canterbury maps

CANTERBURY MAPS INTRODUCTORY TRAINING

Training Workbook

info@canterburymaps.govt.nz



Table of Contents

Lesson 1: Getting Started with Canterbury Maps	2
Canterbury Maps homepage	2
Explore	2
Open Data	4
Property Search Tool	5
Lesson 2: Introducing the Map Viewer	7
Basic Tools	7
Legend	9
Layer List	9
Basemap Gallery	9
Map Pop-ups	
Standard Searches	
Lesson 3: Adding Map Layers to the Viewer	
Search for Layers	
Removing layers from the map	
Lesson 4: Using the Layer List	
Lesson 5: Attribute Table	
Lesson 6: Measuring Distances and Areas on the Map	
Lesson 7: Zooming to Coordinates and Capturing Coordinates	
Zoom to Coordinates	
Capture Coordinates	
Lesson 8: Drawing on the Map and Saving Drawings	
Add a Point	
Add a Line	20
Add an Area/Polygon	21
Create drawings from existing map features	21
View Measurements in the Attribute Table	22
Edit Drawings	23
Save drawings	24
Auto-load Drawings	25
Load Saved Drawings	25
Lesson 9: Printing the Map	26



Course Introduction

Canterbury Maps is a free to use public Geographic Information System (GIS) viewer brought to you by a collaboration of all local councils within Canterbury. It is a web based platform that is accessible from any computer with an internet browser and internet connection. It is also accessible from Apple and Android mobile devices via the browser or the app. This Introduction Training is designed to introduce you to the Canterbury Maps Map Viewer. It covers how to find and access the GIS layers available on the site and how to use some of the basic tools in the Map Viewer to explore those layers.

Lesson 1: Getting Started with Canterbury Maps

Canterbury Maps is a fully online system aimed primarily at consultants, local business and the public. You can access it from work or home from any computer with the internet via this URL <u>https://canterburymaps.govt.nz/</u>

Canterbury Maps homepage

The Canterbury Maps homepage displays everything you need to get started from **featured content** to **district specific homepages**, an **open data site** and a **map viewer** plus much more.

🖀 Explore Open data Map viewer About

Explore

The explore tab lets you search for data available on the Canterbury Maps website. Interactively search for maps, addresses and locations, website content and open data. There are several ways to search for content from the Canterbury Maps home page. All 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.



canterbury	🛠 Explore Open data	^{rch} Universal Sea <mark>rch</mark> Map viewer About
Important notice: The advanced viewer is being shutdown! Changes will take effect from July 3.	Ist. Find out more here	
502 (Place Map)	Property search Find out all about a property and the surrounding areas. Search	Getting started Q Explore Map Viewer Go Mobile
Historic South Island Survey Maps	District	CC Open Data What's new? Tip of the Month: Curious to know what updates the draw tool has received neerolly? Have a
canterbury Training Training Canterbury Historic Imagery	Newsletter Email address Subscribe	read here
Council Services	Category	Marine V
Partner sites Related sites Follow Environment Canterbury data scan, govt.nz (beta) News Kalkours Diritic Council data govt.nz Sign up for our newsletter Hurunu District Council Linz govt.nz Submit a user story	Other links Advanced Viewer User Guide	

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





Filter by maps



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

Filter by addresses & locations



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

Open Data

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.

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



- 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 Canterbury Maps





- 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

Download Data

Click on a dataset name in the open data site to open the download options.



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

Spreadsheet - a way to view the data in a table format

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.

	Download Data +	APIs 🗸
(Full Dataset	
Abou	Spreadsheet	
OpenDa Shared E	KML	
Data Sou	Shapefile	
View Me Create V	Filtered Dataset	
	Spreadsheet	
Found	KML	
Cante	Changella	ortal
📕 Cante	Shapefile	(beta)

Property Search Tool

Use the updated property search for quick access to information about a property and surrounding areas.

On the homepage type in an address in the **Property Search** box. Matching addresses are displayed to choose from.





