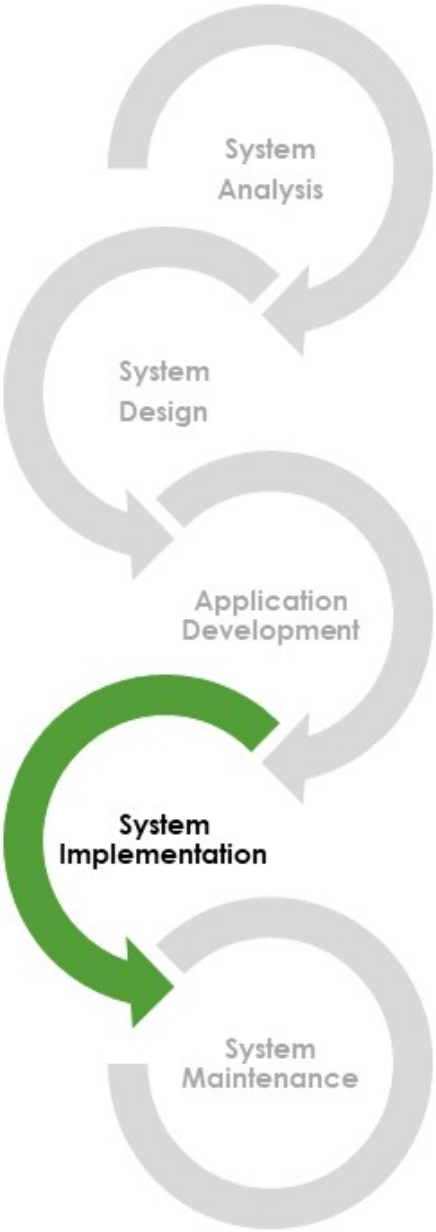
GEOPORTAL PHILIPPINES: MAP VIEWER



SYSTEM USER MANUAL

Geospatial System Development Division
Geospatial Information System Management Branch

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1 DOCUMENT PROPERTIES

1.1 DOCUMENT ATTRIBUTE

SYSTEM	Geoportal Philippines: Map Viewer
TYPE	System User Manual
DATE	07 December 2023
AUTHOR	Melvin O. Perez, Gerardo B. Tanabe
LOCATION	\\N-GISMB-GSDD01\GSDDProjects\GeoportalPhilippines\System Implementation\System User Manual

1.2 DOCUMENT VERIFICATION

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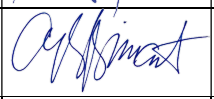
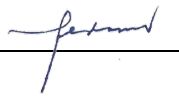
Romel J. Francisco	M	OIC, Chief		12/11/2023
Arlene B. Brillantes	F	OIC, Assistant Director, GISMB		12/12/2023
Febrina E. Damaso	F	Director, GISMB		12/12/2023

2 BACKGROUND

The Geoportal Philippines: Map Viewer will provide the general public an online platform for sharing geospatial data produced by government agencies. It will also provide infographics and saved queries.

3 HARDWARE/SOFTWARE REQUIREMENTS

Minimum hardware requirements:

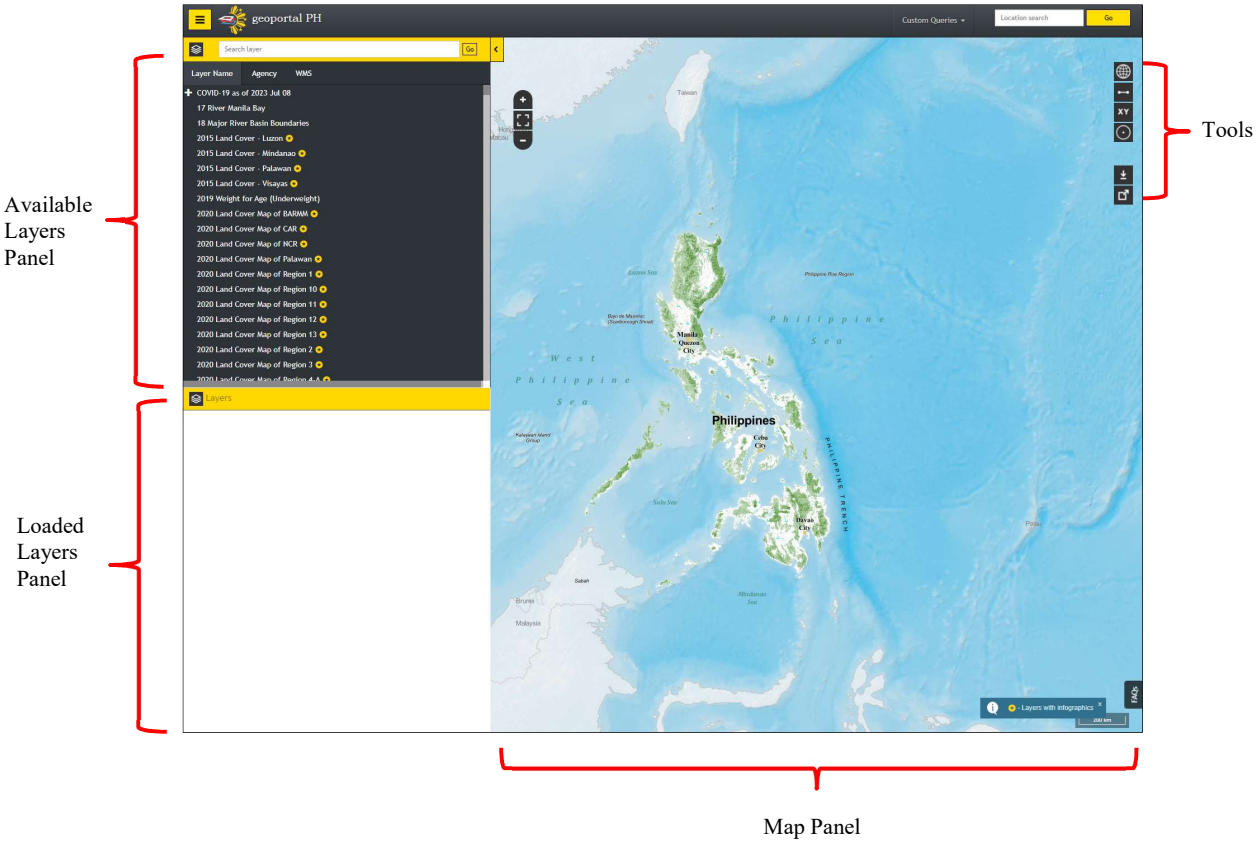
- Operating System: Windows 7 / Windows 8 / Windows 10
- Processor: Intel® Core™ 2 Duo or AMD Athlon™ 64 X2 5600+
- Video: NVIDIA® GeForce® 7600 GT or ATI™ Radeon™ HD 2600 XT or Intel® HD Graphics 3000 or better
- Memory: 2 GB RAM
- Internet: Broadband Internet Connection
- Resolution: 1024X768 minimum display resolution

4 GETTING STARTED

4.1 HOW TO LAUNCH THE MAP VIEWER

4.1.1 Open a web browser and go to **https://www.geoportal.gov.ph**.

4.1.2 The **Geoportal Philippines** page will be displayed.



Available Layers Panel

- Displays the list of all available layers that you can use. You can browse the layers by Layer name, by Agency, or WMS.

Loaded Layers Panel

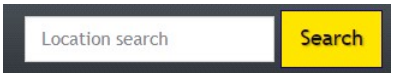
- Displays all the layers that are currently loaded onto the map and corresponding legends.

Map Panel

- Displays the basemap and layer overlays.

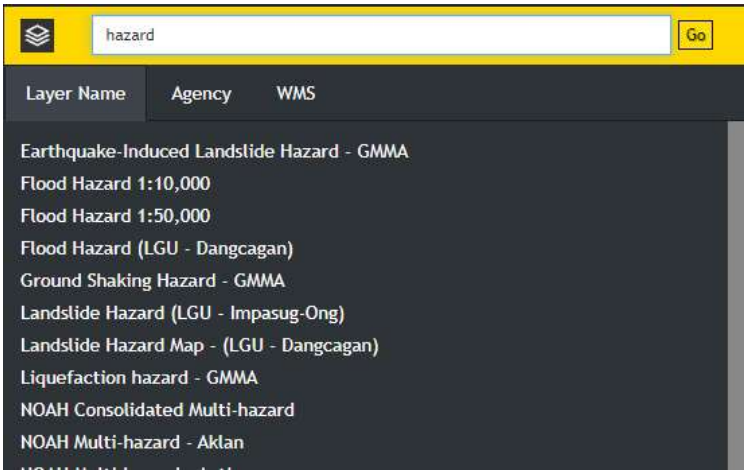
Tools

	Zoom in This is used for zooming in to the map.
	Zoom out This is used for zooming out of the map.
	Zoom to Extent This is used to zoom the map to the whole extent of the Philippines.
	Switch Basemap This provides different basemap options to use. Currently available are NAMRIA Basemaps, NAMRIA Ortho Image 2011 and 2013-2014 (for selected areas only), NAMRIA Ortho Rectified Radar Image, Bing Maps, ArcGIS Online, Open Street Map, and Google Map
	Measure tool This allows the user to measure distance or area on the map.
	Goto XY tool This allows the user to go to a particular location on the map by encoding coordinates.

	Buffer tool This allows the user to create a buffer from a point, line, circle, or polygon.
	**Location search** This allows the user to go to a certain location on the map.
	Download This allows the downloading of open-loaded layers.
	Export Map This allows exporting of the current map view along with basemap and loaded layers in PNG format.

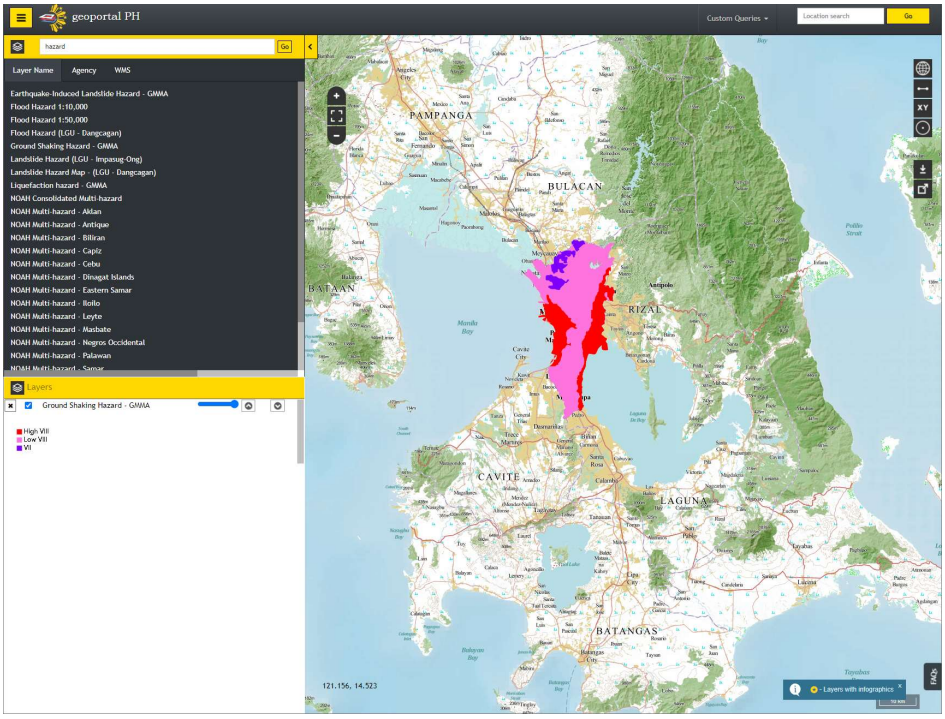
4.2 HOW TO SEARCH A LAYER

4.2.1 In the **Search** textbox input a keyword (e.g. “hazard”).
4.2.2 Click the **Go** button.



A list of matching layers will be displayed.

