

18.3.3 Tools TAB

Tools TAB enlists different specialized tools developed specifically to cater to the needs of various users of IMIS. There are altogether 20 different tools categorized under different headings such as Service Delivery Tools, General Tools, Data Export Tools, Decision Tools, and Summary Information. The availability of tools will be governed by the login credentials of the user.

Table 18- 2 Tools

Tools	Function
	Service Delivery Tools
 Applications +	Displays all the applications received for emptying services on a map, with markers color-coded according to the status of each

application. User can filter the data according to the Year and Month or a specific date.

Red Marker	Application Only
Blue Marker	Application and Emptying Services
Yellow Marker	Application, Emptying Services, and Feedback
Green Marker	Application, Emptying Services, Sludge Collection, and Feedback collected

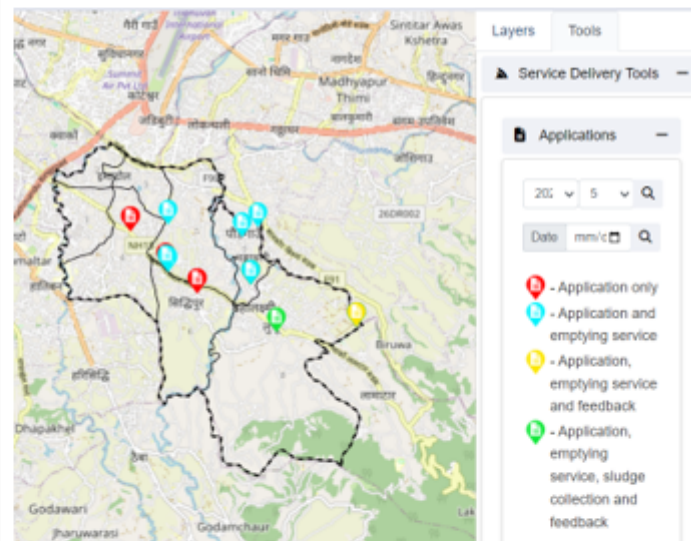



Figure 18- 17 Map Tool- Application

 Emptied
Applications not
reached to Treatment
Plant +

Displays applications on the map where the containment has been emptied, but the collected fecal sludge has not yet reached the treatment plant. Markers are color-coded based on the Service Provider.

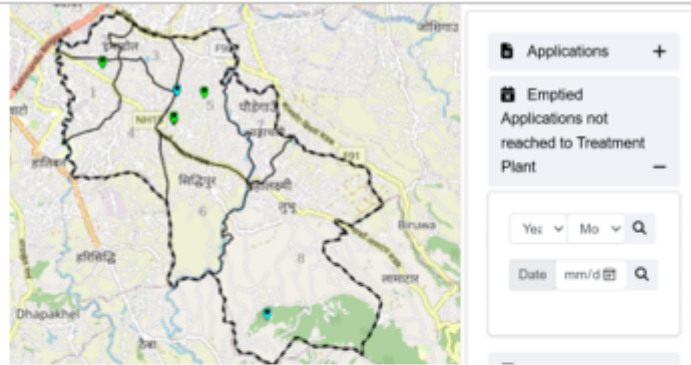


Figure 18-18 Map Tools- Applications that have not reached the treatment plant

Displays containments proposed for emptying within the days or date selected by the user on the map.

