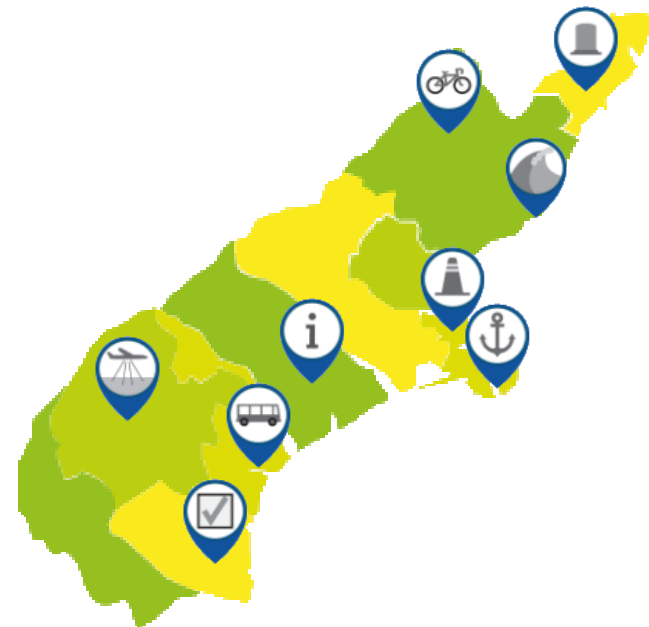


## What is Canterbury maps?

The Canterbury Maps website provides free access to maps, records, information and data from the local government councils in the Canterbury region.

Interactive maps provide many easy-to-use ways to look at and find information resources held by the councils.



# Canterbury Maps – User guide

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# Homepage



## Search

Interactively search for maps, addresses and locations, website content and open data on the Canterbury Maps website.

There are several ways to search for content from the Canterbury Maps home page. All of these search options will take you through to the **explore** page.

- Type a **keyword, address** or **place name** in the top right corner **universal search** box.
- Click on a **district** in Canterbury, then click on the **explore** tab to view maps and data results in the region.
- Choose a content **category**.
- Click on the **explore** tab.

**Universal Search**

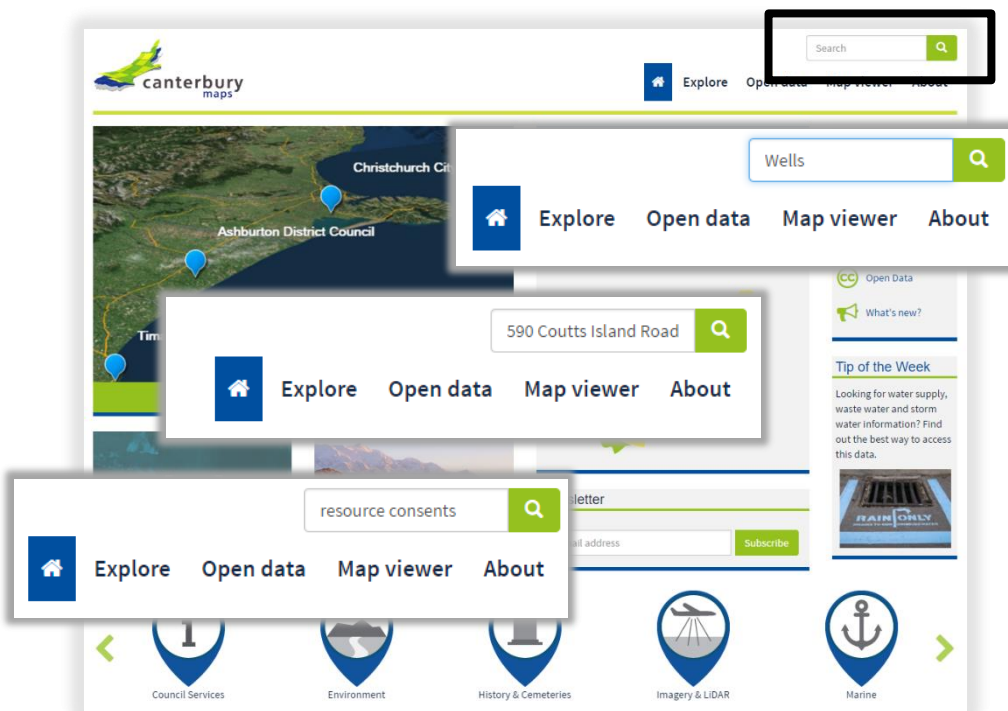


The screenshot shows the Canterbury Maps website home page. At the top right, there is a 'Universal Search' box with a search input field and a magnifying glass icon. Below the search box, there are navigation tabs: 'Explore' (highlighted with a red box), 'Open data', 'Map viewer', and 'About'. The main content area features a large 'RETRO LENS' banner for historical imagery, a 'Property search' section, and a 'District' map (highlighted with a red box). On the right side, there is a 'Getting started' sidebar with links to 'Explore', 'Map Viewer', 'Go Mobile', 'Open Data', and 'What's new?'. Below the sidebar, there is a 'Tip of the Week' section. At the bottom, there is a 'Category' section with five icons representing different content types: Council Services, Environment, History & Cemeteries, Imagery & LiDAR, and Marine. The 'Explore' tab and the 'District' map are highlighted with red boxes to indicate the search path.

## Universal Search

Type a **keyword**, **address** or **place name** in the top right corner **universal search** box.

This will search the entire site for **maps**, **open data**, **addresses** and **locations**, **site content** and **help pages**.



## Search results example:

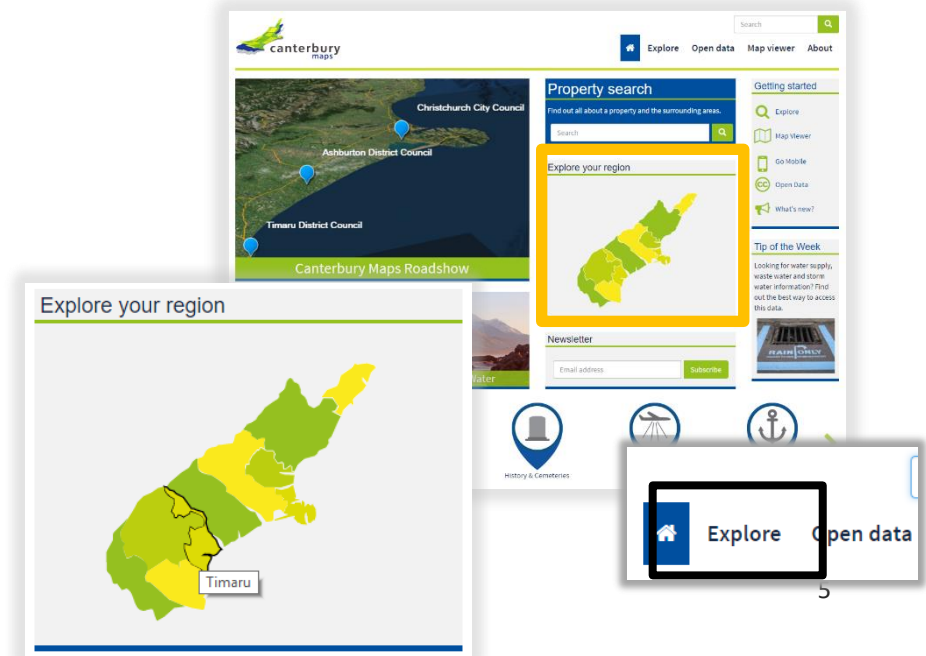
### Explore

Search Canterbury Maps for interactive maps, addresses and locations, website content and open data.

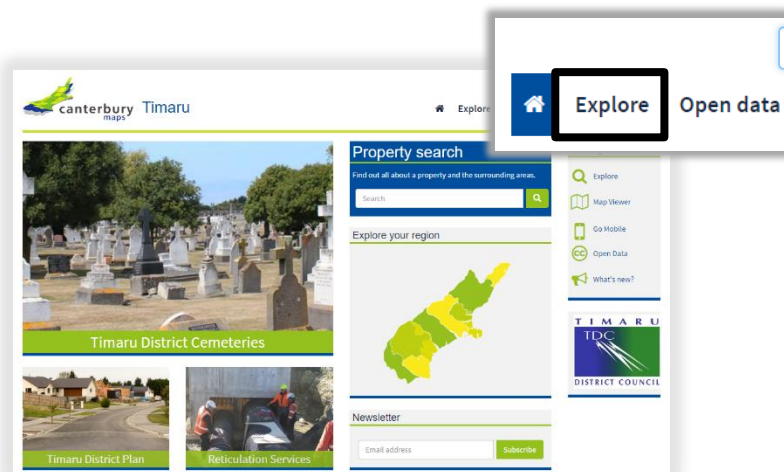


## Search by District

Click on a **region** from the 'Explore your region' panel. Then click on **explore** to filter maps and data by your selected Canterbury district.



## Search results example:



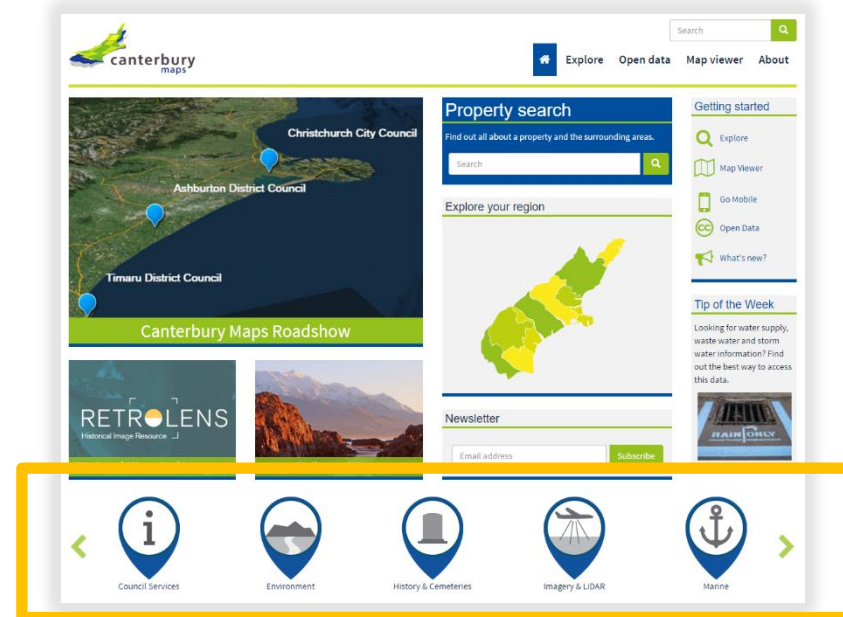
## Explore

Search Canterbury Maps for interactive maps, addresses and locations, website content and open data.



## Search by Category

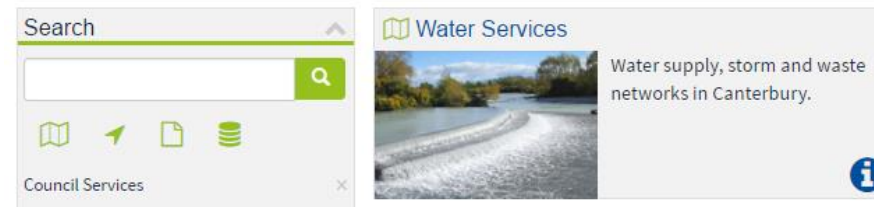
Select a **category** on the homepage to filter maps and data.



