



# OpenStreetMap

Steve Coast  
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# Why OSM?

- Data not Free/Open (artificial scarcity)
- Data not current
- Even if it was then a wiki is the next step

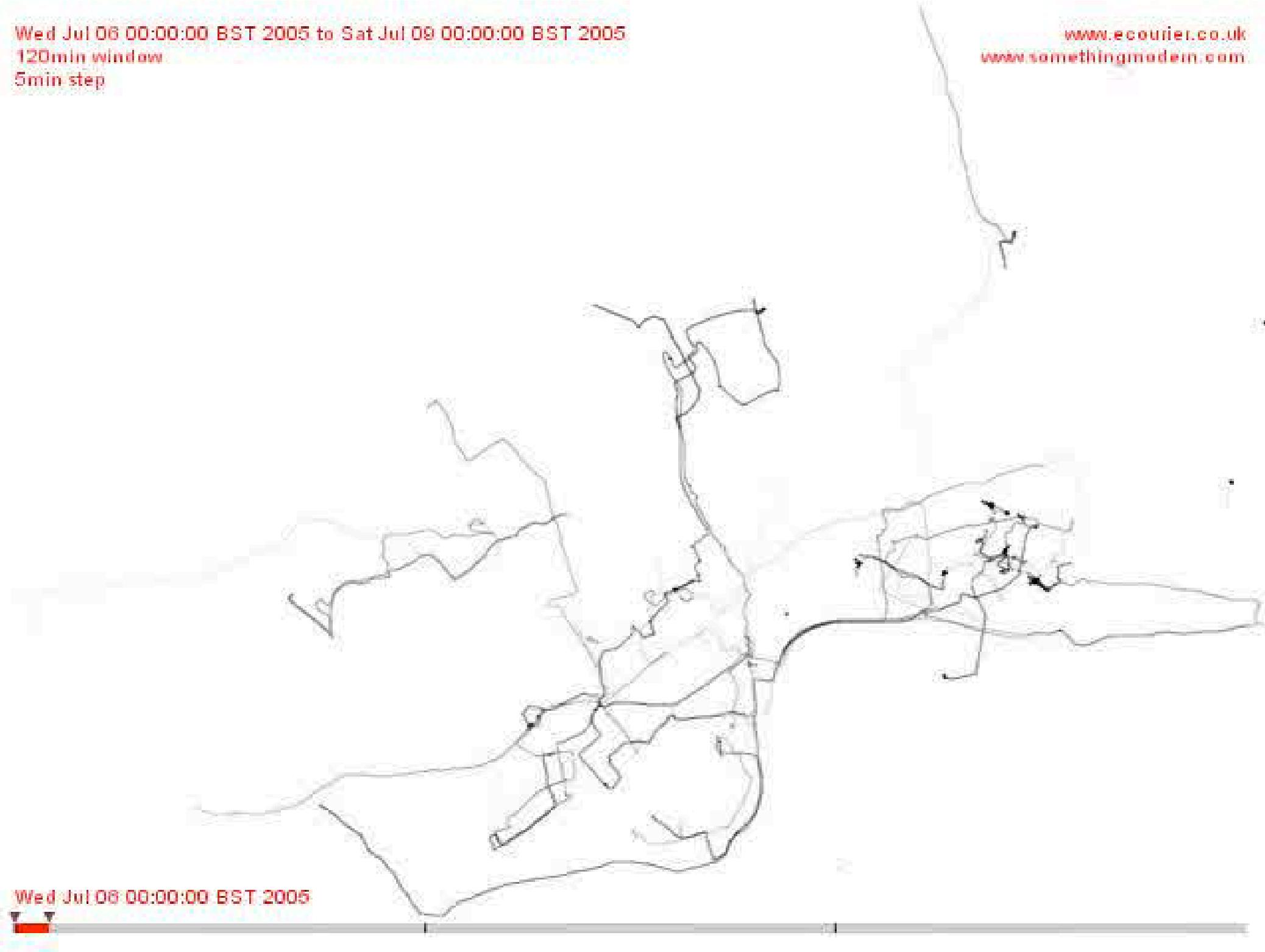
Wed Jul 06 00:00:00 BST 2005 to Sat Jul 09 00:00:00 BST 2005

[www.ecourier.co.uk](http://www.ecourier.co.uk)

120min window

[www.somethingmodern.com](http://www.somethingmodern.com)

5min step





# Using OSM

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OpenStreetMap

View

Edit

GPS traces

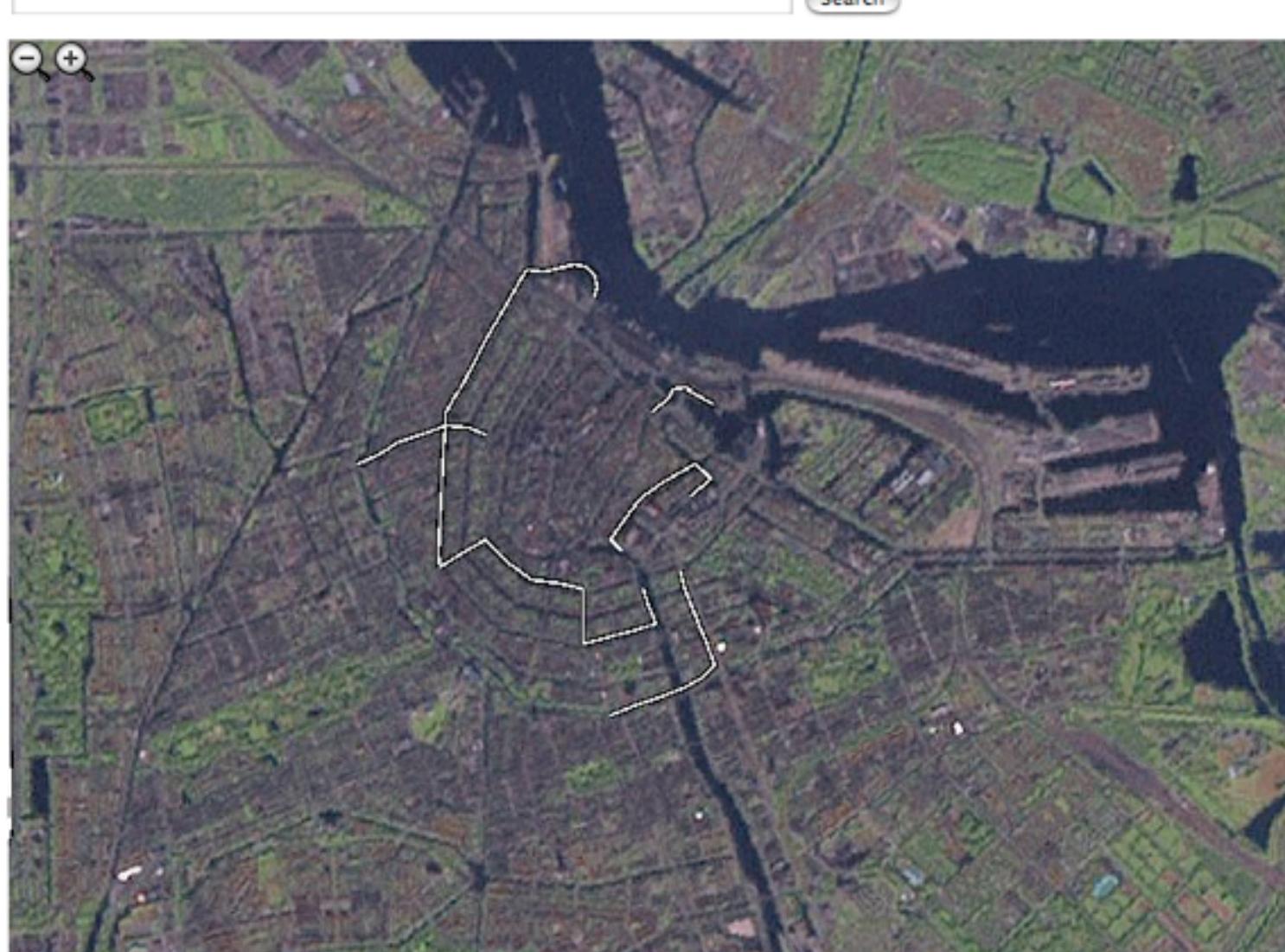
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## tags

[mapchester](#)  
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[isleofwight](#)  
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[london](#)  
[M25](#)  
[M1](#)  
[M40](#)  
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[A248](#)  
[A25](#)  
[A2003](#)  
[A281](#)  
[test](#)  
[littlehaven](#)

View

Edit

GPS traces

# Your GPS Traces

[see traces from all users](#)upload GPX file: [Choose File](#) no file selected

description:

tags:

public? [Upload](#) | [help](#)Showing page 0 (1 - 20 of 33) | [next page](#)[Public?](#) [Delete?](#)[mc-steve-12.gpx](#) ... (2,099 points) ... on 14-May [more](#) / [map](#)

ava taking two trams in manchester

by SteveC in: mapchester manchester uk

[mc-steve-11.gpx](#) ... (2,783 points) ... on 14-May [more](#) / [map](#)

conor &amp; anne walking mapchester sunday

by SteveC in: mapchester manchester uk

[mc-steve-10.gpx](#) ... (2,307 points) ... on 14-May [more](#) / [map](#)

chris &amp; ben sunday mapschester

by SteveC in: mapchester manchester uk

[mc-steve-9.gpx](#) ... (3,435 points) ... on 14-May [more](#) / [map](#)

mapchester chris and lesley sunday afternoon

by SteveC in: mapchester manchester uk

[mc-steve-8.gpx](#) ... (3,196 points) ... on 14-May [more](#) / [map](#)

drew &amp; karen saturday eve sunday mom

by SteveC in: mapchester manchester uk

[mc-steve-7.gpx](#) ... (5,175 points) ... on 14-May [more](#) / [map](#)

chris sunday morning



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## User

display name:

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filename: mc-steve-4.gpx

uploaded: 2006-05-13 16:24:51

description: sat afternoon from someone

tags: mapchester manchester uk



# Your GPS Traces

[see traces from all users](#)

## Editing the trace mc-steve-4.gpx

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# Some Quotes

# Quote I

“It’s absolutely possible for a bunch of smart guys with the technology we have today to capture street networks, and potentially the major roads of the UK and minor roads”

# Quote I

“It’s absolutely possible for a bunch of smart guys with the technology we have today to capture street networks, and potentially the major roads of the UK and minor roads”

Ed Parsons - CTO Ordnance Survey

# Quote 2

“If you don’t make [lower-resolution mapping data] publicly available, there will be people with their cars and GPS devices, driving around with their laptops .. They will be cataloguing every lane, and enjoying it, driving 4×4s behind your farm at the dead of night. There will, if necessary, be a grass-roots remapping.”