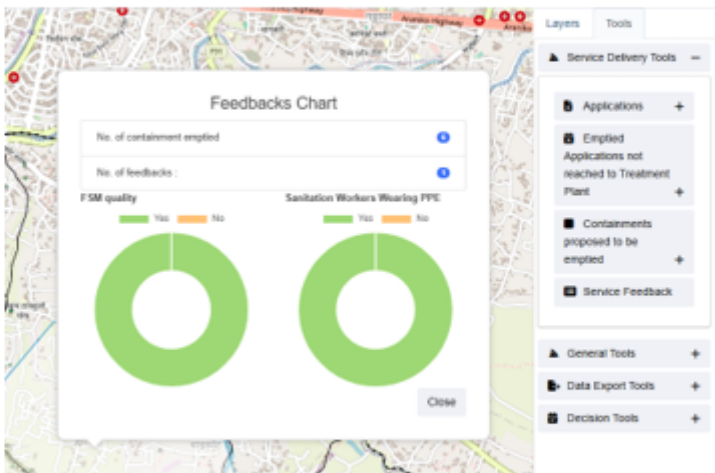
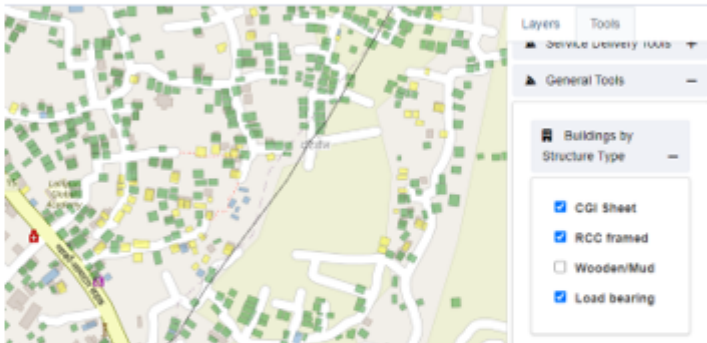
Next X days	X	If the user wants to find potential applications for emptying in the coming X days
Next Week		If the user wants to find applications for emptying in the Next Week
Date		If the user wants to find applications for emptying on a specific date

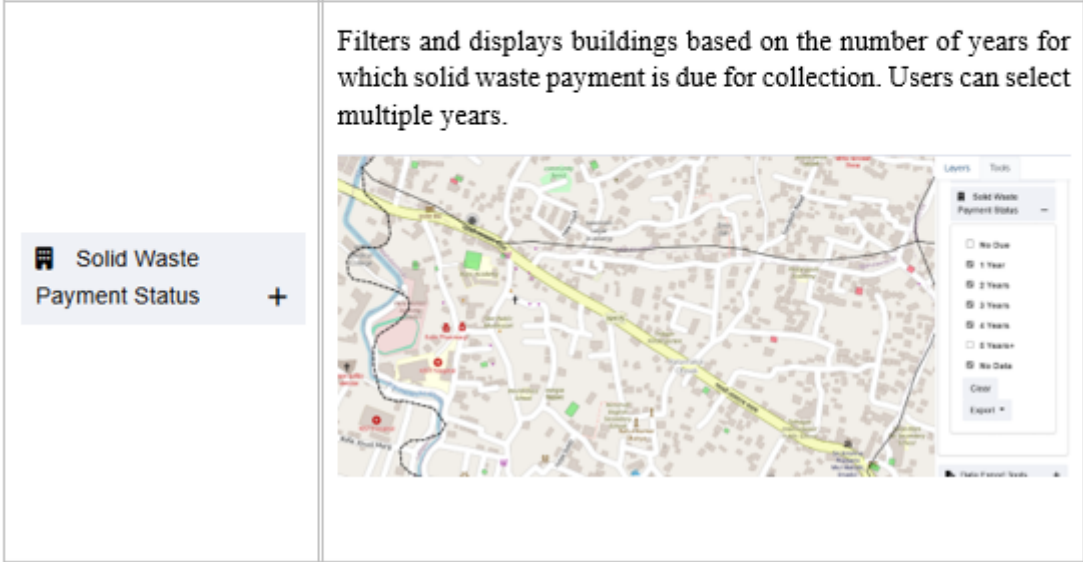
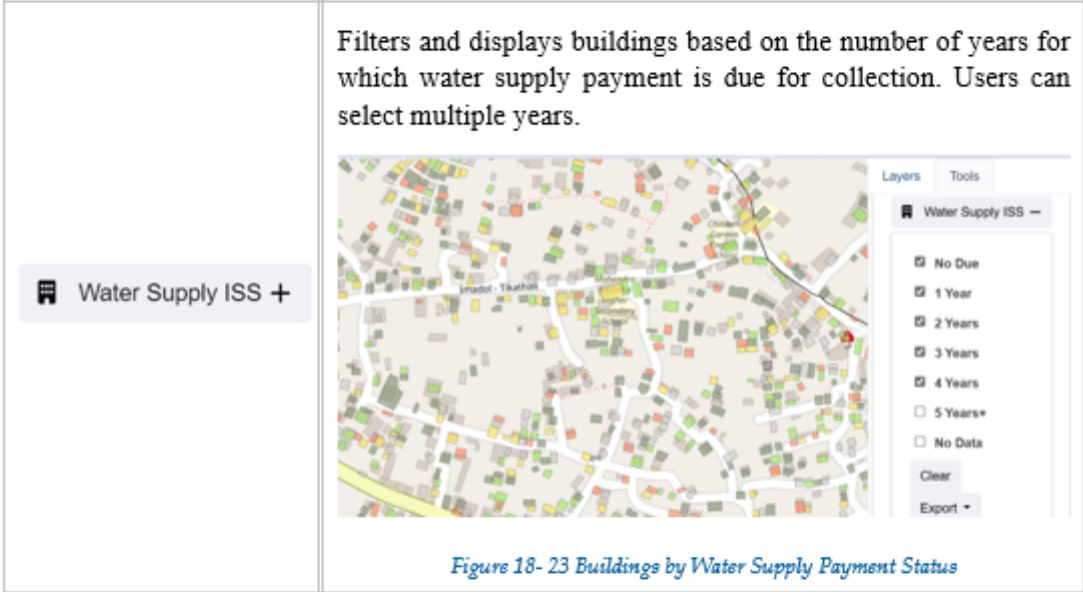
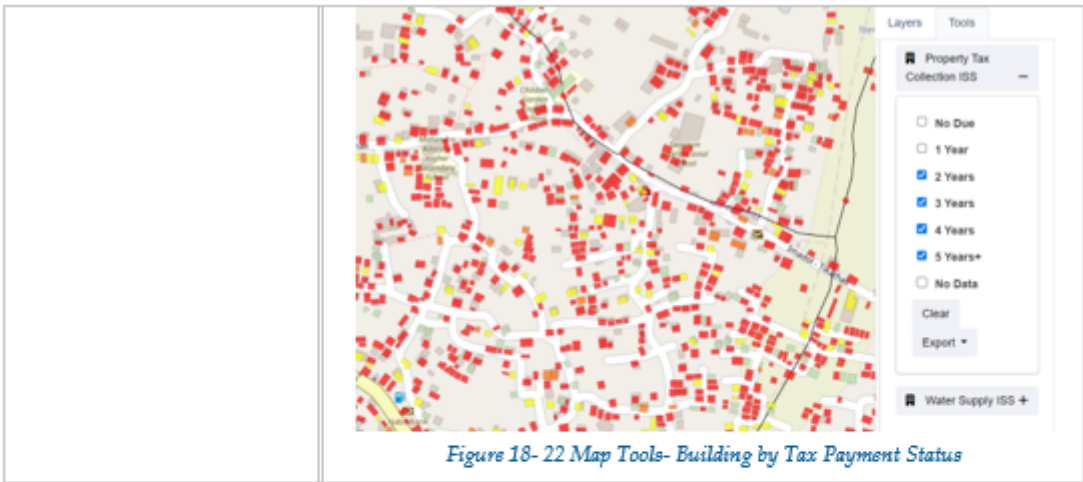
■ Containments proposed to be emptied +





