
Creating Maps

For Amrutvahini (river rejuvenation)

Visit

<https://amrutvahini.communitygis.net>

Create new account on <https://geonode.communitygis.net>
Click on “Register” on navigation bar



Data ▾ Maps Apps About ▾

Q Search

Register

Sign in

Welcome

GeoNode is an open source platform for sharing geospatial data and maps.

Get Started »

Search for Data.

Q Search

[Advanced Search](#)

Sign UP

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Sign up

Create a new local account

E-mail

Username

Password

Password (again)

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Creating empty layer

Once logged in click on “Data” dropdown and then click “Create layer”



- Enter layer name and title
- Select Geometry type as Polygons

Create an empty layer

Layer name

Layer title

Geometry type

Polygons ▾

Add Attribute

Create

- Add needed Attributes
Like river name, stretch start, date etc with their data type accordingly using “Add attribute button”
- Click on create

Geometry type

Polygons

Add Attribute

river_nm

String

Remove

district

String

Remove

Stretch start

String

Remove

Create

A new empty layer is created.. Click on
view layer

Dam



Download Layer

Metadata Detail

Editing Tools

View Layer

Download Metadata

Legend

Adding layer

Click on layer

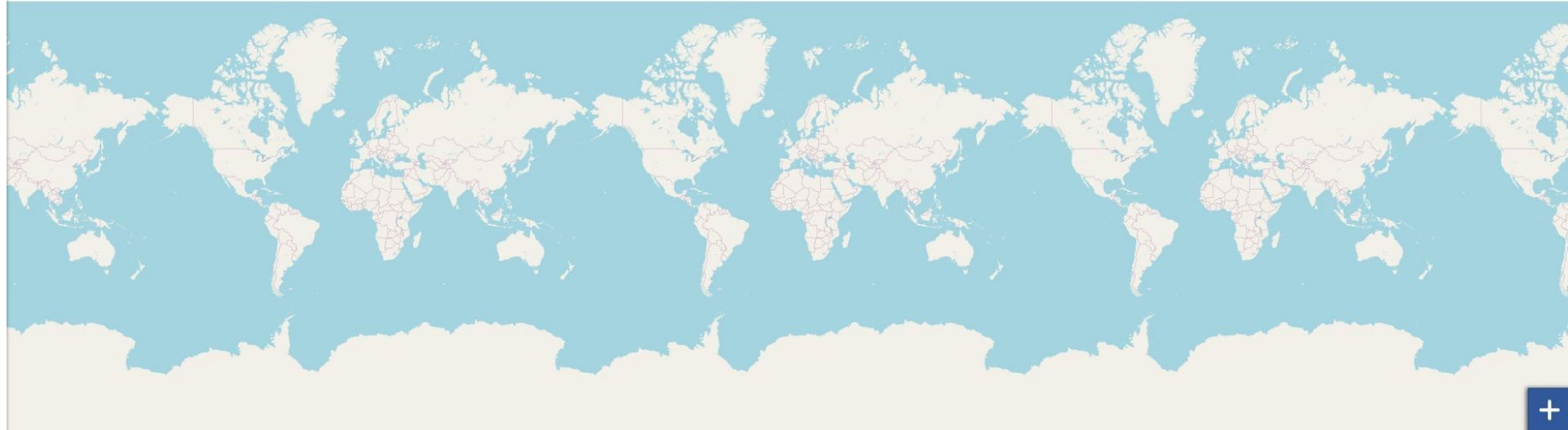