# Quote 2

“If you don’t make [lower-resolution mapping data] publicly available, there will be people with their cars and GPS devices, driving around with their laptops .. They will be cataloguing every lane, and enjoying it, driving 4×4s behind your farm at the dead of night. There will, if necessary, be a grass-roots remapping.”

Tim Berners-Lee

# Quote 3

“You could have a community capability where you took the GPS data of people driving around and started to see, oh, there’s a new road that we don’t have, a new route .. And so that data eventually should just come from the community with the right software infrastructure.”

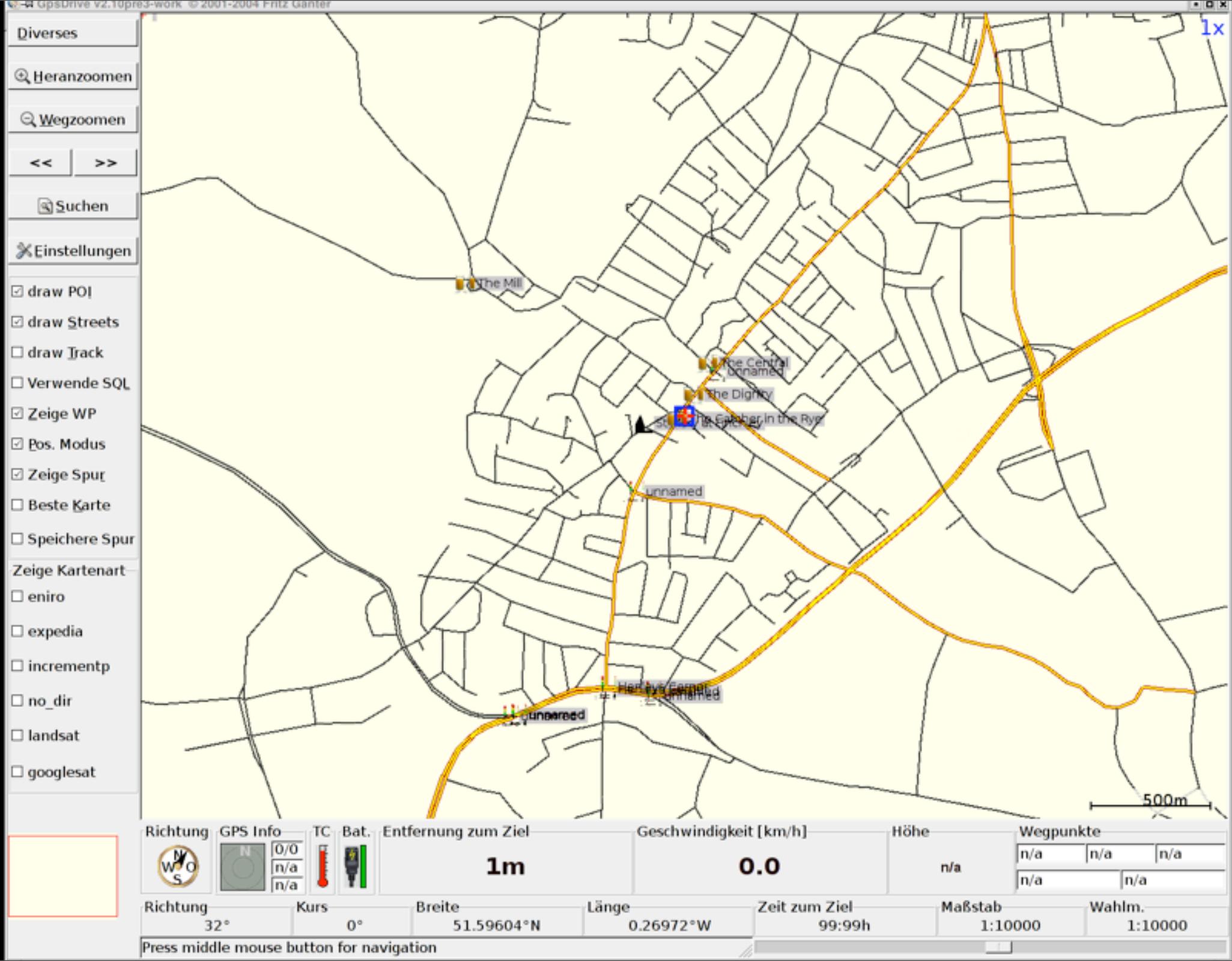
# Quote 3

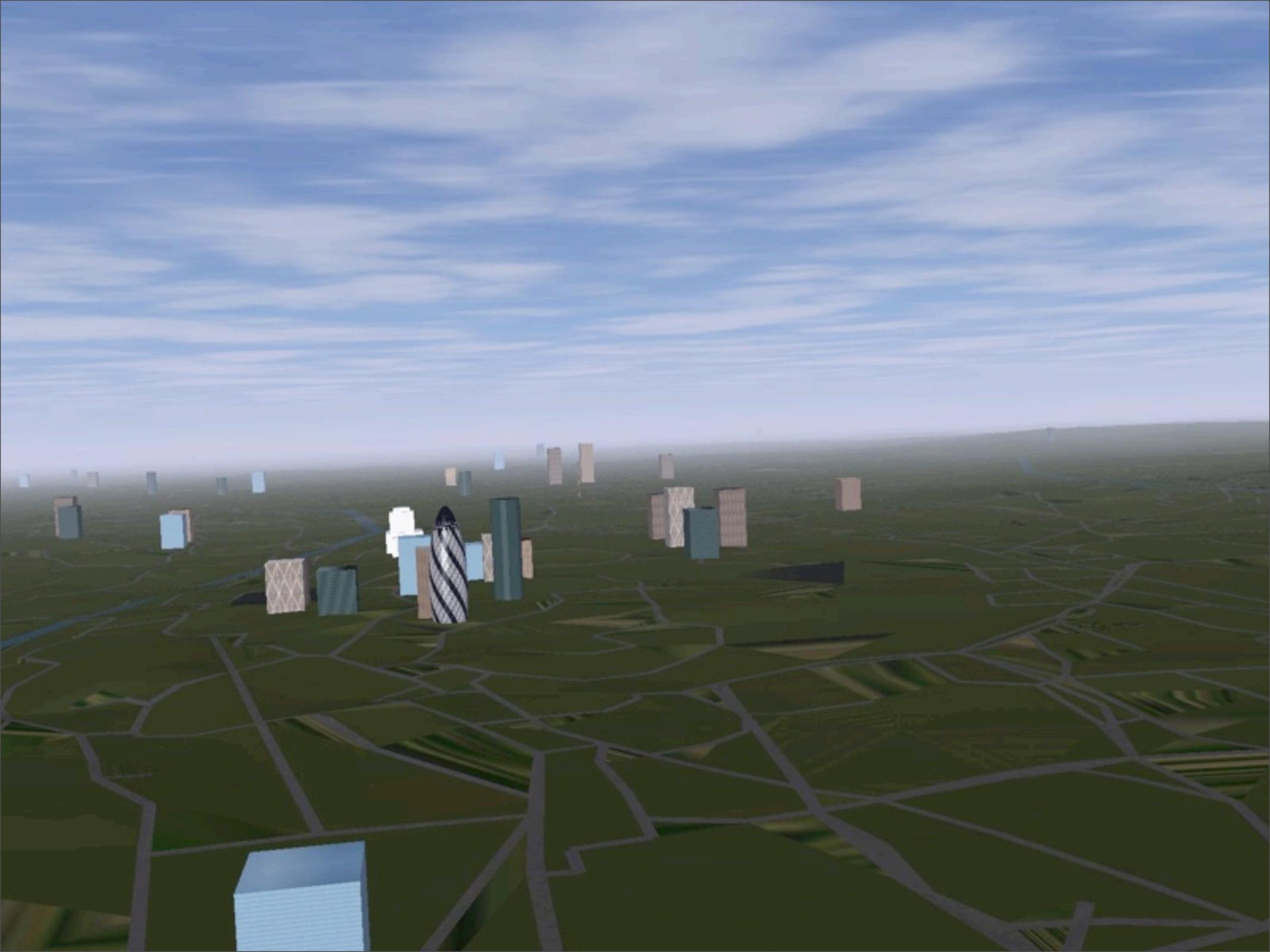
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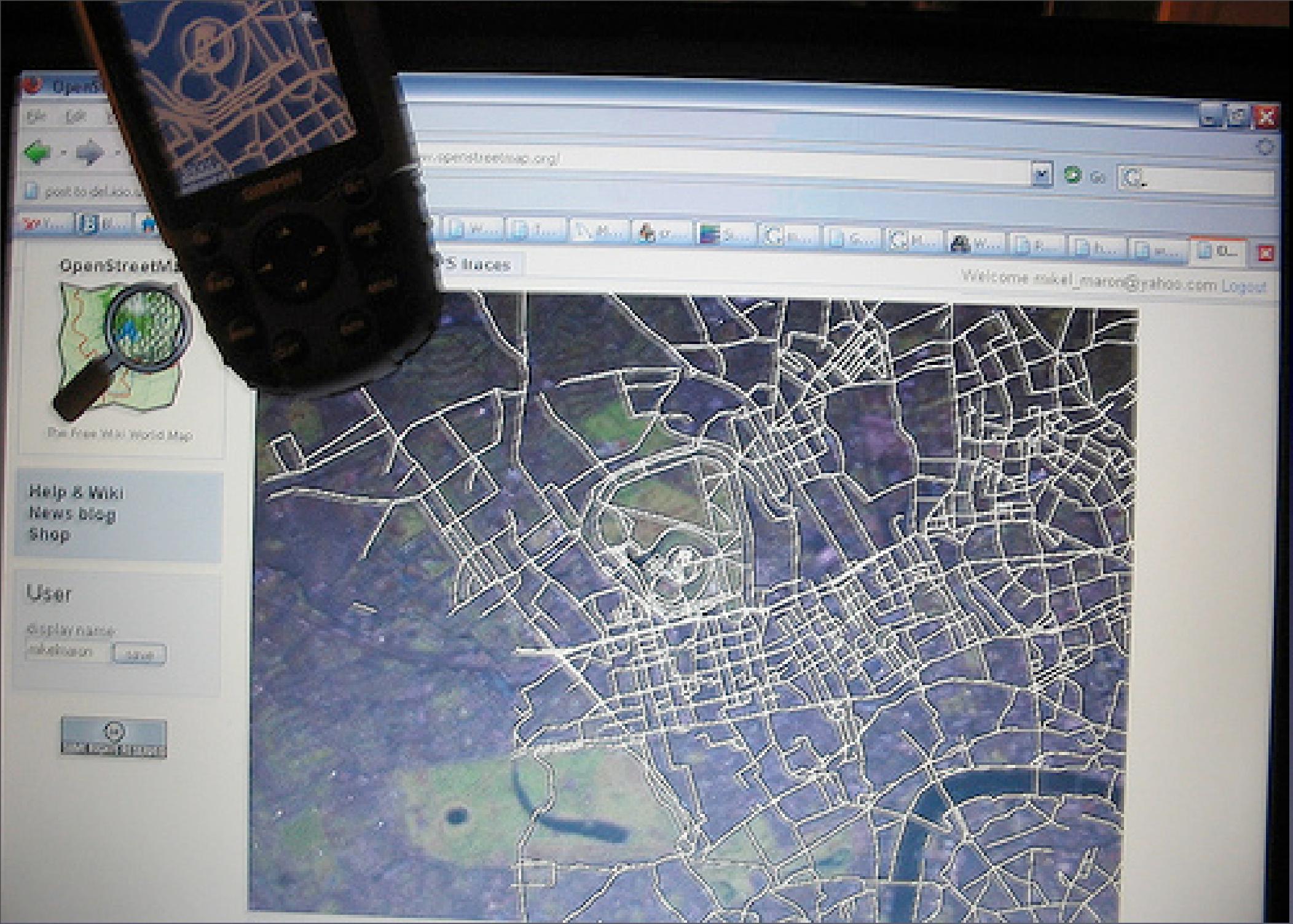
Bill Gates