## Search results example:

## Explore

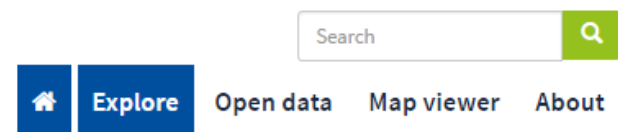
Search Canterbury Maps for interactive maps, addresses and locations, website content and open data.





## Explore

Open the **explore** search directly from the Canterbury Maps homepage.



## Keyword search

Type a **keyword**, **address** or **place name** in the top left corner search box.

## Explore

Search Canterbury Maps for interactive maps, addresses and locations, website content and open data.

Search

Q

Wells

×

Category

▼

District

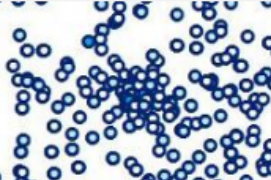
▼

Wells and Bores




Wells and Bores as recorded in the Environment Canterbury Wells Database. Note that this may include proposed bores and test bores that have been

Groundwater Wells (by Reading Count)



Locations of groundwater wells and bores, symbolised into classes based on the number of water level readings undertaken on the bore (0

Wells Road



Road

Map Viewer

Aquifer Test Wells




Wells that have previously had an aquifer test undertaken.

Well Recorders



Wells and bores utilised as recorders. Symbolised by reading count.

Groundwater

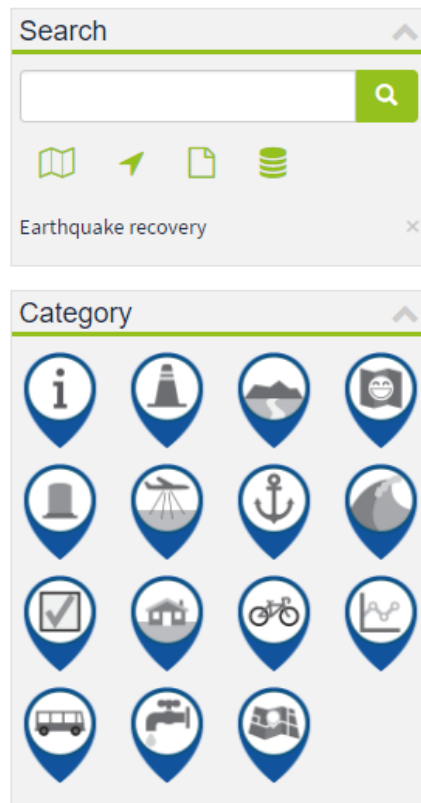


Features and information relating to Groundwater quantity, quality and supply in the Canterbury Region.

i

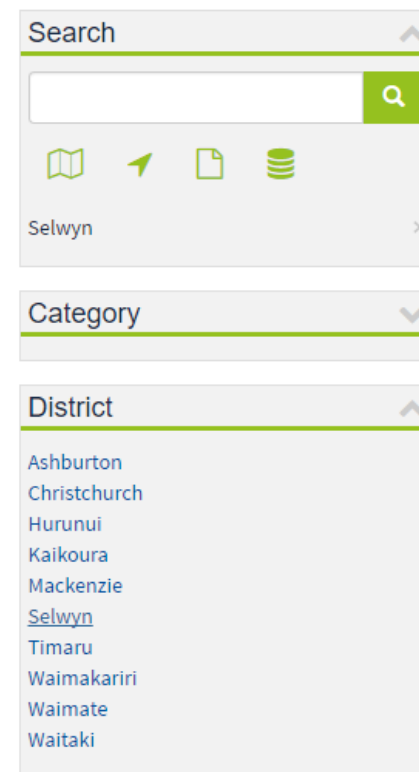
## Category search

Expand the **category** list and click on an icon to search for maps and data within that category.



## District search

Select a **district** from the list to search for maps, data and locations within the district area.



## Combination search

You can refine your search results by adding multiple keywords, categories and districts.

**Example:** Selecting the **earthquake recovery** category, the **Selwyn** District and typing in the keyword **liquefaction**.



Search

Earthquake recovery

Liquefaction

Selwyn

×

×

×

Category


i

lighthouse

map

document


Canterbury Liquefaction Susceptibility



Canterbury Liquefaction Susceptibility

i

Liquefaction Susceptibility Lines



Boundary lines of areas predicted to be susceptible to liquefaction as indicated in Environment Canterbury's Natural Hazards Research

## Open Content

Click on a map **title** to open an item in the map viewer or click on the **information symbol** to see the map details page. Some items will redirect you to a **map application**.

Water Services



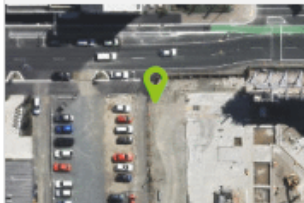
Open

Water supply, storm and waste networks in Canterbury.

i

Click on the links to view a property in the **map viewer** or **property search** viewer.

232 Tuam Street, Addington-Linwood, Christchurch




Property Search

Map Viewer

Clicking on the **title** of a data item will redirect you to the **open data** page to download the data.

















Wells and Bores



Wells and Bores as recorded in the Environment Canterbury Wells Database. Note that this may include proposed bores and test bores that have been

## Filter map content

You can toggle **maps**, **addresses & locations**, **site content** and **open data** on and off to filter the search results.

				<b>Maps</b>
				<b>Addresses and Locations</b>
				<b>Content Pages</b>
				<b>Open Data</b>

- Filter by maps



**Groundwater**



Features and information relating to Groundwater quantity, quality and supply in the Canterbury Region.



- Filter by addresses & locations



**139B Mandeville Road, Mandeville North-Eyre**





[Property Search](#)



[Map Viewer](#)

- Filter by content / help pages


[Property Search](#)

- Filter by open data


**Wells and Bores**

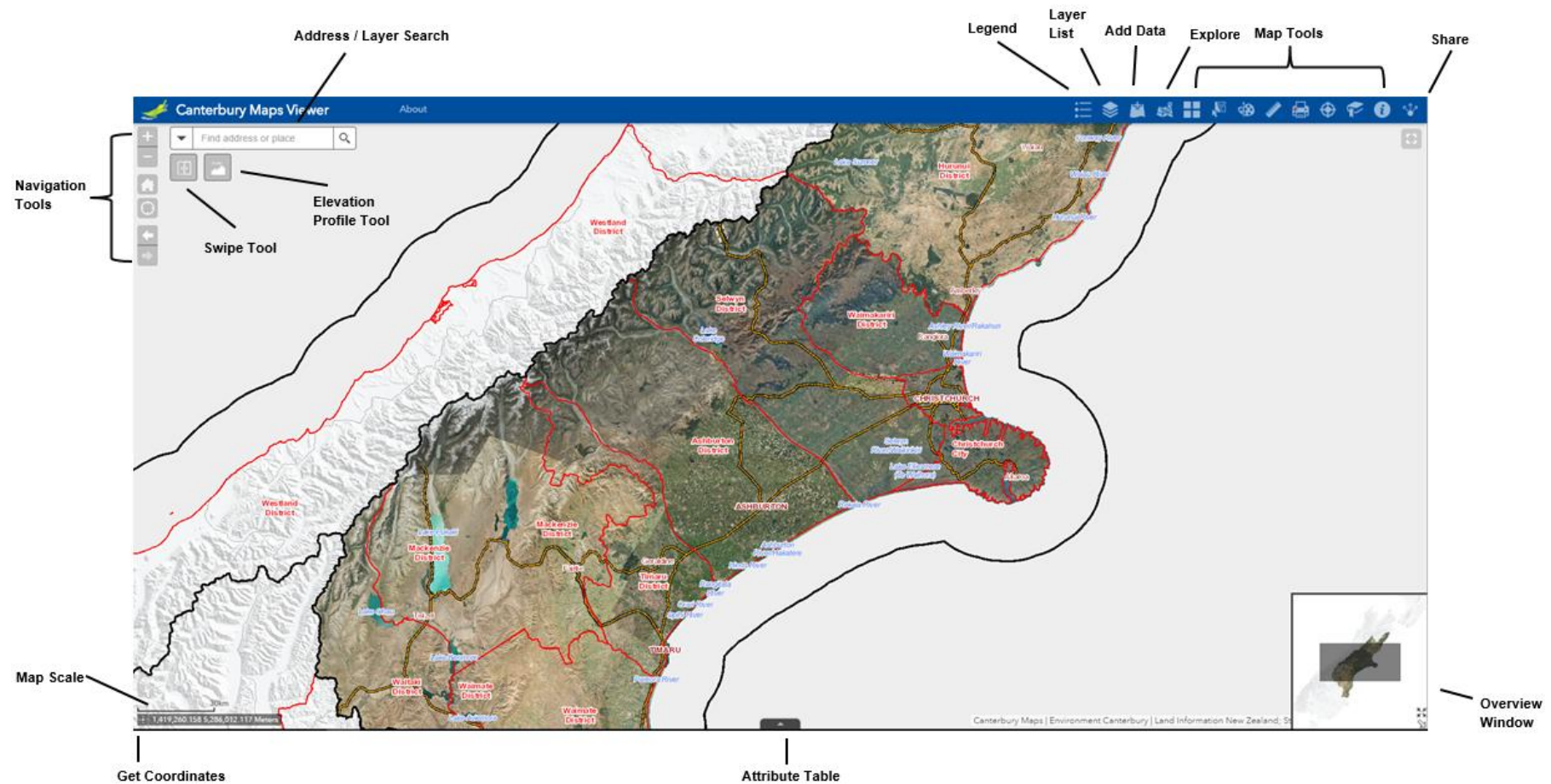


Wells and Bores as recorded in the Environment Canterbury Wells Database. Note that this may include proposed bores and test bores that have been



## Map viewer

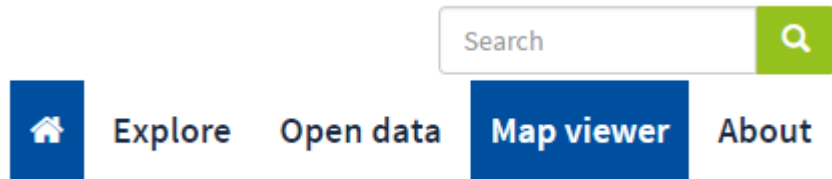
The **Map viewer** allows you to search, view and interact with spatial information using your web browser. It can be accessed from any computer, tablet or mobile device. It contains a range of tools to facilitate your exploration of maps and open data freely available on Canterbury Maps:



## Open the map viewer

There are several ways to access the map viewer in Canterbury Maps.

1. Click on the **map viewer** tab on the Canterbury Maps home page.




2. From the **Explore** search click on a map item title to open it in the map viewer.




## Navigate

### Moving around the map


Click on the screen and **drag to move** around the map .

