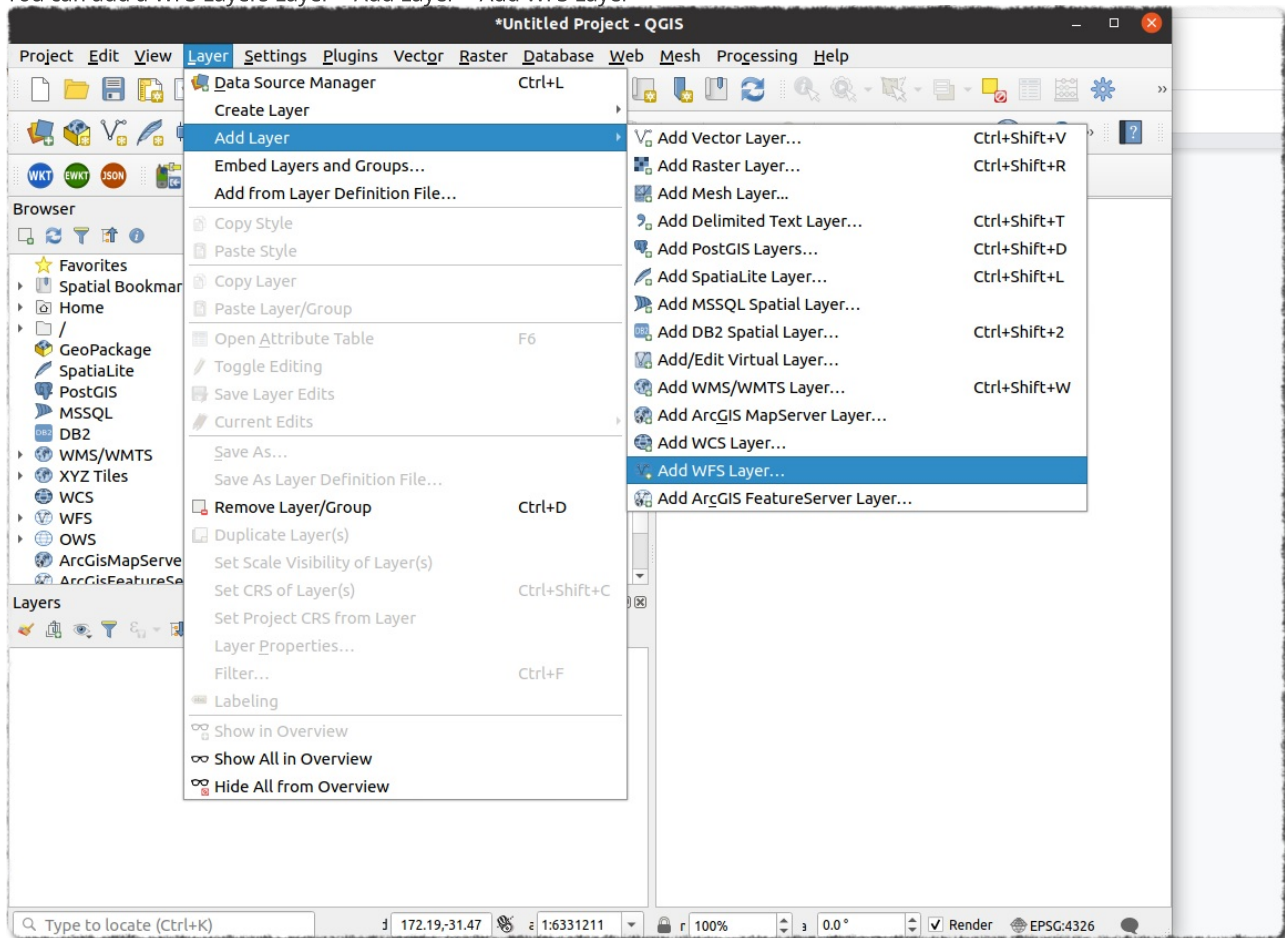


Accessing the Rappt.io map feeds with QGIS

Accessing layers

You can add a WFS Layers Layer > Add Layer > Add WFS Layer



Create a new Server Connection and enter the WFS URL in the format [described here](#)

`https://io.rappt.io/geo/trapnz-projects/wfs/apikey/project_id`

The WFS server is set to return a maximum of 10k features per request. If you have more than this number of features you must enable paging and set a page size less than 10,000. We recommend 5000.

