

GEOPORTAL PHILIPPINES: ROAD NET MAP APP

SYSTEM USER MANUAL

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Geospatial Information System Management Branch
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1 BACKGROUND

The Road Net Map App will provide the general public all types of road network projects whether national, provincial, or municipal. It also includes farm-to-market roads.

2 HARDWARE/SOFTWARE REQUIREMENTS

Minimum hardware requirements:

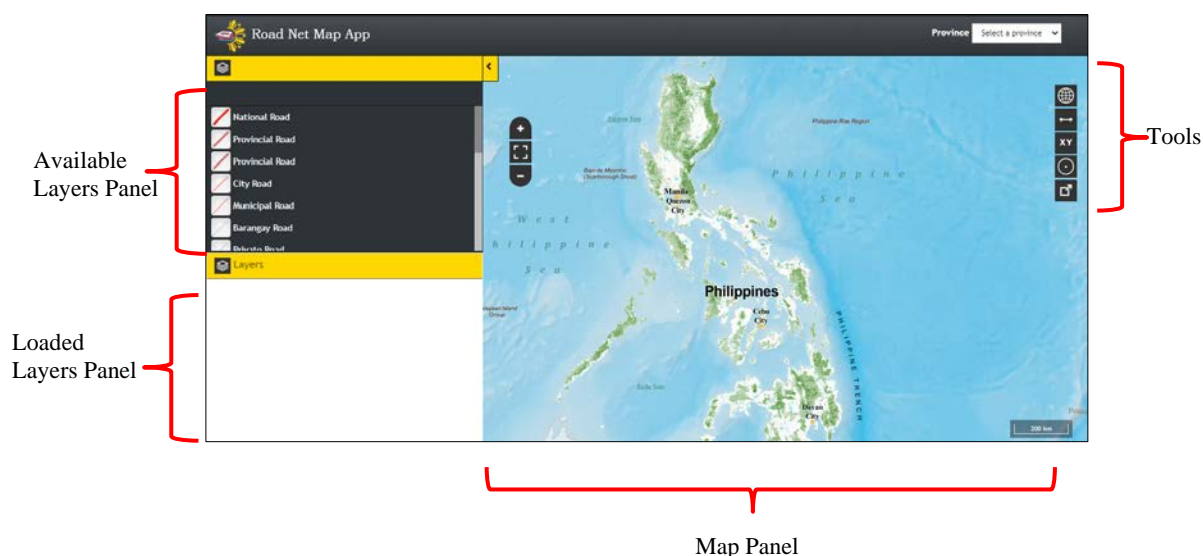
- Operating System: Windows 7 / Windows 8 / Windows 10
- Processor: Intel® Core™ 2 Duo or AMD Athlon™ 64 X2 5600+
- Video: NVIDIA® GeForce® 7600 GT or ATI™ Radeon™ HD 2600 XT or Intel® HD Graphics 3000 or better
- Memory: 2 GB RAM
- Internet: Broadband Internet Connection
- Resolution: 1024X768 minimum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

3 GETTING STARTED

3.1 LAUNCHING THE APPLICATION

3.1.1 Open a web browser and go to <http://www.geoportal.gov.ph>. Click the Menu → Map Apps → Road Net.

3.1.2 The Road Net Map App screen appears.



Available Layers Panel

Displays all types of road network projects whether national, provincial, or municipal. It also includes farm-to-market roads..





Loaded Layers Panel





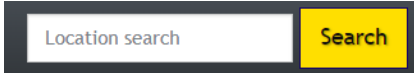
Lists all the layers currently loaded in the map and their corresponding legends.

Map Panel

Displays the basemap and layer overlays.

