

Nov 09
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Nov 10

Potlatch2 – Editing for the Masses

Andy Allan

www.gravitystorm.co.uk

www.opencyclemap.org

nottingham

OpenStreetMap

CC-by-SA www.flowworld.com
Map data www.openstreetmap.org 14 Nov 2010

OpenStreetMap



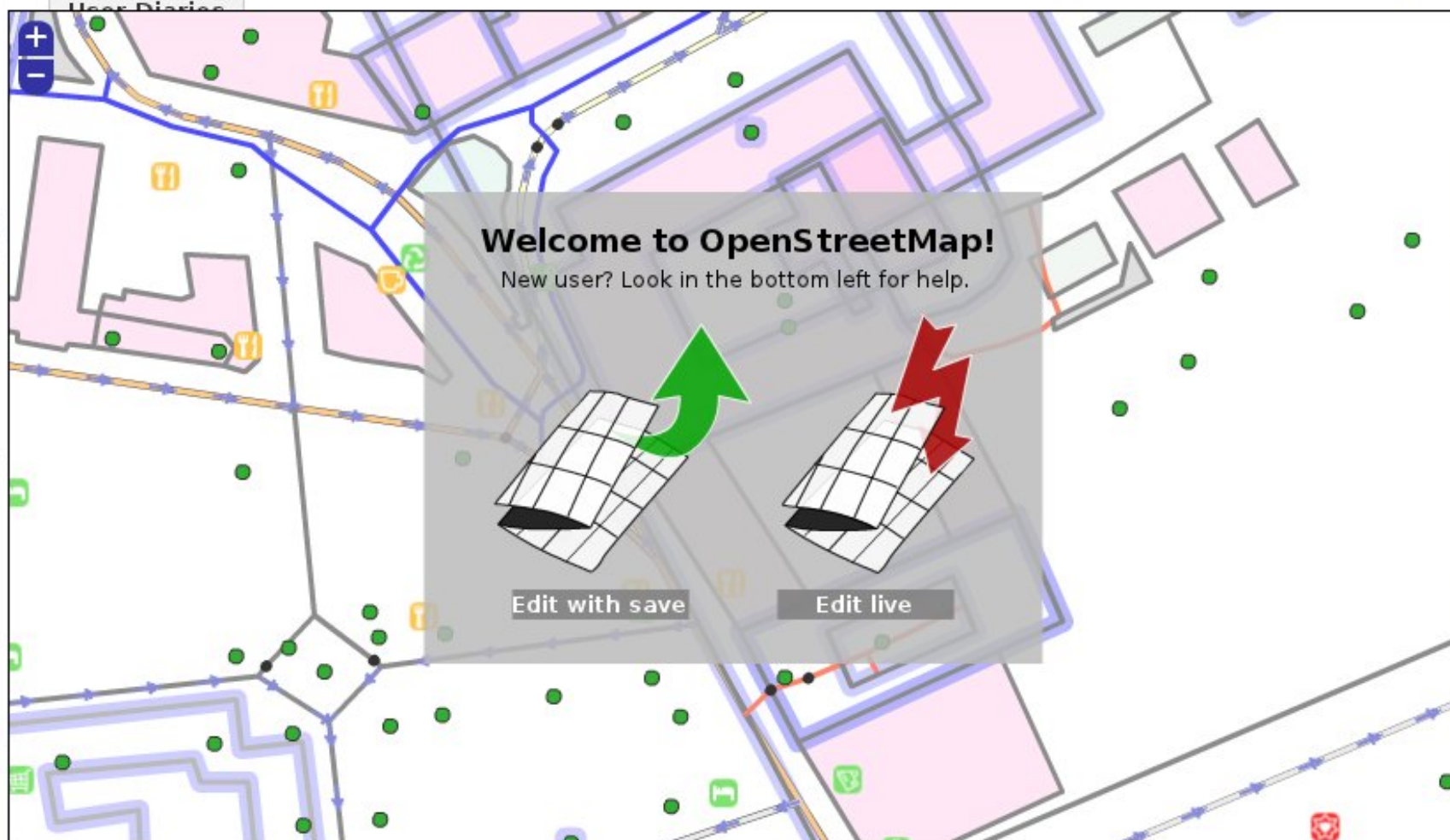
The Free Wiki World Map

Search [Where am I?](#)

examples: 'Alkmaar',
'Regent Street',
Cambridge', 'CB2 5AQ', or
'post offices near Lünen'
[more examples...](#)

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Potlatch 1.4

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Search [Where am I?](#)

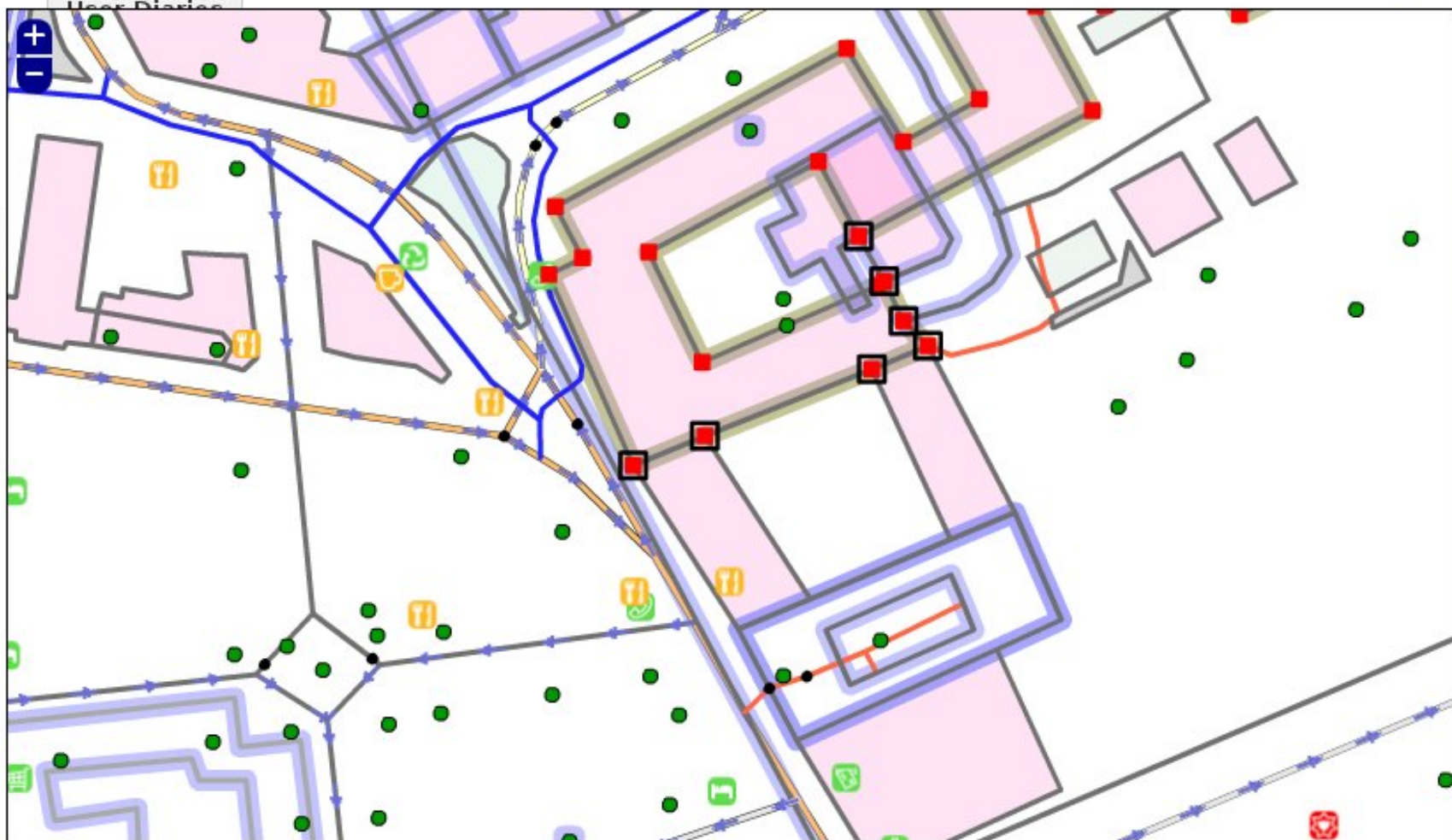
examples: 'Alkmaar',
'Regent Street',
Cambridge', 'CB2 5AQ', or
'post offices near Lünen'
[more examples...](#)

