OPEN MAPPING EDUCATION SERIES

OPENSTREETMAP MODULES 1-5

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OPENSTREETMAP MODULE 1

OSM BASICS I: ACCOUNT CREATION & INTERFACE

LEARNING OBJECTIVES

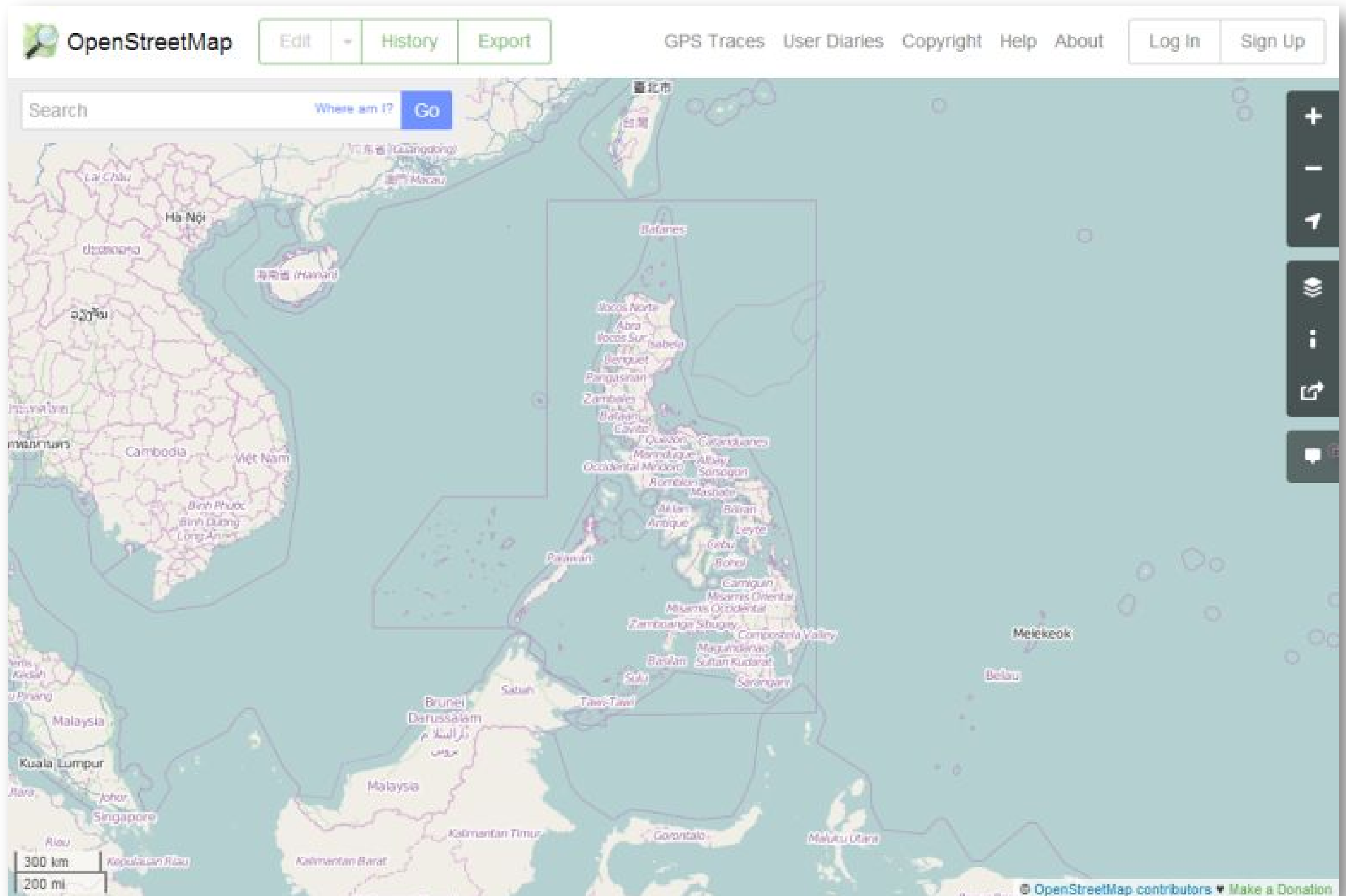In this module, you will learn how to:

- Create an OpenStreetMap account. An account is necessary to identify your contributions and edits to OpenStreetMap.