4.2.3 Click the desired layer.

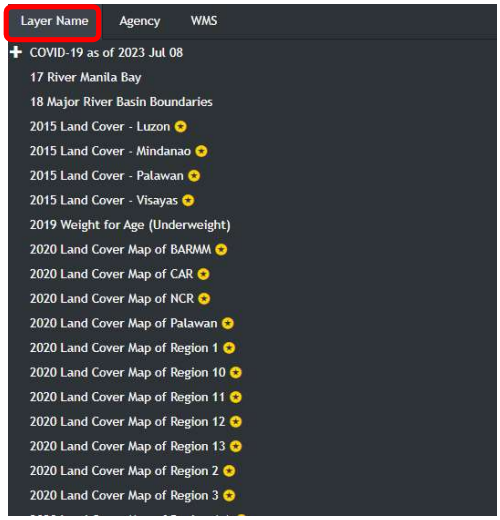


The selected layer will be displayed and added to the **Loaded Layers Panel.** The corresponding legend will also be displayed.

4.2.1 Clear/delete the **Search** textbox value to display all layers.

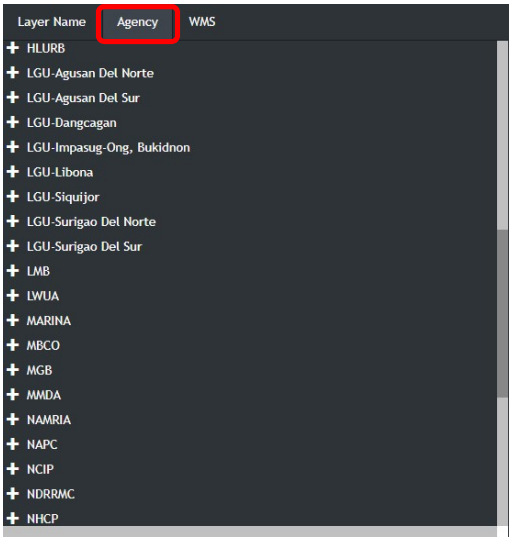
4.3 HOW TO BROWSE LAYER

4.3.1 In the **Available Layers** panel. Click the **Layer Name** tab to display the layers sorted alphabetically.

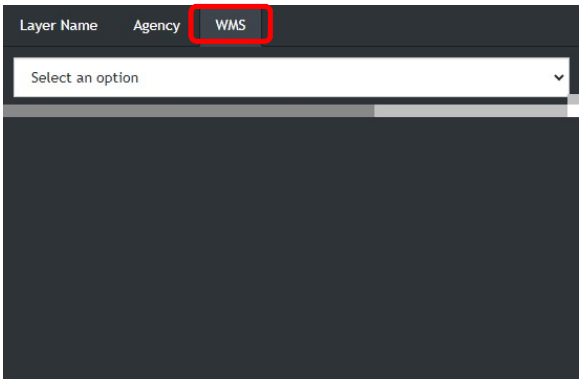


Note: Layers with have infographics

4.3.2 In the **Available Layers** panel, Click **Agency** to display the layers by Agency.



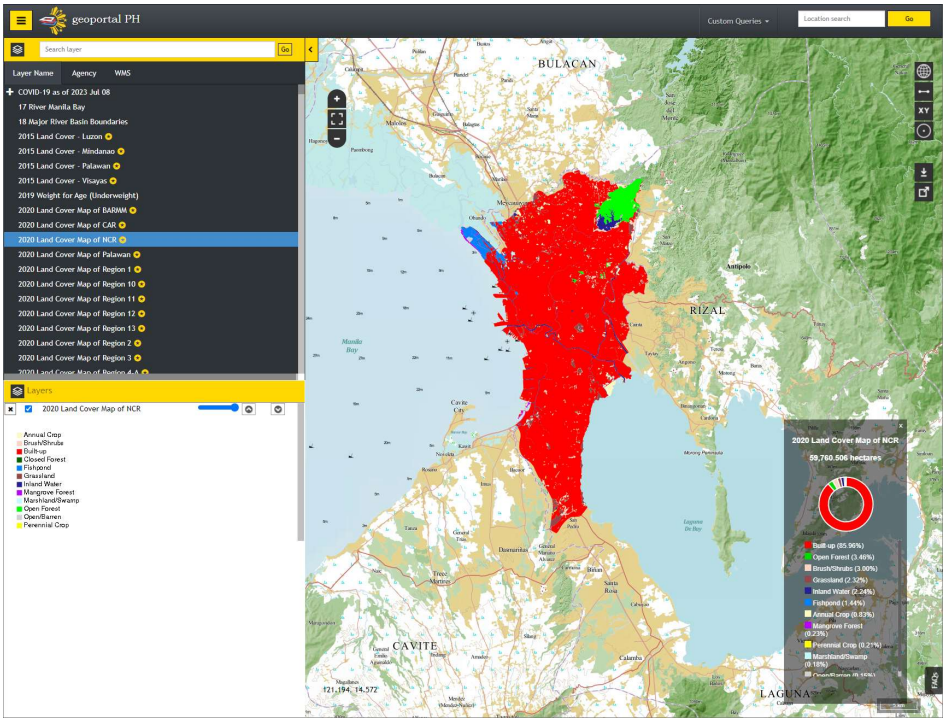
4.3.3 In the **Available Layers** panel, Click **WMS** to display the layers by WMS.



4.1 HOW TO LOAD A LAYER

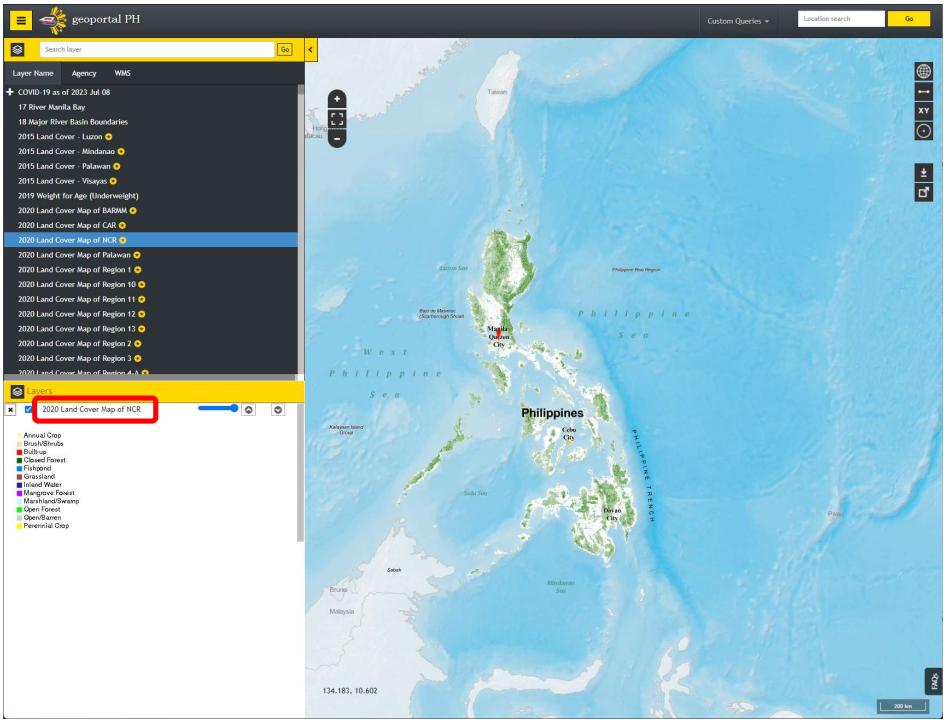
4.1.1 In the **Available Layers** panel, select a layer to display.

4.1.2 The selected layer will be displayed on the map. It will also be added in the **Loaded Layers** panel and the corresponding legend and infographics will also be displayed. Please note that the last loaded layer with infographics will be displayed.