Connection Details

Name

URL

Authentication

Configurations Basic

Choose or create an authentication configuration

No authentication

Configurations store encrypted credentials in the QGIS authentication database.

WFS Options

Version

Max. number of features

☒ Enable feature paging

Page size

☐ Ignore axis orientation (WFS 1.1/WFS 2.0)

☐ Invert axis orientation

Save and then click Connect to see the available layers:

Data Source Manager | WFS

Server Connections

Trao NZ WFS

Filter

Title	Name	Abstract	Sql
my-projects-traps	trapnz-projects:my-projects-traps	All traps from the ...	
my-projects-trap-records	trapnz-projects:my-projects-trap-records	All trap records fro...	
my-projects-monitoring-stations	trapnz-projects:my-projects-monitoring-s...	All monitoring stat...	
my-projects-lines	trapnz-projects:my-projects-lines	The project lines fr...	
my-projects-bait-stations	trapnz-projects:my-projects-bait-stations	All bait stations fr...	
my-projects	trapnz-projects:my-projects	The project polygo...	
default-project-traps	trapnz-projects:default-project-traps	All traps from the ...	
default-project-trap-records	trapnz-projects:default-project-trap-reco...	All trap records fro...	
default-project-monitoring-stati...	trapnz-projects:default-project-monitori...	All monitoring stat...	
default-project-lines	trapnz-projects:default-project-lines	The project lines fr...	
default-project-bait-stations	trapnz-projects:default-project-bait-stati...	All bait stations fr...	
default-project	trapnz-projects:default-project	The project polygo...	

☐ Use title for layer name

☒ Only request features overlapping the view extent

Coordinate Reference System

EPSG:4326

You can then add individual or groups of layers to the map.

Filtering records

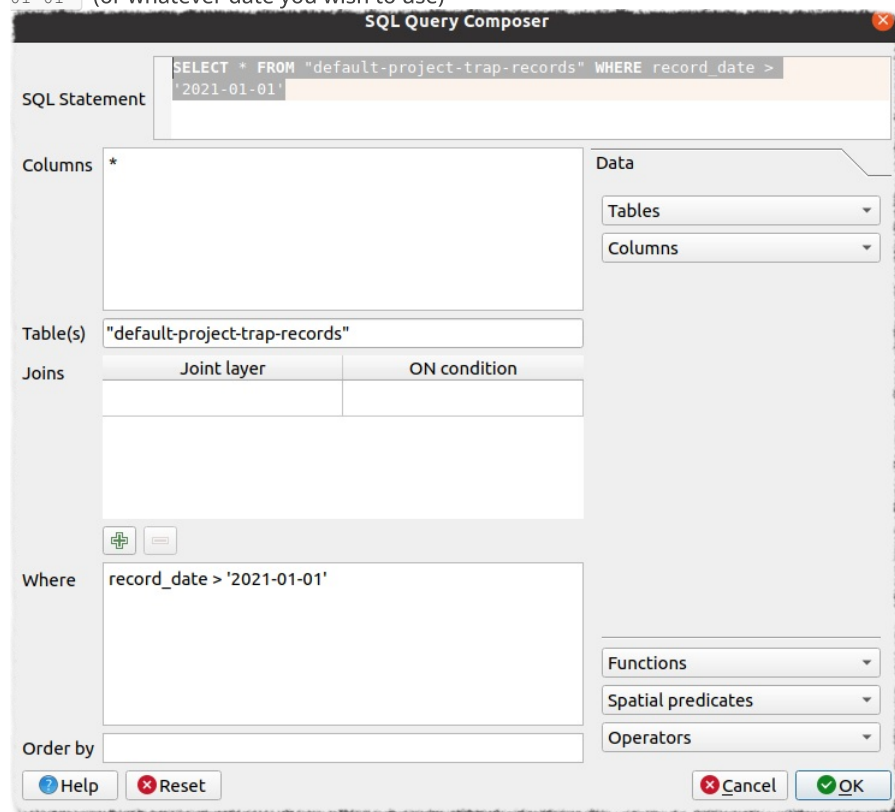
You can add a CQL filter to a WFS connection to filter features from the WFS server. This can greatly reduce the amount of data retrieved (speeding up the transfer and improving performance).