- Master the OpenStreetMap interface

  - Search for places using Nominatim

  - Pan the map, zoom in, zoom out

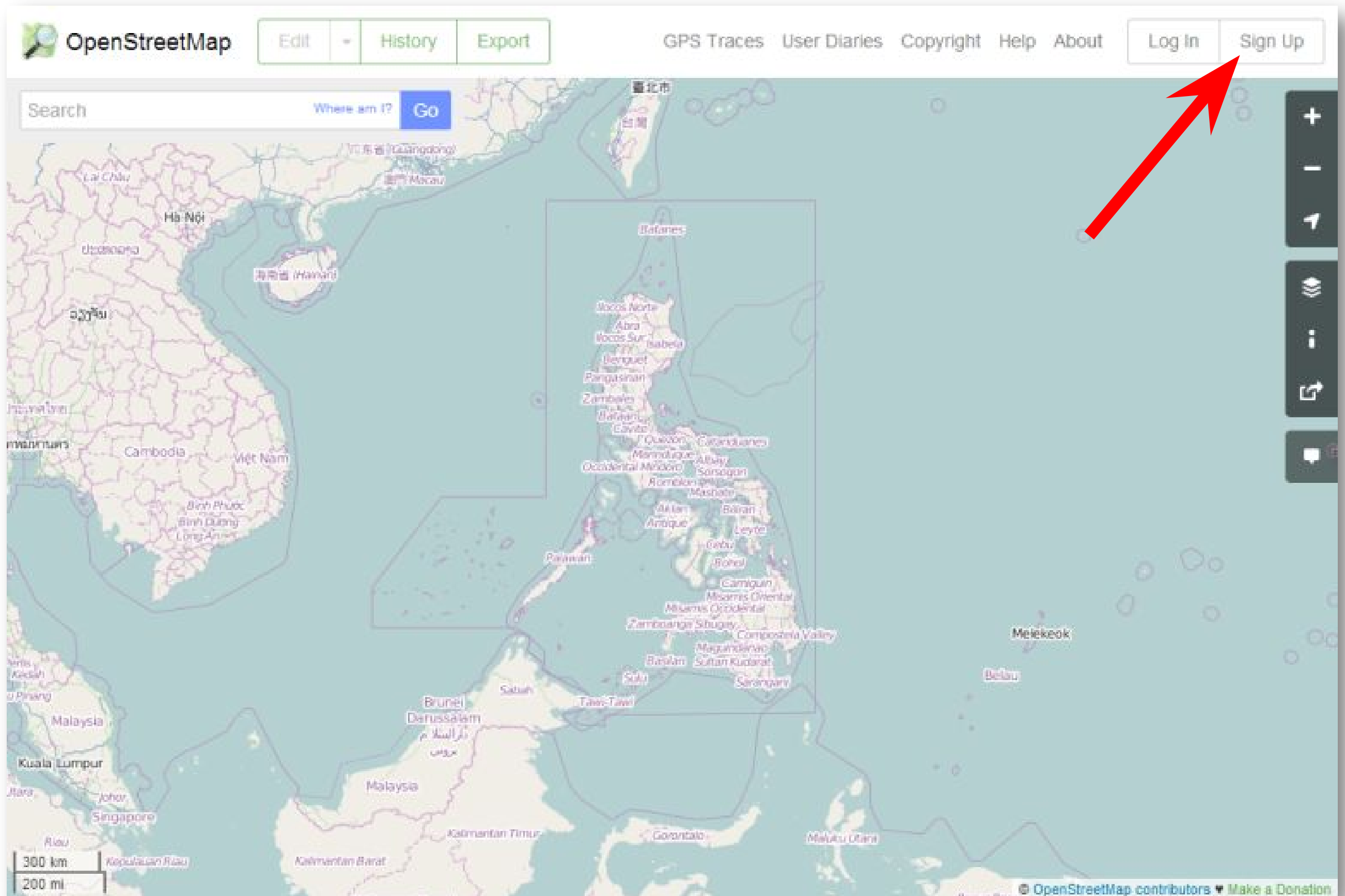 - Access help

  - Change map styles and background imagery

PART ONE - ACCOUNT CREATION

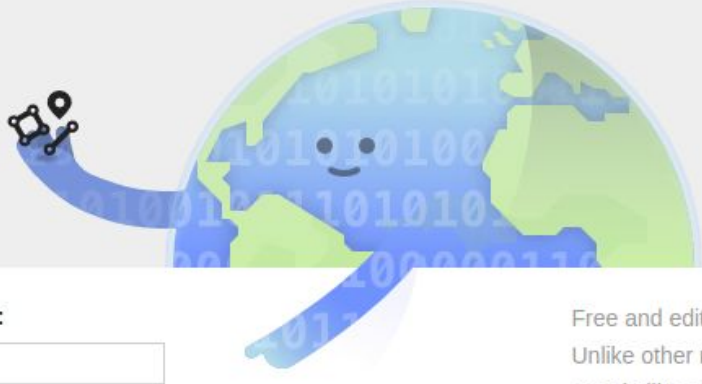# GO TO WWW.OPENSTREETMAP.ORG

CLICK 'SIGN UP'

SIGN UP

- Enter your email address
- Choose a unique username
- Choose a password
- Click 'Sign Up'
- Check your email

Congratulations!

You are now a part of the global OpenStreetMap community!
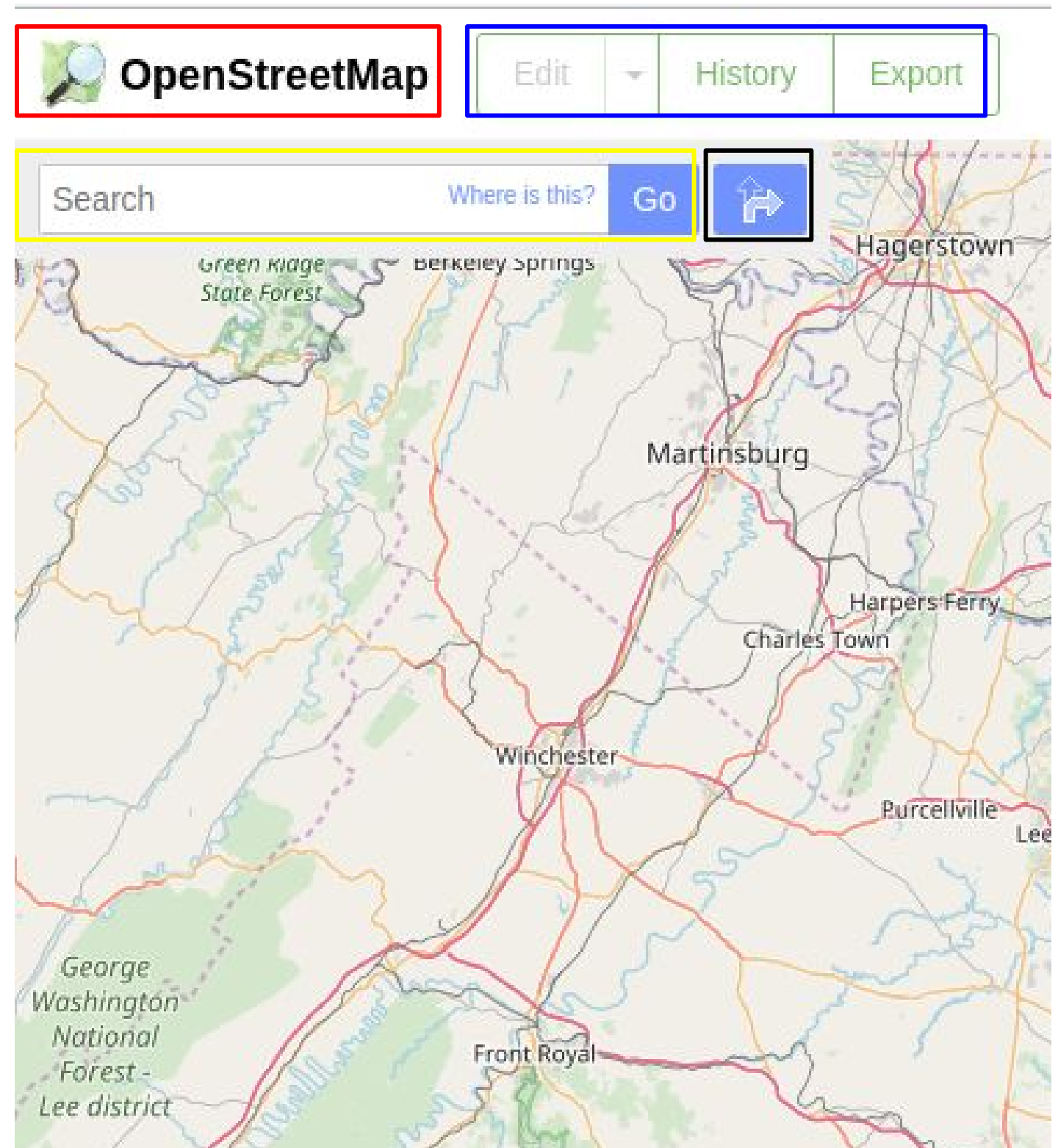
PART TWO - THE INTERFACE

THE OPENSTREETMAP INTERFACE

- Navigate to www.openstreetmap.org

CONTROLS

- OSM logo / Home button
- Edit / History / Export
- Search Box
- Directions button