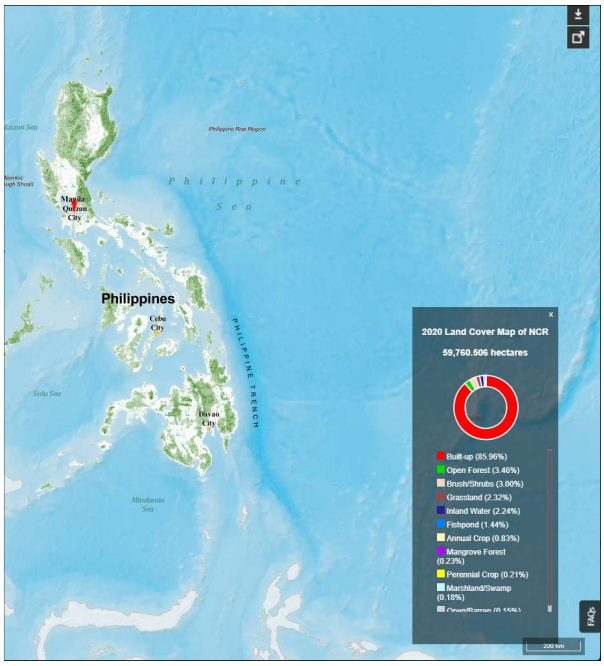


4.2 HOW TO VIEW INFOGRAPHICS

4.2.1 In the **Available Layers** panel, click on a layer with infographics.

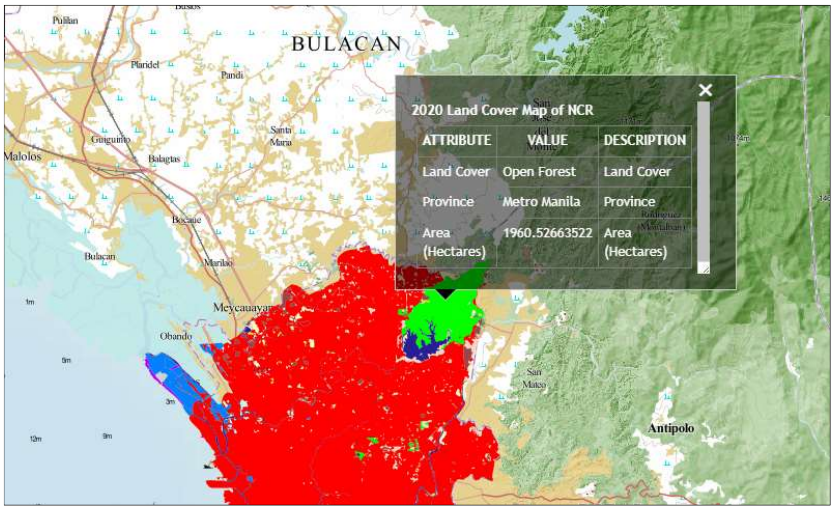


4.2.2 Infographics for the layer will be displayed



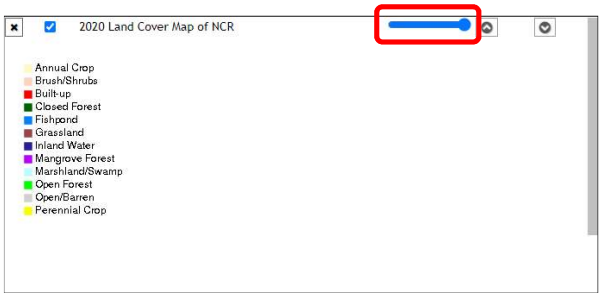
4.3 HOW IDENTIFY A FEATURE

4.3.1 In the **Map panel**, click on a feature.
4.3.2 The attribute of the selected feature will be displayed.

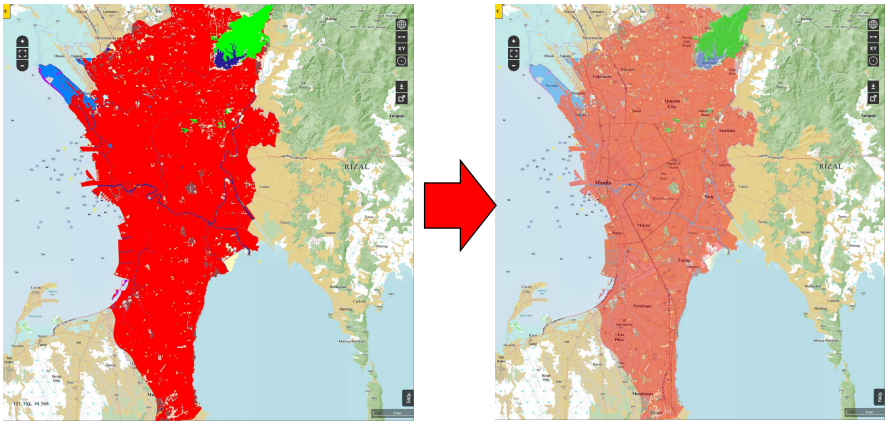


4.4 HOW TO ADJUST LAYER OPACITY

4.4.1 In the **Loaded Layers Panel**, move the slider from right to left.

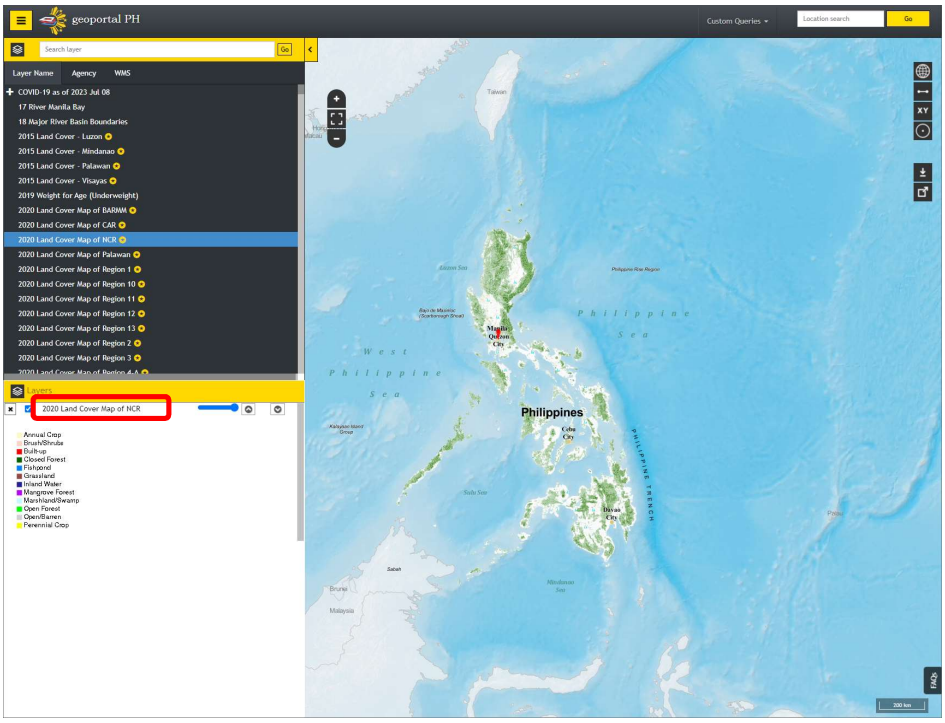


4.4.2 The opacity of the layer will be adjusted based on the slider's value.

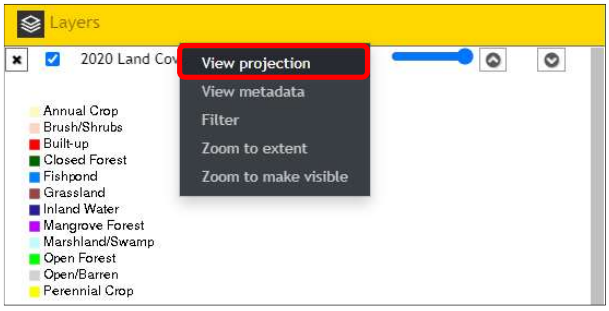


4.5 HOW TO VIEW LAYER PROJECTION

4.5.1 In the **Loaded Layers Panel**, right-click a layer.



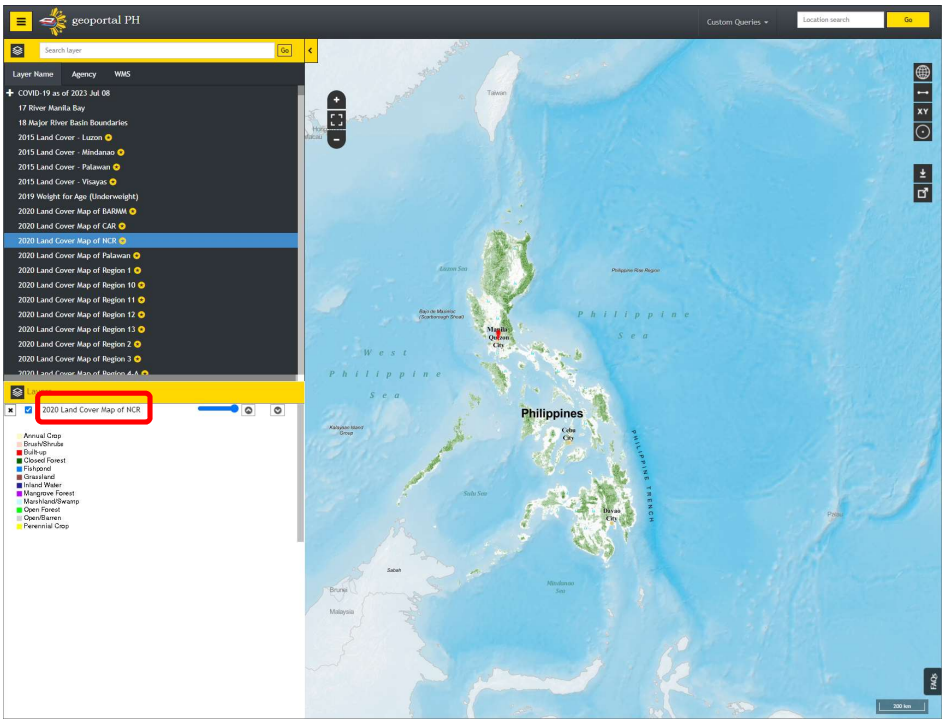
4.5.2 A context menu will appear. Click **View projection.**



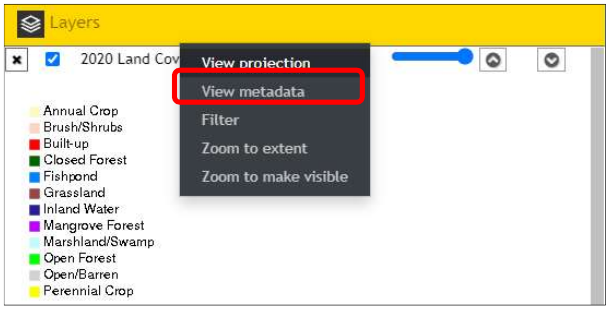
4.5.3 The projection of the selected layer will be displayed.

4.6 HOW TO VIEW LAYER METADATA

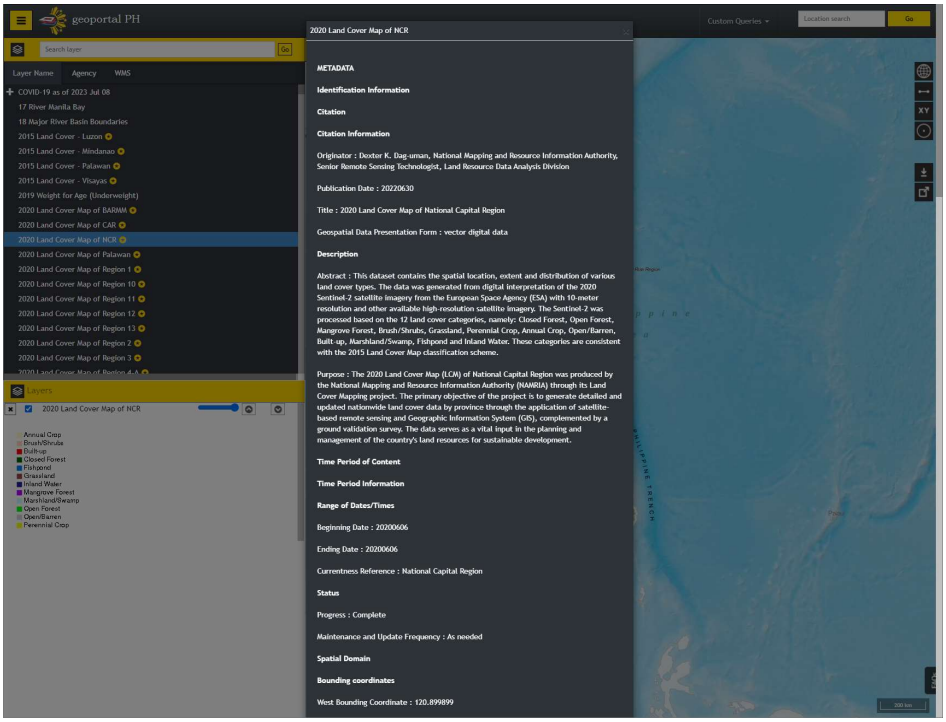
4.6.1 In the **Loaded Layers Panel**, right-click a layer.



