DIVER Explorer Custom Queries

This document provides an introduction to building a Custom Query in DIVER Explorer.

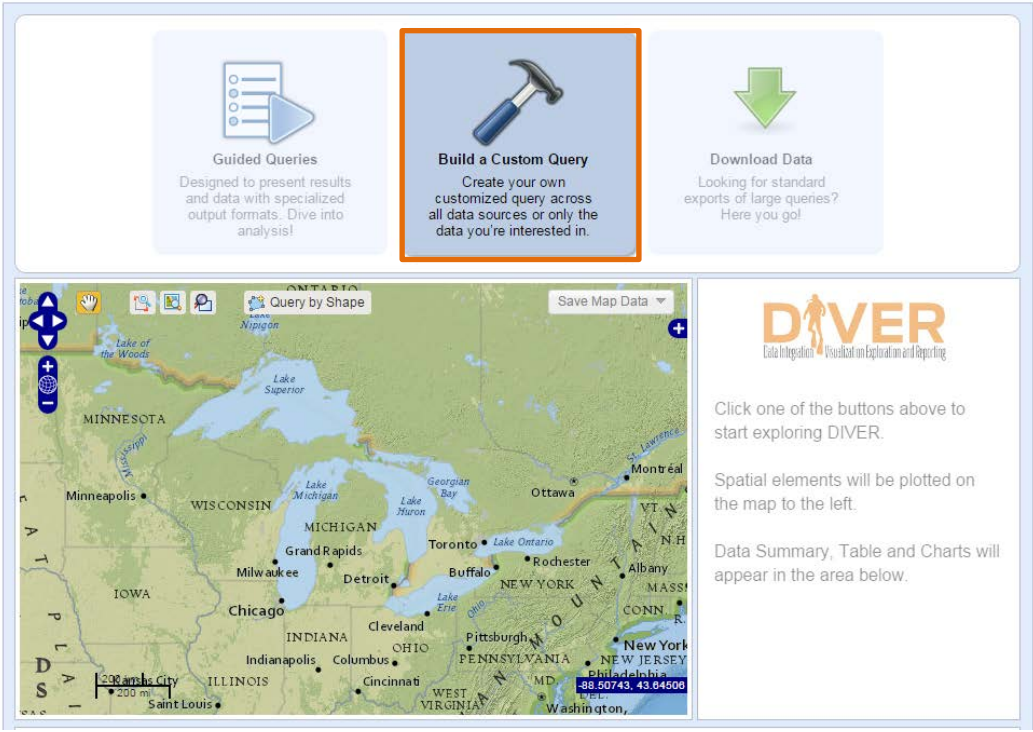
Custom Queries allow users to create and run individually tailored queries. The primary difference from Guided Queries is that users must specify all query filters using the **Edit Query Filters** interface.

Scenario

Accessing all samples collected in 2013. This query is not available in the Guided Queries menu, so a Custom Query is required.

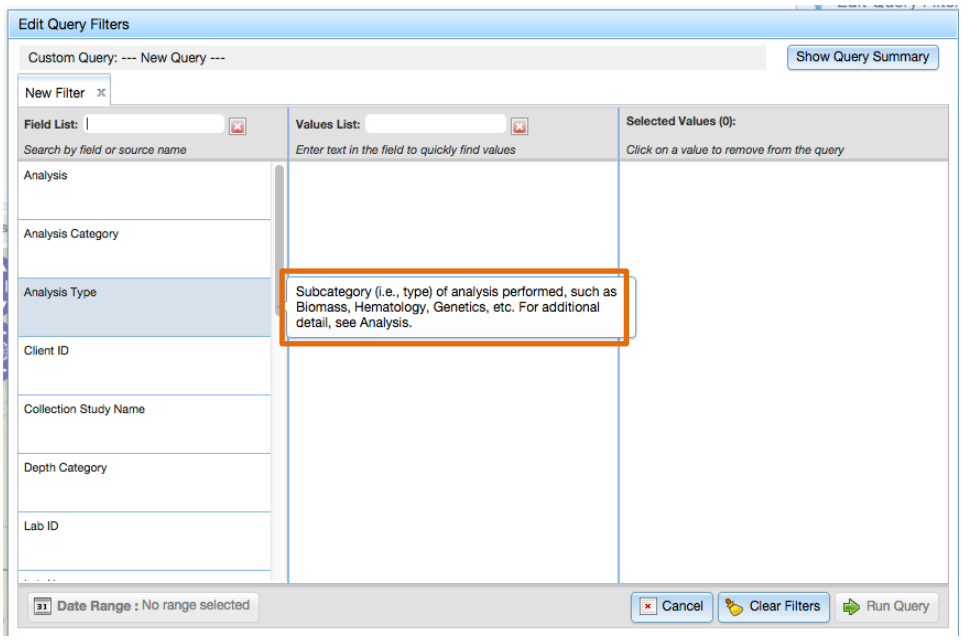
Procedure

1. Click **Build a Custom Query** on the DIVER Explorer initial screen.



2. Use data filters to build the query.

When building a Custom Query, initially no data filters are specified in the Edit Query Filters menu. Users must specify filters in order to develop and run the query. For information on what each filter field means, hover over it and a definition will appear to the right.