# Using OSM Data

API, REST, XML, planet.osm







Open

File

Save

Print

Exit

Help

Wiki

News

Blog

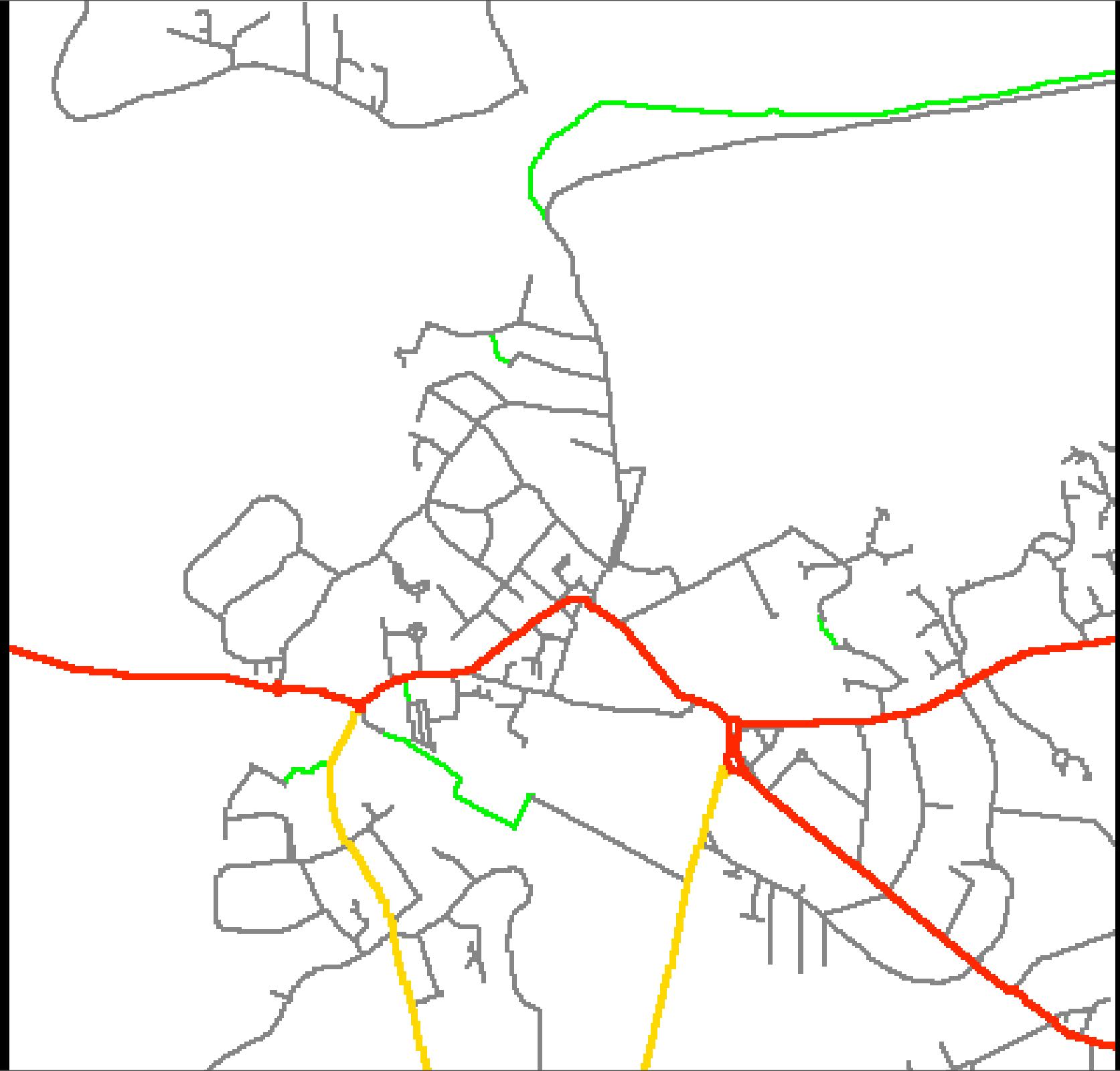
Shop

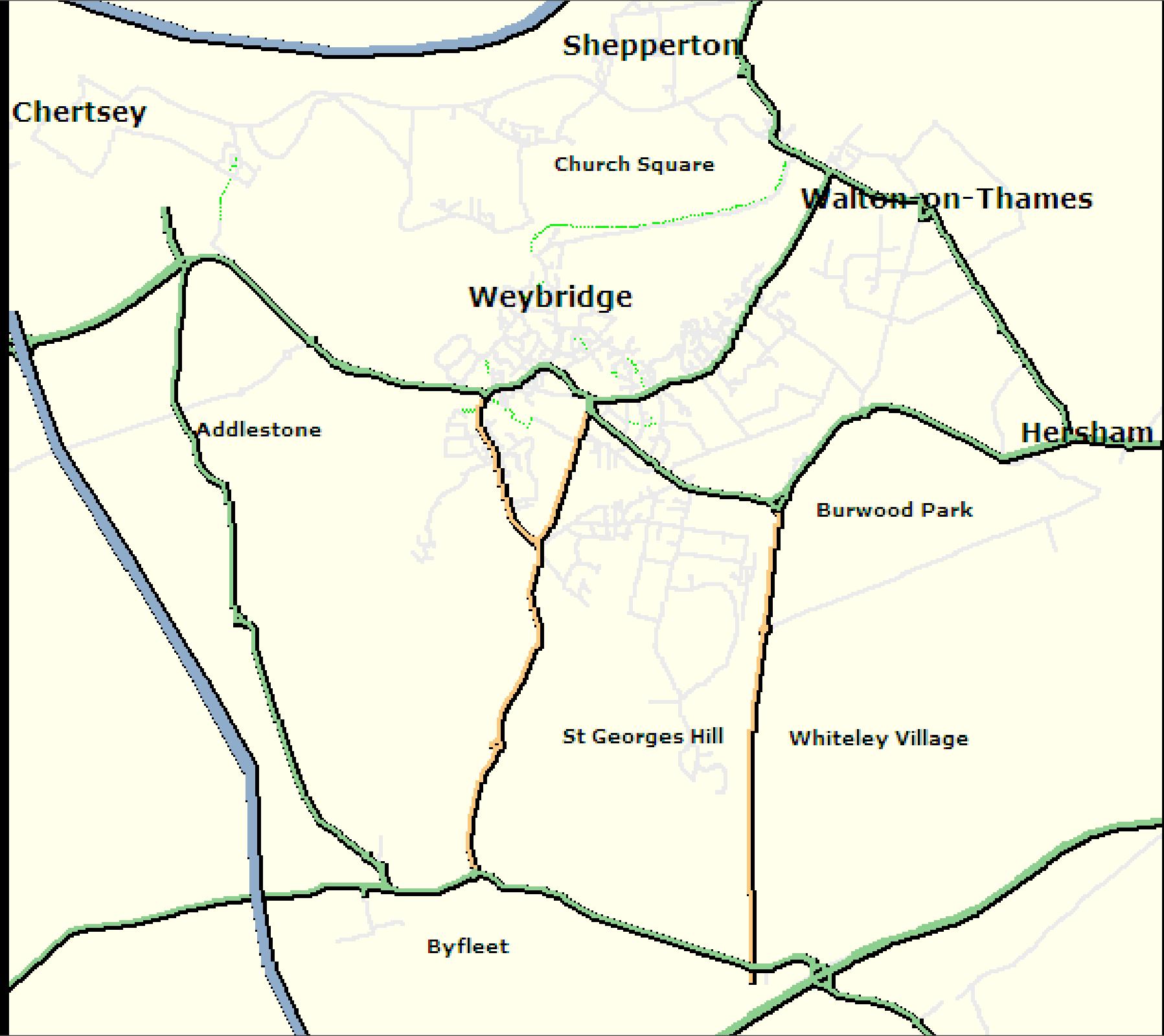
OSM

