



OpenStreetMap



Steve Coast

steve@asklater.com

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

120min window

5min step

www.ecourier.co.uk

www.somethingmodern.com

Wed Jul 06 00:00:00 BST 2005





Why OSM?

- Geodata isn't
 - Free
 - Open
 - Current
- Wiki is obvious next step
- It's just *fun*

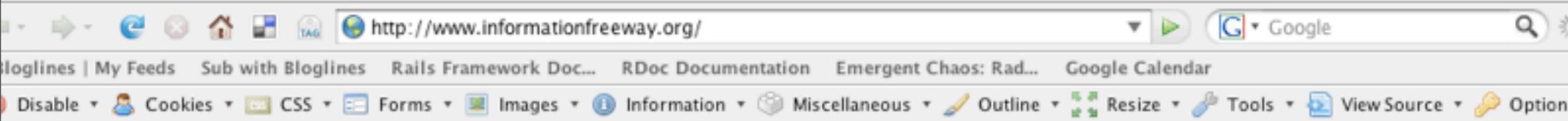


We make beautiful maps

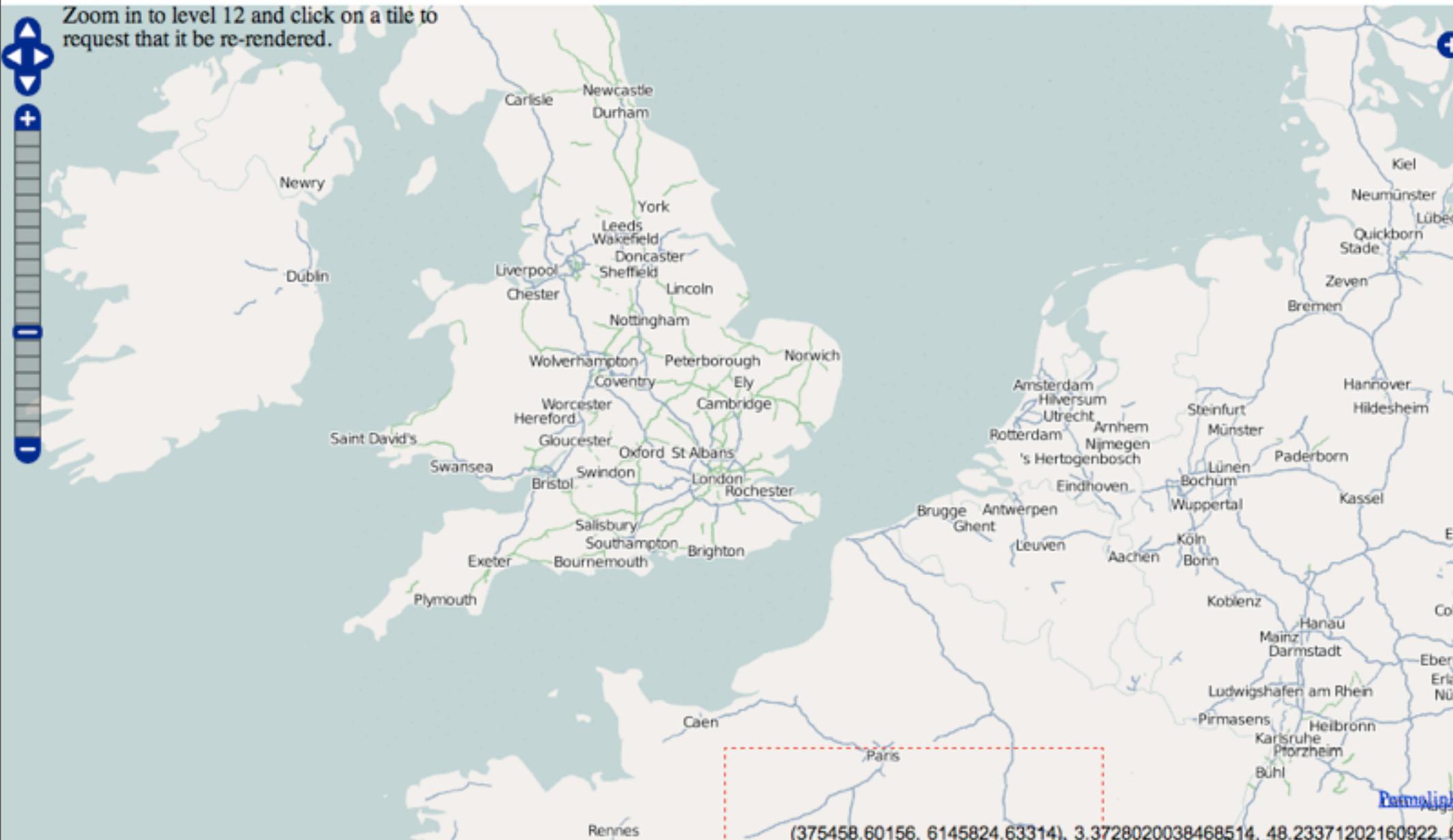


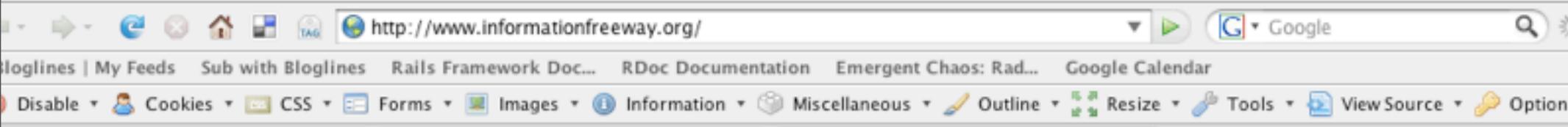
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...which we give away

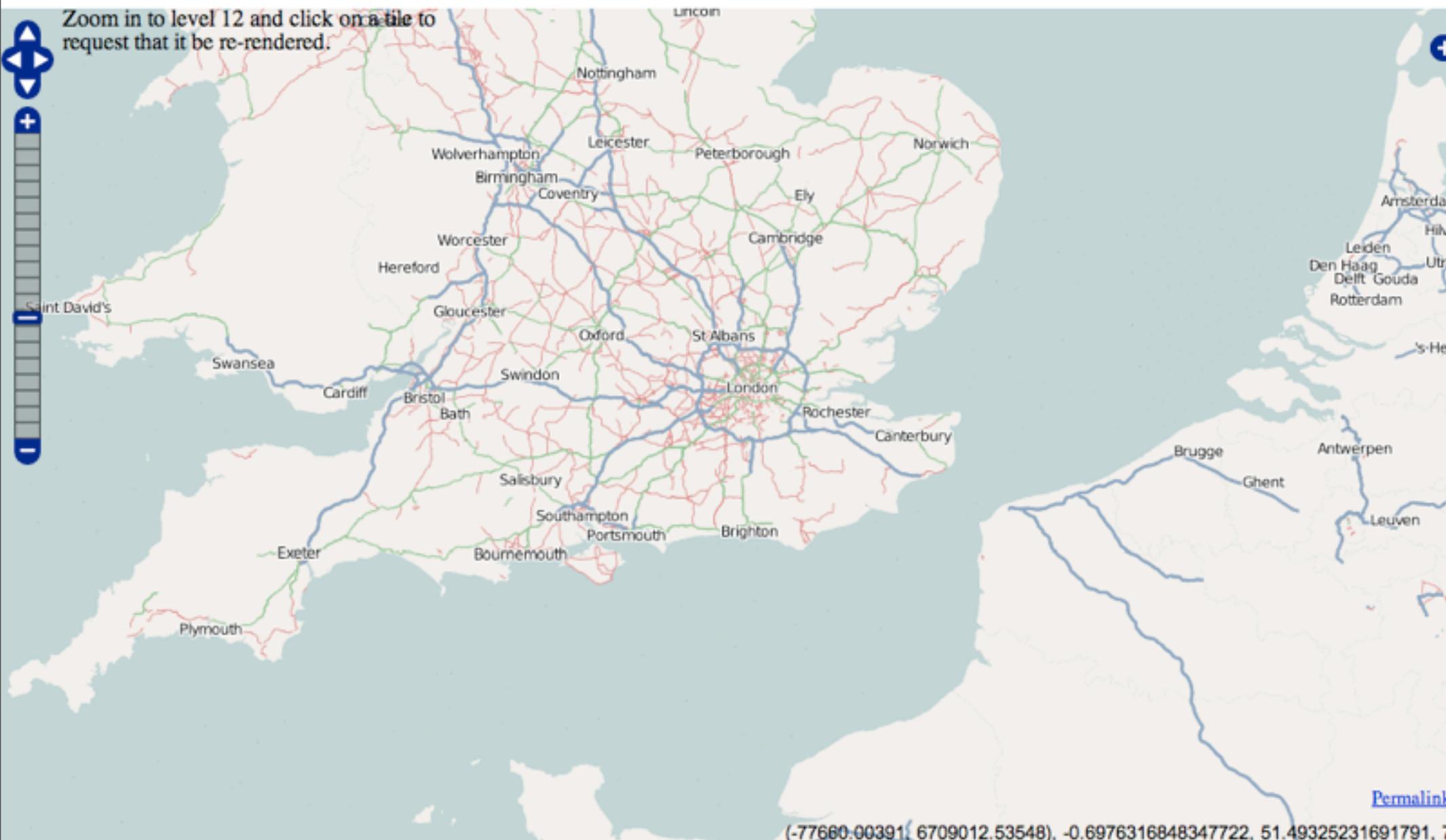


Zoom in to level 12 and click on a tile to request that it be re-rendered.