Tools

	<p>Zoom in</p> <p>This is used for zooming in to the map.</p>
	<p>Zoom out</p> <p>This is used for zooming out of the map.</p>
	<p>Zoom to Extent</p> <p>This is used to zoom the map to the whole extent of the Philippines.</p>
	<p>Switch Basemap</p> <p>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,</p>

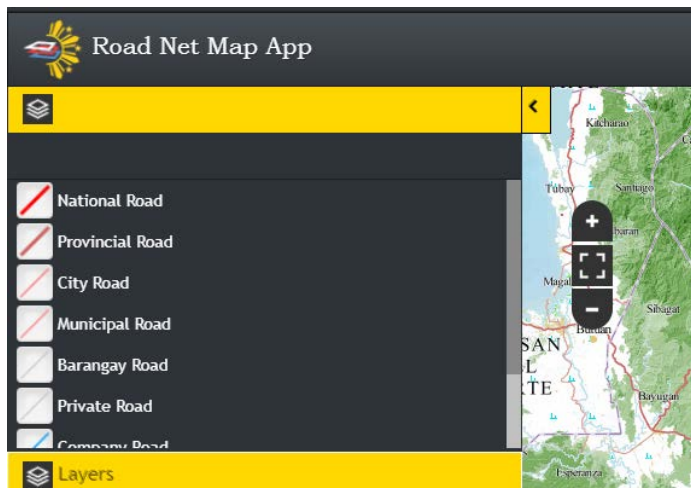
	Bing Maps, ArcGIS Online, and Open Street Map.
	<p>Measure tool</p> <p>This allows the user to measure distance or area on the map.</p>
	<p>Goto XY tool</p> <p>This allows the user to go to a particular location on the map by encoding coordinates.</p>
	<p>Buffer tool</p> <p>This allows the user to create a buffer from a point, line, circle, or polygon.</p>
	<p>Export Map</p> <p>This allows exporting of the current map view along with basemap and loaded layers in PNG format.</p>
	<p>Location search</p> <p>This allows the user to go to a certain location on the map.</p>

3.2 SELECT/LOAD A LAYER

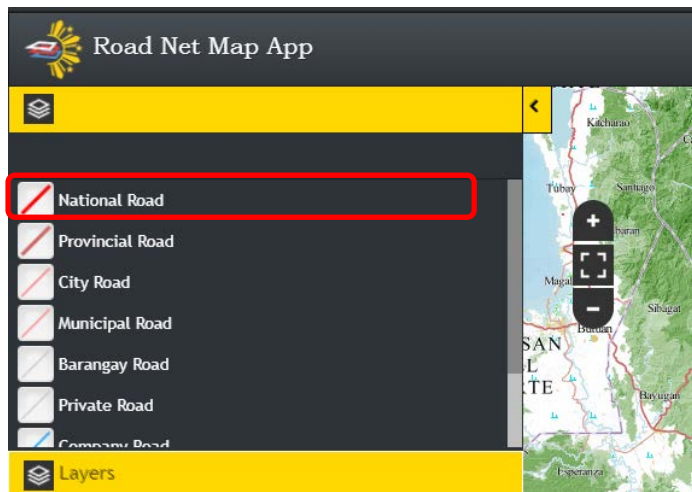
3.2.1 Select a province from the dropdown list.



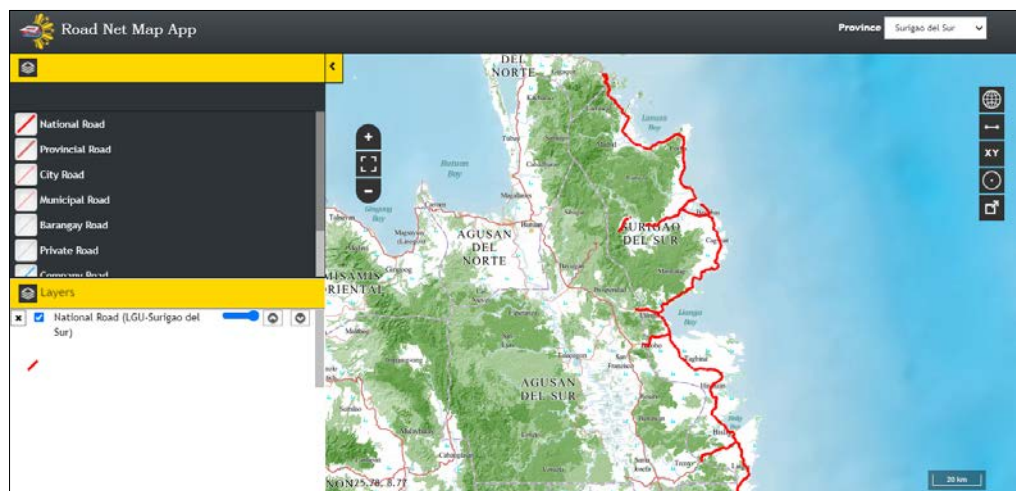
3.2.2 The map will zoom in to the selected province and Available Layers for the selected province will be displayed.



