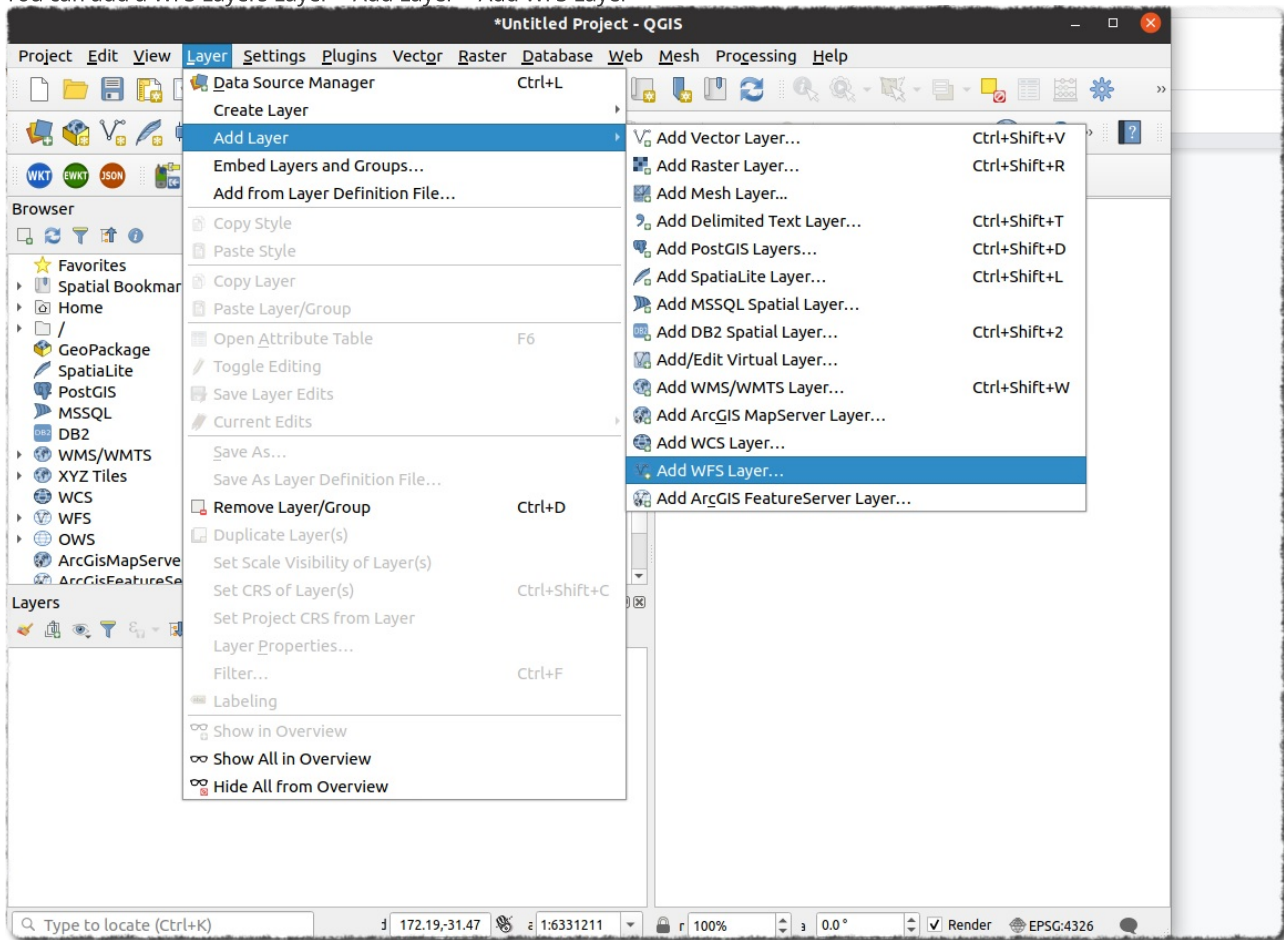


Accessing the Trap.NZ map feeds with QGIS

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.trap.nz/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

