InfoMap v1.9 User Guide



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Introduction

InfoMap is a Web Map Viewer created by <u>emtel</u>. InfoMap harnesses the power of QGIS Server to render multiple layers into one single Web Map Viewer.

This User Guide will assist you in learning the basic functions of InfoMap.

Map Portal

The Map Portal is the starting point which lists all the available maps when signed out, and maps assigned to you when signed in.



Toolbar

The main tool bar opens as the "**Home**" icon in the top left of the map. You can open the tools by clicking on the "**Home**" icon. You can also hold the SHIFT key and click on the "**Home**" icon to shift the menu to the left side of the map.



Toolbar Tools

Tool	Function
	Hides / Shows menu. SHIFT + Click on Home
Initial View	icon moves the menu from top to left-side.
	Print Map - Print Templates, Save Image, and
Print	Change Scale
	Layer Control - Turn layers on/off, Filter Layers,
Layers	Toggle Basemaps, Layer Settings, Layer Styles
	Legend – View the spatial items and their
Legend	symbology in the map
\bigcirc	Bookmarks – predefined locations that you can
Bookmarks	navigate to
	Swap Map - Toggle between maps
Swap Map	
	Show InfoMap in a full window/screen
Full Screen	
542	Configure Map Settings
र्ट्ट Settings	
	Select Features
Restandle Polycon Circle Line Point	- Use different Select methods shown
Rectangle Folygon Circle Line Form	below
	Select by Rectangle
	Select by Polygon
	Select by Line
Select by Ene	
- + +	Add to Selection
Add Bemove	Remove from Selection
	Choose fields to select
	Clear Selection
Clear Selection	
	Drawing & Measuring Tools
Rectangle Polygon Circle Line Text Clear	Zeem In and Zeem Out
$ \oplus $	
\odot \bigcirc	Navigate Previous/Next
	Location Map
	- Interactive move Location Map to move
	main map
1 km	Auto Scale

Navigating Around

Like any modern Web GIS Application you can use your Mouse, Keyboard, or Map Navigation Icons to navigate around your map.

Mouse

When InfoMap opens you immediately have the ability to Pan/Move the map in all directions. You can also use the Wheel on your mouse to zoom in/out.

Keyboard

You can use the Arrow Keys to Pan/Move the map around. The "+" and "-" keys will zoom in/out.

Search

A standard feature is the Address, Road Name, and Suburb search at the top-right of the map window. This search is based on LINZ spatial data.

As you type in an address, road name, or suburb you will be prompted to choose an item to search.

flaxmill	× 🌣	Q
12 Flaxmill Road, Wairoa		
45 Flaxmill Road, Wairoa		
51 Flaxmill Road, Wairoa		

Change Search

You can change the search by clicking on the "Cog" next to the search button. This will pop up a window showing available searches. Select a different search and then use the search tool to search for map features in that search.

Search Engines		×
Select search engine from the following list	:	
Name	Description	
Road Name Search	Road Name Search	
Street Address Search	Street Address Search	

Configuring Searches

Your administrator can configure searches that can find information from the layers in each map. For example, park name, cemetery plot id, etc.

Selecting Features on the Map

To select features on the map use the "Select Features" tool is on the main toolbar.

Instructions – Select by Rectangle

1. Click on the Select Features tool and choose "Select by Rectangle".

2. Click and hold the left mouse button on the map, then drag a rectangle. Any objects that intersect that rectangle will be selected.

Instructions –Select by Point

- 1. Click on the Select Features tool and choose "Select by Point".
- 2. Click on a point on the map. Any objects that intersect that point will be selected.

Instructions –Select by Circle

- 1. Click on the Select Features tool and choose "Select by Circle".
- 2. Click and hold the left mouse button on the map, then drag a circle. Any objects that intersect that circle will be selected.

Instructions –Select by Polygon

- 1. Click on the Select Features tool and choose "Select by Polygon".
- 2. Click a starting point on the map. Next click more points on the map so draw an area around some features. To close the area click back on the first clicked point. Any objects that intersect that circle will be selected.

Instructions – Add/Remove from Selection

- 1. To add a feature to your existing selection click on the Select Features tool and choose "Add to Selection".
- 2. Use the same method to select more features. The result will be added to your existing selection.
- 3. To remove a feature from your existing selection click on the Select Features tool and choose "Remove from Selection".
- 4. Select features that you want to remove.