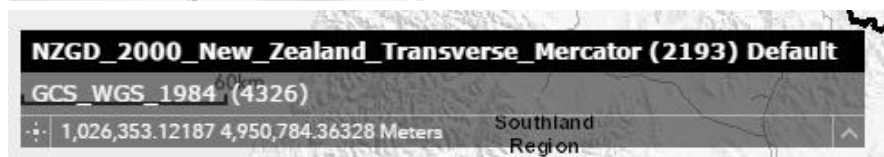
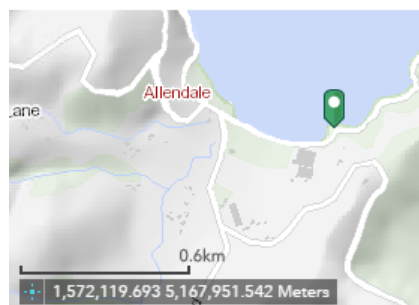
Click the **plus** or **minus** button  or use the **mouse scroll** to zoom in or out on the map.

Selecting the **home** button  resets the map to its initial extent.

Selecting the **find my location** button  zooms the map to your current location (on GPS enabled device).

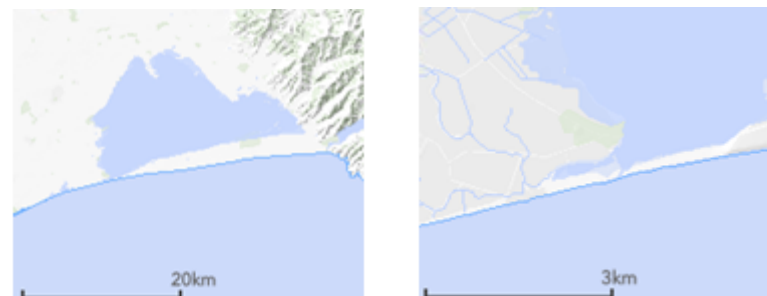
### Get coordinates

Click the **get coordinates** button  in the bottom left hand corner to capture on screen coordinates. From here you can add a point on the map, highlight the coordinates, and make a copy of them. Choose between New Zealand Transverse Mercator and WGS 1984.





## Map Scale

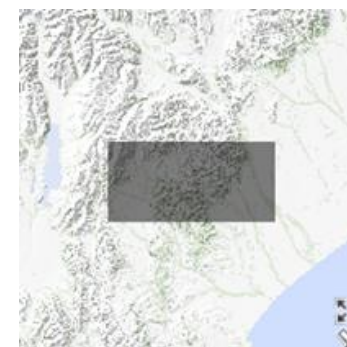
The **scale bar** is displayed in the lower left corner of the viewer. The map scale will dynamically update as you zoom in and out.



## Overview

Click the **expansion arrow**  in the bottom right corner to expand or close the overview panel.

When expanded, click the **maximise icon**  to temporarily maximise the overview map. Drag the grey box around the screen for quick access to far away areas of interest.

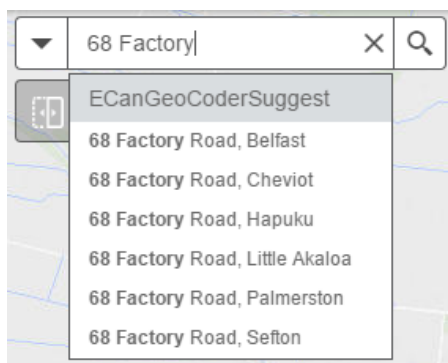




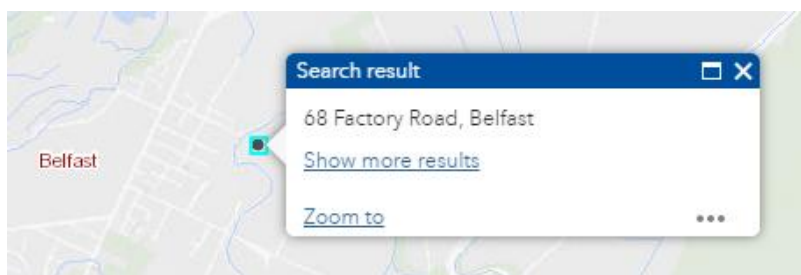
## Predictive search

### Find an address or location

The **search box** in the top left corner operates as a predictive search. When you enter a place-name, address or keyword you will see suggestions as you type.



Selecting a suggestion from the drop down list will zoom the map to that location.

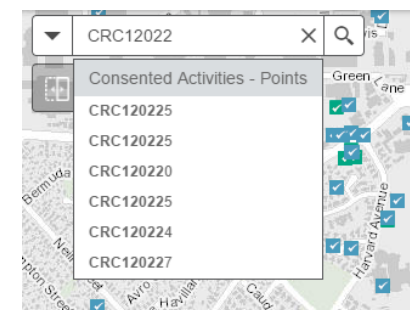


## Search map layers

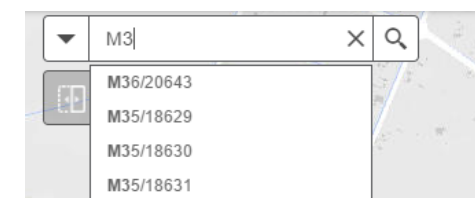
Some of the maps in Canterbury Maps (e.g. Groundwater, Consent Application Resources and Swing Moorings) have predictive search enabled on layers to help you easily locate features on the map.

E.g.

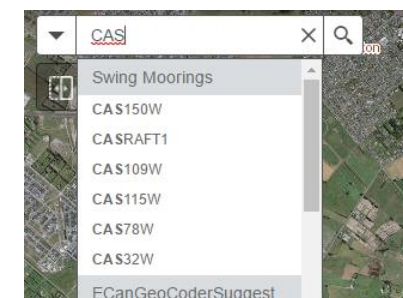
### Consent numbers




### Well numbers

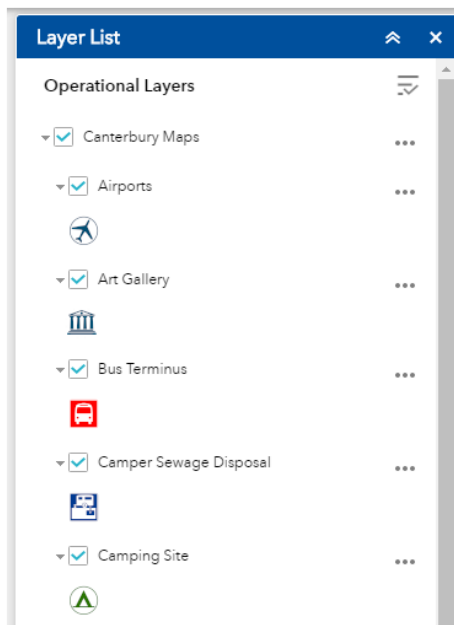



### Mooring numbers



## Layer list


Click on the layer list icon  to display the layer list / table of contents in your map viewer.



Clicking on the three dots  on the right side of a layer displays the layer menu, which includes the following functions:

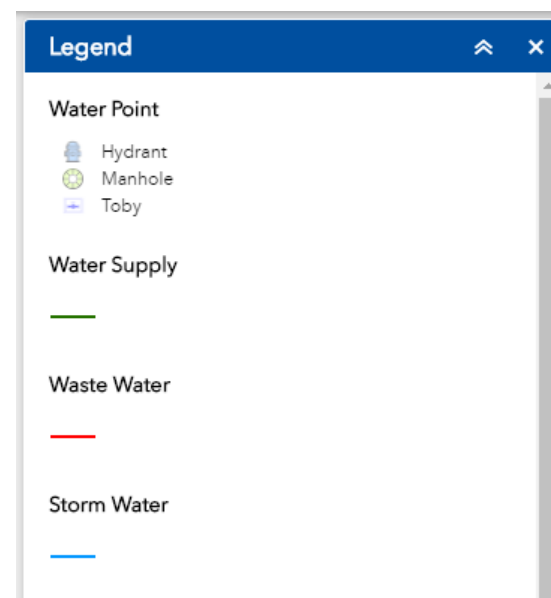
- **Zoom To** - This will zoom to the features on the map.
- **Transparency** - Lets you control how see through the layer is by using the slider.

- **Disable Pop up / Enable Pop up** – Enable / disable the ability to have information pop up when you select a feature on the map.
- **Move up/ Move down** - Moves the layers up or down one level (above or below other layers).
- **Open attribute table** - Opens an information table for the layer.
- **Description** - Takes you to a description page for the layer.


Click on the icon  in the upper right corner of the layer list panel to control the behaviour of all layers. This gives you the ability to turn all layers on and off and expand or collapse all layers.

## Legend

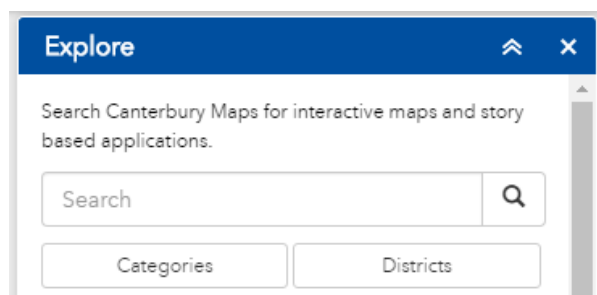
Click on the legend icon  to open the legend panel.



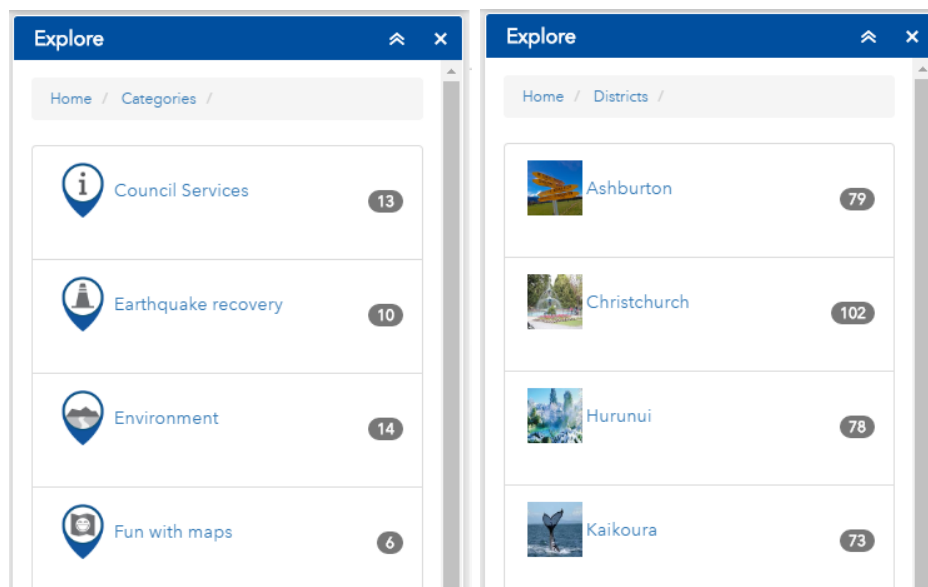
## Explore

Click on the **explore** icon  to open a list of interactive maps and purpose built applications.

You can **search** for maps and applications using keywords in the search box provided.



or you can browse through the content by category or district.




