

Using Permit Webmaps

Permit Webmaps Overview

New Zealand Petroleum & Minerals produces two web map applications, through which the public can view permit information.

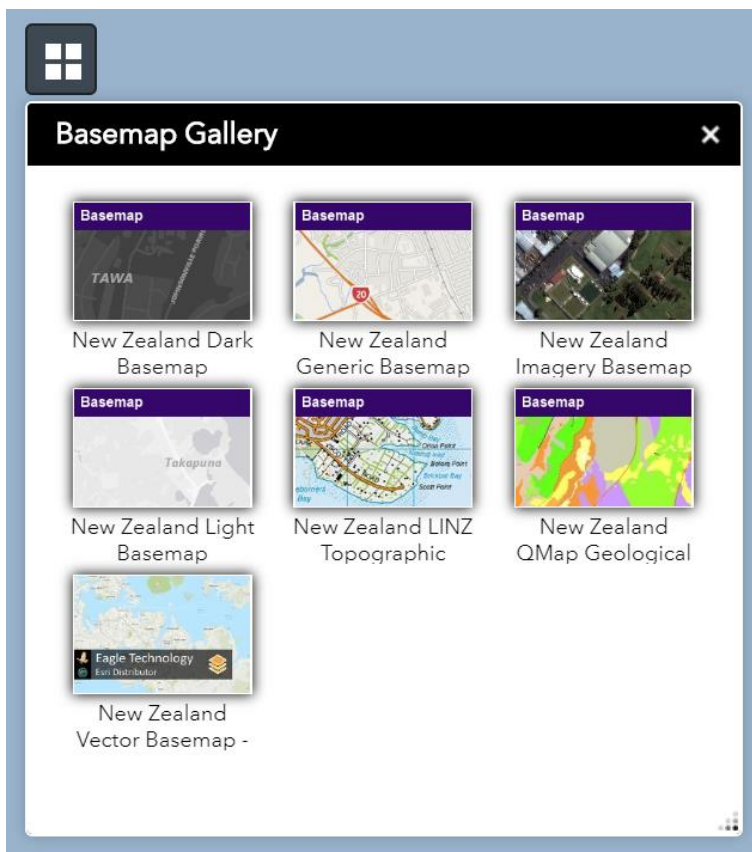
Petroleum - <https://data.nzpam.govt.nz/permitwebmaps/?commodity=petroleum>

Minerals - <https://data.nzpam.govt.nz/permitwebmaps/?commodity=minerals>

The webmaps display all current permits, applications, and tenders for petroleum and minerals respectively; the petroleum webmap also shows petroleum wells. The webmaps are kept up to date by our permit registry system and GIS database.

Compatibility

Permit Webmaps are JavaScript based applications and work best on Google Chrome, Firefox and the latest version of Internet Explorer. Permit Webmaps also work on Apple and Android devices.