For example - if you are only interested in this year's records, you could add a CQL filter to build the query as a filter before loading the layer from the server.

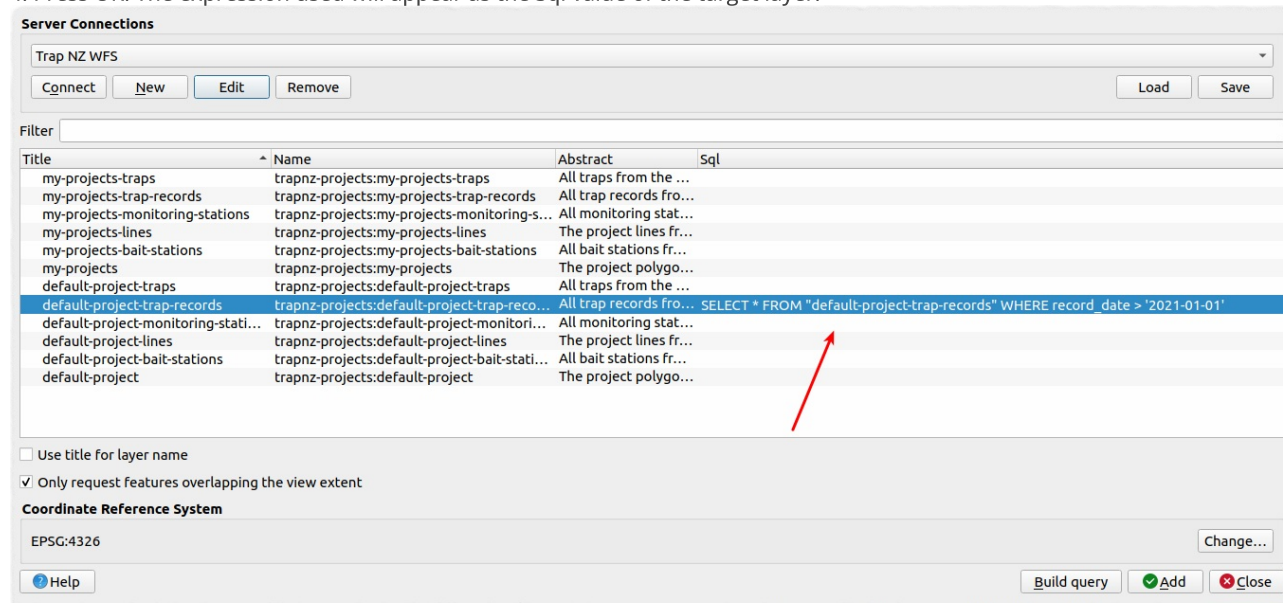
1. Connect to the server as above to see the list of available layers.

2. Select the layer you want to query (e.g. default-project-trap-records) and click the Build query button

3. In the dialog that appears, enter the following `SELECT * FROM "default-project-trap-records" WHERE record_date > '2021-01-01'` (or whatever date you wish to use)



4. Press OK. The expression used will appear as the Sql value of the target layer:



When you add the layer now, only the filtered records (features) will be loaded.

Revision #2

★ Created 15 December 2021 23:19:46 by Daniel Bar-Even

✎ Updated 8 July 2024 02:12:18 by Cosmos