Swap Map

Toggle between different maps and stay in the same location.



Layer Control and Options

The Layer Control has 5 functions to it: Manage layers e.g. turn layer on/off, Show the Legend, Manage Annotation drawing, Change BaseMap, and Add new layers (not working).

Layers

Layer Control 📃 _	_ ×
ilter Layers	-
Boundary	
▼ 🗹 🖉 Regulatory	
Building Consents	-
Resource Consents	
🔻 🗹 🦈 Dog Registration	=
🛒 Dangerous Dog	
🛒 Menacing Dog	
Selected Owner Policy	
🛒 Standard	
🛒 Working Dog	
🕨 🗹 💒 EPB Licence	:=
🗹 🗖 Pool Licence	:=
220035 Appx2 Subdivision Scheme Plan 2	=
🔲 📕 Hotspot Contaminated Sites	=
🔲 📕 IRIS Contaminated Sites	=
🔻 🗹 쪧 Building Swimming Pool	=
Building Footprint	
Swimming Pool	
Water Tank	
🔻 🗹 🖉 LINZ	
Street Address	= *

Legend



Annotation/Measure



- 1. Turn layers on/off
- 2. Toggle Basemap on/off
- 3. Filter by Layer Name
- 4. Expand layers
- 5. Layer Settings
- 6. Layer Styles
- 7. Dock Layer Control
- 8. Minimise
- 9. Close Window

Functions

- 1. View Legend
- 2. Change the size of the icons in the legend
- 3. Show only visible layers

Functions

- 1. Draw points, lines, circles, rectangles, polygons, and Text.
- 2. Style all above features.
- 3. Delete all/some annotation

Future Developments

- 1. Save Annotation
- 2. Share Annotation

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Navigation Bookmarks

Navigation Bookmarks help users move around your map e.g. Towns within a District. These are configured in the InfoMap CMS.

Bookmarks	🖻 🗙
Click on one of the bookmark locations belo on that location.	w to center the map
Awamate	A
Frasertown	
lwitea	
Kihitu	
Kotemaori	
Mahanga	
Mahia Beach	
Marumaru	
Mohaka	
Morere	
Nuhaka	
Onepoto	
Opoutama	
0 I 0 I	•

Print Map

The Print Map function also exports a map as an image. You can choose a template, change its scale and resolution, and add a title to the map. Map Templates are now built in QGIS.





Docking Windows

Most windows that pop up in InfoMap can be docked to the left side of the screen. The icon to dock

or undock a window is 💽 to dock and 🖽 to undock.

You can dock more than one window to the left side of the screen and toggle between them by clicking the window title at the bottom left.



InfoMap Settings

InfoMap has some user settings that will save in the users web browser cache.

Visible Items lets you turn parts of the InfoMap application on of off.

InfoMap Settings		×
Settings Visible Items Map Resolution Map Rendering General Settings Logout	 Visible Items Show Tool Bar Show Header Show Tool Names Show Footer 	

Map resolution makes the symbols and text on the map larger or smaller.

InfoMap Settings	\mathbf{X}
Settings Visible Items Map Resolution Map Rendering General Settings Logout	Smaller Larger Adjusts the map symbol and font size. This will be seen the next time the map redraws or you can click on the 'Redraw Map' button below to see the difference immediately. Reset Resolution Redraw Map'
	Close

Map rendering allows you to various display and redraw options.

InfoMap Settings		×
Settings Visible Items Map Resolution Map Rendering General Settings Logout	Map Rendering Preferences Map Draw Mode Tiled all layers Tiled Individual layers All layers full screen Individual Layers full screen Tile Size 64 (Very small tiles - maybe suitable for mobile devices) 128 (Small tile size possible useful for mobile applications or when bandwidth is a concern) 256 Recommended (This is the most common and widely supported tile size. It's used by many popular mapping services and libraries, including Google Maps, OpenStreetMap, and Leaflet.) 512 (This size is becoming increasingly popular, especially for high-resolution displays. It's used to provide more detailed tiles with fewer requests.) 1024 (Useful for high-resolution displays with good band width, minimises the number of tiles	

General settings is for using your location and changing selection and highlight styles.

InfoMap Settings		×
Settings Visible Items Map Resolution Map Rendering General Settings Logout	General Settings Show My Location Set selection and highlight styles	
		Close