



# Open Street Map

**Jochen Topf**  
Geofabrik GmbH

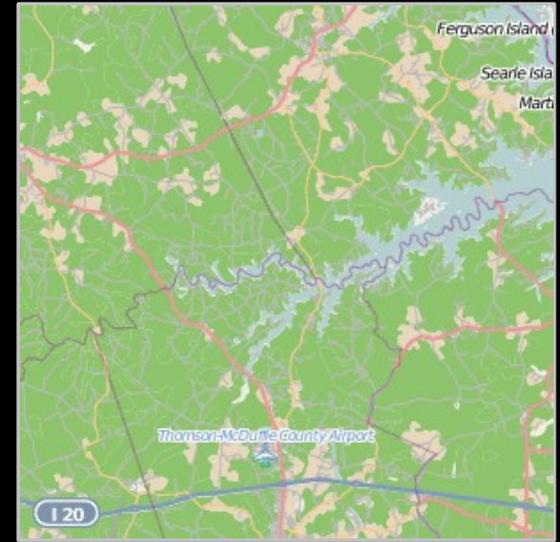
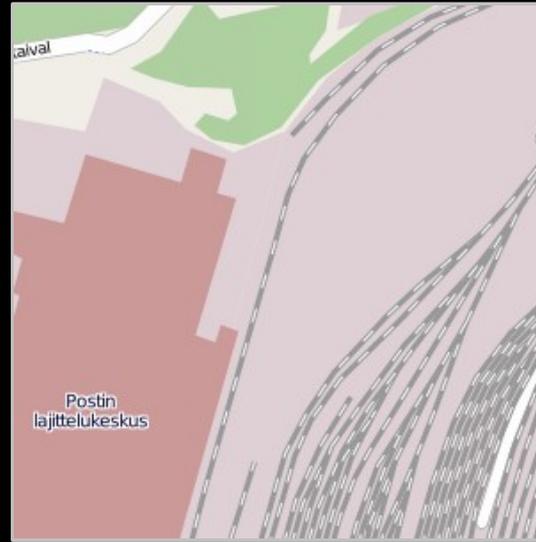
**Eine Karte der ganzen Welt**



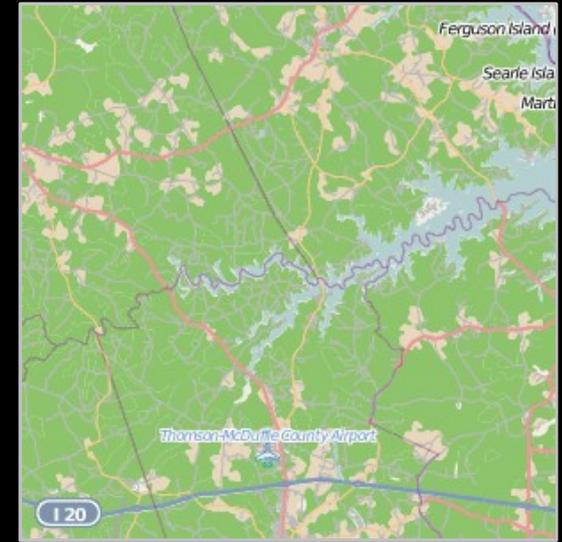
**Eine Karte der ganzen Welt**



**Eine Karte der ganzen Welt**



**Eine Karte der ganzen Welt**



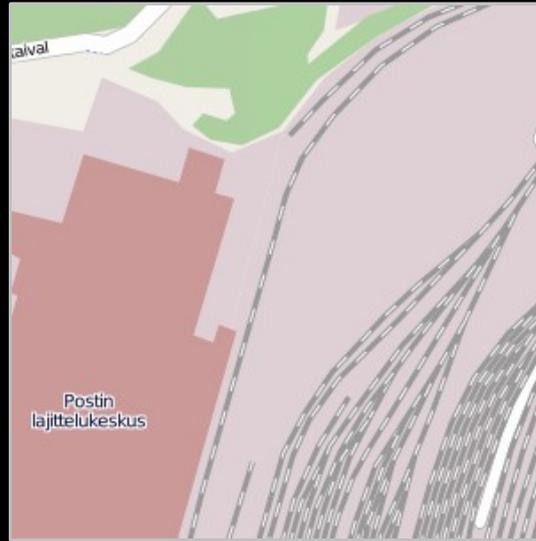
# Eine Karte der ganzen Welt



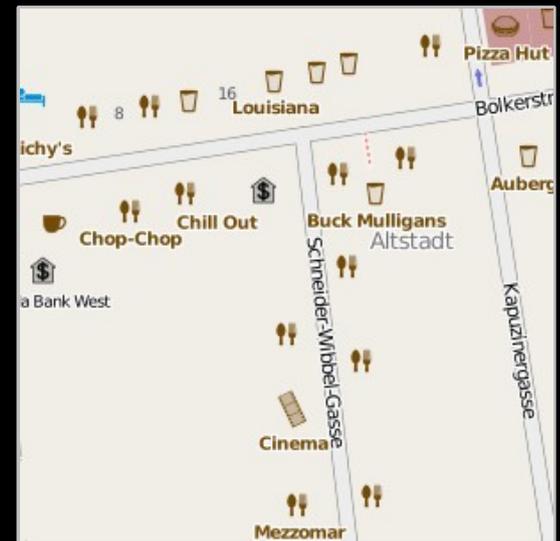


# Eine Karte der ganzen Welt





# Eine Karte der ganzen Welt





Maps-Suche

[Suchoptionen anzeigen](#)

Unternehmen, Adressen und interessante Orte finden. [Weitere Informationen](#)

[Route berechnen](#) [Meine Karten](#)