A map opens that centres on the property and highlights the address extent based on ratings unit



Information about the property and the surrounding area is grouped into categories in the left panel.

PROPERTY DETAILS (9+) ~

Land Parcels	\$	6	/
Legal Description: Lot 4 DP 30 Parcel ID: 3546794 Land Area: 697 <u>More Info</u>	073		

Click on category the drop-down arrow to display the available information (select again to collapse the group).

Legal Description: Lot 6 DP 30073 Parcel ID: 3496902 Land Area: 1029 More Info

Legal Description: Lot 5 DP 30073 Parcel ID: 3531700 Land Area: 1026 More Info

Show More	2
Rating Units	🕈 1 🗸
Property Titles	🕈 7 🗸
Addresses	🗘 🕽 🕹
Building Outlines	♥ 2 ∨



Lesson 2: Introducing the Map Viewer

The Map Viewer is the main way that you can view and interact with GIS layers in Canterbury Maps. There is a Standard Map Viewer, as well as customised maps that contain layers related to a certain project or work area located in the explore tab.

The Map Viewer contains a range of standard tools to facilitate your exploration of the maps and data available on Canterbury Maps:



Basic Tools

Navigation

The navigation tools found on the left-hand side do a variety of tasks. They allow you to zoom in and out, go back to the default extent, and locate your exact position (need to give permissions to do so). You can also go to the previous and next extents.

Current XY location and map scale

Map coordinates can be found in the bottom left hand corner and are displayed in New Zealand Transverse Mercator (NZTM). This can be changed to World Geodetic System 1984 (WGS 1984) by clicking the arrow. The coordinates dynamically change as you move around the map.



To capture a coordinate, 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.



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 Map

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.



Full Screen Mode

Click on the full screen icon

Ilocated in top right of the map) to open full screen mode.



~

Legend

The legend shows all layers that are currently visible in the map and what the symbology is.

Legend

Region Base Internal Regional Boundaries State highways (>1:1,000,000)

State highways outside Canterbury

Layer List

The **Layer List** displays list of layers that are currently in the map viewer. At a basic level it allows you to turn layers on and off by ticking the tick box next to the layer. The Layer List is discussed in more detail later on in the course.

Layer List	*	×
Operational layers		\mathbb{P}
▶ 🔽 Labels		••••
▶ 🗹 Region Base Internal		••••

Basemap Gallery

The Basemap Gallery allows you to change the basemap of the Map Viewer. Street, topographic, current and historic aerial imagery basemaps are avaliable.





Map Pop-ups

Most GIS layers on the map have pop-ups. Pop-ups display the attribute information of a map feature. They can also contain links and photos.

To look at a feature's pop-up just click it on the map. If you click on one or more features, you will see the number of features in the top right of the pop-up.

Standard Searches

There are some standard searches configured in the Map Viewer. The **search box** in the top left corner operates as a predictive search. When you enter a consent number, well number etc. 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.





Lesson 3: Adding Map Layers to the Viewer

The Standard Map Viewer is pre-loaded with Canterbury place, road and address labels and a region base layer which has administrative boundaries, roads and land parcels. Depending on what map you open, there could be other pre-loaded layers available in the map. There is a tool called 'Add Data' which allows you to search through the entire layer catalogue using a keyword search and add additional layers to your map. The layers that you add in with the Add Data tool are not permanently added to the map and will be removed as soon as you close your browser.

Search for Layers

Click the **Add Data** icon ^L. Search for layers using keywords and click **Add** to add them to the map. When you add a layer to the map it will appear in the **Layer List** and **Legend**.

Clicking on either the **Type** or **Relevance** drop downs allows you to sort the content by the layer title, owner, date etc. Toggling the **Within map** button shows / hides layers within your current map extent







Removing layers from the map

To remove layers from the map that you have added in using the **Add Data** tool, click the **Layers** button in the bottom right of the Add Data

		~ ~	-			
~	<	1	>	8 ltems	LAYERS	

You will see a list of layers that you have added in with the tool. Click the rubbish bin icon to the right of a layer to remove it from the map.

