

# Users Guide:

This guide will introduce you to the map functions in retrieving the water and bulk deposition chemistry data collected from agency field units and from other sources each having varying protocols. Again, caution should be exercised when analyzing and comparing data. We have good confidence that the laboratory physical and chemical analyses are generally of high quality. But quality assurance is still necessary for much of the data. We urge anyone who chooses to analyze these data to contact us with findings about quality or content. The documentation below introduces you to the HTML View of this application.

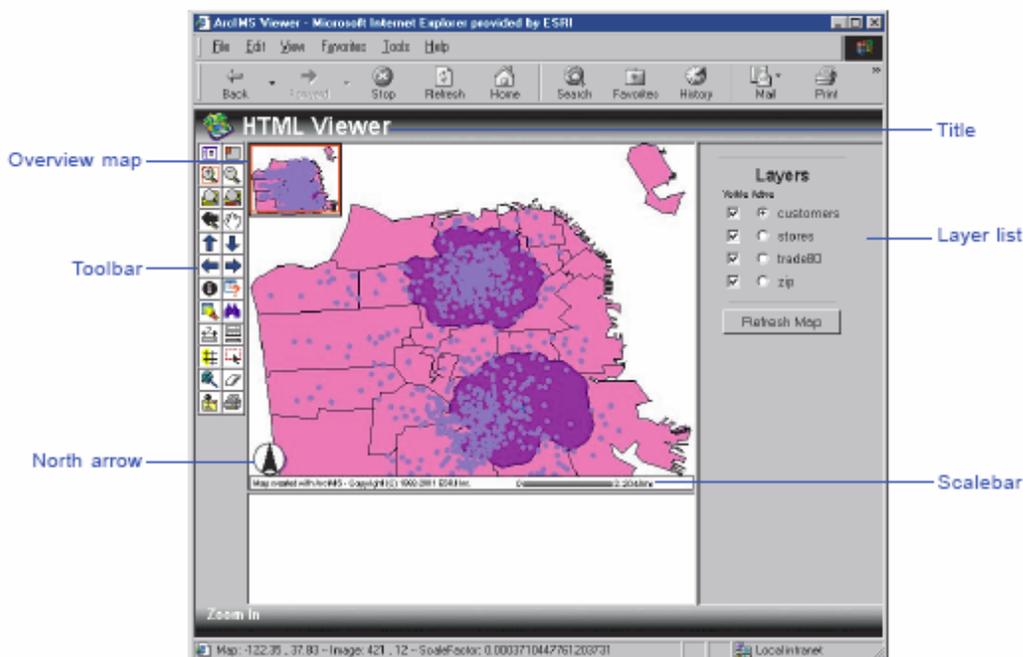
## The HTML Viewer

The HTML Viewer interface consists of a map display area, title, toolbar, layer list, scalebar, North arrow, and overview map.

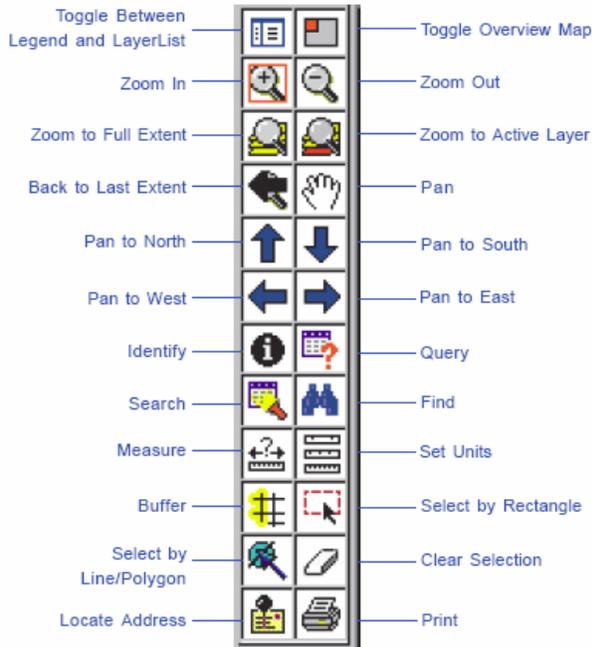
The toolbar appears to the left of the map display area. It includes all the tools you selected when designing your Web site as well as two buttons unique to the HTML Viewer: Toggle Between Legend and LayerList and Toggle Overview Map.