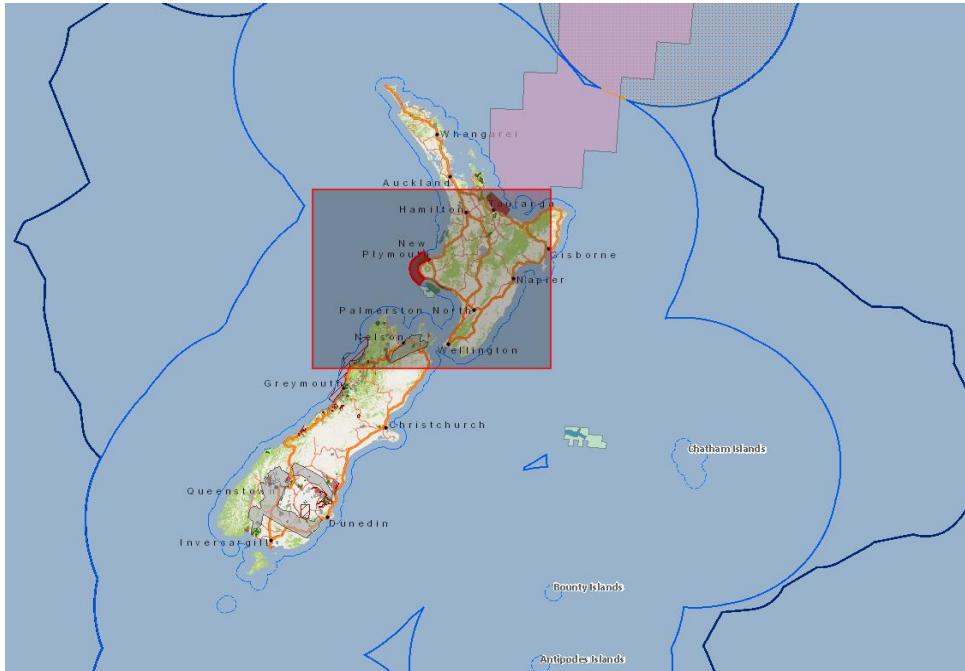
Basemaps

You can change the underlying map of Permit Webmaps through the Basemap Gallery menu. The menu can be accessed by clicking the icon in the top left of the image opposite.

Navigation

Use the mouse wheel or the plus and minus buttons to zoom the map in or out, or double click on an area of interest. Click, hold and drag the mouse to pan the map.

To zoom to a particular area hold down the 'Shift' button and click, hold, and drag a rectangle with your mouse to select the area you want to zoom to.



The forward and back arrows on the lower left hand side allow you to navigate through the views you have zoomed or panned the map to. The plus and minus symbols will zoom the map in and out. To return to the full extent of the map, click on the Home icon as shown opposite.