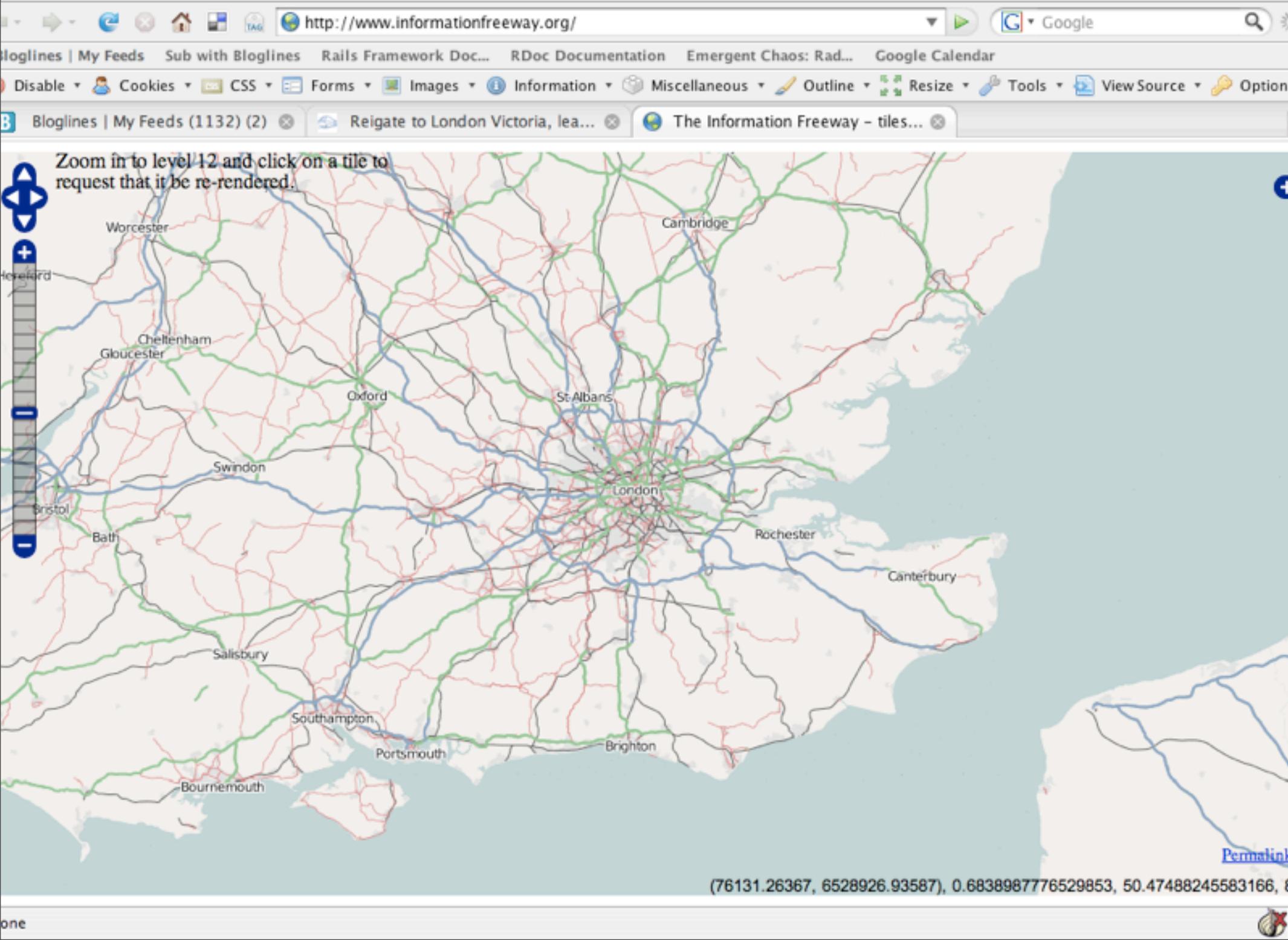


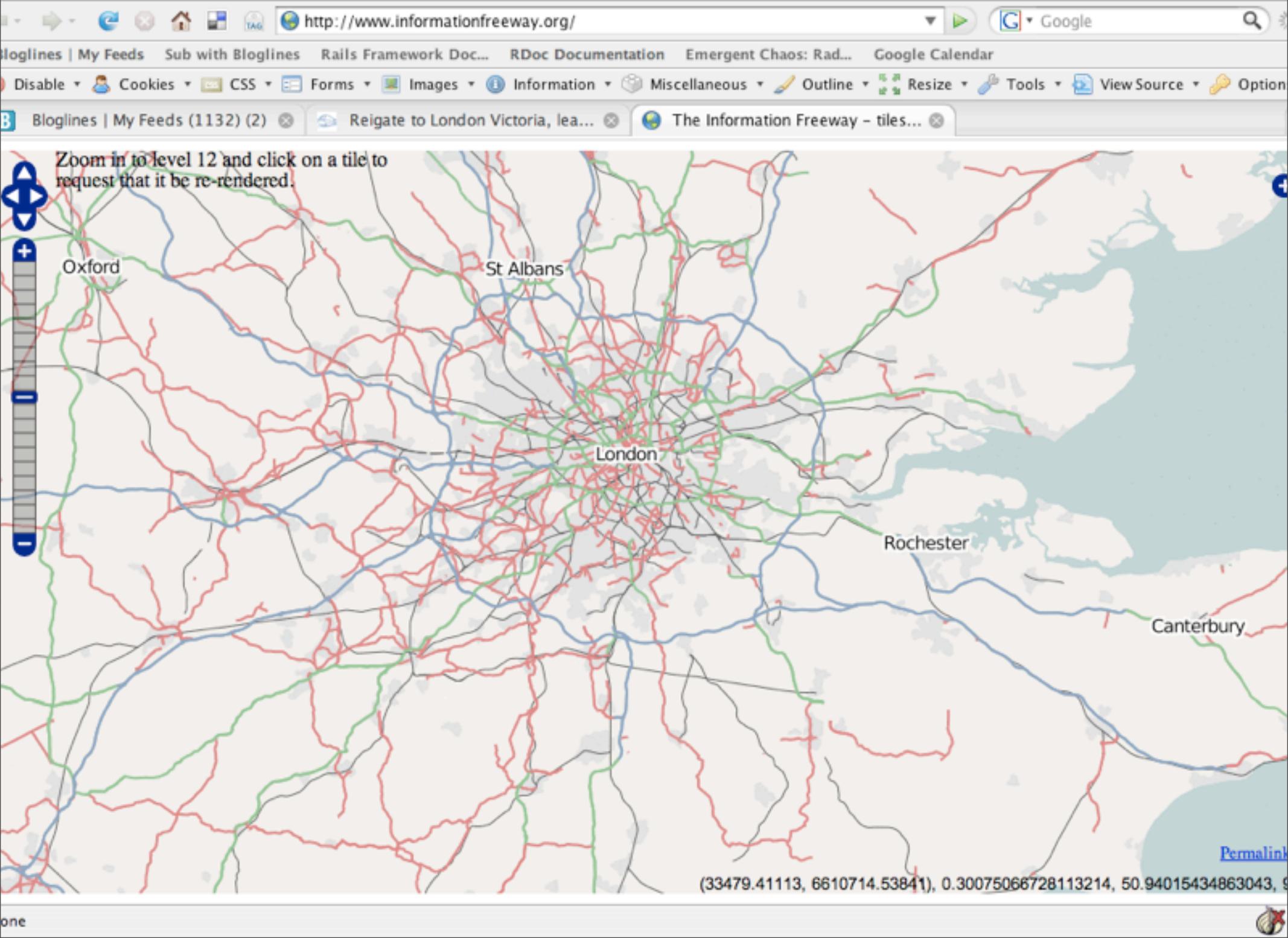
Zoom in to level 12 and click on a tile to request that it be re-rendered.

