

Basic OSM iD Editor

Last Updated: July 18, 2019



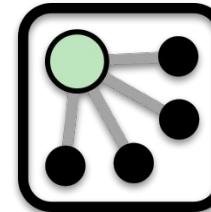
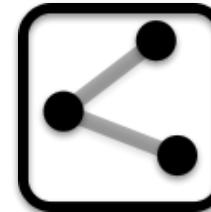
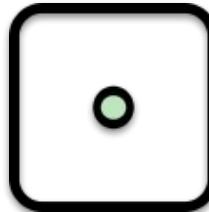
Agenda

- **Objective**
- **Data Structure**
 - **Node**
 - **Way**
 - **Relations**
 - **Tags**
- **Tools**
 - **idEditor**
 - **View**
 - **Sidebar**

Objective

Objective

**Gain a basic understanding
how to read through OSM data
on id Editor.**



Data Structure

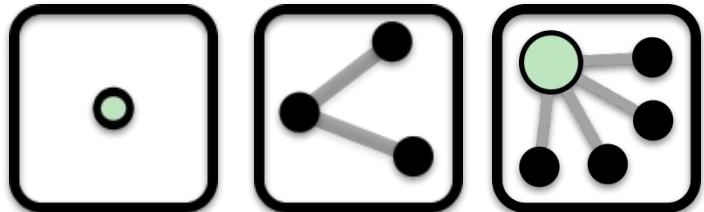
Overview

OSM information is all in one layer

In contrast to traditional GIS data

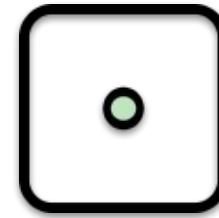
**Every object in OSM is made up of nodes, ways,
relations, and their attributes**

**Attributes are made of keys and values in endless
combinations**



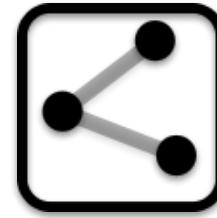
Node

- A single point
- Can stand alone or in conjunction with ways
- Used to tag anything from businesses, traffic control elements , to natural features



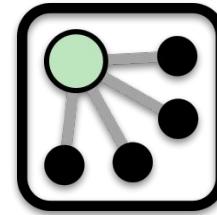
Way

- A way is a line between two nodes
- Divided into open ways and closed ways
- A closed way is another word for a polygon
- Each one carries a direction
- Used to model anything from roads, buildings, to boundaries



Relations

- A relation is an ordered list with some sort of theme uniting them
- A multipolygon is a type of relation used to unite complex areas made up of separate polygons
- Used to model routes and boundaries



Tags

- Contain the attributes for OSM objects



Key	Value
addr:housenumber	400
addr:postcode	98109
addr:state	WA
addr:street	Broad Street
building	yes
ele	40
gnis:county_name	King
gnis:feature_id	1508574
height	158.115
man_made	tower
min_height	156.058
name	Space Needle
note	Approximate Height at Bottom of "Halo"
opening_hours	Mo-Sa 08:00-23:00; Su 08:00-21:00
phone	+1 (206) 905-2100
seamark:landmark:category	tower
seamark:name	Space Needle
seamark:type	landmark
source	Yahoo aerial imagery;local knowledge
toilets:wheelchair	yes
tourism	attraction
tower:type	observation
website	http://www.spaceneedle.com/
wheelchair	yes
wikidata	Q5317
wikipedia	en:Space Needle