SEARCH BOX

FIND A PLACE ON THE MAP

- Locate the search box near the upper left corner
- Use the search box to enter a placename, then hit 'return'.
- For example, the figure below shows result for places named 'Milwaukee'.
- Try searching for places near you or places you've visited.
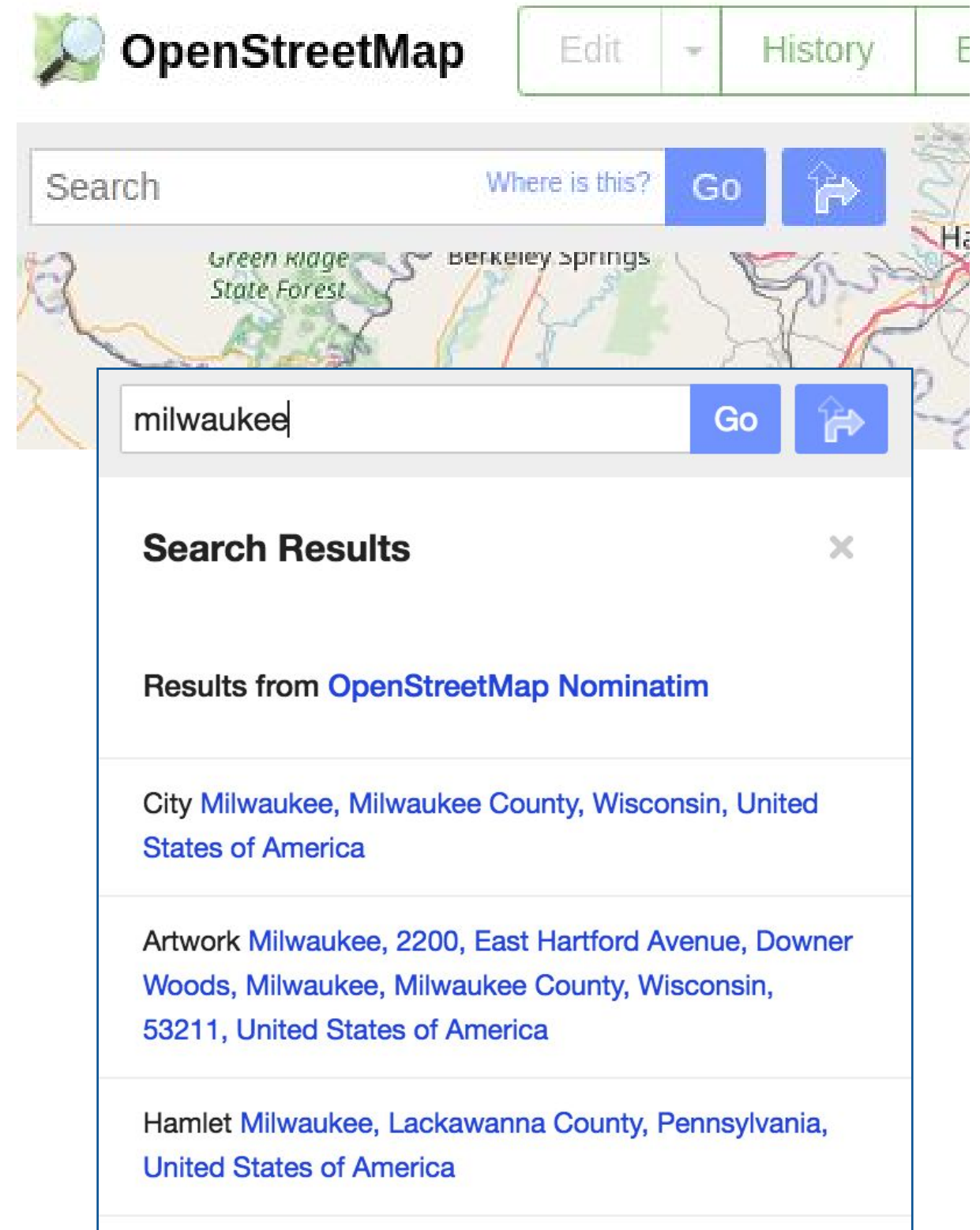
ABOUT: THE OSM GAZETTEER

The OpenStreetMap search function relies on a gazetteer. A gazetteer is a list of place names and the corresponding geographical coordinates of the place. When used with a map, a gazetteer functions like an index of places.

For more information, see the Nominatim entry on the OpenStreetMap wiki. Also, repeat your search using the web version of Nominatim. Make sure to click on, 'Details' to find out more details about your area of interest

EDIT BUTTON

Clicking on the Edit dropdown arrow presents 3 editing options:
- Edit with iD
- Edit with Potlatch
- Edit with Remote Control

You will learn to edit with iD in the following module. Stay tuned!
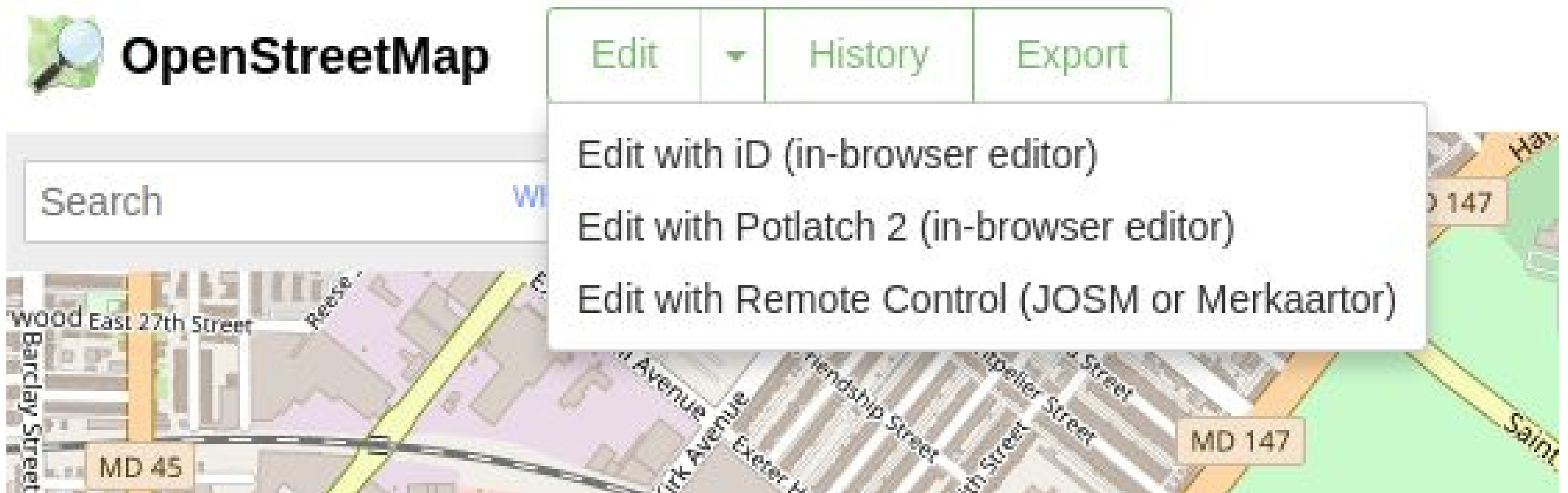
HISTORY BUTTON