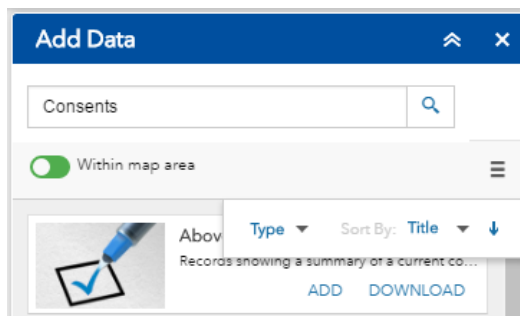
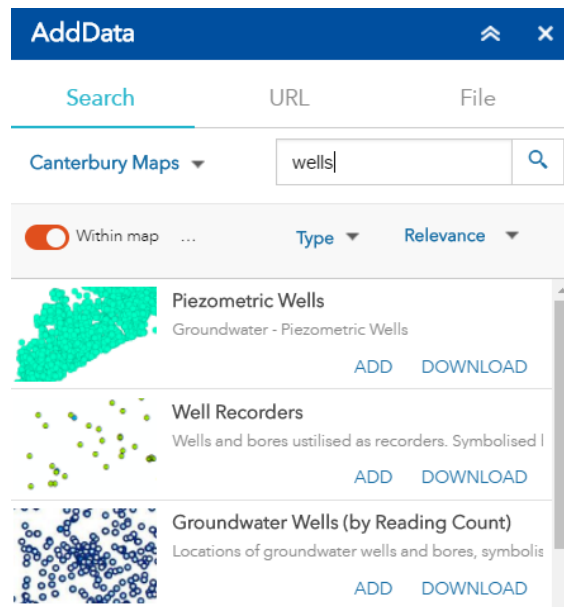
Click **open** to view the pre-loaded map content / layers.




The **details** button will take you to the map description page.

## Add data

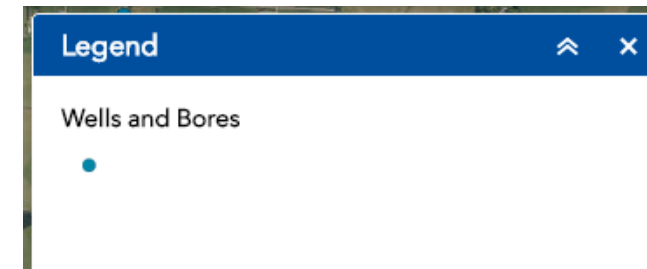
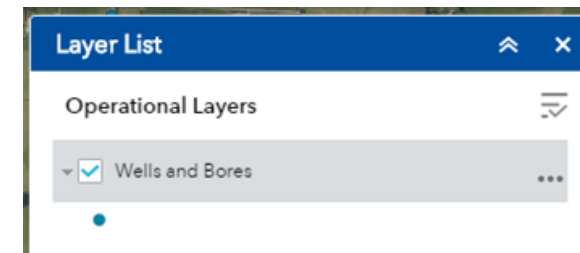
Click on the **add data** icon  to add layers to your map. Type in a **keyword** to search for data.




Clicking on the sort by  drop down allows you to sort the content by the map **title**.

Clicking **ADD** or **REMOVE** on an item will add or remove the data from your map.

Once added the layer should appear in the **layer list** and **legend**.



Clicking on the [DOWNLOAD](#) button will open up a new window on the Canterbury Maps open data site where you can download the data.

Note: Only layers that have been made available by the Canterbury Maps Partners and have a **Creative Commons Attribution 3.0 New Zealand License**  will have a download link next to the item.

## Wells and Bores

[Download Data](#) [APIs](#)

 11/4/2016  Spatial Dataset  68,950 Rows

Wells and Bores as recorded in the Environment Canterbury Wells Database. Note that this may include proposed bores and test bores that have been subsequently filled in.

## Attributes

 Chart •  Map Visualization



ALLOCATEDRATE Number	AQUIFER_TESTS Number	BOTTOM_SCREEN_1 Number	BOTTOM_SCREEN_2 Number
-------------------------	-------------------------	---------------------------	---------------------------

## About

OpenData  
Shared By: canterburymaps  
Data Source: gis.ecan.govt.nz

[View Metadata](#)  
[Create Webmap](#)

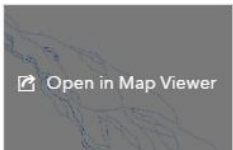
## Found In

 Canterbury Maps OpenData Portal  
 Canterbury Maps Open Data (beta)

Items that are not currently available to download will have a [DETAILS](#) link that opens a description page of the data.

### 1:250,000 Topomap Rivers


[Overview](#)
[Data](#)
[Visualization](#)



1:250,000 Topomap Rivers

by [canterburymaps](#)


Last Modified: October 11, 2016

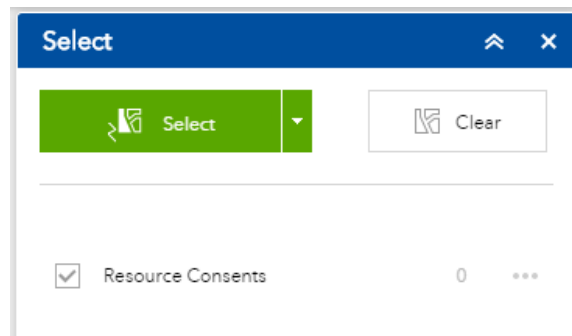
 Feature Layer

## Description

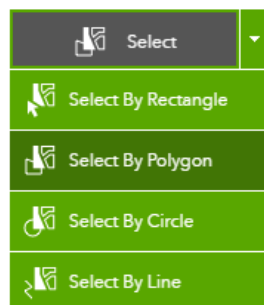
River features from the LINZ 1:250,000 scale Topomaps.

## Select

1. Click on the **select**  icon to open the selection panel.
2. Tick the layer you want to select features from. Turn off all other layers.



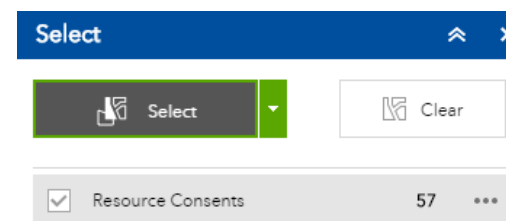
3. Choose one of shapes from the drop down list to enable the select tool.




4. Draw an area over the features that you want to select. Features within the drawn area will be highlighted on the map.



5. The total number of features selected is recorded next to the selected layer. Click on the selection layer name to see the full list of selected records.



## Selection Options

Click the **show actions on selected feature(s)** button  to zoom to, pan to, flash, export, get statistics, create a layer from the selection, view in the attribute table and clear the selection.


- **Zoom to** – Zoom to all selected features on the map.
- **Pan to** – Centres the map over the selected features.



- **Flash** – Selected features will flash.
- **Export to CSV file** – Exports the selected data as an excel spreadsheet.
- **Export to Feature Collection** – Exports the data as a JSON file.
- **Export to GeoJSON** - Exports the data as a GeoJSON file.
- **Statistics** – Returns statistics of the selected features.
- **Create layer** – Adds the selected features to your map as a layer.
- **View in attribute table** – View selected features in the attribute table. See the attribute table section for instructions.
- **Select by Geometry** – selects all of the features in the area
- **Convert to drawing** – converts the selection to a drawing in the draw tool
- **Clear selection** – clears the selected features


## Attribute table

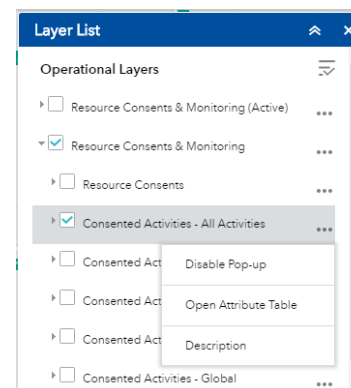
An **attribute table** is a database/ table of information relating to a set of geographic features. Each row represents a feature on the map.

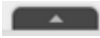
Click the **open** attribute table button  at the bottom of the map viewer to expand the attribute table.

Click the **hide** attribute table button  to collapse the attribute table.

## View layer attributes

Open the **layer list**  in the map viewer, turn on the layer you are interested in and select **open attribute table** from the layer options ...



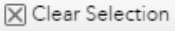
When you **open**  the attribute table the features should be displayed in a table format.

Consented Activities - All Activities				
Options Filter by Map Extent Zoom to Clear Selection Refresh				
ConsentNo	ConsentType	ConsentSource	ConsentStatus	PermitType
CRC041779	Land Use Consent (s9&13)	New Consent	Terminated - Expired	RMA Authorisation
SCY830091	Water Permit (s14)	New Consent	Terminated - Expired	RMA Authorisation
CRC051666.1	Water Permit	Change in	Terminated -	RMA

126 features 0 selected

## Using the attribute table

**Select a record** - Clicking a record in the table selects it and highlights the corresponding feature on the map. Double clicking on a record will zoom to the feature on the map. Press the Shift or Ctrl key to select multiple records.






**Clear selections** - Clicking the **clear** selection button  clears all selections.


**Zoom to selected features** - Clicking **zoom to** resets the map extent to centre on selected features.

**Refresh** - Clicking **refresh** resets the table structure after any changes have been made.

**Sort by columns** - The information can be sorted based on a column. Click on a heading to sort the results in ascending or descending order.



**Arrange columns** - Click and drag a column header to rearrange the table.









Consented Activities - All Activities				
<div>Options  Filter by Map Extent  Zoom to  Clear Selection  Refresh </div>				
ConsentNo	ConsentType	ConsentSource	ConsentStatus	PermitType
CRC062457	Water Permit (s14)	New Consent	In Active	RMA Authorisation
CRC032219	Water Permit (s14)	New Consent	Terminated - Replaced	RMA Authorisation

**Show or hide columns** - Clicking the plus  icon on the right side of the attribute table opens the **column visibility** window. Check or uncheck the column names to set them to visible or invisible in the table.

<input checked="" type="checkbox"/>	ConsentNo
<input checked="" type="checkbox"/>	ConsentType
<input checked="" type="checkbox"/>	ConsentSource
<input checked="" type="checkbox"/>	ConsentStatus
<input checked="" type="checkbox"/>	PermitType
<input checked="" type="checkbox"/>	FeatureType
<input checked="" type="checkbox"/>	RMASection
<input checked="" type="checkbox"/>	ActivityText
<input checked="" type="checkbox"/>	FileNo

**Options** - Click the **options** drop down for more attribute table tools.

- **Show Selected Records** - Only displays selected records.
- **Show Related Records** - Displays related records if a selected record has a related table.
- **Show or Hide Columns** - Equivalent to clicking the plus  icon on the right side of the panel to set visibility for individual columns.
- **Filter by Map Extent** - When this button is turned on the table will only show features that are displayed in the current map window. 
- **Filter** - Allows you to filter records in the table and on the map (for more information go to the filter help section).