Add Data	*	×
Layers		
Plan Change 5 (LWRP) - Hakataramea Zones - Hakataramea FMU	(D

Lesson 4: Using the Layer List

You will have noticed that when you add layers to the map using the Add Data tool, they appear in the Layer List.

The Layer List displays the list of layers that are currently in the map viewer. It allows you to turn layers on and off plus a whole lot of other functionality.

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

Layer List :	*	×
Operational Layers		
▶ 🗹 Plan Change 5 (LWRP) - Hakataramea Zones - Hakataramea FMU		•••
▶ 🗹 Labels		•••
▶ 🗹 Region Base		•••



If a layer is greyed out like below, it means that a scale control has been applied to the layer and the features won't be visible in the map. Zoom in on the map until the layer goes from grey to black. The features will now be visible in the map.



Clicking on the three dots to the right of the layer displays the layer menu. This menu includes the following functions:

Transparency

Transparency alters the fading of the layer so you can see features from layers below coming through

To alter the transparency, click the three dots and then adjust the slider as needed

Opaque		Transparent
0%	50%	100%

Zoom to

This will zoom to the extent of the layer on the map

Disable Pop-up/Enable Pop-up

Enable / disable the ability to have information pop up when you click 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. We will look at this in more detail later in the session.



Plar	n Change 5 (LWRP) - Ha	kataramea Zones -	Hakataramea FMU 🗙							
	Options 🔻 Filter by	Map Extent 🛇 Zo	oom to 🔀 Clear Selection	C Refresh						
	OBJECTID 🔺	Shape	Zone_Name	SOURCECODE	QARCODE	CREATEDBY	CREATEDDATE	MODIFIEDBY	MODIFIEDDATE	PERIMETER_M
	1		Flat Zone	Manually derived by a user from a GIS application	Standard handheld GPS OR accurate location sketch, confirmed by GIS.	Environment Canterbury	July 1, 2015	Environment Canterbury	July 1, 2015	421360.97255
	2		Hill Zone	Manually derived by a user from a GIS application	Standard handheld GPS OR accurate location sketch, confirmed by GIS.	Environment Canterbury	July 1, 2015	Environment Canterbury	July 1, 2015	383911.97223

Show Item Details (Metadata)

Takes you to the metadata available for the layer

Waikakahi Zones as shown in the proposed Plan Change 5 to the Land & Water Regional Plan.

The proposed changes seek to deal with the management of the effects of land uses, particularly farming activities, on water quality throughout the Canterbury region and the management of water quality in the Waitaki sub-region, and flows in Whitneys Creek. Proposed Plan Change 5 comprises two parts. Part A consists of provisions which apply throughout the Canterbury region Part B consists of provisions that apply to the Waitaki sub-region only, and is proposed to be inserted as "Section 15B Waitaki Sub-region" into Section 15 of the Canterbury Land and Water Regional Plan.

Bulk Operations

Click on the icon $\overline{\sim}$ in the upper right hand 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

Turn All Layers On Turn All Layers Off Expand All Layers Collapse All layers



Lesson 5: Attribute Table

Every layer you add to the map, like wells, planning zones etc. has an attribute table with information about the individual features. Each row in an attribute table relates to a certain point/line/polygon on the map. The attribute values can be used to find, query and select features. To open the attribute table of a

map layer, open the Layer List , then click the three dots to the right of the layer and click View in Attribute Table.



Filter by map extent

When the button is turned on the table will only show features that are displayed in the current map window

Filter	by Ma	p Exten	t On

Spring Locations	x		
Options 🔻	Filt	er by Map Extent	0
Shape		SPRING_NO	SF
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Filter by Map Extent Off

Spring Locations	х	
Options 🔻	Filter by Map Extent	ς
Shape	SPRING_NO	S
	CB19/5009	L
	CA19/0012	l

Select and zoom to 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.