The layer list appears to the right of the map display area. Click Active to make a layer active. The active layer is the layer against which querying, buffering, and so on, will be performed.

Check a layer to make it visible; uncheck it to remove it from the map display. After making changes, you must click the Refresh Map button for your changes to be reflected on the map.



## The toolbar in the HTML Viewer



**Toggle Between Legend and LayerList:** Switches back and forth between a legend with symbology and a layer list with active layer and visibility options.

**Toggle Overview Map:** Adds or removes the overview map from the left top corner of the map display area.

**Zoom In:** Zooms in to the area of the map that you click or drag a box around.

**Zoom Out:** Zooms out from the area of the map that you click or drag a box around.

**Zoom to Full Extent:** Zooms to the full extent of the map.

**Zoom to Active Layer:** Zooms to the full extent of the active layer.

**Back to Last Extent:** Zooms to the previous extent.

**Pan:** Pans the display in the direction that you drag the mouse pointer.

**Pan to North, Pan to South, Pan to East, Pan to West:** Pans the map in one direction—north, south, east, or west.

**Identify:** Displays attribute information for the feature that you clicked.

**Query:** Searches for features based on a query expression.

**Search:** Searches for features based on the information you enter.

**Find:** Finds map features with an attribute value matching a string that you type.

**Measure:** Measures distances on the map.

**Set Units:** Sets the units for the Measure tool.

**Buffer:** Selects the features of one layer that are within the specified buffer distance of selected features of another layer.

**Select by Rectangle:** Selects the group of features contained by or in contact with a rectangle you draw on the map.

**Select by Line/Polygon:** Selects the group of features contained by or in contact with a line or polygon you draw on the map.