Map content

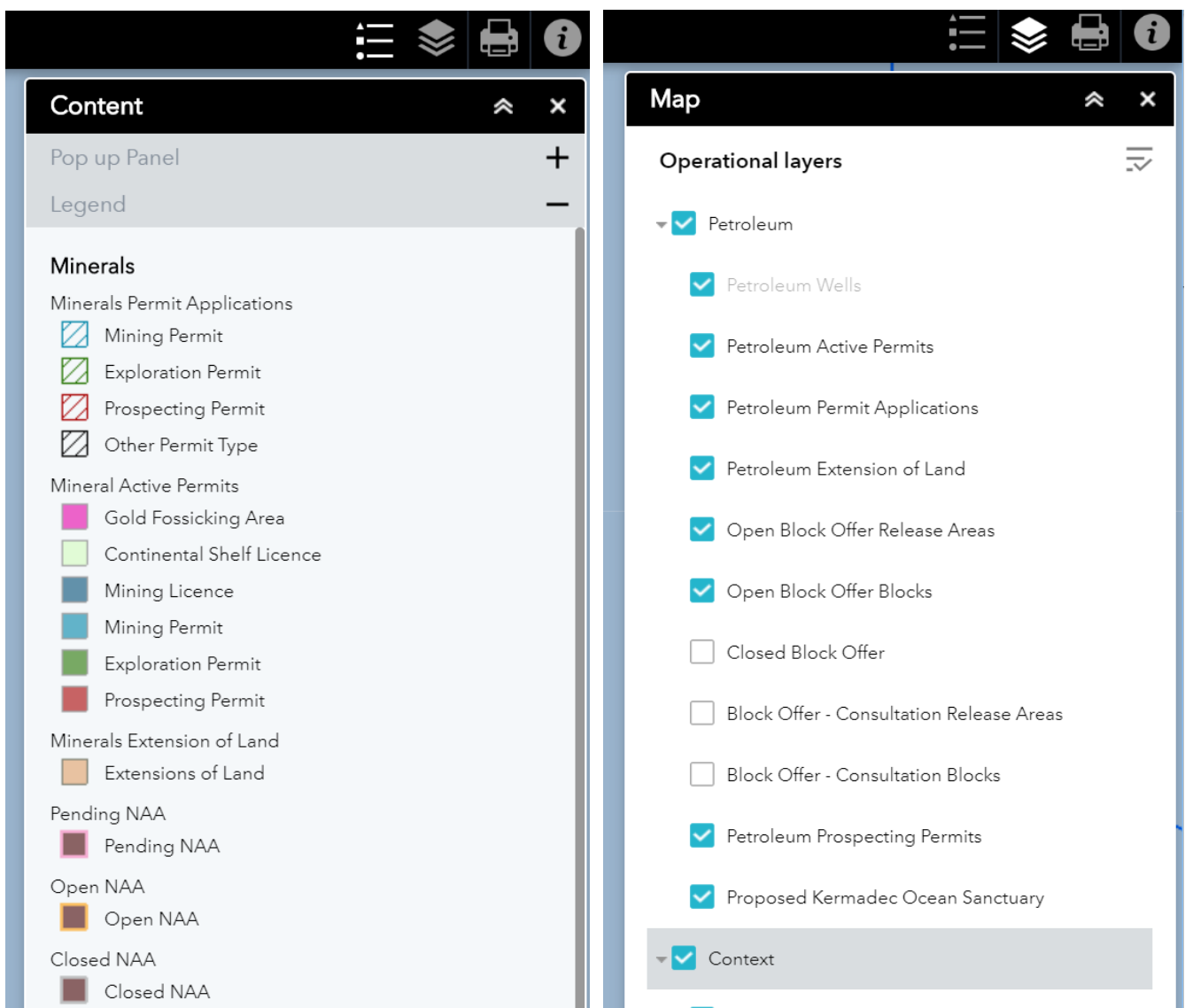
Legend and Pop up Panel

The Legend and Pop up Panel are visible by default on the right hand side of the map. The panels can be expanded or collapsed as needed; the Pop up Panel is collapsed in the image below. The legend shows the symbols used to represent different features within the map.

The Pop up Panel displays the details of a selected permit or feature. If no feature is selected, the panel will appear blank. Note that if you select a feature while the panel is collapsed, it will not expand automatically; you will have to expand the panel (by clicking the '+' symbol) in order to see the details of the selected feature.

Layers

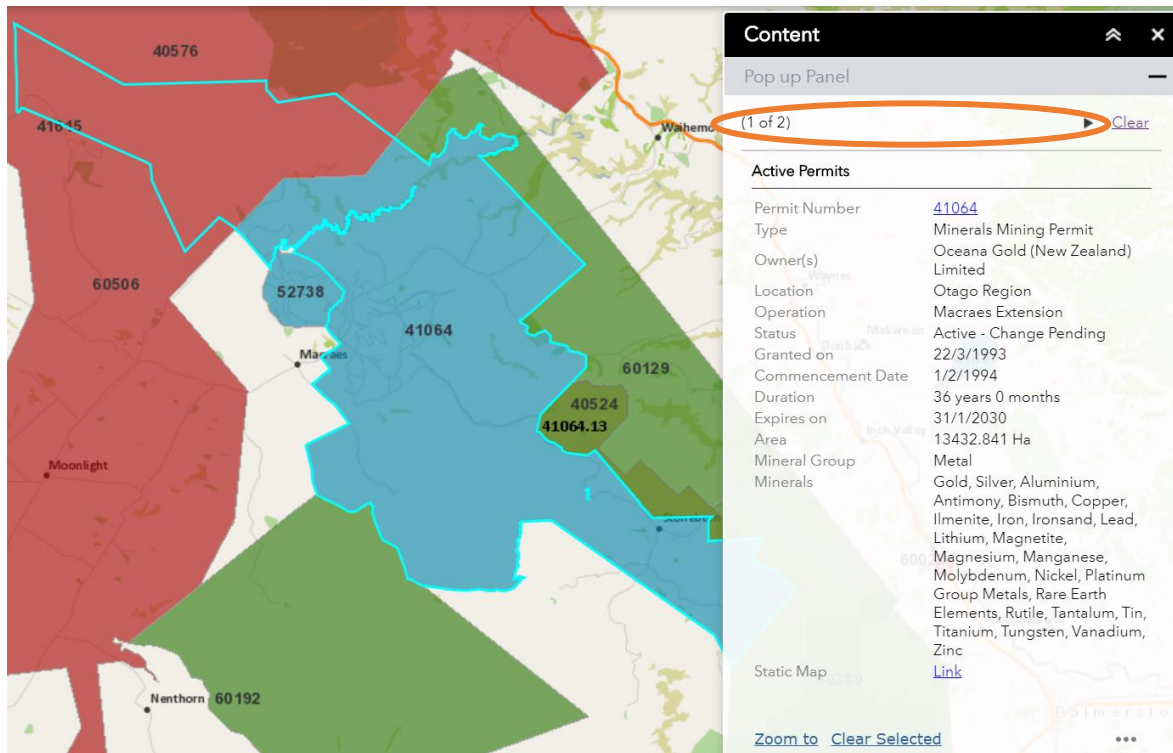
The Operational Layers menu can be used to change the data layers visible in the webmap. Some layers are off by default, such as the territorial authorities, while others, like the petroleum wells, are scale dependent and will only appear when you zoom in to a certain level.



