

Saved Selections and Queries in AquaTwin

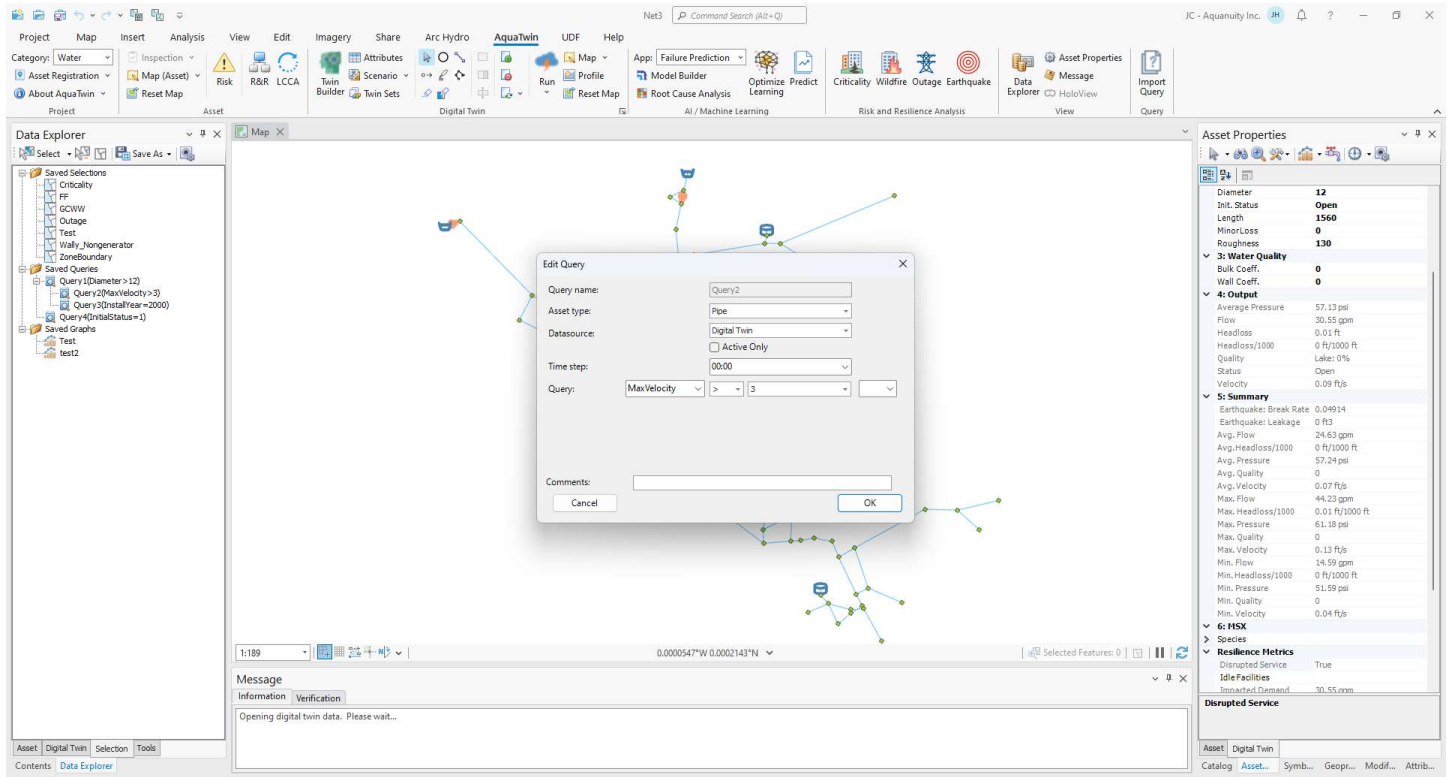


Figure 1: An example of a Saved Query in AquaTwin.

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Managing Domains

Asset domains are controlled using ArcGIS selections. Much of *AquaTwin's* functionality relies on ArcGIS selections such as global editing, viewing data, *AquaTwin* tools, etc. In addition to ArcGIS's selection tools, there are two ways in the [Selection \(Data Explorer\)](#) tab to make a selection using *AquaTwin* :

- Saved Selection
- Saved Query

Saved Selections

A saved selection is simply a way to save and execute a previously made ArcGIS selection. Once a selection is made in ArcGIS, whether that is a manual selection, Select by Attribute, Select by Location, etc., a user can save it to refer back to by clicking Save As (**Figure 2**) and naming the Saved Selection.