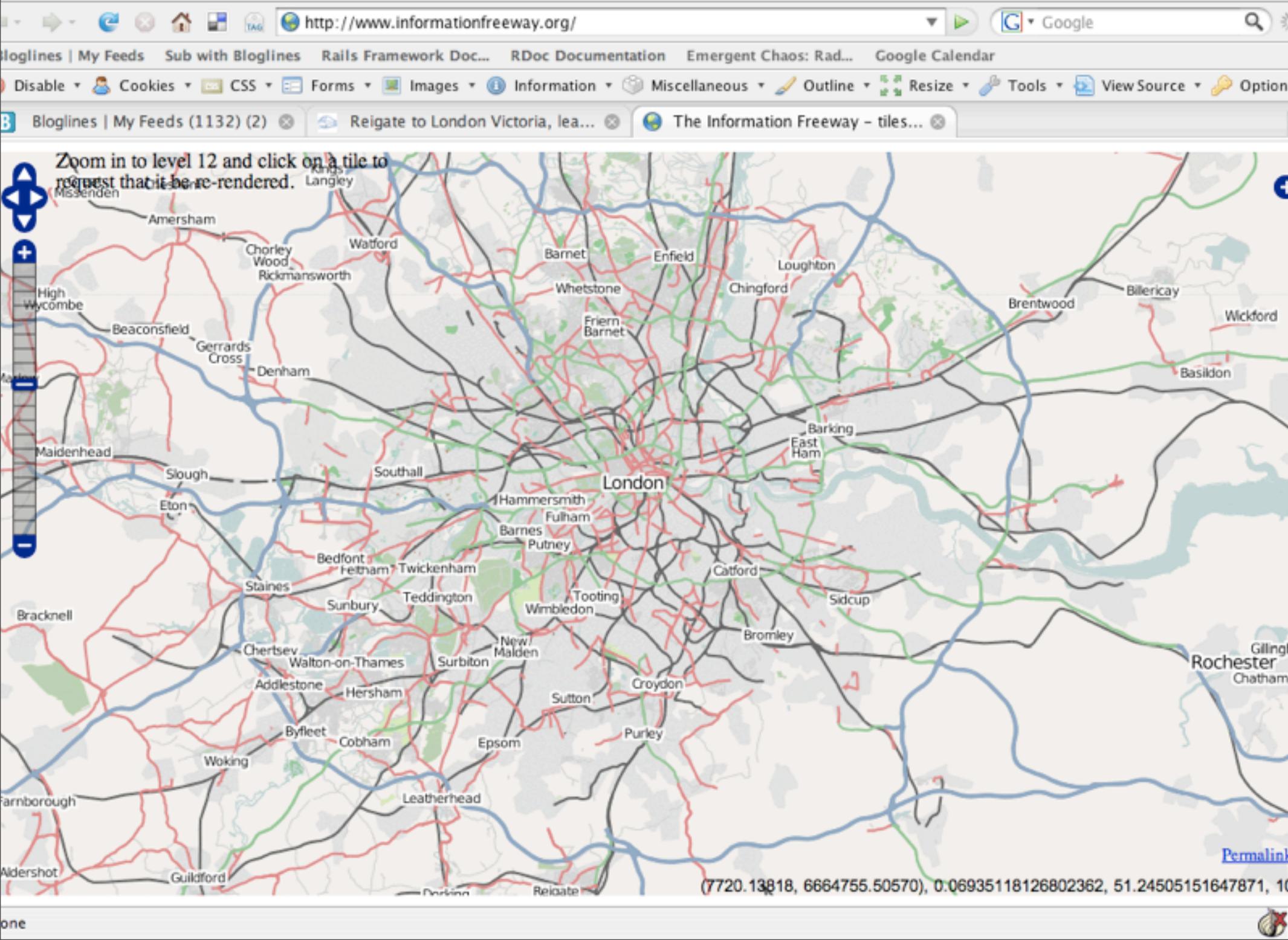


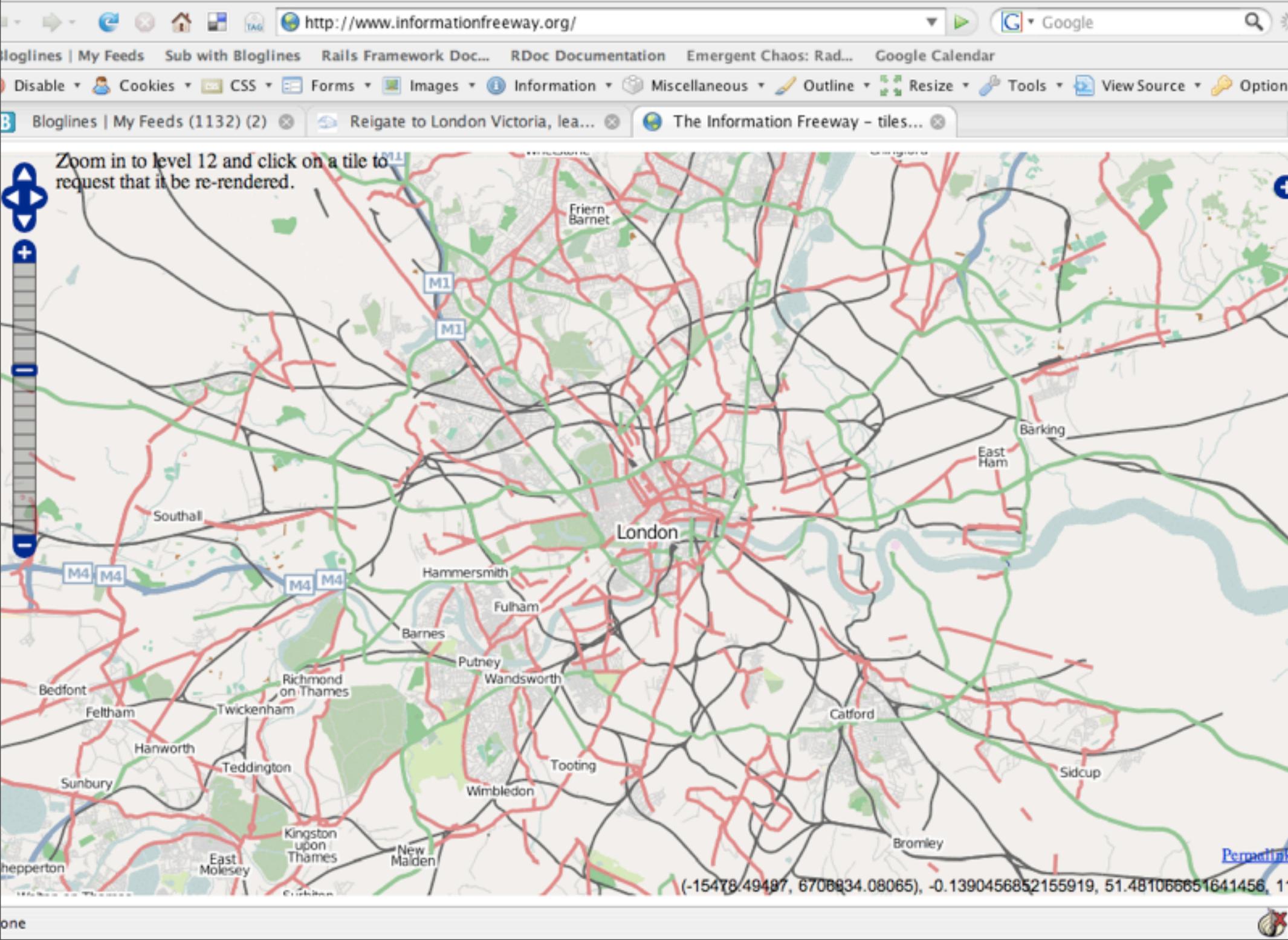
Permalink

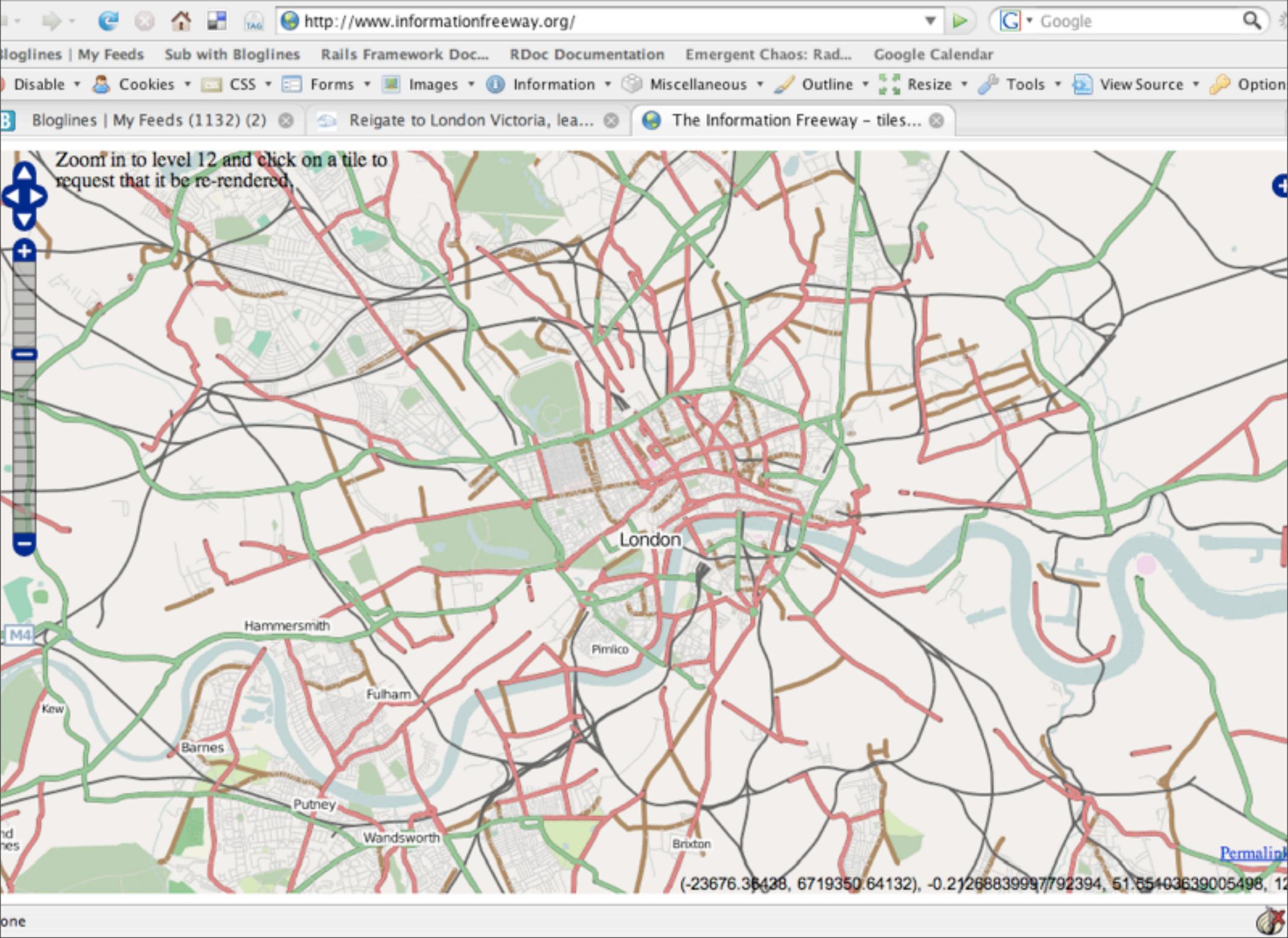