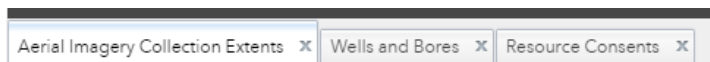
Consented Activities - All Activities				
<div>Options  Filter by Map Extent  Zoom to  Clear Selection  Refresh </div>				
<input checked="" type="checkbox"/> Show Selected Records	pe	ConsentSource	ConsentStatus	PermitType
<input type="checkbox"/> Show Related Records		New Consent	Terminated - Expired	RMA Authorisation
 Filter	9&13)			
 Show/Hide Columns				
 Export Selected to CSV				
CRC060398	Water Permit (s14)	New Consent	Terminated - Lapsed	RMA Authorisation
CRC970651	Land Use Consent (s9&13)	New Consent	Terminated - Expired	RMA Authorisation

## Filter

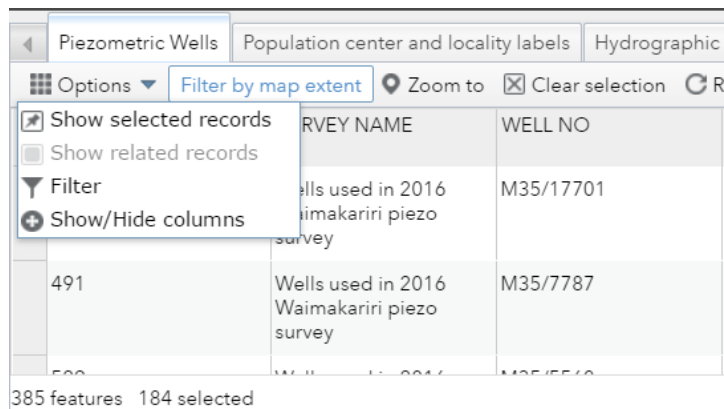
The **filter option** allows you to control what data will be shown on the map.

### Add a filter expression

1. In the attribute table select the layer tab that you want to filter.



2. Click on the **options** drop down list and select **filter** .



3. Click **add a filter expression**.

Filter

[+ Add a filter expression](#) [+ Add an expression set](#)

4. Create an expression by selecting from the drop down lists.

[+ Add a filter expression](#) [+ Add an expression set](#)

Column headers	Operators	Values
OBJECTID (Number)	is	

☒ Value ☐ Field ☐ Unique

**Column headers** – Choose which column header you want to filter on.

**Operators** - Determines how the data will be filtered.

- Number operators require number values only.
- String operators can contain numbers and characters.
- Date operators require values in a date format.

#### Number Operators

is  
is not  
is at least  
is less than  
is at most  
is greater than  
is between  
is not between  
is blank

#### String Operators

is  
is not  
starts with  
ends with  
contains  
does not contain  
is blank  
is not blank

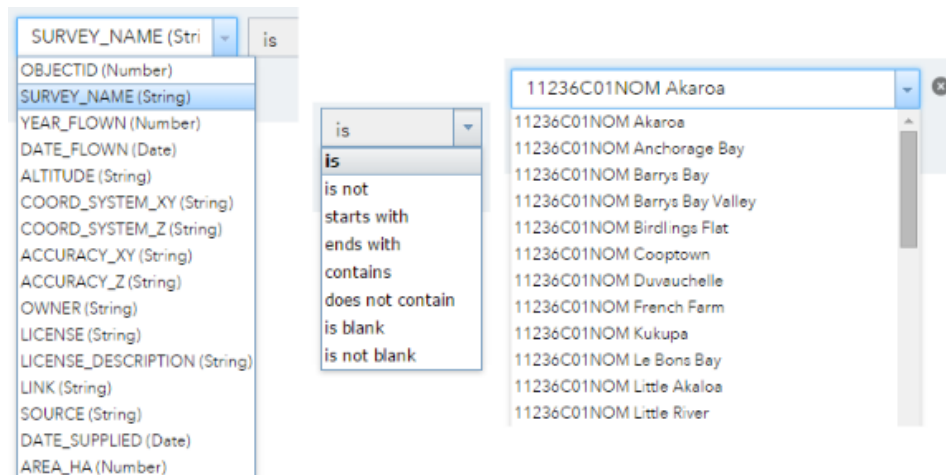
#### Date Operators

is on  
is not on  
is before  
is after  
is between  
is not between  
is blank  
is not blank

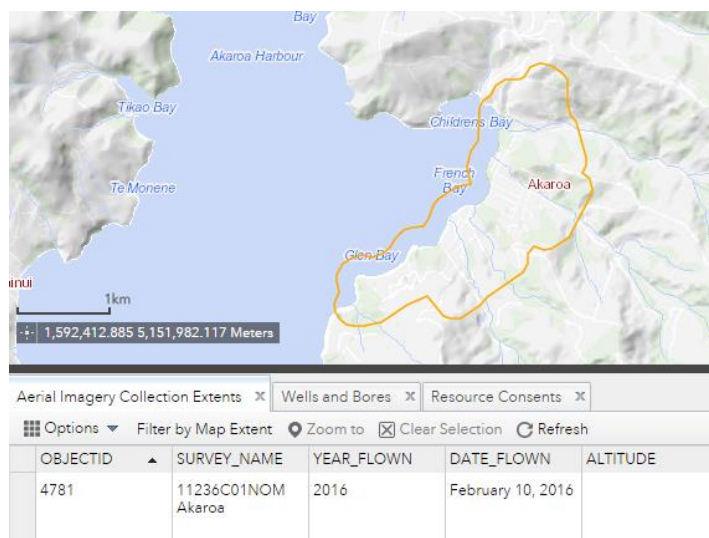
**Values** - Enter a relevant word, phrase, character, number or date.  
Select **unique** to select from a list of real data values.

### Example:

Choose a **column header** e.g SURVEY\_NAME, an **operator** e.g is, and a **value** e.g 11236C01NOM Akaroa.



This expression would filter the imagery extents on the map to only show the 11236C01NOM Akaroa aerial survey extent. All others would be turned off.

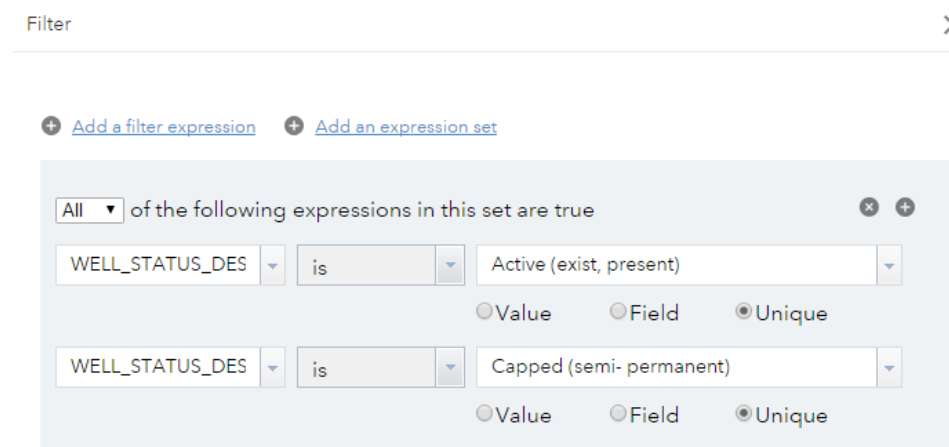


### Add an expression set


A greater level of filtering can be achieved by applying multiple filter expressions, using an expression set.

### Example:

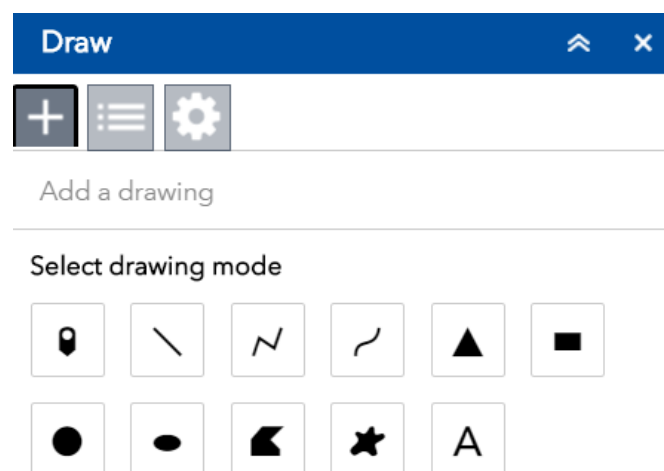
Filtering the **wells and bores** layer to only display **Active** and **Capped** wells.




## Draw and measure

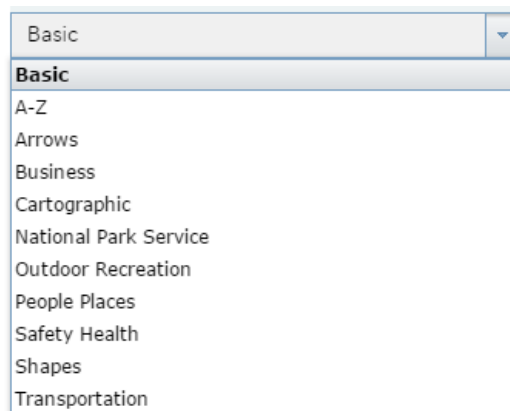
Click on the **draw** icon  to open the drawing tools panel. These tools allow you to draw graphics and add labels to your map.

Choose from one of the drawing modes to start creating your graphics.

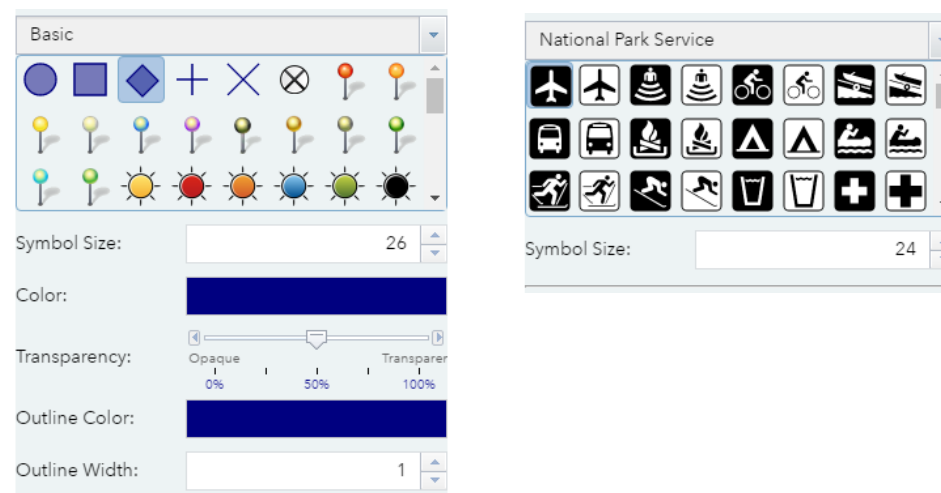


## Add a point

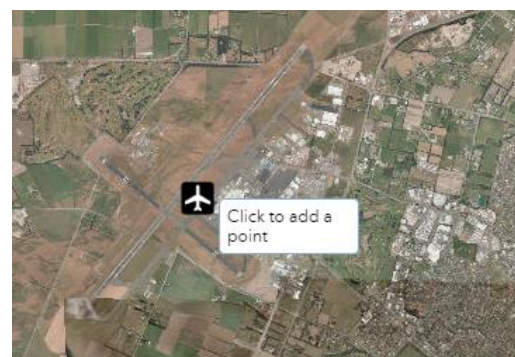
Select the **point icon**  and choose a style from the templates available. Click on the drop down to choose from different categories.



You can also change the **fill and outline colours**, the outline width and the **transparency** (how see through the drawing will be) of **basic point markers**. For more complex icons, you can adjust the **symbol size**.



Once you have chosen your icon / marker, click to **add a point** on your map.



Optionally you can choose to show measurements. This will display the coordinates of the point with the following options:

- Map Unit - New Zealand Transverse Mercator is the default map unit.
- Degrees Minutes Seconds - The World Geodetic System 1984 (WGS1984) with the degrees/minutes/seconds coordinate format.
- Decimal Degrees - The World Geodetic System 1984 (WGS1984) with the decimal degrees coordinate format.

