



## Drinking Water Source Protection Interactive Map Viewer

# Instructions for Use

September 2016

Welcome to the Oregon Dept. of Environmental Quality Drinking Water Protection Program Geocortex Web Map Application! This map viewer was produced by Oregon Dept. of Environmental Quality in partnership with the Oregon Health Authority to help public water systems and their communities identify and protect sources of drinking water (streams, rivers, lakes, reservoirs and groundwater aquifers). This application allows the viewer to identify land uses and potential sources of pollutants identified on regulatory databases within public drinking water source areas (DWSAs). Maps can be produced and data related to the potential sources of pollutants can be output to tables to allow further evaluation and technical assistance work. You can begin by accessing the web map using the following link:

<http://deq14.deq.state.or.us/Html5viewer261/?viewer=drinkingwater>

When the application opens you will temporarily see a screen like this as the web map application loads into your browser –

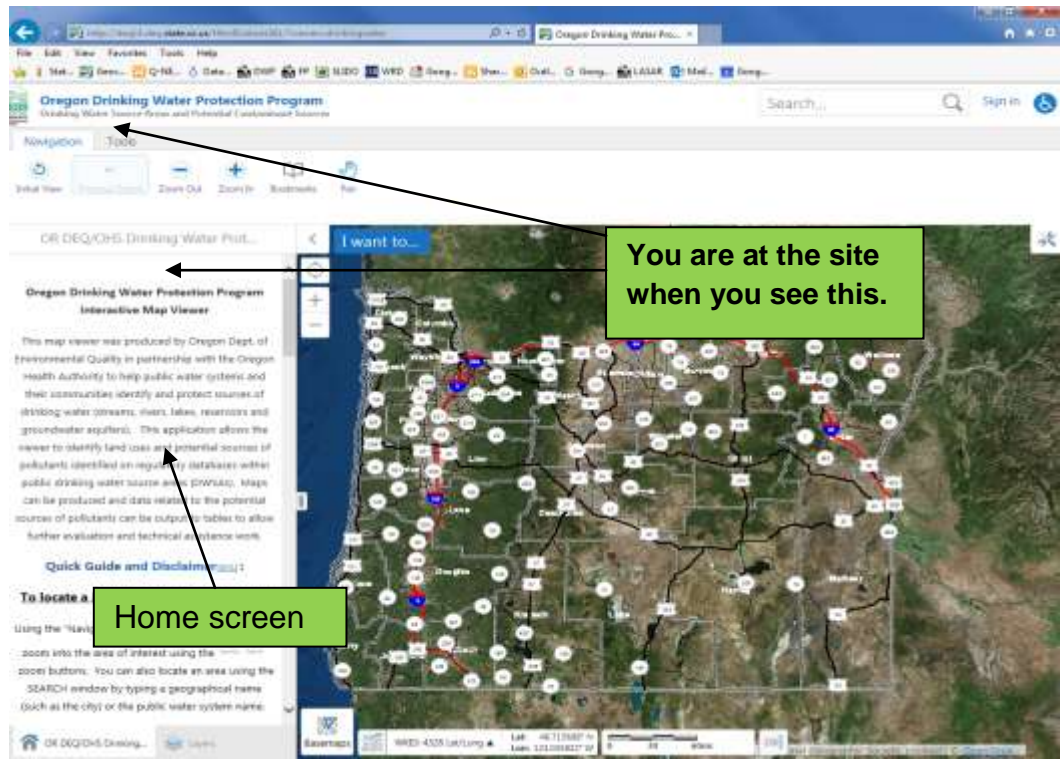


Look for the OR  
DEQ logo.