an Change 5 (DNRP)-	- Hakataramea Zonez - Hakataramea	FMU X Plan Change 5 (UWRP) -	Waikakahi Zones - Northern Fan	PMU X			
EOptions + Fiber	by Map Extent Q Zoom to 🛛 Cle	er Selection (C) Refresh					
OBJECTID	 Zone_Name 	SOURCECODE	QARCODE	CRE4TEDBY	CREATEDDATE	MOD/FIEDBY	MODIFIEDDATE
1	Greater Weikökshi Zone	Manually derived by a user from a GIS application	Standard handhald GPS OR accurate location sketch, confirmed by GIS.	Environment Centerbury	July 1, 2015	Brvironment Centerbury	July 1, 2015
2	Whitneys Creek Zone	Manually derived by a user from a GIS application	Standard handheld GPS OR accurate location sketch, confirmed by GIS.	Environment Carterbury	July 1, 2015	Environment Carterbury	July 1, 2015

The number of features selected are shown on the bottom left of the attribute table

					OBJECTID	 Shape
o clear a s	election, click on	the 'clear seled	ction' button		318499	
Plan Change 5 (LWRP)	- Hakataramea Zones - Haka <u>taramea FN</u>	1U × Plan Change 5 (LWRP) -	Waikakahi			
III Options 🔻 Filter	by Map Extent 🝳 Zoom t 🛛 🗙 Clear	Selection 🕑 Refresh			210571	
OBJECTID	 Zone_Name 	SOURCECODE	QARCO		318571	
1	Greater Waikākahi Zone	Manually derived by a user from a GIS application	Standar accurate			
					318575	
				4		
				11:	33 features 4	0 selected



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
- Filter Allows you to filter records in the table on the map (for more information go to the Filter (Attribute Table) section)
- Show or hide columns Equivalent to clicking the plus icon on the right side of the panel to set visibility for individual columns
- Export to CSV (Excel) Exports the table to a CSV file. If records are selected, only the selected records are exported. If no records are selected, all the records are exported

Options 🔻	Filter by Map	Extent	🛇 Zoom to
🗷 Show Select	ted Records	10	SPRING_TYP
Show Relate	ed Records	9	Unknown
🔻 Filter			
Show/Hide	Columns	2	Unknown
K Export Sele	cted to CSV		
	CB19/50	10	Unknown

Filter

The **Filter** option in the attribute table allows you to control what data will be shown on the map by applying a query using values in the attribute table. For example, if you had a map layer showing all the consents in Canterbury, you could apply a filter to only show the water take consents. In the attribute table select the layer tab that you want to filter. Click on the options drop down list and select **Filter**. Click **Add a filter expression**.

III Options 🔻 Filte	r by Mep	p Extern	t O Zoom to
Show Selected Re		10	SPRING_TYPI
Show Related Re	cords	¢	Unknown
 Show/Hide Colum Export Selected t 		2	Unknown
	CB19/50	010	Unknown
495 features 1 select	ed		
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\sim			

+ Add expression + Add set

Display features in the layer that match the following expression.



Lesson 6: Measuring Distances and Areas on the Map

The **Measure Tool** allows you to measure distances and areas on the map.

Click on the Measure tool icon **Sec** to open the measurement results panel.

Click on the measuring 🚔 詰 tools to start measuring areas or line distances. Click to start measuring and double click to finish.



The measurement units can be changed by choosing from the drop-down list.





Lesson 7: Zooming to Coordinates and Capturing Coordinates

Zoom to Coordinates

Open the Locate tool by clicking on the **Locate** icon . The Locate tool enables you to enter a coordinate and zoom to it on the map, or to click the map to capture coordinates that you can copy into a document.

Choose a coordinate system and format and enter in coordinates. Make sure you pay attention to the format that you need to enter coordinates in. There is an example of what's required for each coordinate system.