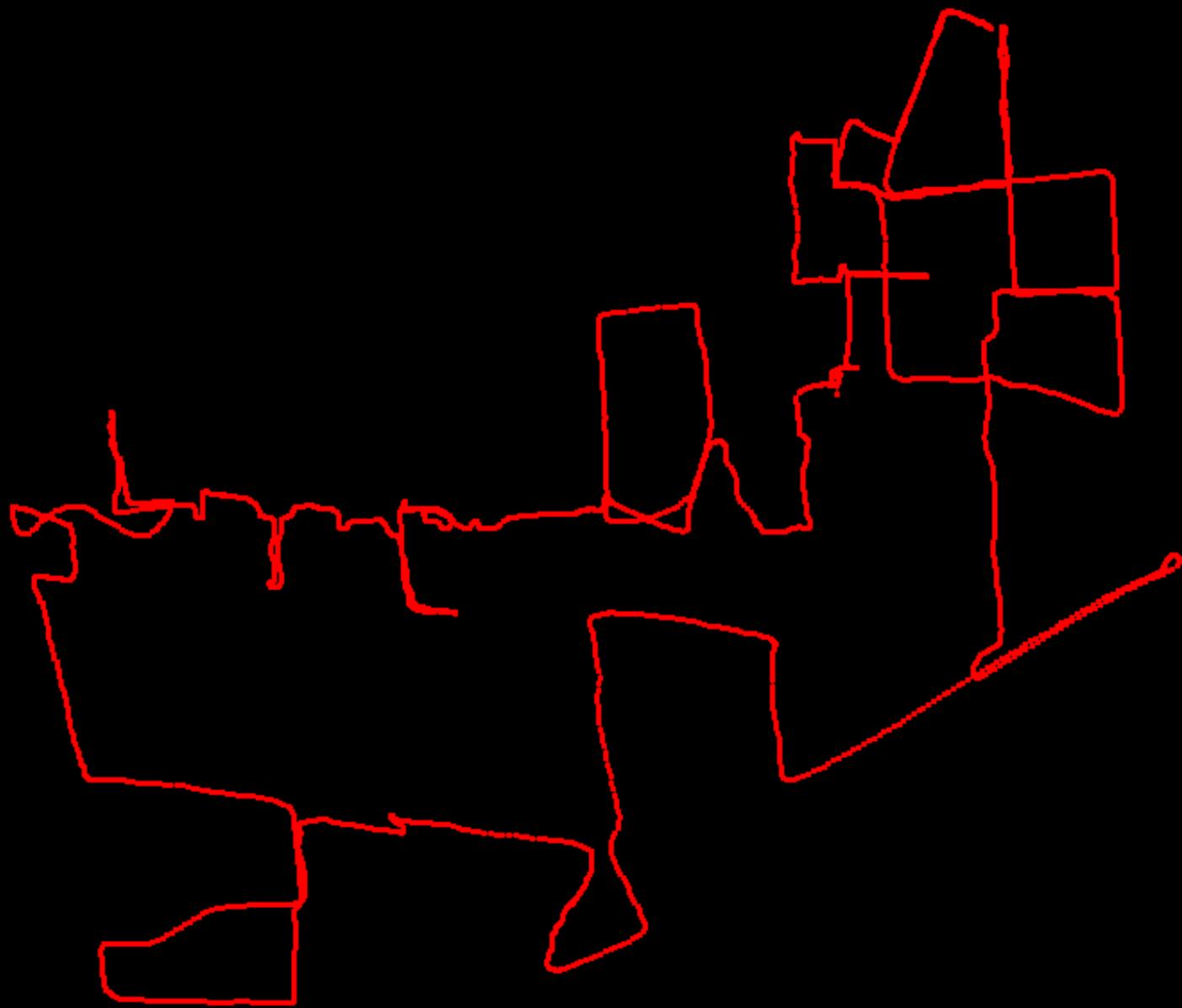
[Drucken](#) [Senden](#) [Link](#)

[Standardstandort festlegen](#)

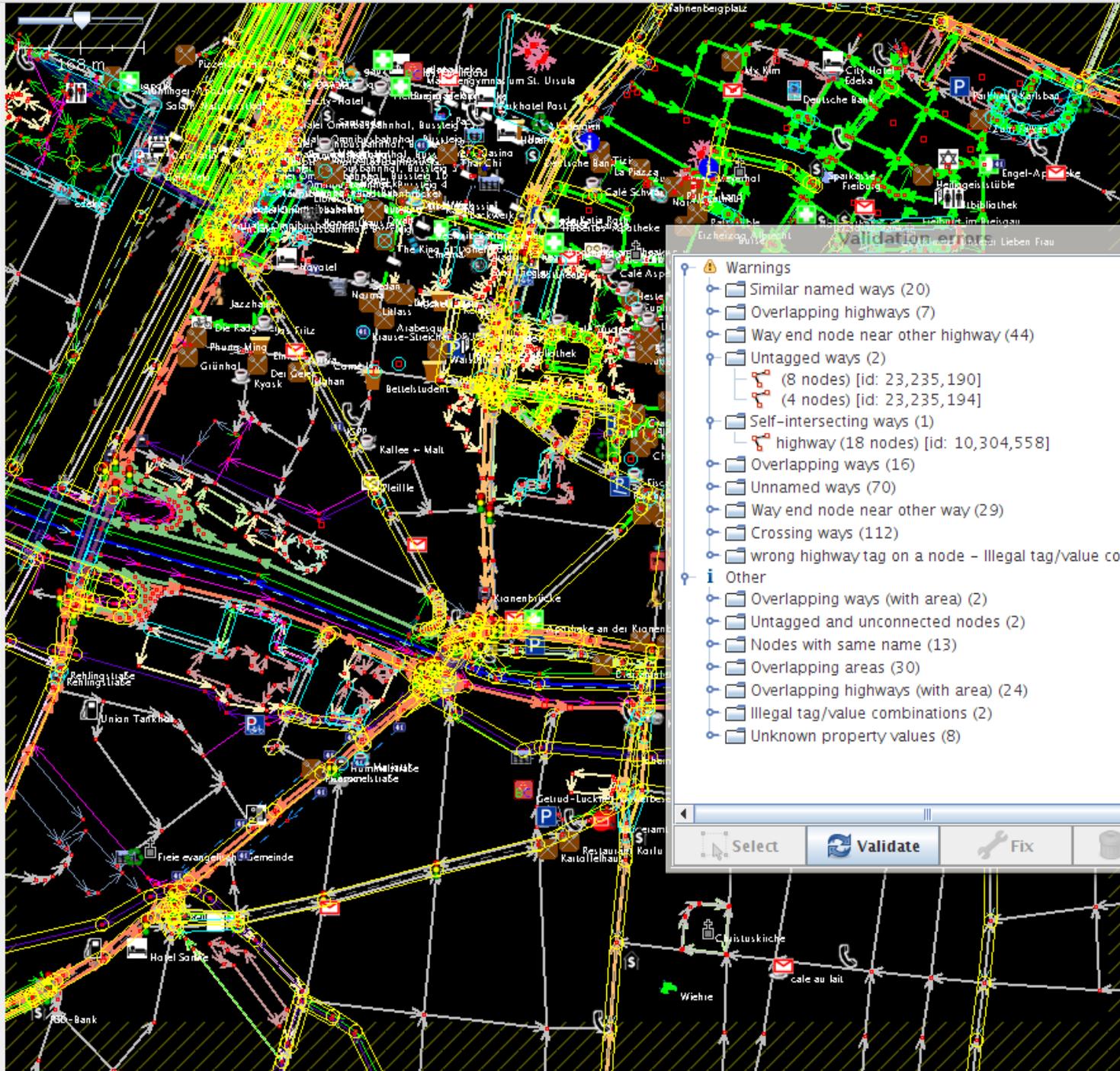
Bringen Sie [Ihr Unternehmen auf Google Maps](#).  
Schalten Sie [Anzeigen auf Google Maps](#).