GeoNode Data ▾ Maps ▾ Apps ▾ About ▾

Search



dummy ▾

Search by location name



Click on add layer

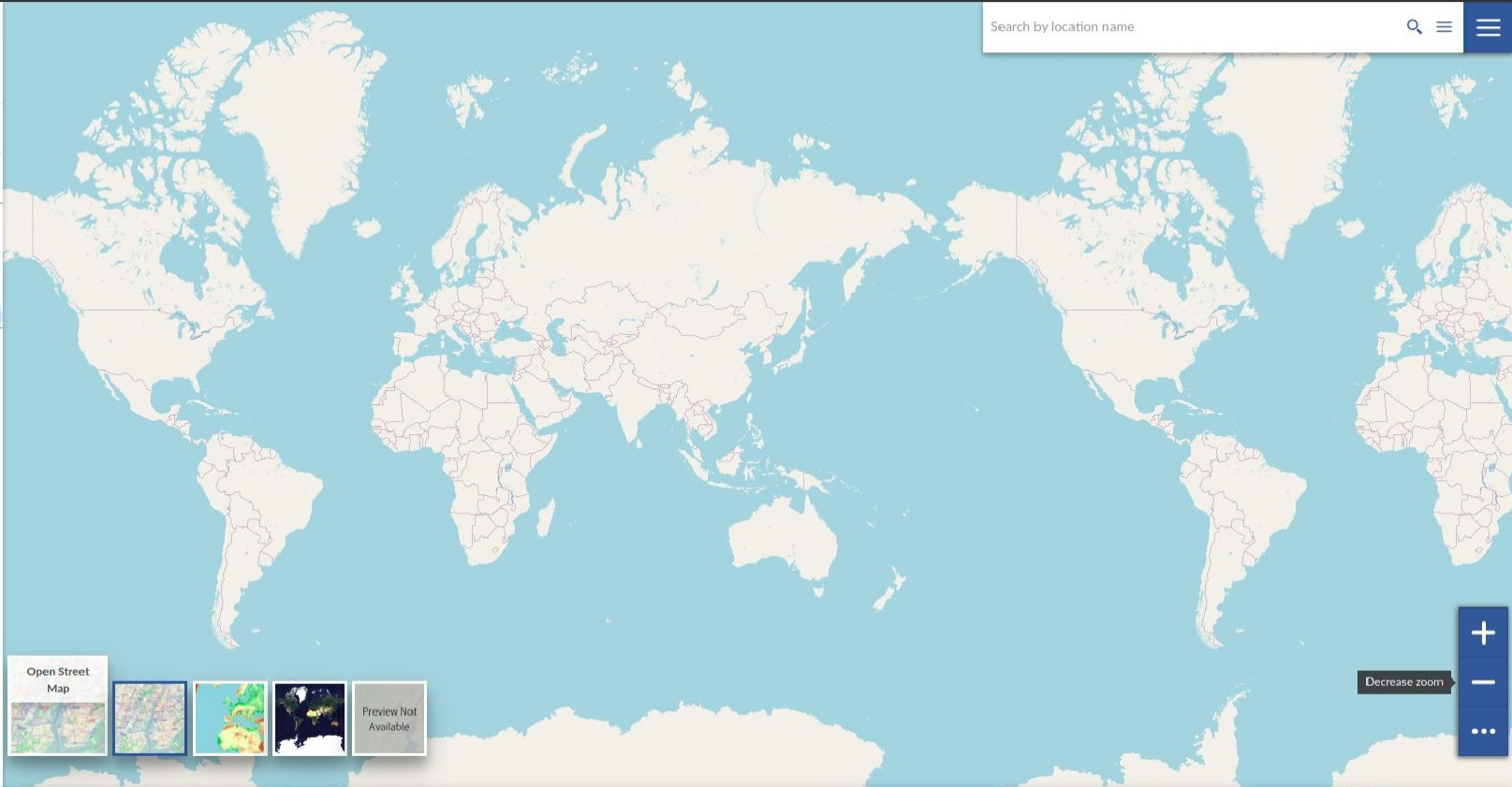
×

Filter layers

Default

Dam

100 %



- Search for damlayer in search bar of right panel
- Click on + icon to add that to act as an overlay

The screenshot displays the GeoNode web application interface. The top navigation bar includes the GeoNode logo, links for Data, Maps, Apps, and About, a search bar, and a user profile for Himanshi2301. The left sidebar contains a 'Filter layers' section with a 'Default' layer and a layer named 'Prabhag61_beat'. The main map area shows a world map. The right panel, titled 'Catalog', shows search results for 'corpora'. The first result is 'Corporate_Ward_Boundaries_22Dec2021' with a thumbnail map of India and a '+ ' icon to add it. The second result is 'Corporatorwardboundary Mumbai 13May' with a 'Preview Not' thumbnail and a '+ ' icon. A mouse cursor is hovering over the second result.

GeoNode Data Maps Apps About Search Himanshi2301

Filter layers

Default

Prabhag61_beat

Catalog

corpora

Search

Corporate_Ward_Boundaries_22Dec2021

No abstract provided

935da388-6305-11ec-bc18-0242ac120009

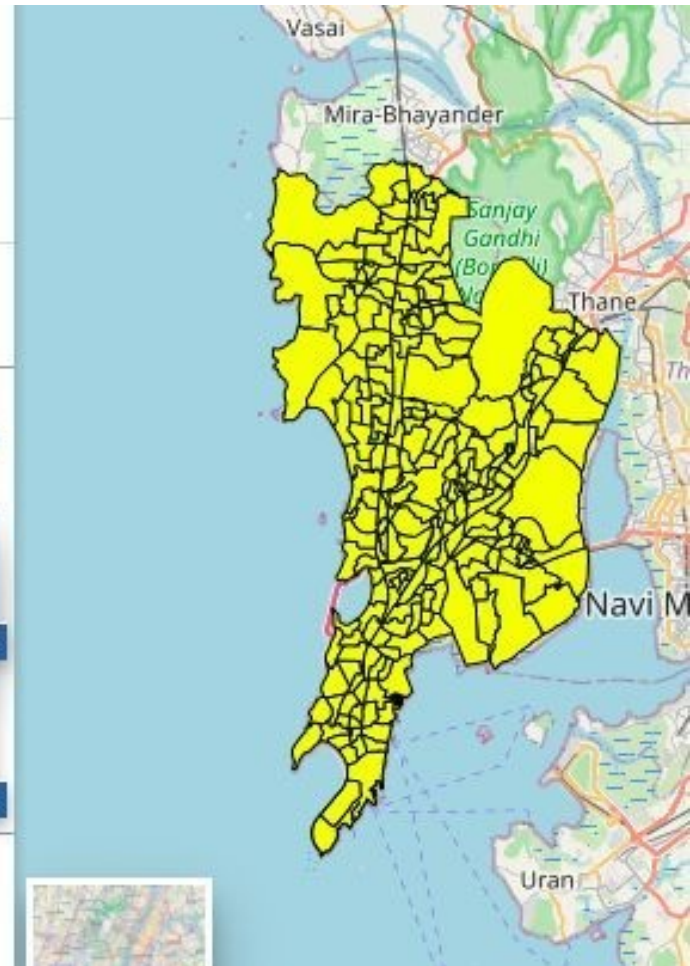
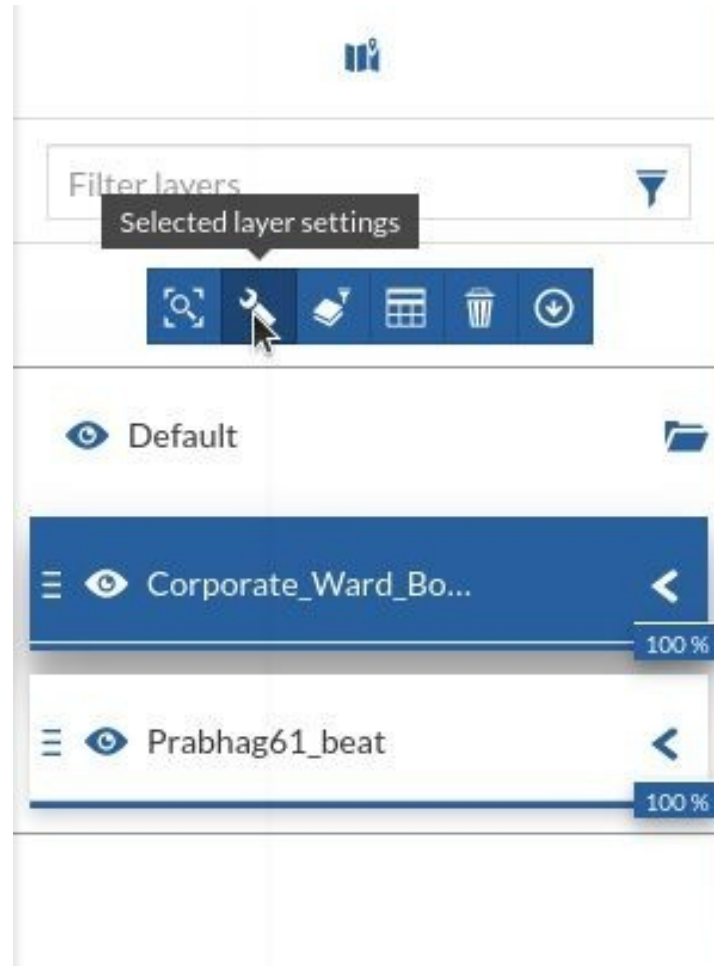
Corporatorwardboundary Mumbai 13May