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Way

25343722



	university	
site	Technische U	x
amenity	university	x
building	yes	x
layer	1	x

name	Technische Uni	x
addr:stre	Gußhausstraße	x



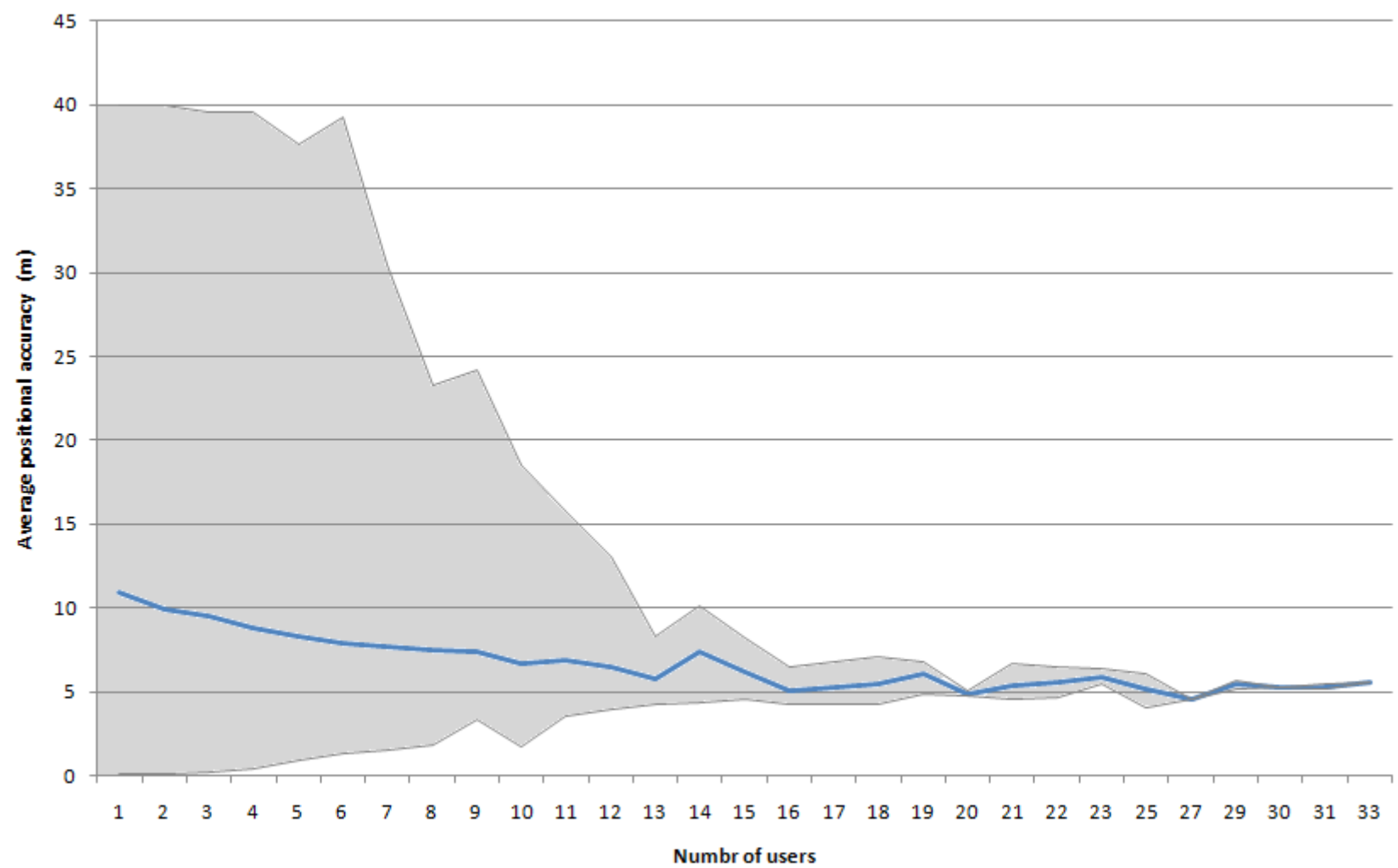
Help Find tag Advanced

Editing offline

Save

Simple things should be simple,
complex things should be possible.

– Alan Kay



30,717 different users saved data
increasing ~1,800 per week

2nd Most Widely used editor ever
(behind P1)

3rd most Heavily used editor ever
(behind JOSM and P1)

– as of 21st June 2011

Run down of features

Search Where am I?

Go

examples: 'Alkmaar',
'Regent Street',
'Cambridge', 'CB2 5AQ', or
'post offices near Lünen'
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**Food and Drink:****Amenity:**

Tourism:



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Save



Paulanergasse

Secondary road

Basic

Naming

Cycle

Name:

Paulanergasse

Reference:

Unset

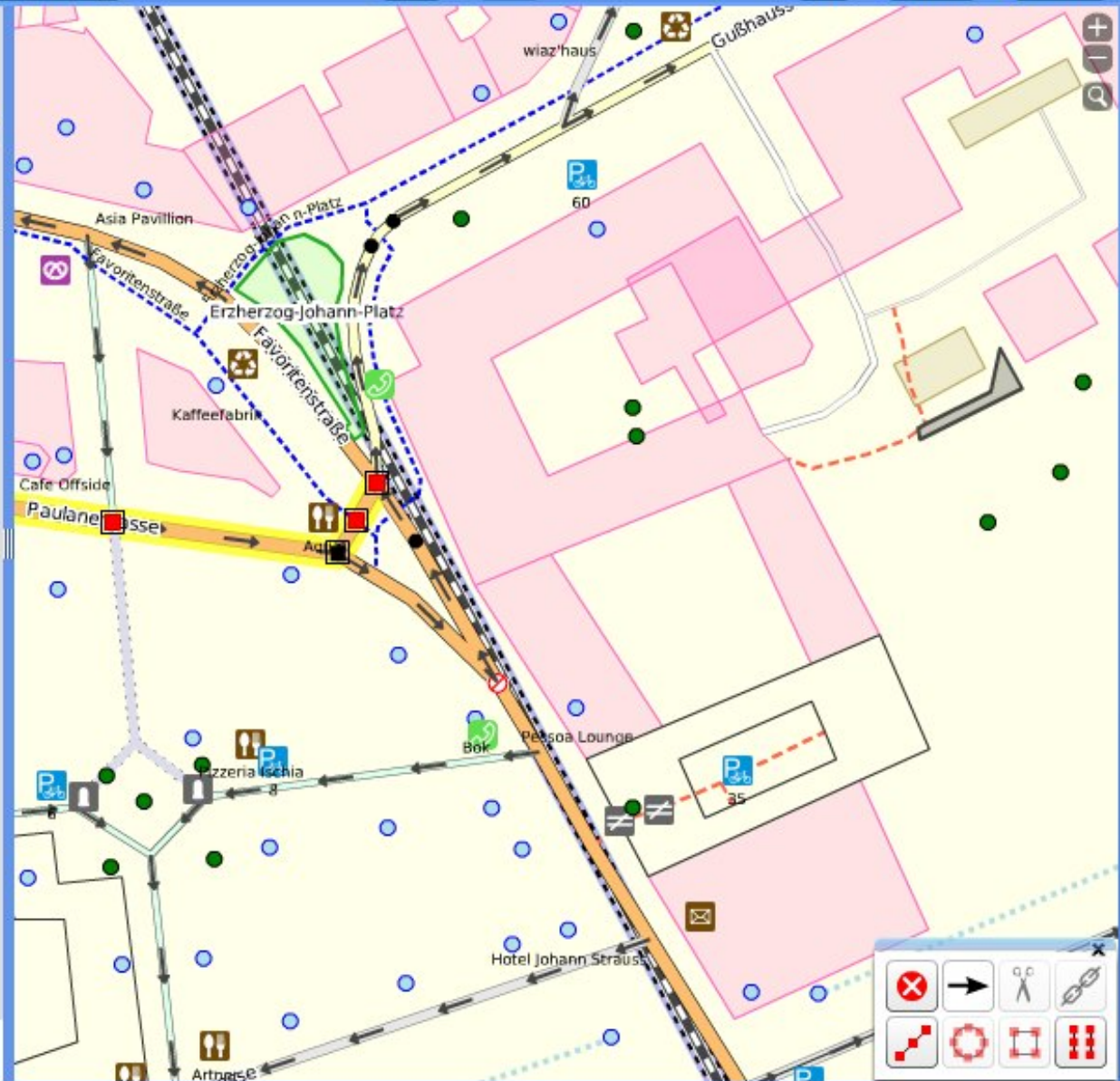
Oneway:

One way

Speed Limit:

30
km/h

Simple | Advanced



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U1

Subway line ▾ 

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Paths

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Water

Natural

Barrier

Power

Places

Sport and Leisure



Railway line



Railway spur



Railway siding



Preserved line



Disused tracks



Old trackbed



Light rail line



Tram line



Subway line



Railway platform



Airport runway



Airport taxiway

Simple | Advanced



OpenStreetMap



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'Regent Street',
'Cambridge', 'CB2 5AQ', or
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Basic Misc Restrictions

Turn restriction:



From A3220 Batt

To Battersea I

Show

Advanced...

Delete



From A3220 Batt

To A3205 Batt

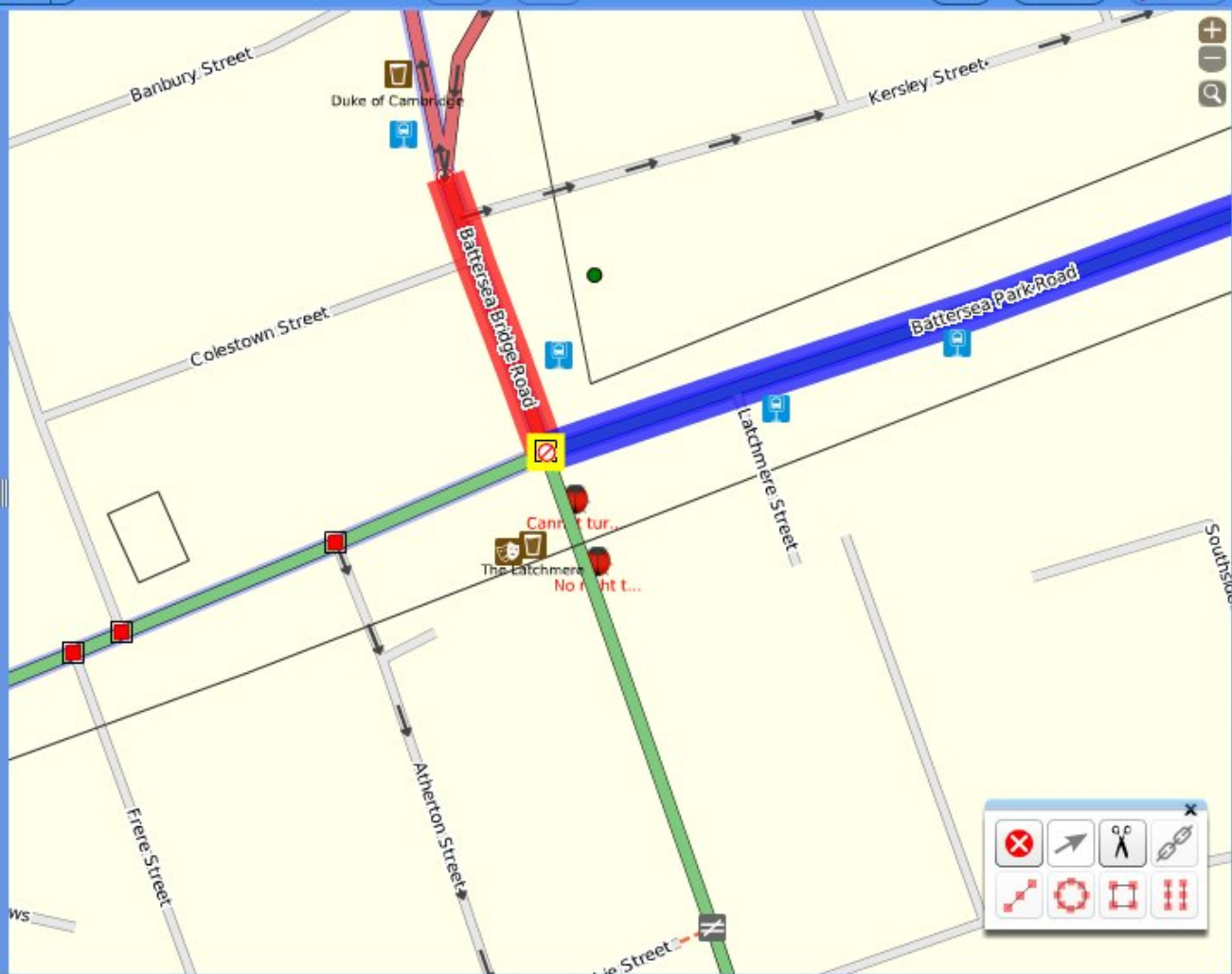
Hide

Advanced...