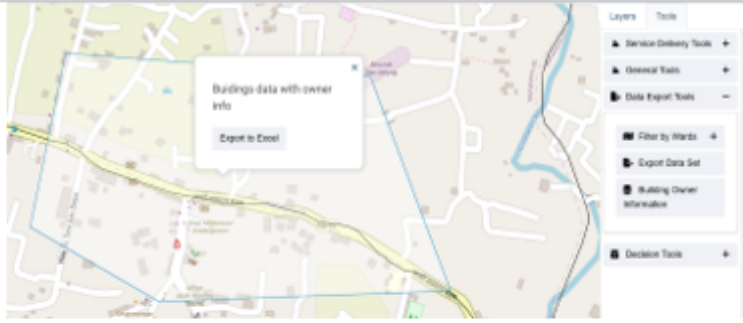

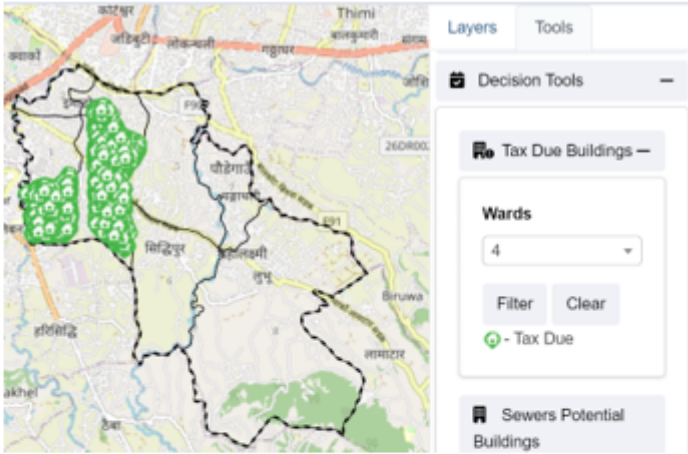

Figure 18-19 Map Tools- Containments proposed to be emptied

This tool can be integral to the daily activities of the Service Provider by allowing them to view applications that need emptying within the selected time frame directly on the map, helping them plan routes for efficient service delivery.