☒ Show Measurements

Units  Map Unit




## Add a line

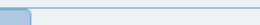
Select from the **line**, **polyline** and **freehand polyline** icons



to draw line graphics on your map.

You can select a **template** or choose the **colour**, **width**, **style** and the **transparency** of line graphics in your map using the settings provided.

Preview: 

Color: 

Style:

Transparency:

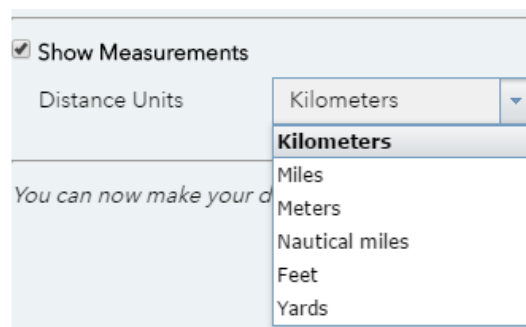
Width:

Once you are happy with your line graphic settings, click on the map to start drawing.





Check the **show measurements** tick box to display the line measurements on top of the graphic. You can choose from a variety of distance units.



## Add an area / polygon

Choose from any of the area / polygon icons



to draw area graphics on your map.

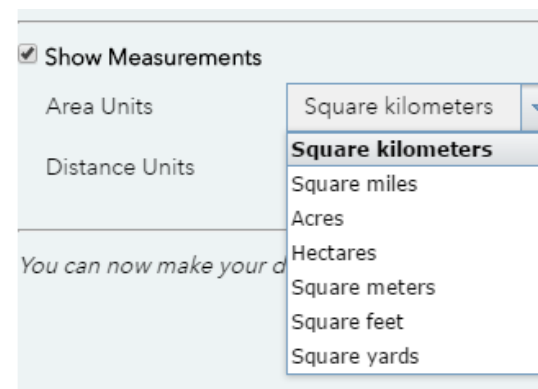
Select a **template** or choose from the **fill** and **outline colours**, **outline width** and **transparency** settings.



Click on the map to start drawing.



Check the **show measurements** tick box to display area measurements on top of the graphic. You can choose from a variety of area and distance units.



## Add text / labels

1. Select the **text icon**  to open the text settings.
2. Give the feature a **label** and a **description** by entering text into the boxes provided.
3. You can change the **colour**, **font**, **font size**, **text angle** and the **placement** of the text.

**Add a drawing**

Name:

Description:

---

Preview: My drawing

Font Color:

Font Size:

Font Name:  **B** **I** **U**

Text Angle:  angle

Placement: ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

4. Place your label on the map. **Make sure you place the point at the same scale that you are printing your map.**

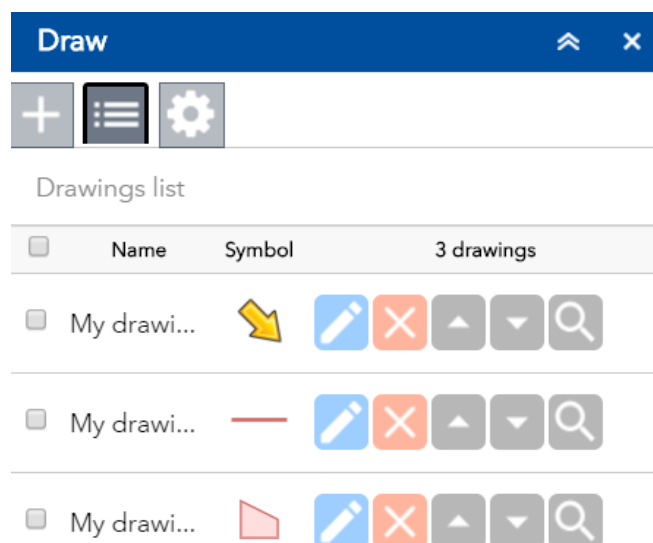


Clicking on your label will open a pop up which contains the description details.




## Editing graphics

Click on the **drawing list icon**  to open the list of drawn graphics.



The drawing list options allow you to **edit**, **delete**, **zoom** to and **move** graphics above or below other graphics in the map.



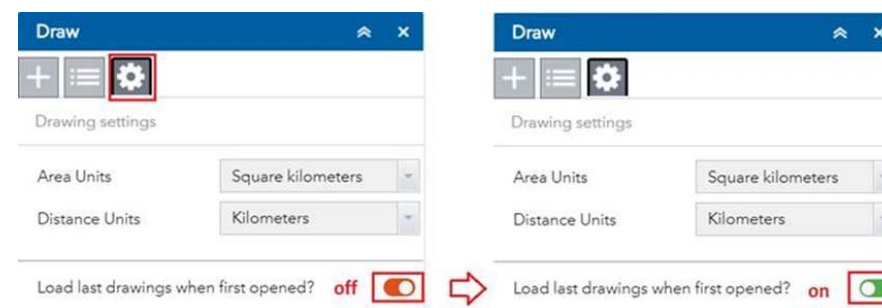
The **edit tool**  allows you to change the drawing settings and the geometry of a drawing.

Click and drag vertices to change the geometry of a shape. Alternatively click ctrl and drag to move the entire shape.



## Auto-load Drawings

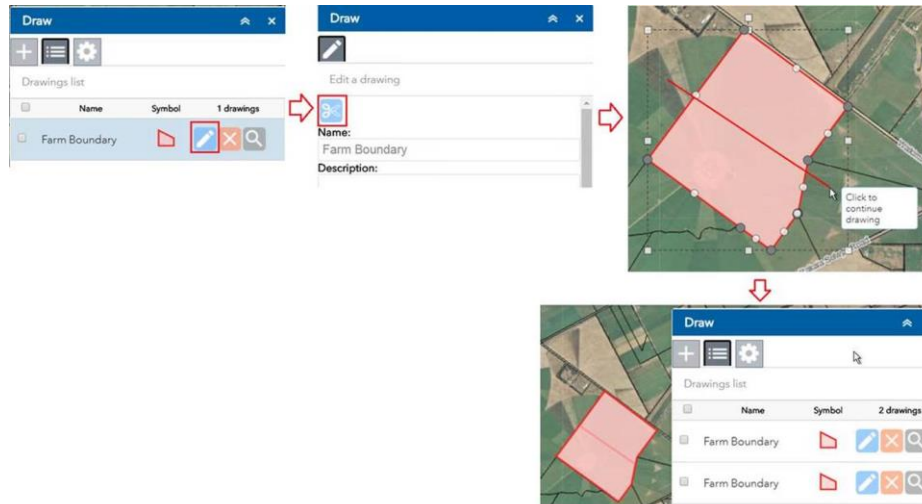
You can choose if you want the drawings from your latest session to auto load in your next session. Use the toggle in the Draw tool settings tab to turn this function on and off. If you leave it on, the last drawings you worked on will auto load as soon as you open the Draw tool when you next go on Canterbury Maps.




## Cut

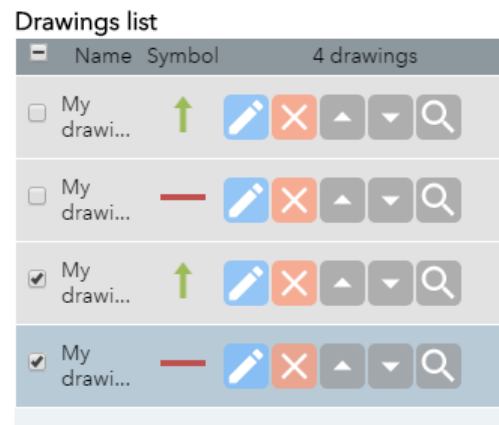
You can use the 'Cut' tool to modify the size and shape of your existing polygon and line drawings. Once you have drawn a polygon or line, go to edit this drawing in the Draw tool. You will see the Cut tool icon at the top

of the edit panel. Click this icon and draw a line across your existing polygon or line to cut it into two. The result is two new drawings.



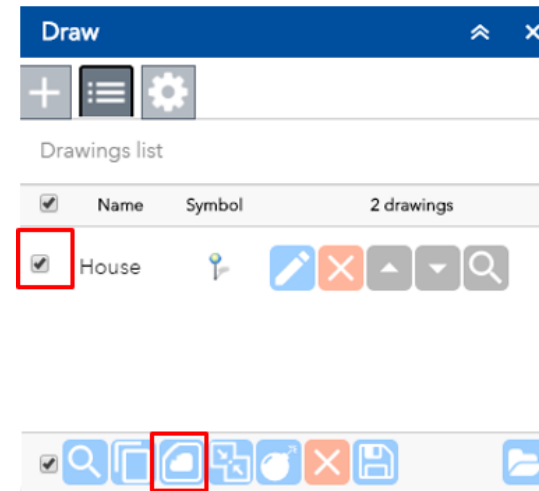
## Copy graphics

Click on the **copy graphics icon**  (at the bottom of the drawings list panel) to make duplicate copies of your drawings.

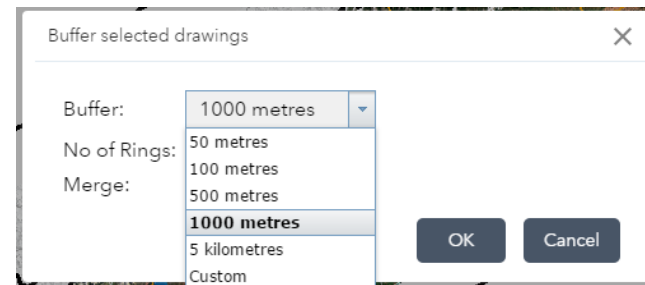


## Buffer graphics

Select the drawing you wish to buffer, and click the **buffer tool** at the bottom of the drawing list panel




Select the buffer distance you require or put in a custom buffer




Hit ok, your buffer should now be added to the map and drawing list

## Merge Drawings

You can merge two or more line drawings or two or more area/polygon drawings into one using the merge tool  (you cannot merge points)

Tick the drawings you want to merge and click the merge tool. The drawings will now be combined into one drawing.

## Explode Drawings

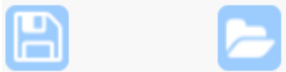
You can also explode a single multi-part drawing into multiple drawings using the explode tool 

## Delete Drawings

Tick the drawing that you want to delete and click the delete icon 

## Save graphics




Select the **export selected drawings tool** to save the graphics to your computer. You can also bring these back into your map at a later stage using the **import draws** tools. These tools can be found at the bottom of the drawings list panel.



*Note: if you select multiple drawings in the drawing list and save them, it will save as one json file.*

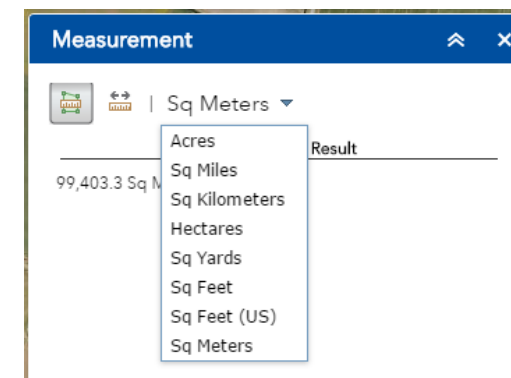
## Measure

Click on the **measurement icon**  to open the measurement results panel.