4.6.2 A context menu will appear. Click **View metadata.**

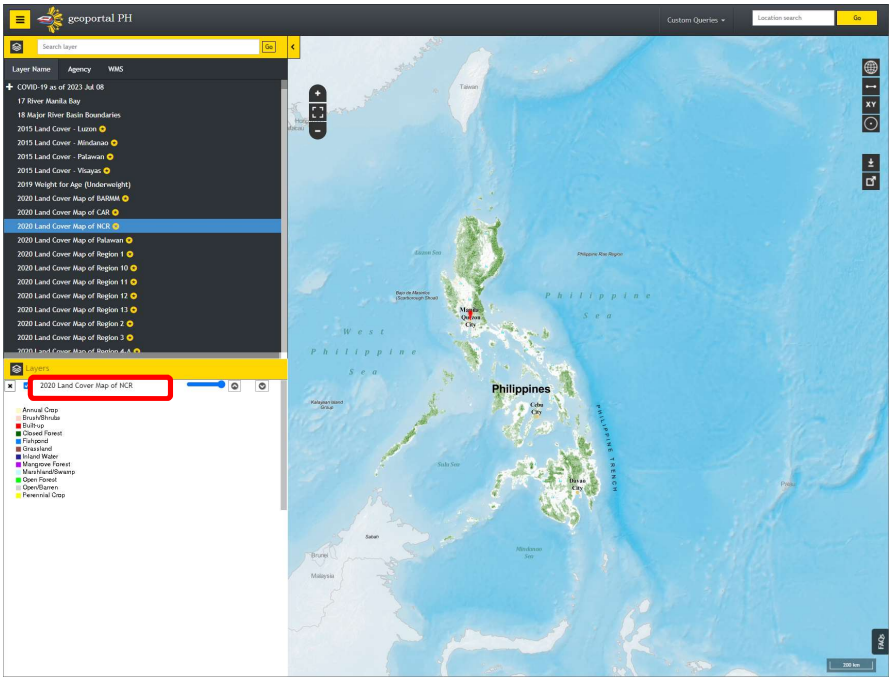


4.6.3 The metadata of the selected layer will be displayed.

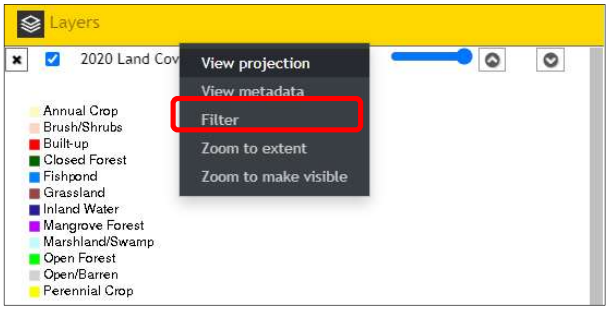


4.7 HOW TO FILTER A LAYER

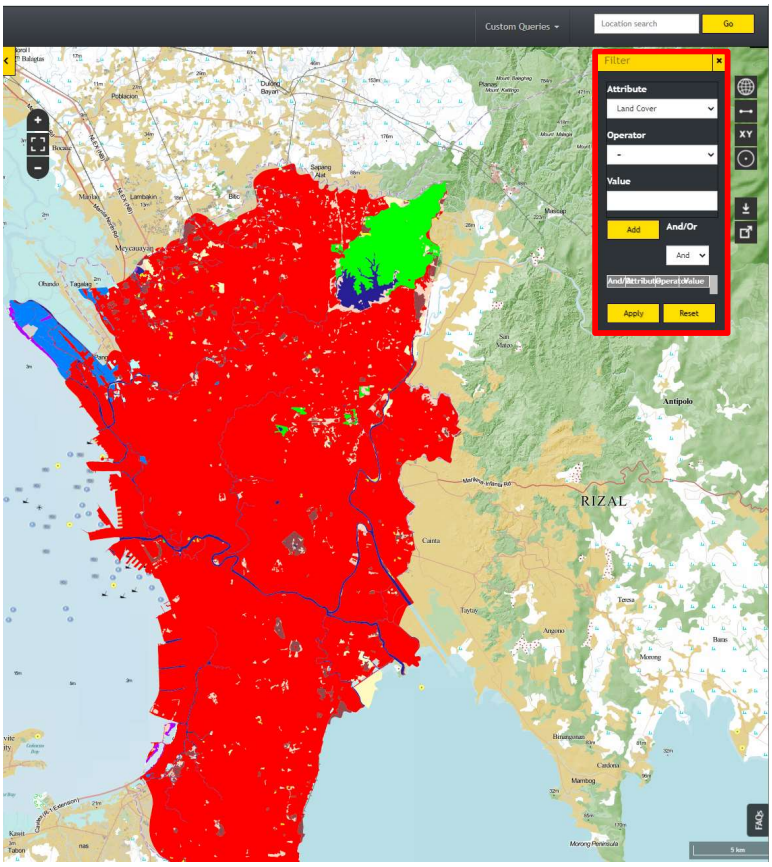
4.7.1 In the **Loaded Layers Panel**, right-click a layer.



4.7.2 A context menu will appear. Click **Filter.**

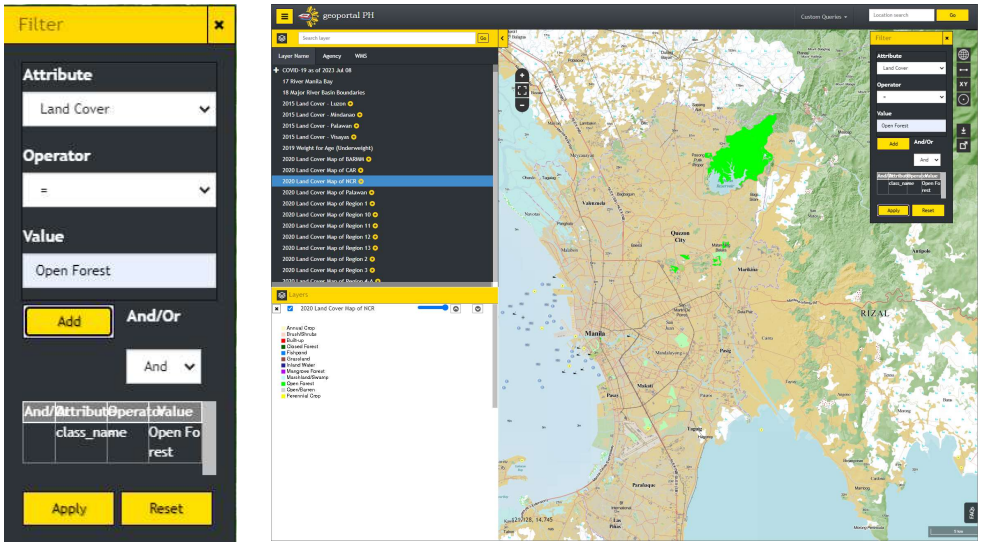


4.7.3 The filter window will appear**.**



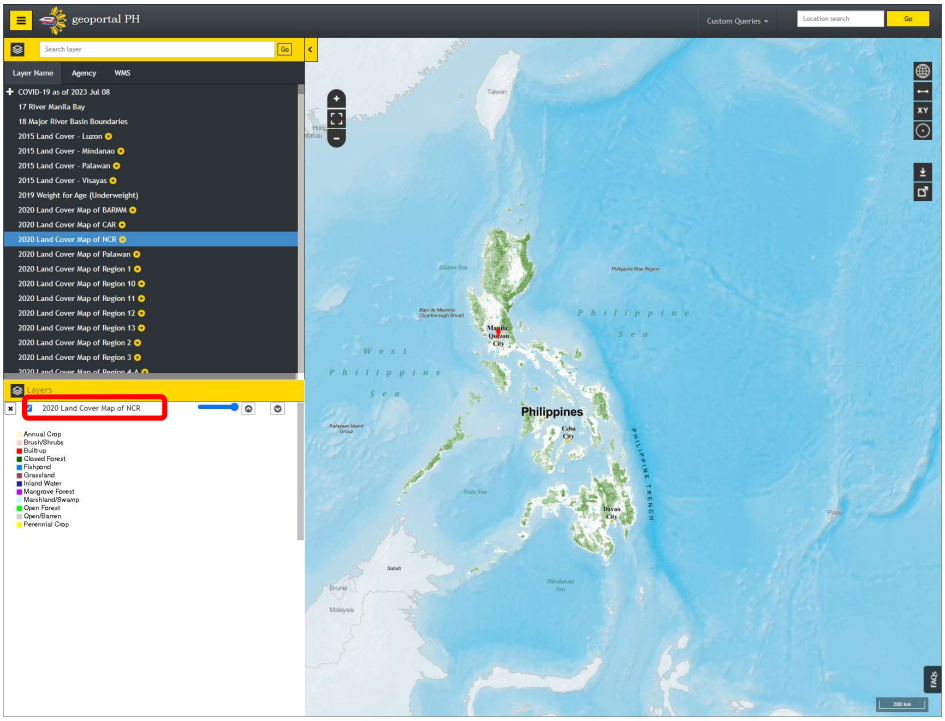
4.7.4 Select an attribute, operator, and value to be filtered. Click the **Add** button to add the filter condition (Multiple conditions can be applied to a layer). Click **Apply** to filter the layer.

4.7.5 The layer will display corresponding features based on the filter condition.

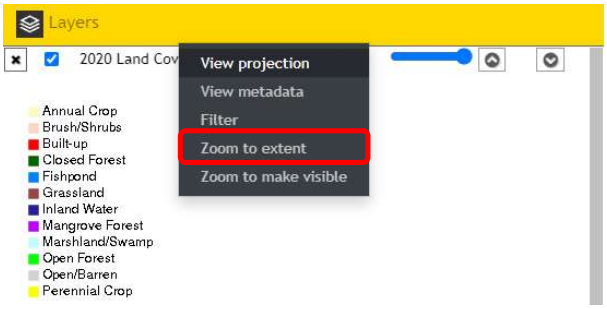


4.8 HOW TO ZOOM TO LAYER EXTENT

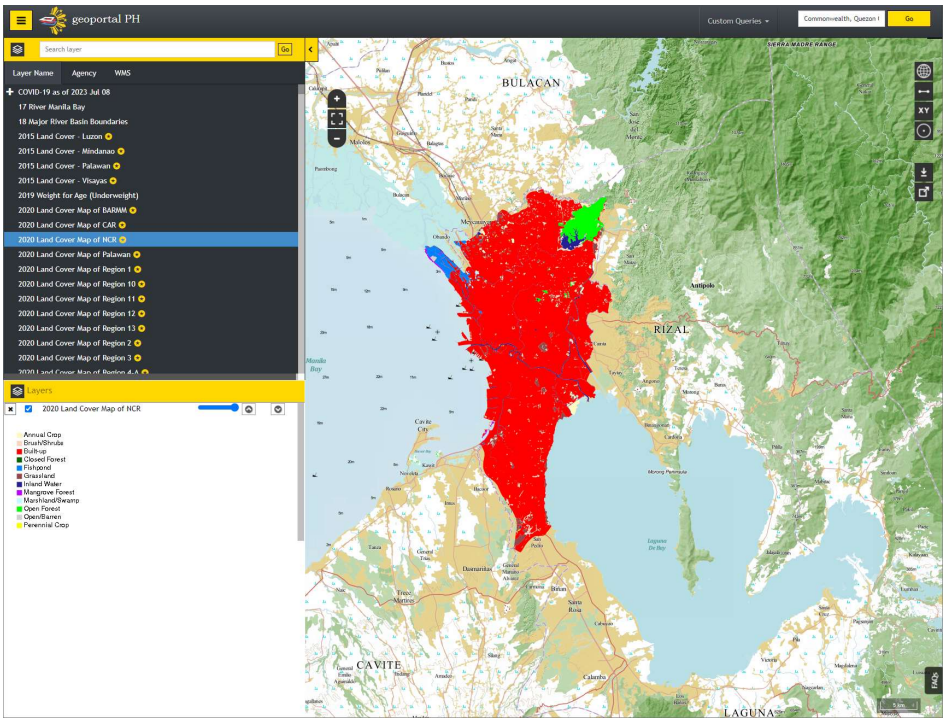
4.8.1 In the **Loaded Layers Panel**, right-click a layer.