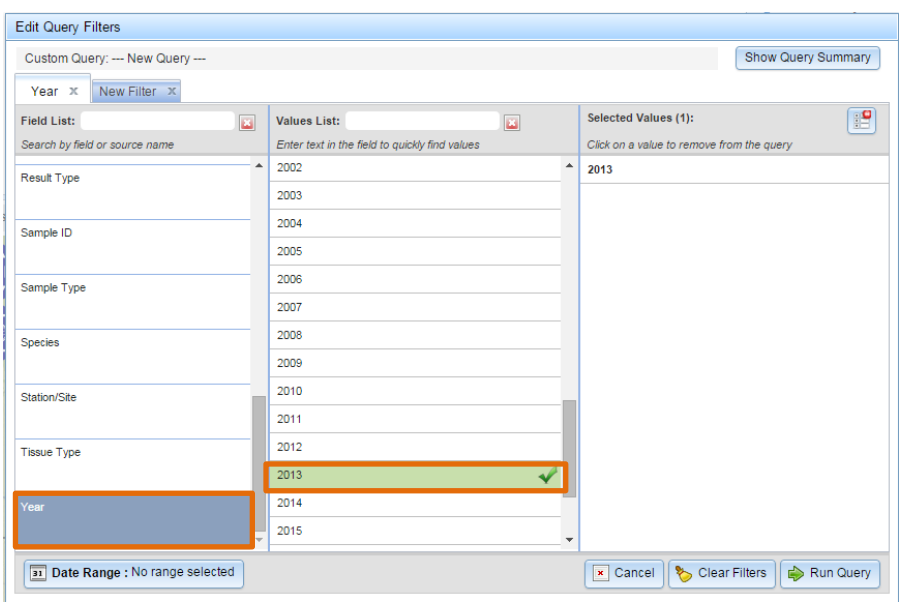


Add a Year Filter

Because this example filters by year, select **Year** from the **Field List** on the left, either by typing *Year* in the **Field List** textbox, or by scrolling down the list and clicking **Year** (as in the illustration below). The **Values List** is populated after selection of a filter field is made.

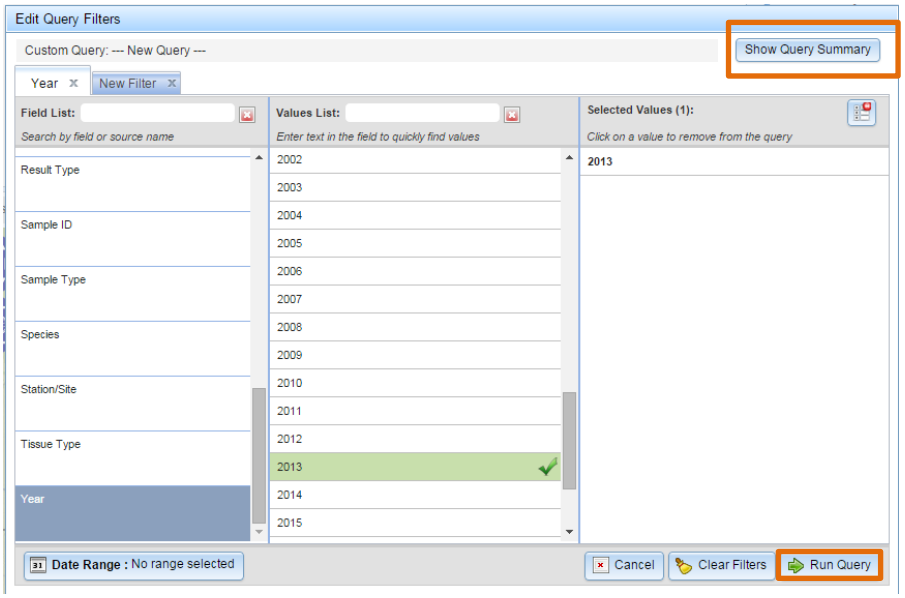
Select **2013** from the **Values List**. This adds it to the **Selected Values** and creates a **New Filter** tab, which appears at the top of the window, just to the right of the **Collection Matrix** tab.

Note: *Though this example selects only one value, it is possible to select multiple values from the values list.*



Review and Run Query

Review the query (optional step) to make sure the desired filters have been applied. To do this, click **Show Query Summary** to display a box that shows the current filters. Then, click **Run Query**.