Delete

Add new turn restriction

Simple Advanced



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examples: 'Alkmaar',
'Regent Street',
'Cambridge', 'CB2 5AQ', or
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[Background](#) [Map Style](#) [GPS Data](#)
[Undo](#) [Redo](#) [Help](#) [Options](#) [Save](#)

Way: 5132441

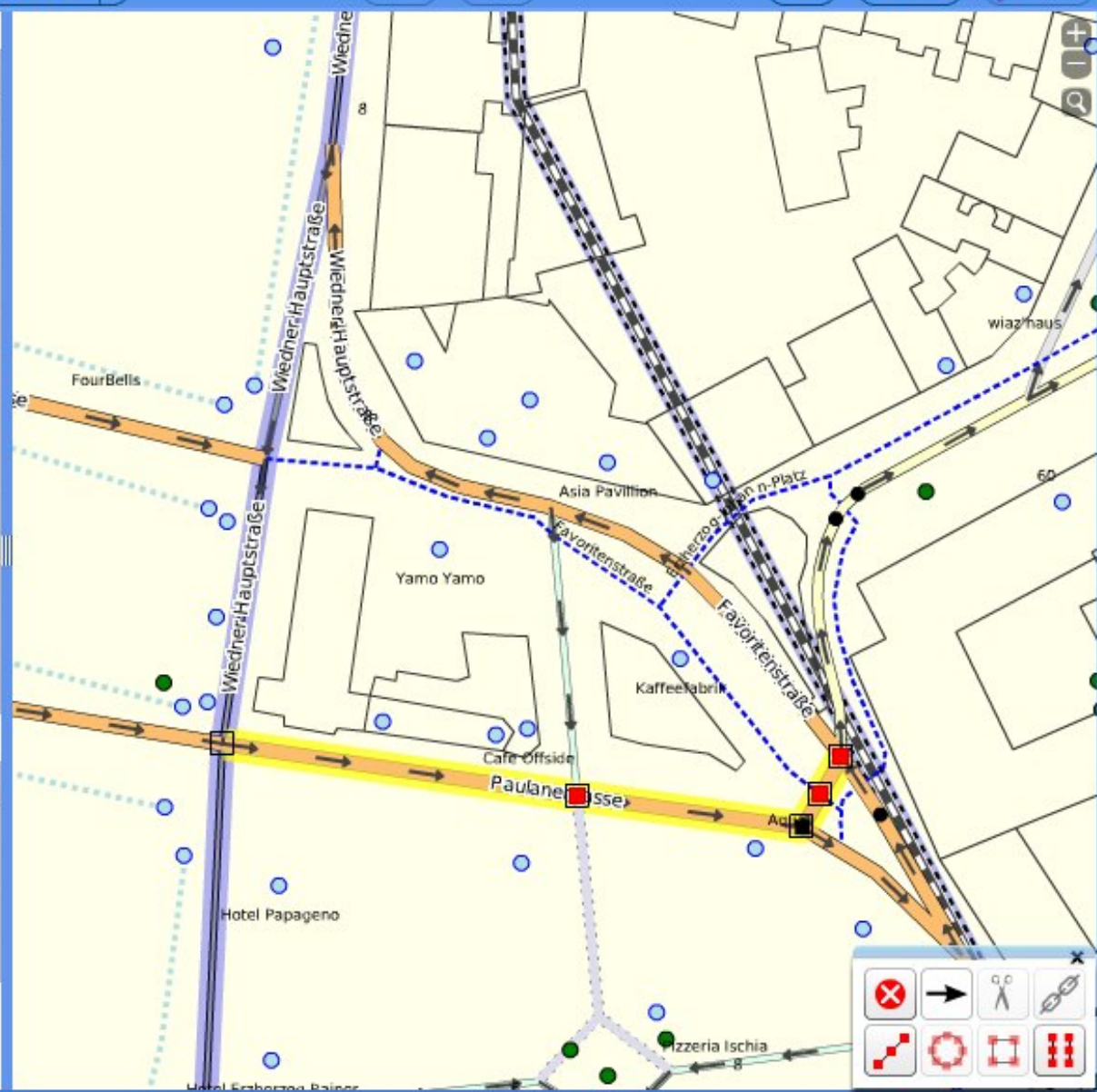
Key	Value	
highway	secondary	☐
maxspeed	50	☐
name	Paulanergasse	☐
oneway	yes	☐

Relation	ID	Role	
			☐
			☐
			☐
			☐

Remove from

Add to

Simple | Advanced



Halcyon and MapCSS

```
/* Roads */
```

```
way[highway=motorway],way[highway=motorway_link],
way[highway=trunk],way[highway=trunk_link],
way[highway=primary],way[highway=primary_link],
way[highway=secondary],way[highway=secondary_link],
way[highway=tertiary],way[highway=tertiary_link],
way[highway=residential],way[highway=unclassified]
way[highway=motorway],way[highway=motorway_link]
way[highway=trunk],way[highway=trunk_link]
way[highway=primary],way[highway=primary_link]
way[highway=secondary],way[highway=secondary_link]
way[highway=tertiary]
way[highway=unclassified]
way[highway=tertiary_link]
way[highway=residential]
way[highway=service][service!=parking_aisle]
way[highway=service][service=parking_aisle]
way[highway=service][service=alley]
way[highway=road]
way[highway=living_street]
{ text: name; text-color: black; font-size: 10; text-position: line; text-halo-color: white; }
{ z-index: 9; color: #809BC0; width: 7; casing-color: black; casing-width: 1; }
{ z-index: 9; color: #7FC97F; width: 7; casing-color: black; casing-width: 1; }
{ z-index: 8; color: #E46D71; width: 7; casing-color: black; casing-width: 1; }
{ z-index: 7; color: #FDBF6F; width: 7; casing-width: 1; }
{ z-index: 6; color: #FEFECB; width: 5; casing-width: 1; }
{ z-index: 6; color: #D0D0D0; width: 5; casing-width: 1; }
{ z-index: 5; color: #FEFECB; width: 4; casing-width: 1; }
{ z-index: 5; color: #E8E8E8; width: 5; casing-color: gray; casing-width: 1; }
{ color: white; width: 3; casing-color: gray; casing-width: 1; }
{ color: white; width: 1; casing-color: #aaaaaa; casing-width: 1; }
{ color: white; width: 2; dashes: 6,2; casing-color: black; casing-width: 1; }
{ color: gray; width: 5; casing-color: white; casing-width: 1; }
{ z-index: 5; color: #ddffee; width: 3; casing-color: #555555; casing-width: 1; }
```

```
/* Road areas */
```

```
way[highway=pedestrian] !:area { color: #ddddee; width: 5; casing-color: #555555; casing-width: 1; casing-dashes: 2,4;}
way[highway=pedestrian] :area { color: #555555; width: 1; fill-color: #ddddee; fill-opacity: 0.8; }
```

```
/* Paths */
```