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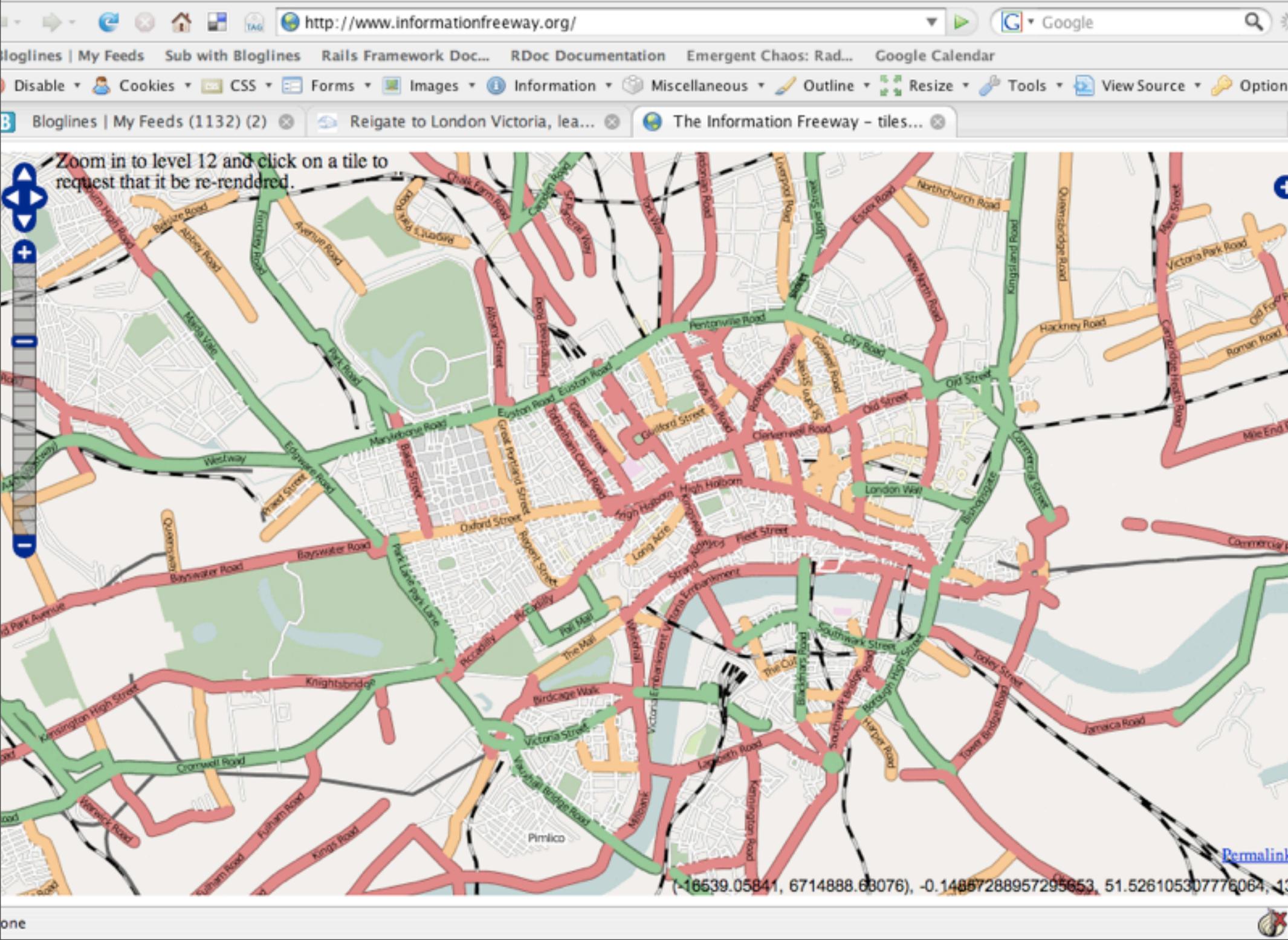