4.8.2 A context menu will appear. Click **Zoom to extent.**

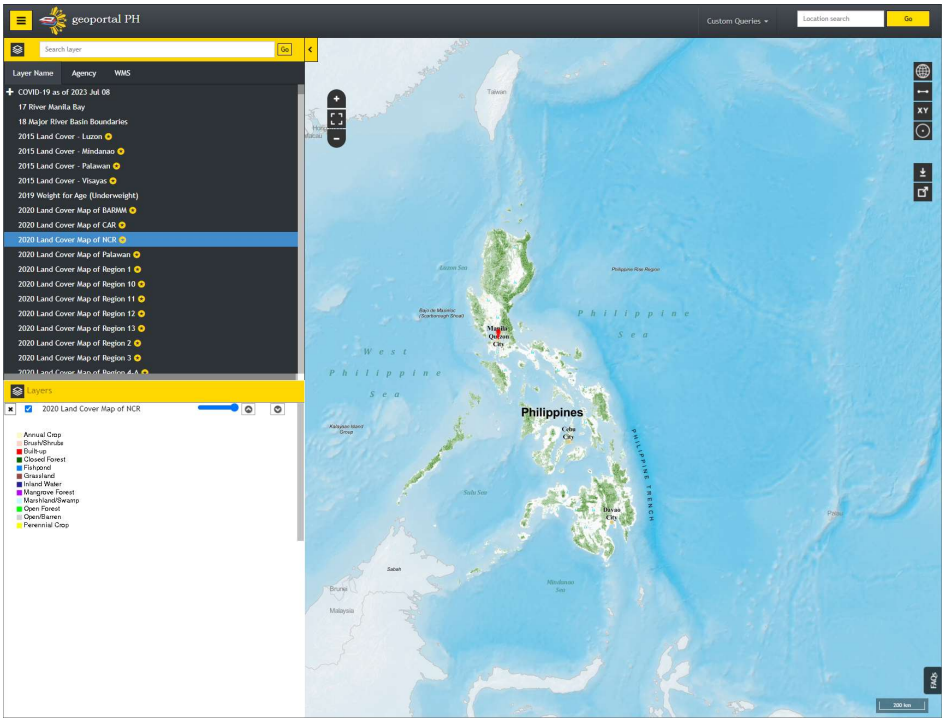


4.8.3 The map will zoom in on the layer's full extent.

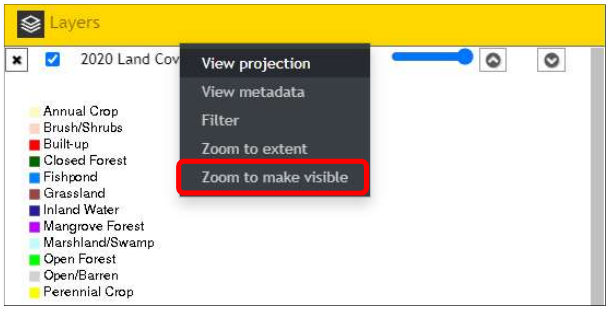


4.9 HOW TO ZOOM TO MAKE VISIBLE

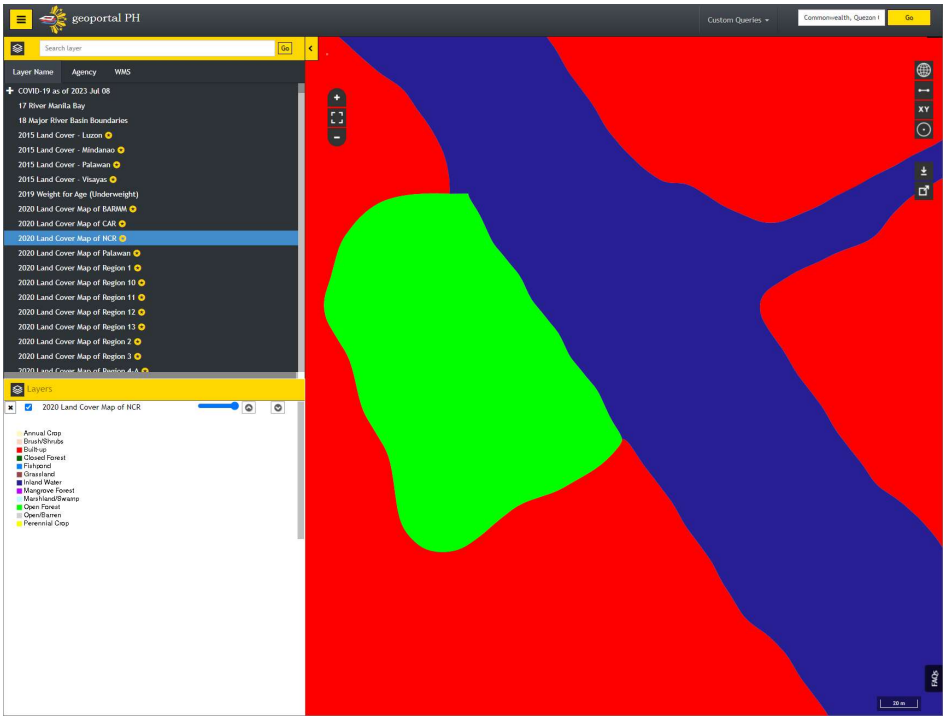
4.9.1 In the **Loaded Layers Panel**, right-click a layer.



4.9.2 A context menu will appear. Click **Zoom to make visible.**

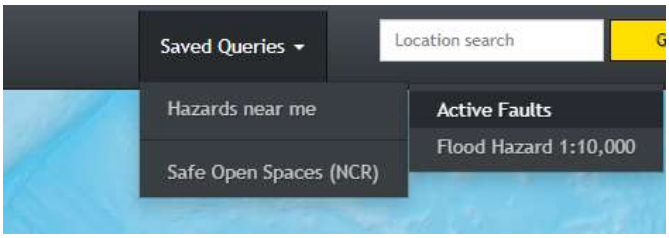


4.9.3 The map will zoom in on the layer' feature.

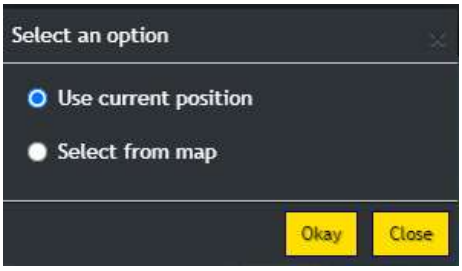


4.10 HOW TO USE SAVED QUERIES USING CURRENT POSITION

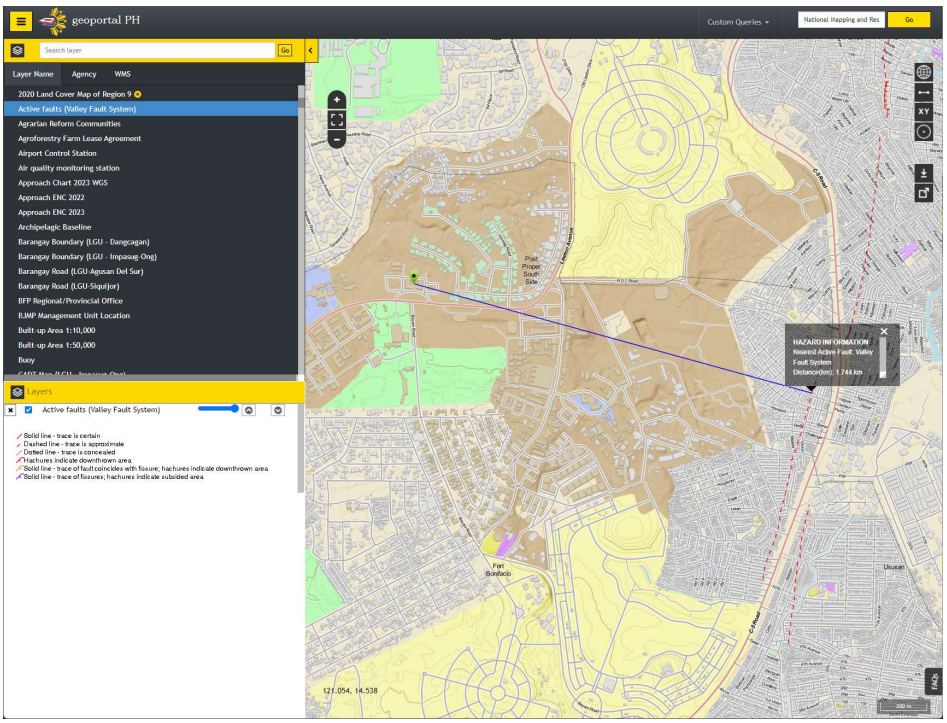
4.10.1 Click **Saved Queries** > **Active Faults**



4.10.2 The **Select option** window will appear.

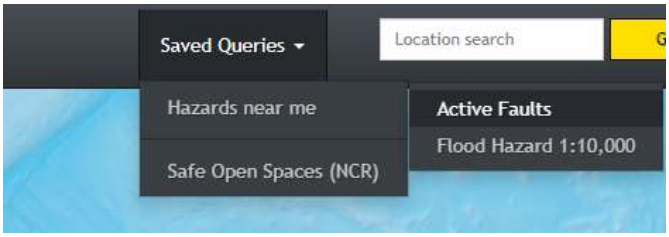


4.10.3 Leave the current selection to **Use current position** then click the **Okay** button. The map will display your current position (based on your IP address) and will determine the nearest Active Fault.

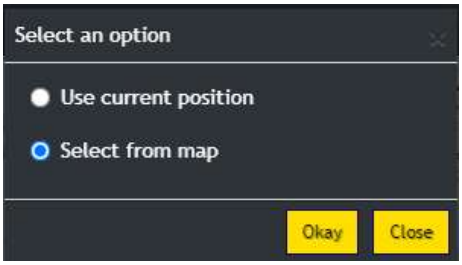


4.11 HOW TO USE SAVED QUERIES BY SELECTING LOCATION FROM THE MAP

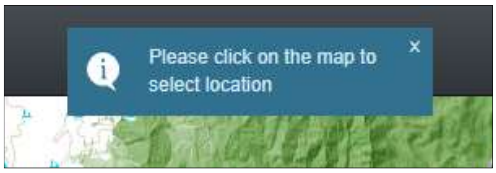
4.11.1 Click **Saved Queries** > **Active Faults**



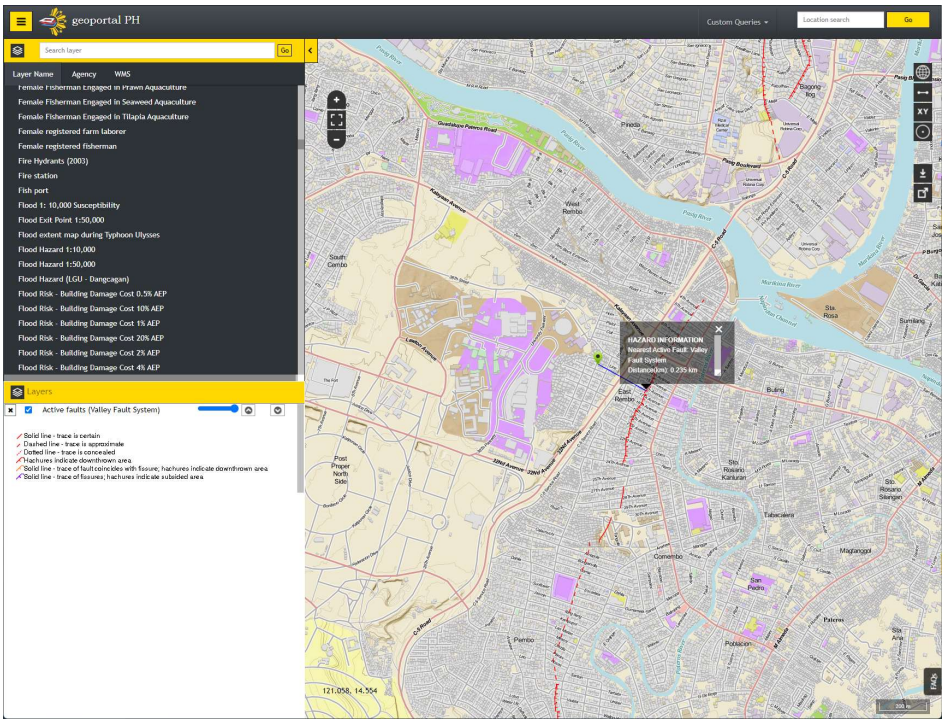
4.11.2 The **Select option** window will appear.



