

District of Saanich Tutorial: Simple Query



Contents

..... 1

- 1. Introduction..... 2
- 2. Launch Saanich Map..... 2
- 3. Using the Simple Query tool..... 3
- 4. Query Example – Municipal Trails 5

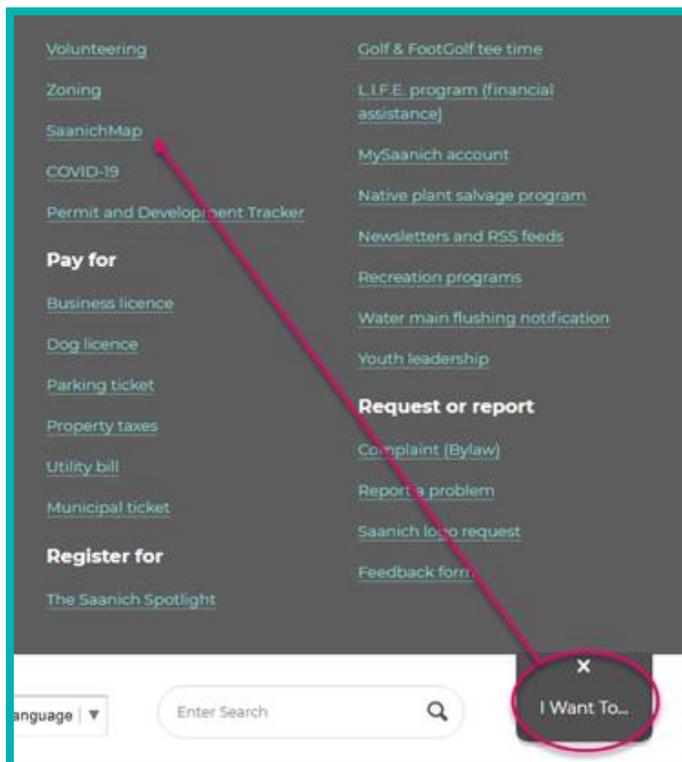
Revision 2
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June 16, 2023

1. Introduction

This guide outlines how to use the **Simple Query** tool to create subsets of data to answer specific questions. This tutorial shows how to create a simple query that searches the data in a single table and how to enhance the query by setting a spatial filter. This guide is part of a series of tutorials available to help users learn how to navigate SaanichMap.

2. Launch Saanich Map

Go to www.saanich.ca and in the 'I Want To...' menu, choose SaanichMap.



On the SaanichMap page you will find information about using the web map.

Click on the launch SaanichMap button.

The terms of use will open and when you click OK, the viewer will be available for use.

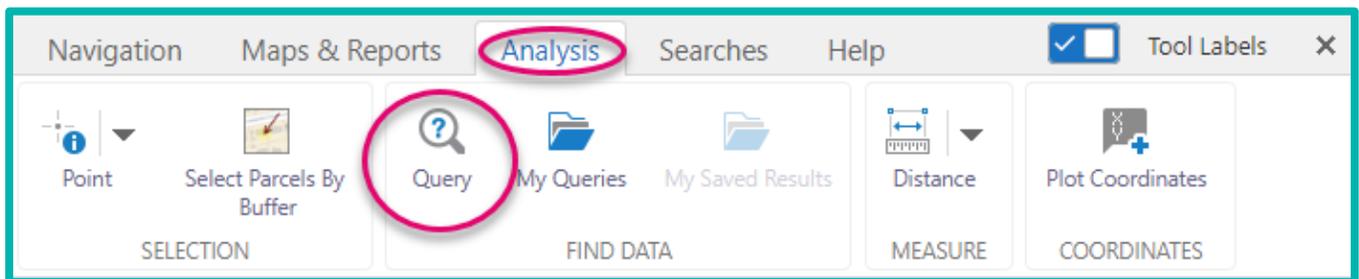


3. Using the Simple Query tool

The Simple Query tool gives you the ability to filter data to get specific results. You can build simple queries containing a single attribute or complex queries containing many attributes and/or spatial filters.

The **Simple Query** tool is in the **Advanced Toolbar**. Click on the tool icon found on the upper right-hand side of the map or double click the green banner to open the toolbar.

Navigate to the **Analysis** tab and click the **Query** tool.