Enter the coordinates: My Location Map Input Units: NZTM Units: NZTM Units: NZTM Units: NZTM	sults
My Location Map Input Units: NZTM	
Units: NZTM Units: NZTopo50 Map Reference	
Example: NZTM Example: BX24:7065-8022	
NZTopo50 Map Reference	
Easting (X): NZMG Map Sheet: BX24	- 0
NZ260 Map Reference	
Northing (Y): Decimal Degrees (WGS84) Easting (X): 7065	
Degrees Decimal Minutes (WGS84)	
Degrees Minutes Seconds (WGS84) Northing (Y): 8022	
Locate	
	Locate

The map will zoom to the location. If you want to enter in a series of coordinates, click the three little dots in the pop-up and choose 'Add a Marker'. This will add a marker to the map at that location and you can go back to the Locate tool and enter further locations.



Capture Coordinates

There are two ways you can capture coordinates. The first is using your current location. This is only valid if you are accessing the map viewer on a device that has an inbuilt GPS.

Click the 'Map Input' button, choose the coordinate system and click on the map. The coordinates will appear in the boxes. You can either copy the individual parts of the coordinates or the whole lot using the copy buttons.



Locate	-	≈ ×		Locate	-	*	×
Coordinate Enter the coordinate	s:	lts <u>Clear</u>		Coordinates Enter the coordinates:	_	ts <u>Cle</u>	ar
My Location Units: D Example: 172	Map Input ecimal Degrees (WGS84)	-			Map Input	-	
Longitude:	/13,-43.00/	Ō	Click on the map	Longitude: 172	2.555498		I
Latitude: <u>Cop</u>	y to clipboard	Ē			.378954 to clipboard]
		Locate		Copy usin	g buttons	Locate	е

Lesson 8: Drawing on the Map and Saving Drawings

Click on the **Draw Tool** icon to open the drawing tools panel. These tools allow you to draw graphics and add labels to your map. It is also possible to save the drawings you create so you can add them to a map in the future.

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

Draw	* ×
+ 🗉 🌣	
Add a drawing	
Select drawing mode	
• • • *	A
Add a Point	
Select the point icon	

Give your point a name and a description if you wish

Draw (ECAN)	* ×
+	
Add a drawing	
Name:	
My drawing	
Description:	

Choose a style from the templates available. Click on the drop down to choose from different categories



Basic	-
Basic	
A-Z	
Arrows	
Business	
Cartographic	
National Park Service	
Outdoor Recreation	
People Places	
Safety Health	
Shapes	
Transportation	
Custom Image	

You can also change the fill and outline colours, the outline width and transparency of basic points. For more complex icons, you can adjust the symbol size



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





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

- Map unit New Zeland Transverse Mercator (NZTM) 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 System

Add a Line

Select from the line, polyline and freehand polyline icons I return to draw line graphics on your map

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



As you start to draw your line, the app will dynamically tell you how long the line is as you draw it.





If you would like to change the units shown while you draw, before you start drawing, go to the cog icon. Here you can change the area and distance units

Draw	*	×		Draw	≉ ×
+ 💷 🌣				+ 😑 🌣	
Add a drawing				Drawing settings	
Select drawing mode			⇔	Area Units	Square kilometers
				Distance Units	Kilometers
• • 					

Add an Area/Polygon

Choose from one of the area / polygon icons to draw area graphics on the map



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

Preview:		(
	h h h h ,	P INT
Color:		
Transparency:	Opaque Transparer 096 5096 10096	
Outline color:		
Outline width:	1	

Click on the map to start drawing. As with the lines, the app will dynamically tell you the size of the area and length of the perimeter



Create drawings from existing map features

In addition to manually drawing a point, line or polygon you can also send the geometry of existing GIS features to the Draw Tool.

One way of doing this is to click a feature on the map to view its pop-up. Click the three little dots in the bottom right of the pop-up and click '**Convert to Drawing**'. The shape will appear in your drawing list.





View Measurements in the Attribute Table

The coordinates, length and area of graphics, are stored in the Drawings layer attribute table. The measurements stored are dependent on the geometry type of the drawing and the units chosen before you drew the graphic:

Draw 🔗	× ×		Draw	\$	×
+ 🗉 🌣			+ 😑 🌣		
Add a drawing			Drawing settings		
Select drawing mode		¢⊃	Area Units	Square kilometers	-
		Ť	Distance Units	Kilometers	-
• • ≤ * A					_

To view the measurements in the **Attribute Table**, go to the **Layer List**, click the three little dots to the right of a Drawings layer and click **View in Attribute Table**.