**Clear Selection:** Clears the selected set of features.

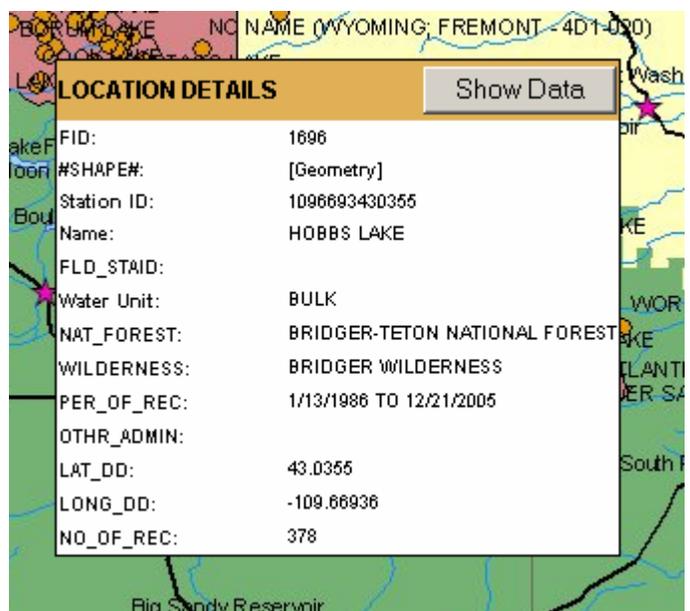
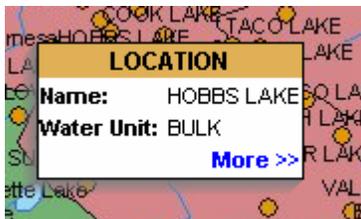
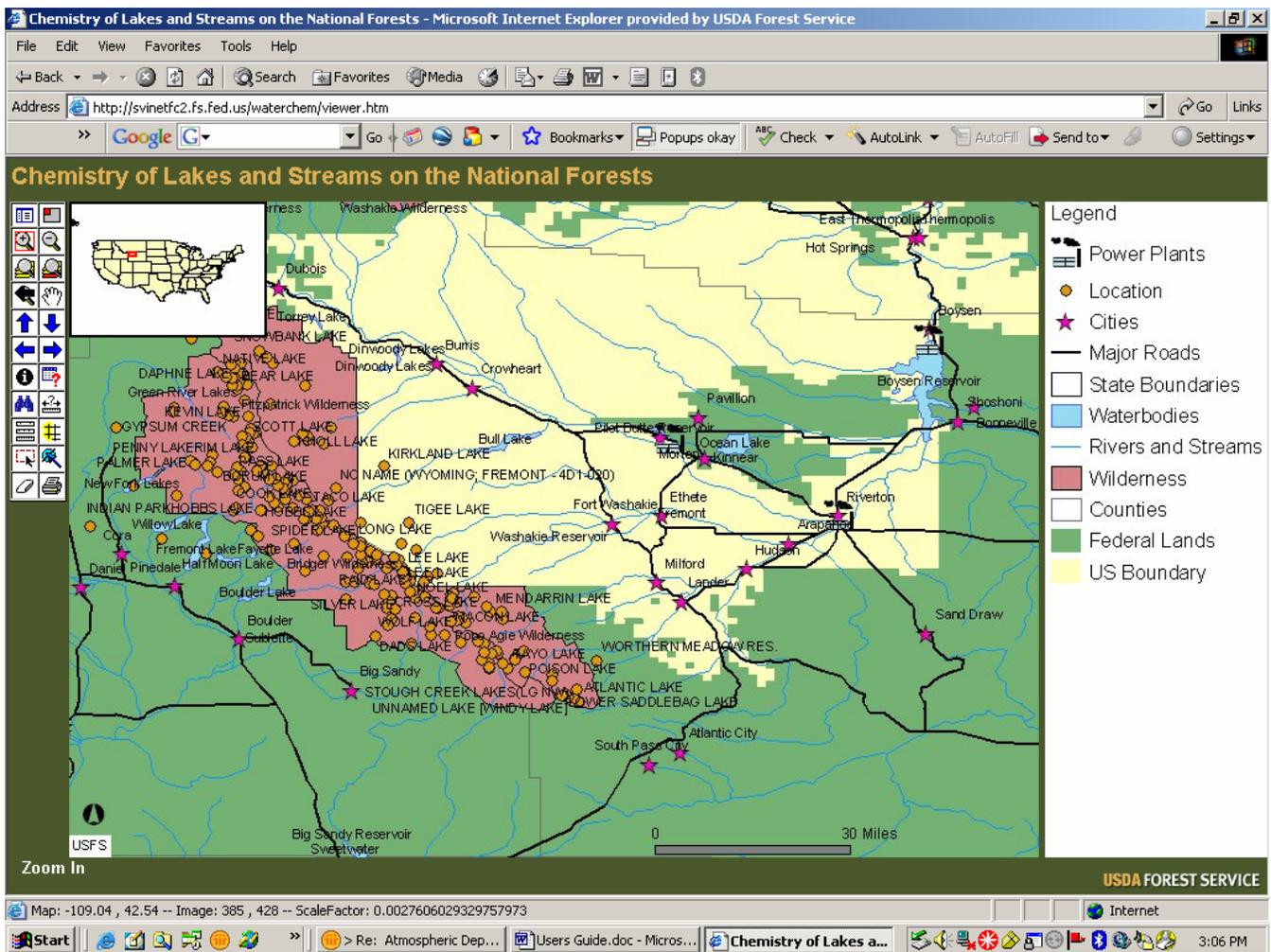
**Locate Address:** Locates a street address on the map.

**Print:** Prints the map to your default printer.

To get started, in the map window select your area of interest by using the Zoom in tool on the HTML viewer tool bar. As you zoom in the layers that are active will show up on the right in your Layer list. The different layers that are included in this viewer are listed below:

- Power Plants
- Locations (Water or Bulk deposition sampling sites)
- Cities
- Major Roads
- State Boundaries
- Water Bodies
- Rivers and Streams
- Wilderness
- Counties
- Federal Lands
- US Boundary

Toggle between the Legend and Layer list using the HTML viewer tool bar.



You may only choose one site at this time.

The data is connected to an access database linked to the Sample Location Identifier located with the latitude and longitude supplied by the field units.