3.2.3 Select a layer from the list



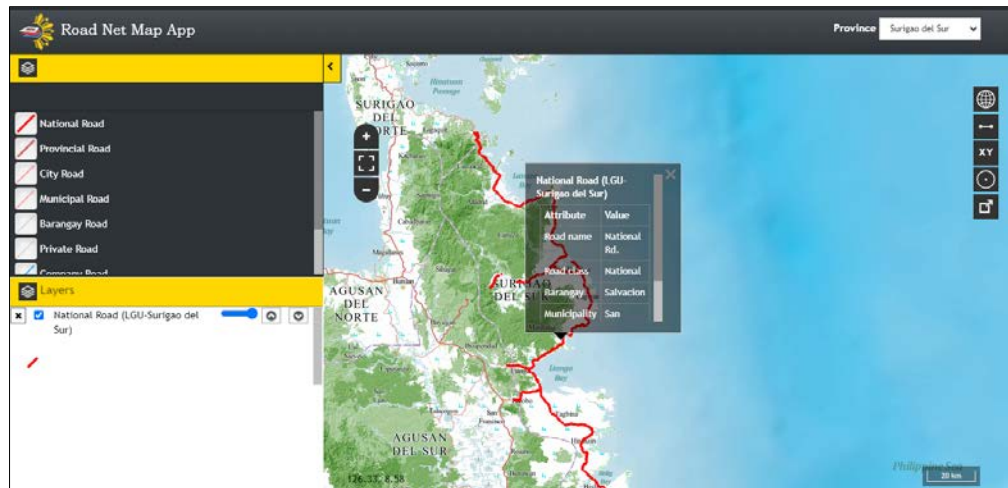
The selected layer will be displayed on the map and will be listed in the **Loaded Layers Panel** with its corresponding legend.



3.3 IDENTIFY A FEATURE

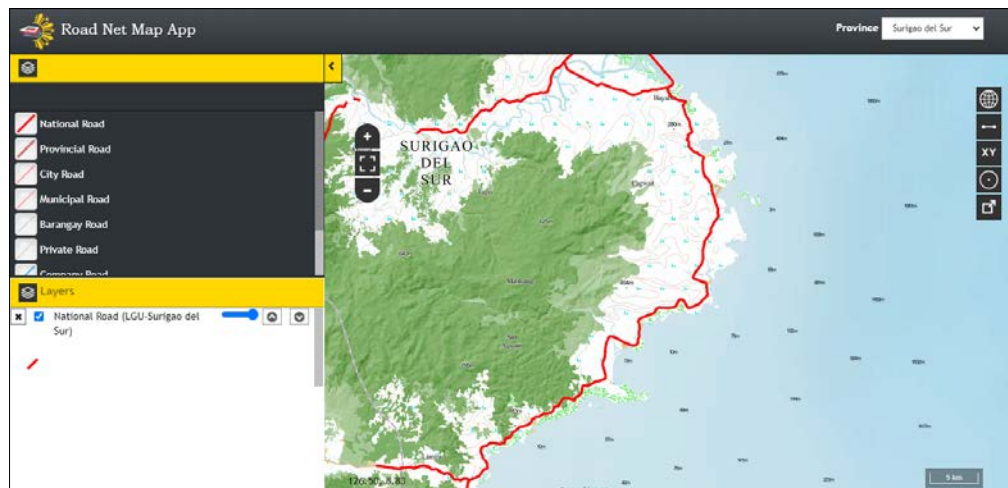
3.3.1 Click on a feature that is displayed on the map.