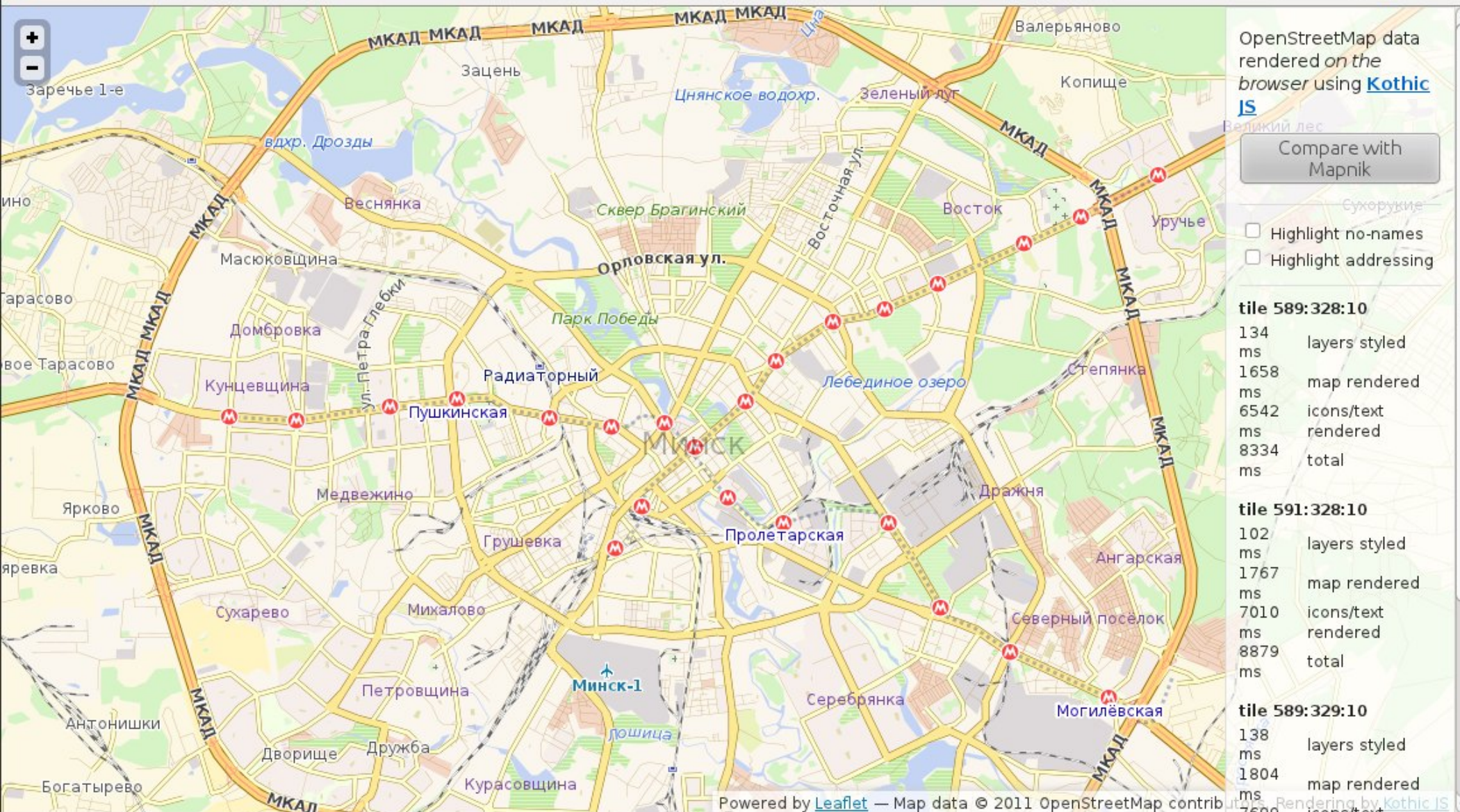
```
way[highway=steps] { color: #FF6644; width: 6; dashes: 2, 2; }
way[highway=footway] { color: #FF6644; width: 2; dashes: 6, 3; set .path;}
way[highway=footway][bicycle=yes] { z-index: 4; color: blue; width: 1; }
way[highway=bridleway] { z-index:9; color: #996644; width: 2; dashes: 4, 2, 2, 2; set .path;}
way[highway=track] { color: #996644; width: 2; dashes: 4, 2; set .path;}
way[highway=path] { color: brown; width: 2; dashes: 2, 2; set .path;}
way[highway=cycleway] { color: blue; width: 2; dashes: 4, 2; set .path;}
way[railway=tram] { z-index: 11; color: #999999; width: 2; casing-color: black; casing-width: 2; }
way .path { text:name; text-color: black; text-position: offset; text-offset: 5;}
```

A canvas Map of Minsk - Mozilla Firefox

File Edit View History Bookmarks Tools Help

http://kothic.org/js/

Wikipedia (en)



OpenStreetMap data
rendered on the
browser using [Kothic JS](#)

Compare with
Mapnik

- ☐ Highlight no-names
- ☐ Highlight addressing

tile 589:328:10

134	layers styled
ms	
1658	map rendered
ms	
6542	icons/text rendered
ms	
8334	total
ms	

tile 591:328:10

102	layers styled
ms	
1767	map rendered
ms	
7010	icons/text rendered
ms	
8879	total
ms	

tile 589:329:10

138	layers styled
ms	
1804	map rendered
ms	
7699	icons/text rendered
ms	

Powered by [Leaflet](#) — Map data © 2011 OpenStreetMap contributors, Rendering by [Kothic JS](#)

Done



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Add new points by dragging onto the map

Shopping:

**Food and Drink:****Amenity:**

Tourism:



Potlatch

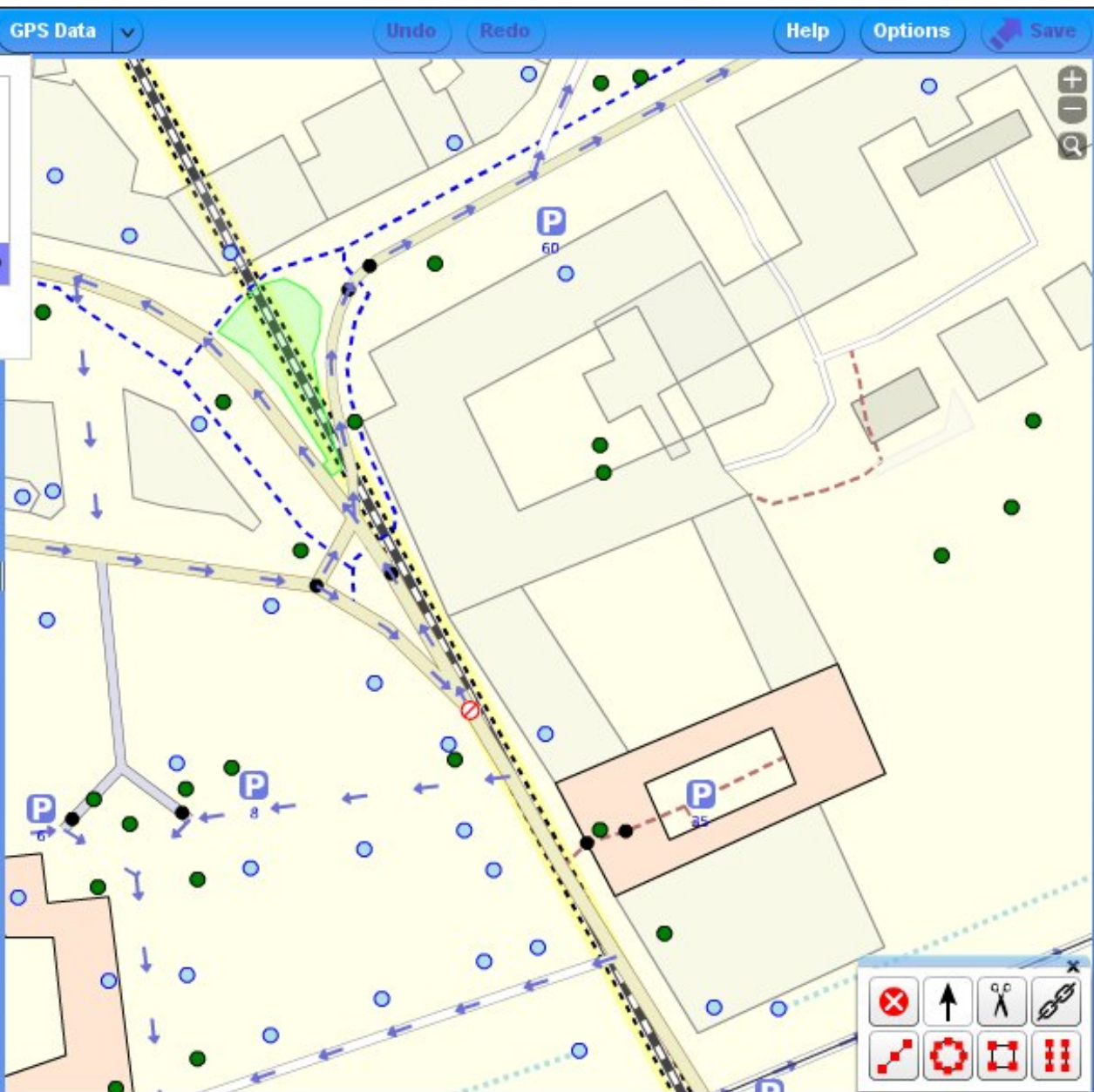
Wireframe

Enhanced

Network

OpenCycleMap

Edit...