Preview Not

No abstract provided

Reducing opacity of preloaded layer
(example : corporator ward)

- Click on corporator ward layer on right panel
- Click on Settings icon



- Click on “display” icon
- Enter required opacity in “Opacity %”
- Click on Save icon

Corporate_Ward_Boundaries_22Dec2021

Display

Format

image/png

WMS Layer tile size

512

Opacity %

60

Visibility limits

Max value (excluded)

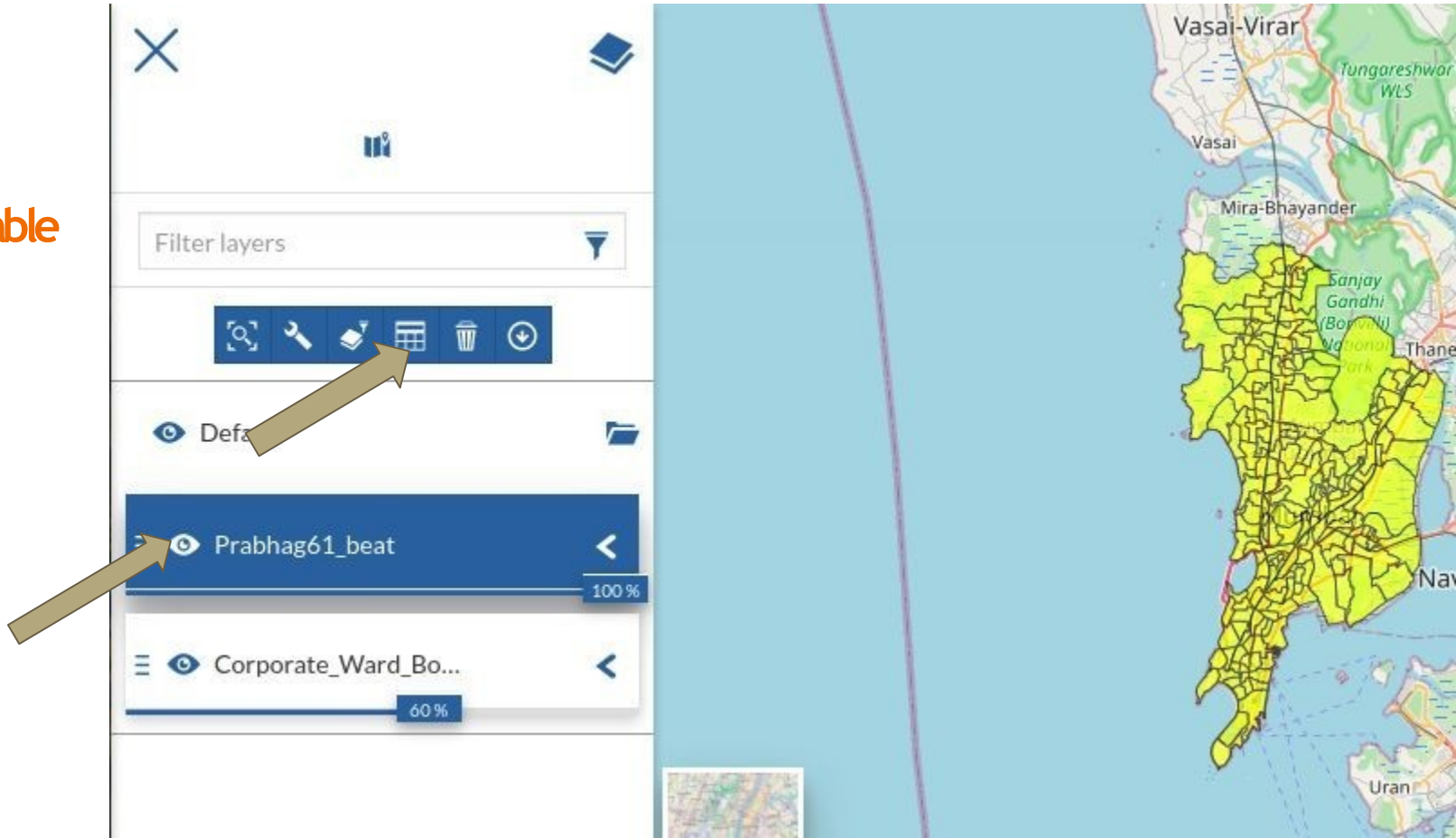
Select max value

Min value (included)