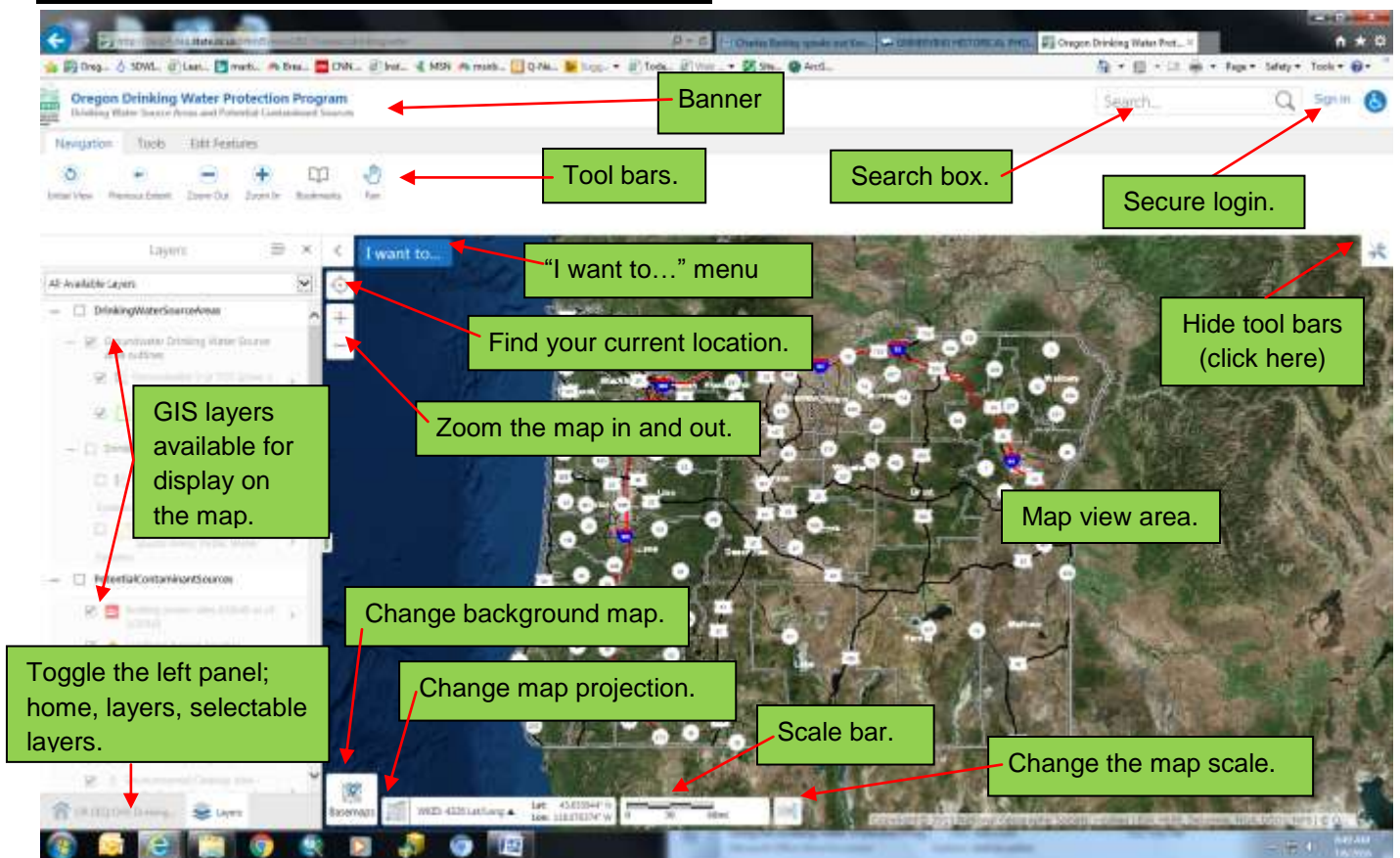


You are on your way.

The next screen will automatically open with a “Home” description of the map (left side).



**The basic parts of the map application.**

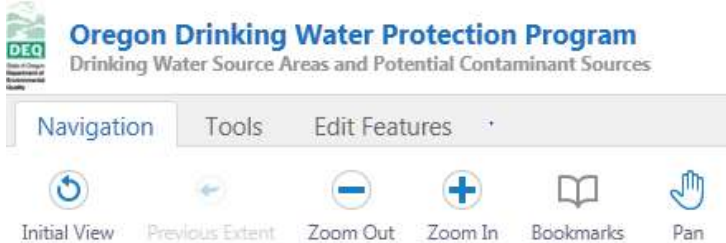


## Using the map toolbars

There are three tabs containing tools available for your use: Navigation, Tools, & Edit Features

### The “Navigation” toolbar

The “Navigation” toolbar functions in help to move around the map.



