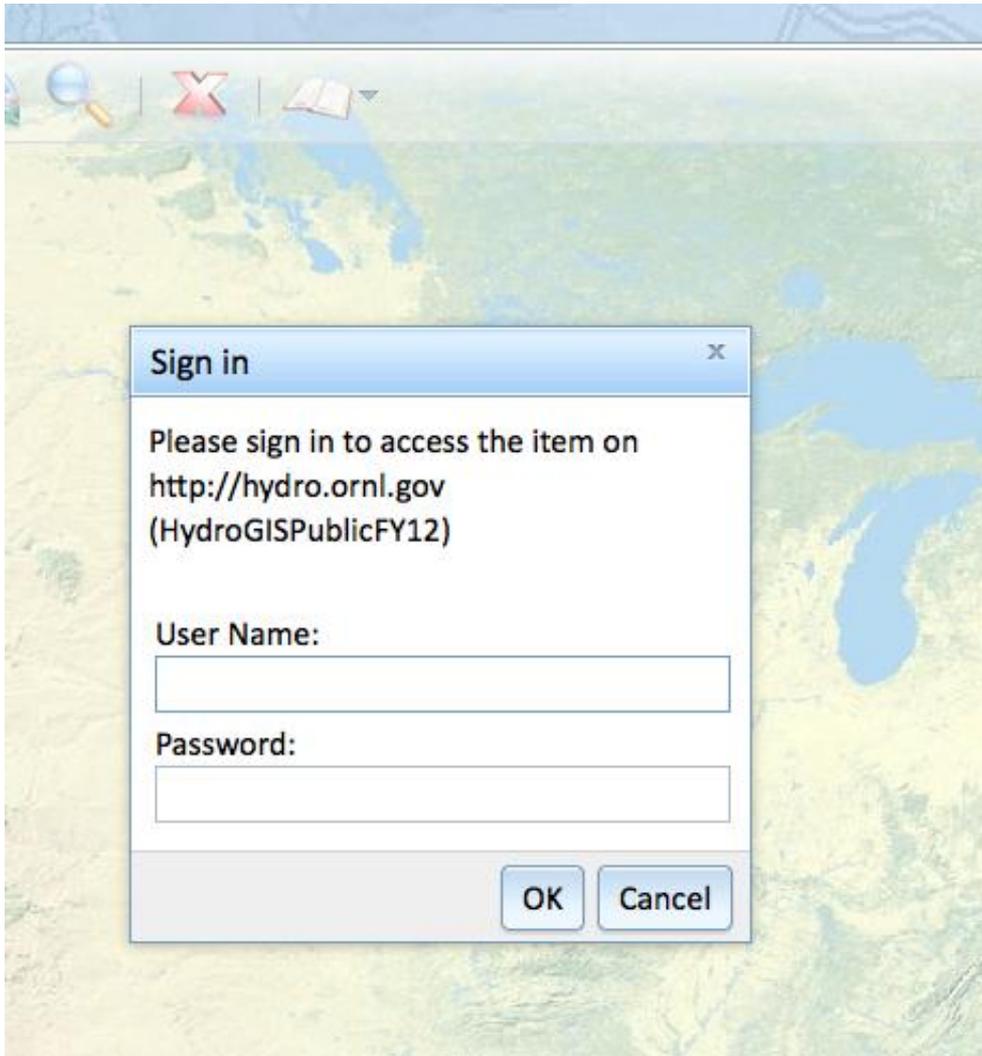


ORNL NHAAP HydroGIS

This document provides a brief tutorial for the user of the NHAAP HydroGIS



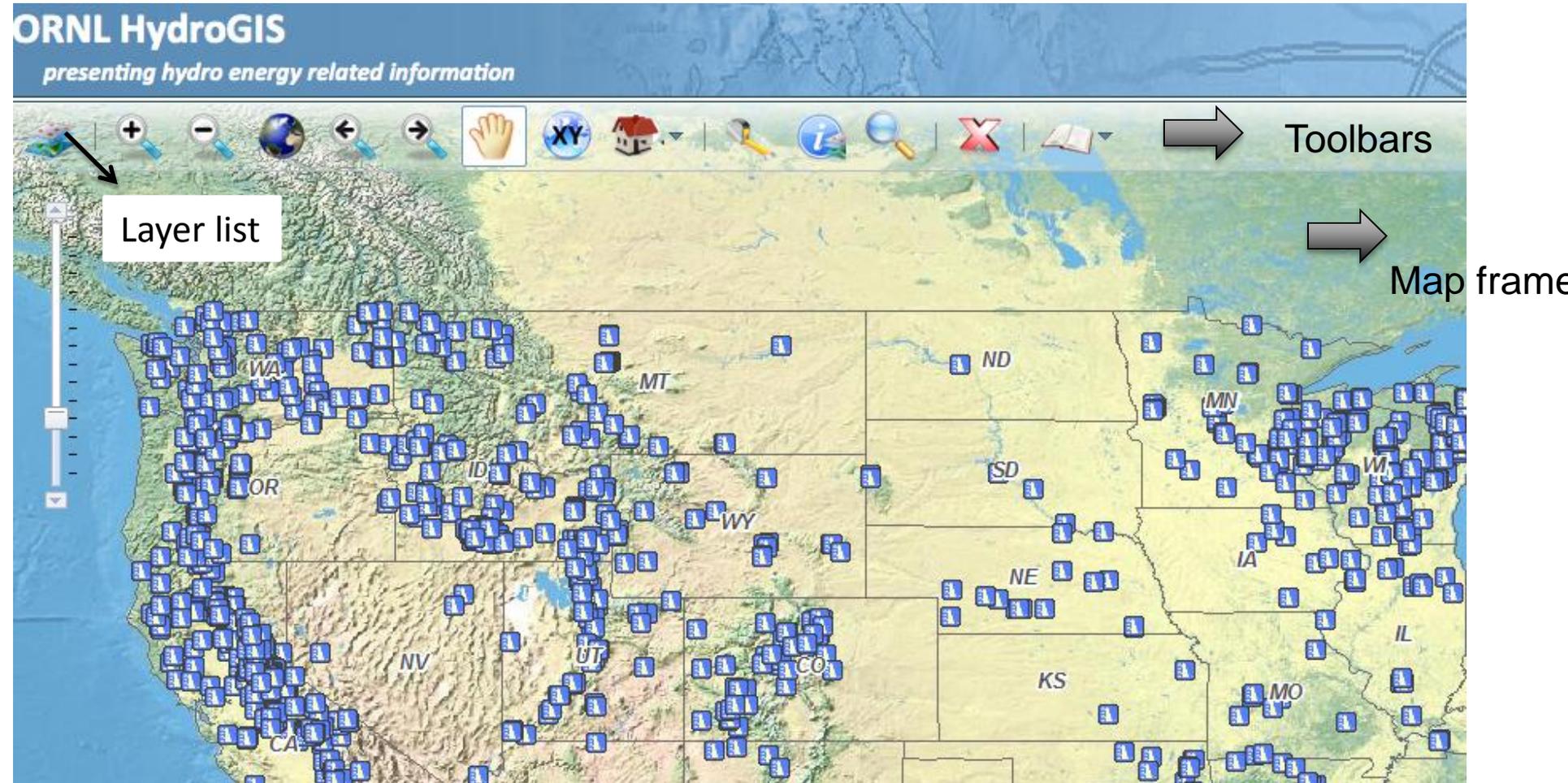
Access Information



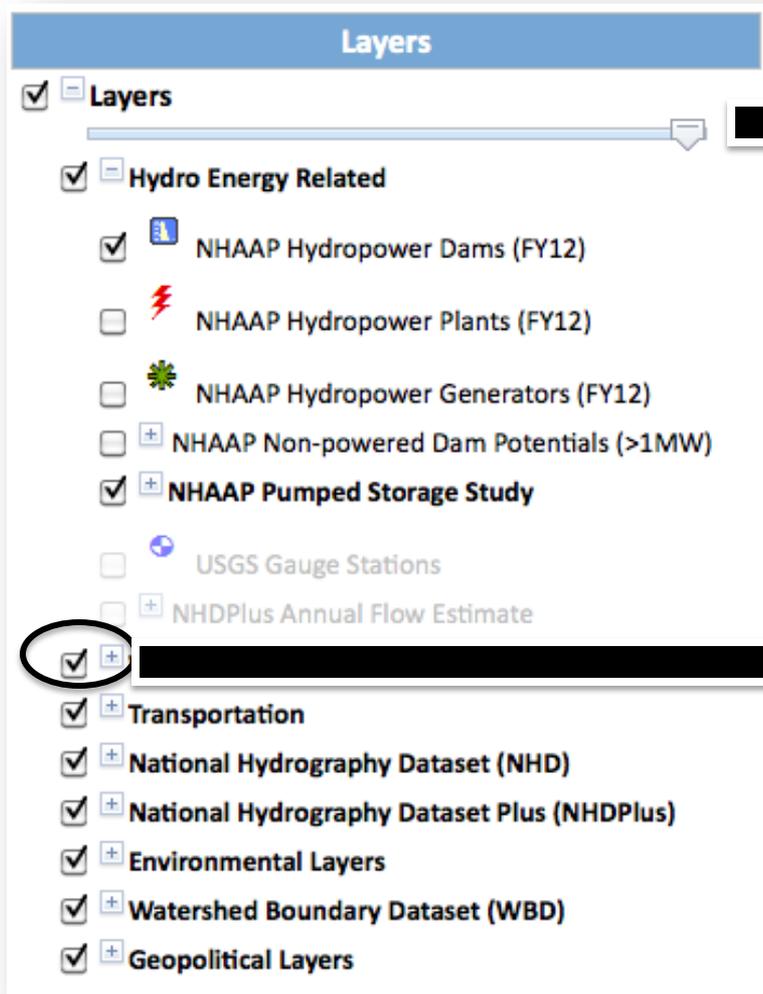
Access to HydroGIS is access controlled.

Users should register with the [ORNL NHAAP Team](http://nhaap.ornl.gov/contact) (<http://nhaap.ornl.gov/contact>) to retrieve HydroGIS account and password, and must fully agree with the [terms and conditions](http://nhaap.ornl.gov/content/terms-and-conditions) <http://nhaap.ornl.gov/content/terms-and-conditions> .

User Interface



Layer List



The slide bar allows the capability to set the display transparency of the data layers.

Turn on/off data layers using the checkbox.

The data layers are grouped and the “+” symbol can be used to expand data layers in a group