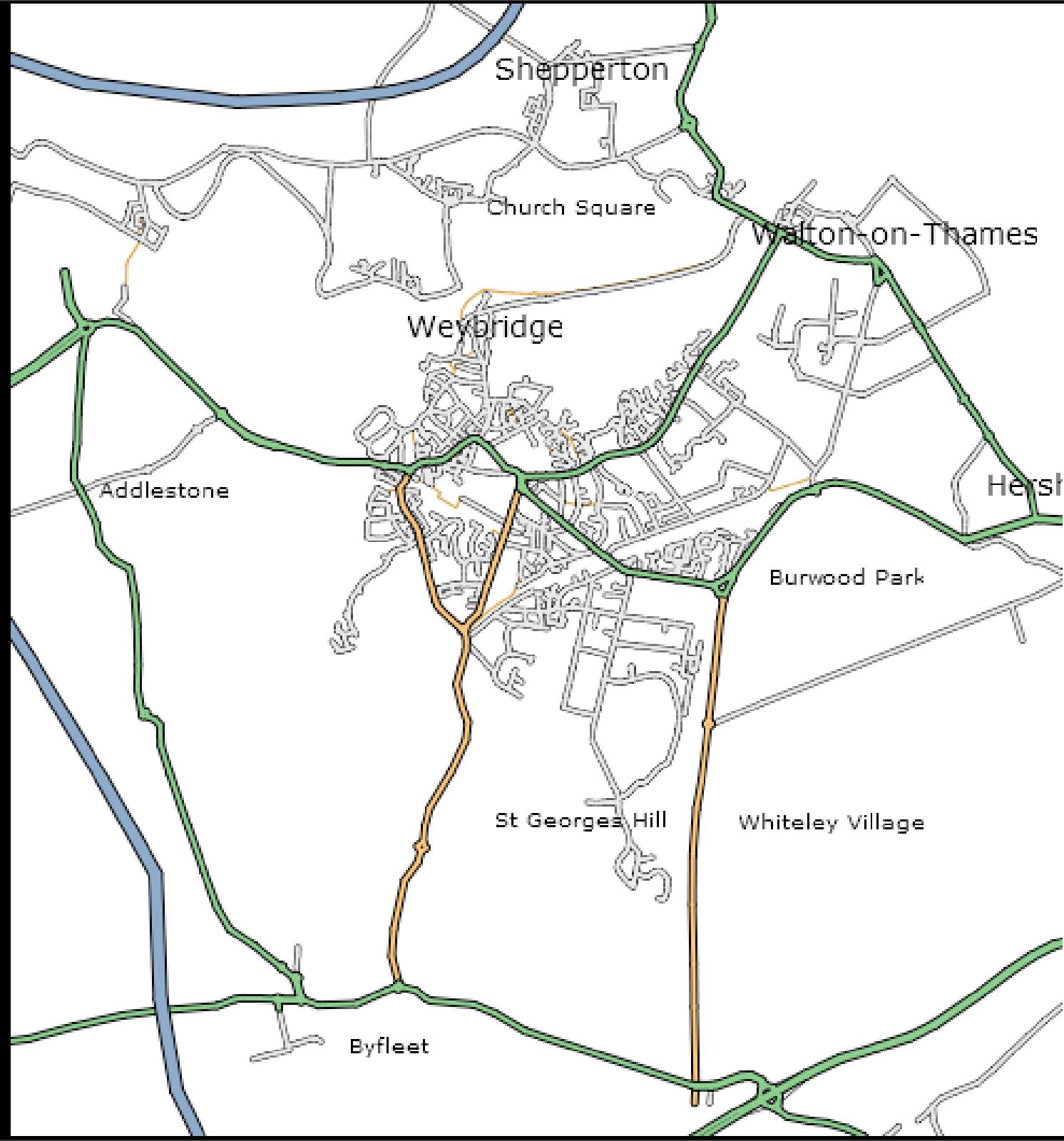
</

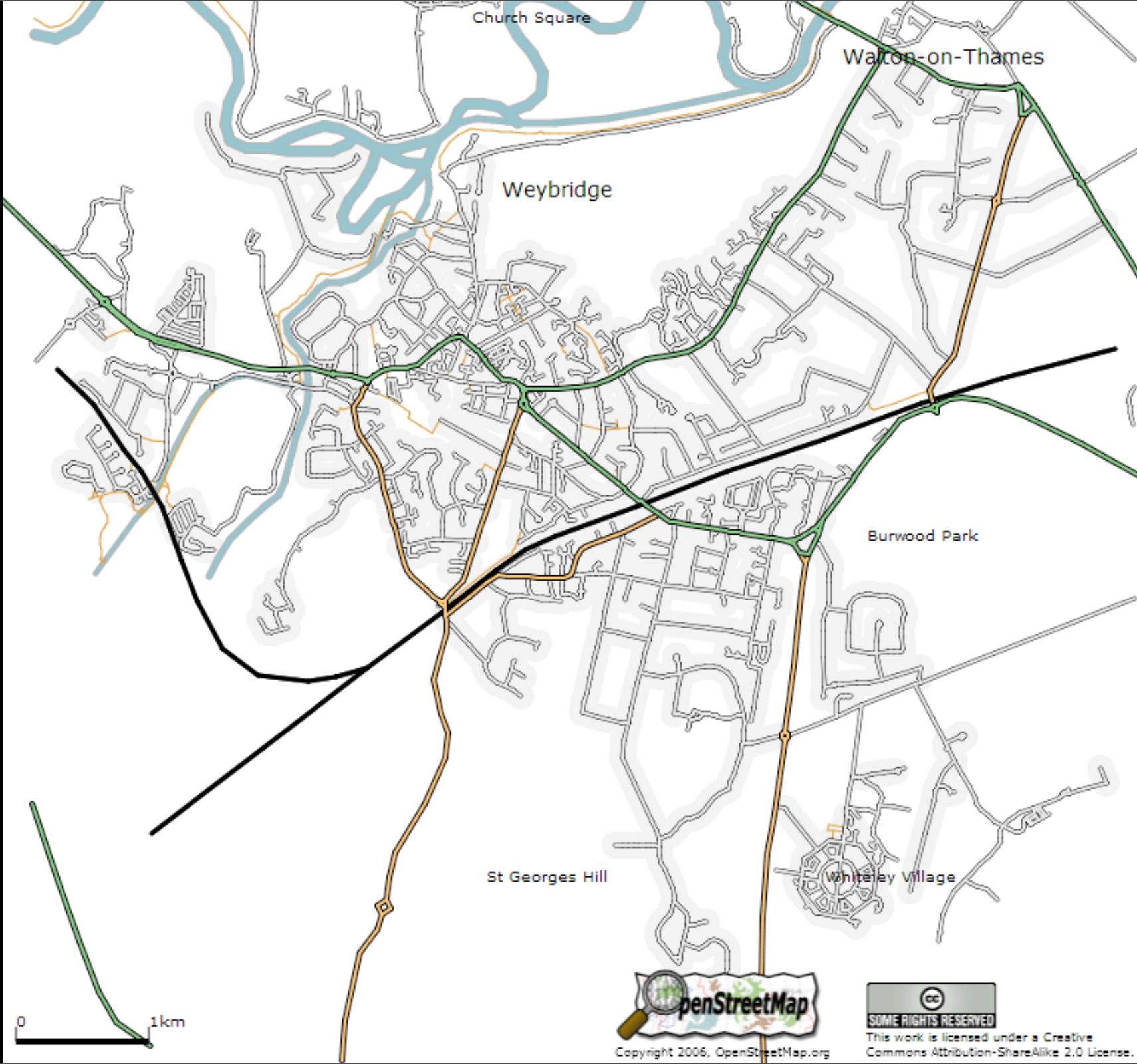
# Pretty Maps



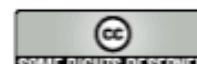








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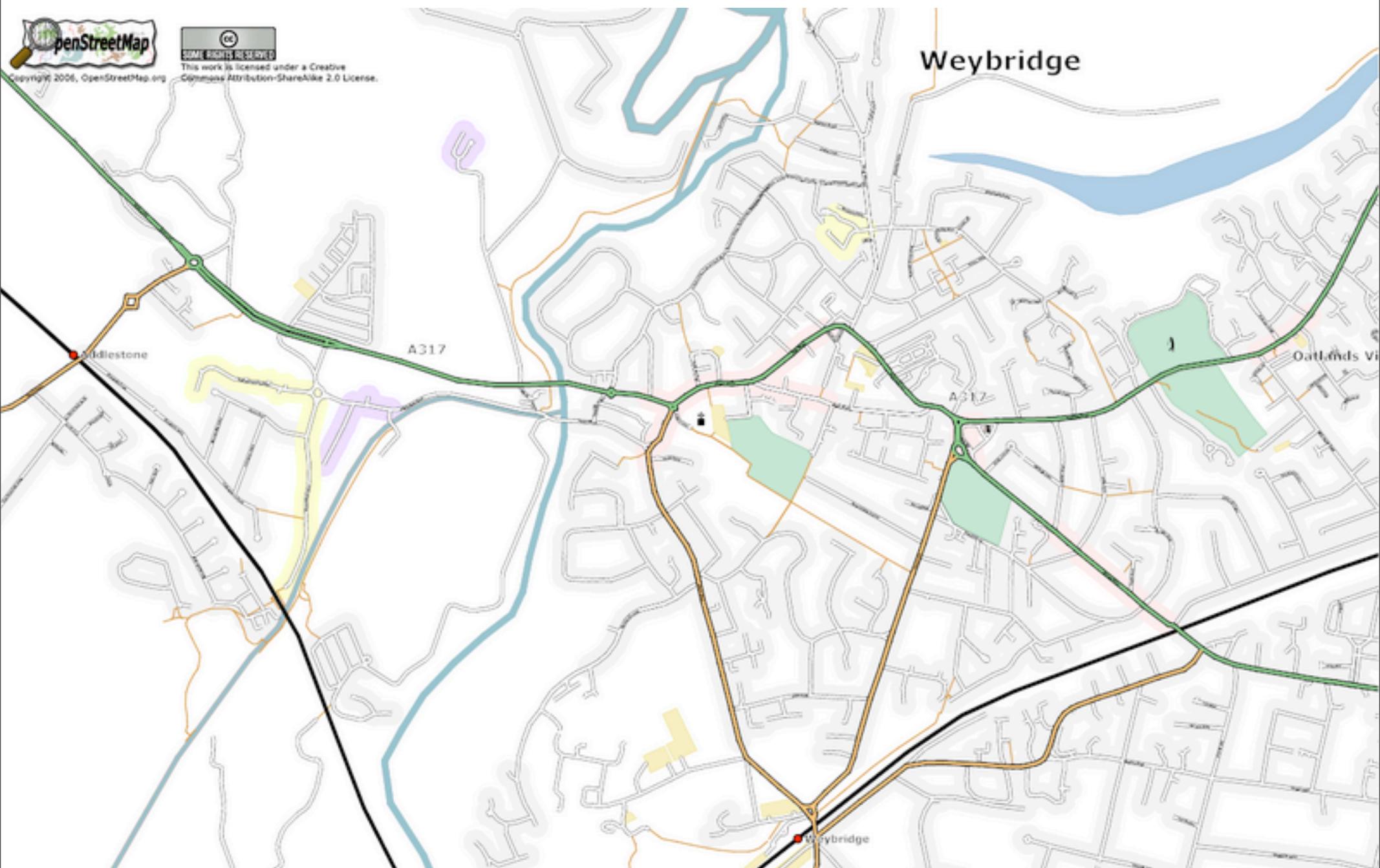