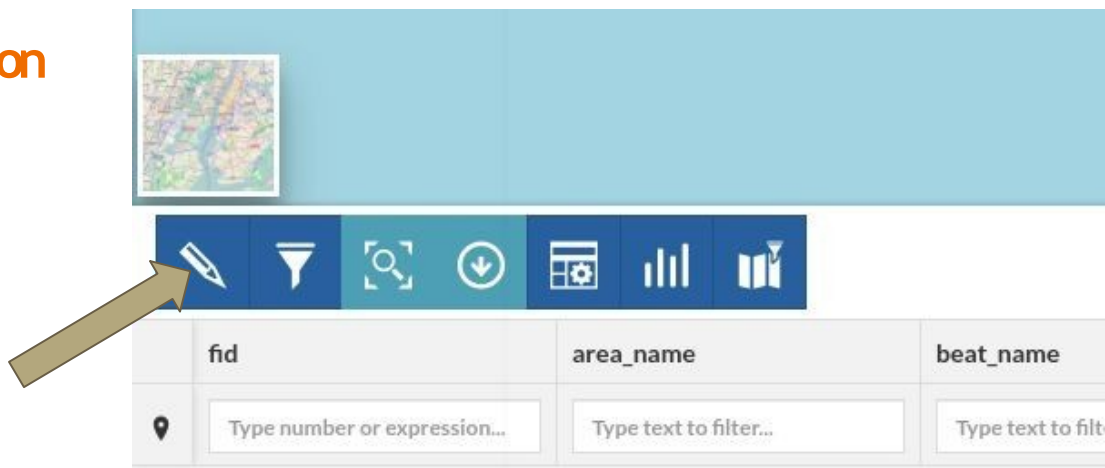
© OpenStreetMap contributors

Adding polygon with
attribute

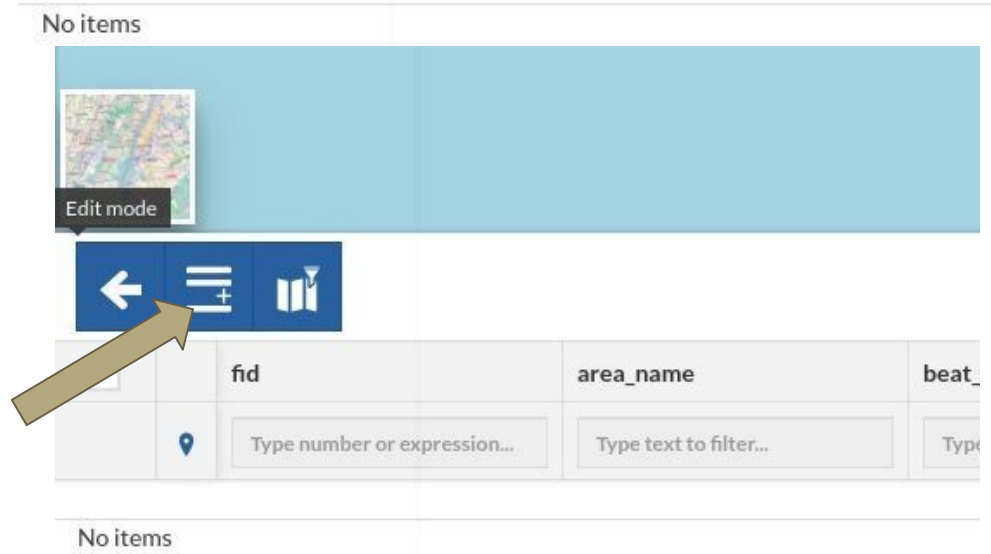
- Click on layer that you created initially
- Click on its attribute table



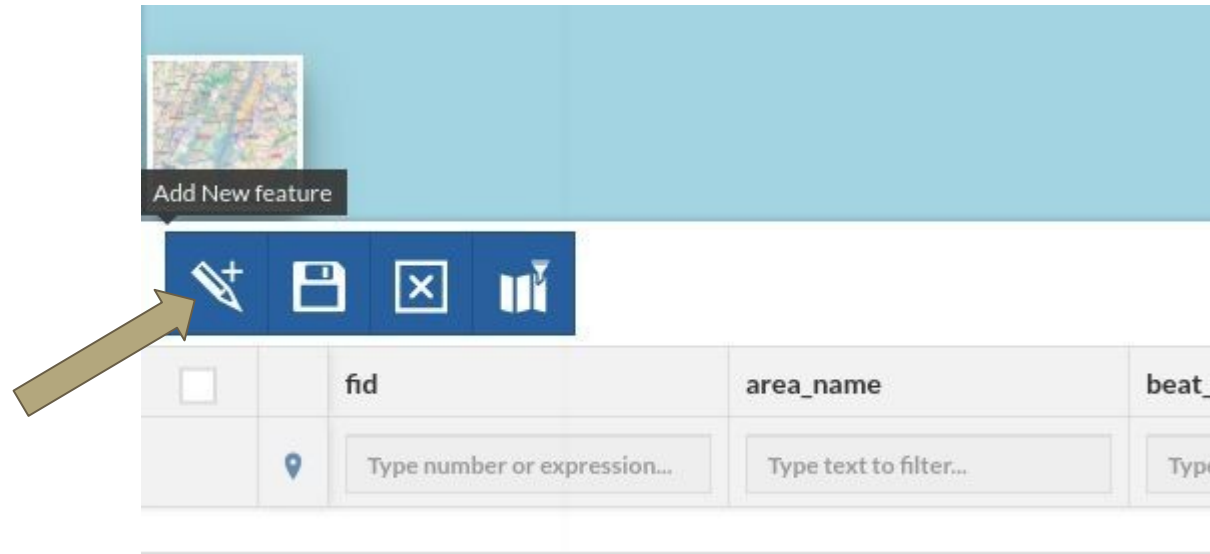
- Click on “edit mode” button on bottom panel




- Click on “Add new feature” button




- Click on “Draw Feature button”





- Zoom to the region you want to create layer







[Data](#) [Maps](#) [Apps](#) [About](#)










Prabhag61_beat

<input type="checkbox"/>	fid	area_name	beat_name	emp_responsible
	<input type="text" value="Type number or expression..."/>	<input type="text" value="Type text to filter..."/>	<input type="text" value="Type text to filter..."/>	<input type="text" value="Type text to filter..."/>

No Features Available

- Single click on map to add points and close the loop to create polygon
- Click on Save button in the bottom panel

Search by location name

Kanjungarg East

Runwal Forest

Runwal Bliss

Babu Dhun Marg

Kanjur Village

Trolley Line Rd

NH48

Prabhag61_beat

fid	area_name	beat_name	emp_responsible
Type number or expression...	Type text to filter...	Type text to filter...	Type text to filter...

No Features Available

- Click on the attributes spaces created in the bottom attribute table and fill required data.
- Click on save button again to save the data attached with that drawn polygon.