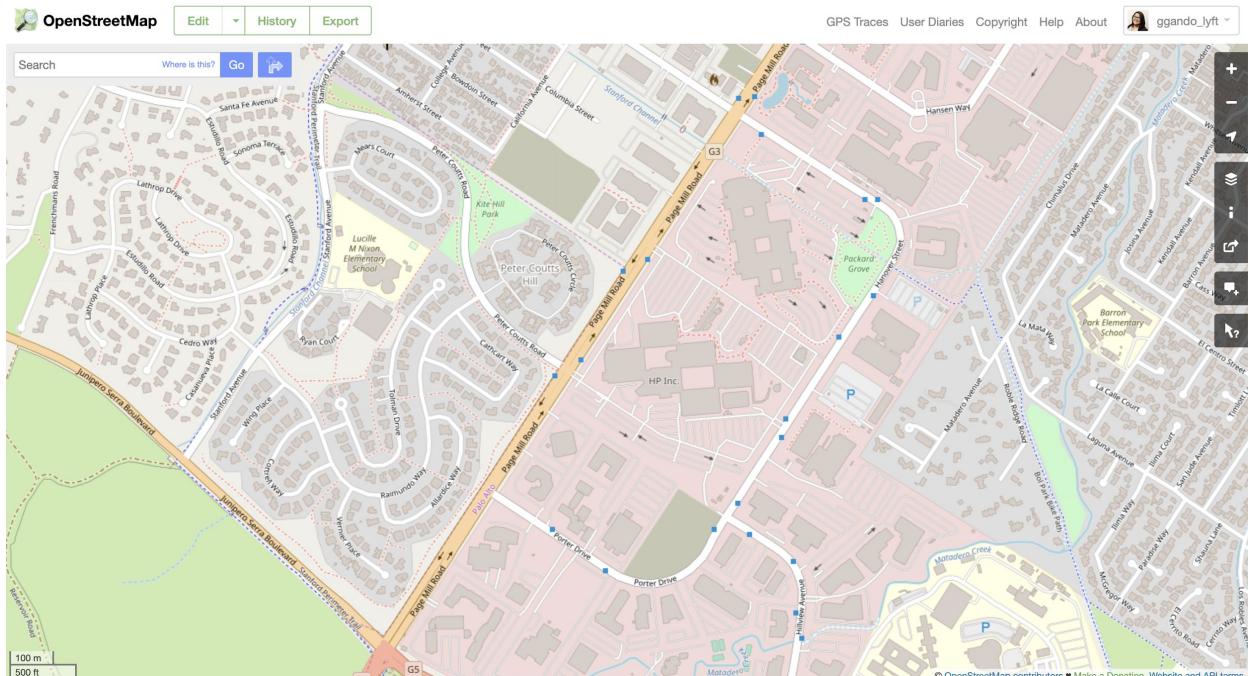
Tools

www.openstreetmap.org

iDEditor

Functionality

- General Map

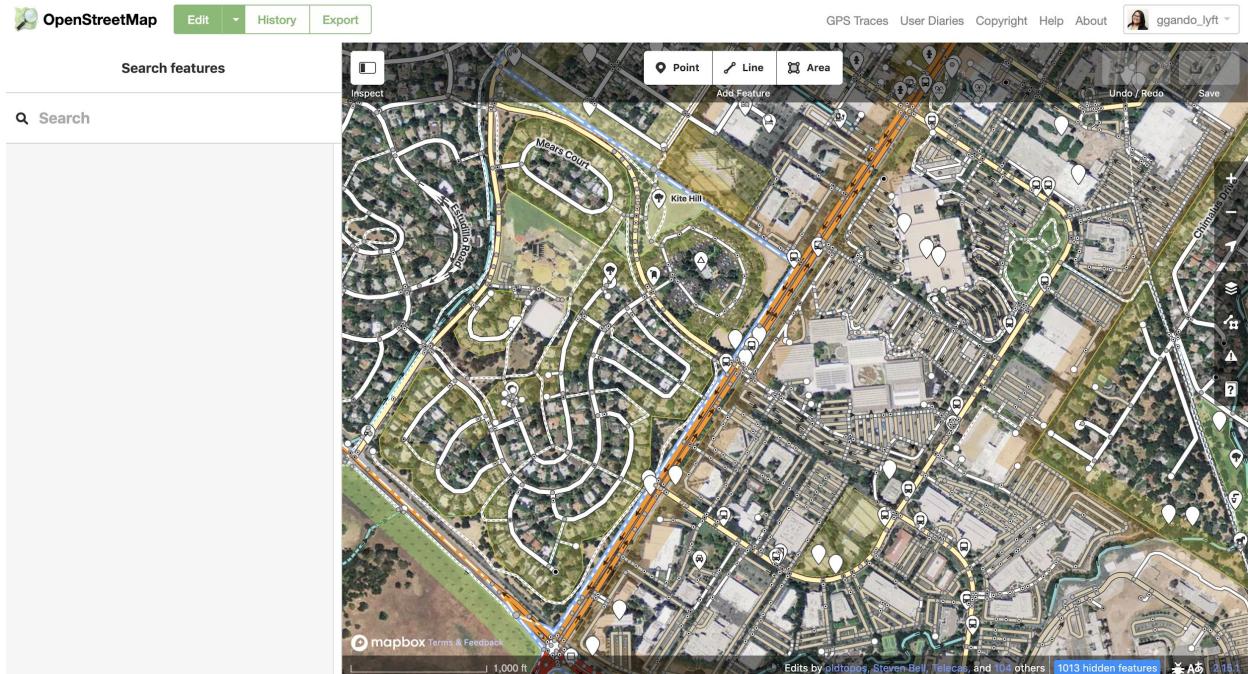


iDEditor

Editor

Functionality

- General Map