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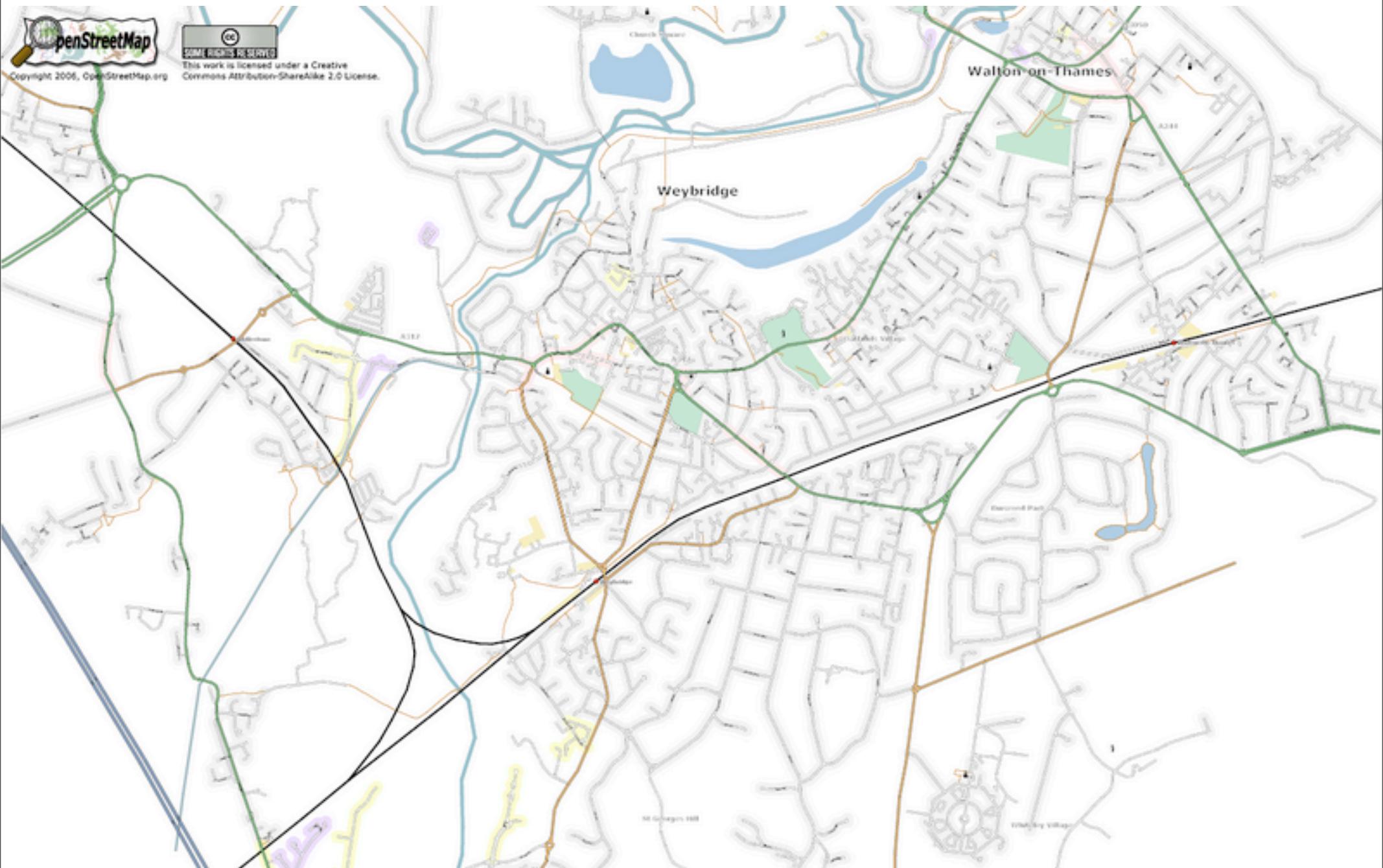
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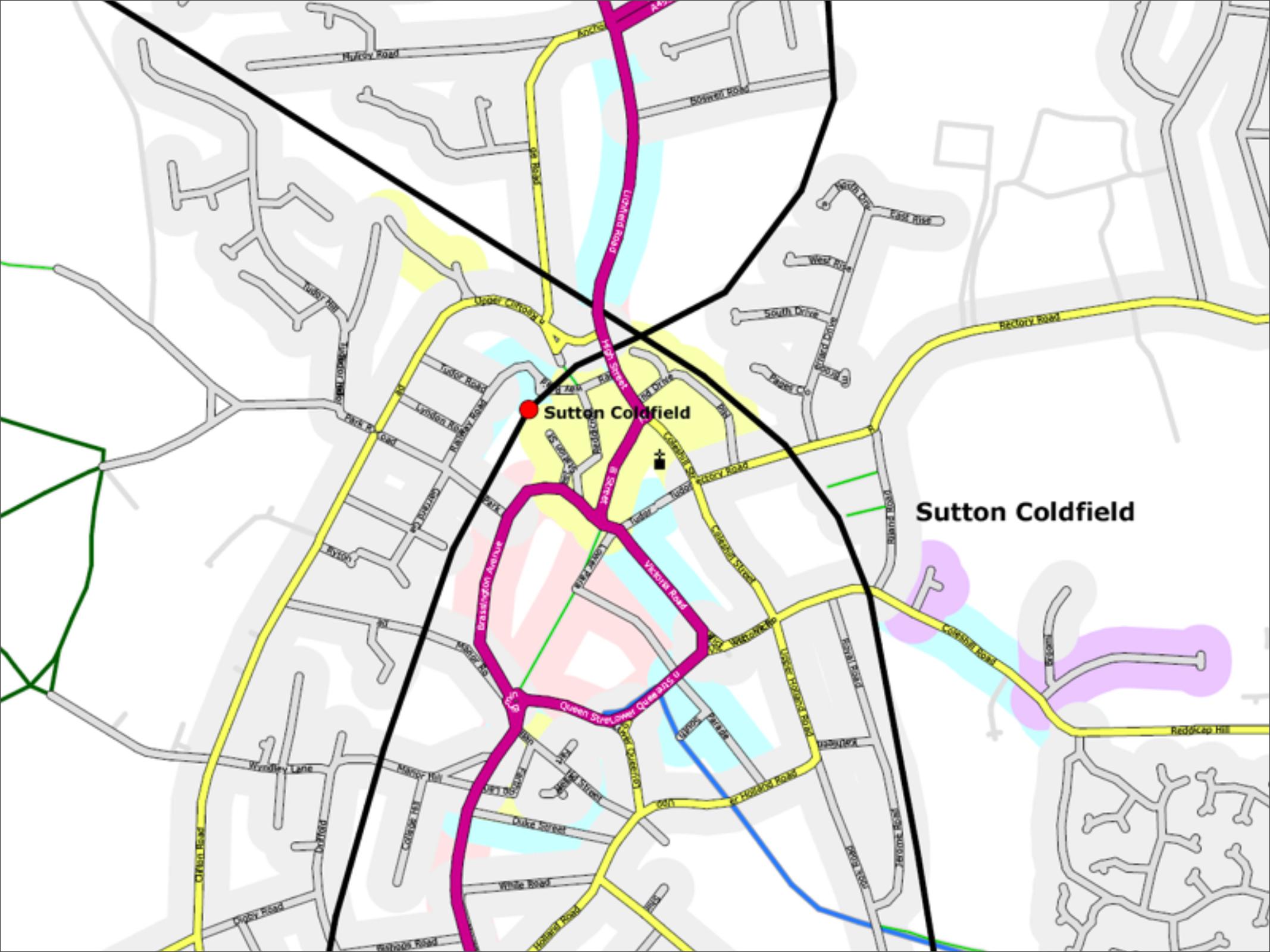