Data Query

The screenshot shows a GIS application interface. At the top, there is a toolbar with various icons including a hand, a compass, a magnifying glass, and a red 'X'. Below the toolbar is a map of the United States with numerous blue square markers representing dam locations. A 'Select Features' dialog box is open, showing 'Target Layer: NHAAP Hydropower Dams (FY12)' and options for 'By Point' and 'By Area'. A 'Find Nearby Features' button is visible, along with a search radius of '1.000 Miles'. A red circle highlights a specific dam marker on the map. A data popup window is open for this dam, displaying the following information:

NHAAP Hydropower Dams (FY12): GAVINS POINT DAM	
Category	USACE
Dam Name	GAVINS POINT DAM
Dam Owner Name	CENWO
WBD HUC08 ID	10170101
NID ID	SD01094
NID State ID	06440
NID Structure ID	Null
State	SD
County	YANKTON
City	YANKTON
Year Built	1958
Zoom to	

Select the identify tool, select the target later and find features by point/area

Data properties for features such as hydropower dams in this case will be displayed. The feature selected is also highlighted

Tool Bars



These are a set of navigation buttons for the map interface. Functions include Zooming in, out, pan and full extent view. The previous map extent can be viewed as well similar to the a web browser back/forward button.



This button provides a list of layers provided through the HydroGIS. The layer list opens in a draggable window. The layers and their symbology are also displayed in the window. In addition, the transparency of the data layers can be adjusted through a slider provided in the layer window.