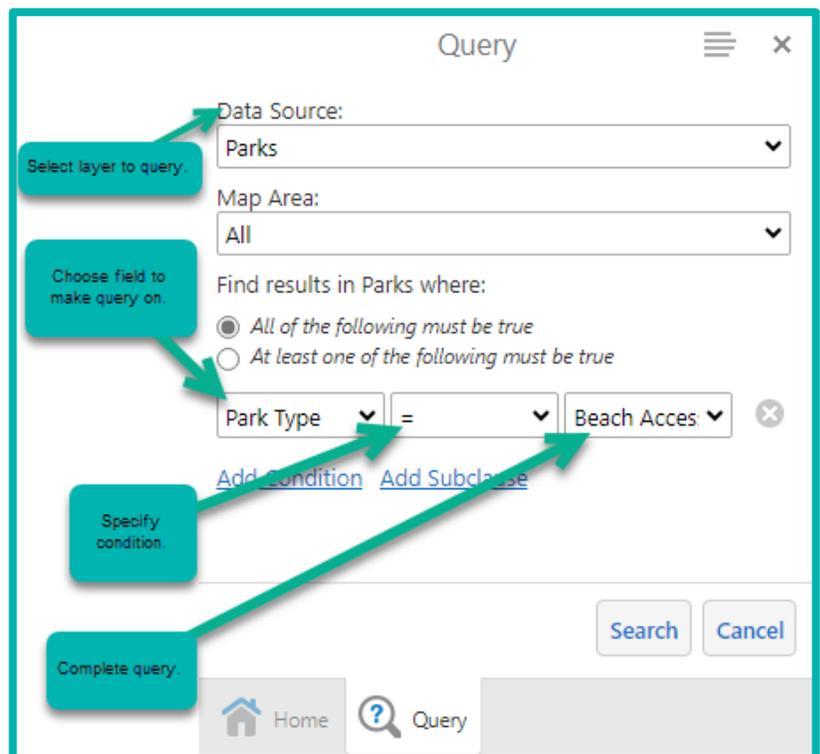
The query panel will open on the left side of the map.

Select the layer you want to query under Data Source.

Choose the field that you will make a query on from the drop-down list.

Specify a condition for the field, this will determine how the data is sorted. Options may include equal, not equal, contains, greater or less than, is null, starts with, and more.

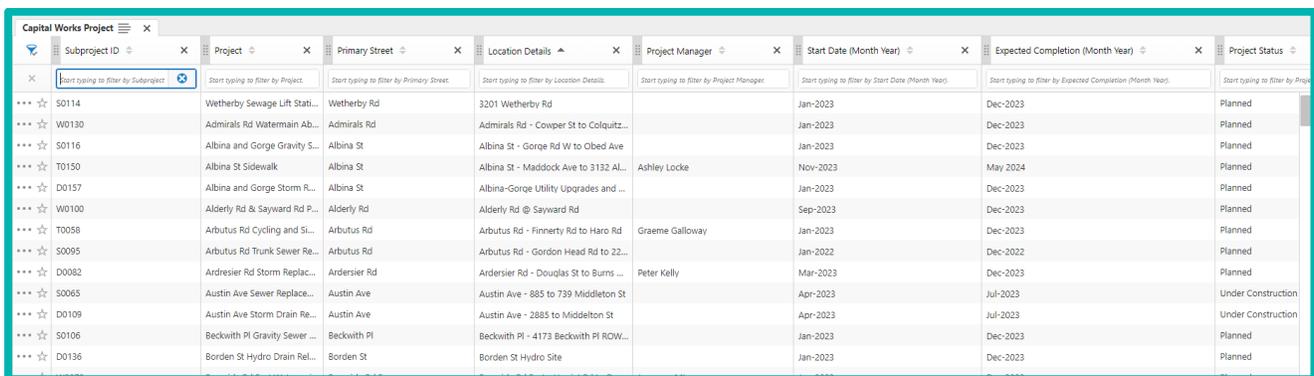
In the third box click to open the drop-down list and select a choice to complete a query. Certain conditions may need you to type to complete the query.



You can apply a spatial query by zooming to the area of interest and changing 'Map Area' from 'All' to 'Current Extent'. The query will now also only provide results within the current extent of the map.

You can query with multiple conditions by clicking **Add Condition** or **Add Subclause**. This allows you to apply conditions to multiple fields for the query results. You can specify whether both statements must be true or if at least one must be true. Adding a subclause is helpful once you start adding more than two conditions.

You can also press the Panel Actions Menu  and switch the results to table format. In table format you can view more details about the results. You also have the power to export and save the query results to CSV, XLSX, or Shapefile or save it to 'My Saved Results' in SaanichMap from the Panel Actions Menu.