Click on the **measuring tools**    to start measuring areas or line distances and also find coordinates.



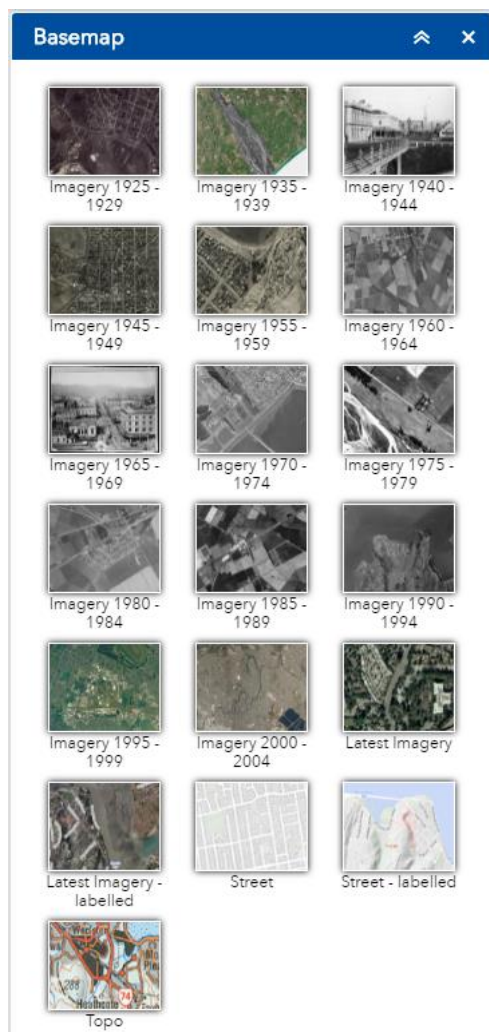
Choose from the drop-down list to change the **measurement units**.



## Basemap

Select the **basemap icon**  to open the basemap gallery.

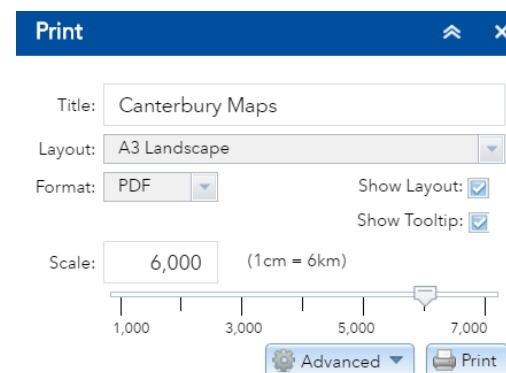
Street, topographic, current and historic aerial imagery basemaps are available.



## Printing

Click on the **print icon**  to open the printing options panel.

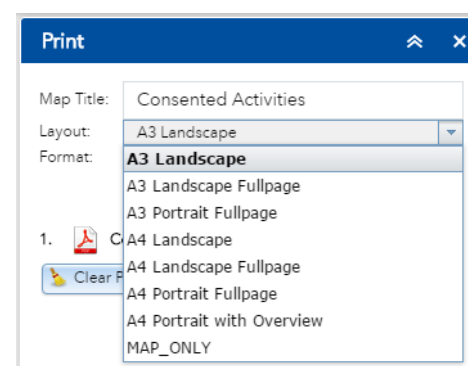
Enter a **map title** in the text box provided.



The Print panel window contains the following settings:

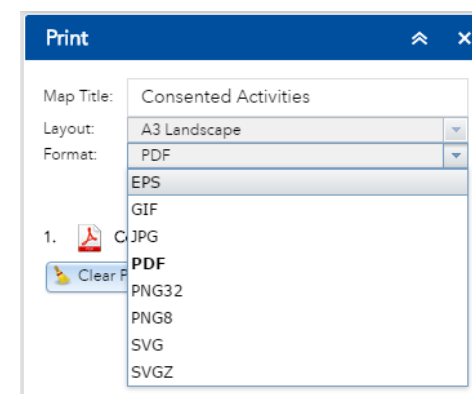
- Title: Canterbury Maps
- Layout: A3 Landscape
- Format: PDF
- Show Layout: ☒
- Show Tooltip: ☒
- Scale: 6,000 (1 cm = 6 km)
- Advanced: ☐
- Print:

Select the layout and format of your map output.




The Print panel window shows the format dropdown menu open, displaying the following options:

- A3 Landscape
- A3 Landscape Fullpage
- A3 Portrait Fullpage
- A4 Landscape
- A4 Landscape Fullpage
- A4 Portrait Fullpage
- A4 Portrait with Overview
- MAP\_ONLY



The Print panel window shows the format dropdown menu open, displaying the following options:

- EPS
- GIF
- JPG
- PDF
- PNG32
- PNG8
- SVG
- SVGZ

When you are ready to print your map click the **print**  button.



A progress bar will appear next to your print task. Once this has loaded you can open the map and download the document.

## Advanced print options

Advanced Print

1. Creating Print  
Clear Prints

**Print**
⌵ ✕

Title:

Layout: A3 Landscape

Format: PDF Show Layout: ☒

Show Tooltip: ☒

Scale:  (1cm = 6km)

1,000
3,000
5,000
7,000

Advanced Print

**Print quality:**

DPI: Normal

**Layout metadata:**

Author:

Copyright:

Include legend: ☒

**Layout metadata** - You can overwrite the default author and copyright text by typing into the boxes provided.

**Include legend** - Check or uncheck this tick box to display the legend on the printed map.

**Print Quality** - Specify the resolution of the map by changing the DPI value. The higher the number, the better the map resolution will be.

## Locate



Click on the **locate** icon to open the locate coordinates panel.

### Find coordinates

Coordinates can be entered in the New Zealand Transverse Mercator 2000 (NZTM2000) projection or the World Geodetic System 1984 (WGS1984). When entering WGS1984 coordinates, they should be in the Decimal degrees format (e.g. Lat 172.632377 Long -43.526945).

**Locate**
⌵ ✕

Coordinates
Results

Enter the coordinates: Clear

Units: NZTM

Easting (X):

Northing (Y):

Example: 1537335.950 5176405.639

Locate

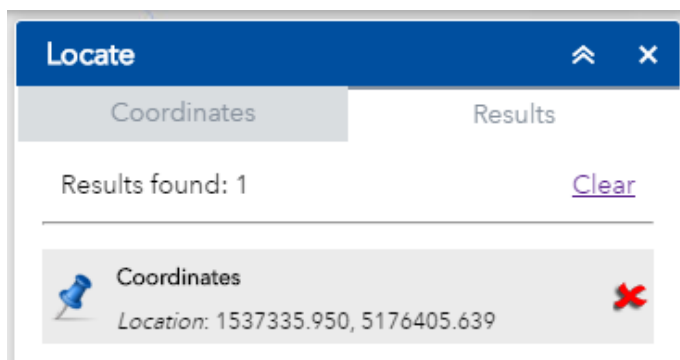
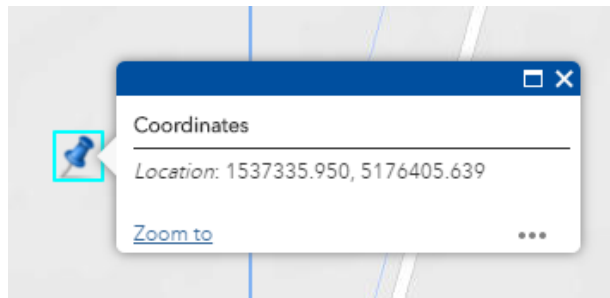
Click on the example to auto populate the Easting/Northing or Latitude/Longitude boxes. You can use this as a template for entering your coordinates.

Example: 1537335.950 5176405.639

[Click to add the example coordinates above](#)

Locate

Click on the **locate** button to zoom to the location. The coordinate results can be viewed in the **results** tab.



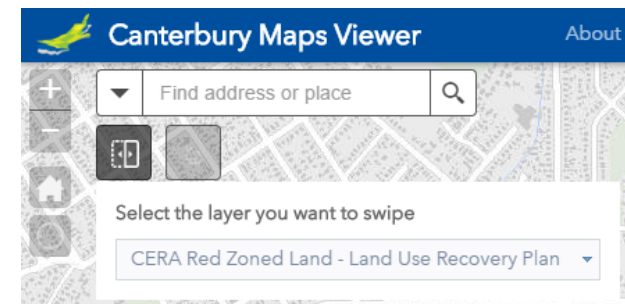
## Swipe tool



Click on the **swipe tool** icon in the map viewer (located underneath the predictive search) to toggle the tool on and off.

Make sure you have the layer you want to swipe with added to your map (use the add data tool or open a map through explore).


Select the layer you want to swipe from the drop-down list.



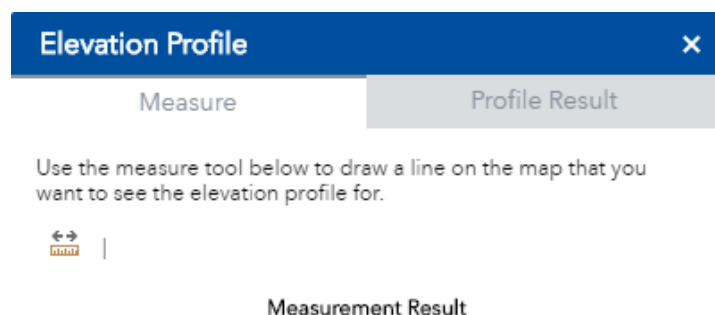
Slide the swipe tool back and forth to hide or show content on the map.



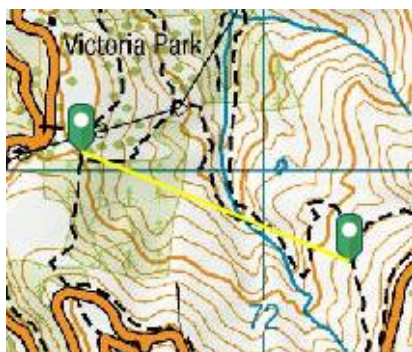
## Elevation profile tool

Click on the **elevation profile tool** icon  in the map viewer (located underneath the address search) to toggle the tool on and off.

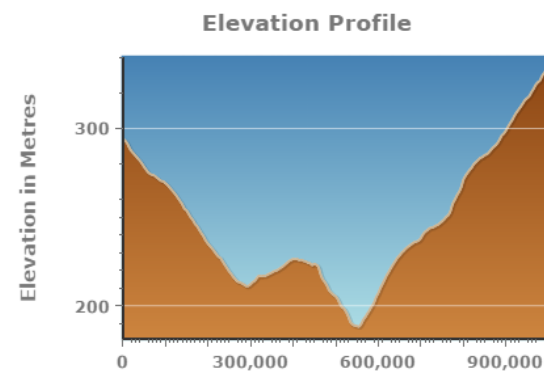
**Select** the measure tool to start drawing an elevation profile line on the map.



