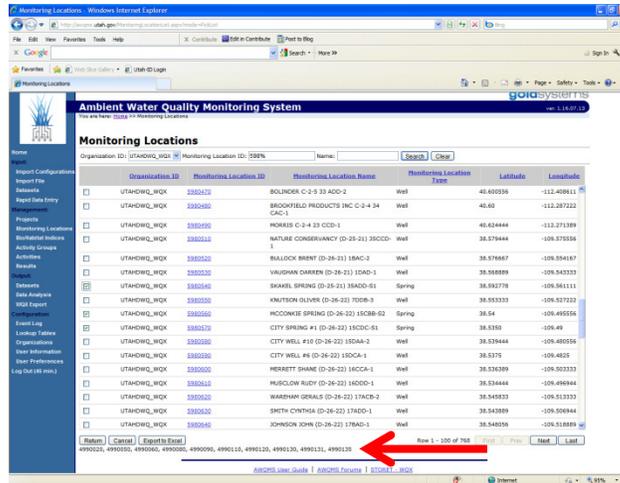


Notes: Monitoring Location ID refers to the STORET Number.
Entering a % before or after partial names or ID numbers serves as a wild card.

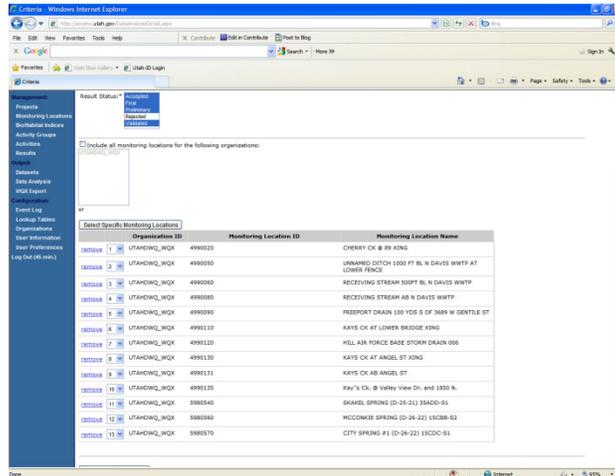
- Enter a search criteria for the “UTAHDWQ_WQX” Organization
- Click “Search”
- Select the sites you want by clicking the checked box.



- You can now search by different criteria and the system will store the sites you have already selected below the “Return, Cancel and Export to Excel” buttons.



v. When you are done, click “Return”

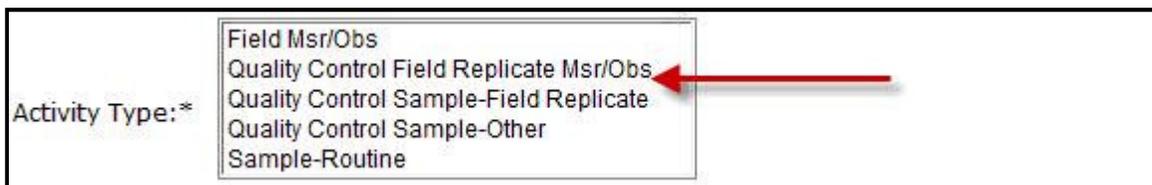


d) Click “Refresh Characteristics

- The characteristics list will be filtered to only show the characteristics for which there are actually results for the selected locations in the given date range and that will have one of the selected statuses.
- Each characteristic, fraction, and unit of measure combination for which there is actual data is displayed as a unique item in the list.

e) Select at least one characteristic, fraction, and unit of measure combination. Note that you can select more than one combination.