- Click History to reveal additions and changes to the map in the area shown in your map window
- Click a changeset to reveal additional information about the edit.
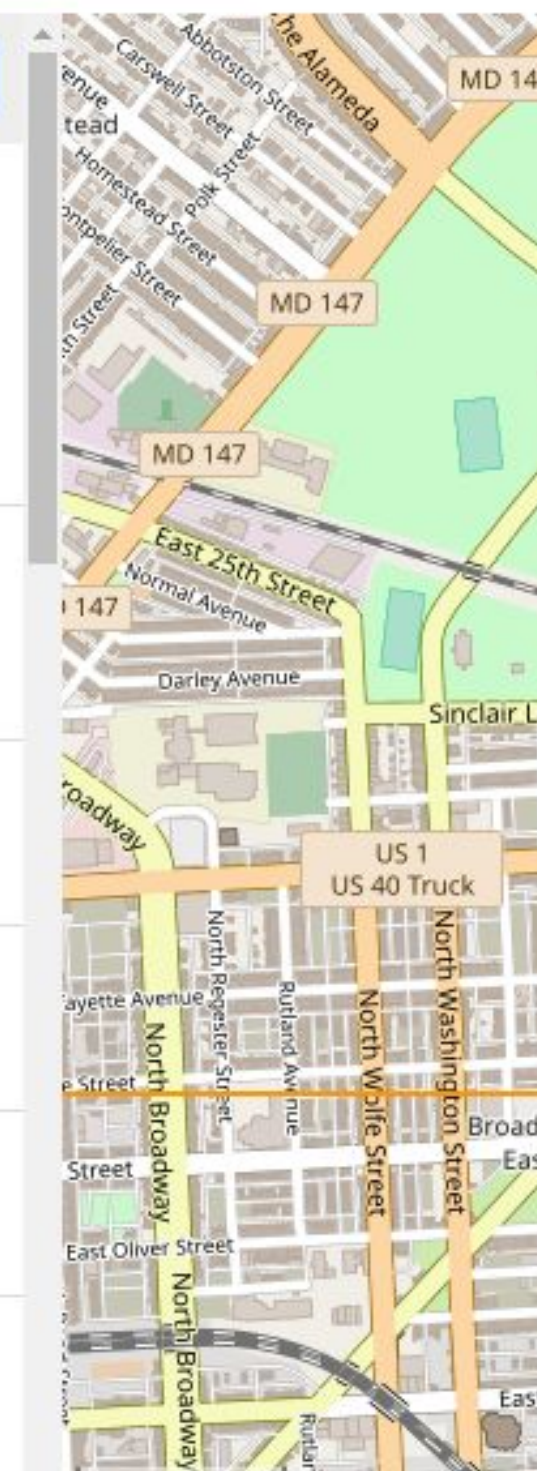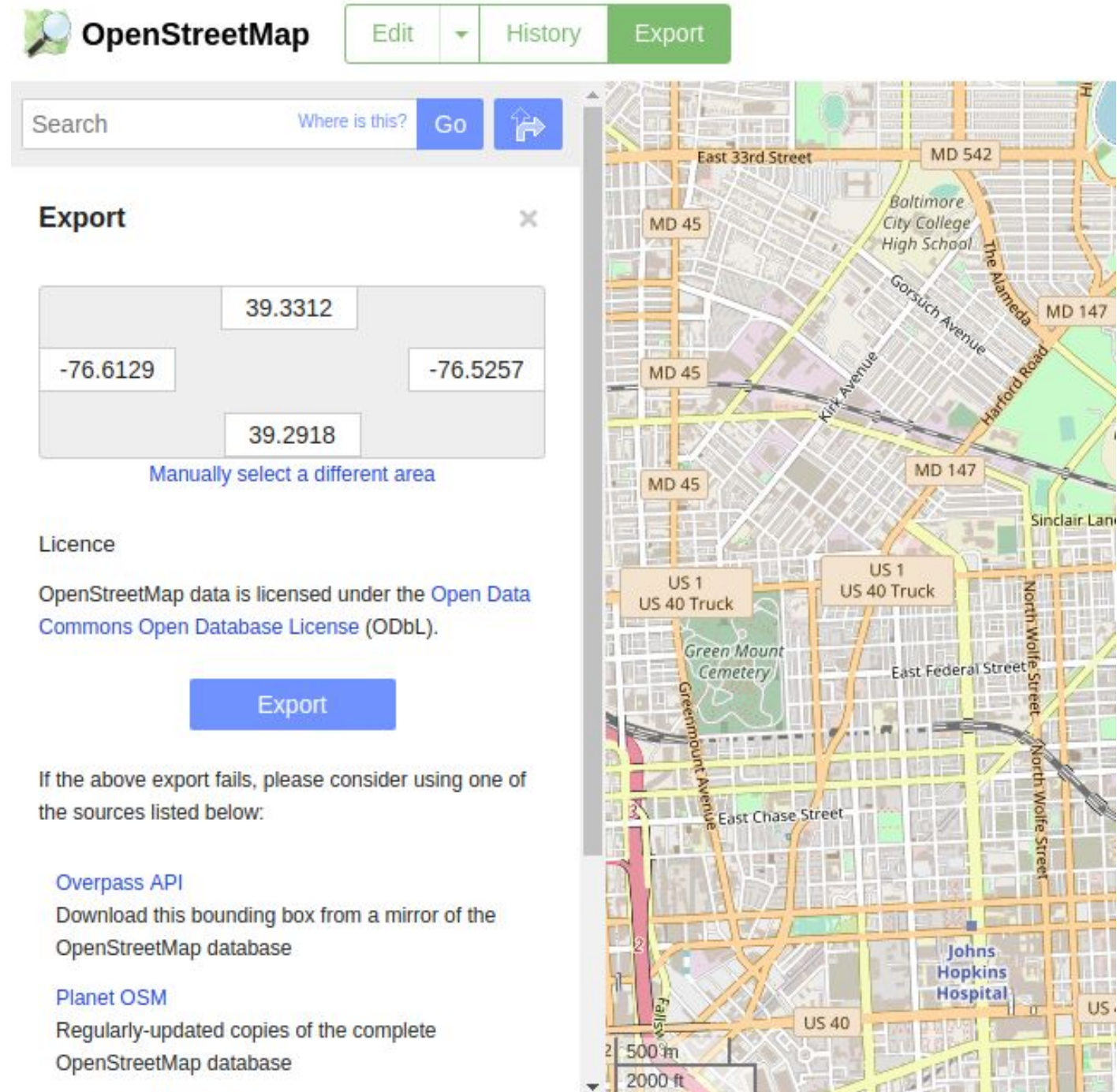
EXPORT BUTTON

Allows you to carry out basic exports of map images or raw OpenStreetMap data in a particular area.

DIRECTIONS

Route directions from one point to another. Use the dropdown to select mode of transport (car, bicycle, pedestrian).
Type two places and press 'Go!'