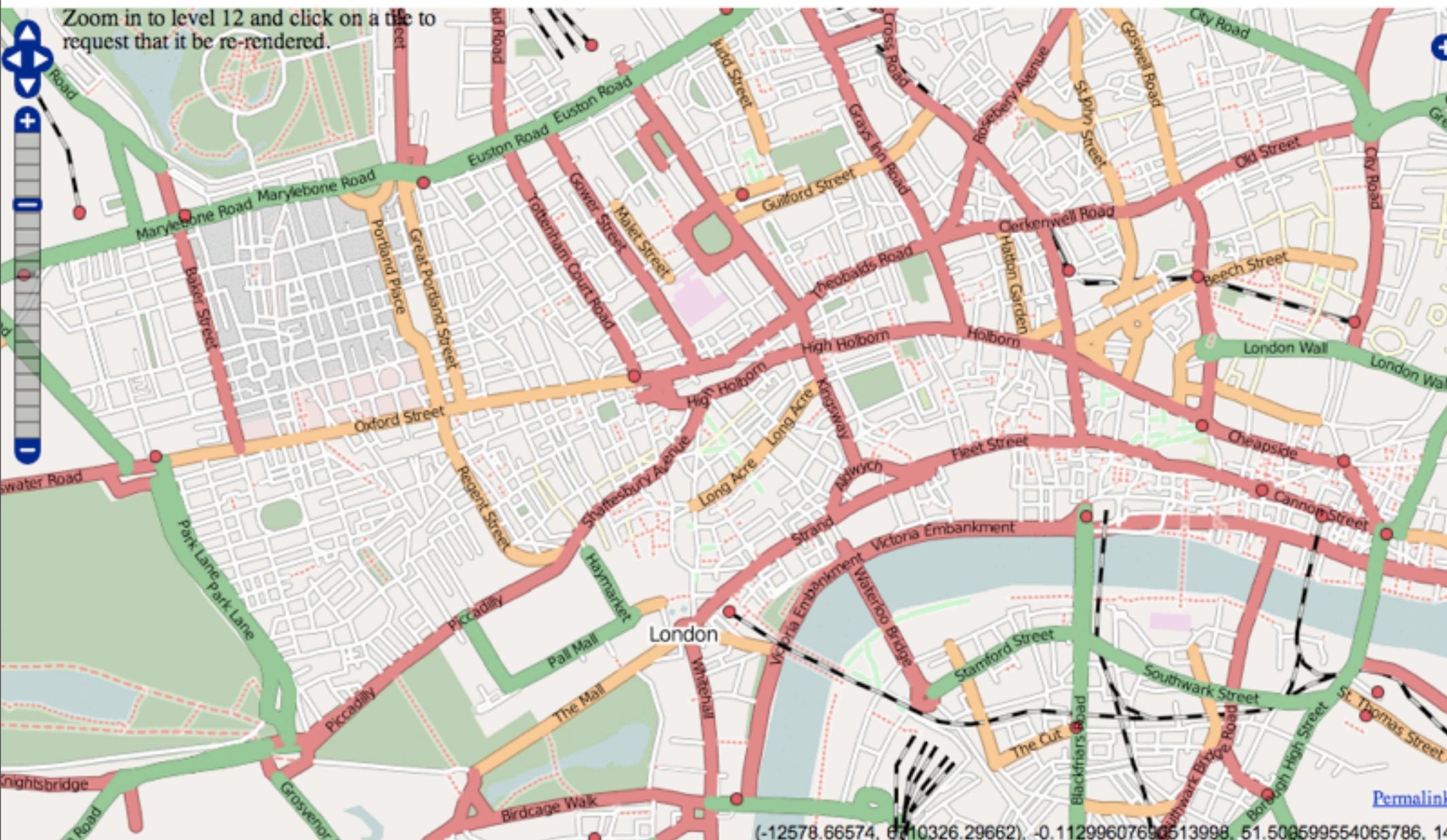




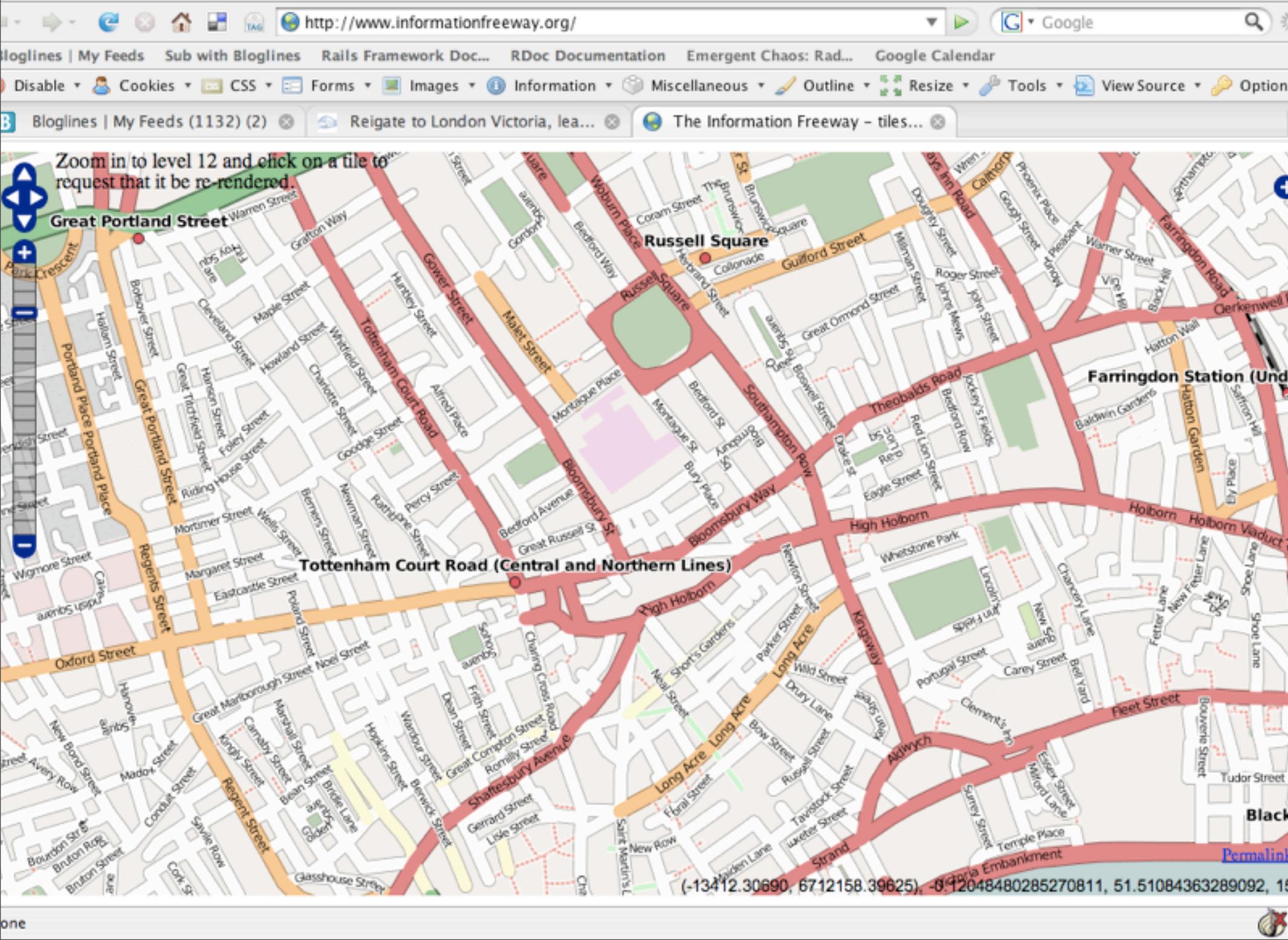




Zoom in to level 12 and click on a tile to request that it be re-rendered.



(-12578.66574, 6710326.29662), -0.11299607690513998, 51.502699554065786, 14

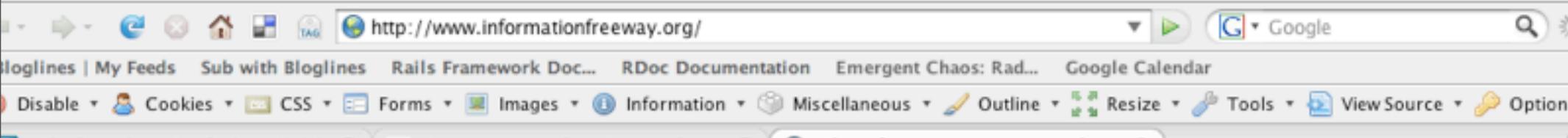


Zoom in to level 12 and click on a tile to request that it be re-rendered.