Subproject ID	Project	Primary Street	Location Details	Project Manager	Start Date (Month Year)	Expected Completion (Month Year)	Project Status
S0114	Wetherby Sewage Lift Stati...	Wetherby Rd	3201 Wetherby Rd		Jan-2023	Dec-2023	Planned
W0130	Admirals Rd Watermain Ab...	Admirals Rd	Admirals Rd - Cowper St to Colquitz...		Jan-2023	Dec-2023	Planned
S0116	Albina and Gorge Gravity S...	Albina St	Albina St - Gorge Rd W to Olbed Ave		Jan-2023	Dec-2023	Planned
T0150	Albina St Sidewalk	Albina St	Albina St - Maddock Ave to 3132 AL...	Ashley Locke	Nov-2023	May 2024	Planned
D0157	Albina and Gorge Storm R...	Albina St	Albina-Gorge Utility Upgrades and ...		Jan-2023	Dec-2023	Planned
W0100	Alderly Rd & Sayward Rd P...	Alderly Rd	Alderly Rd @ Sayward Rd		Sep-2023	Dec-2023	Planned
T0058	Arbutus Rd Cycling and SL...	Arbutus Rd	Arbutus Rd - Finmerly Rd to Haro Rd	Graeme Galloway	Jan-2023	Dec-2023	Planned
S0095	Arbutus Rd Trunk Sewer Re...	Arbutus Rd	Arbutus Rd - Gordon Head Rd to 22...		Jan-2022	Dec-2022	Planned
D0082	Ardersier Rd Storm Replac...	Ardersier Rd	Ardersier Rd - Douglas St to Burns ...	Peter Kelly	Mar-2023	Dec-2023	Planned
S0065	Austin Ave Sewer Replac...	Austin Ave	Austin Ave - 885 to 739 Middleton St		Apr-2023	Jul-2023	Under Construction
D0109	Austin Ave Storm Drain Re...	Austin Ave	Austin Ave - 2085 to Middleton St		Apr-2023	Jul-2023	Under Construction
S0106	Beckwith Pl Gravity Sewer ...	Beckwith Pl	Beckwith Pl - 4173 Beckwith Pl ROW...		Jan-2023	Dec-2023	Planned
D0136	Borden St Hydro Drain Rel...	Borden St	Borden St Hydro Site		Jan-2023	Dec-2023	Planned

4. Query Example – Municipal Trails

Let's do an example query. We will use the query tool to see how many Municipal Trails in Saanich have handrails.

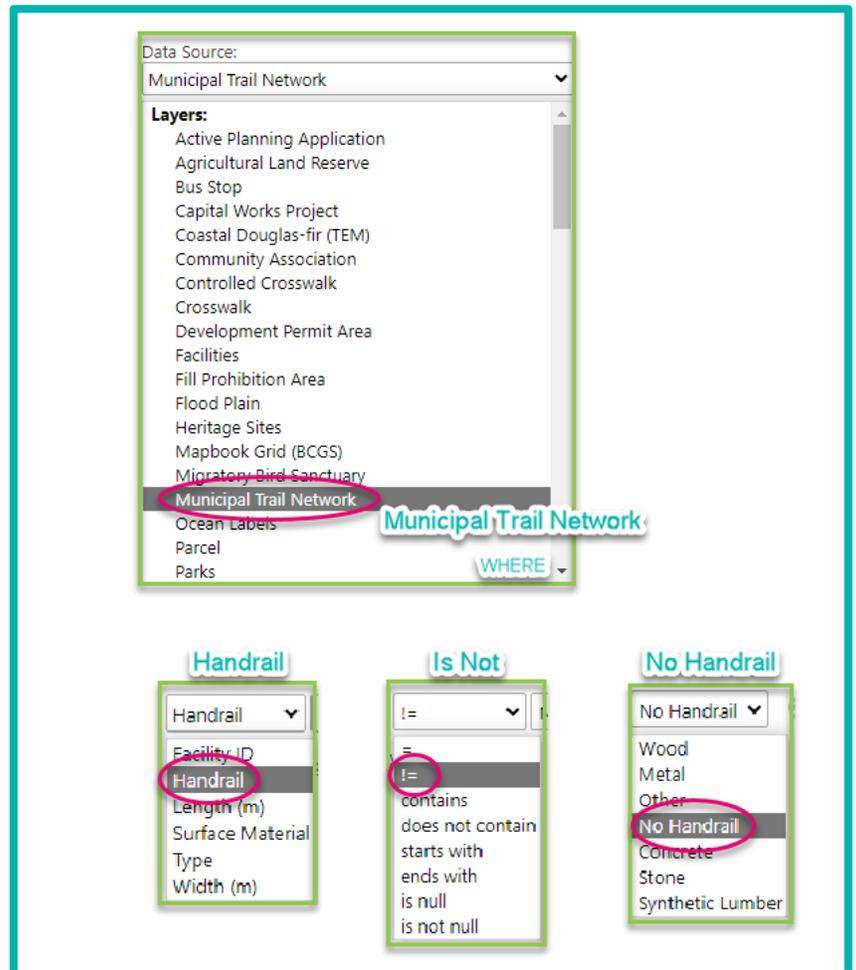
Select Municipal Trail Network as the data source.

For field, select Handrail from the drop-down menu.

There are several options for Handrail depending on its type of material. Rather than creating a long chain of clauses of 'Wood' OR 'Metal' OR, etc., we will choose NOT 'No Handrail'. This will select any feature where there is a Handrail.