Prabhag61_beat

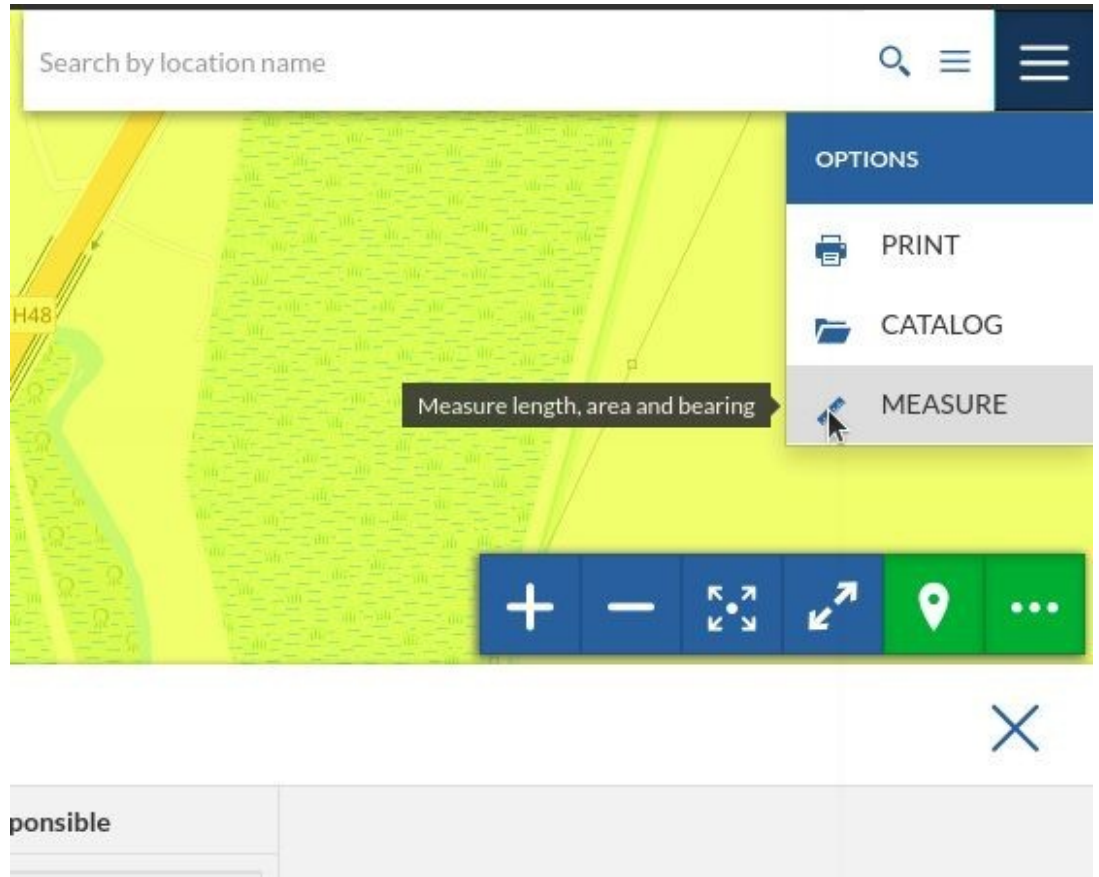
fid	area_name	beat_name	emp_responsible
1	Kanjurmarg_east	xyz	abc

1 Item (1 Selected)

© OpenStreetMap contributors. Scale: 1:9028

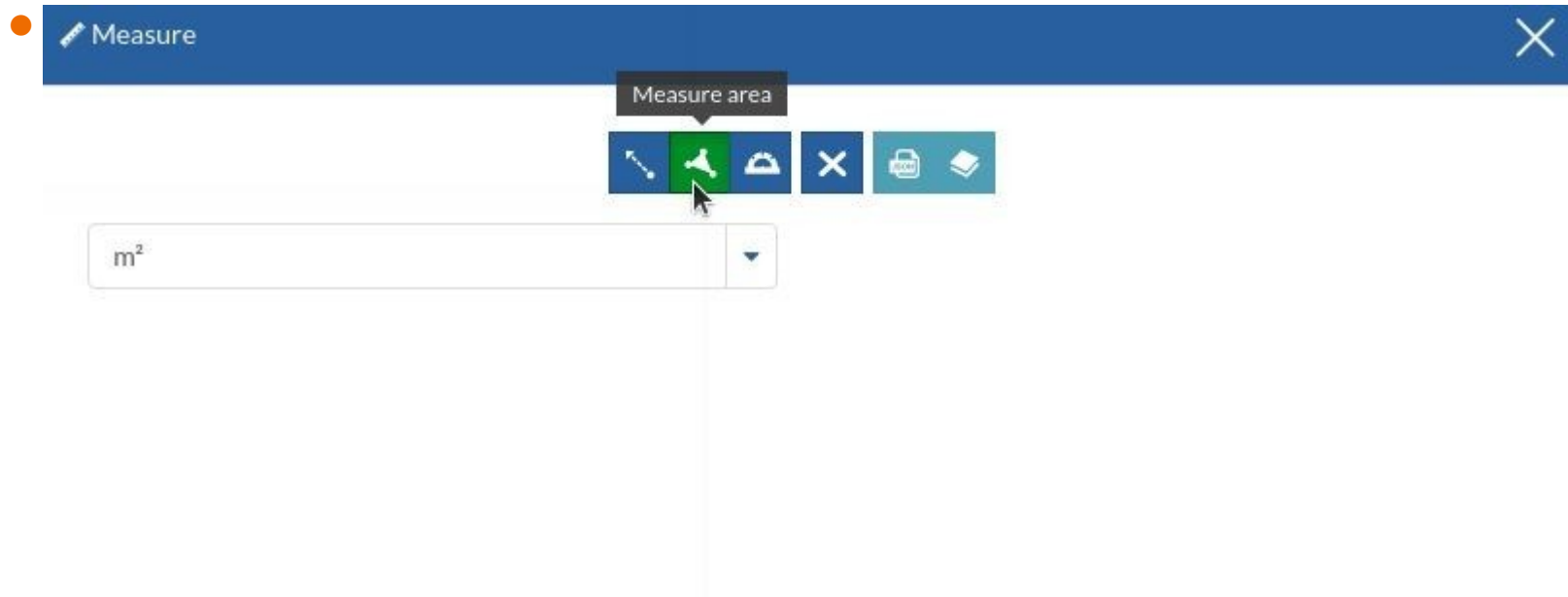
Now we need to make sure that the drawn polygon is approximately 8000 m. sq.

- Go to options icon in right most of the screen
- Click on measure.



Now we need to make sure that the drawn polygon is approximately 8000 m. sq.

- In this dialogue box click on second icon to measure the area of the polygon drawn.



Now we need to make sure that the drawn polygon is approximately 8000 m. sq.

- Slide the dialogue box using mouse to zoom on drawn polygon

The screenshot shows the GeoNode web interface in a Google Chrome browser. The browser's address bar displays the URL: `gis.communitygis.net/maps/new?layer=geonode:prabhag61_beat&view=True#`. The page features a dark header with the GeoNode logo, navigation links (Data, Maps, Apps, About), a search bar, and a user profile for 'Himanshi2301'. The main content area is split into a map on the left and a 'Measure' tool on the right. The map shows a satellite view of an urban area with a grey polygon drawn on it. Two labels on the polygon indicate a length of '117.67m'. A tooltip over the polygon says 'Click to continue drawing the polygon'. The 'Measure' tool on the right has a dropdown menu set to 'm²' and various icons for drawing and editing. Below the map, there is a toolbar with icons for navigation and editing. At the bottom, a table titled 'Prabhag61_beat' is visible, with columns for 'fid', 'area_name', 'beat_name', and 'emp_responsible'. The table shows '1 Item (1 Selected)'. The footer of the page includes the text '© OpenStreetMap contributors.' and a scale indicator 'Scale: 1:9028'.