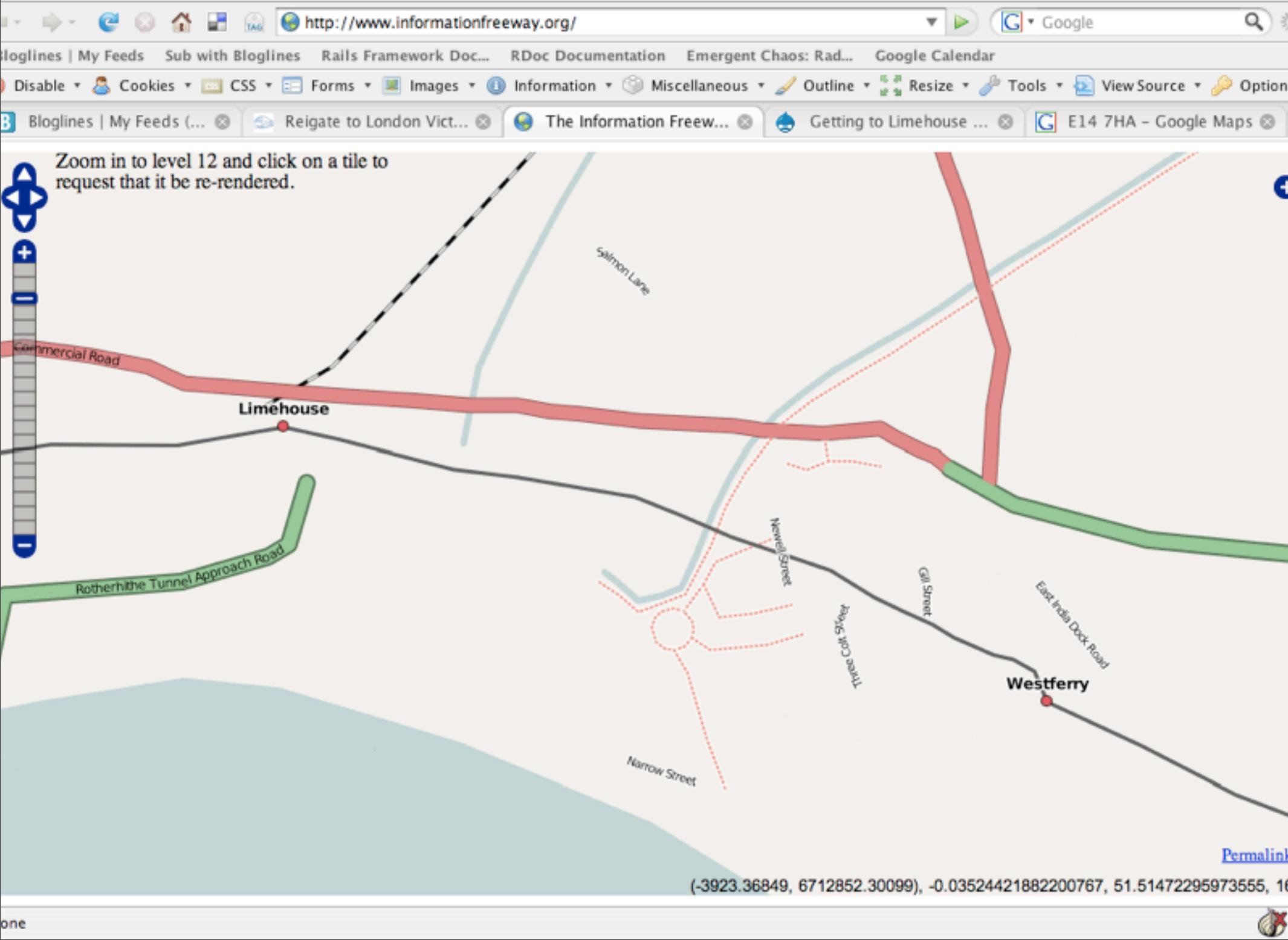


Tottenham Court Road (Central and Northern Lines)

(-13702.52868, 6712704.20428), -0.12309190945050046, 51.513895041632225, 16



(-13901.38434, 6713052.35098), -0.12487826026750633, 51.51584129295921, 17



Some Quotes

Quote 1

“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, ex-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.”

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.”