Layers

- Validation errors
- unnamed

Properties/Memberships

Key	Value

validation errors

- Warnings
  - Similar named ways (20)
  - Overlapping highways (7)
  - Way end node near other highway (44)
  - Untagged ways (2)
    - (8 nodes) [id: 23,235,190]
    - (4 nodes) [id: 23,235,194]
  - Self-intersecting ways (1)
    - highway (18 nodes) [id: 10,304,558]
  - Overlapping ways (16)
  - Unnamed ways (70)
  - Way end node near other way (29)
  - Crossing ways (112)
  - wrong highway tag on a node - illegal tag/value combinations
- Other
  - Overlapping ways (with area) (2)
  - Untagged and unconnected nodes (2)
  - Nodes with same name (13)
  - Overlapping areas (30)
  - Overlapping highways (with area) (24)
  - Illegal tag/value combinations (2)
  - Unknown property values (8)

Select Validate Fix Ignore

Relations

- associatedStreet (15 members) [id: 68,751]
- multipolygon ("Altstadt", 8 members) [id: 55,2...]
- multipolygon ("Augustinermuseum", 4 membe...)
- multipolygon ("Neuburg", 10 members) [id: 55...]
- multipolygon ("Neues Rathaus", 2 members) [id: ...]

New Select Edit Delete

**OpenStreetMap**



The Free Wiki World Map

**Help & Wiki**  
[Users' diaries](#)  
[News blog](#)  
[Shop](#)

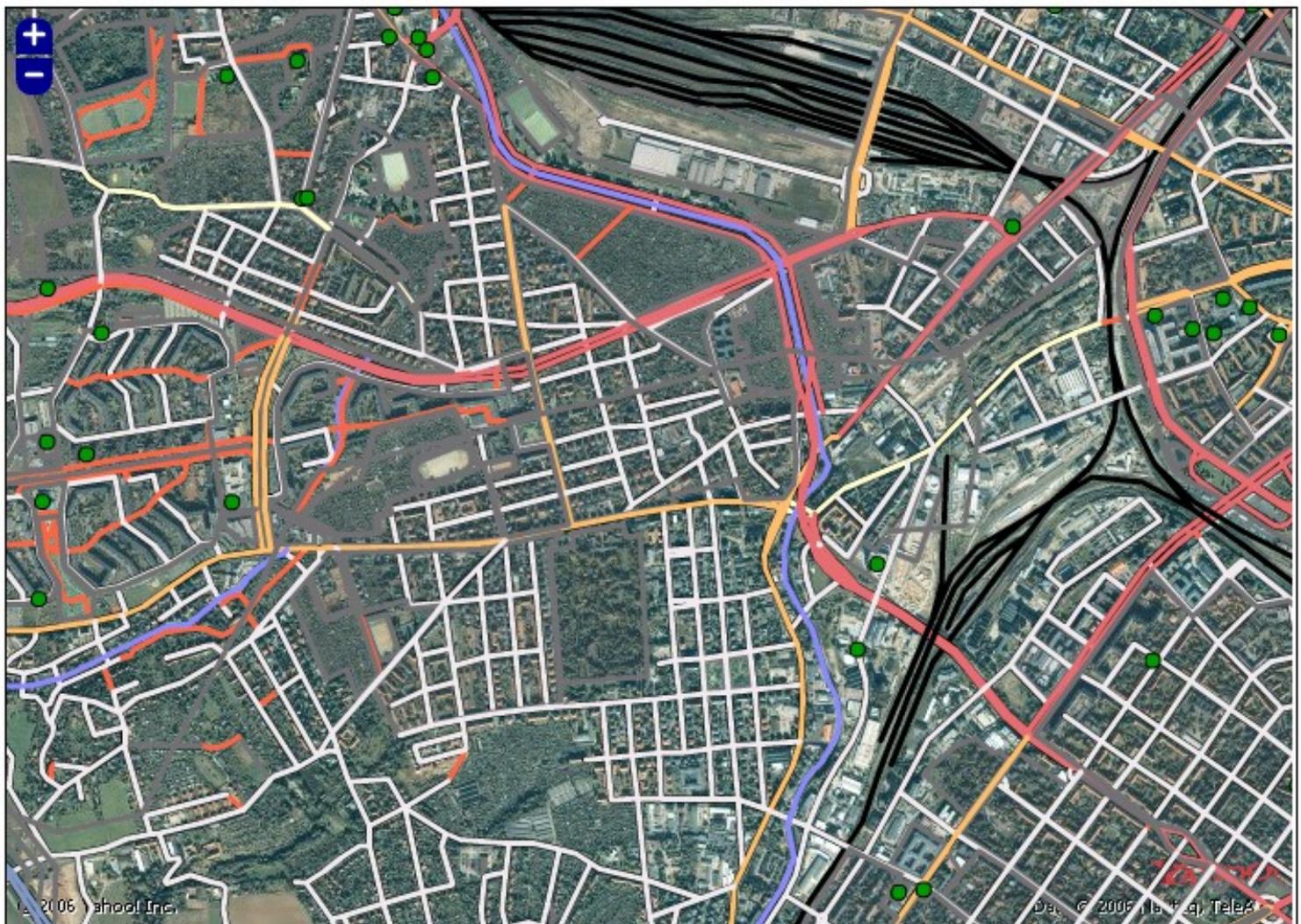
**Search** [Where am I?](#)