**Initial View** – Clicking here will center the map view on the State of Oregon boundaries.

**Previous Extent** – This tool takes you back to the area you were before you changed the map area by zooming in or out.

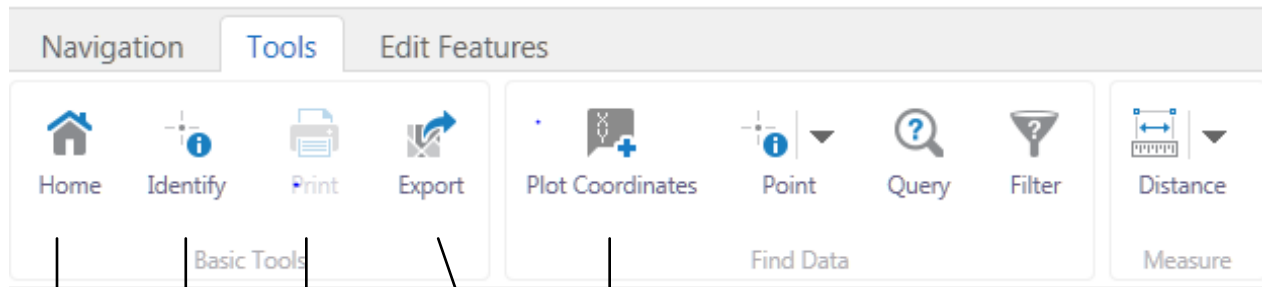
**Zoom Out** – This tool will make the map change so you can see more area. The effect is like moving to a higher elevation; you can see more of an area. For example, it can be used to move from viewing an individual county to seeing the whole state.

**Zoom In** – Clicking here will make the map change so you can see less of the entire state. The effect is like moving to a lower elevation; you can see less of an area. For example, it can be used to move from viewing the whole state to seeing individual counties.

**Bookmarks** - This allows you to “save” a location. The viewing area currently on the map can be saved and named to make it easier to return to an area automatically.

**Pan** – Clicking here allows you move around the map smoothly by holding down the left button use your mouse.


## The “Tools” toolbar



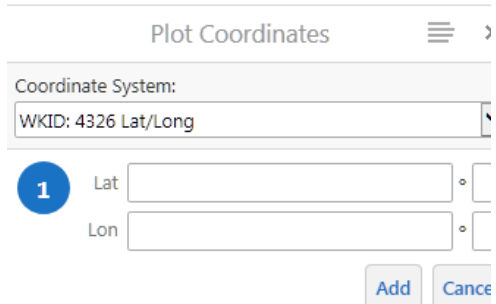
**Home** - clicking here takes you to an opening page with map information.

**Print** - Create a printable map.


**Export** – This is the tool used to create an image of the map you see in the application (to paste into your templates). Select “JPEG” from the format list since this type will easily paste into an MSWord document.



**Plot coordinates** - allows you to select a map coordinate system and input XY coordinates and find the location on the map.

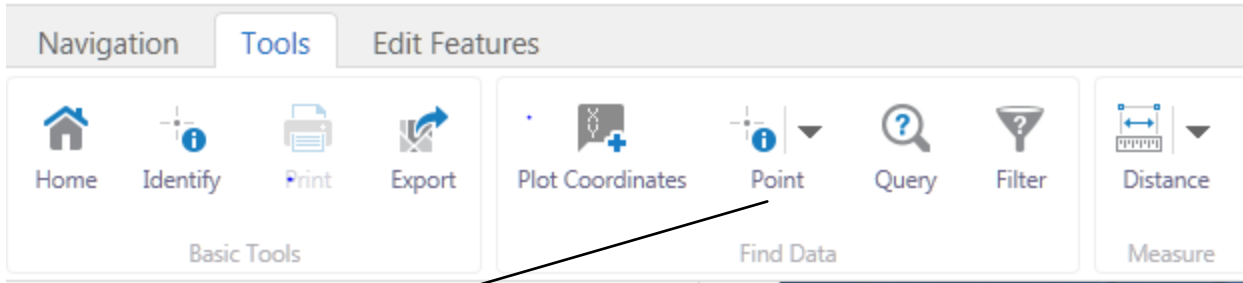


**Identify** – multiple tools found by clicking here.

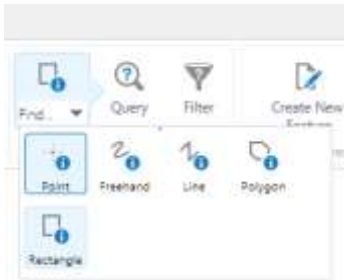


Enable buffering - allows custom creation of an area around a point or polygon.