LINKS (left to right)

- GPS Traces - where community members upload GPS traces
- User Diaries - where mappers post reports and share knowledge
- OSM Copyright Info
- OSM Help
- About the OSM Project
- Log In
- Sign Up
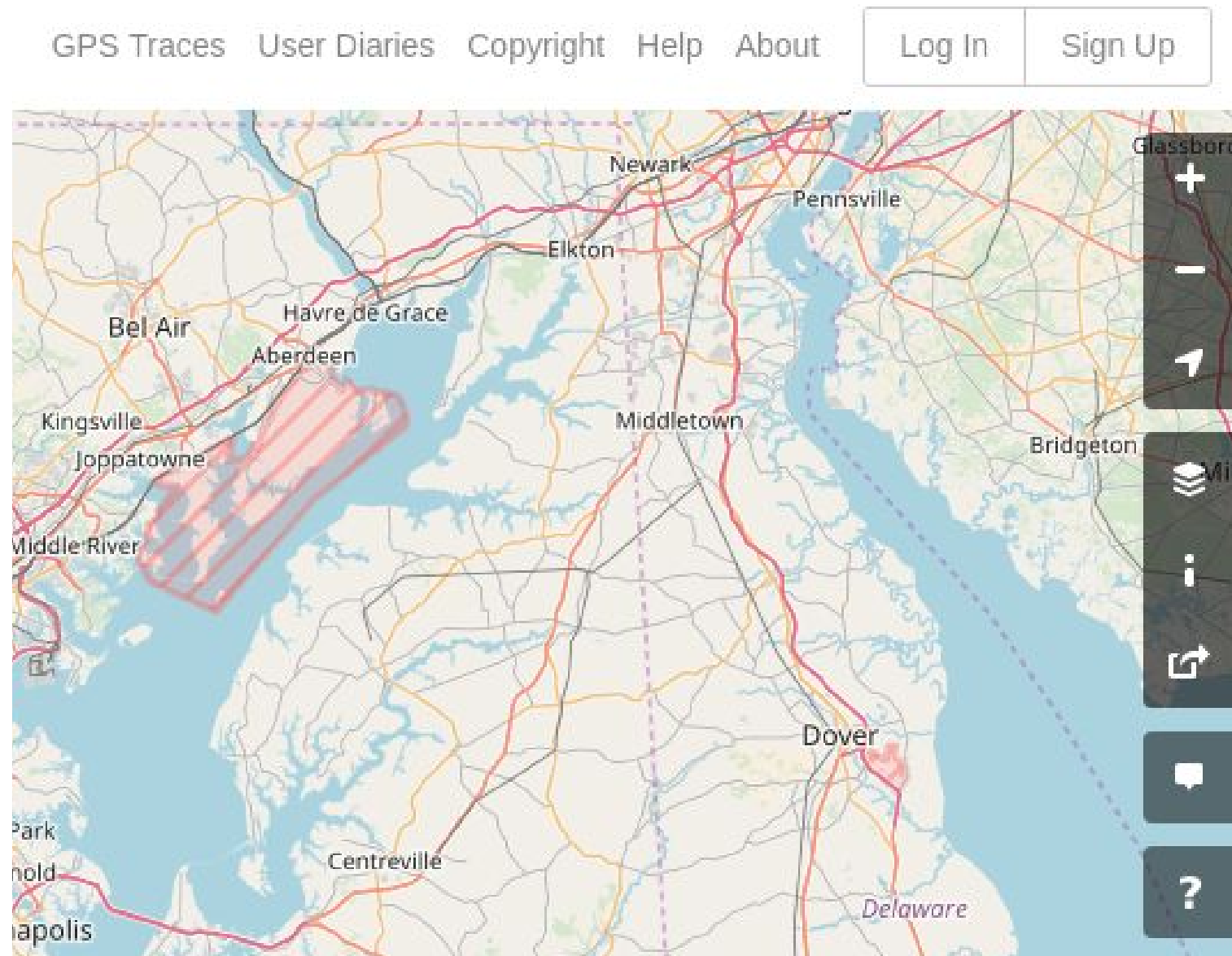
MAIN MAP CONTROLS (top to bottom)

- Zoom In

- Zoom Out

- Show My Location

- Layers

- Map Key

- Share the map

- Annotate the map

- Query map features

CONTROL YOUR VIEW - PAN & ZOOM

Once you locate your area of interest, you may want to change the view.

- PAN: Click and hold the mouse/touchpad and (simultaneously) drag.
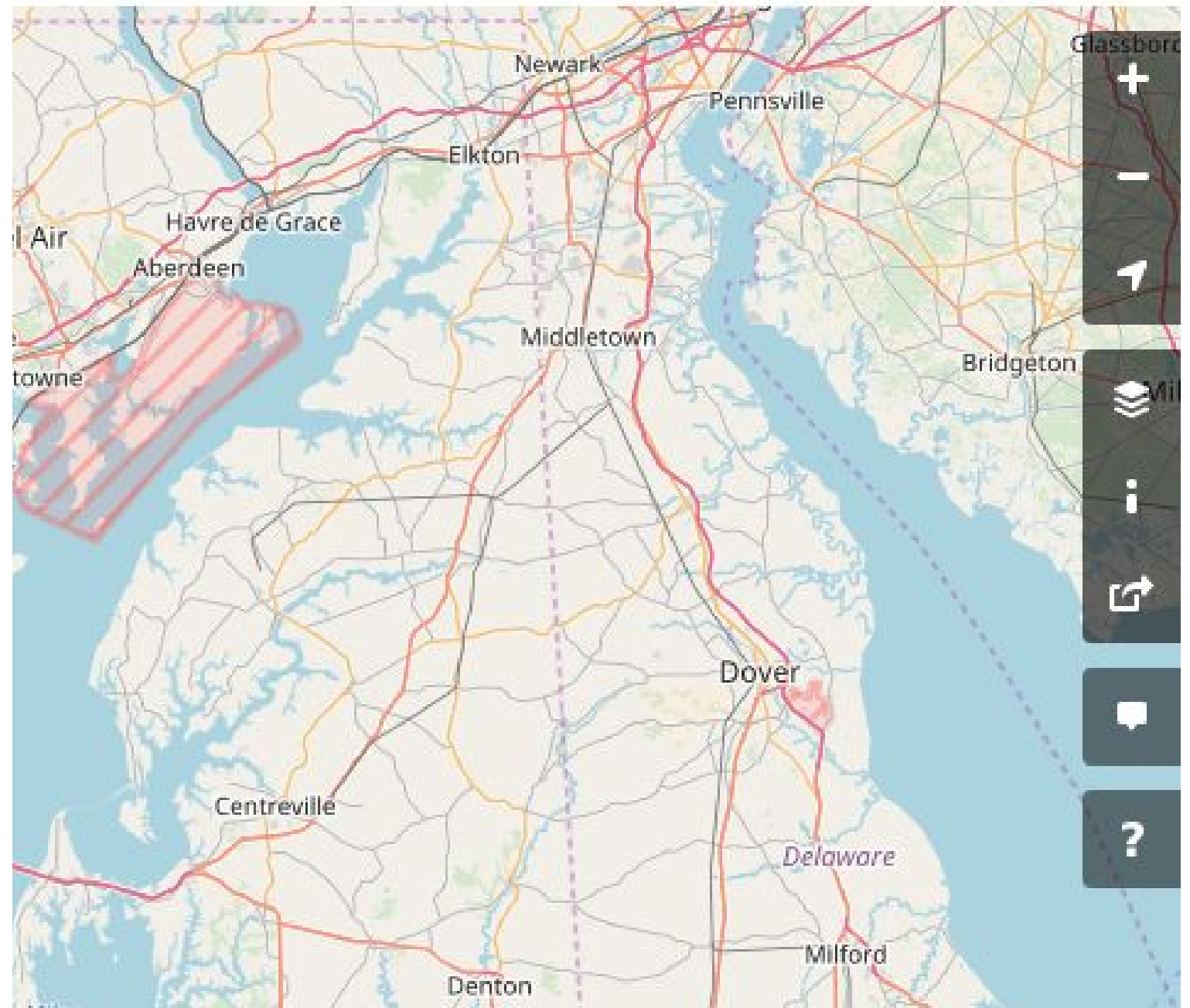- ZOOM: Change the scope of the view. For example, zoom out to gain a wider view, or zoom in to see more local detail. Try each control by clicking:

    - + Zoom In

   - - Zoom Out

- ZOOM TO YOUR LOCATION
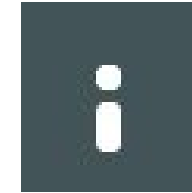
CONTROL YOUR VIEW - LAYERS

Click to reveal the Map Layers
control box. Existing layers:

- Standard: shows the default view
- Cycle Map: Shows National Cycle Network
  routes, regional and local routes, and
  cycling-specific features
- Transport Map: shows public transport
  lanes like railways, buses and trams
- Humanitarian: focused on resources useful
  for humanitarian organizations and citizens
  in general in emergency situations,
- Map Notes: Show notes added by other
  community members. Click the marker to
  read and comment on notes.
- Map Data: Loads raw map data for the
  visible area of the map. Elements (nodes
  and ways) can be selected, by clicking on
  the map itself, or on the object list show in
  the left side panel.
- Public GPS Traces: tracks uploaded by
  other OSM users.
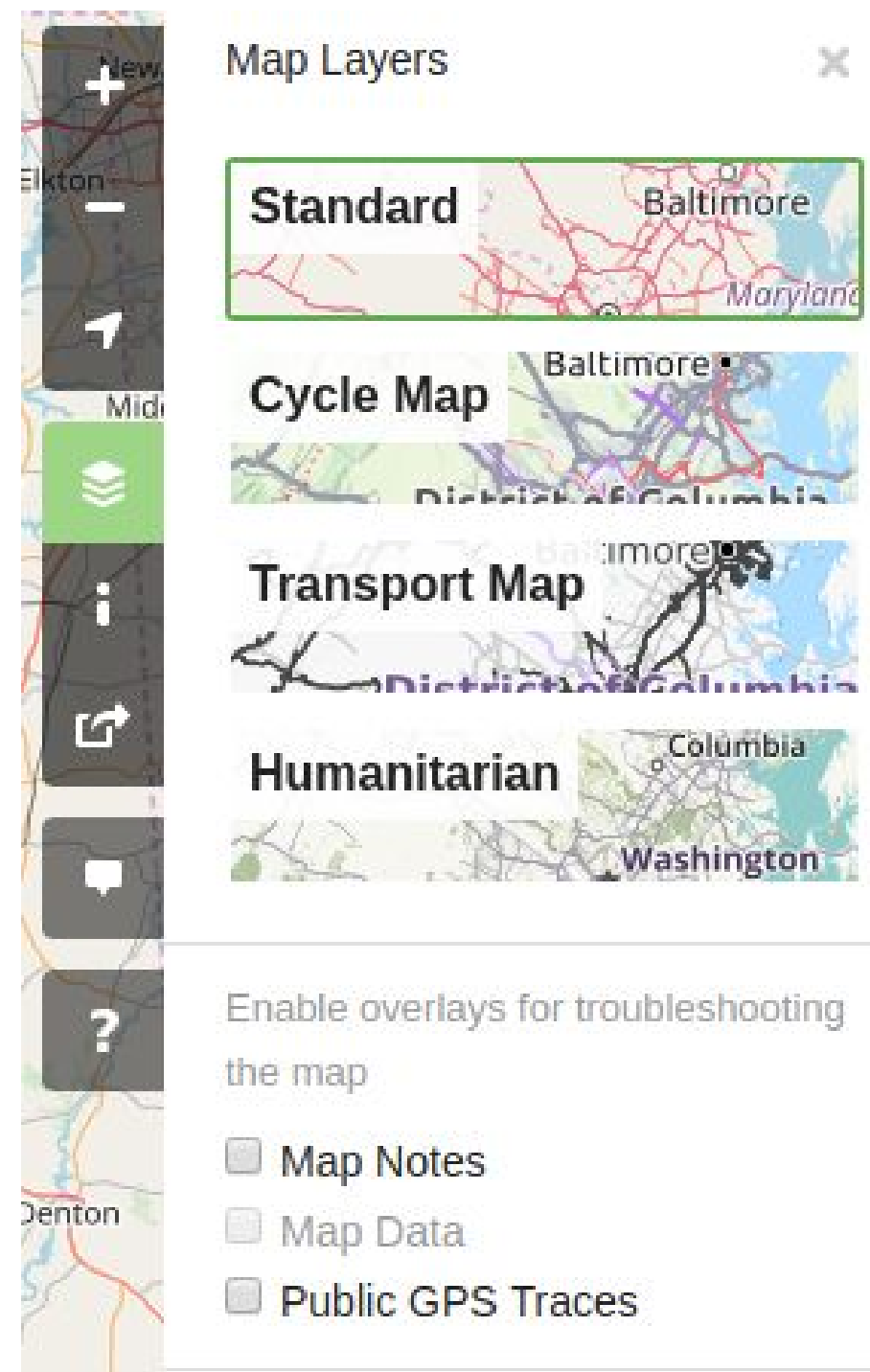
CONTROL YOUR VIEW - MAP KEY