Tool Bars

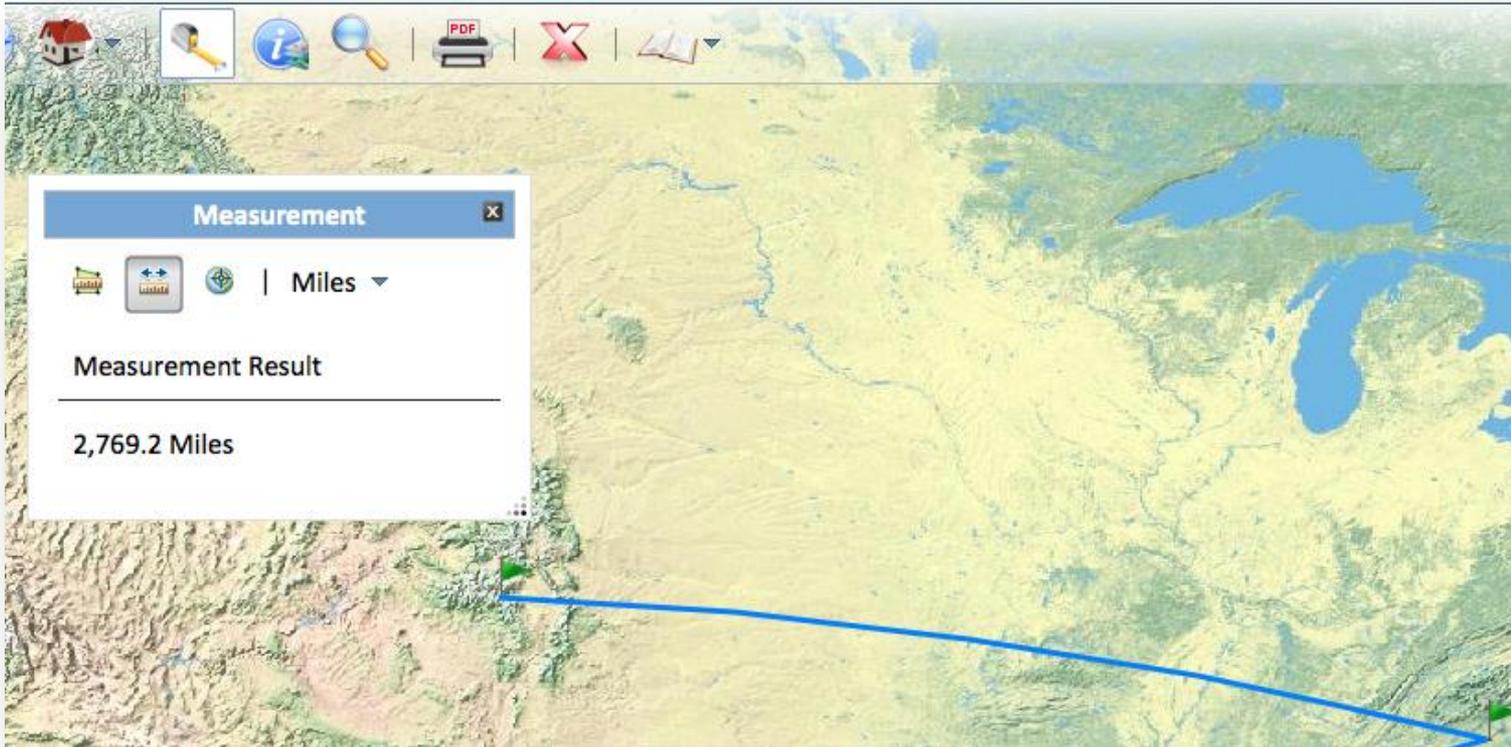
▸ Basemap

Using this button, the background layers can be changed. Several high resolution data sets are provided in the Basemap drop down list.



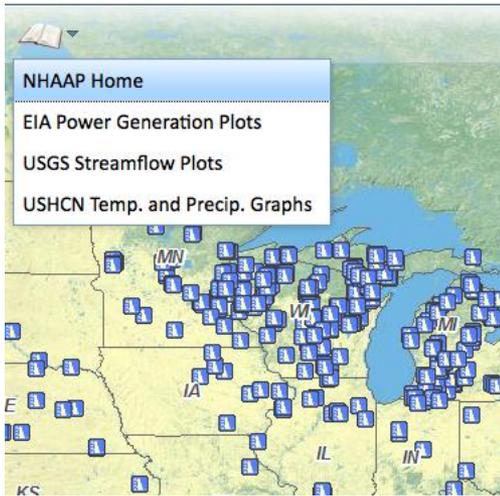
This button can be used to query the NHAAP data layers. The attributes of the NHAAP data layers will be displayed when using this tool.

Tool Bars



The measure tool can be used to calculate the distance between two points. To measure the distance, click on the map to locate the points between which the distance has to be calculated.

Additional information



Additional information such as link to the NHAAP portal, power generation plots, stream flow plots etc. can be accessed from this link.