**Bringing HydroDesktop Time Series Themes into ArcGIS**

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Bringing time series data from HydroDesktop to ArcMap is easy. After you’ve downloaded some time series data into a theme in HydroDesktop, follow these steps to create an animation of the data in ArcMap.

1. Export data from HydroDesktop:
   1. In HydroDesktop, on the **Table** tab, in the **Data Export** group, click **Export**.
   2. Select your theme, choose an output filename, and click **Export Data**. (You can leave the default settings with all fields checked and the comma delimiter checked.)
2. Open the data with Excel: (resolves quirk where ArcMap might not recognize date field)
   1. Double-click the text file that you exported from HydroDesktop to open with Excel, or start Excel and open the file is Excel is not your default CSV program.
   2. Save the file. Click **Yes** if prompted to keep the file in its current format.
   3. Close Excel. Click **No** if prompted to save changes to the file.
3. Add the file to ArcMap:
   1. In ArcMap, click the **File** menu, then point to **Add Data**, and then click **Add Data**.
   2. Browse to the text file that you exported from HydroDesktop and click **Add**.
4. Represent the file as point features:
   1. In the ArcMap table of contents, right-click the file that was added and click **Display XY Data**.
   2. Choose **Longitude** for the **X** field and **Latitude** for the **Y** field.
   3. Click **Edit** to assign the geographic coordinate system that those Latitude and Longitude coordinates are. If you know it, select it. Otherwise, **NAD 1983** (under Geographic Coordinate Systems | North America) is often a good choice for data in the USA.
   4. With the coordinate system set, click **OK**. Dismiss any warnings about Object-ID field that come up.
5. Enable time on the layer.
   1. For the point event layer that was just created (the layer, not the table), right-click the layer and click **Properties**.
   2. Click the **Time** tab, and place a check next to **Enable time on this layer**.
   3. Choose either **LocalDateTime** or **DateTimeUTC** as the **Time Field**.
   4. Set an appropriate **Time Step Interval** for the data.
6. Change the symbology of the layer.
   1. With the **Layer Properties** dialog still open, click the **Symbology** tab.
   2. On the left, click to show **Quantities**.
   3. Choose **DataValue** as the **Value Field**.
   4. Adjust the symbology as you see fit, and click **OK**.
7. Animate the map.
   1. In the **Tools** toolbar, click the **Open Time Slider Window** button .
   2. Use the time slider to animate the map through time.