4.11.3 Tick **Select from map** then click the **Okay** button.
4.11.4 Click on the map to select the location.

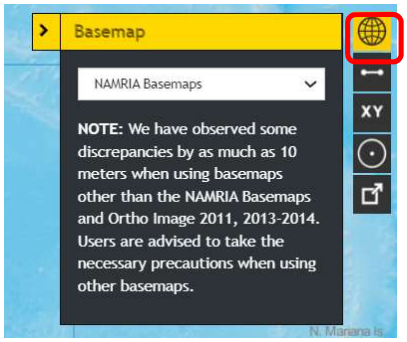


4.11.5 The map will put a marker on the selected position and will show the nearest active fault.

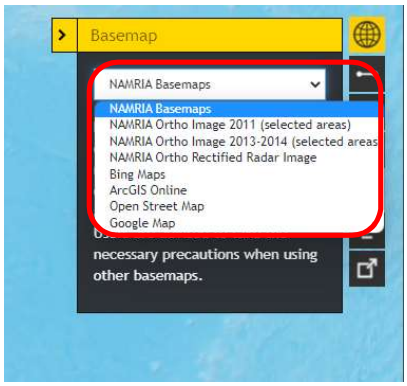


4.12 HOW TO SWITCH BASEMAP

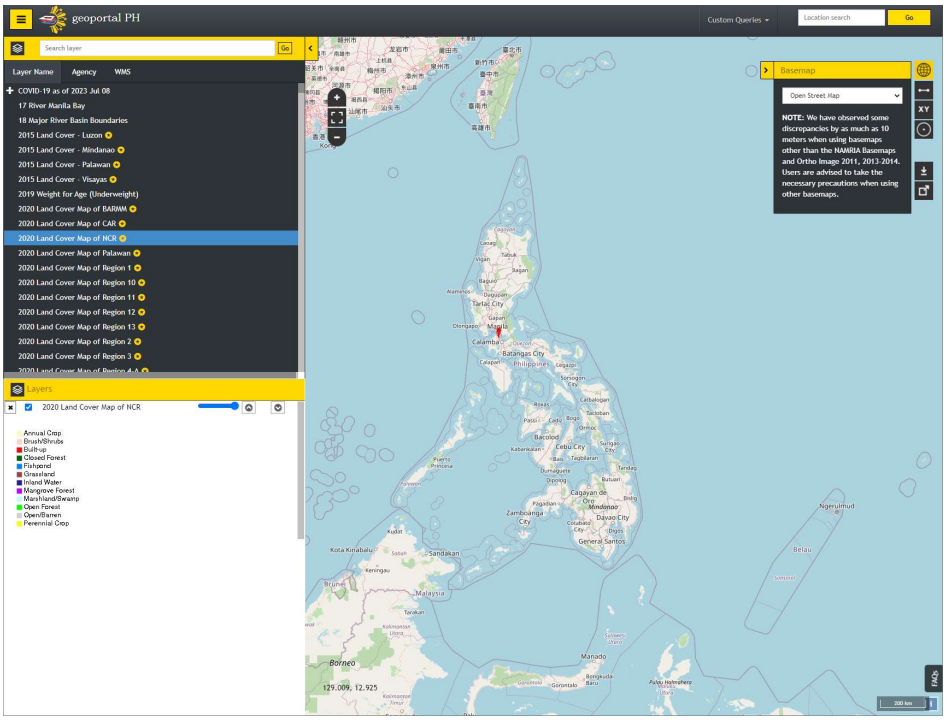
4.12.1 Click the **Switch Basemap** button and the **Basemap** dialog window will be displayed.



4.12.2 Click the **Basemap** dropdown list and select the desired basemap.



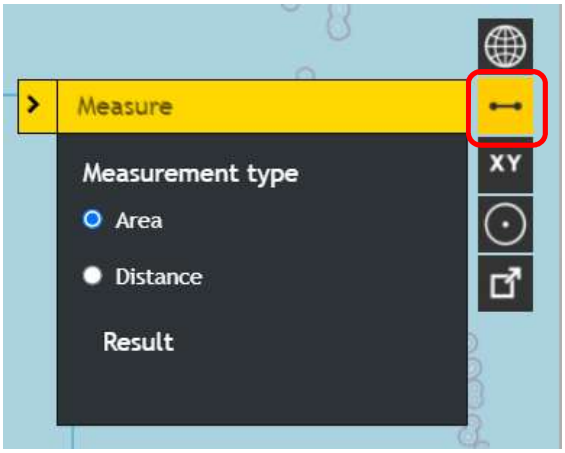
4.12.3 The **Map Panel** will display the selected basemap.



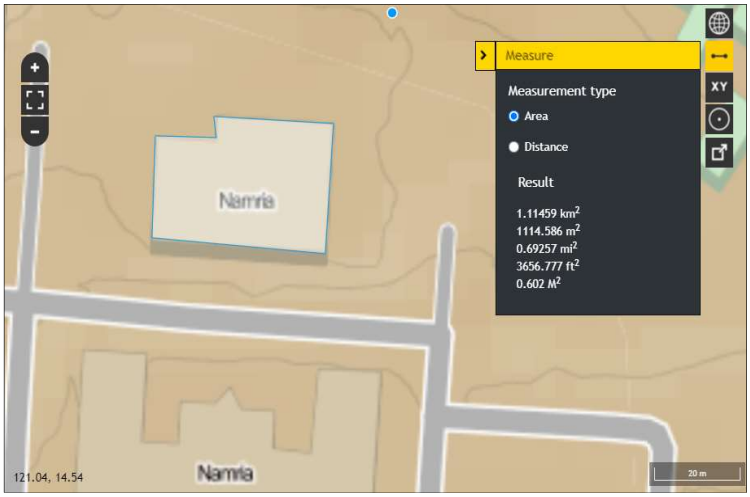
4.12.4 Click the button to close the **Basemap** dialog window.

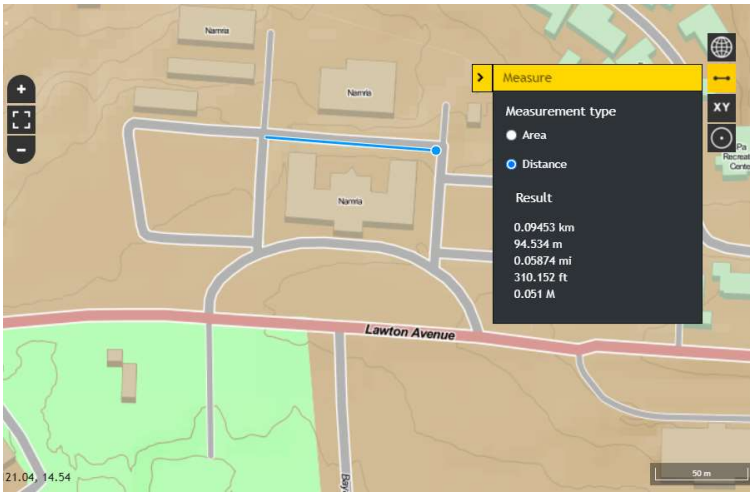
4.13 HOW TO USE MEASURE

4.13.1 Click the **Measure** button and the **Measure** dialog window will be displayed.



4.13.2 Measure an **Area** by clicking on a starting point, trace or draw a polygon by clicking on the corners of the shape you want to measure, and double-clicking to the end. For **Distance**, click on a starting point and double-click on the ending point. The result will be displayed in different units of measure.





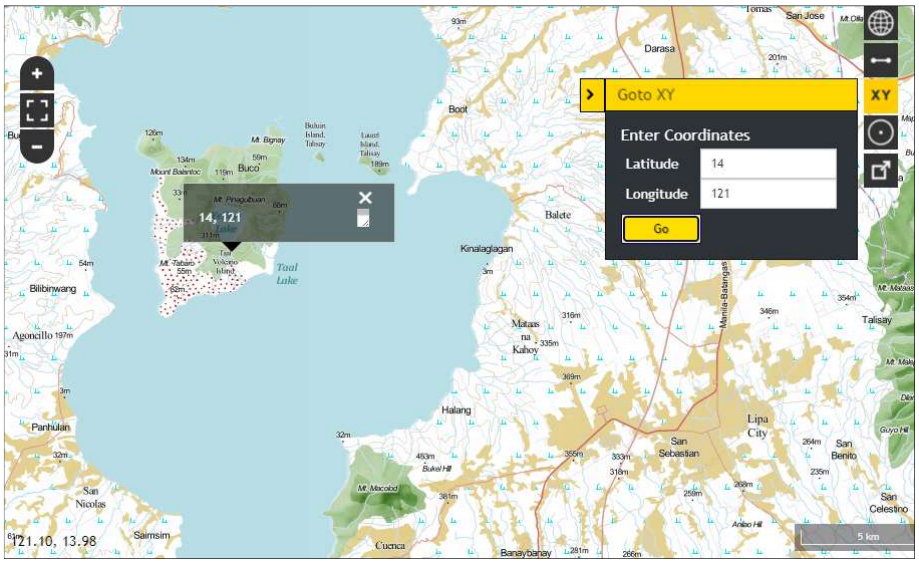
4.13.3 Click the button to close the **Measure** dialog window.

4.14 HOW TO USE GOTO XY

4.14.1 Click the **Goto XY** button and the **Goto XY** dialog window will be displayed.

4.14.2 Encode the **Latitude** and **Longitude** of a location and then click the **Go** button.

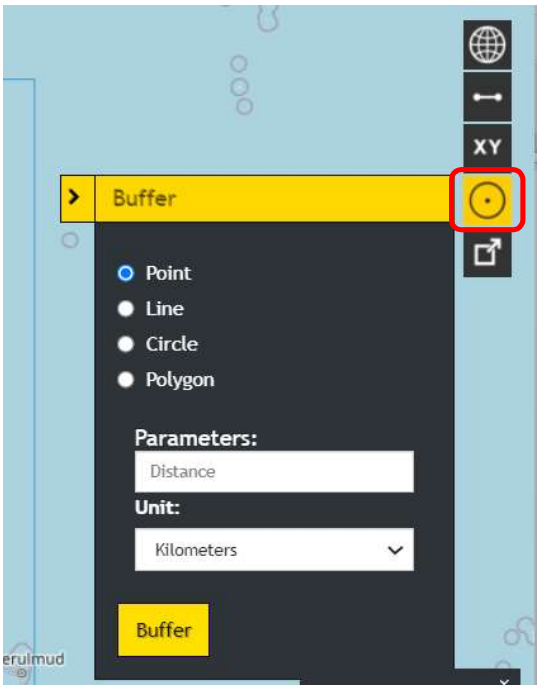
The map will zoom in on the location and will display a popup showing the Longitude and Latitude.