GeoNode Data Maps Apps About Search Himanshi2301

Measure

m²

Click to continue drawing the polygon

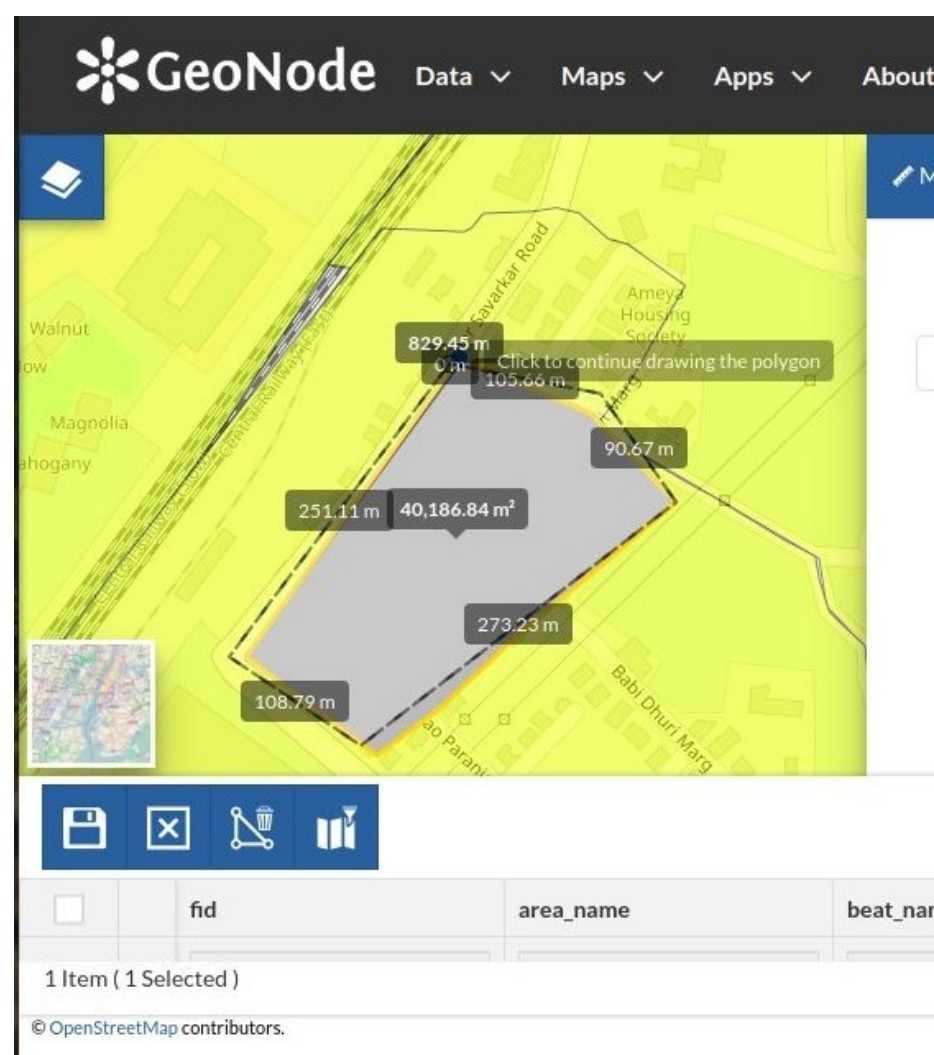
Prabhag61_beat

fid	area_name	beat_name	emp_responsible
1 Item (1 Selected)			

© OpenStreetMap contributors. Scale: 1:9028

Now we need to make sure that the drawn polygon is approximately 8000 m. sq.

- Start drawing polygon on the drawn polygon. It will show the area in between of the polygon. (Here its showing ~40,000 m sq which is way more higher than our requirement which is 8000 m sq.)



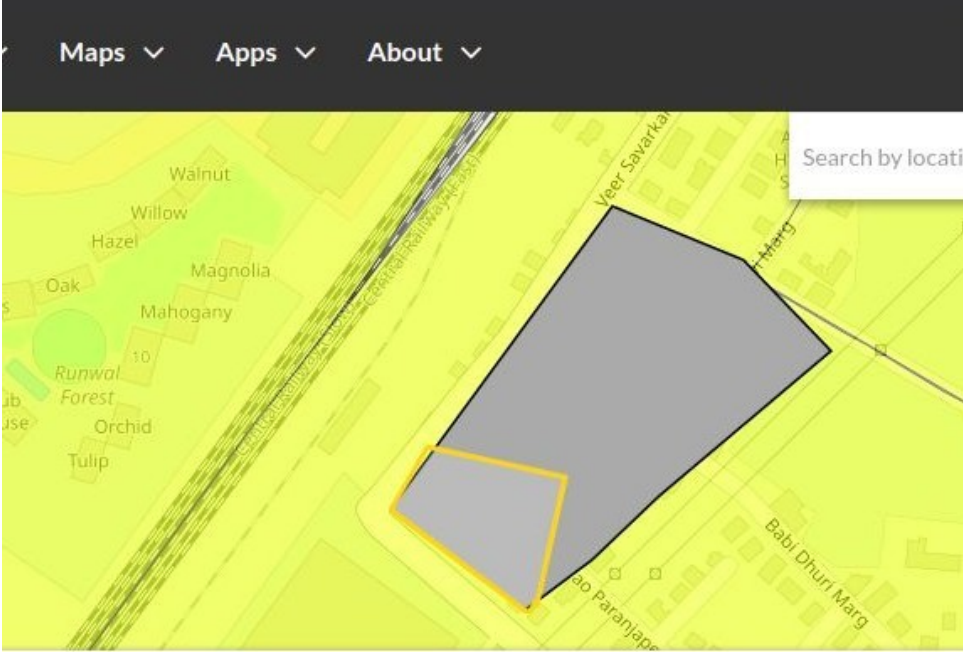
The screenshot displays the GeoNode web interface. At the top, the navigation bar includes the GeoNode logo and links for Data, Maps, Apps, and About. The main map area shows a satellite view with a yellow-shaded polygon being drawn. The polygon's area is displayed as 40,186.84 m². Various street names are visible, including Savarkar Road, Amey Housing Society, Babi Dhuri Marg, and Bho Parani. A tooltip indicates 'Click to continue drawing the polygon'. Below the map, there is a toolbar with icons for saving, deleting, and other map functions. At the bottom, a table shows one item selected.

	fid	area_name	beat_name
1 Item (1 Selected)			

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We need to edit the drawn polygon.

- Close the measure dialogue box
- Click on polygon's vertices and start reducing their lengths.