Identifiable layers – allows control of which layers you can use the “Find” tool to get additional information on what you click on in the map.



**Find Data** - This tool helps you identify what you see in the area you select.



Select a style (Rectangle and polygon are popular) and use the tool to draw around the area where you want more information on what you are seeing on the map.

Find (identify) results are displayed on the right side of the map.



Click here and select "switch to table" and the results are in a table at the bottom of the map with results tabs for each layer within the area you selected with the polygon Find tool. Note the "pins" showing the results.

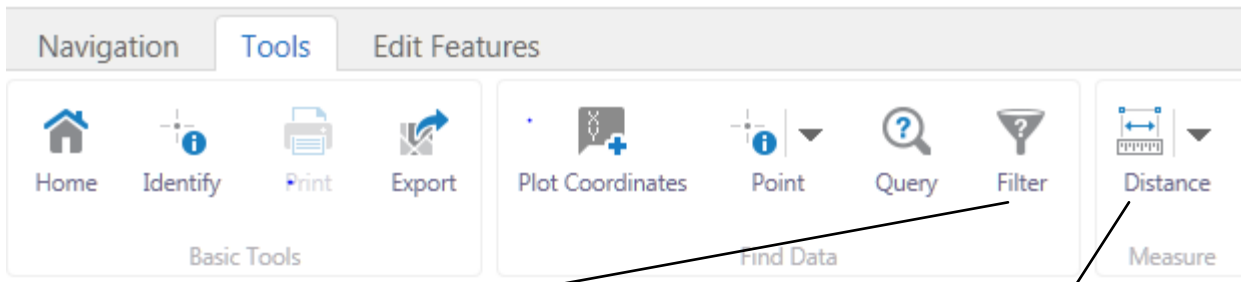
The results table appears like this. It can be exported to various formats using the drop down menu.

The screenshot shows a table titled "Identify Results (13)". The table has the following columns: OBJECTID, Shape, PWS\_ID, TRNWSYS\_NA, Hazardous Material, PWS\_Label, Trainers\_R, TRNWSYS\_IC, TRNWSYS\_DS, TRNWSYS\_ST, FPS\_ONLY, OR\_CITY\_PU, TRNWSYS\_ST, and UTM\_ZONE. The table contains 13 rows of data. To the right of the table is a dropdown menu with the following options: Search to List, Show Buffer (toggle), Export to CSV, Export to XLSX, and Export to Shapefile.

### Query Tool

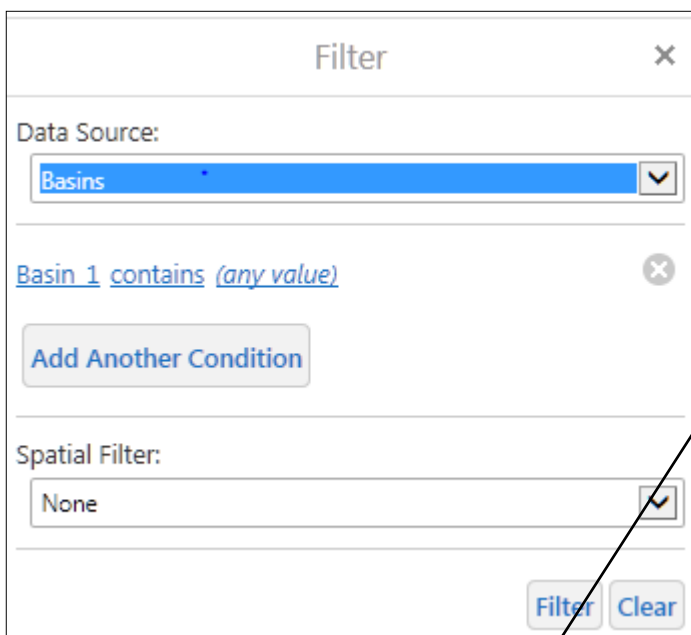
The "Query" tool allows you to get to specific locations and narrow down what you are seeing on the map based on selected criteria.