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



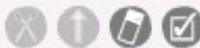
**View** **Edit** **GPS traces**

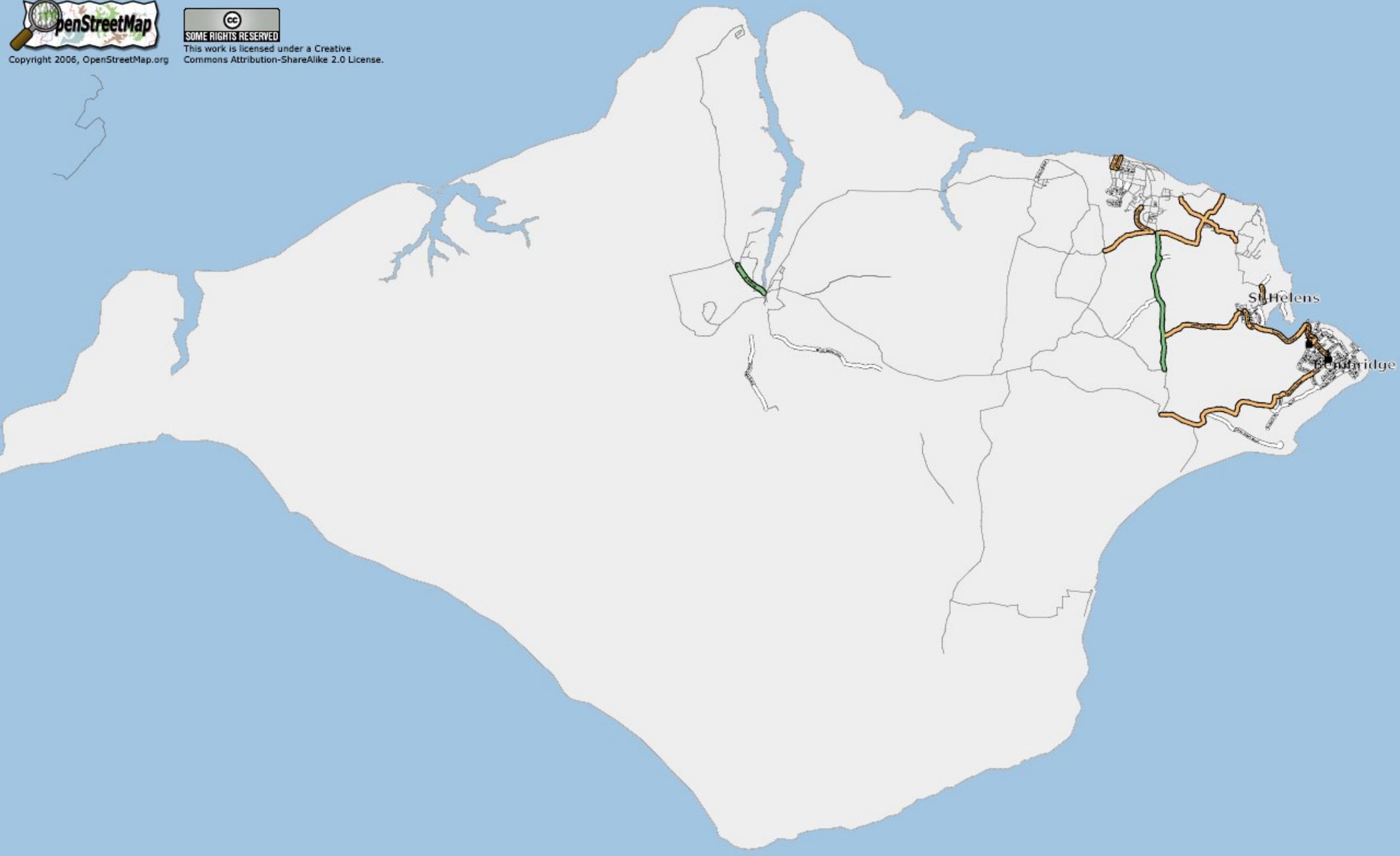
Welcome, woodpeck | [home](#) | [inbox \(4\)](#) | [logout](#)



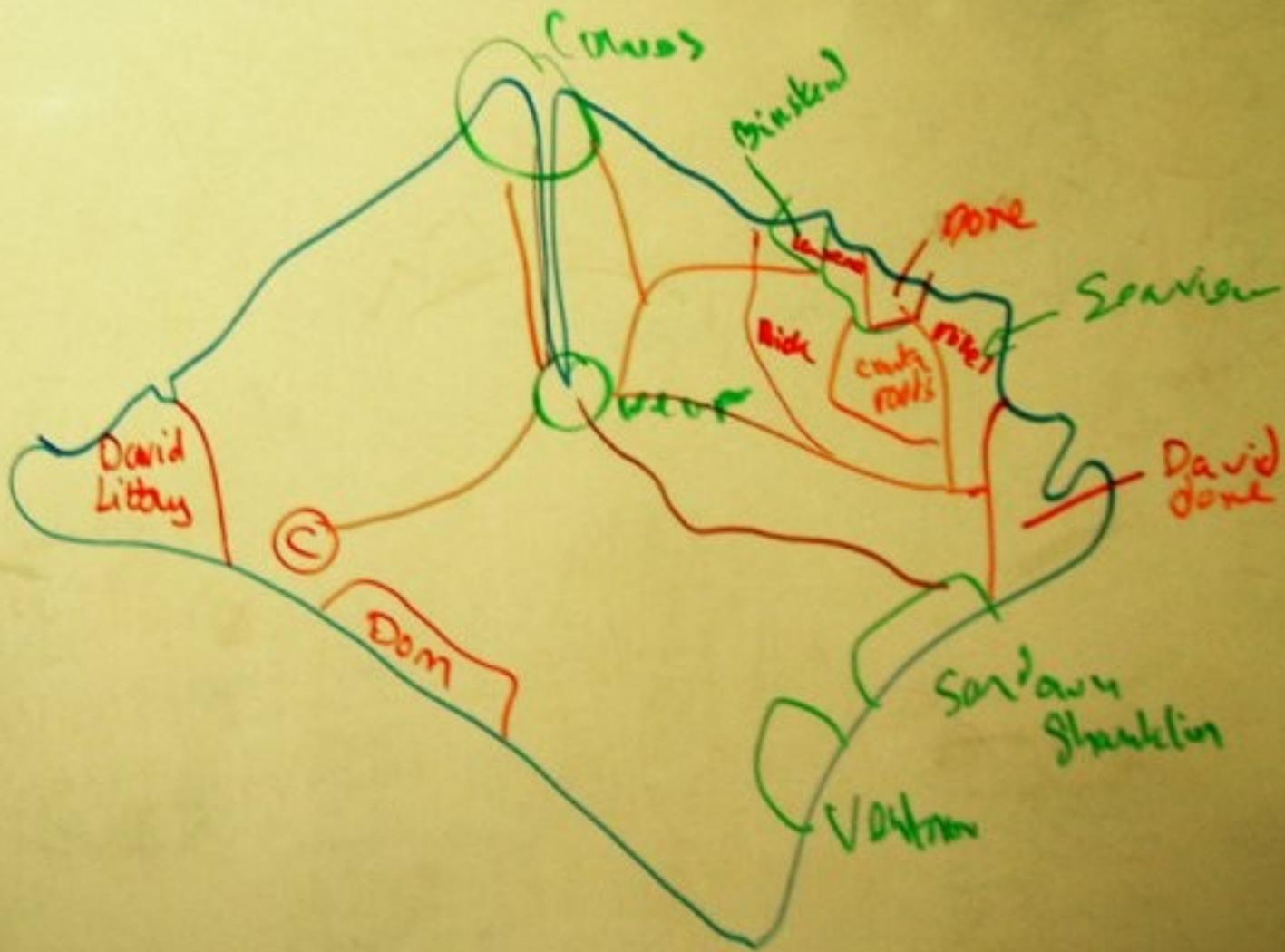
**Welcome to OpenStreetMap**  
 Potlatch 0.6a