- Click to reveal a map legend. You will see roads, land use, and other features depending on your current location on the map.
- Zoom or pan the map to change contents of the key.
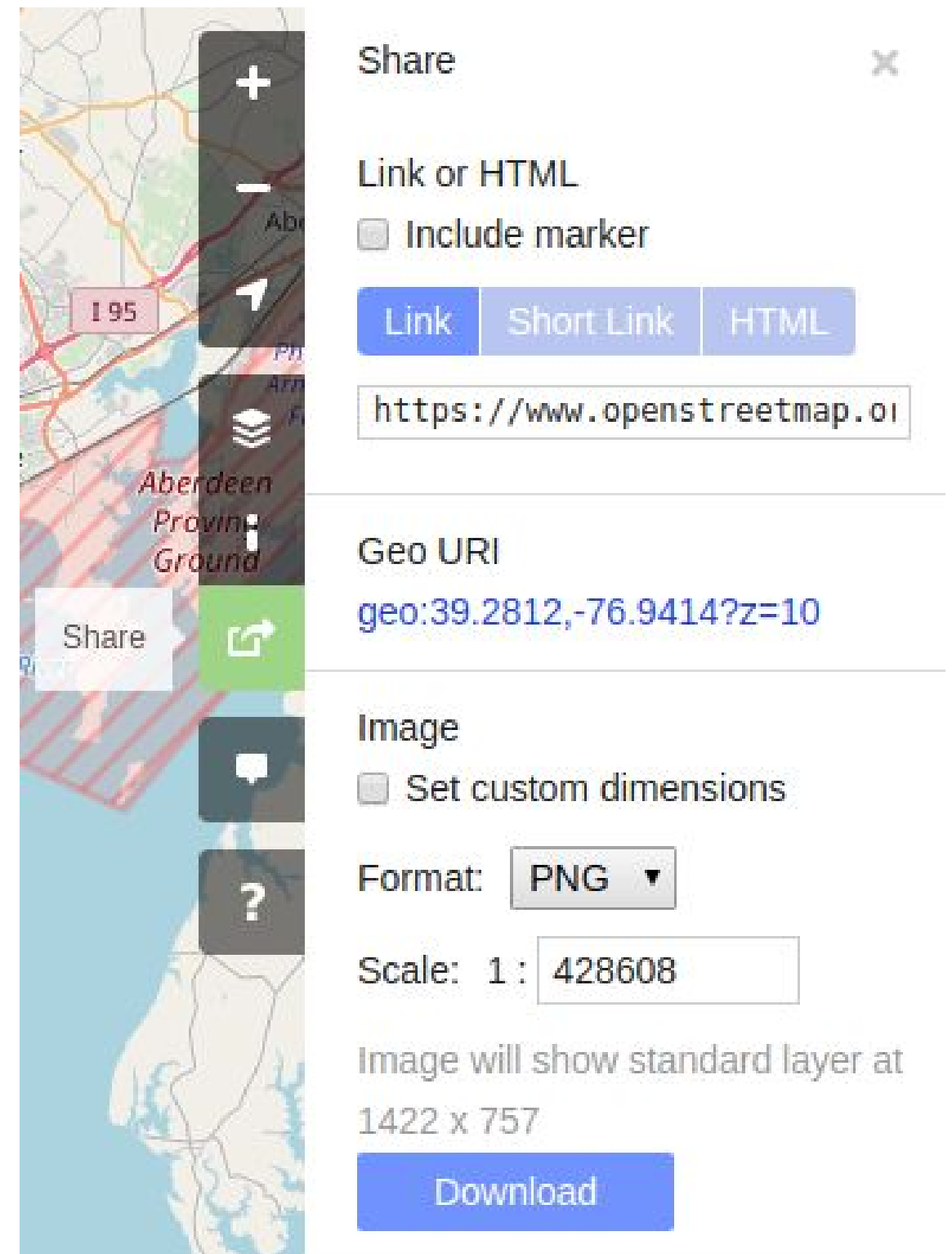- Click the 'x' in the corner to close.
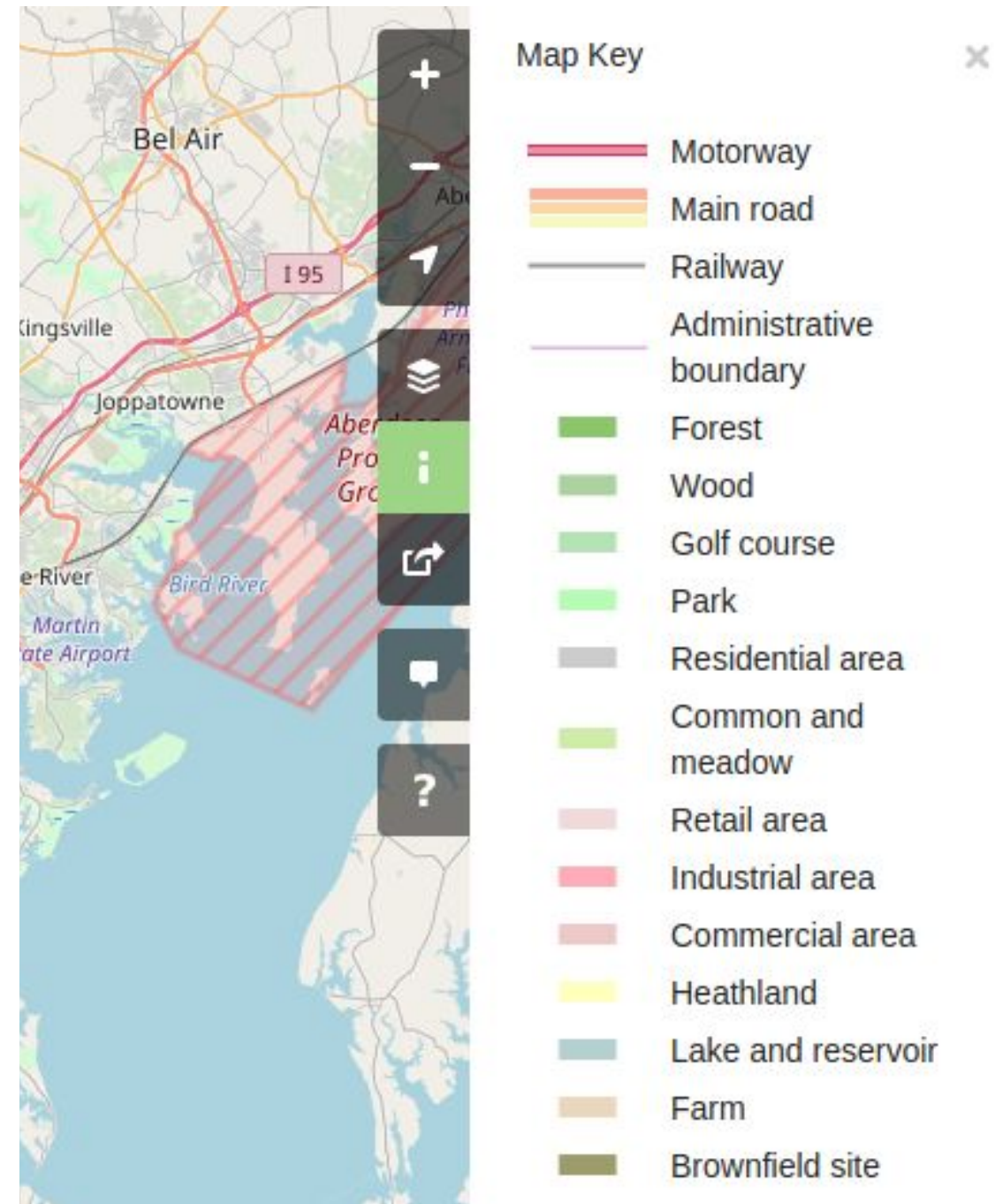
CONTROL YOUR VIEW - SHARE

Share your map with others with a few options:

- Link

- Short Link

- HTML

- Geo URI

- Download an Image File (PNG, JPG, SVG, PDF)