Prabhag61_beat

area_name	beat_name	emp_responsible
Type text to filter...	Type text to filter...	Type text to filter...
Kanjurmarg_east	xyz	abc

We need to edit the drawn polygon.

- Again measuring the area of reduced polygon.
- It's ~7800 m sq
- Close measure dialogue box.
- Click on save.

Search by location name

Measure

51.24 m

97.45 m

363.01 m

7,892.53 m²

83.56 m

117.55 m

13.2 m

m²

+ -

Prabhag61_beat

	area_name	beat_name	emp_responsible
number or expression...	Type text to filter...	Type text to filter...	Type text to filter...
	Kanjurmarg_east	xyz	abc

- Similarly you add more features(polygons)
- You can also Login later to edit layer and more features



Prabhag61_beat

<input type="checkbox"/>		fid	area_name	beat_name	emp_responsible
		<input type="text" value="Type number or expression..."/>	<input type="text" value="Type text to filter..."/>	<input type="text" value="Type text to filter..."/>	<input type="text" value="Type text to filter..."/>
<input type="checkbox"/>		1	Kanjurmarg_east	xyz	abc

Add layer to the map

The screenshot displays the GeoNode web application interface. The browser's address bar shows the URL `gis.communitygis.net/maps/new?layer=geonode:building_wise&view=True#`. The GeoNode logo and navigation menu (Data, Maps, Apps, About) are at the top. On the left, a sidebar contains a 'Filter layers' input and a list of layers, with 'Beat' currently selected. The main area features a world map. On the right, a 'Catalog' panel is open, showing search results for 'kwest'. Two results are listed: 'KWEST' and 'kwest_property_location_details', each with a thumbnail map, a description, and a unique identifier. At the bottom right, a scale bar indicates 'Scale: 1:295829355'.