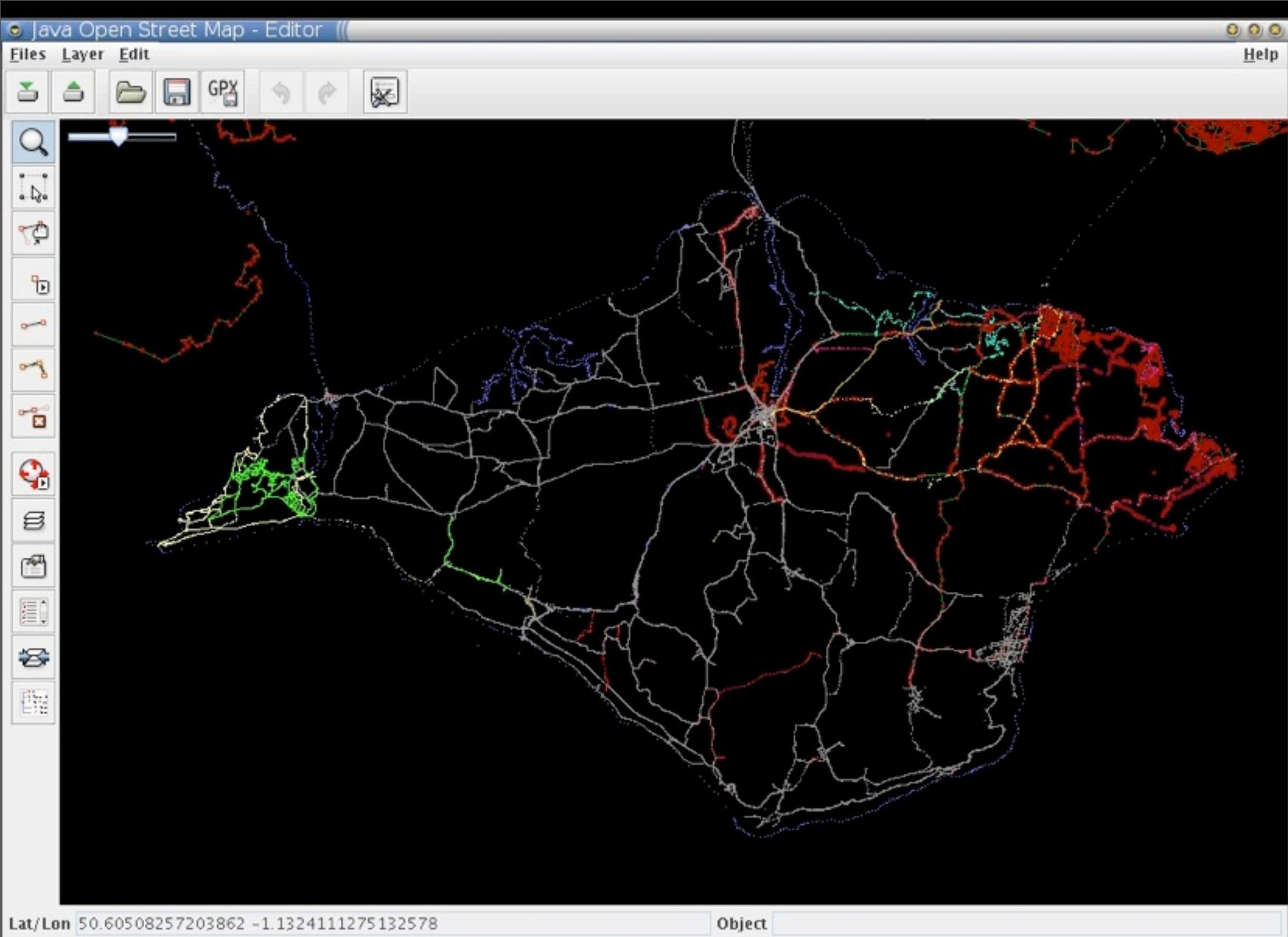
Bill Gates

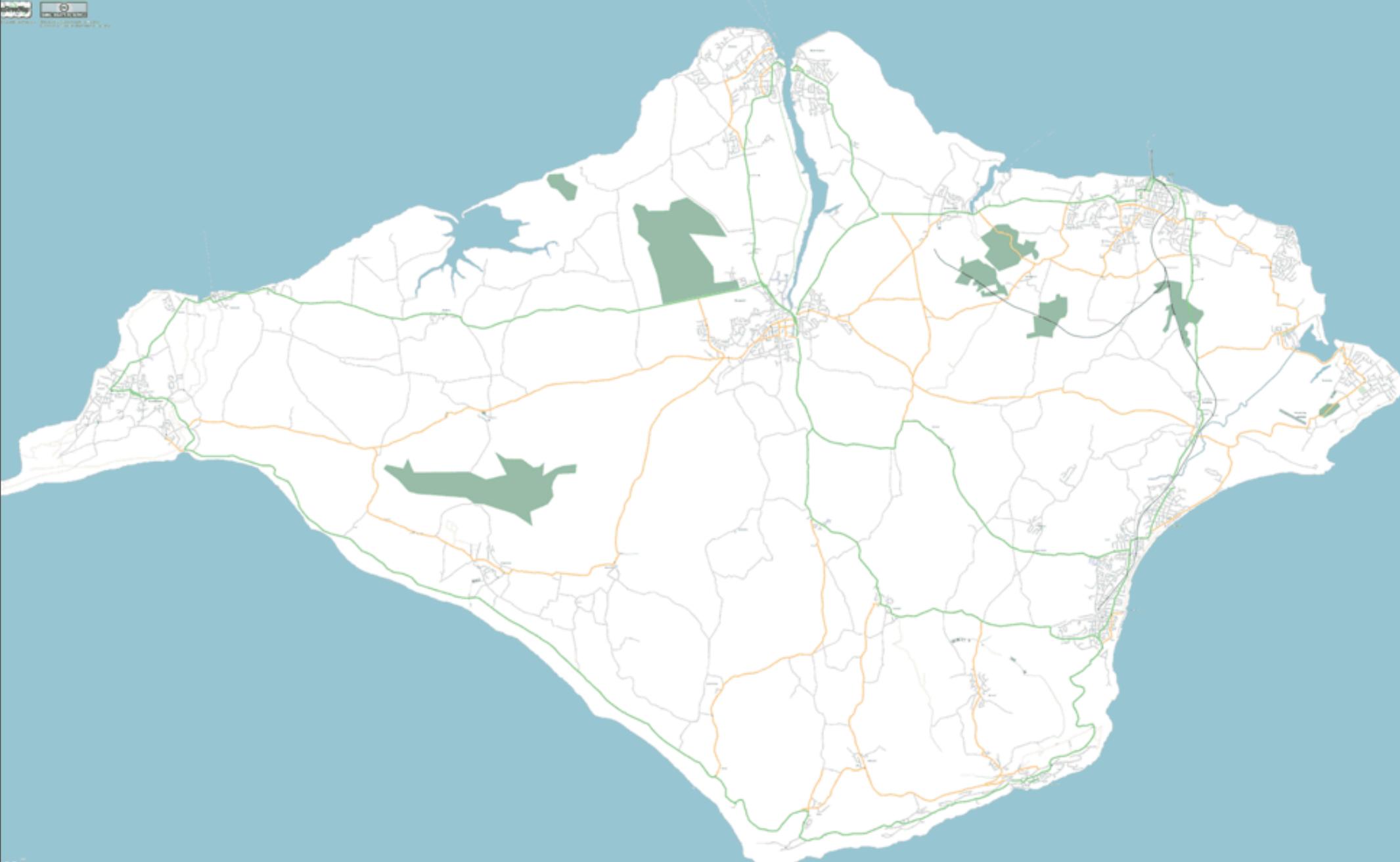
Workshops

Or, Map as Party







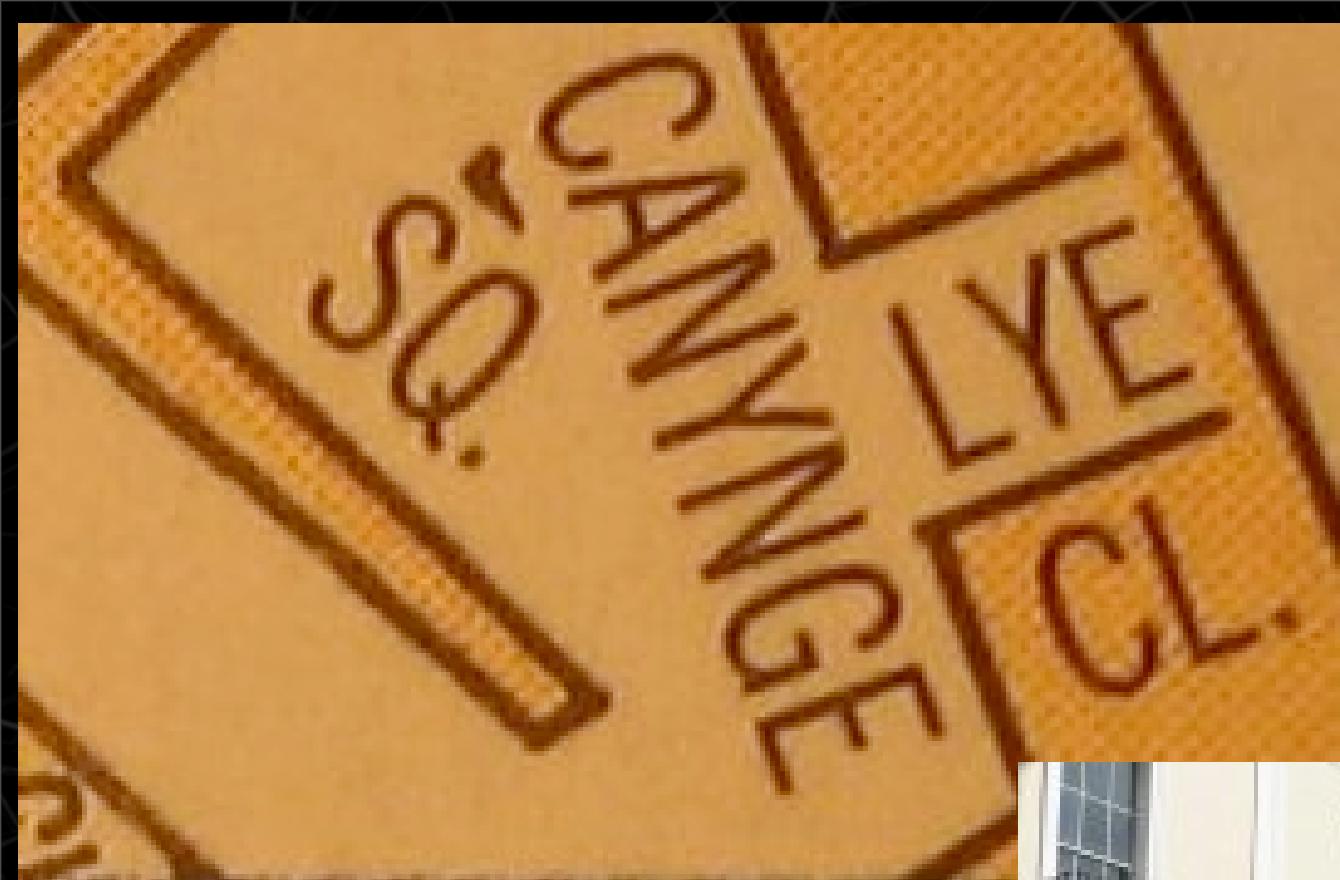




Egleton



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."

Using OSM

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

description: sat afternoon from someone

tags: mapchester manchester uk

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Editing the trace mc-steve-4.gpx

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

description: sat afternoon from someone

tags: mapchester manchester uk

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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 & anne walking mapchester sunday

by SteveC in: mapchester manchester uk

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

chris & 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 & 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



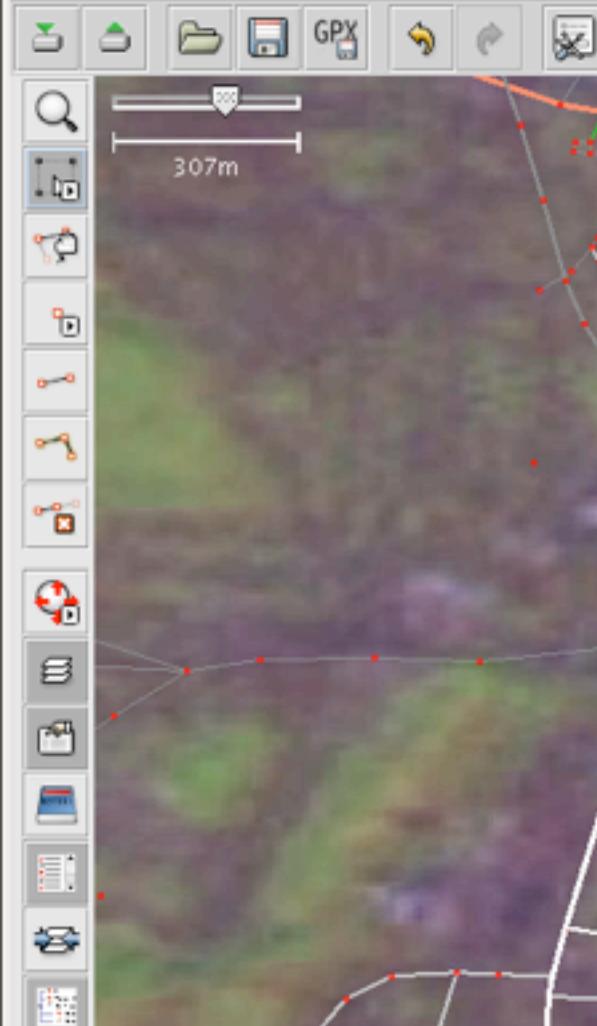
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Layers

- WMS /onearth.jpl.nasa.gov/wms.cgi?request=GetMap&version=1.1.1&service=WMS&srs=EPSG:3857&bbox=-1000000,-1000000,1000000,1000000&width=1000&height=1000&format=image%2Fpng&layers=onearth&time=now



Properties

Key	Value
abutters	<different>
created_by	JOSM
highway	primary
name	High Street, Lewisham
oneway	<different>
ref	<different>