- More detail

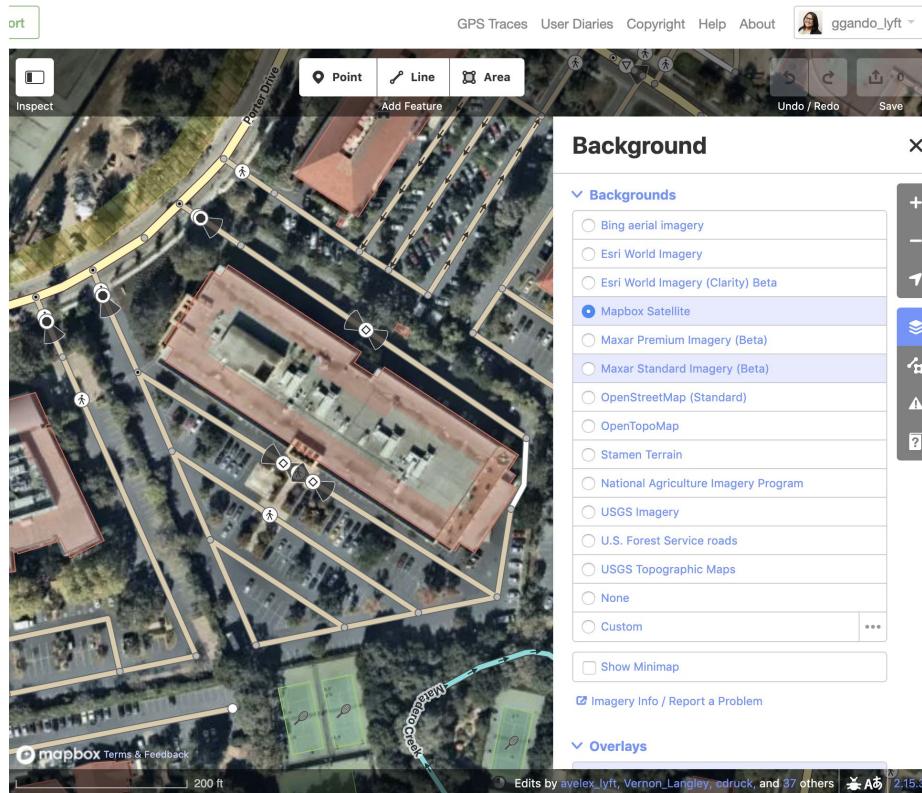


Side Panel

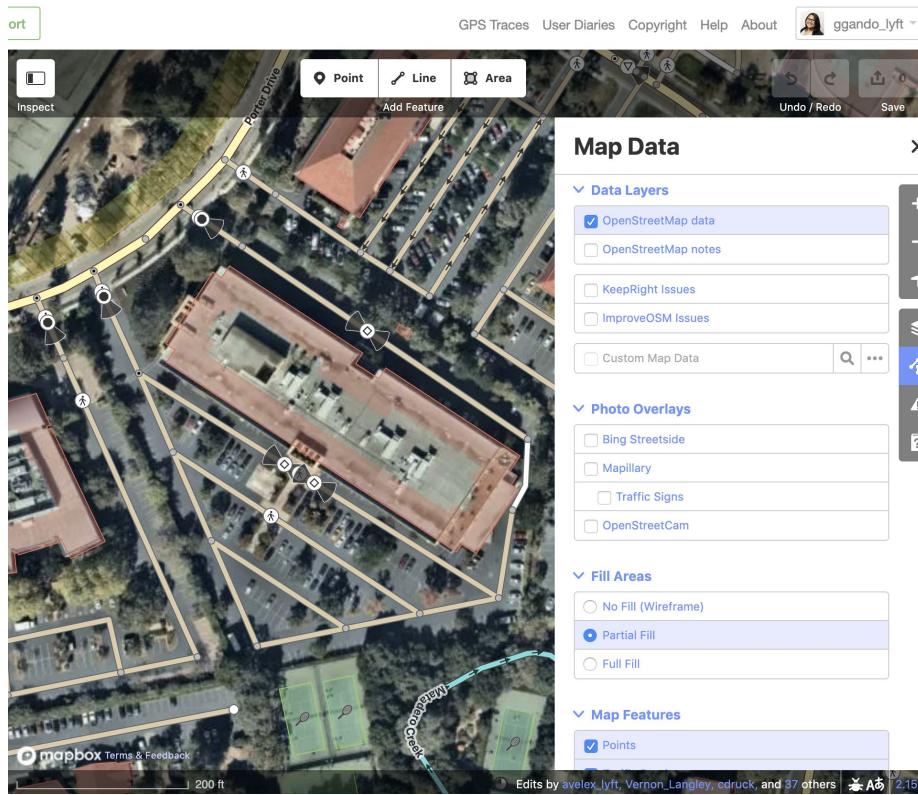


- Zoom In**
- Zoom Out**
- Background settings**
- Map data**
- Issues**
- Help**