GeoNode

Filter layers

Default

Beat

Catalog

kwest

Search

KWEST

No abstract provided

2098f3f4-63a3-11ec-8463-0242ac120009

kwest_property_location_details

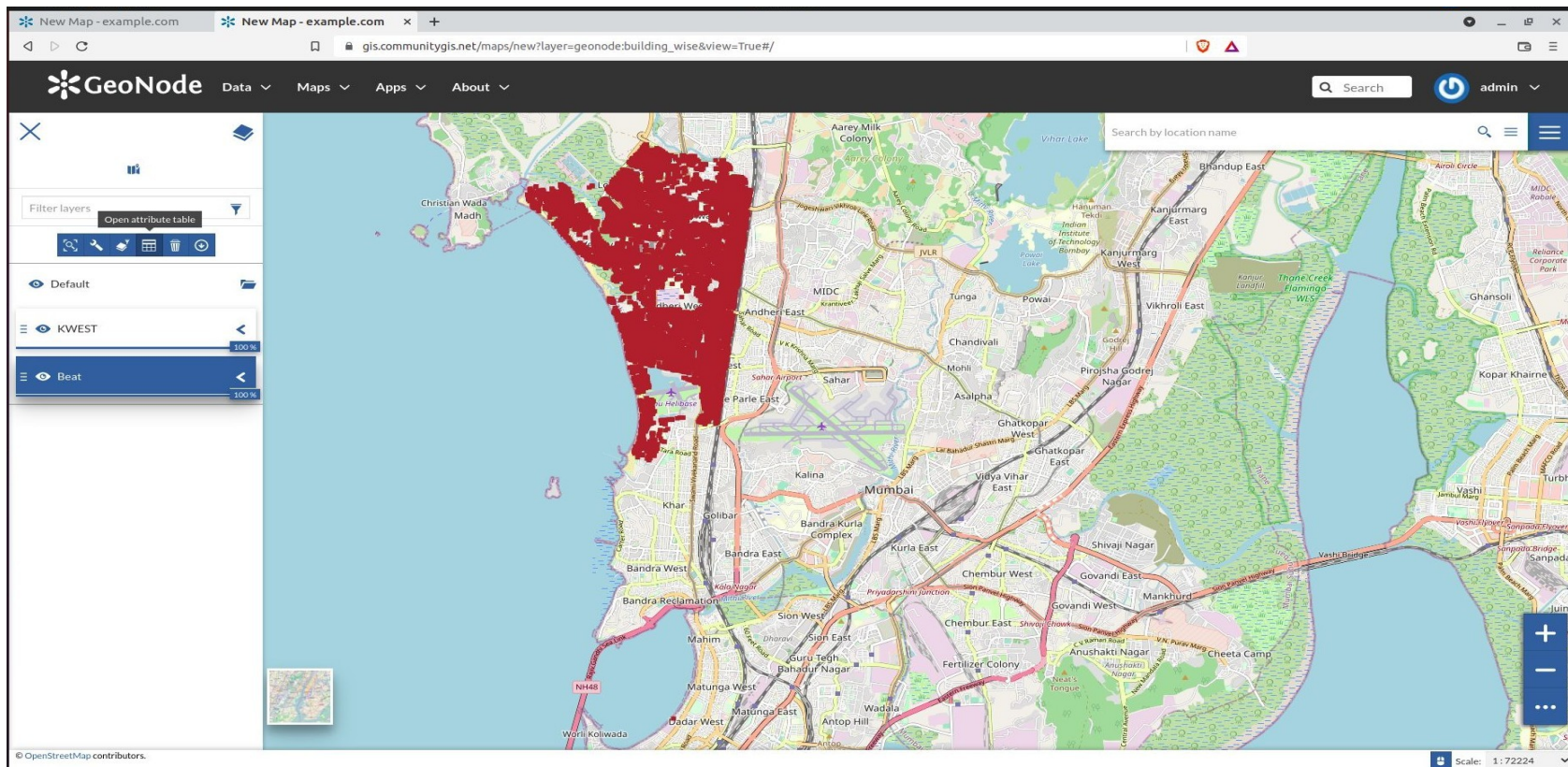
No abstract provided

11c93294-63ad-11ec-b219-0242ac120009

Results 1-2 of 2

Scale: 1:295829355

Select new layer and open attribute



Click on edit mode button to add

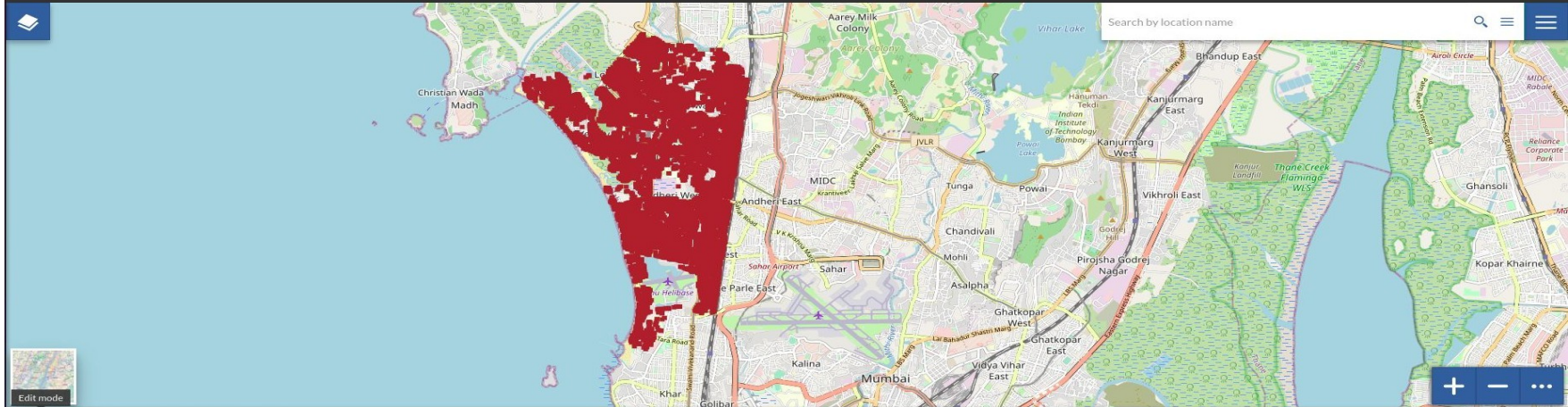
New Map - example.com x +

gis.communitygis.net/maps/new?layer=geonode:building_wise&view=True#/

GeoNode Data Maps Apps About

Search admin

Search by location name



Edit mode

Beat

fid

Type number or expression...

No Features Available

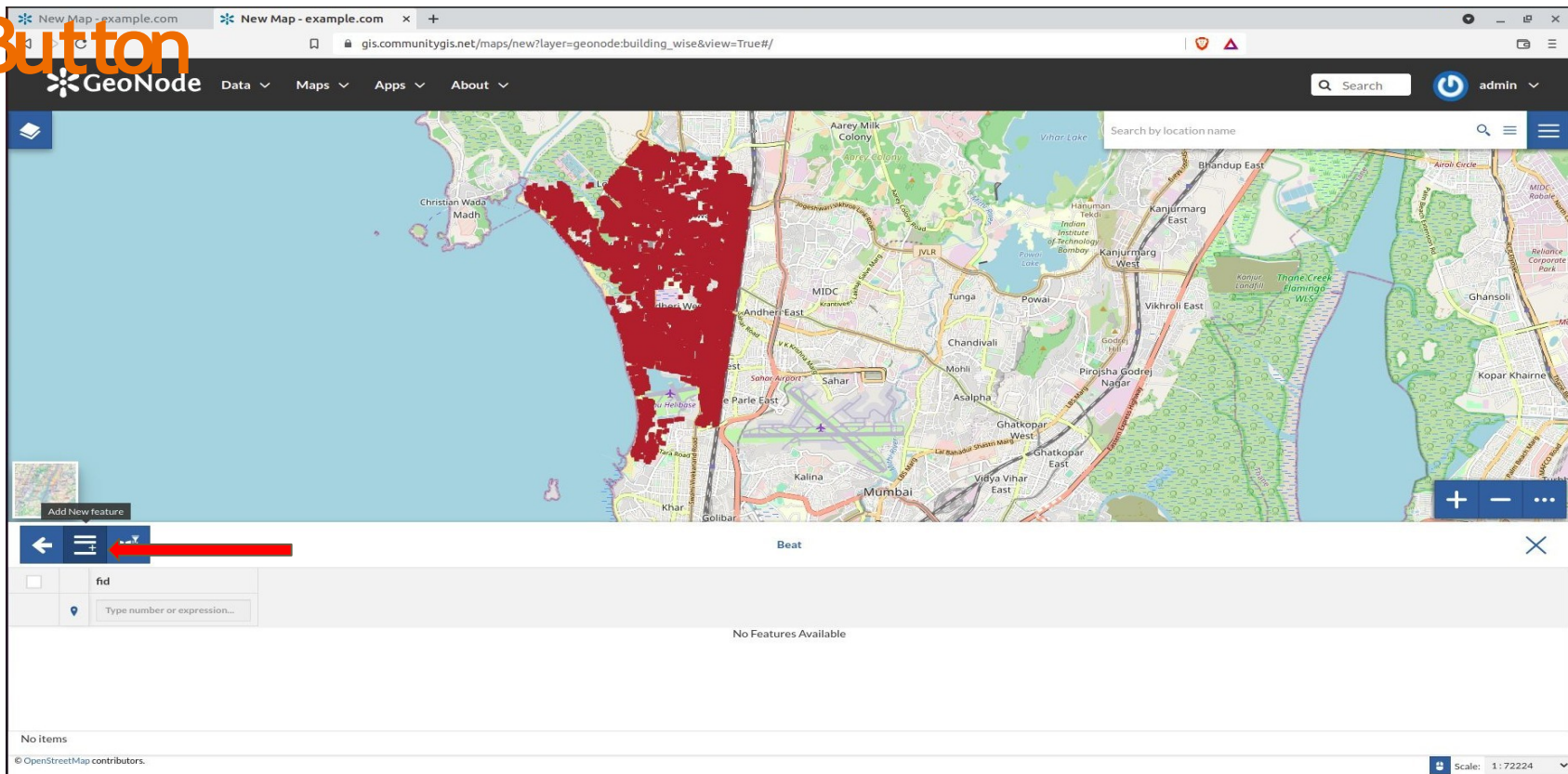
No items

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Scale: 1:72224

Click on “Add New Feature”

Button



Start creating

New Map - example.com New Map - example.com +

gis.communitygis.net/maps/new?layer=geonode:building_wise&view=True#/

GeoNode Data Maps Apps About

Search admin

Search by location name

Cancel geometry creation

Beat

fid

Type number or expression...

No Features Available

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Create beat polygon and save

New Map - example.com x +

gis.communitygls.net/maps/new?layer=geonode:building_wise&view=True#/

GeoNode Data Maps Apps About

Search by location name

Search

admin

Beat

fd

Type number or expression...

1

1 item

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Note : Similarly layers can be created for point geometry as well as line geometry. Only thing to be taken care of : choosing appropriate geometry type.

Thanks