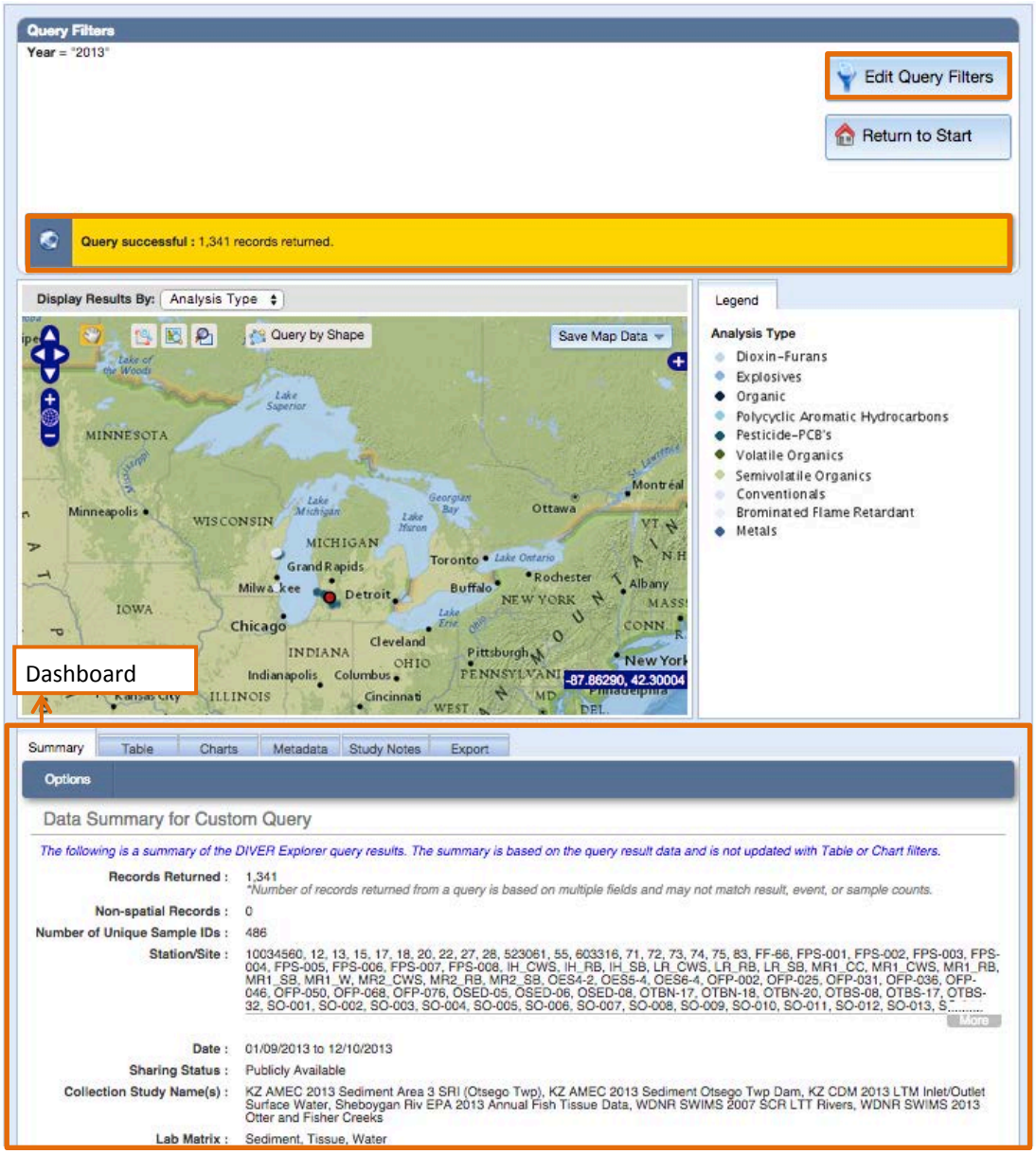


3. View query results.

When the query is complete, a notification appears above the map indicating that the query was successful, along with the number of records it returned. A data summary at the bottom of the screen provides high-level information about the query results.

Points on the map correspond to the location of one or many records, and in this case, samples that were collected in 2013.

If desired, refine the query using the **Edit Query Filters** button, make additional Field and Values selections, and click "Run Query" again.



Dashboard Information

At the bottom of the screen high-level information about the query results is presented in a dashboard approach. These tabs are interactive with the map and with each other, allowing users to explore the query results. The dashboard tabs are:

Summary: High-level information about the query results.

Table: Each row in the table represents a single record, and users can see where that record is located on the map by clicking that row in the table and looking for the red dot on the map.

Charts: The interactive charts present results in graphical form.

Metadada: Provides background information on the dataset, with information such as a query filters summary, field definitions, and the date as of which the data are current.

Study Notes: Provides information on the sample collection effort and lab analysis procedure.

Export: Allows users to download query results. For more details see the **Download** help materials.