Select the condition to be '! =' which means not equal.

Complete the query by selecting 'No Handrail' from the third drop-down.

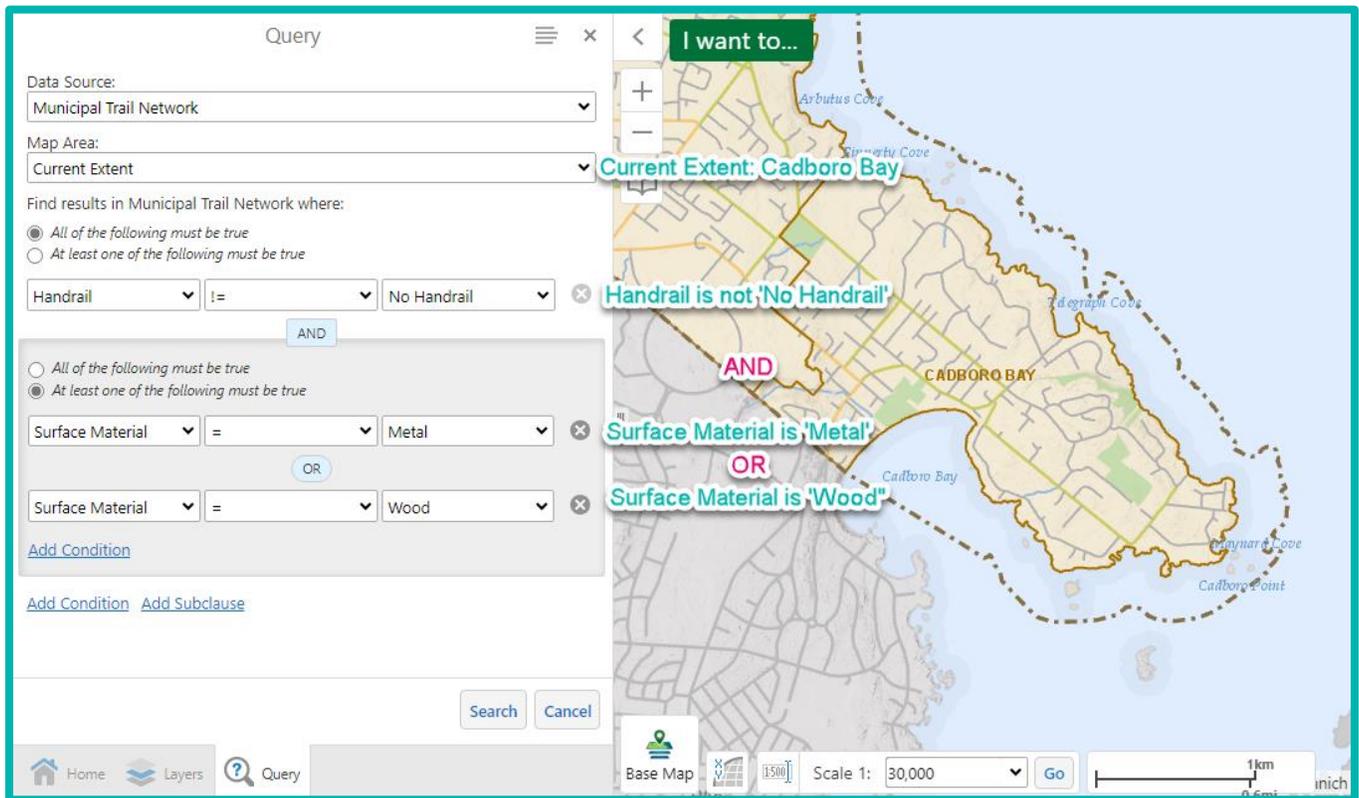


Press search and get results for the query. We get 133 Municipal Trails that have handrails.

Let's further refine this query. We will add a spatial search and a subclause.

We will look for trails with Surface Type 'Wood' or 'Metal' in Cadboro Bay. Navigate to Cadboro Bay, ensure the area of interest is in the display window. In the query, change Map Area from 'All' to 'Current Extent'. This will change the query to only look for results within the current map displayed.

We want either wood or metal trails so we will add a subclause. Having subclauses allows us to structure a query with multiple conditions such that for some both need to be true and for others either can be true: In other words, we can manipulate the conditions so that AND and OR are both present in the query. See this example.



We have queried the Municipal Trail Network to find trails with handrails AND that have either wood OR metal surface type. There are many different types of combinations you can create to find exactly the subset of data you need. This query returns that there are 10 wood or metal trails that have handrails in Cadboro Bay area.

How do I submit feedback or get assistance for SaanichMap?

Please email gis@saanich.ca or ask to speak with GIS staff at 250.475.1775
We are here to help!