Double clicking on the Saved Selection will execute the selection in the map.

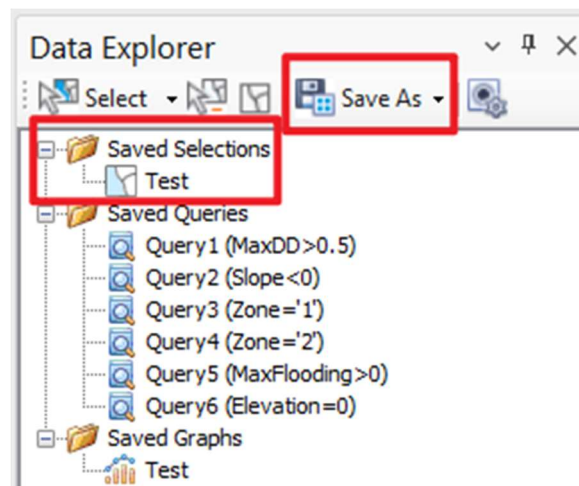


Figure 2: Where Saved Selections are stored and the location of the Save As button.

Saved Queries

A Saved Query is a way to make an ArcGIS selection by executing a detailed selection query. A Saved Query is more dynamic than a Saved Selection, since the query is being executed every time it is clicked on.

Two or more queries can be executed at once by creating a branch off an existing query and double clicking on the branch. For example, double clicking on Query2 in **Figure 3** would execute Query2 and Query1.

Saved Queries can also be used in the Scenario Manager to control which assets are active in a model.

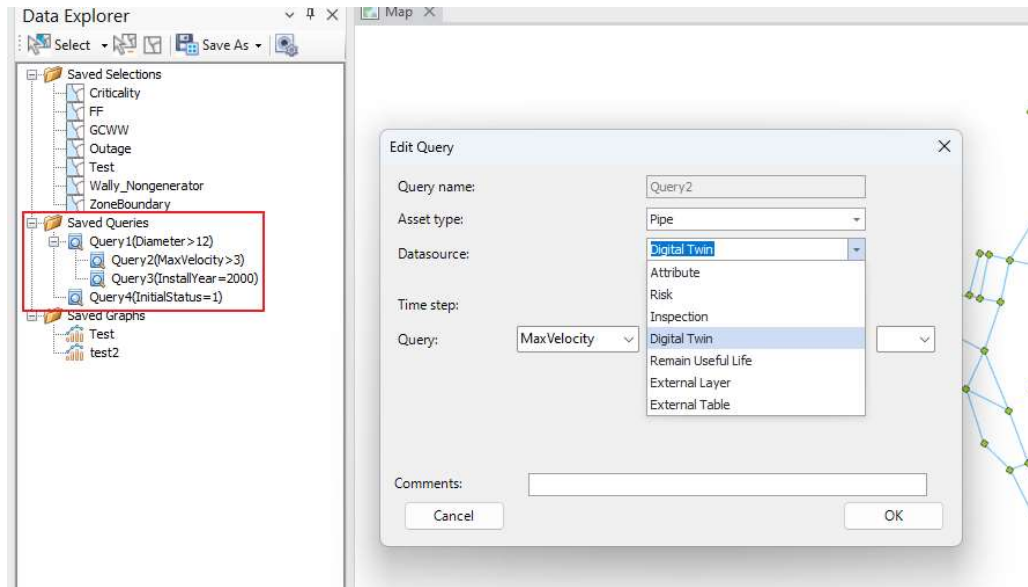


Figure 3: Example of setting up a Saved Query.

A query can be created for any asset type using the following data sources:

- Attribute
 - The attributes of from the AquaTwin asset’s feature class. See the Information fields document on how to use Information fields. The asset’s attributes can also be viewed in the [Asset \(Asset Properties\)](#) tab.
- Risk
 - The risk scores from an AquaTwin Asset analysis.
- Inspection
 - Inspection data from loaded CCTV.
- Digital Twin
 - Hydraulic model input and output data.
- Remaining Useful Life
 - The remaining useful life analysis from AquaTwin Asset.
- External Layer
 - Using a tabular or spatial selection from an external layer.
- External Table
 - Using a tabular selection from an external table.