To get your data you need to hover over the point

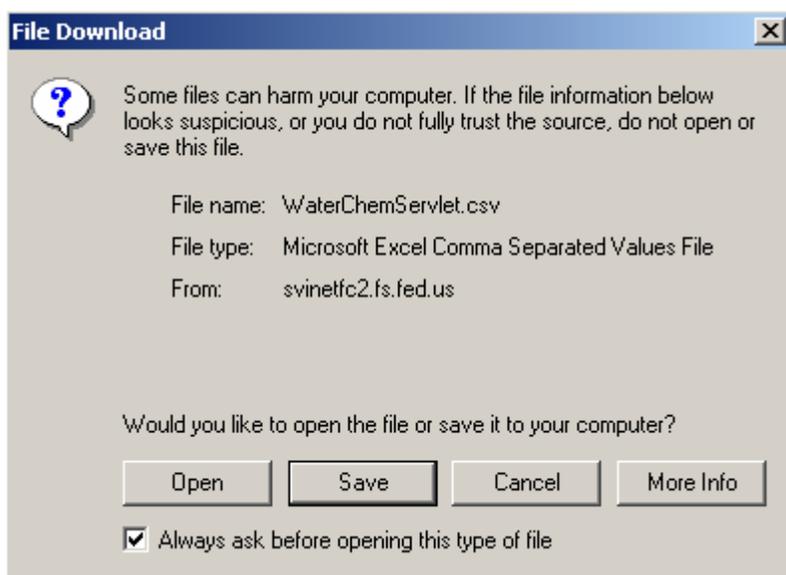
until a Location box appears. Select -More- to get the metadata. In the Location Details box select the -

Show Data - button to query the water or bulk data for the location you selected. On large datasets please be patient because it takes a while to bring up the data. You may think your computer is locked up but it isn't. We will be adding a wait message or icon in the near future. We also will be adding a home button to bring you back to the beginning in the near future.

Water Chemistry Data Page - Microsoft Internet Explorer provided by USDA Forest Service

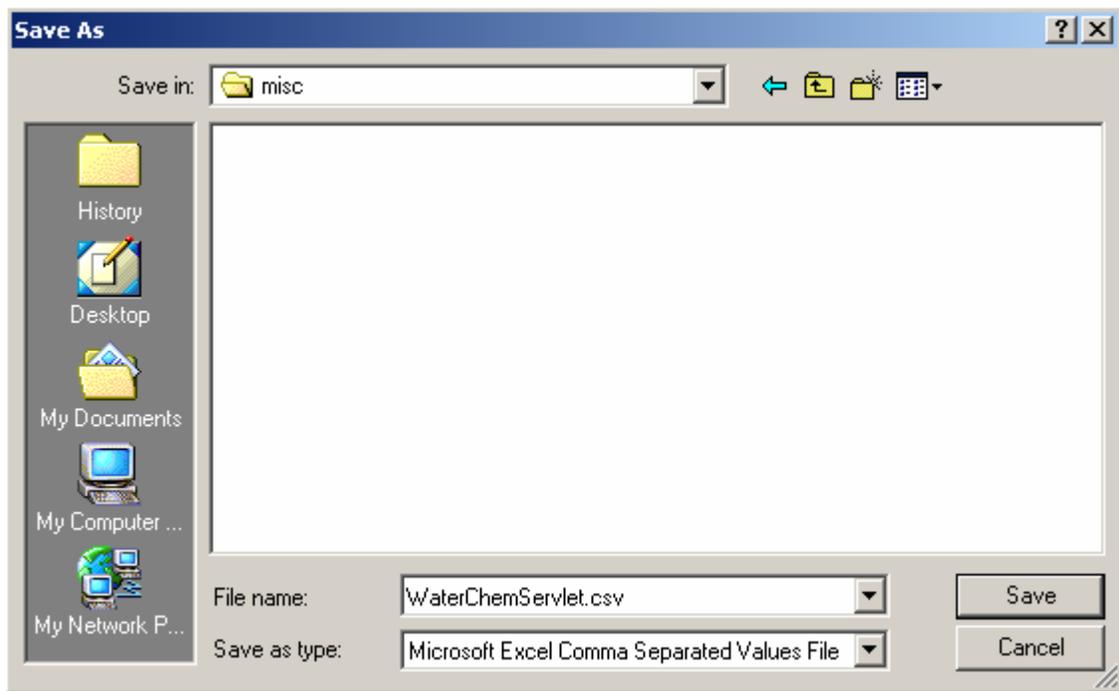
Station Name: HOBBS LAKE    StationID: 1096693430355    [Save to CSV File](#)    [Data Dictionary](#)    [Field Guide](#)

