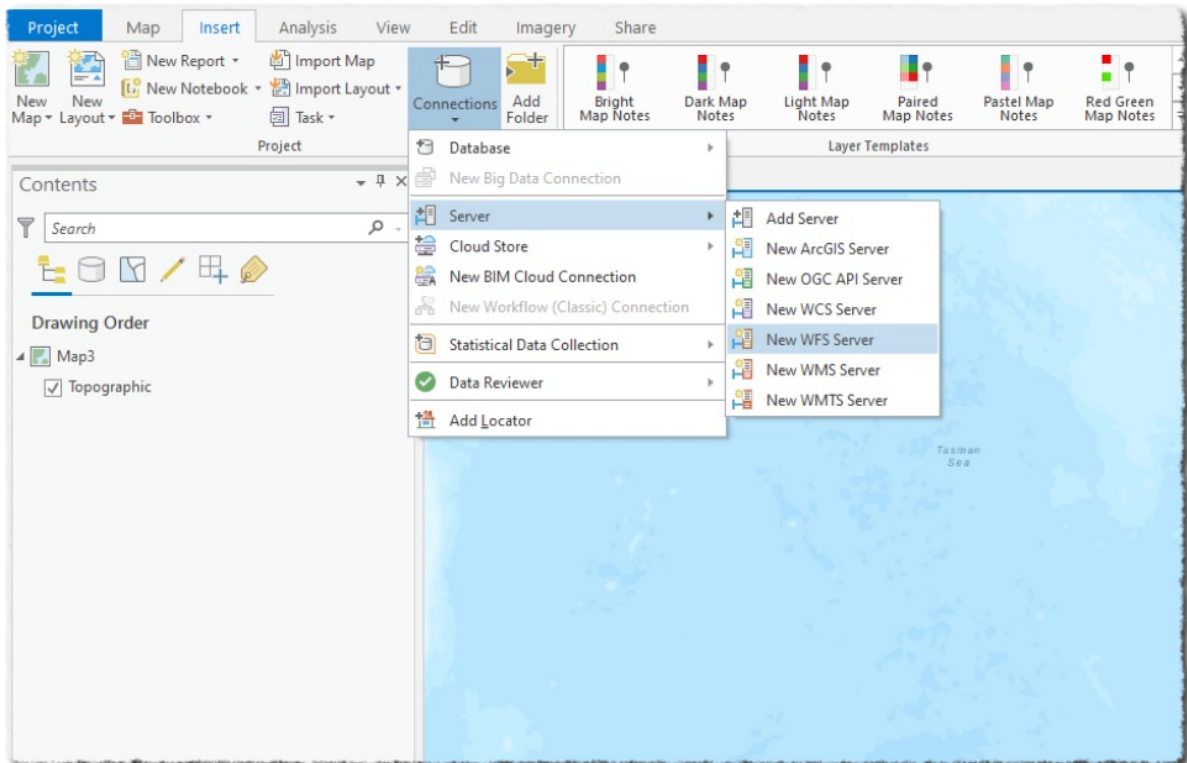


Accessing the Rappt.io map feeds with ArcGIS

Accessing layers

1. You can add a new WFS Server via Connections > Server > New WFS Server:

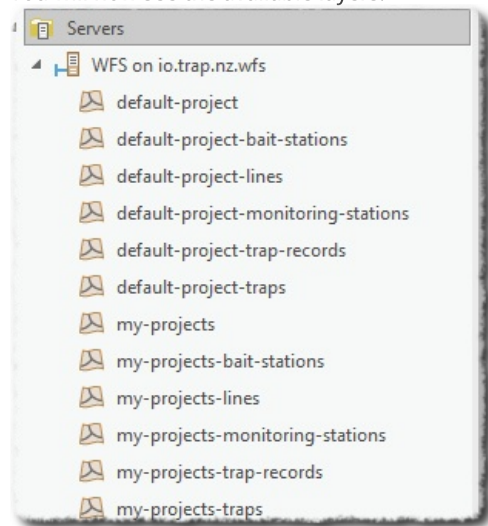


2. Enter the WFS URL in the format as [described here](#)
`https://io.rappt.io/geo/trapnz-projects/wfs/apikey/project_id`
3. The WFS server is set to return a maximum of 10k features per request. Therefore you must set a page size value smaller than that. We suggest 5k to begin with. Add a custom request parameter of PAGESIZE, with a value of 5000
4. Leave the Authentication options blank (we are using the API key to control access)

A screenshot of the 'Add WFS Server Connection' dialog box in ArcGIS. The 'Server URL' field contains the URL 'https://io.trap.nz/geo/trapnz-projects/wfs/'. Below it, 'Examples' are provided. The 'Version' is set to 'Default version'. Under 'Custom request parameters', a table shows 'PAGESIZE' with a value of '5000'. There are 'Add Row' and 'Remove Row' buttons. The 'Authentication (Optional)' section has fields for 'User Name' and 'Password', and two radio buttons for saving credentials. 'OK' and 'Cancel' buttons are at the bottom right.