Side Panel - Background Settings



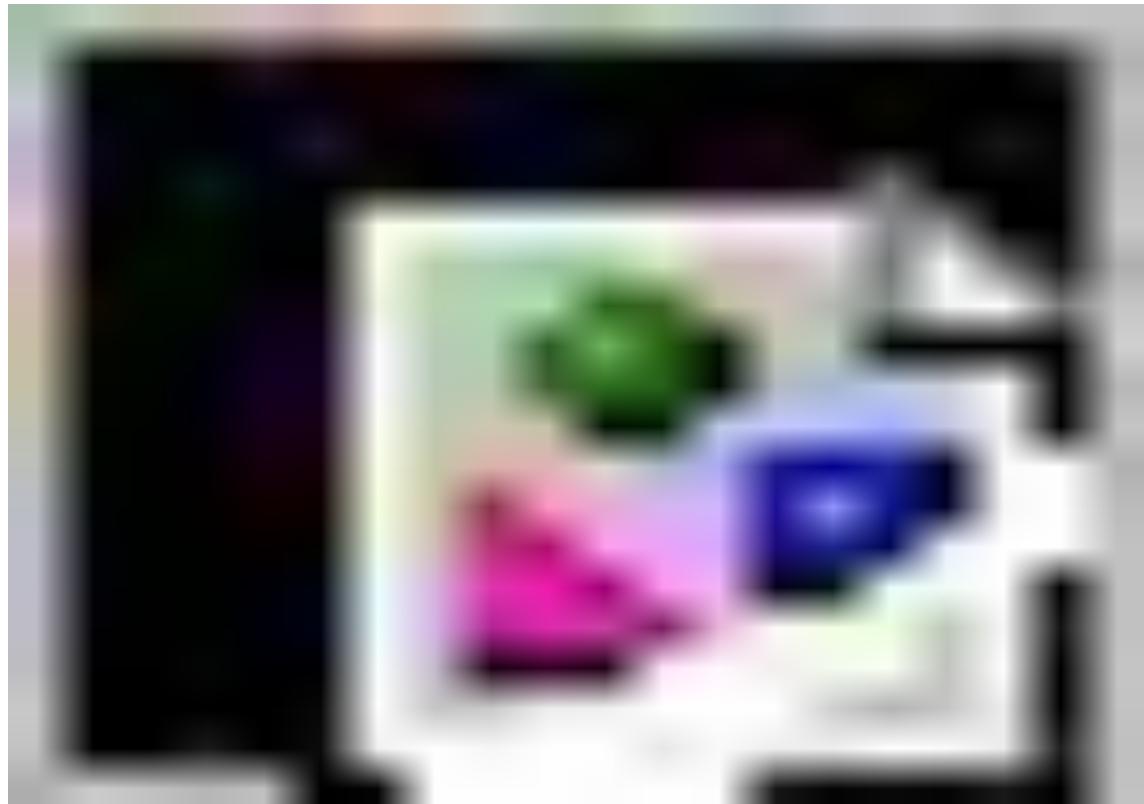
Side Panel - Display Options



Selection

Tag List

- After clicking in a way or node, side panel will appear
- On the left side panel scroll all the way down
- Click on “All tags” drop down
- Table of keys and values associated with the tags