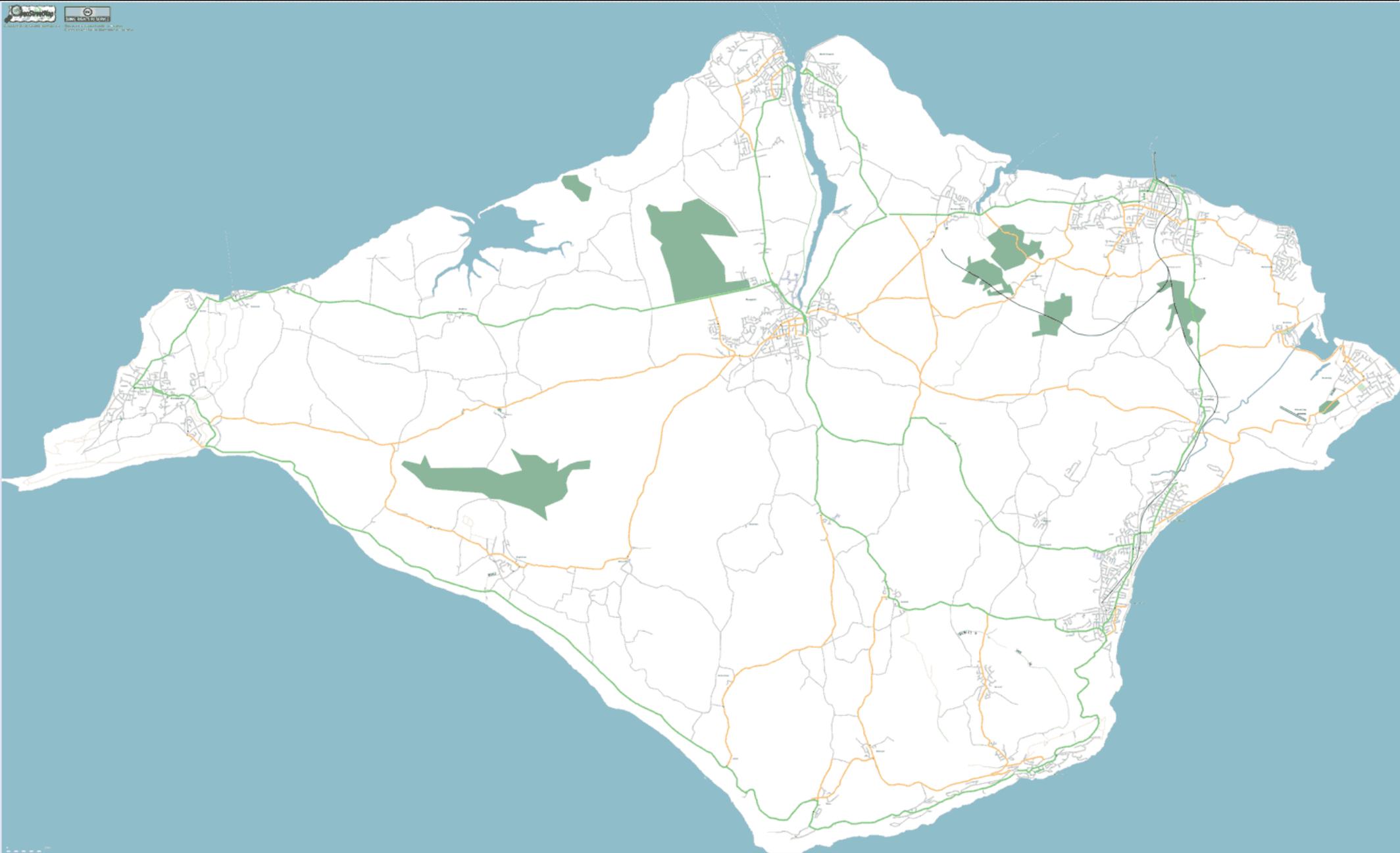
- Start** Start mapping with OpenStreetMap.
- Play** Practice mapping - your changes won't be saved.
- Help** Find out how to use Potlatch, this map editor.