卷之三

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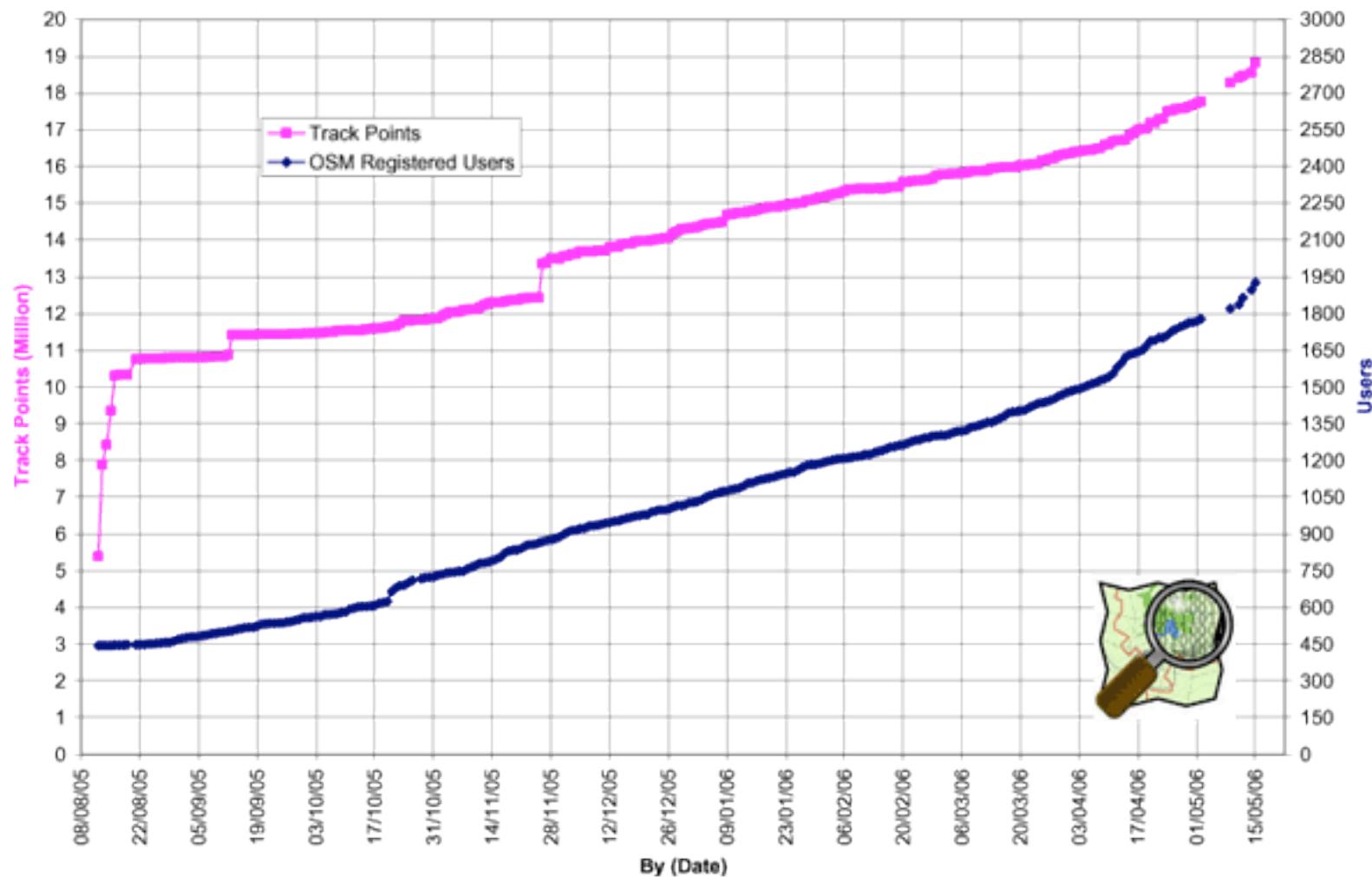




# Progress

## OpenStreetMap Database Statistics

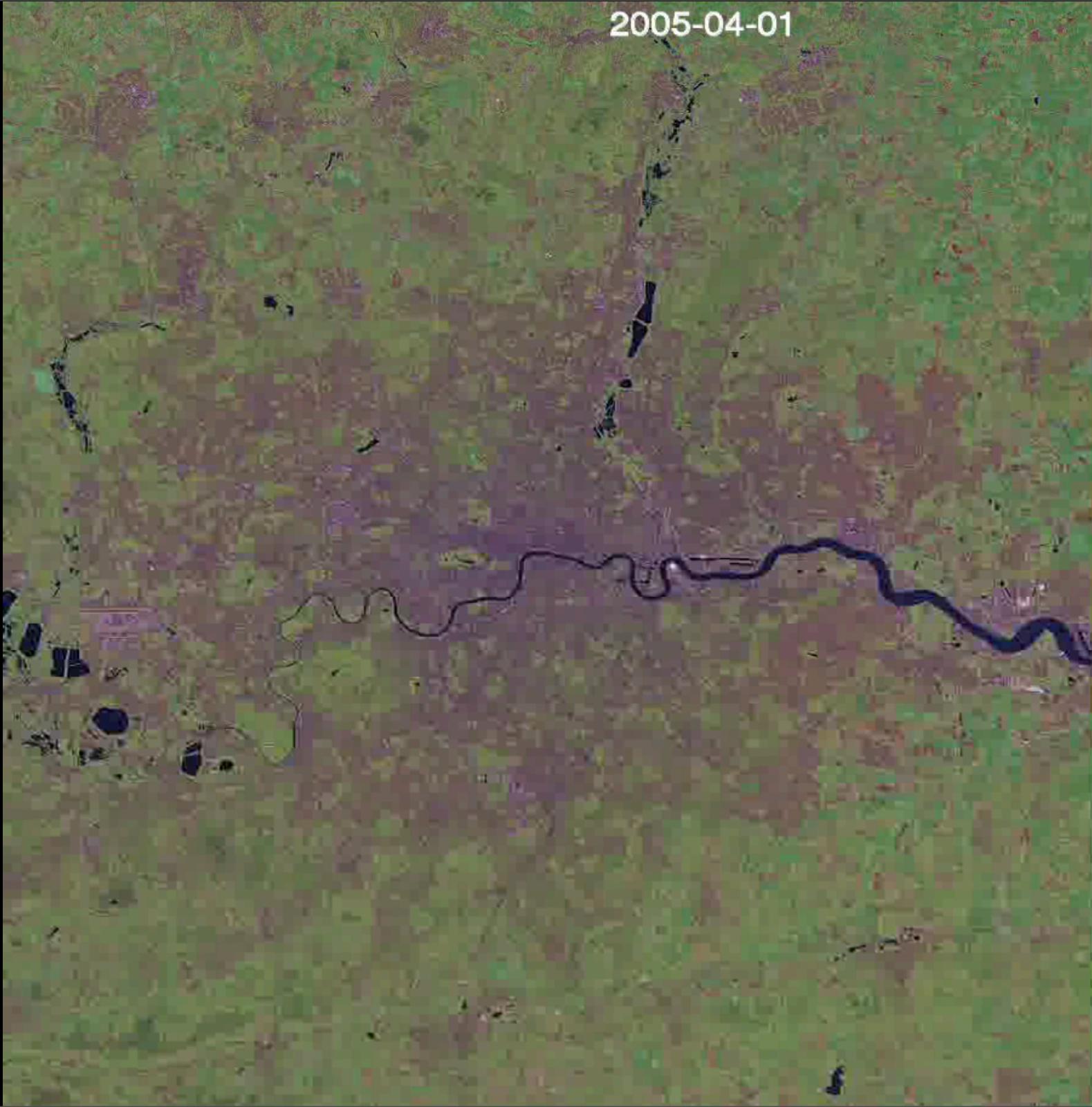
Users and User gpx Uploads (track points)



Bubble wrap, padlocks, boxes, tape...