Displays a popup menu showing the attributes of the selected feature.



3.4 SWITCH BASEMAP

3.4.1 Click the **Switch Basemap**  icon and select the desired basemap.

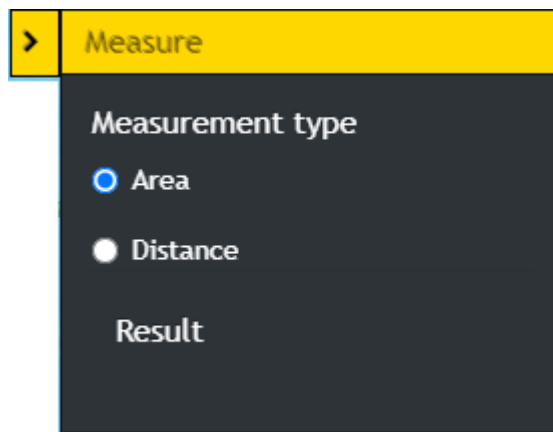


The Map Panel will display the selected basemap.



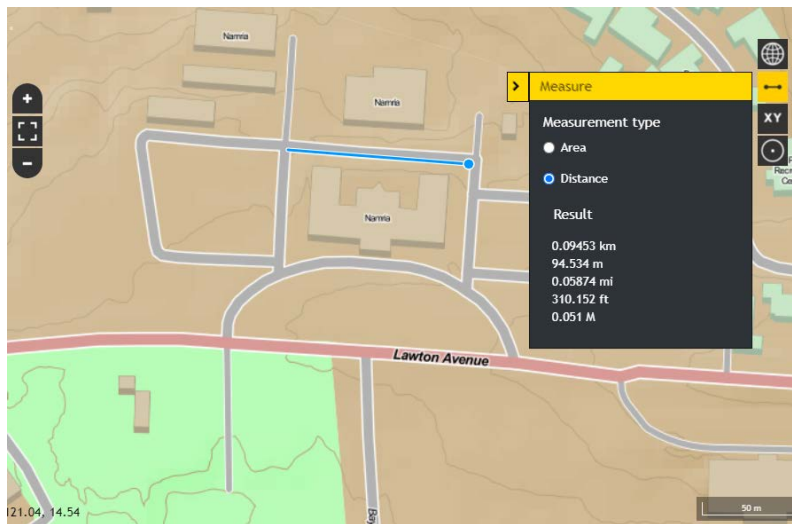
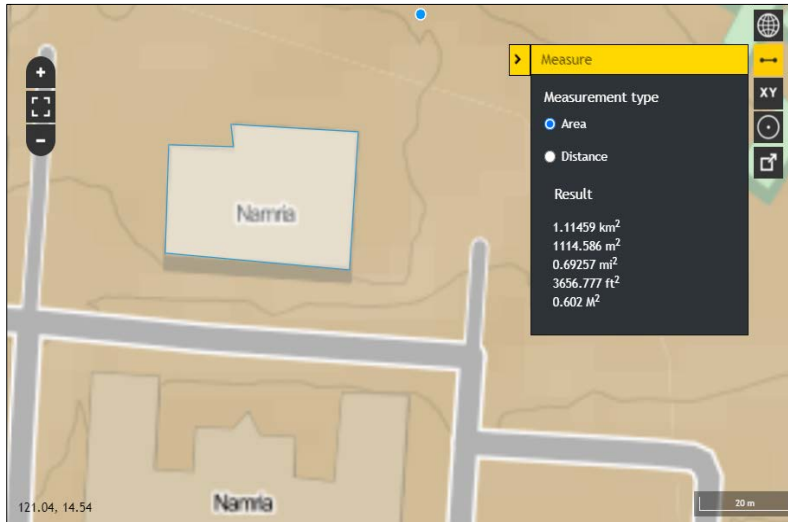
3.5 MEASURE