<div data-bbox="156 414 375 443">Service Feedback</div>	<p>This tool displays a feedback chart for custom boundaries drawn by the user. The user can utilize this tool to generate a feedback chart that aggregates all the feedback records from that area.</p>  <p><i>Figure 18- 20 Map Tools- Feedback Chart</i></p>
	<p>General Tools</p>
<div data-bbox="148 1120 406 1182">Buildings by Structure Type +</div>	<p>Filters Buildings by building structure type (CGI Sheet, RCC framed, Wooden/mud, Load bearing). <u>User</u> can select multiple structure types. To remove applied filters Toggle Off applied structure <u>types</u> options.</p>  <p><i>Figure 18- 21 Map Tools- Buildings by Structure Type</i></p>
<div data-bbox="148 1496 406 1559">Property Tax Collection ISS +</div>	<p>Filters and displays buildings based on the number of years for which property tax is due for collection. Users can select multiple years.</p>



Data Export Tools	
<div>  Filter by Wards + </div>	<p>Filter data layers according to selected <u>wards</u>. User can select multiple wards and multiple data layers desired for export and choose an export format (CSV, KML, Shape File) under the Export drop-down. Click the Clear button to remove the applied filter.</p>  <p><i>Figure 18- 24 Map Tools- Filter by Wards</i></p>
<div>  Export Data Set </div>	<p>Enables the user to select an area by drawing a polygon, <u>choose</u> the overlay, and select the export format for the dataset of the chosen area. Deactivate the Export Data Set tool by clicking it again.</p>  <p><i>Figure 18- 25 Map Tools- Export Data Set</i></p>
<div>  Building Owner Information </div>	<p>Allows the user to obtain information about buildings' owners maintained in the Building IMS module by selecting an area of interest</p>

	 <p><i>Figures 18- 26 Map Tools- Export Owners Data Set</i></p>
	<p style="text-align: center;">Decision Tools</p>
 Tax Due Buildings +	<p>Shows buildings that are due to pay taxes, the user can also filter according to the ward.</p>  <p><i>Figures 18- 27 Map Tools- Tax Due Buildings</i></p>
 Sewers Potential Buildings	<p>Highlights buildings that have the potential of being connected to the sewer line selected by the user. User must activate Sewer in the layer tab to select a sewer line.</p>

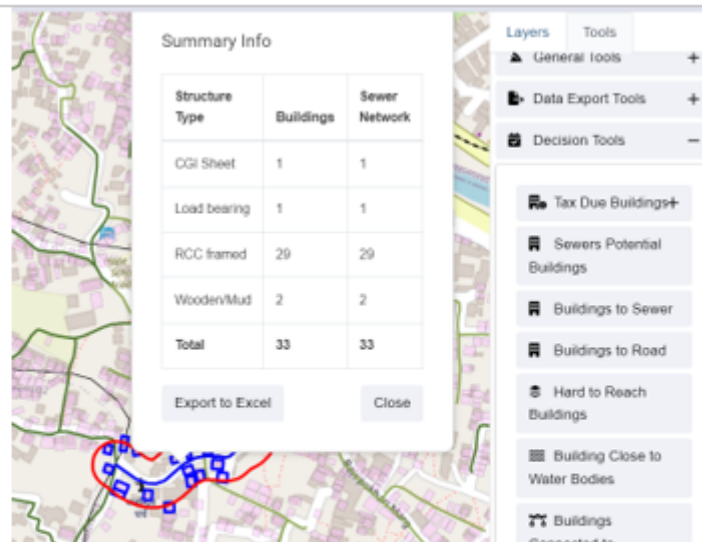


Figure 18- 28 Map Tools- Sewer Potential Buildings

Highlights buildings connected to the sewer line selected by the user. User must activate Sewer in the layer tab to select a sewer line.