- Add a pin to the map by clicking "include marker"
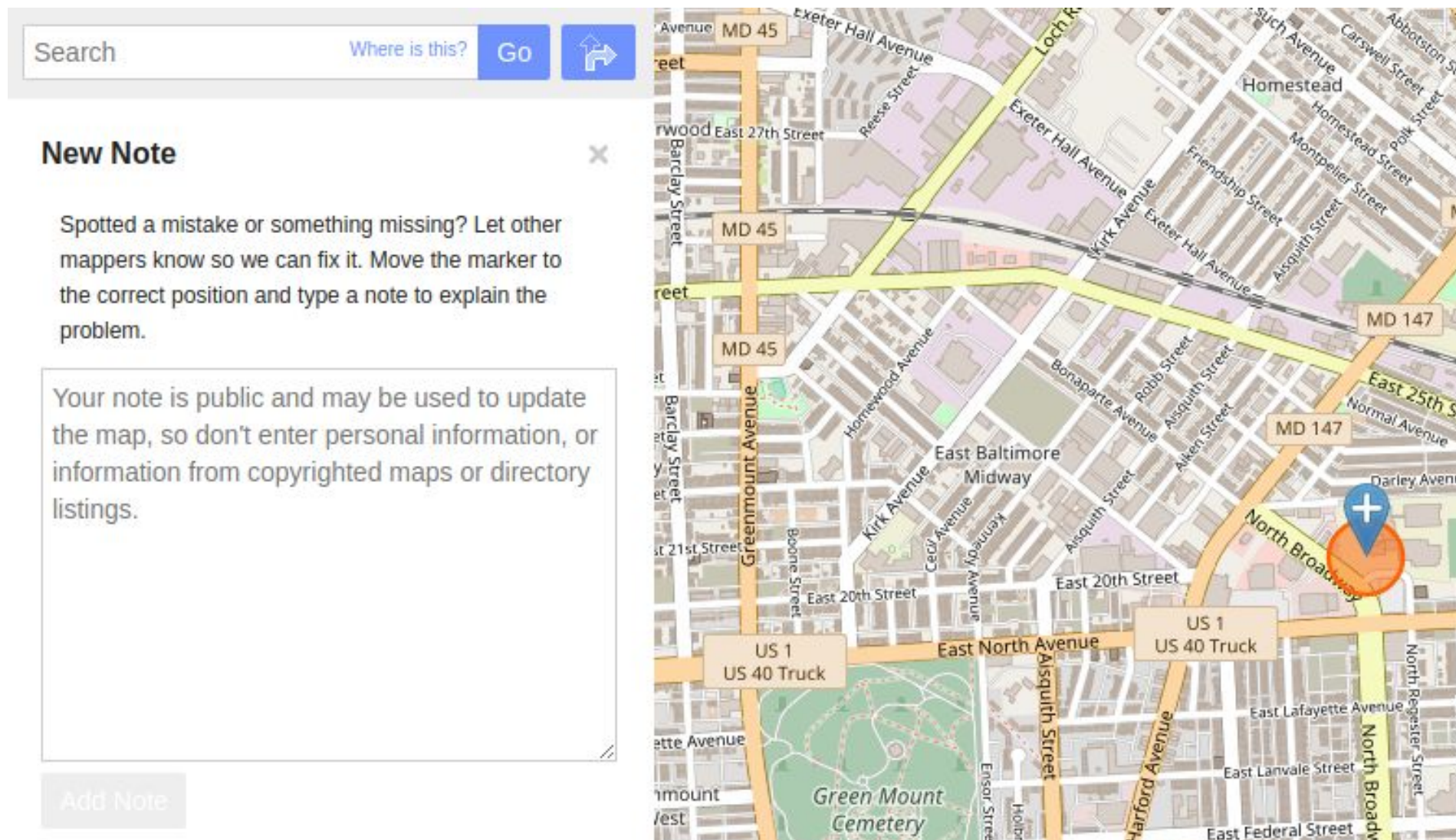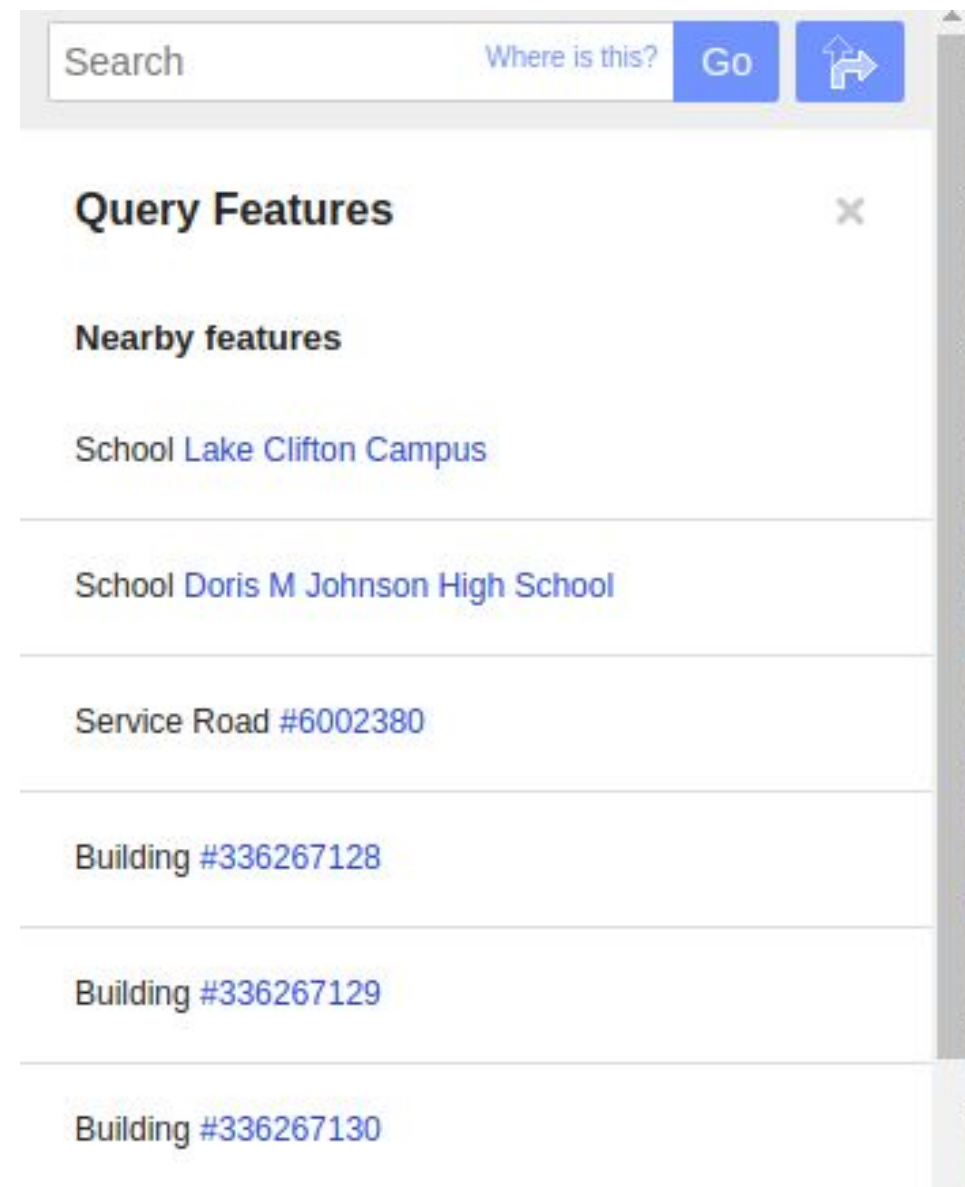
CONTROL YOUR VIEW - ADD A NOTE

- Zoom into the place you would like to add a note.
- Click the Note icon.
- A pin will appear on the map and a box will open beneath the search bar.

CONTROL YOUR VIEW - QUERY THE MAP

- Click the ?

- Click a spot in the map to see which data elements are at this spot.

- A description of the feature will show on the left-hand side of the screen.

- Close by clicking the 'x'

NEXT IN THE SERIES - OSM MODULE 2

OPENSTREETMAP BASICS II