3.5.1 Click the **Measure**  icon.




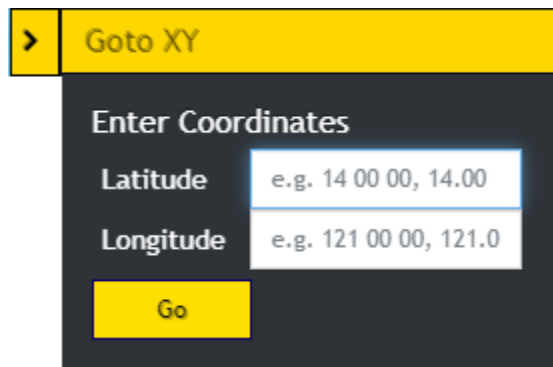
3.5.2 Measure an area by clicking on a starting point, trace or draw polygon by clicking on the corners of the shape you want to measure, and double-clicking to end. For Distance, click on a starting point and double click on the ending point.

The result will be displayed in different units of measure.

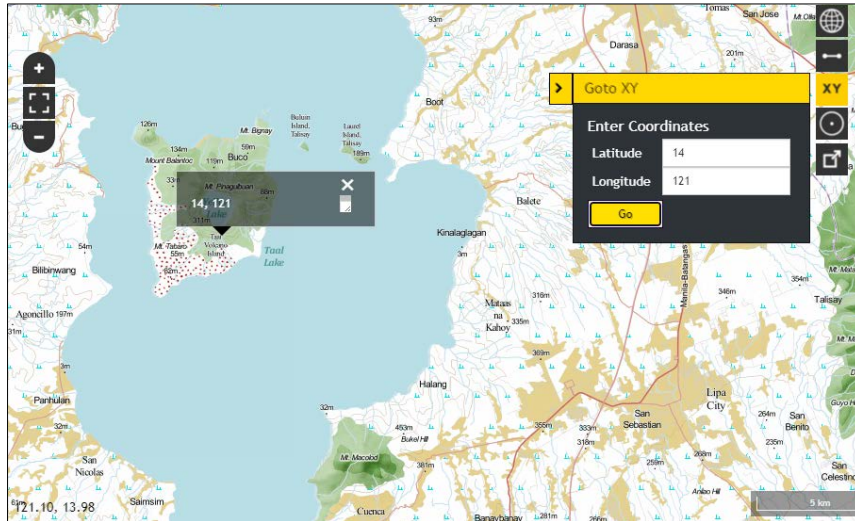


3.6 GOTO XY

3.6.1 Click the **Goto XY**  icon. Enter the **Latitude** and **Longitude** of a location and then click the **Go** button.

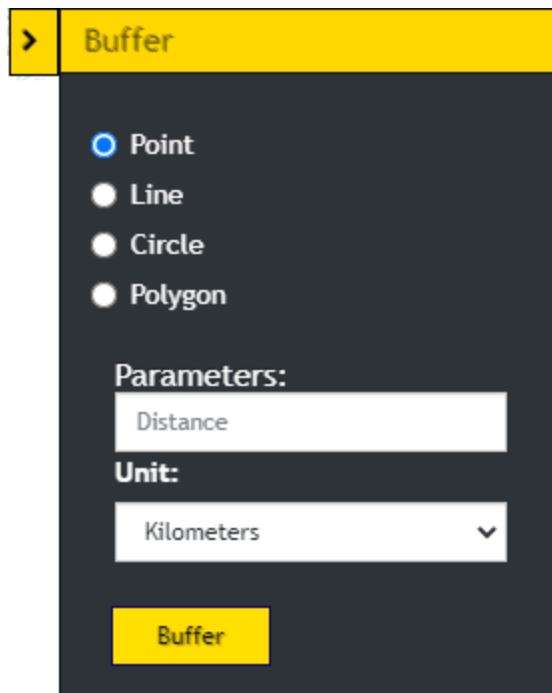


The map will zoom in to the location and will display a popup showing the Longitude and Latitude.