The screenshot shows the Oregon Drinking Water Protection Program web application. The map displays several green circular markers of varying sizes. A "Query" dialog box is open in the bottom right corner, showing the following fields: Data Source (set to "Basin"), Basin\_1 (set to "contains"), Add Another Condition (button), Spatial Filter (set to "None"), and a Search button.



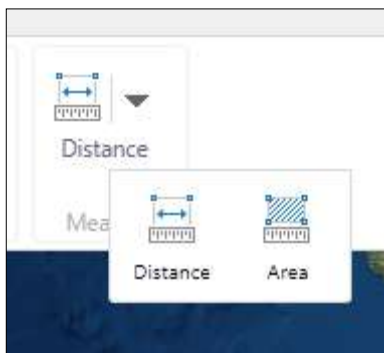
## **Filter Tool**

The "Filter" tool works in a similar manner to the query tool.



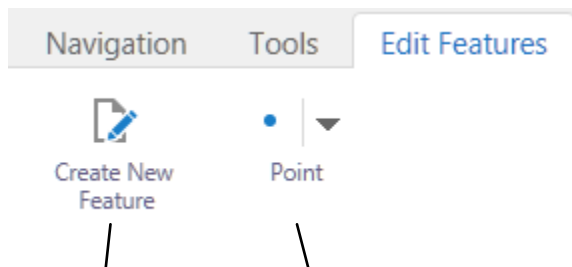
## **Distance Tool**

The distance tool allows you to measure linear distance and polygon area & perimeter.



## The “Edit Features” toolbar.

This is a specialty toolbar for secure (with a login) users only; only part of the tools are available on the public copy.



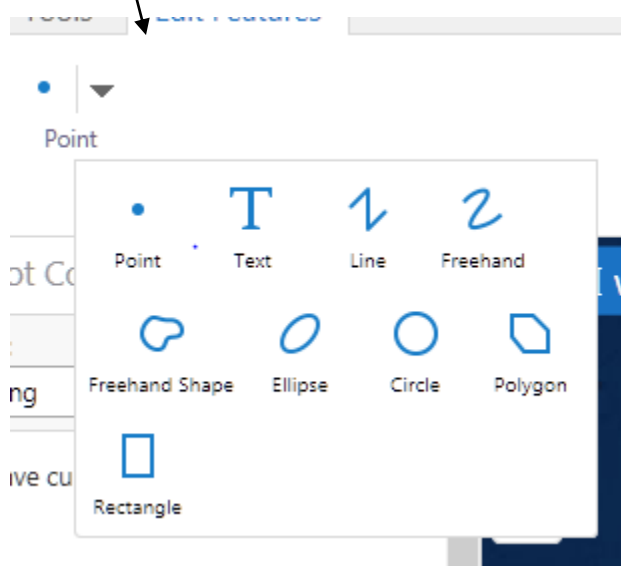
### Create New Feature Tool

This is a specialty tool for use in agency source water assessments and requires a secure login. The public can draw with the tool. However, for public use it is more useful to use the Find Data (aka Identify) tools to focus on a particular area.

The “Create New Feature” tool will let you add text, points, and polygons to the map. It will allow secure users to draw points and polygons (for new potential contaminant sources (PCSs)) and save them to a database DEQ has set up to accept your information. DEQ can then access the data and add it to existing PCS layers

### Point Tool

The “Point” tool allows users using any of the text or drawing patterns seen below. Note: These drawing tools are not permanent; you can add them to the map for labeling parts on an exported map image (see Export tool).





**Navigate around the map.**

Navigations in this map application is similar to what you may be used to in Google or Bing maps.

Left click and hold with your mouse will let you manually move the map around to center it where you want to work or create a print.

Arrow keys on your keyboard will also move the map center around.

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**CONTACT:**

For assistance with the Interactive Map Viewer contact:

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For technical assistande or questions on drinking water source protection see

<http://www.deq.state.or.us/wq/dwp/contacts.htm>