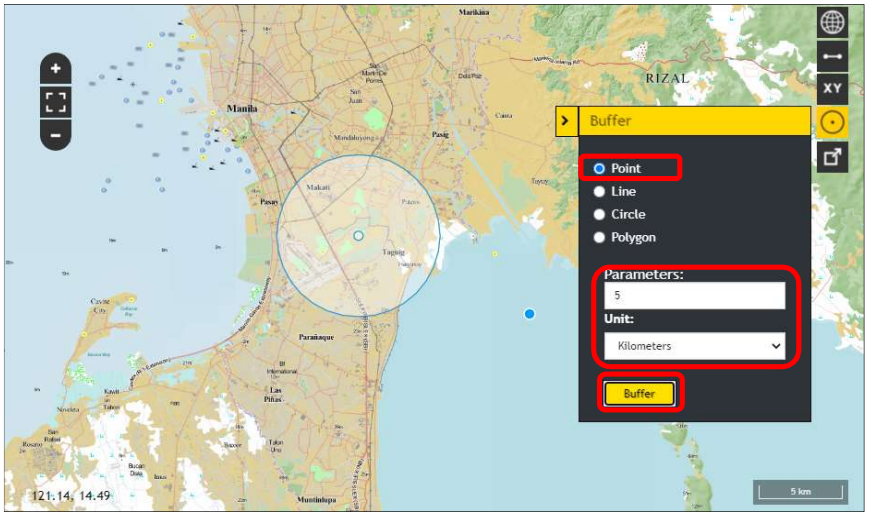
4.14.3 Click the button to close the **Goto XY** dialog window.

4.15 HOW TO USE BUFFER

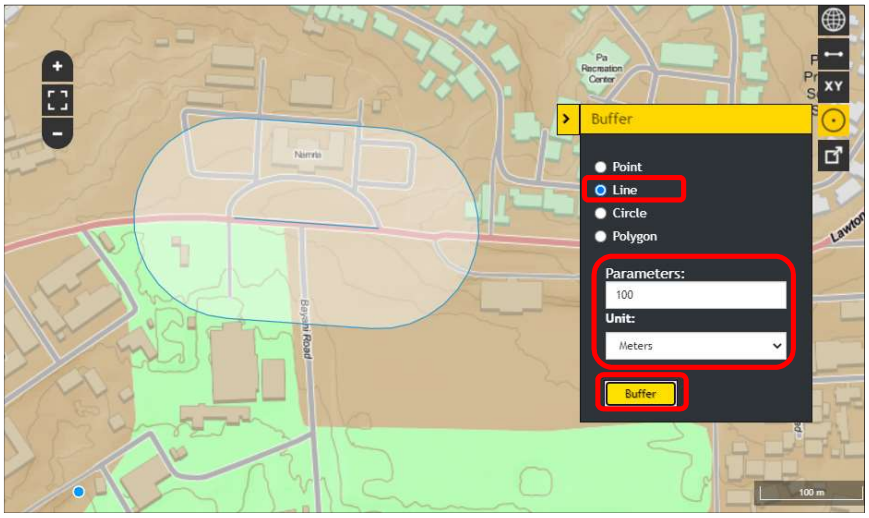
4.15.1 Click the **Buffer** button and the Buffer dialog window will be displayed.



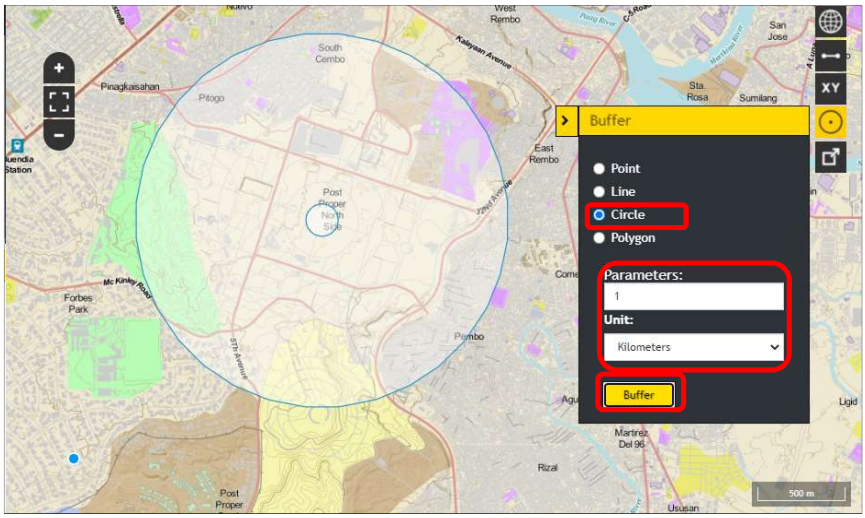
4.15.2 To create a buffer around a point, select the **Point** option. Click a point on the map. Input the desired buffer parameters (distance and unit). Click the **Buffer** button. A zone around the point measured in the specified distance will be created.



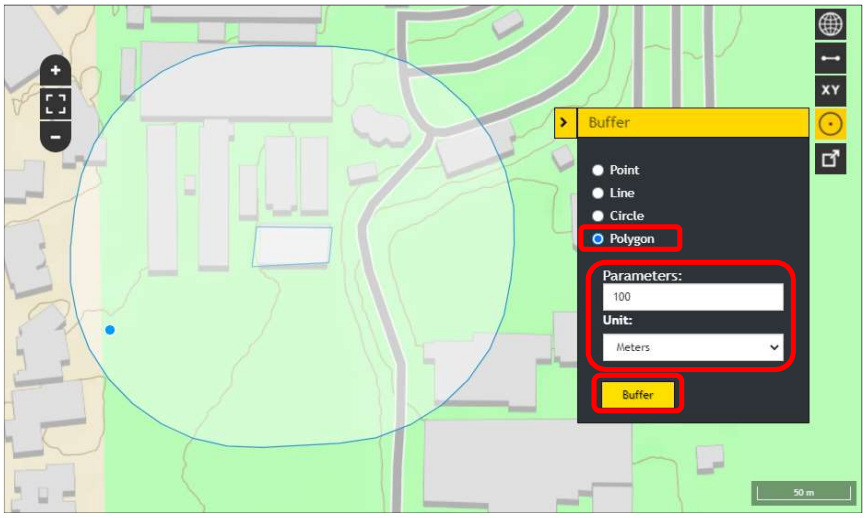
4.15.3 To create a buffer around a line, select the **Line** option. Click a starting point and double-click on the ending point to create a line on the map. Input the desired buffer parameters (distance and unit). Click the **Buffer** button. A zone around the line measured in the specified distance will be created.



4.15.4 To create a buffer around a circle, select the **Circle** option. Click a point as the center of the circle and drag outward until the desired size of the circle is reached. Input the desired buffer parameters (distance and unit). Click the **Buffer** button. A zone around the circle measured in the specified distance will be created.



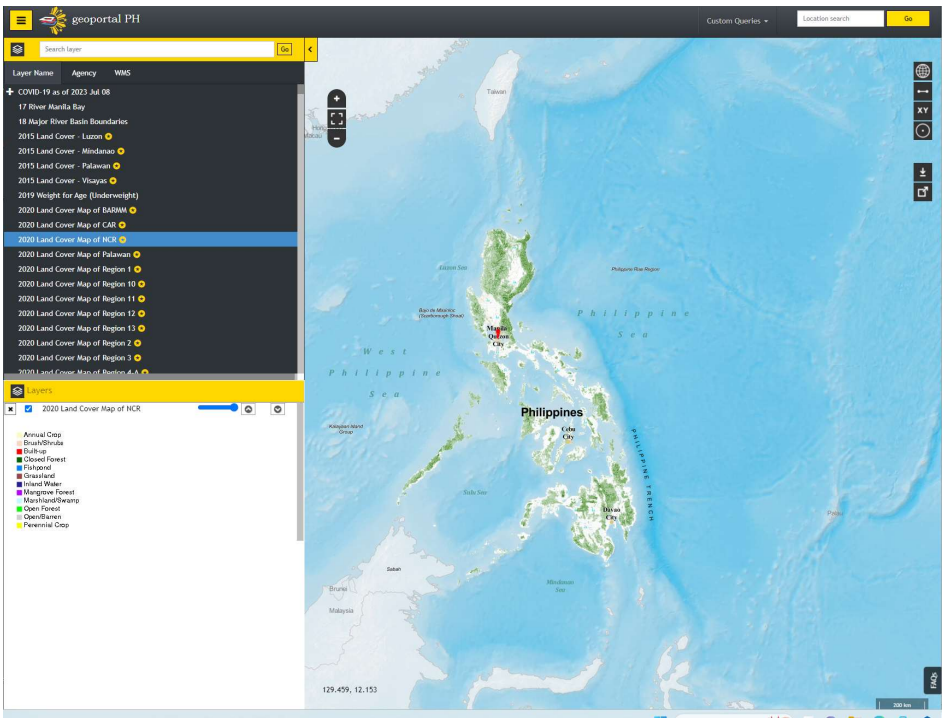
4.15.5 To create a buffer around a polygon, select the **Polygon** option. Trace or draw a polygon by clicking on the corners of the shape you want to measure. Input the desired buffer parameters (distance and unit). Click the **Buffer** button. A zone around the polygon measured in the specified distance will be created.



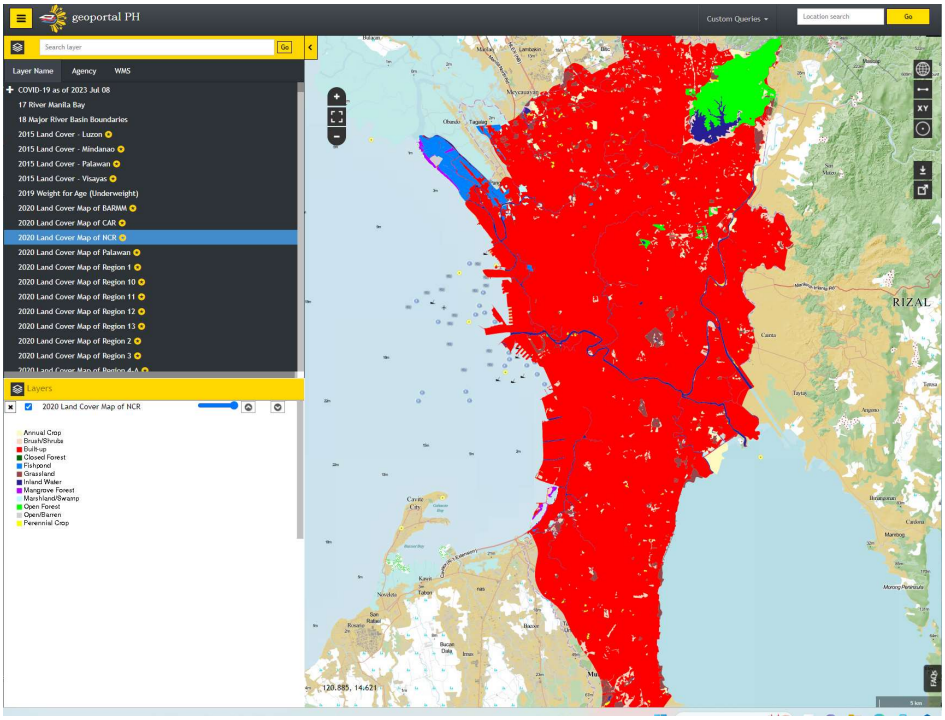
4.15.6 Click the button to close the **Buffer** dialog window.