Closing the Feedback loop



MapDust

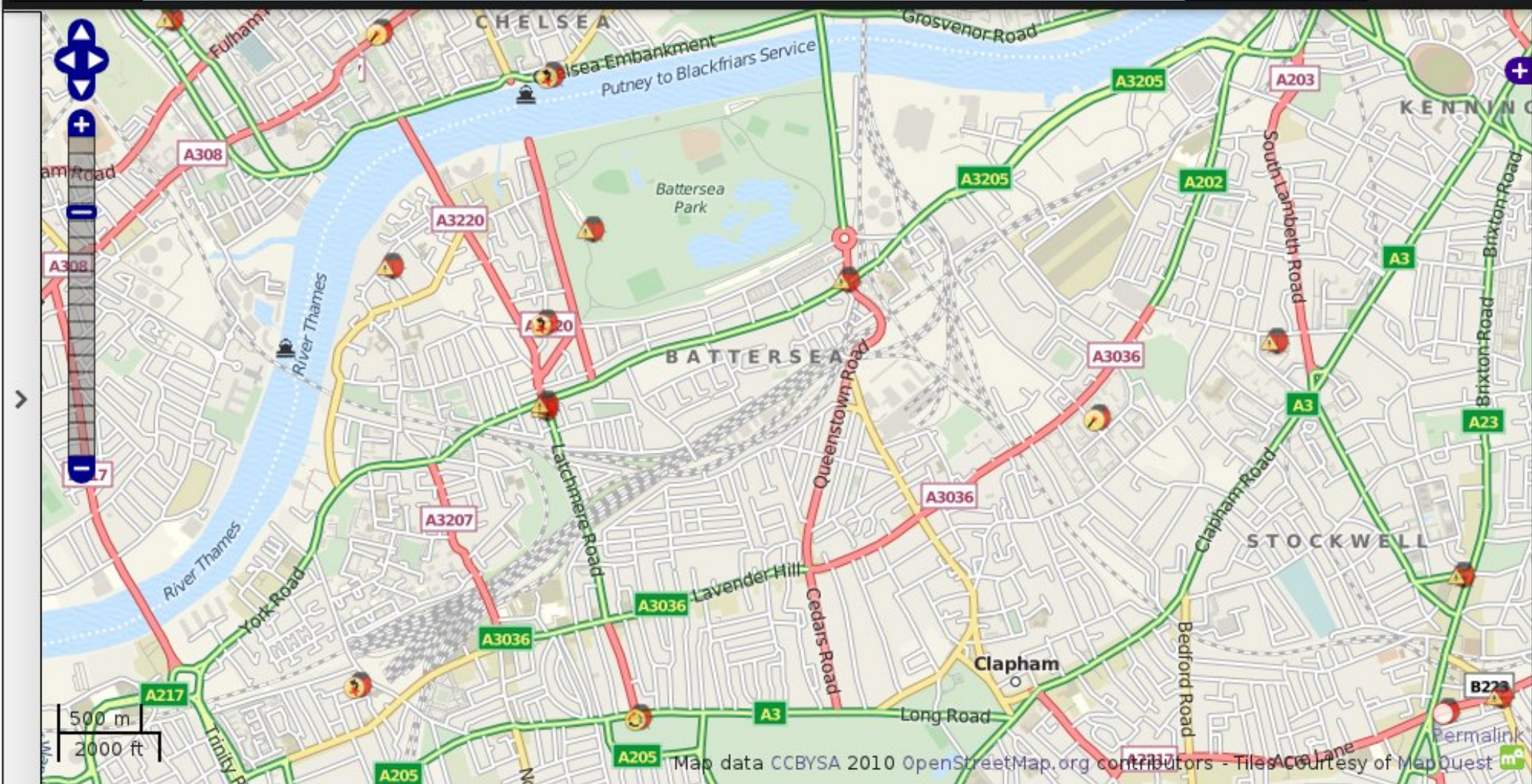
LANGUAGE: English GB ▼

Bugs near address

Find bug by ID

Address Buckingham Gate, London, UK

Search



Permalink



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**Bug 59448**

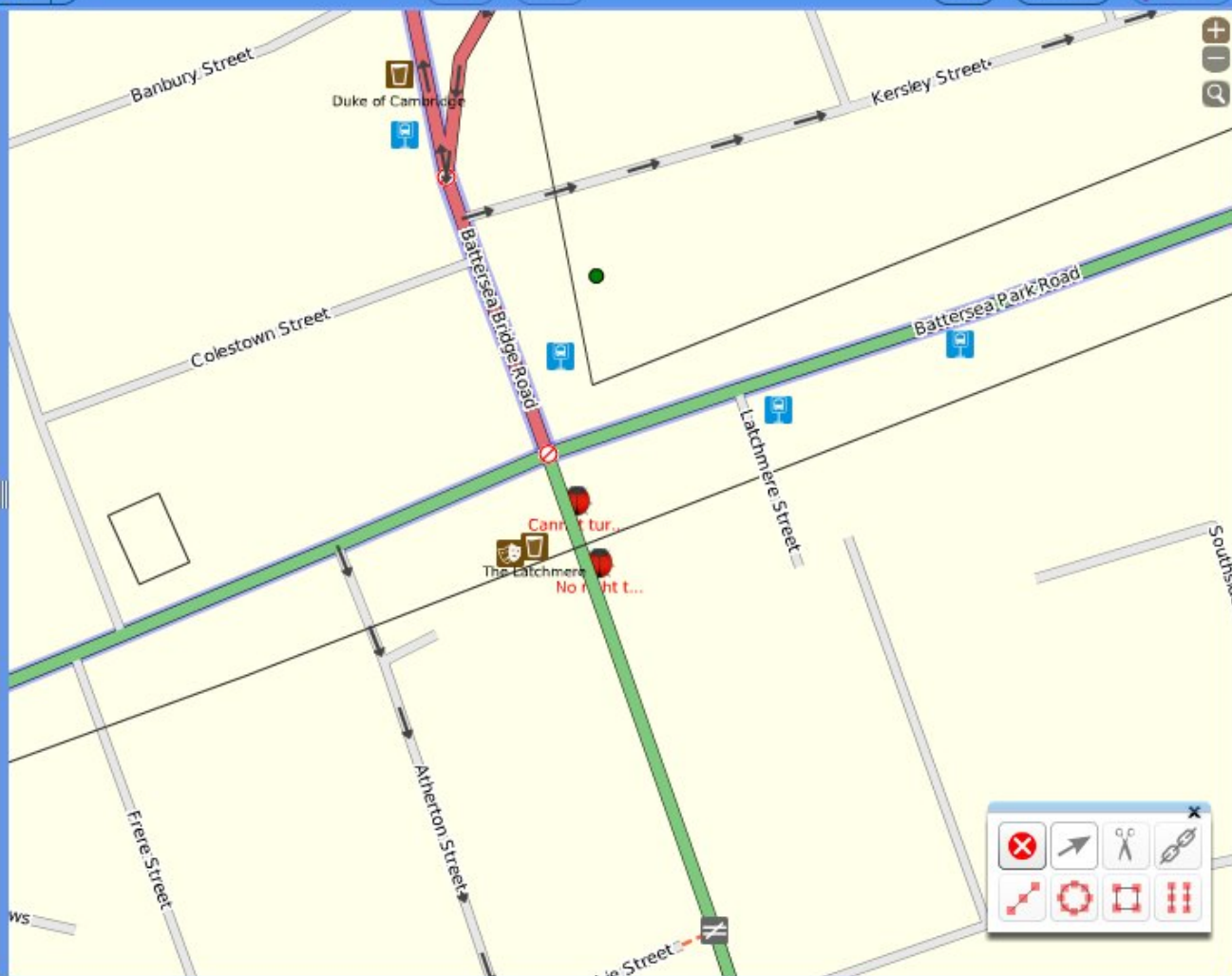
Created: Fri Aug 27 2010 02:51:34 AM

Updated: Wed Apr 6 2011 01:07:42 PM

Type of bug: other

[View full details on website...](#)

Cannot turn right at that junction

[Add Comment](#)[Close Bug](#)

Alternatives to Bulk Imports

URL: <http://everest:3333/potlatch2.swf?api=http%3A%2F%2Fapi06.dev.openstreetmap.org%2Fapi%2F0.6%2F&policy=http%3A%2F%2Fapi06.dev.o>

Background Map Style GPS data

Stamps

Ruler

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Add new points by dragging them onto the map

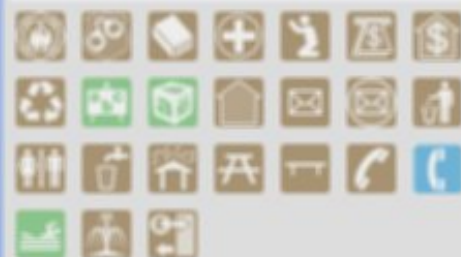
Shopping:



Food and Drink:



Amenity:



Tourism:



Accommodation:



Transport:



Load vector file



Show?	Select?	Name	URL	Style
☐	☐	Bike Shop Locator - Mis	http://shaunmcdonald.d	
☒	☒	Mapdust Bugs	http://www.mapdust.com	Bugs
☒	☒	Main	http://api06.dev.openstre	Potlatch

Delete

Add new vector layer

☒ GPX ☐ KML ☐ OSM ☐ ShapefileShapefile projection: Lat/long ☒ Simplify pathsURL: 

Deploy Custom Instances

Choose starting point

Move the map near:

Start editing in this location:

[Edit here \(live OpenStreetMap\)](#)





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[Map editing](#) [OSM introduction](#) [OSM tutorial](#) [Choose starting point](#) [Editor \(OpenStreetMap data\)](#)

Edit OpenStreetMap map data

Welcome to Potlatch2 for CycleStreets

Welcome Controls Adding Edit (Beg.) Edit (Adv.) Tag Shortcuts

Potlatch2 is an OpenStreetMap (OSM) editor that allows you to make edits directly through the CycleStreets website.

Why OpenStreetMap? OSM is a mapping service in which all data is constantly updated and edited by everyday people like you. The obvious benefit is that it's free to use, but it has also become a major player in crisis mapping (e.g. use of OSM data to coordinate earthquake relief efforts in Haiti). Accuracy of this data is critical, and we hope you are able to volunteer some of your time!

Getting Started

- + For active OpenStreetMap members, please sign in to OSM before editing
- + For new members, please visit <http://www.openstreetmap.org> to create an account, log in, then return here to allow access to Potlatch 2 and begin editing.

Version: 0.5 Build: 25120

Ok

Powered by Potlatch 2, the new OpenStreetMap editor.

Neue Punkte durch Ziehen auf die Karte hinzufügen

Reiten und Wandern:



Topographie und Landmarken:



Historische Gebäude:



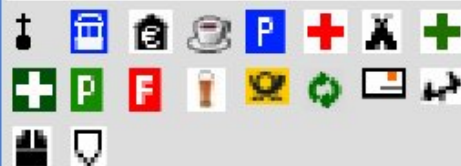
Essen:



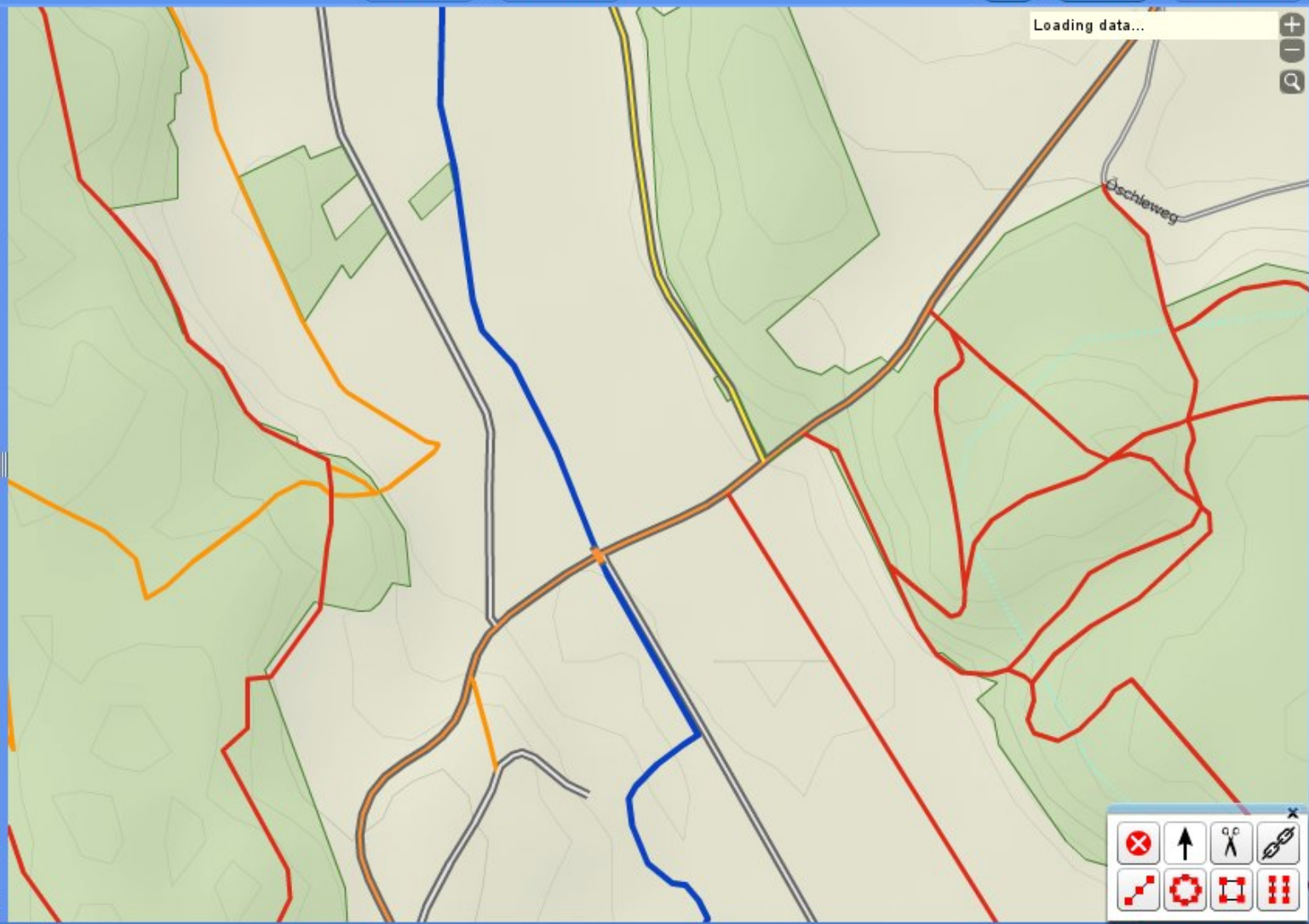
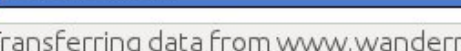
Hindernisse:



Einrichtungen, Gebäude:



Verkehrsmittel:



UI Feedback – UCL visits



Development basics

potlatch-dev@openstreetmap.org

fork us at

<https://github.com/systemed/potlatch2.git>

wiki.openstreetmap.org/wiki/Potlatch2

We need your help!



YOU?



Documentation

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[net.systemeD.halcyon.connection.actions](#)
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[net.systemeD.potlatch2.collections](#)
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[net.systemeD.potlatch2.mygpx](#)

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[AddNodeToWayAction](#)
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[AMFCounter](#)
[AttentionEvent](#)
[AutoComplete](#)
[BackgroundDialog](#)
[BackgroundDialog_inlineComponent1](#)
[BackgroundPanel](#)
[BackgroundSelector](#)
[BeginWayAction](#)
[BikeShopConnection](#)
[BikeShopLoader](#)
[BugConnection](#)
[BugLoader](#)
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[CategorySelector_inlineComponent1](#)
[Changeset](#)

Halcyon and Potlatch2 Developer documentation

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All Packages

Package	Description
net.systemeD.controls	Custom-built controls used in Potlatch2
net.systemeD.halcyon	The AS3 rendering library
net.systemeD.halcyon.connection	The connection to the main OSM server, and the entities
net.systemeD.halcyon.connection.actions	The undoable actions that apply to OSM data
net.systemeD.halcyon.styleparser	The logic for parsing MapCSS stylesheets
net.systemeD.potlatch2	The OpenStreetMap editor
net.systemeD.potlatch2.collections	Singletons for handling collections loaded from config files
net.systemeD.potlatch2.controller	The various controller states that p2 can be in
net.systemeD.potlatch2.find	The search dialog for jumping to another place
net.systemeD.potlatch2.help	The Help dialog
net.systemeD.potlatch2.mapfeatures	The engine behind the mapfeatures parsing
net.systemeD.potlatch2.mapfeatures.editors	The various widgets used in the Simple panel
net.systemeD.potlatch2.mygpx	The dialog for loading GPX files from the server
net.systemeD.potlatch2.options	The options dialog
net.systemeD.potlatch2.panels	The panels for the left-hand pane of p2
net.systemeD.potlatch2.save	The save dialog and SaveManager
net.systemeD.potlatch2.tools	Data manipulation tools
net.systemeD.potlatch2.utils	Data loading utilities

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[Find out more about OpenStreetMap's upcoming license change \(translations\) \(discussion\)](#)[\[dismiss\]](#)

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Missing languages

[show](#)

Potlatch, the Online Editor

[\[edit\]](#)

Potlatch is an editor for OSM data. It is recommended for beginners. To use it, you first must sign in or register (see the top right of the Potlatch screen for the "log in" and "sign up" links). Then, to start, navigate to a map location on www.openstreetmap.org and click on the 'Edit' tab along the top of the screen.

There are several places to get help about using Potlatch:

- The online help of potlatch itself
- [These video screencasts](#) on how to use OSM and Potlatch.
- [Potlatch/Primer](#)

Some tips

[\[edit\]](#)

- It is important to allow data to load, before presuming it isn't there. A relatively common mistake is to duplicate data by adding, before it's clear what's already been added.
- Be sure to check if something is where it is for a reason before shifting it to a seemingly better location.
- At the bottom left of the editing page, the centre bottom button allows you to view GPS data. Shortcut 'G'.

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- [1.1.1 - GPS](#)
- [1.1.2 - Tracing aerial imagery](#)
- [1.2 - Upload data](#)
- [1.2.1 - Save your files to GPX](#)
- [1.2.2 - Uploading Data](#)
- [1.3 - Edit maps](#)
- [1.3.1 - General tips](#)
- [1.3.2 - Potlatch](#)**
- [1.3.3 - JOSM](#)
- [1.3.3.1 - Downloading Into JOSM](#)
- [1.3.3.2 - First basic road](#)
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Thank You!

Andy Allan

www.gravitystorm.co.uk

www.opencyclemap.org

nottingham

OpenStreetMap

CC-by-SA www.itoworld.com
Map data www.openstreetmap.org 14 Nov 2010