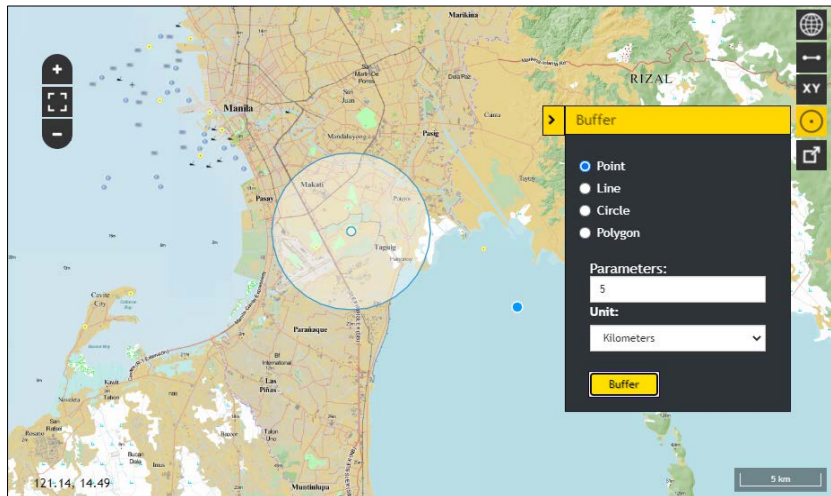
3.7 BUFFER

3.7.1 Click the **Buffer**  icon.

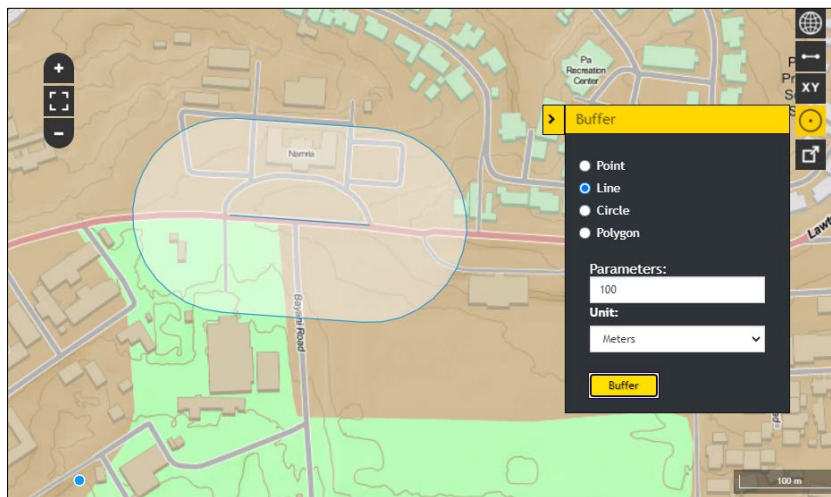


3.7.2 To create a buffer around a point, select the **Point** option. Click a point on the map. Enter the desired buffer parameters (distance and unit). Click the

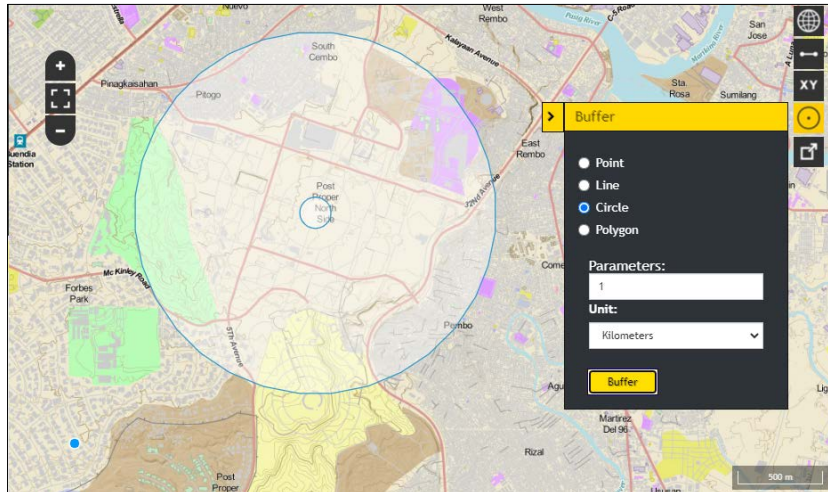
Buffer button. A zone around the point measured in the specified distance will be created.