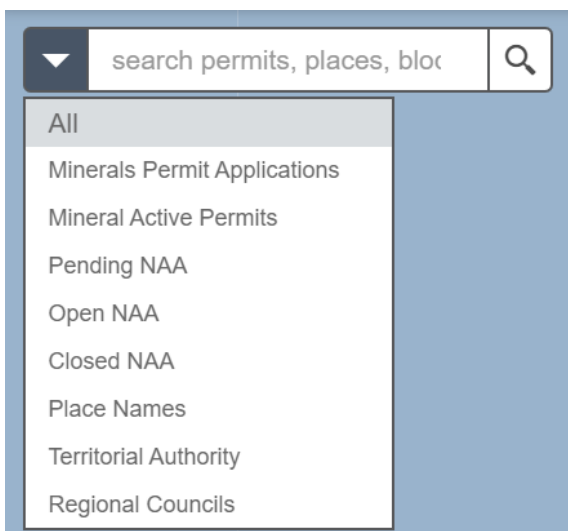
Querying and Consuming Map Data

Viewing item details

You can view the details of a permit, application, or other feature by clicking on that feature in the map. The feature attributes will appear in the Pop up Panel on the right hand side of the map. If the area you click contains multiple features, the arrow near the top of the Pop up Panel will let you view the next result.



Search Bar



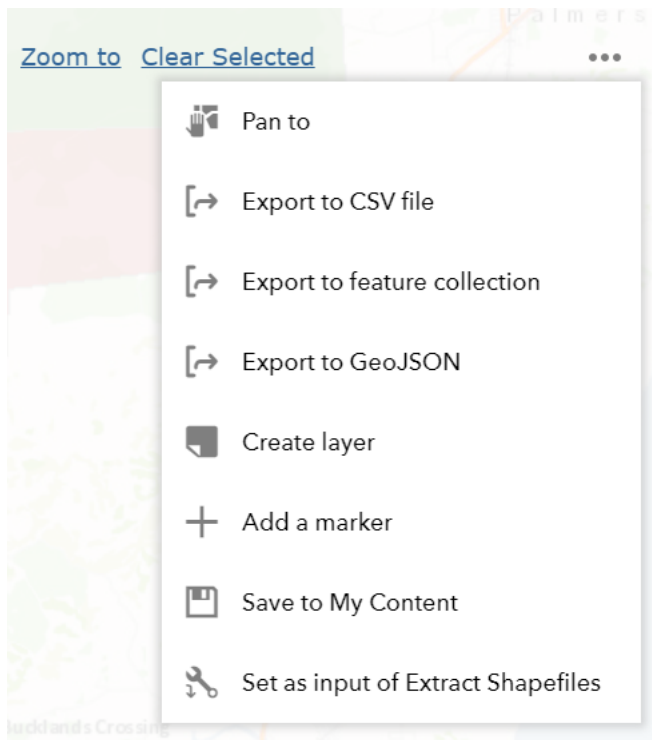
The Search Bar at the top of the map lets you search for any map content; including permit numbers, company or operation name, minerals, well names, local authorities and place names.

You can search within a specific layer using the drop-down menu beside the search bar.

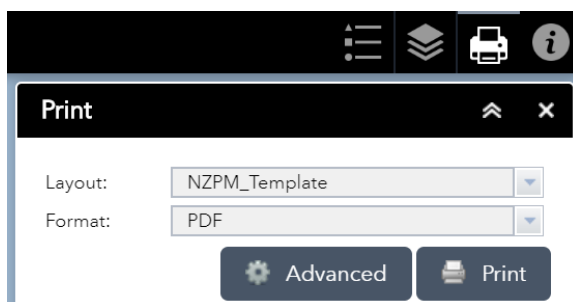
Search results will appear in the Pop up Panel.

Using the Pop up Panel

From the Pop up Panel (see image, page 4), you can click on the blue permit number to launch a new browser tab containing more detailed information about the permit, including permit certificates. You can also use the Static Map link to generate a printable map of the permit (see 'Printable Maps' section below). The three dots in the bottom right of the Pop up Panel will open a menu of additional actions, such as exporting the selected permit information to CSV or JSON format.