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

 Help  Cancel  OK

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

 Help  Close

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

Filtering records

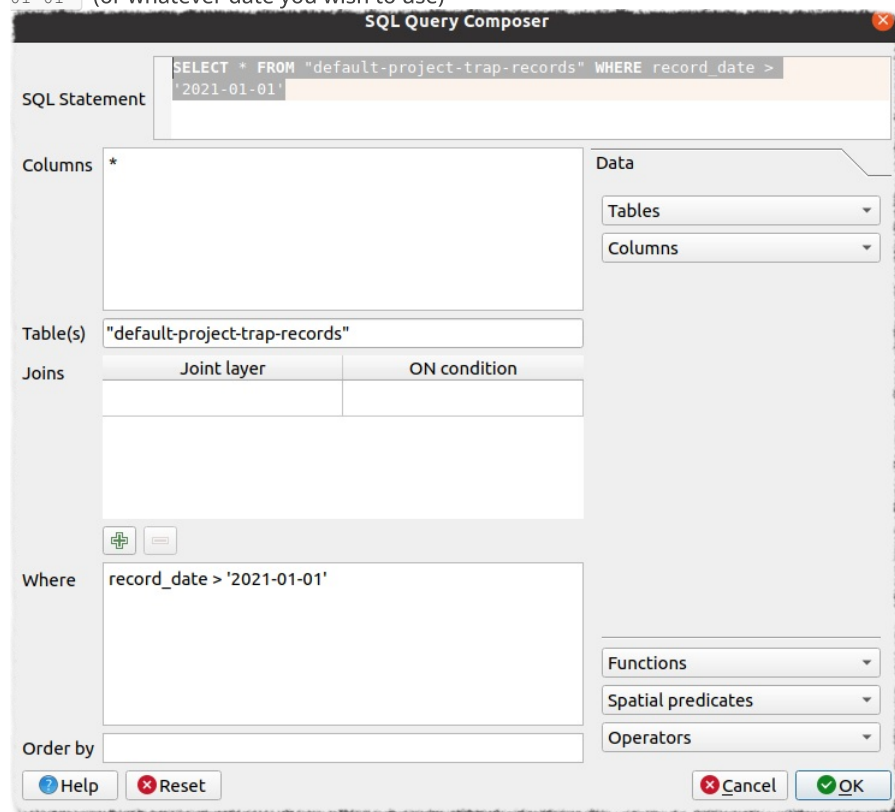
You can add a CQL filter to a WFS connection to filter features from the WFS server. This can greatly reduce the amount of data retrieved (speeding up the transfer and improving performance).

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.

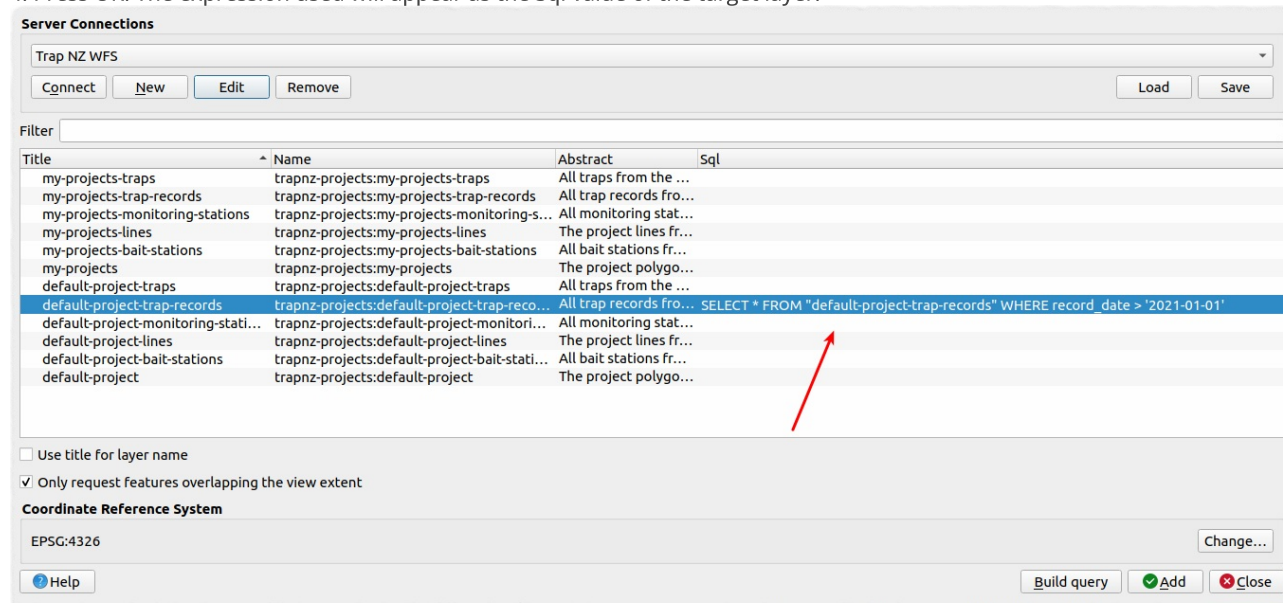
1. Connect to the server as above to see the list of available layers.

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 #1

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

✎ Updated 16 December 2021 01:22:36 by Daniel Bar-Even