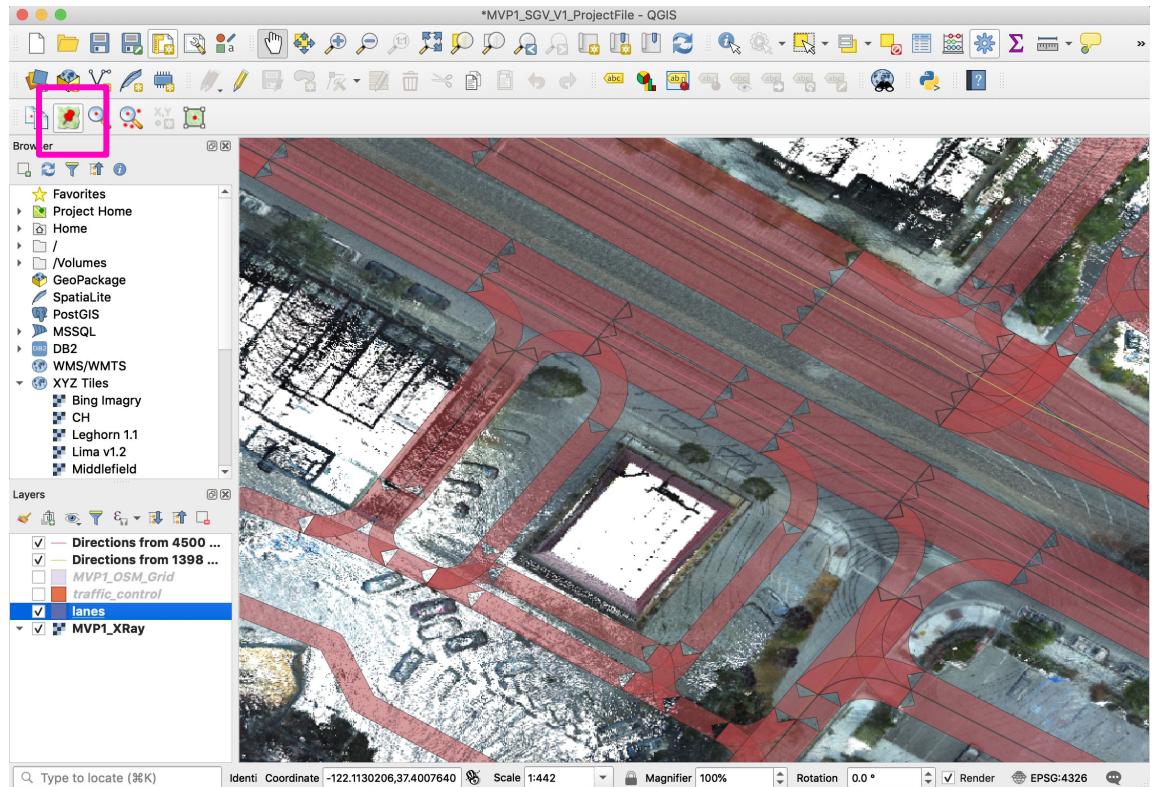


QGIS to OSM

QGIS to OSM

Using the Lat Lon Plugin

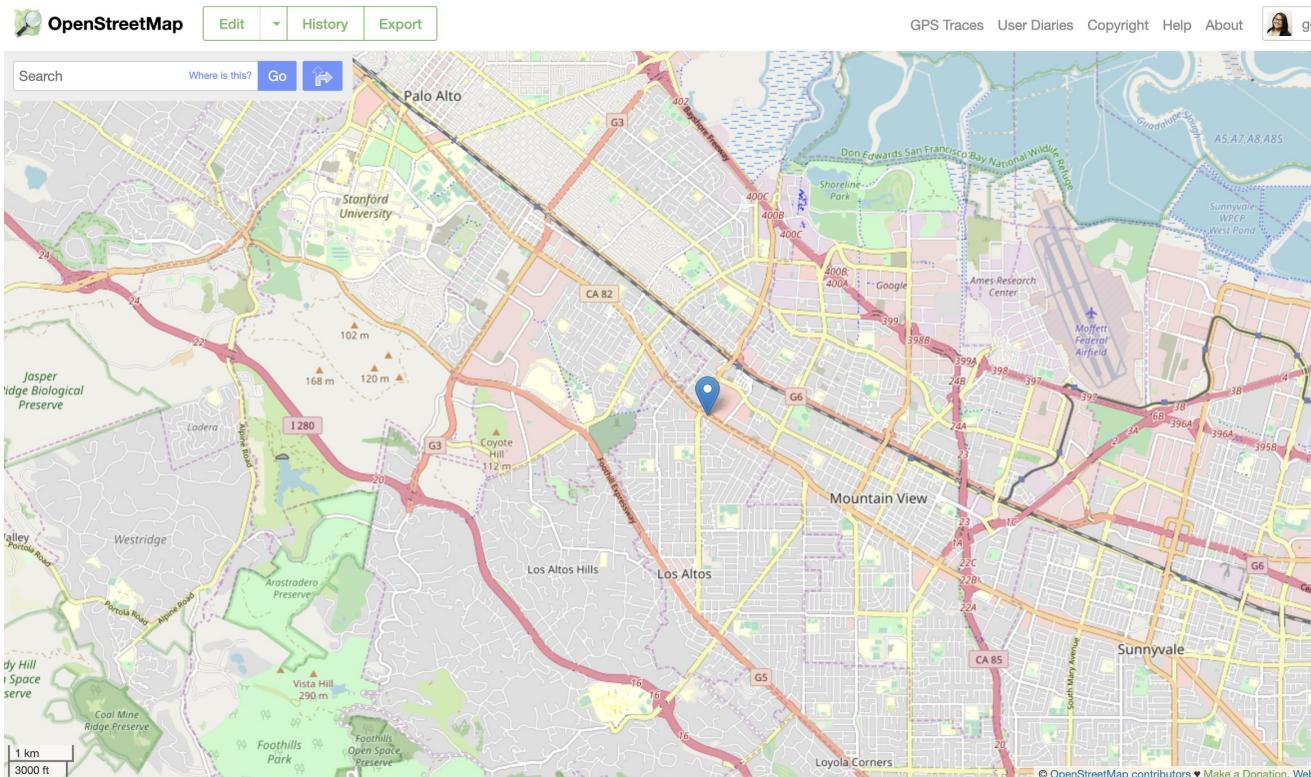
- Click on this tool
- Click where on the map you want to pinpoint in OSM