Delete

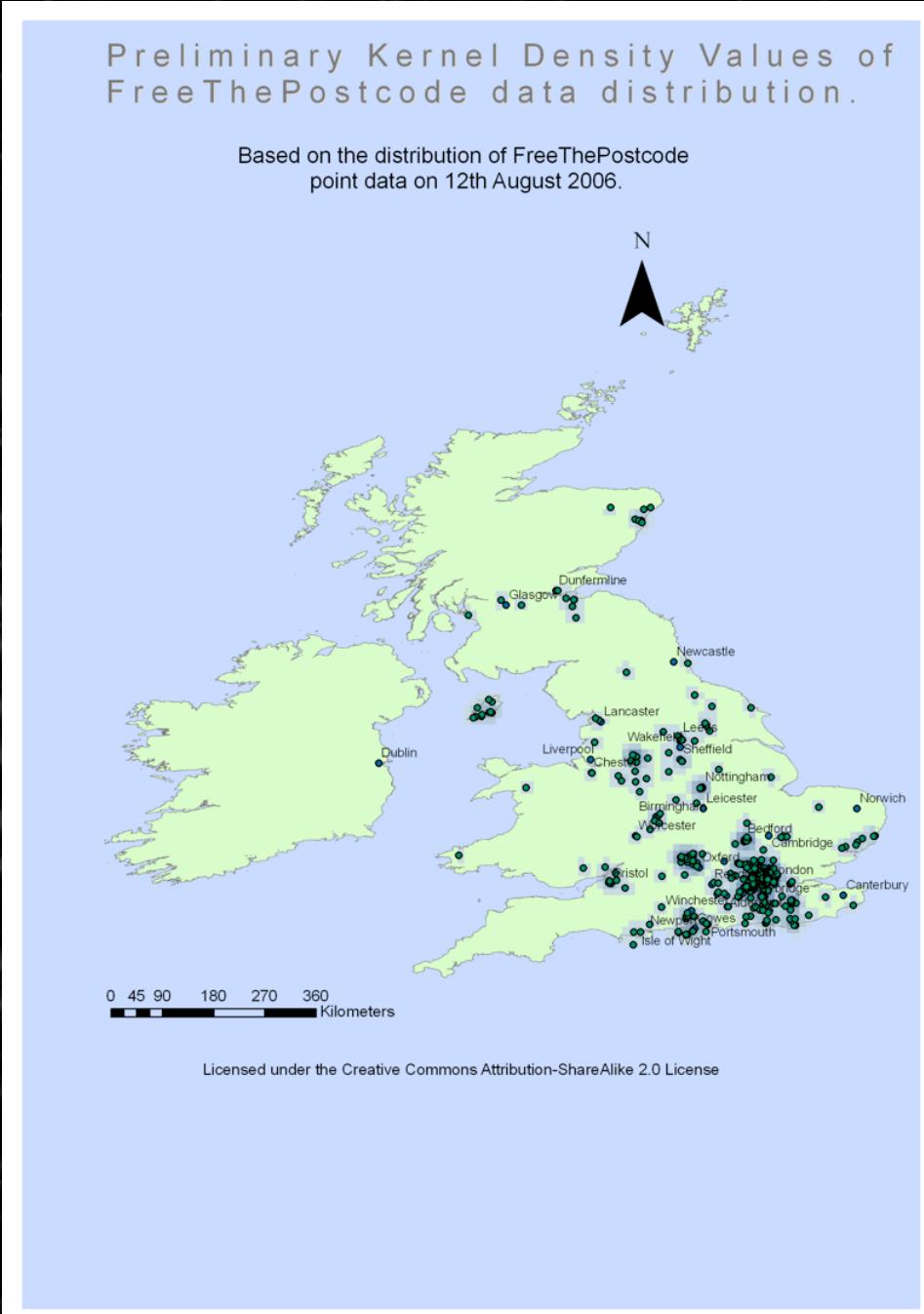


Command Stack

- Move 1 node
- Move 26 nodes

Postcodes!?

3650 -2.11
9970 -2.148780 AB25 3SQ
54300 -2.104150 AB41 8JU
390770 -1.965510 AB41 9JB
365080 -2.071200 AB41 9UY
.390010 -2.596490 AB52 6UY
1.730907 -0.317316 AL1 1DS
51.733203 -0.346262 AL1 2QL
51.721616 -0.293305 AL2 1GR
51.710522 -0.331070 AL2 2LA
51.714127 -0.333903 AL2 2LE
51.724834 -0.340726 AL2 2PA
51.746314 -0.258973 AL4 0SE
51.770150 -0.296870 AL4 9AH
51.770430 -0.321020 AL4 9NH
51.815879 -0.337272 AL5 5RU
51.821930 -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
50.682699 -2.123162 BH20 4PF
50.79071 -2.231780 BH20 6EP
50.797160 BH21 1HJ
BN1 3DA



Coase's Penguin

(Yochai Benkler)

Commons-based Peer Production:

- Non-monetary motivation
- Discrete multi-size pieces
- Low-cost integration

Coase's Penguin

(Yochai Benkler)

Commons-based Peer Production:

- Fun
- Takes 5 minutes
- Easy



Data: UK-US comparison

US GeoData Maket

Price

‘Quality’

100 ‘%’



US GeoData Maket

Price

TIGER

'Quality'

TIGER-derived
(mostly)

100 '%'

UK GeoData Market

Price



'Quality'

100 ‘%’

UK GeoData Market

Price

OSM

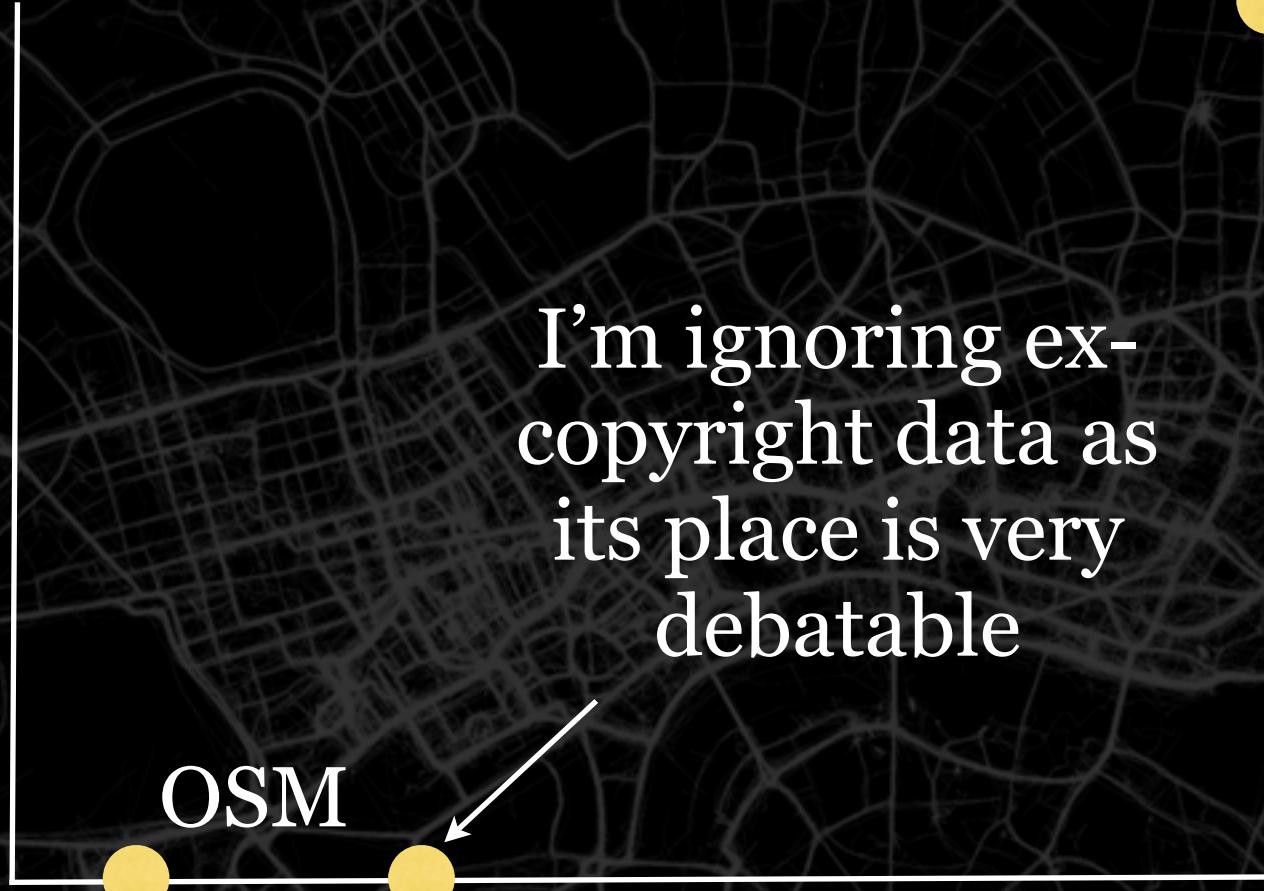
‘Quality’

100 ‘%’

OS

UK GeoData Market

Price



UK GeoData Market

Price

OSM



'Quality'

100 ‘%’

OS

UK GeoData Market

Price

OSM

'Quality'

100 ‘%’

OS

UK GeoData Market

Price

OSM

'Quality'

100 '%'

OS



We've seen this before

OS Market

Price

Windows

Linux

'Quality'

100 ‘%’



Price

OS Market

Windows

(Think price per
feature)

Linux

'Quality'

100 ‘%’

Thanks for listening

Steve Coast

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