Buildings to Sewer

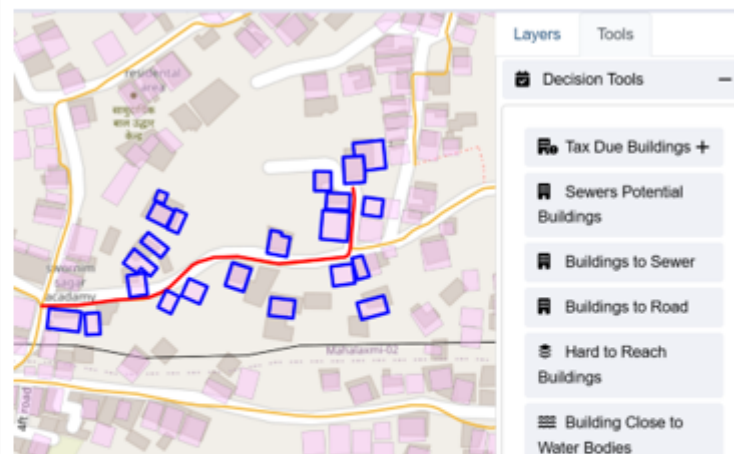


Figure 18- 29 Map Tools- Buildings Connected to Sewer

Buildings to Road

Highlights connected to the road selected by the user. Users must activate road in the layer tab to select a road.



Figure 18-30 Map Tools- Buildings Connected to Road

Highlights the buildings that are hard to reach by Vaccutugs. The user must fill out the Carrying width and the Hose Length of the Vaccutug.

Hard to Reach Buildings

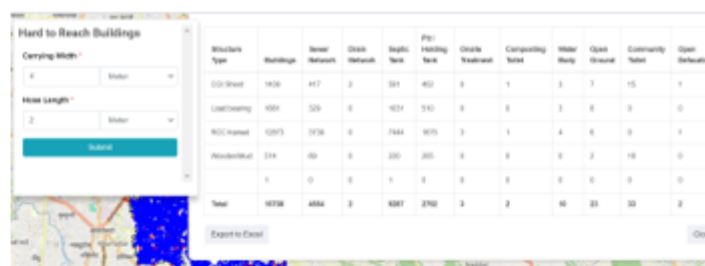


Figure 18-31 Map Tools- Hard to Reach Buildings

Highlights buildings that are within the user set buffer distance of the ponds and rivers.

