

Viewing World Water Monitoring Data on a Map

User Instructions

In order to view the World Water Monitoring Day (WWMD) data on a map, you will need Google Earth, which is free mapping software, installed on your computer. To download the Google Earth software and the WWMD data, refer to the instructions below. Additionally, you will find instructions on how to view the WWMD data on the map.

To Download Google Earth:

1. Go to <http://earth.google.com/>
*Follow this [link](#) to view the system requirements for Windows, Mac or Linux operating systems
2. Click the "Download Google Earth 5.0" button on the right side of the page.
3. Follow the instructions provided by Google to install the software on your computer.

To Download the WWMD Data:

1. Right-click on this link
2. Click "Select Target As" (for Internet Explorer) or "Save Link As" (for Mozilla and Firefox)
3. Save the WWMD_data.kml file to a location on your computer.

To View the WWMD Data on a Map:

1. After downloading both Google Earth and the WWMD data, double-click on the WWMD_data.kml file or right-click on the WWMD_data.kml file and select "Open." Google Earth will open automatically.

OR

After downloading both Google Earth and the WWMD data, double-click on the Google Earth icon on your computer's desktop to open the Google Earth software. Click on the Open option under the File menu. In the Open window navigate to where you saved the WWMD_data.kml file on your computer, select it and click the Open button.

2. For ease of using the map, turn off the other map data layers by clicking on the box next to the Primary Database title, which is located on the left side of the application under the section titled "Layers." To once again view one of these layers on the map, click the box next to the layer name of interest (for instance, if you'd like to see the roads on the map, click the box next to the Roads layer title).

3. The WWMD data is shown in the “data_pts” layer, which is located under the Temporary Places folder in the “Places” section. The WWMD data is shown as red points and is automatically labeled with the name of the water source for which the data collection point is associated.
4. To navigate within the map, simply click and drag the Earth to move to different locations. By using the scroll wheel on your mouse you will zoom in and out of the Earth. You may also rotate the Earth and zoom in and out with the Google tools on the right-hand side of the screen. For additional instructions on how to use Google Earth, please refer to Google’s online [User Guide](#).
4. As you zoom in, the water source name appears near the red WWMD data point. To view additional information associated with the red WWMD data point, use the mouse to click on the point. The information for that WWMD data point will appear on the screen. The information shown in the box is described below (if the value is blank it means that the collector did not record that information). To close the information box, click somewhere else on the screen or click on the “X” in the upper right hand corner of the box.
 - Name of the water source (e.g., Sandy Creek)
 - Type of water source (e.g., Stream/Creek)
 - Name of the collection site (e.g., Canet Road Underpass)
 - Latitude and Longitude (30.8687, -98.4363)
 - Date on which the sample was collected (e.g., 09/23/2008)
 - Time at which the sample was recorded, shown in military time (e.g., 13:55)
 - pH value (e.g., 7.5)
 - Dissolved Oxygen (DO) in milligrams per liter (mg/l) (e.g., 9.8)
 - Water temperature in degrees Celsius (°C) (e.g., 13.35)
 - Turbidity shown in Nephelometric Turbidity Units (NTU), Jackson Turbidity Units (JTU) or centimeters (e.g., 1.7 JTU)
 - Indication if the QA protocols were followed (e.g., Yes)
 - Explanation of Indicators link, shown in blue text. Clicking on the link will display general information on pH, DO, turbidity, and water temperature.
 - Name of the organization or individual that collected the sample (e.g., Mills High School). If the organization/individual provided a website address, the name will be displayed in blue text; clicking on the name will display the associated website.
5. For those who have entered data through the World Water Monitoring Day website, you may enter your latitude and longitude (e.g. “37.3258, -122.38583”) in the “Search” box located on the left side to zoom directly to your WWMD data point.