

How to Use the AWIPS ADE v0.1 Hydrograph Capabilities

The hydrograph capabilities demonstrated in this readme may change in future releases of the AWIPS ADE. The look and feel will also be modified to resemble the D2D look and feel. The use of pop-up windows to display information will likely be removed in future releases of the AWIPS ADE.

- 1) Start up CAVE
- 2) Create new Hydrology editor by clicking on the life preserver icon on the toolbar.
- 3) The hydrology editor will appear with its own tab. Zoom into the Midwest region of the United States. The locations of the hydro gauges are denoted by little squares.
- 4) The map layer list is located in the lower right corner of the screen. Right click on the "../basemaps/Hydro/ahps_gage.shp" layer. Select the "Hover Text" option. Now when the cursor is hovered over a gauge location, the name of the gauge will appear next to the mouse arrow.
- 5) Double click on a gauge location. The "Hydrology Time Series Control" window will appear with the gauge that received the double click selected in the river gauge list.

Note: The Time Period selectors have no functionality at this time.

- 6) Finding a gauge location in the gauge list can be accomplished in 2 ways:
 - A) The search feature may be utilized. Using the radio buttons, select whether the search will use the gauge ID or the gauge name. In the search box, begin typing your search criteria. As characters are entered in the search box, the list will continually find the closest match.
 - B) With the "Hydrology Time Series Control" window still open, double click on a different gauge on the editor. The gauge will be automatically be located in the gauge list.

- 7) The parameter list shows the parameters with data available. Select a parameter.

Note: The available parameters and the data associated with them are randomly generated at this time.

- 8) Click the Graph button. A new window will appear displaying a graph of the information associated with the selected gauge and parameter.

- 9) Move the mouse over the graphing area. Note that the value under the mouse is displayed in the lower left corner.

- 10) A data point may be modified in two ways:

- A) Dragging a data point on the graph with the mouse pointer. This method is limited to modifying the range value.

- B) Double clicking the date in the data table. A window will pop up allowing modification of the domain or range value of the graph