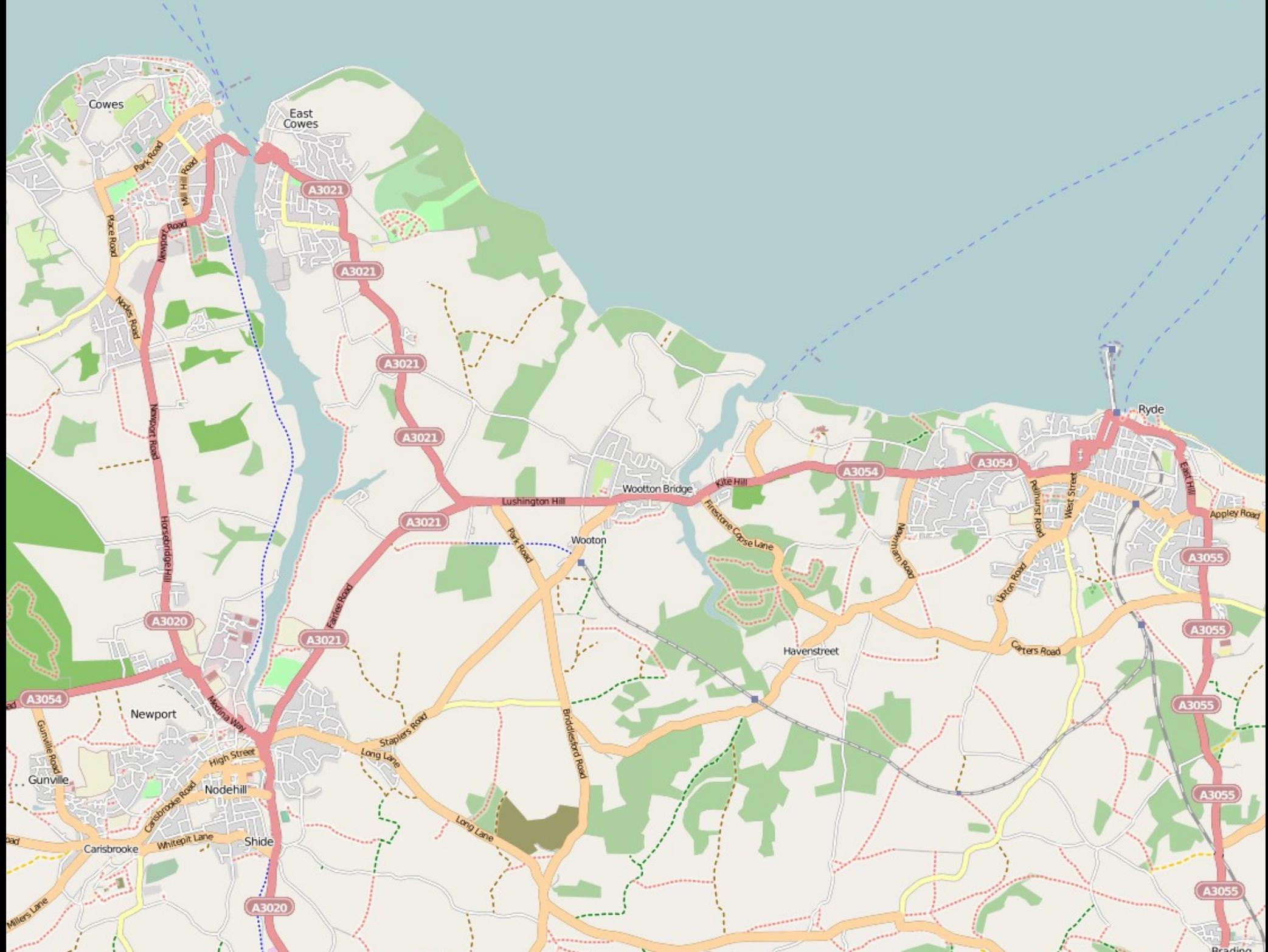


# Isle of Wight (Mai 2006)





**Isle of Wight (Sep. 2006)**



Cowes

East Cowes

A3021

A3021

A3021

A3021

A3021

A3020

A3021

A3054

A3054

A3055

A3055

A3055

A3055

A3055

Newport

Ryde

Wootton Bridge

Wootton

Havenstreet

Gunville

Nodehill

Carisbrooke

Shide

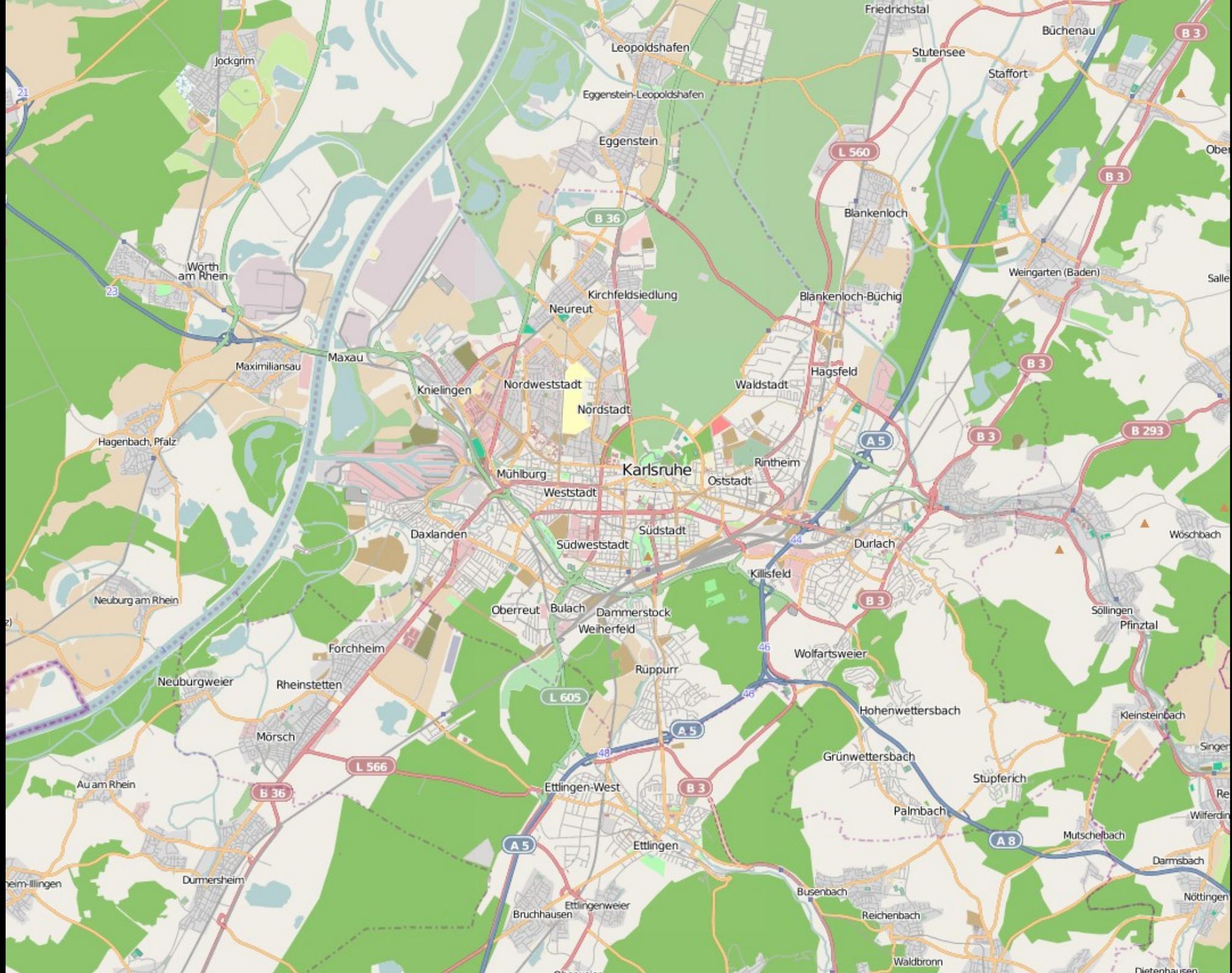
Brading

Park Road  
Will Hill Road  
Newlands Road  
Nokes Road  
Newport Road  
Horsden Hill

Gunville Road  
High Street  
Carisbrooke Road  
Whitepit Lane  
Millers Lane

Lushington Hill  
Rox Road  
Fairtree Road  
Staplers Road  
Long Lane  
Burdens Road  
Wootton Hill  
Firestone Course Lane  
Meadow Road  
Cotters Road

East Hill  
Appley Road  
West Street  
Cotters Road



Jockgrim

Leopoldshafen

Stutensee

Büchenau

Staffort

Wörth am Rhein

Eggenstein

Blankenloch

Weingarten (Baden)