2005-04-01



2005-04-01



# TIGER/LINE

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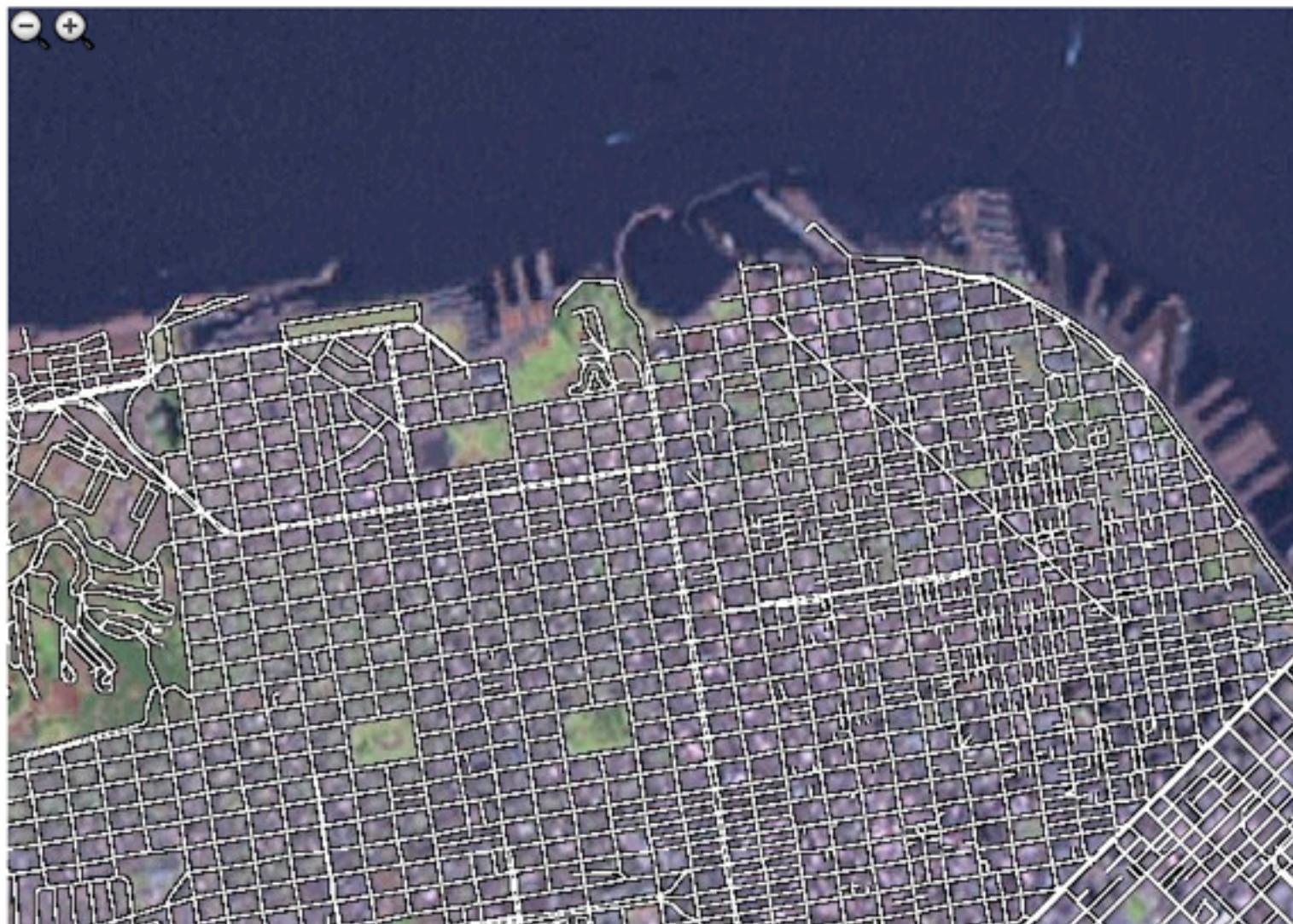
SteveC

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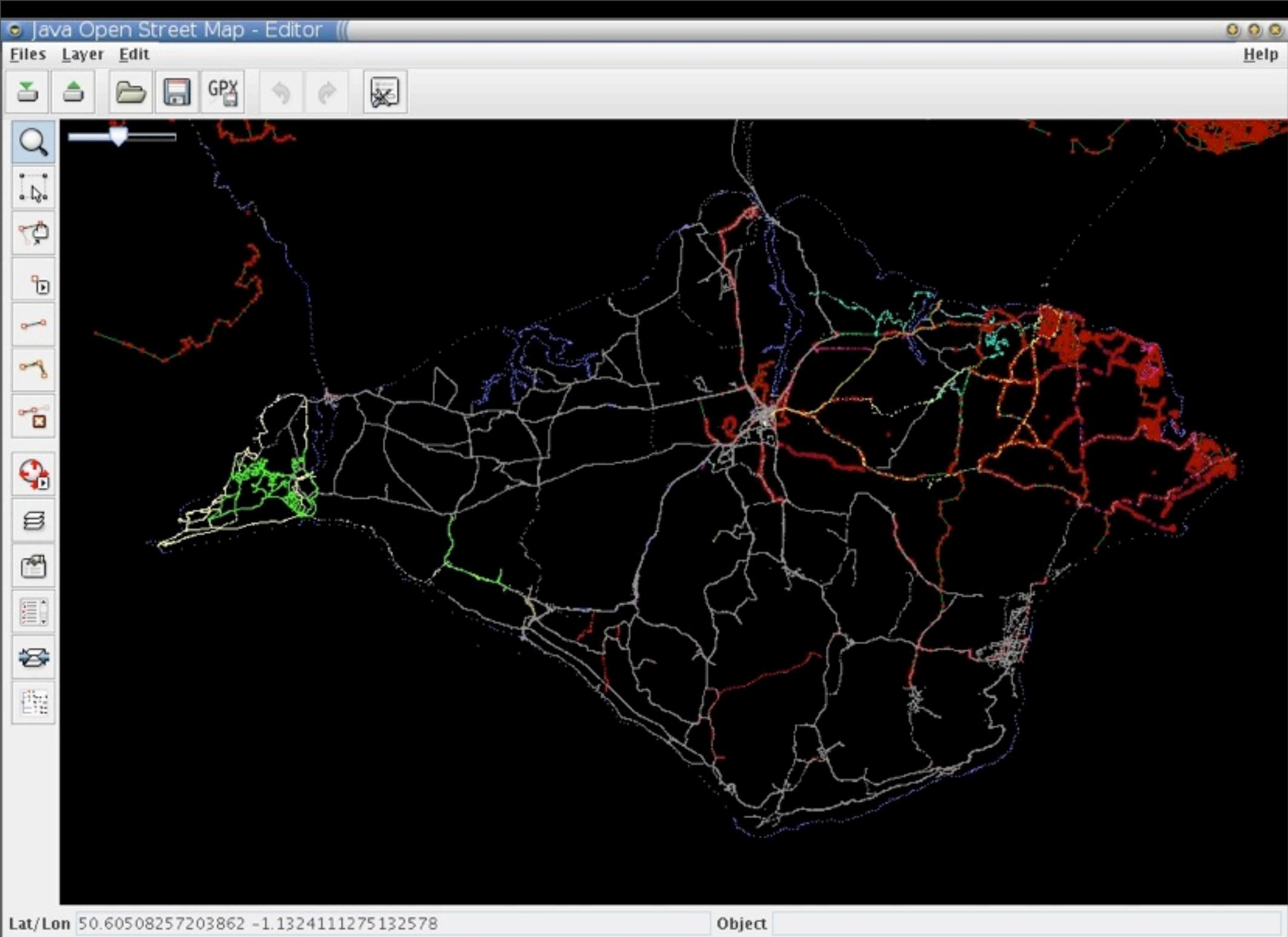
# Workshops