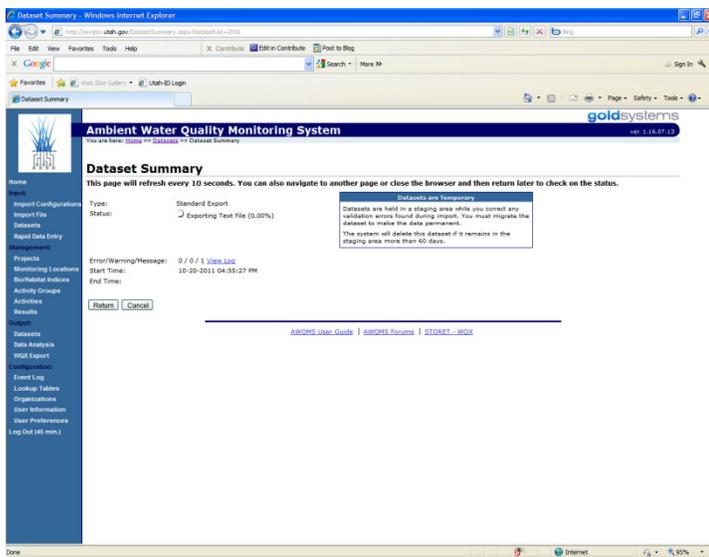
f) Select one or more activity types.



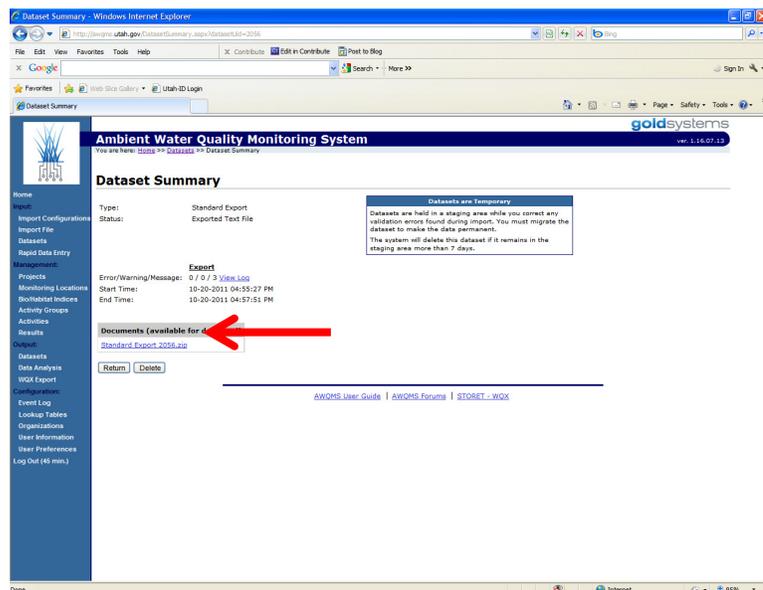
- g) If you would like results with a detection condition of either “Non-Detect” or “Present Below Quantification Limit” to be included in the graph, this is set in User Preferences.
- If a result is a non-detect the system will report a Result Value of a Method Detection Limit multiplied by the supplied factor if specified in User Preferences.
 - If a result is a a non-detect the system will report a Result Value of nothing, if specified in User Preferences.

Select **Continue** .

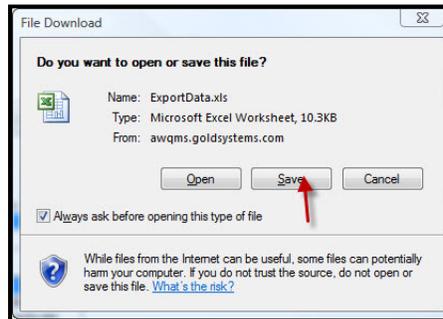
Your query will now run and an export file will be built with your results. You can run multiple queries at once – they will queue and export in the order they were received by the database. **Note:** You can navigate away from this window, or even log out while the query is processing. To get back to the query, go “Home” on the left side bar navigation, and find your query under “My datasets”.



Once ready for download, a hot-linked file will appear. Click on it.



A dialog will open asking you if you wish to unzip the file and open the file directly in Excel or save it to your computer. In this example, we will unzip the file, save the file and then open it in Excel. Select **Save**.



Your computer will then allow you to decide where to save the file and what name to use. In this example, we will save it to the desktop and keep the default name.

Select the **OK** button and the save window will close.

Now navigate to the desktop

Double-click the file to open it in Excel.

The file opens in Excel.