Building Close to Water Bodies

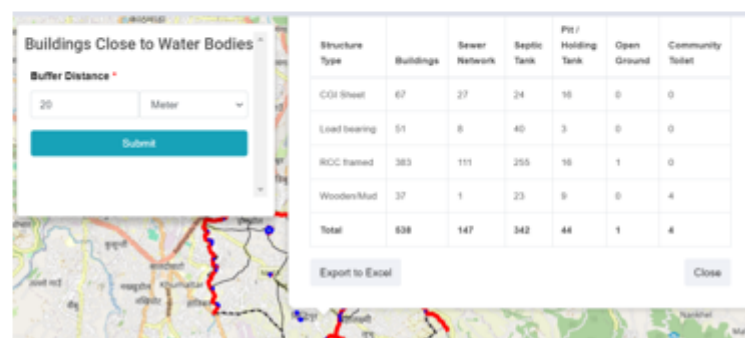

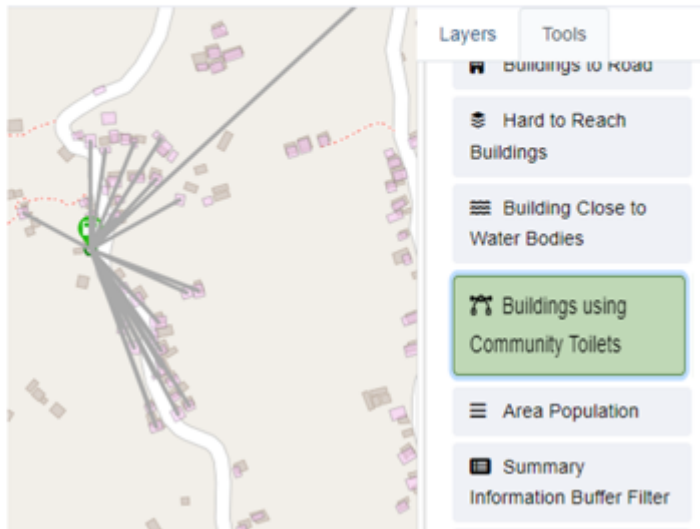

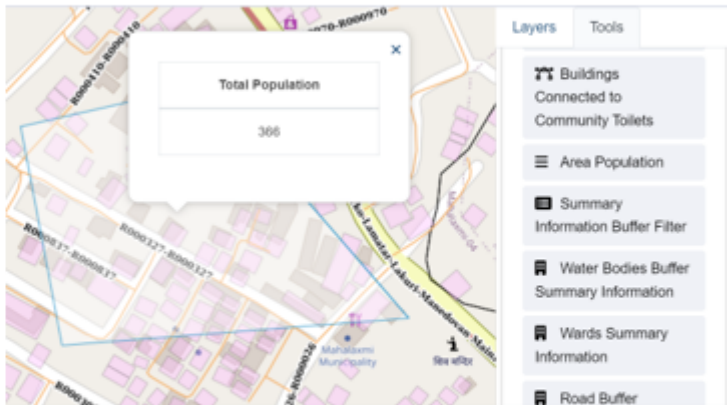

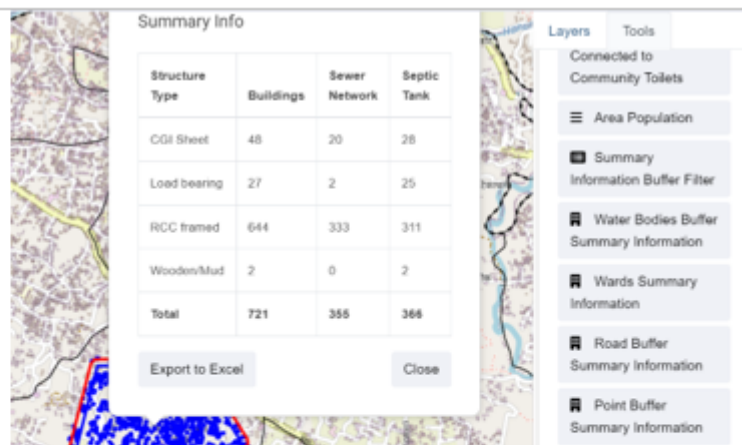



Figure 18-32 Map Tools- Buildings Close to Water Bodies

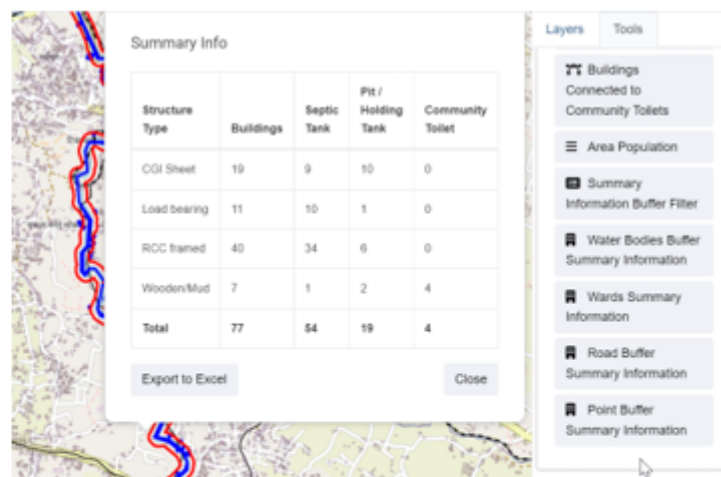
<div data-bbox="135 472 411 562">  Buildings using Community Toilets </div>	<p>Shows the buildings that use the community toilet selected by the user. <u>User</u> must activate the Toilets PT/CT in the layer tab and select operational community toilet, <u>in order for all the community toilets to be shown in the map.</u></p> <div data-bbox="459 327 1161 853">  </div> <p><i>Figure 18-33 Map Tools Building Connected to Community Toilets</i></p>
<div data-bbox="135 1189 411 1245">  Area Population </div>	<p>Calculates and displays the total population within the area drawn by the user.</p> <div data-bbox="448 1048 1177 1451">  </div> <p><i>Figure 18- 34 Map Tools-Area Population</i></p>
<div data-bbox="135 1547 411 1637">  Summary Information Buffer Filter </div>	<p>Generates information on buildings and Sewer Network within the custom boundary set by the user in the range of the buffer value</p>




Figures 18- 35 Map Tools- Summary Information Buffer Filter

Generates information of buildings and Sewer Network that are in the buffer zone, set by the user, of the user selected water body. User must activate water bodies in the Layers tab to select the water body.