Or, Map as Party



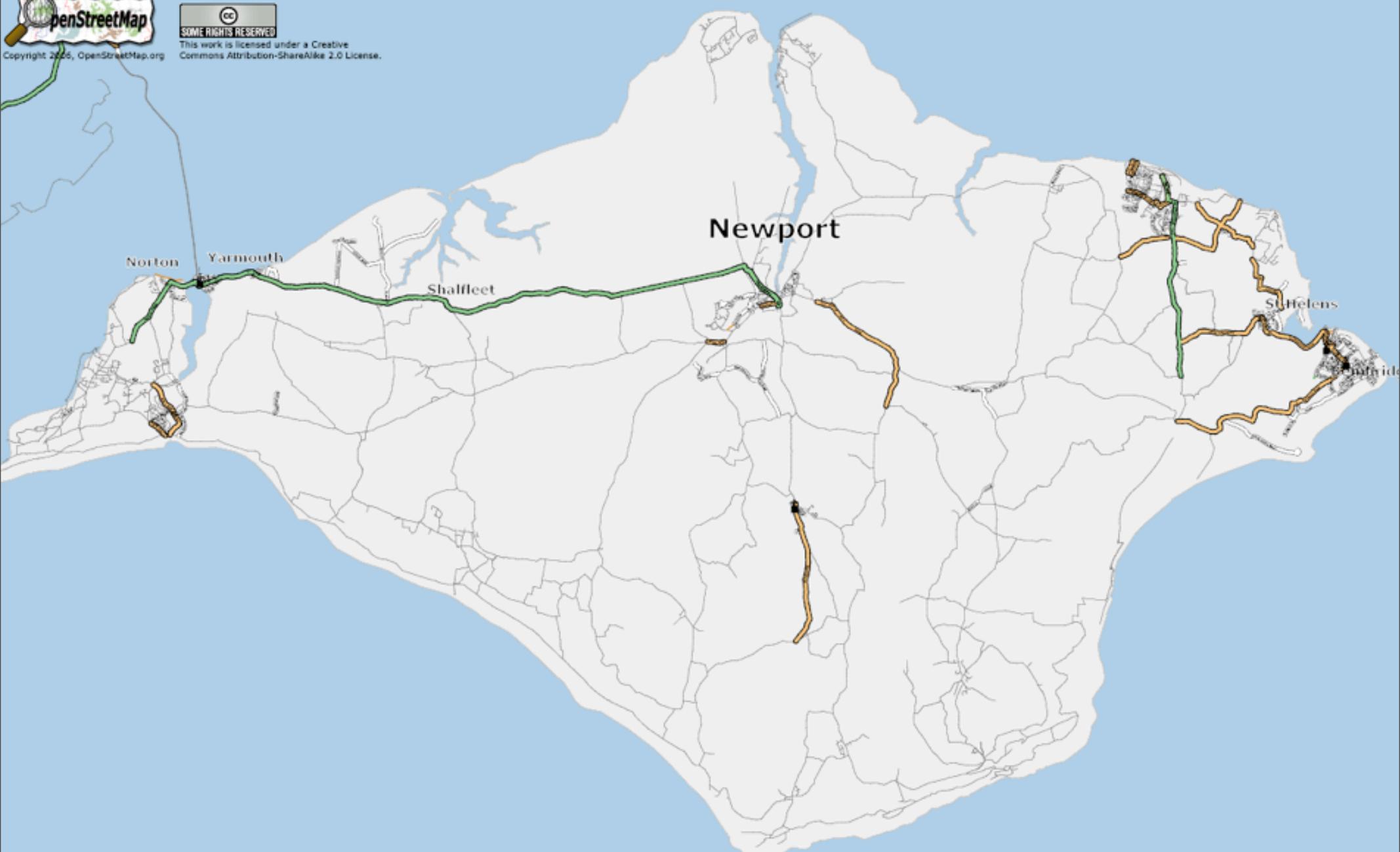








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File Layer Edit Help

GPS 53.39029080120733 -2.3350378944

GPS 53.44925884290957 -2.2822770150

Data Layer

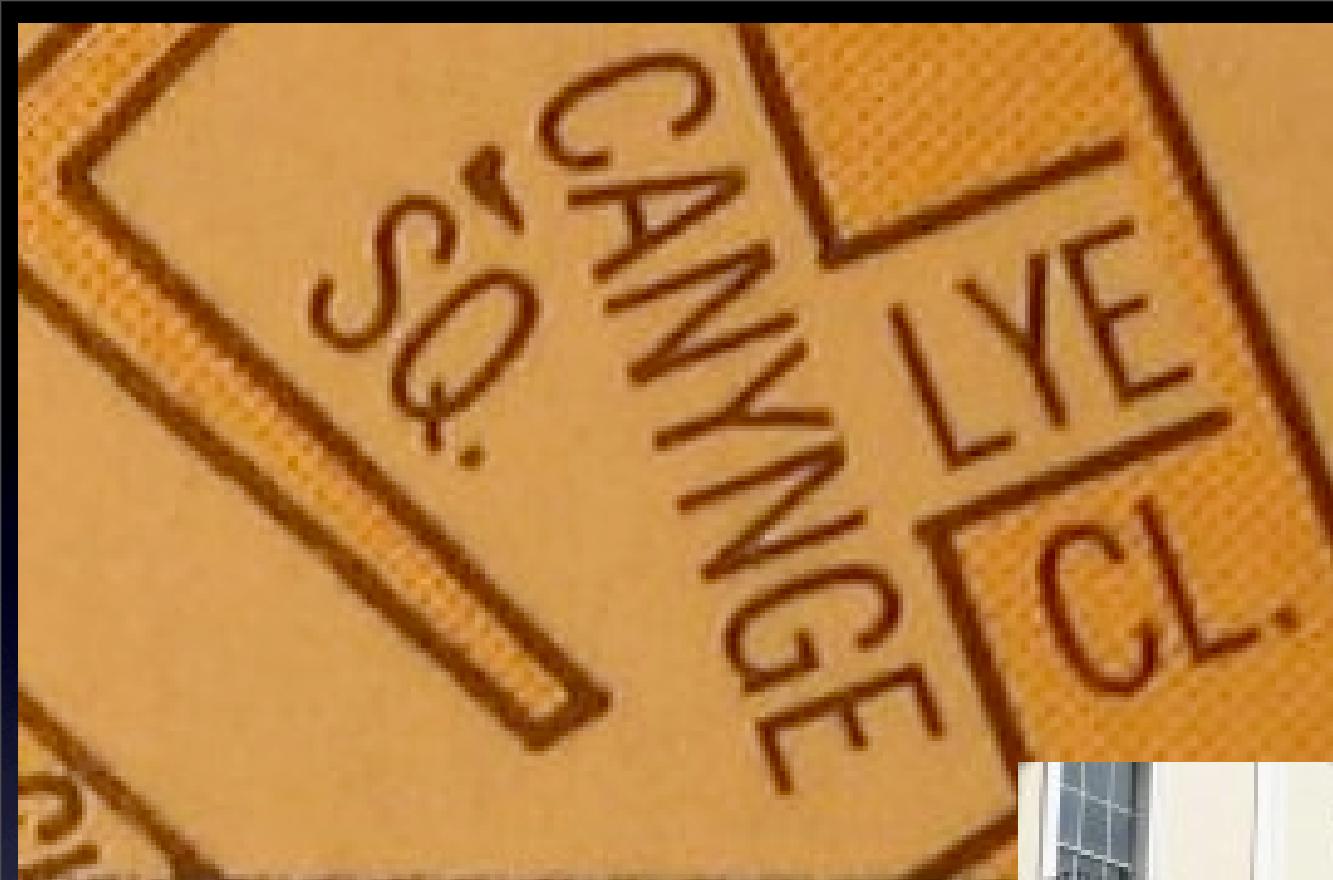
Object

Lat/Lon 53.49448245383912 -2.2443689882696565

The screenshot shows a Java application window titled "Java Open Street Map – Editor". The main area displays a map of a city street network. Overlaid on the map are several red dashed lines forming a large loop, likely representing a GPS track or route. A green dashed line also forms a smaller loop within the red one. The map interface includes a toolbar with various icons for file operations like saving, opening, and zooming; a zoom slider; and a search bar. On the right side, there's a "Layers" panel containing two entries: "GPS" with coordinates 53.39029080120733, -2.3350378944 and 53.44925884290957, -2.2822770150, and a "Data Layer" entry represented by a magnifying glass icon. At the bottom, there are navigation buttons for moving between objects and a status bar showing the current latitude and longitude.



# Fallout



# A-Z

Norman Dennison, director of Geographers' A-Z Map Company, confirms that Lye Close is a lie, which will now be removed. "The idea is to put something on the map to protect copyright," he says. "We try to put it in an area or a part of a road which would not be misleading to the ordinary person in the street. They have been put in out-of-the-way places."

# OS Quote

- Quote from Guardian article:  
*"We make an average of 5,000 changes to our large-scale data every day," said an OS spokesperson. "It's not about mapping the Isle of Wight once - it's about continuing to map it ... It is expensive to collect detailed, accurate information on the ever-changing world to the level of detail our customers require."*

# OSM Quote

- From an OSM spokesperson:

*"This month we made an average of 6,567 (Note 1) changes to our large scale-data every work day" said an OSM spokesperson. "It's not about mapping the Isle of Wight once - it's about continuing to map it ... and using enthusiastic and passionate volunteer surveyors we are collecting more information every day with 1,864 registered volunteers than the Ordnance Survey manages to do with a paid full time workforce of 1,490."*

# Postcodes!?

57.2045 -2.1111  
57.178650 -2.148780 AB25 3SQ  
57.179970 -2.104150 AB25 3SQ  
57.154300 -1.965510 AB41 8JU  
57.390770 -2.071200 AB41 9JB  
57.365080 -2.596490 AB52 6UY  
57.390010 -0.317316 AL1 1DS  
51.730907 -0.346262 AL1 2QL  
51.733203 -0.293305 AL2 1GR  
51.721616 -0.331070 AL2 2LA  
51.710522 -0.333903 AL2 2LE  
51.714127 -0.340726 AL2 2PA  
51.724834 -0.258973 AL4 0SE  
51.746314 -0.296870 AL4 9AH  
51.770150 -0.321020 AL4 9NH  
51.770430 -0.337272 AL5 5RU  
51.815879 -0.214148 AL6 9HT  
52.434691 -1.901901 B14 7TG  
52.551040 -1.817927 B72 1JU  
52.404420 -1.827760 B90 2AA  
52.300354 -1.969556 B97 4NF  
51.378340 -2.367850 BA2 3BH  
53.847590 -1.767370 BD17 5QA  
52.26699 -2.123162 BH20 4PF  
52.231780 BH20 6EP  
52.2221 1HJ

# Thanks for listening

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