4.16 HOW TO DOWNLOAD A LAYER

4.16.1 Click on a layer to load it on the map

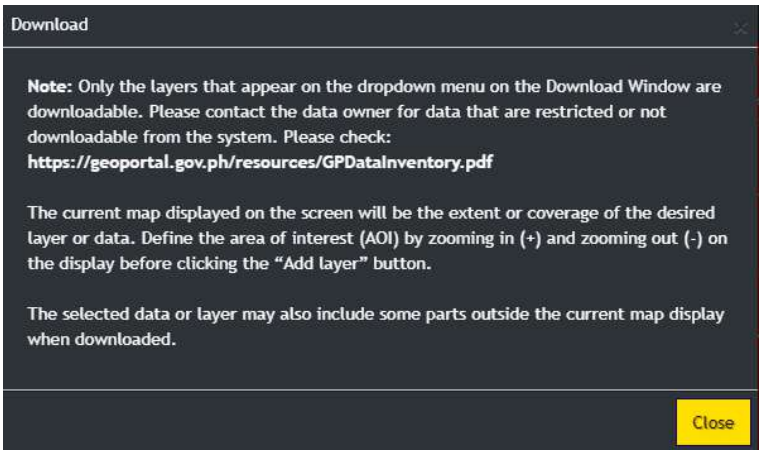


4.16.2 Zoom-in to the desired coverage or area of interest (AOI). Note: The current map displayed on the screen will be the coverage or extent of the layer for downloading. The coverage or extent will also include the feature outside the current map display if it is part of the selected line or polygon feature.

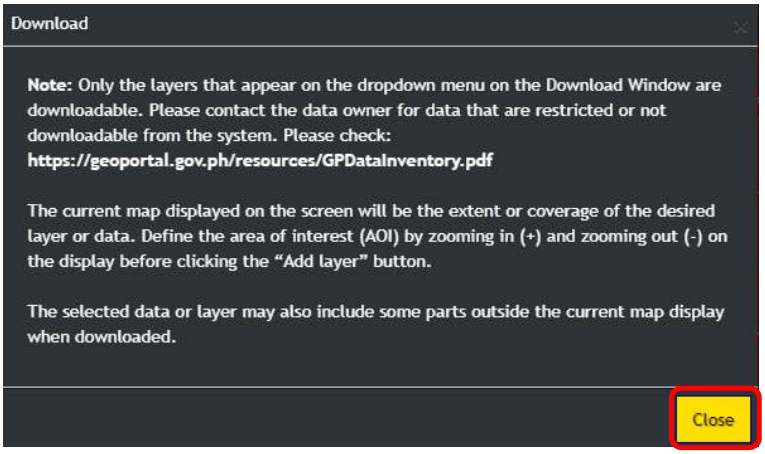


4.16.3 Click the **Download** button.

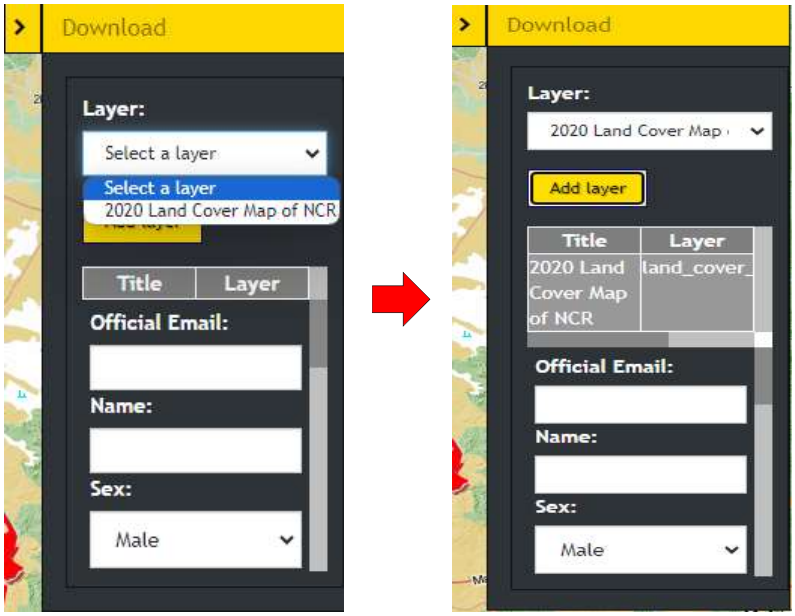
The following message will be displayed.



4.16.4 Click the **Close** button



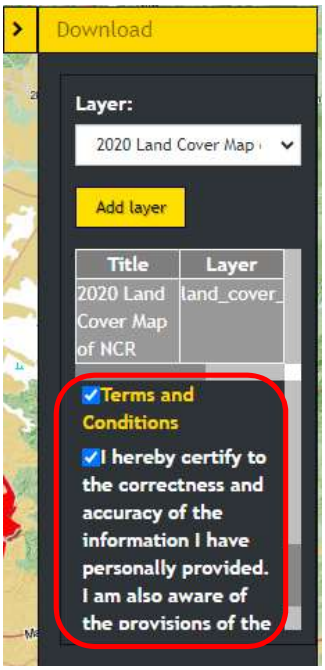
4.16.5 In the **Download** window, select a layer from the **dropdown** and click the **Add layer** button to add it to the download list. Multiple layers can be added to the list.



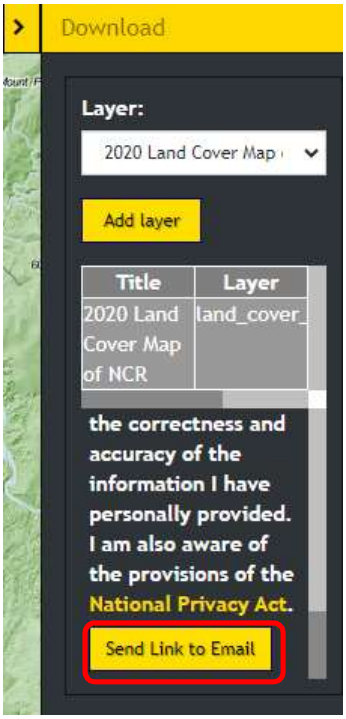
4.16.6 Input the following information:

- Official email
- Name
- Sex
- Address
- Office/Agency
- Sector
- Purpose
- Official Contact No.

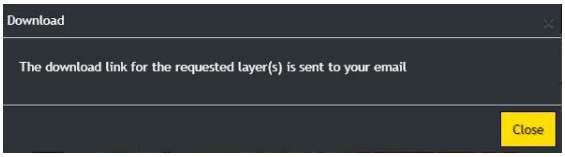
4.16.7 Accept the **Terms and Conditions** and the provisions of the National **Privacy Act**



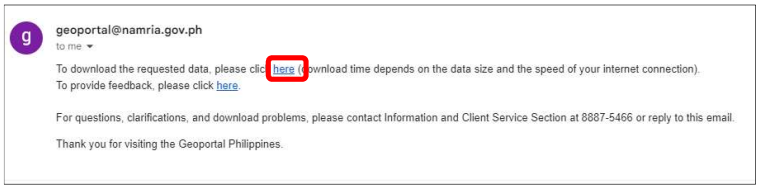
4.16.8 Scroll down and then click the **Send Link to Email** button



The following message will be displayed and the download link will be sent to the provided email.



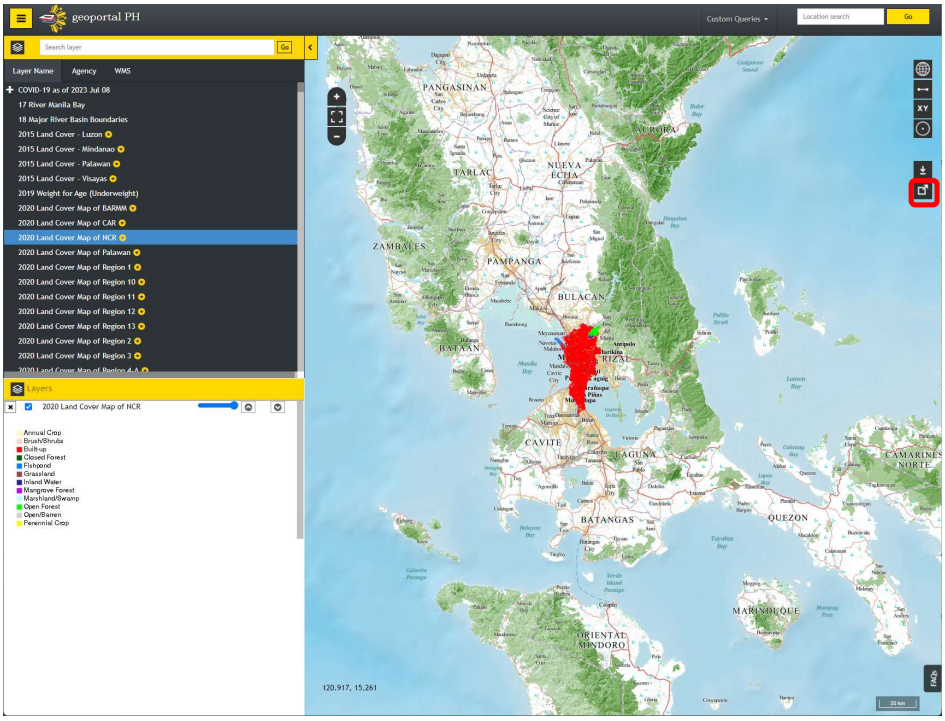
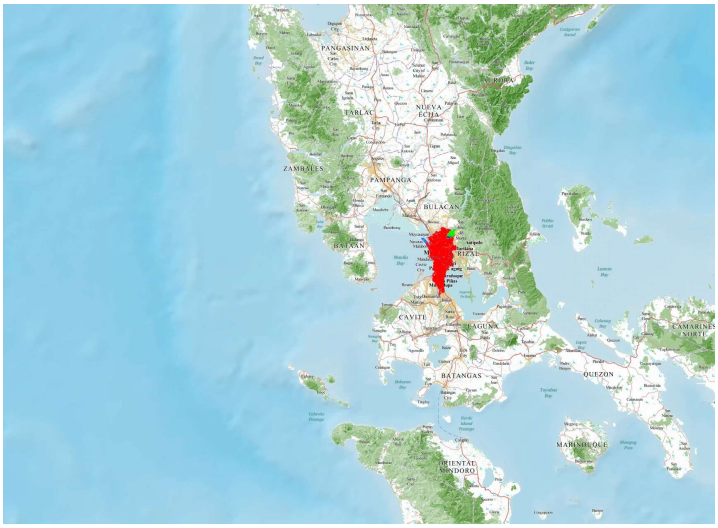
4.16.9 Go to the provided email and click the 1st link.



4.16.10 You will be redirected to the GP Download Page. Click the Layer button to download the layer in compressed shapefile format. Click the Metadata button to download the layer's metadata.

4.17 HOW TO EXPORT MAP

4.17.1 Click the **Export Map** button. The current map view will be downloaded in PNG format.



4.17.2 This will export the current map view in PNG format. The legends will also be exported in a separate PNG file.