QGIS to OSM

OSM

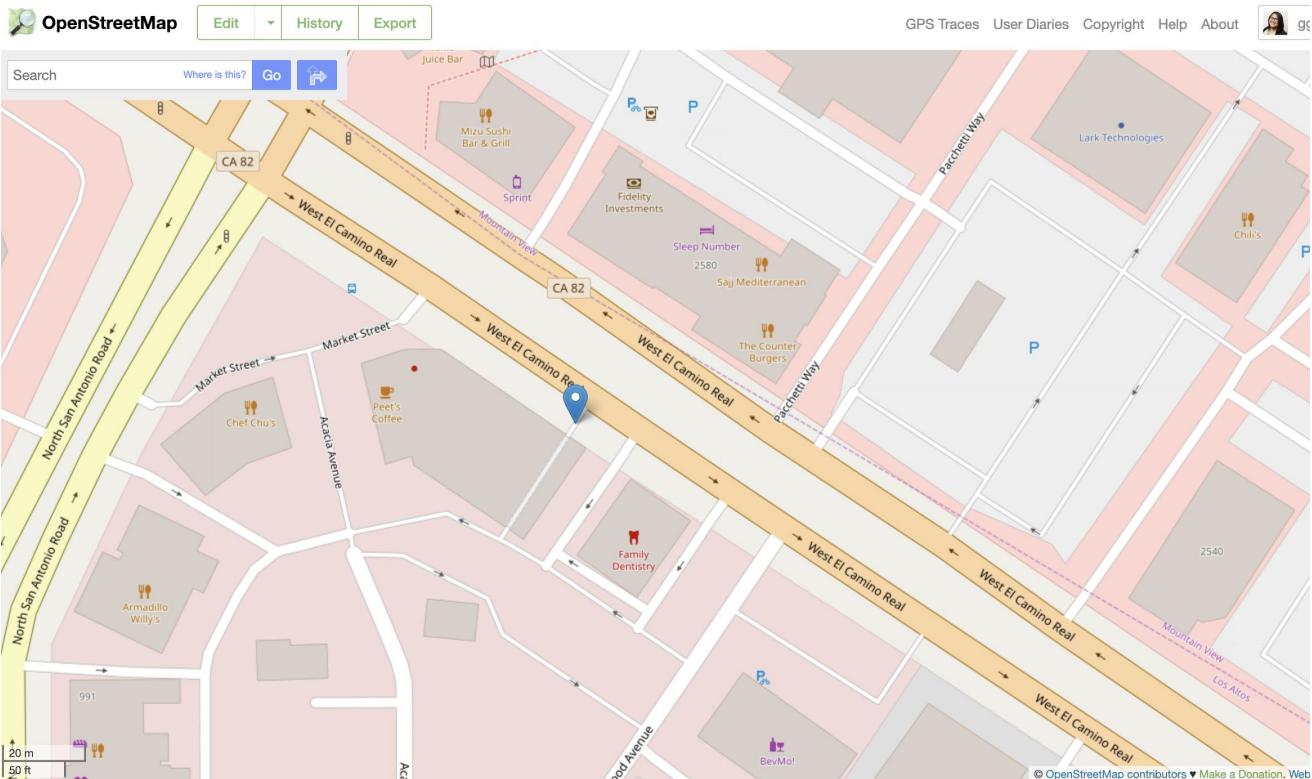
- OSM will open in a web browser with a pin on where you clicked on the QGIS map
- Zoom in as far as you can