ID	Event_Name	Sta	Location	FieldStaID	Measurement Location	LatDD (degrees)
8682	R4_R2 WIND RIVER MOUNTAINS BULK DEPOSITION RAIN MONITORING	1096693430355	HOBBS LAKE		N/A	43.0355
8691	R4_R2 WIND RIVER MOUNTAINS BULK DEPOSITION RAIN MONITORING	1096693430355	HOBBS LAKE		N/A	43.0355
8697	R4_R2 WIND RIVER MOUNTAINS BULK DEPOSITION RAIN MONITORING	1096693430355	HOBBS LAKE		N/A	43.0355
8698	R4_R2 WIND RIVER MOUNTAINS BULK DEPOSITION RAIN MONITORING	1096693430355	HOBBS LAKE		N/A	43.0355
8704	R4_R2 WIND RIVER MOUNTAINS BULK DEPOSITION RAIN MONITORING	1096693430355	HOBBS LAKE		N/A	43.0355
8710	R4_R2 WIND RIVER MOUNTAINS BULK DEPOSITION RAIN MONITORING	1096693430355	HOBBS LAKE		N/A	43.0355
8719	R4_R2 WIND RIVER MOUNTAINS BULK DEPOSITION RAIN MONITORING	1096693430355	HOBBS LAKE		N/A	43.0355
8728	R4_R2 WIND RIVER MOUNTAINS BULK DEPOSITION RAIN MONITORING	1096693430355	HOBBS LAKE		N/A	43.0355
8737	R4_R2 WIND RIVER MOUNTAINS BULK DEPOSITION RAIN MONITORING	1096693430355	HOBBS LAKE		N/A	43.0355
8744	R4_R2 WIND RIVER MOUNTAINS BULK DEPOSITION RAIN MONITORING	1096693430355	HOBBS LAKE		N/A	43.0355
8745	R4_R2 WIND RIVER MOUNTAINS BULK DEPOSITION RAIN MONITORING	1096693430355	HOBBS LAKE		N/A	43.0355
8748	R4_R2 WIND RIVER MOUNTAINS BULK DEPOSITION RAIN MONITORING	1096693430355	HOBBS LAKE		N/A	43.0355
8754	R4_R2 WIND RIVER MOUNTAINS BULK DEPOSITION RAIN MONITORING	1096693430355	HOBBS LAKE		N/A	43.0355
8755	R4_R2 WIND RIVER MOUNTAINS BULK DEPOSITION RAIN MONITORING	1096693430355	HOBBS LAKE		N/A	43.0355
8759	R4_R2 WIND RIVER MOUNTAINS BULK DEPOSITION RAIN MONITORING	1096693430355	HOBBS LAKE		N/A	43.0355
8772	R4_R2 WIND RIVER MOUNTAINS BULK DEPOSITION RAIN MONITORING	1096693430355	HOBBS LAKE		N/A	43.0355
8779	R4_R2 WIND RIVER MOUNTAINS BULK DEPOSITION RAIN MONITORING	1096693430355	HOBBS LAKE		N/A	43.0355
8780	R4_R2 WIND RIVER MOUNTAINS BULK DEPOSITION RAIN MONITORING	1096693430355	HOBBS LAKE		N/A	43.0355
8784	R4_R2 WIND RIVER MOUNTAINS BULK DEPOSITION RAIN MONITORING	1096693430355	HOBBS LAKE		N/A	43.0355



To save this data as a comma delimited file, for bringing into Excel or any other package, select the –Save to CSV File – button along the top of the page shown above. Select Save in the File Download screen. Navigate to the directory you wish to save the file. The default file name is

WaterChemServlet but you may name it what you wish.



To display information connected to power plants, select the Power Plants Layer in the Layers list to make this layer active and use Select by Rectangle on the toolbar in the HTML viewer to select the Power Plant (see legend for symbol). There is limited information connect to the Power Plants at this time. More data may be added in the near future. Other layer information may be display in the same manor as long as you select that layer and make it active.