

NZ Health EMERGEO GEOGRAPHICAL INFORMATION SYSTEM Quick Reference Guide

Emergeo is an emergency management GIS application that is integrated with WebEOC.

Opening Emergeo

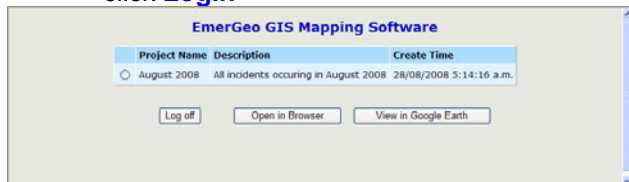
Emergeo Browser can be accessed in two ways:

1. Via a web-browser

- Go to <http://moheoc.moh.govt.nz/emergeobrowser/login.aspx>
- or use the 'Emergeo Mapping' link on the WebEOC control panel



- select **Organization 'Health Sector'** from the drop down toolbar
- Select **'Health User'**
- Role Password **'NZh3alth'** [case sensitive]
- You can user any user name or create your own
- click **Login**



Select the current project [This will correlate to either the current month or the incident that is being dealt with]

- Check the appropriate button next to the project and then
- click **Open in Browser** or
- click **View in Google Earth**

'View in Google Earth' requires google earth to be installed on the local computer you are using. It will export a file and open it in google earth showing all WebEOC event data as well as other google earth data.

2. Via WebEOC

A number of input forms, such as the **Position Log** have the ability to 'geo-reference' that information against a point on the map.

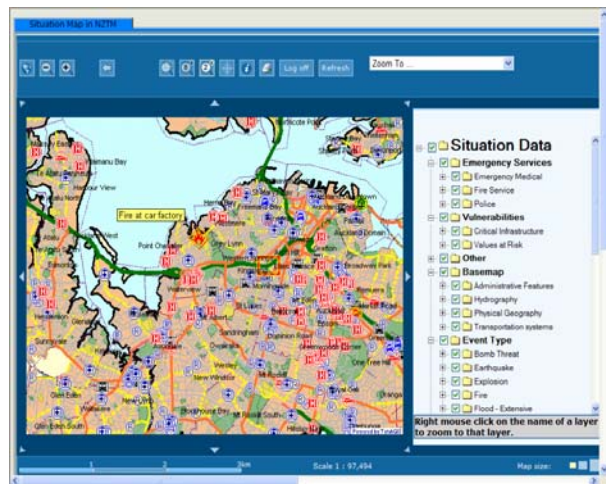
Clicking the **Plot Map Location** button will open the browser window. Follow the instructions on screen to select the point and enter the coordinates back to WebEOC

Some WebEOC forms will also allow you to search by an address.

When reviewing data, for example an **EOC Sig Event Log**, any entry that has been geo-referenced will have a **View on Map** button which will open the browser window.

Navigating Emergeo

Regardless of how it is accessed Emergeo Browser operates in the same way. The left hand window shows the map view, whilst the right shows the GIS data layers available. If a check box next to a layer is checked it will become visible when the map is next refreshed. The function icons along the top allow you to control the map.



Adding Data Layers

Liaison Officers assigned to CDEM EOCs and others may receive maps, plume prediction, evacuation zones etc that can be added as GIS data to emergeo so that all users can view it.

These should be obtained in the **NZTM Projection** and then entered as a **National Sig Event** in the position log and the NHCC should be informed so that the GIS data layer can be added.

Function Icons



Zoom out to show all of NZ



Zoom out



Zoom in



Zooms to previous extent



Zooms to next extent



Zoom to rectangle drawn on map – Note

- Drawing a rectangle from top-left to bottom-right will *zoom in*
- Drawing from bottom-right to top-left will *zoom out*



or changes cursor to 8 or 2 times zoom – clicking on the map will zoom in on that point



Selecting this and clicking on the map will re-centre on that point. Note there is no “pan” or hand grab function but this may be used in a similar way.



Selecting this and clicking on the map will open a window displaying information about all GIS data layers at that point



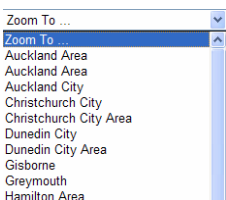
Print the current map view



Log off your current user



Refresh the map view – this will apply any new data layers you may ticked and also look for updates on the server. *Note* Emergeo auto-refreshes every 5mins as well



Zoom to – opens a drop down list of key points and allows the map to jump straight to them

Situation Data

The situation data panel on the right hand side displays all GIS data layers. Default layers, i.e. those that are turned on initially, are pre-defined and include layers like the coast line, rivers and roads. Turning off ‘Physical Geography’ would give a very sparse map!

If there is a + symbol there are additional subdivisions available. click on the layer to expand it.

Data is grouped into several distinct areas. *Note these will evolve and grow as more data is added.*

Some key groupings are:

- **Emergency Services** controls emergency service and hospital facilities
- **Basemap** relates to physical geography and features
- **Other** contains data from other agencies such as CDEM

This is where data from another agency such as CDEM evacuation zone would be posted


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- **Event Type** shows all WebEOC position log entries
- **DHB Regions** controls DHB specific information. For example Hawkes Bay contains additional GIS data layers from an internal GIS system
- Checking the DHB Region box for a particular DHB will shade that DHB region – allowing easy identification of boundaries.

Why are there so many entries on the NZ map?

WebEOC may be running multiple simultaneous incidents, for example every DHB, but will only display one Emergeo ‘project’. This is because you may need to see events occurring in an adjacent incidents area. If Emergeo were linked to your WebEOC incident only you would not see any other events. This does mean however that at large scale views a lot of incident data may be visible.

Viewing data

Clicking on the  and then the map will return a table with all the GIS data layers for that point.

Coastline Region - 1	
NAME	New Zealand Coastline
Community of Interest Region - 2	
NAME	Kew
COI_ID	527
DHB Boundary Regions - 3	
DHB	Southland
DHBSHORTNA	SLD
DHBCODE	21
Hospital Buildings region - 4	
ID	307
PARENT_ID	19
Hospital Region - 5	
ID	19
NAME	Southland Hospital
LOCATION	INVERCARGILL
ADDRESS	145 Kew Road
POSTAL	PO Box 828
TEL	(03) 214 4190
FAX	(03) 214 4190
Building or Site Plans	Southland Hospital Map
Floor Plans	Southland Hospital Ground Floor
Floor Plans	Southland Hospital First Floor
Photo	Southland Hospital photo
Land Region - 6	
NAME	South Island
Sea Region - 7	
ID	0

Blue [hyperlink](#) text will open either a webpage or download that file from the emergero server.

Further instructions are available at:

www.moh.govt.nz/emergencymanagement-webeoc