QGIS to OSM

OSM

- Click on Edit
- Once you click edit the pin will disappear
- Use roads around you for context on which spot you want to pinpoint to

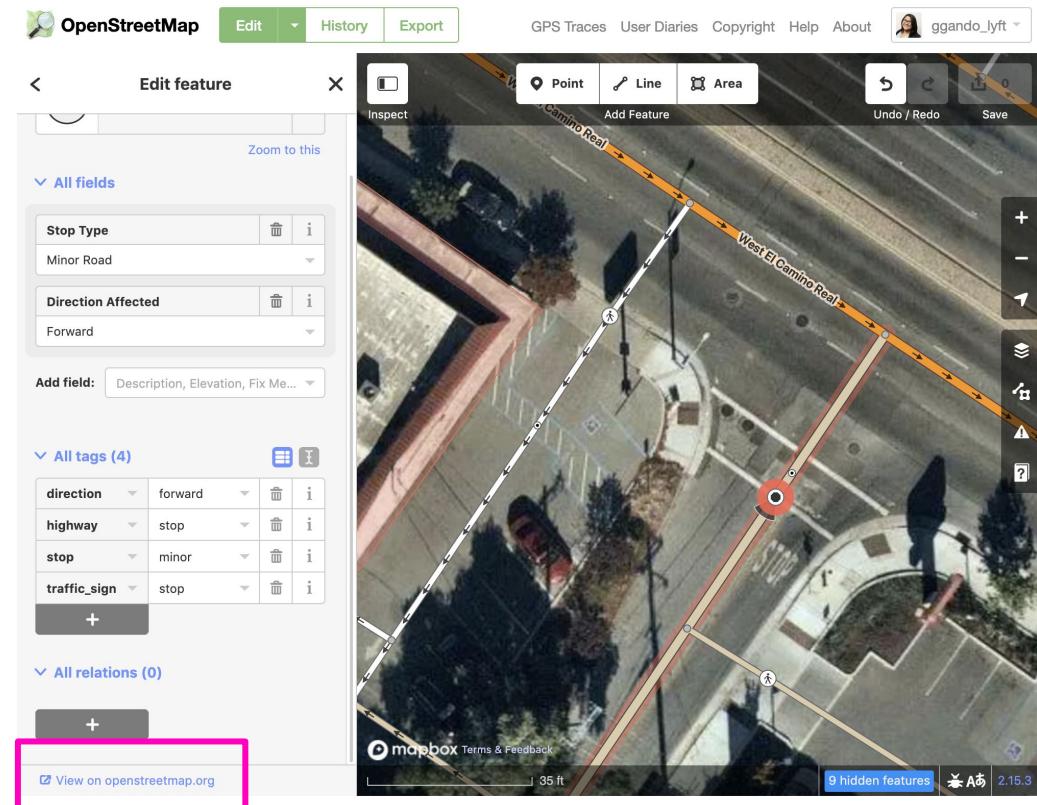


Find a specific id

Find a Specific Way or Node ID

OSM

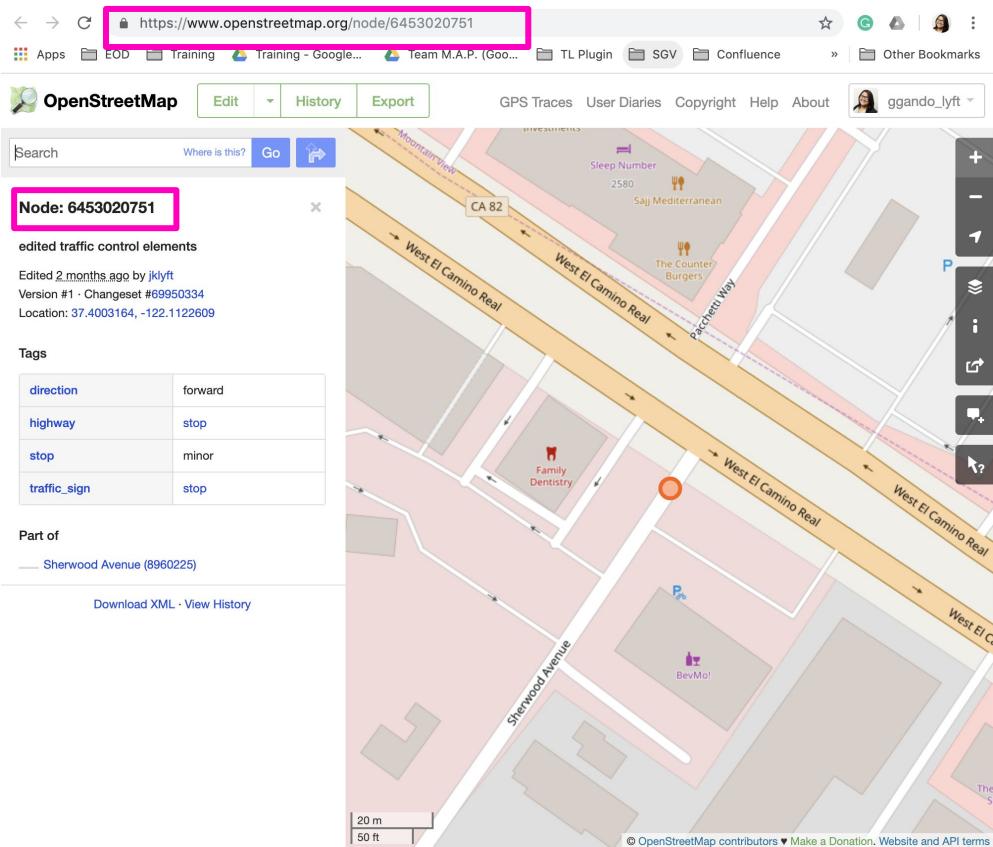
- Have a way or node selected (it will be glowing)
- Click on the url at the bottom of the edit features box



Find a Specific Way or Node ID

Another OSM Tab will Open

- On the left you will see the way/node id
- In the url bar will show way/node id also
- You can click edit and zoom in
- The url will change accordingly

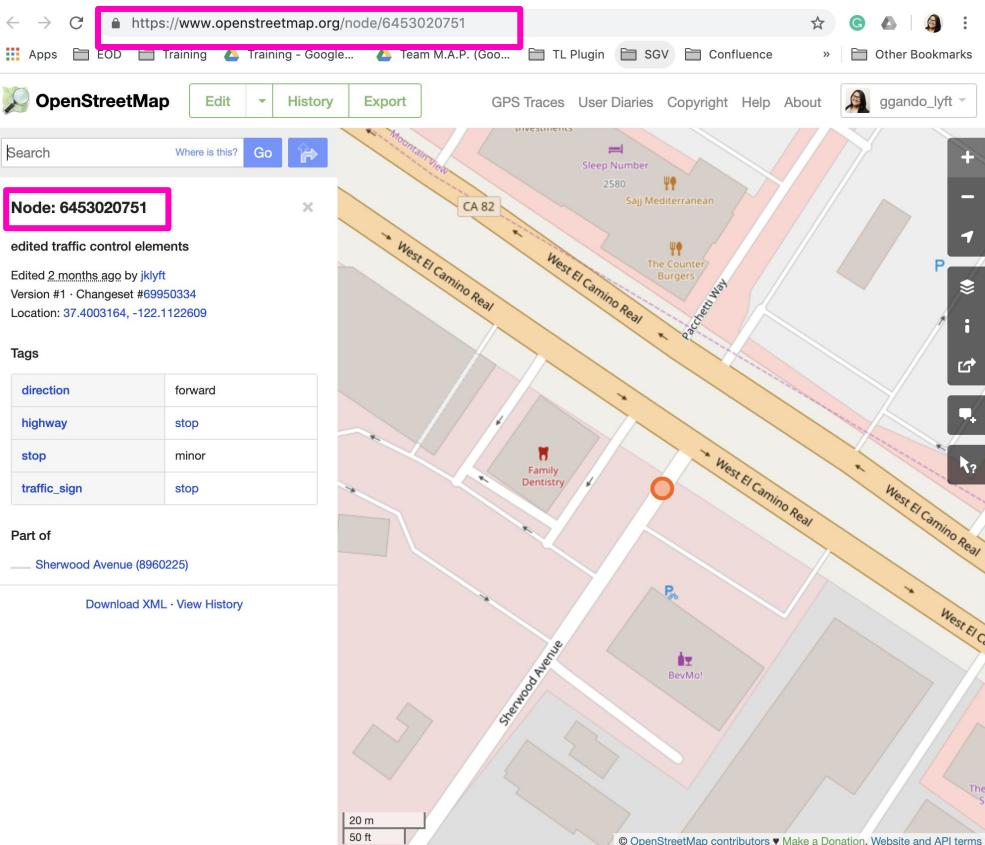


Locating Way or Node using ID

Locating Way or Node

Using a Way or Node ID

- Adding an extension to the url
- **Node**
[https://www.openstreetmap.org/node/id](https://www.openstreetmap.org/node/6453020751)
- **Way**
[https://www.openstreetmap.org/way/id](https://www.openstreetmap.org/way/500185551)
- **Ex.**
<https://www.openstreetmap.org/way/500185551>