Layer List	× ×
	^
- 🖌 Area Drawings	•••
My drawing	Zoom to
HAIL Additions -	Transparency
▶ 🖌 Area Grid - Timar	Disable pop-up
▶ Latest Imagery E	Move up
▶ Imagery Extents '	Move down
▶ Imagery Extents	View in Attribute Table
▶ Imagery Extents	Description
▶ Imagery Extents 19	55 - 1959

Edit Drawings

Click on the drawing list icon to open the list of drawn graphics. You can reorder the drawings in the list by dragging and dropping

_	Draw		* ×
Name Symbol 5 drawings	+ 😑 🌣		
Mooring	Drawings list		
Mooring ÷	Name	Symbol	5 drawings

The options to the right of each drawing allows you to change the edit, delete and zoom to the individual graphics.



The edit tool Zallows 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 on the centre of a graphic and drag to move the entrie shape

You can delete vertices by right clicking a vertex and then clicking delete



You can snap a vertex to a vertex of another draing by holding the Ctrl key down as you move the vertex, then letting go as the little blue cross appears

Save drawings

Canterbury Maps allows you to save drawings created using the Draw Tool and to load them back into the Map Viewer at a later date.

You can also share your drawings with others by exporting them as a .json file which they can then load into their Map Viewer session.



Give the drawings a name and description and click **Save to File**.



Dr	raw		A ×
+	i = 🗱		
Dra	awings list		
×	Name	Symbol	5 drawings
8	Beach Landing Ar	- b [<mark>∕</mark> × Q
2	41,655.9 Square	41,ó	<mark>∕</mark> × Q
2	Beach landing ar	•	<mark>∕ </mark> ×
2	Shipping Lane	- 1	<mark>∕ </mark> × Q
8	Mooring	*	✓ X Q
		_	_
8			

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 access the map viewer.

Draw	۲	×	Draw	*	×
+ 😑 🛟			+ 🗉 🌣		
Drawing settings			Drawing settings		
Area Units	Square kilometers	×	Area Units	Square kilometers	
Distance Units	Kilometers	-	Distance Units	Kilometers	1

Load Saved Drawings

To load saved drawings into your map, click the **drawing list** icon in the top centre of the **Draw** tool.



Select import drawings at the bottom and locate the file you wish to import





Lesson 9: Printing the Map

The **Print Tool** lets you print what you see on the Map Viewer to a template that includes a title, scale bar, north arrow, legend, date/time and disclaimers. You can now insert the map into a document or email it to someone.

To print the map, click the Print icon in the top right:

You will see a box appear on the map. This shows what the print extent will be when the map is printed. You can zoom in and out of the map and drag the map around within the box to change the extent that will be visible in the printed map. It is also possible to specify a map scale by entering a number value or by using the slider scale in the right-hand side panel.



You can also enter in an appropriate title for the map and choose a layout and file type.



Print	× ×		🍈 Advanced 🔻	Print
ut Title: Layout:	Canterbury Maps	Print quality:		
Format:		DPI: Norn		
Scale:	90,000 (1cm = 90km)	Author:	Canterbury Maps	
	50,000 150,000 240,000 350,000	Copyright:	Environment Canterbury	

The **Advanced** options enable you to change the author and copyright of the map, set the print quality and choose to include the legend or not in the printed map.

Click print. It will take a few moments for the map to generate. Once it's finished, click on the map link which will open the exported map in a new browser tab. You can either print it from there or download it to your computer.

Print	≈ ×	Print	* ×
Title: Layout: Format: Scale:	Show Tooltip: 2 90,000 (1cm = 90km)	Title: Layout: Format: Scale:	PDF Show Layout: Show Tooltip:
1. 🛃	Advanced Print Creating Print r Prints	1. 📐	Canterbury Maps