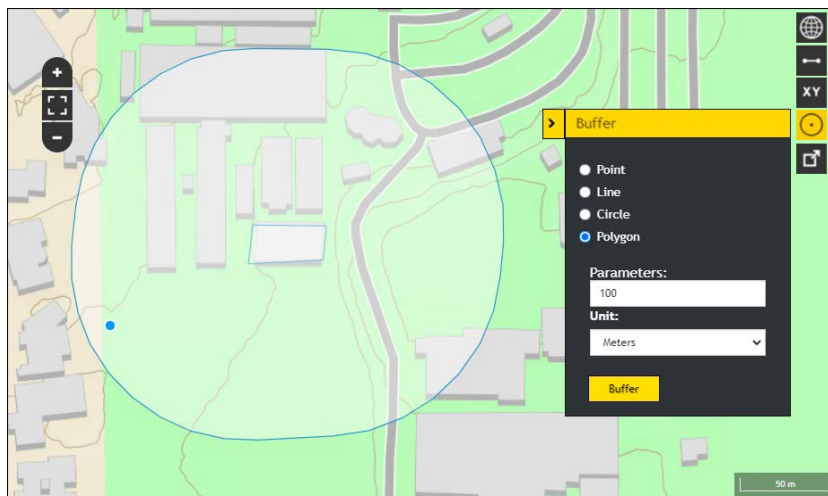
3.7.3 To create a buffer around a line, select the **Line** option. Click a starting point and double click on the ending point to create a line on the map. Enter the desired buffer parameters (distance and unit). Click the **Buffer** button. A zone around the line measured in the specified distance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




3.7.4 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. Enter the desired buffer parameters (distance and unit). Click the **Buffer** button. A zone around the circle measured in the specified distance will be created.

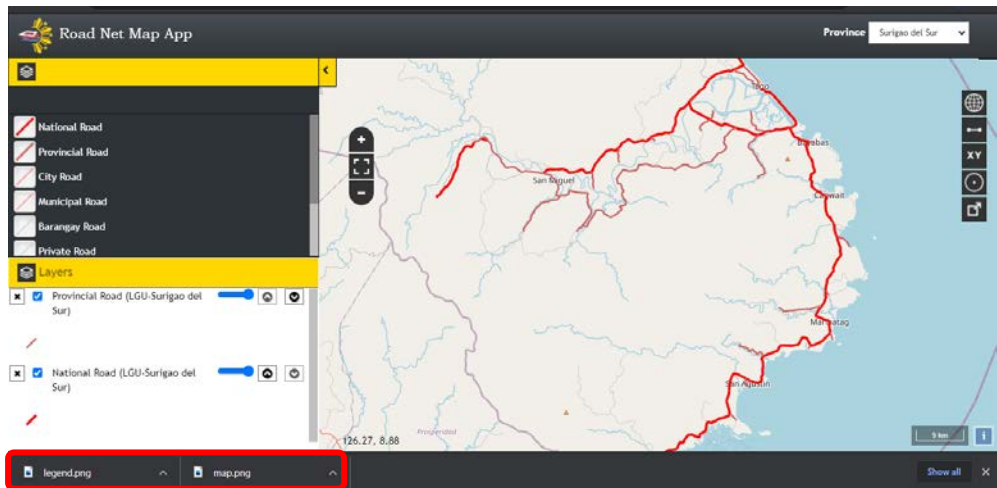


3.7.5 To create a buffer around a polygon, select the **Polygon** option. Trace or draw polygon by clicking on the corners of the shape you want to measure. Enter the desired buffer parameters (distance and unit). Click the **Buffer** button. A zone around the polygon measured in the specified distance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



3.8 EXPORT MAP

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



The current map view along with basemap, loaded layers, and legends will be exported in PNG format.