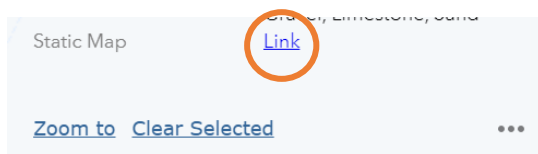


Printable Maps



Click the printer icon in the upper right of the webmap to generate a printable version of the current map view. You can choose from a range of map templates and file formats.

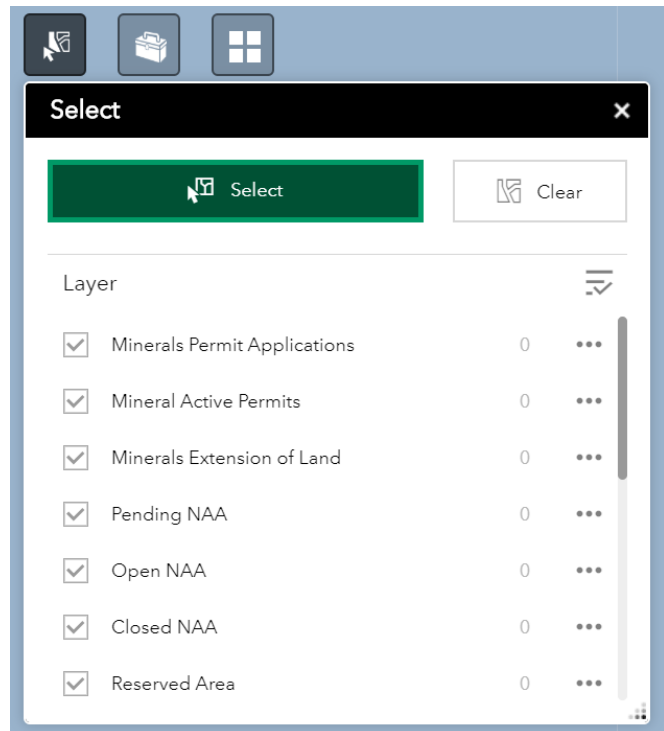
To print a map of a single permit, along with details of that permit, select the permit in the map and then click the Static Map link at the bottom of the Pop up Panel. A new browser tab will launch showing a static map of the selected permit.



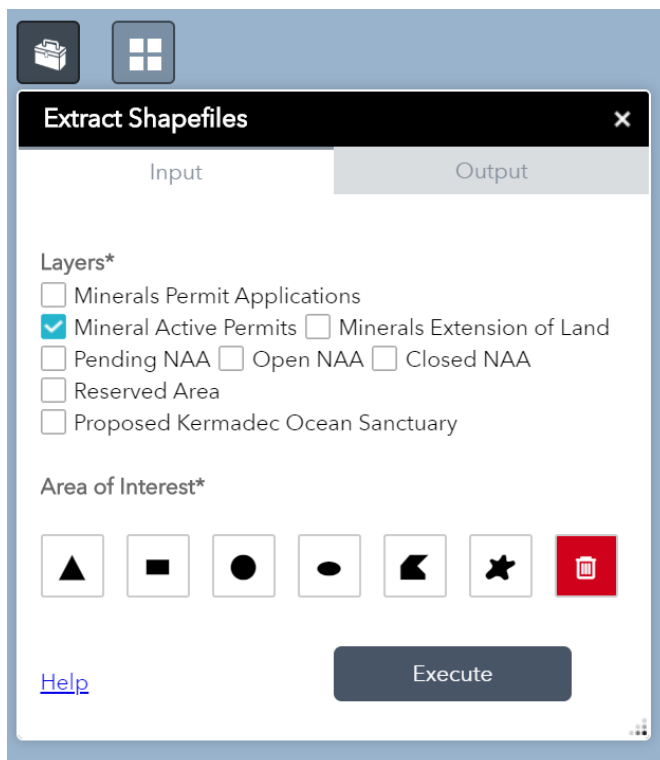
Select Data

The Select tool in the upper left of the webmap allows you to select features within one or more specified layers. Specify the layer(s) you want to query and click and drag across an area of interest to select all features.

Once you have made a selection, click the three dots on the right hand side of the Select menu to display available actions for the selected features. Available actions include zooming or panning to the selected features, generating statistics for the selection, and setting the selection as the input for the Extract Shapefiles tool (see below).