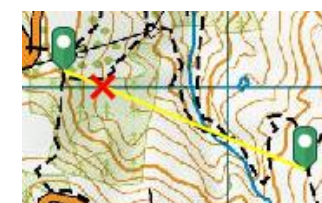
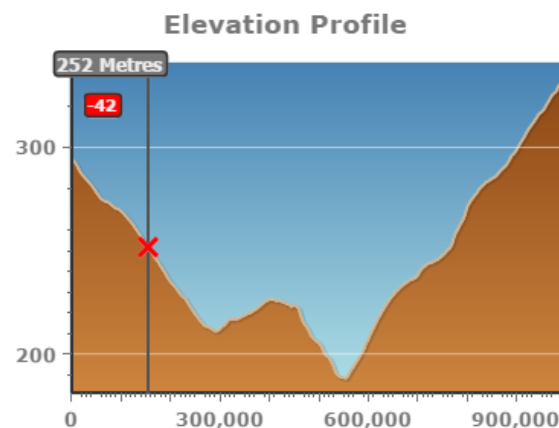
**Draw** your line and double click to finish.



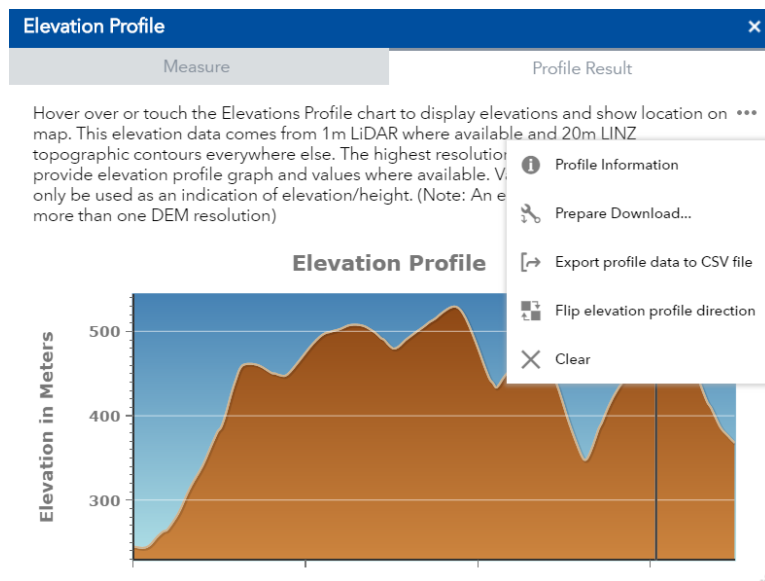
An elevation profile graph will be produced showing the change in elevation across your drawn line.




Hover your mouse over the chart to display elevations and show the location on the map.



Click the three dots to get profile information, prepare download, export the profile data to CSV, flip the elevation profile direction and clear the profile.



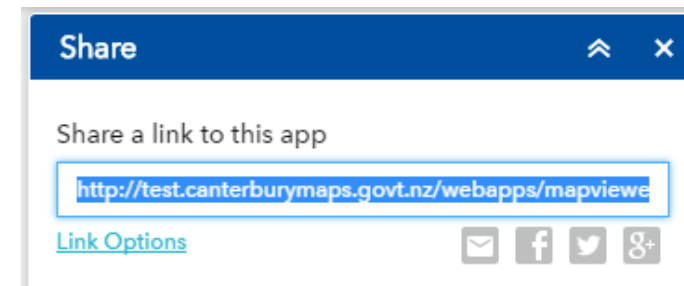
## Share

Click on the **share**  icon to open up the share options.


### Share a link

There are two ways to share the map viewer link:

1. Click on the options to **share** the map viewer to Facebook, Twitter or Google Accounts, or send the link in an email.
2. **Copy** the text (ctrl+c) to paste the link into an email or embed the hyperlink in your website.



**Note:** The layers in your map can only be shared if:

- you have pre-loaded a map from the **explore**  tool in the map viewer
- **or**, you have opened the map from the explore page on the Canterbury Maps home page.



## Embed your map

Under **embed this app in a website**, copy the HTML code and paste it into your website. Click the **embed options** to choose the size of your map to be embedded.

Embed this app in a website

```
<iframe width="1080" height="720"
frameborder="0" scrolling="no" allowfullscreen
src="http://test.canterburymaps.govt.nz/webapps/mapviewer/?
extent=1022524.9037%2C4893452.8186%2C203852
```

[Embed Options](#)

Large	1080	X	720
Small			
Medium			
<b>Large</b>			
Custom			

## Open data (download)


Canterbury Maps offers access to a wide range of data, most of which is freely available for reuse and/or download from Canterbury Maps Open data.

### Discover open data

You can access our open data on the Canterbury Maps site through any of the following methods:

Explore  **Explore** Open data Map viewer About

1. Enter a search word, Category and/or District
2. Filter the results to show only Open Data
3. Select the data you want, this will take you to the Canterbury Maps Open Data site where you can download the data

Map viewer  Explore Open data **Map viewer** About

1. Open the Map viewer
2. Open the Add Data tool
3. Enter a search word or scroll through the available list
4. Select Download, this will take you to the Canterbury Maps Open Data site where you can download the data

 Explore **Open data** Map viewer About

### Canterbury Maps Open Data

1. Go to Canterbury Maps Open Data by selecting Open data on the top menu bar.
2. Enter a search word or select a Category

### Explore Data Categories



Council Services



Earthquake Recovery



Environment



Zoning & boundaries



Water

## Download data

Click on a dataset name to open the download options.

1 - 10 of 16 results

### Well Recorders

Shared by canterburymaps

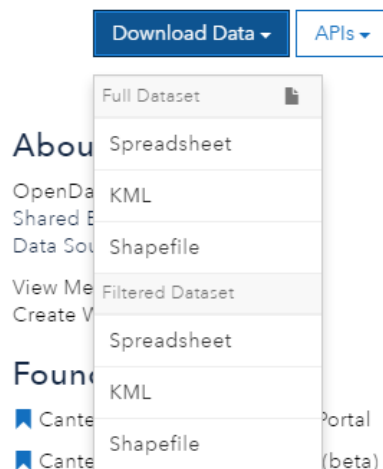
Wells and bores utilised as recorders. Symbolised by reading count.

10/28/2016 Spatial Dataset 623 Rows

Choose from the available download types: Excel Spreadsheet, KML or Shapefile.

**KML** - is a file format used to display geographic data in an Earth browser such as Google Earth.

**Shapefile** - A shapefile is a vector data storage format for storing the location, shape, and attributes of geographic features.



## Connect to our Data

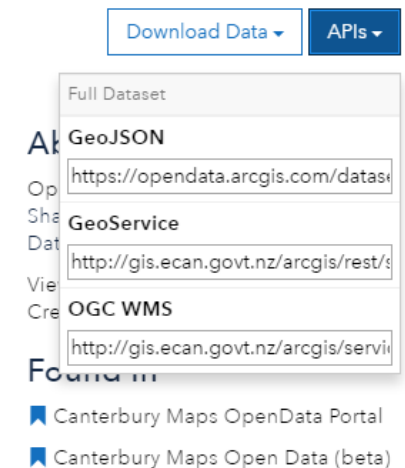
Instead of downloading the data from Canterbury Maps, you can directly connect to the APIs / [web services](#) provided:

There are a variety of web service protocols to choose from.

1. [ESRI REST](#)
2. [ESRI SOAP](#)
3. [OGC WMS](#)
4. [OGC WFS](#)
5. [OGC WMTS](#)
6. [KML](#)
7. [GeoJSON](#)
8. [GeoService](#)

Canterbury Maps ESRI REST:

<http://gis.ecan.govt.nz/arcgis/rest/>



Various third party GIS applications can use these above services and protocols to gain direct data access. For example [ArcGIS](#), [QGIS](#), [Intergraph](#), [MapInfo](#) are a few.

Known software (but not limited to) is listed below:

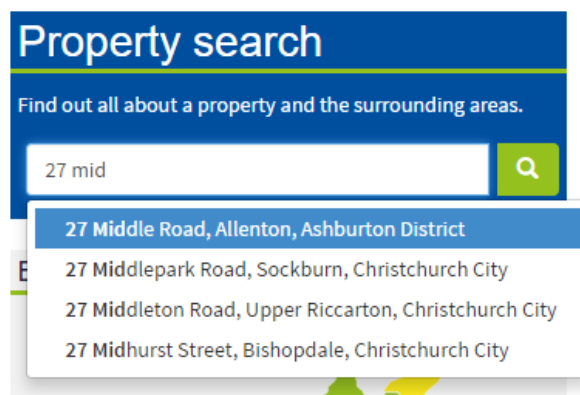
1. ArcDesktop (not free - licence required)
2. ArcGIS Online ([free](#))
3. QGIS ([free download](#))

## Property search

Use the Canterbury Maps **property search** for quick access to information about a property and surrounding areas.

There are several ways to access the property search in Canterbury Maps.

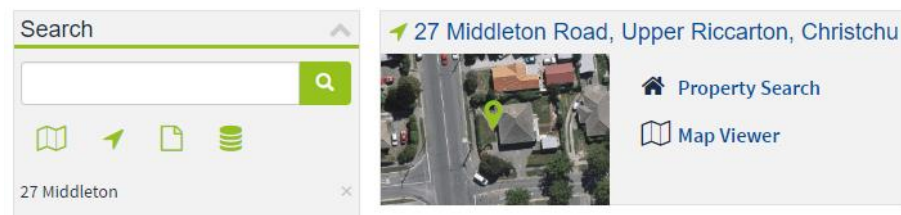
Type in an address in the **Property Search** box on the Canterbury Maps homepage.



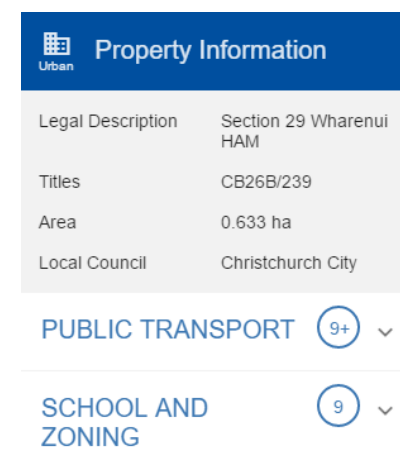
Type an address in the search box on the **Explore** page. Select the option to open the item with the **Property Search**.


## Explore

Search Canterbury Maps for interactive maps, addresses and locations, website content and open data.

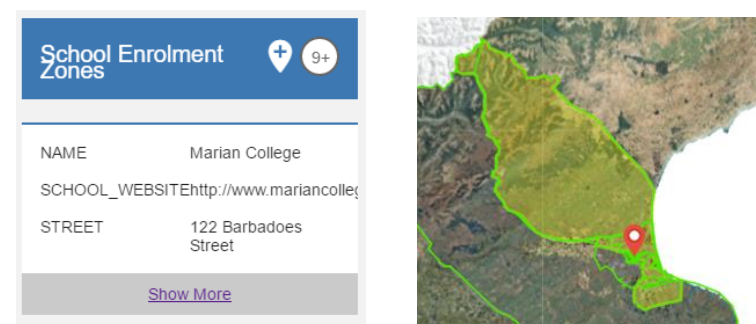


Information about a property or in the surrounding area is grouped into **categories** in the left panel. Click on the **drop down arrow** to display the available information (select again to collapse the group).



Select the **add pin button**  to add the features to your map. Select an item to visualise the features on the map.

**Example:** Marian College - School Enrolment Zone



Select **show more** for additional information about an item.