Parameter	Value
PAGESIZE	5000

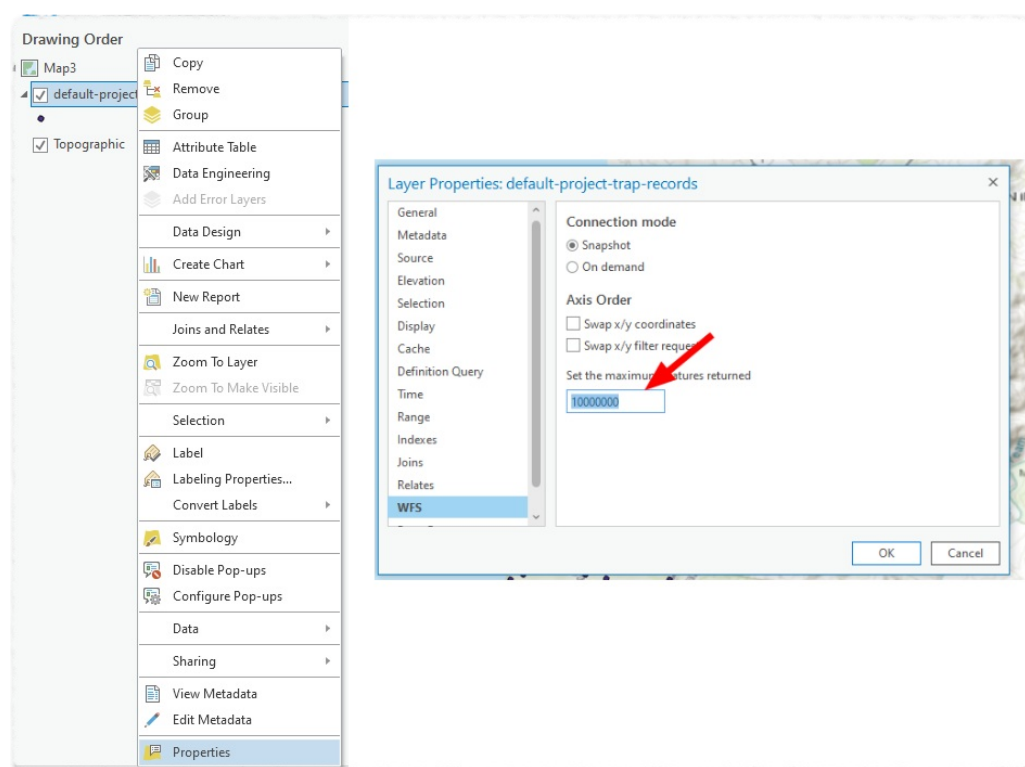
You will now see the available layers:



Working with the layers

Right-click or drag the layer to the map to see the features.

Note that, by default, ArcGIS only shows a maximum of 3000 features in the WFS layer. To change this, right-click the layers, select properties and then set the maximum features to something well above what you expect should be returned.



Filtering records

You can add a **CQL filter** to a WFS connection to filter features from the WFS server. This can be achieved by adding this parameter to the Custom request parameters - which 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 as a Custom request parameter

WFS Server Connection Properties: WFS on io.trap.nz.wfs

General

Name: WFS on io.trap.nz.wfs

Server URL: https://io.trap.nz/geo/trapnz-projects/...

Examples: http://gisserver.example.com/arcgis/services/SampleWorldCities/MapServer/WFSServer?
http://gisserver.example.com:8080/geoserver/ows?

Version: 2.0.0

Custom request parameters

Parameter	Value
PAGESIZE	5000
SWAPXY	FALSE
SWAPXYFILTER	FALSE
cql_filter	record_date %3E '2021-01-01'

Add Row Remove Row

Authentication (Optional)

User Name:

OK Cancel

Add cql_filter as Parameter, and record_date %3E '2021-01-01' as Value.

Note: symbols such as '<' and '>' need to be URL encoded, hence the %3E in place of >

Revision #3

★ Created 15 December 2021 20:22:23 by Daniel Bar-Even

✎ Updated 8 July 2024 02:11:49 by Cosmos