 Water Bodies Buffer Summary Information



Figures 18- 36 Map Tools- Water Bodies Summary information

 Wards Summary Information

Generates information of buildings and Containments of the user selected ward. User can click any point within the ward to select the ward.

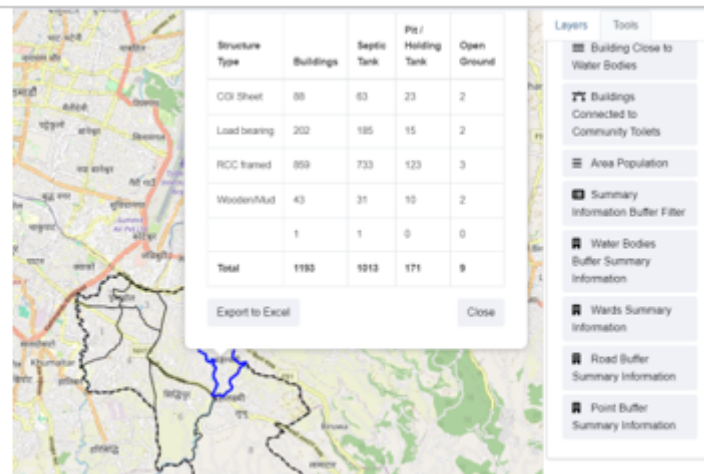

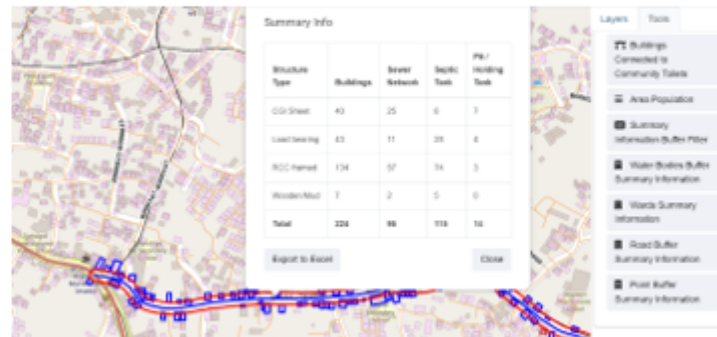


Figure 18- 37 Map Tools- Ward Summary Information

Generates information of buildings and containments that are in the buffer distance, set by the user, of the user selected road. User must activate road in the Layers tab to select a road.

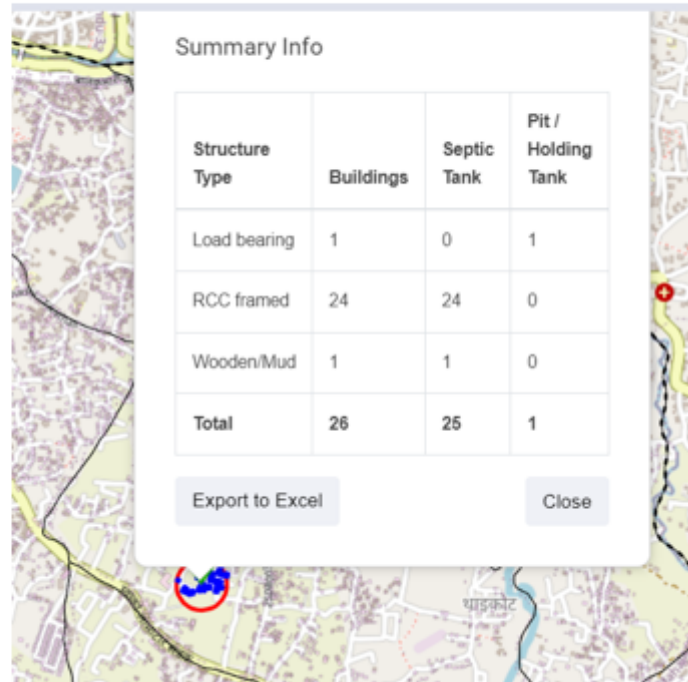
 Road Buffer
Summary Information



Figures 18- 38 Map Tools- Road Buffer Summary Information

Generate information on buildings and containments that are in the buffer zone, set by the user, of any point selected in the map.

Point Buffer
Summary Information



Figures 18- 39 Map Tools- Point Buffer Summary Information

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