The screenshot shows a browser window displaying the OpenStreetMap website. The URL in the address bar is <https://www.openstreetmap.org/node/6453020751>. The page content includes a search bar, navigation buttons, and a sidebar with user information. The main area displays a map of a street named "West El Camino Real". A red circle highlights a specific location on the map. On the left side of the map, there is a detailed information panel for "Node: 6453020751". This panel includes the following information:

- edited traffic control elements
- Edited 2 months ago by jklyft
- Version #1 · Changeset #69950334
- Location: 37.4003164, -122.1122609

The panel also lists "Tags" for the node:

direction	forward
highway	stop
stop	minor
traffic_sign	stop

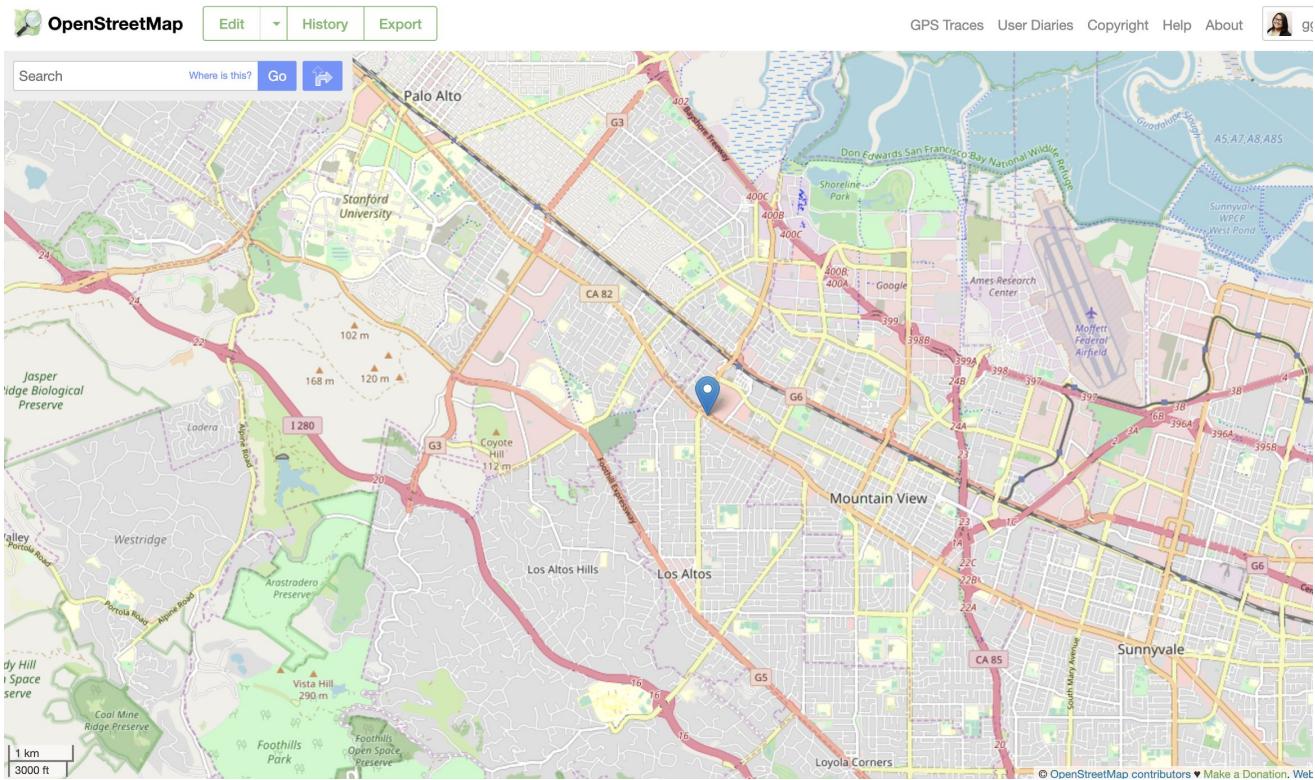
Below the tags, it says "Part of" and lists "Sherwood Avenue (8960225)". There are also links to "Download XML" and "View History". At the bottom of the map, there is a scale bar indicating distances of 20 m and 50 ft.

Basic Editing

Basic Editing

HOT Tasking OSM

- How to edit/create buildings
<https://youtu.be/VPJz-AucqF4>
- How to edit/create roads
<https://youtu.be/ZBLwb2nisJQ>
- Editing OSM data for L5 work is done in JOSM to avoid relationship errors



Questions?



Thank you