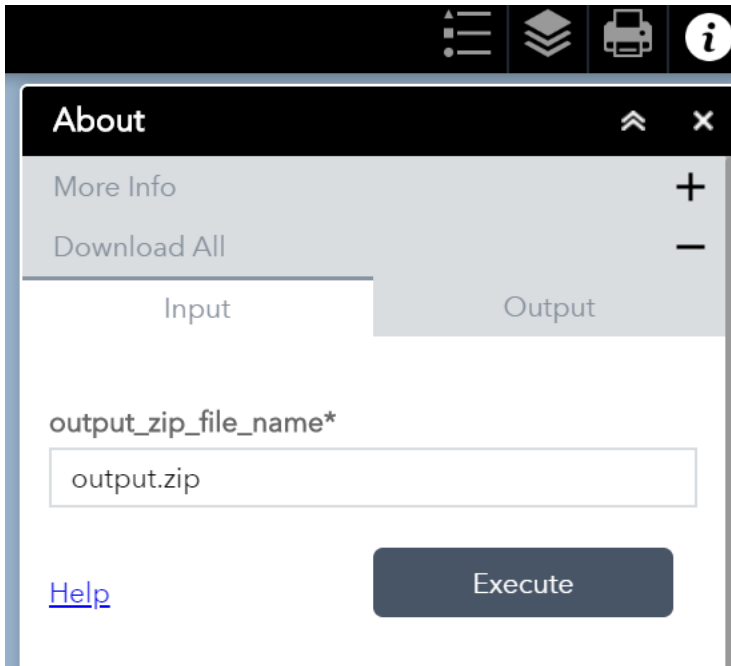


Extract Shapefiles



The toolbox icon in the upper left of the webmap will open the Extract Shapefiles menu. Select a layer or layers and an area of interest, then click 'Execute' to generate a zipped shapefile containing the selected data.

To extract a single feature as a shapefile, you can select the feature in the map and open the additional actions menu at the bottom of the Pop up Panel. The 'Set as input of Extract Shapefiles' option will set the Extract Shapefiles tool to export that specific feature.



To extract all data from the webmap, click the information icon in the top right corner of the map. The Download All tool will appear below the 'About' panel (see image on next page). Set a file name for your download and click the Execute button.

Viewing data in Excel

If you want to use data from Permit Webmaps in Excel, download the data shapefiles you want using one of the above methods. Open the downloaded content in Windows Explorer, a shapefile is made up from a number of files, one of which is the .dbf with an Excel icon, this single file can be opened in Excel.

Minerals_Permit_Applications_NZTM.shx	820	820	2016-06-22 15:14
Minerals_Permit_Applications_NZTM.shp.xml	14 740	14 740	2016-06-22 15:14
Minerals_Permit_Applications_NZTM.shp	849 528	849 528	2016-06-22 15:14
Minerals_Permit_Applications_NZTM.sbx	164	164	2016-06-22 15:14
Minerals_Permit_Applications_NZTM.sbn	1 004	1 004	2016-06-22 15:14
Minerals_Permit_Applications_NZTM.prj	432	432	2016-06-22 15:14
Minerals_Permit_Applications_NZTM.dbf	546 502	546 502	2016-06-22 15:14
Minerals_Permit_Applications_NZTM.cpg	5	5	2016-06-22 15:14
Minerals_Pending_NAA_NZTM.shx	108	108	2016-06-22 15:14
Minerals_Pending_NAA_NZTM.shp.xml	7 981	7 981	2016-06-22 15:14
Minerals_Pending_NAA_NZTM.shp	46 652	46 652	2016-06-22 15:14
Minerals_Pending_NAA_NZTM.sbx	116	116	2016-06-22 15:14
Minerals_Pending_NAA_NZTM.sbn	132	132	2016-06-22 15:14
Minerals_Pending_NAA_NZTM.prj	432	432	2016-06-22 15:14
Minerals_Pending_NAA_NZTM.dbf	2 263	2 263	2016-06-22 15:14
Minerals_Pending_NAA_NZTM.cpg	5	5	2016-06-22 15:14

Using Web Services

In the title bar of the map there is the 'Web Services'. This launches a guide which explains how to consume a range of datasets NZP&M publishes as web service. The NZP&M banner takes you to our website.