Maximiliansau

Maxau

Kirchfeldsiedlung

Neureut

Blankenloch-Büchig

Hagsfeld

Knielingen

Nordweststadt

Waldstadt

Nördstadt

Hagenbach, Pfalz

Mühlburg

Karlsruhe

Rintheim

Oststadt

Weststadt

Südweststadt

Südstadt

Durlach

Neuburg am Rhein

Daxlanden

Oberreut

Bulach

Dammerstock

Weherfeld

Wolfartsweiler

Söllingen

Pfintztal

Forchheim

Neuburgweiler

Rheinstetten

Rüppurr

Hohenwettersbach

Kleinsteinbach

Mörsch

L 566

Ettingen-West

B 3

Wolfartsweiler

Grünwettersbach

Stupferich

Mutschelbach

Au am Rhein

B 36

A 5

Ettingen

A 8

Darmsbach

heim-illingen

Dummersheim

Bruchhausen

Ettingenweiler

Busenbach

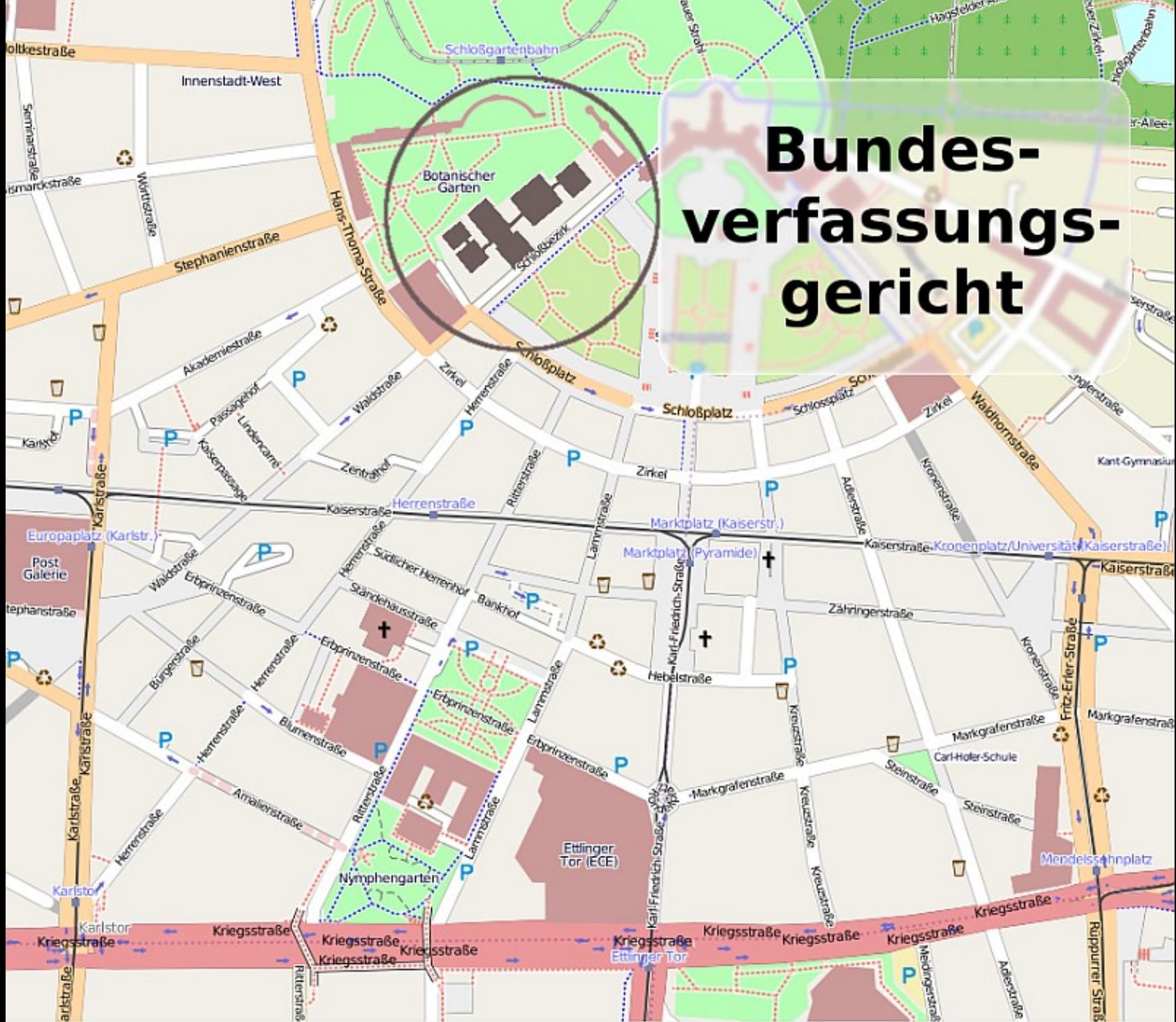
Reichenbach

Nöttingen

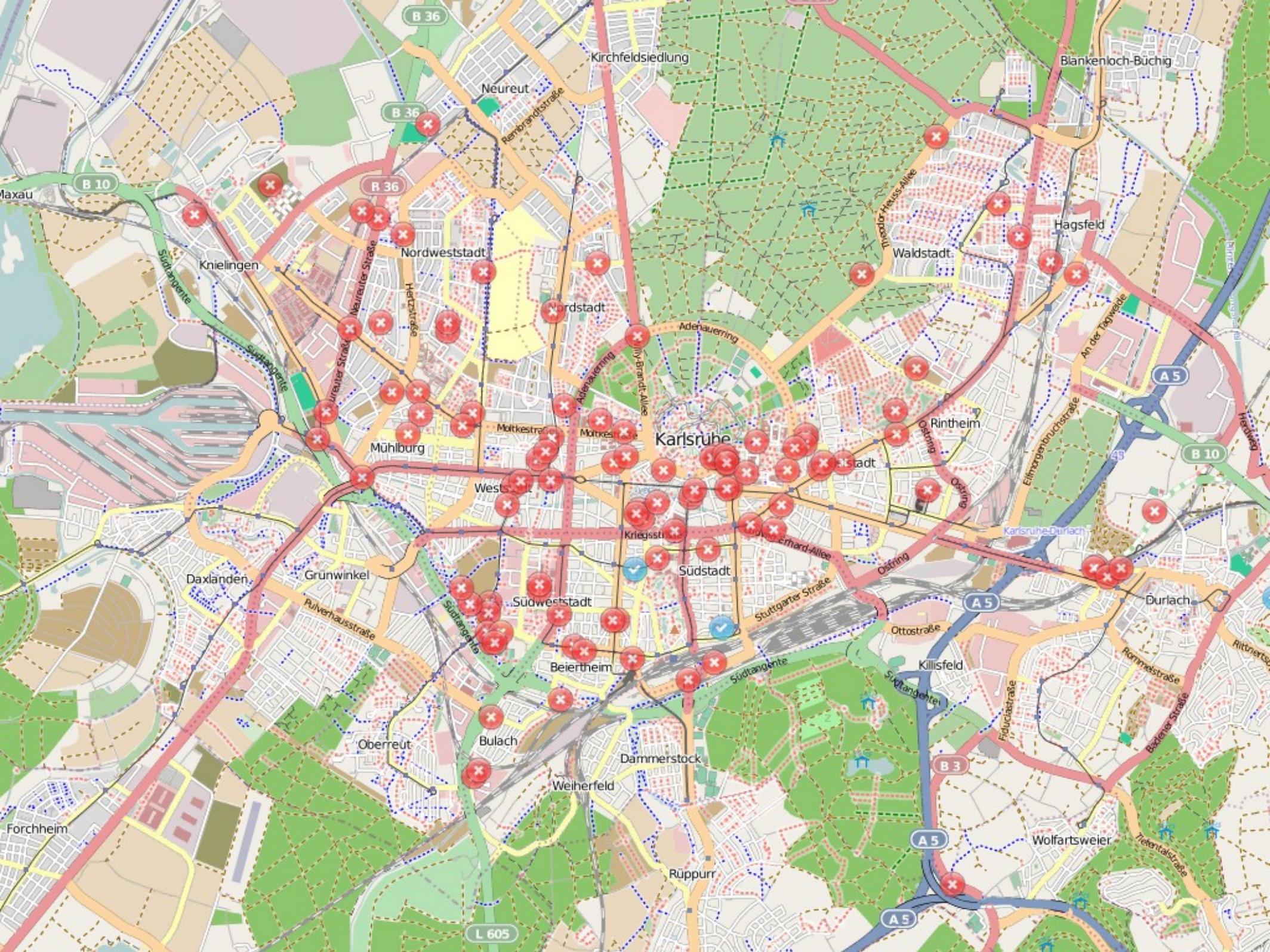
Oberrhein

Waldbronn

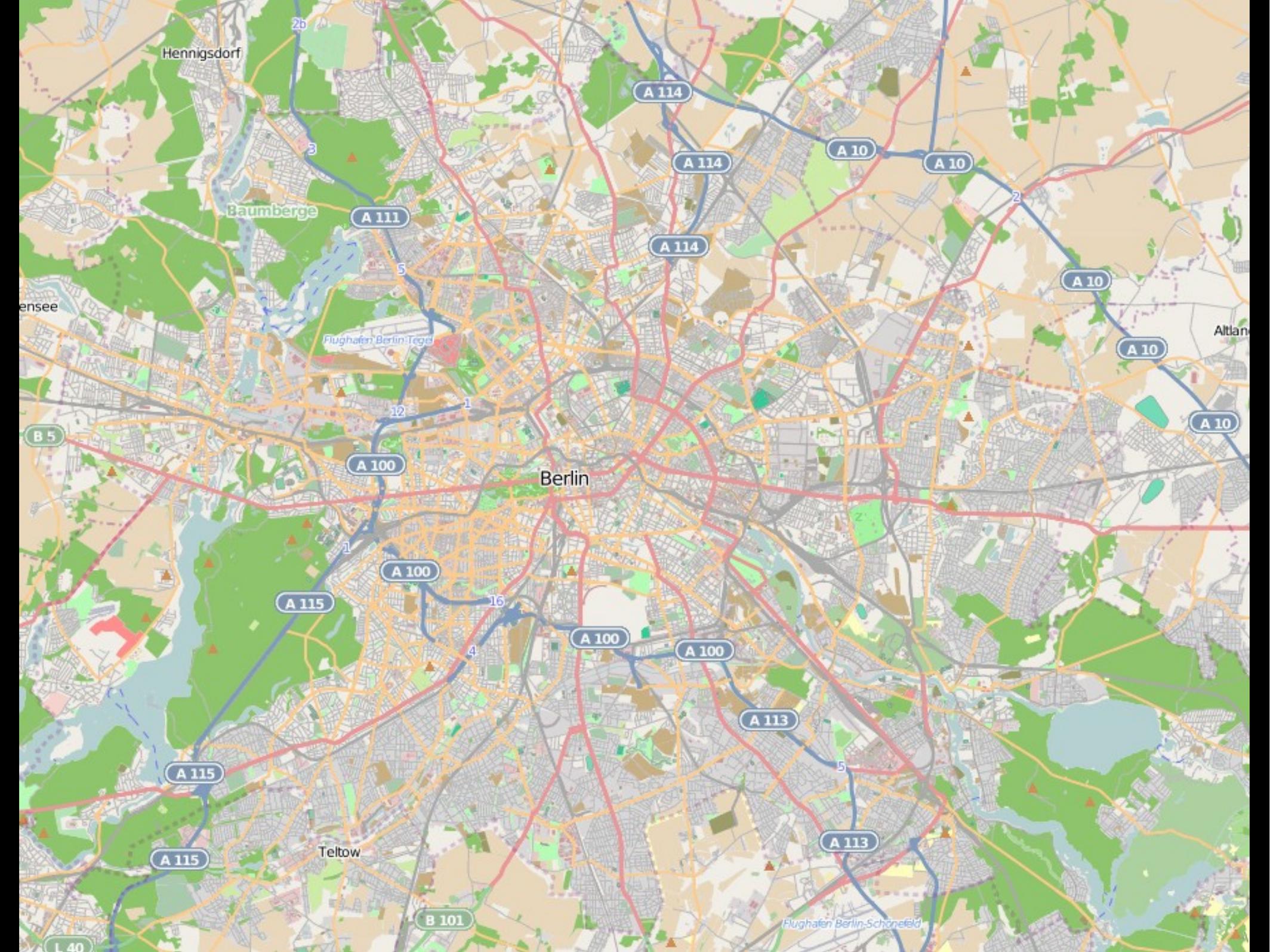
Dietzenhausen



[www.bundesverfassungsgericht.de](http://www.bundesverfassungsgericht.de)







Hennigsdorf

Baumberge

Flughafen Berlin-Tegel

Berlin

Teltow

Flughafen Berlin-Schönefeld

Allan

2b

3

A 111

A 114

A 114

A 10

A 10

2

A 10

A 10

A 10

B 5

A 100

1

A 100

A 115

16

A 100

A 100

A 113

4

A 113

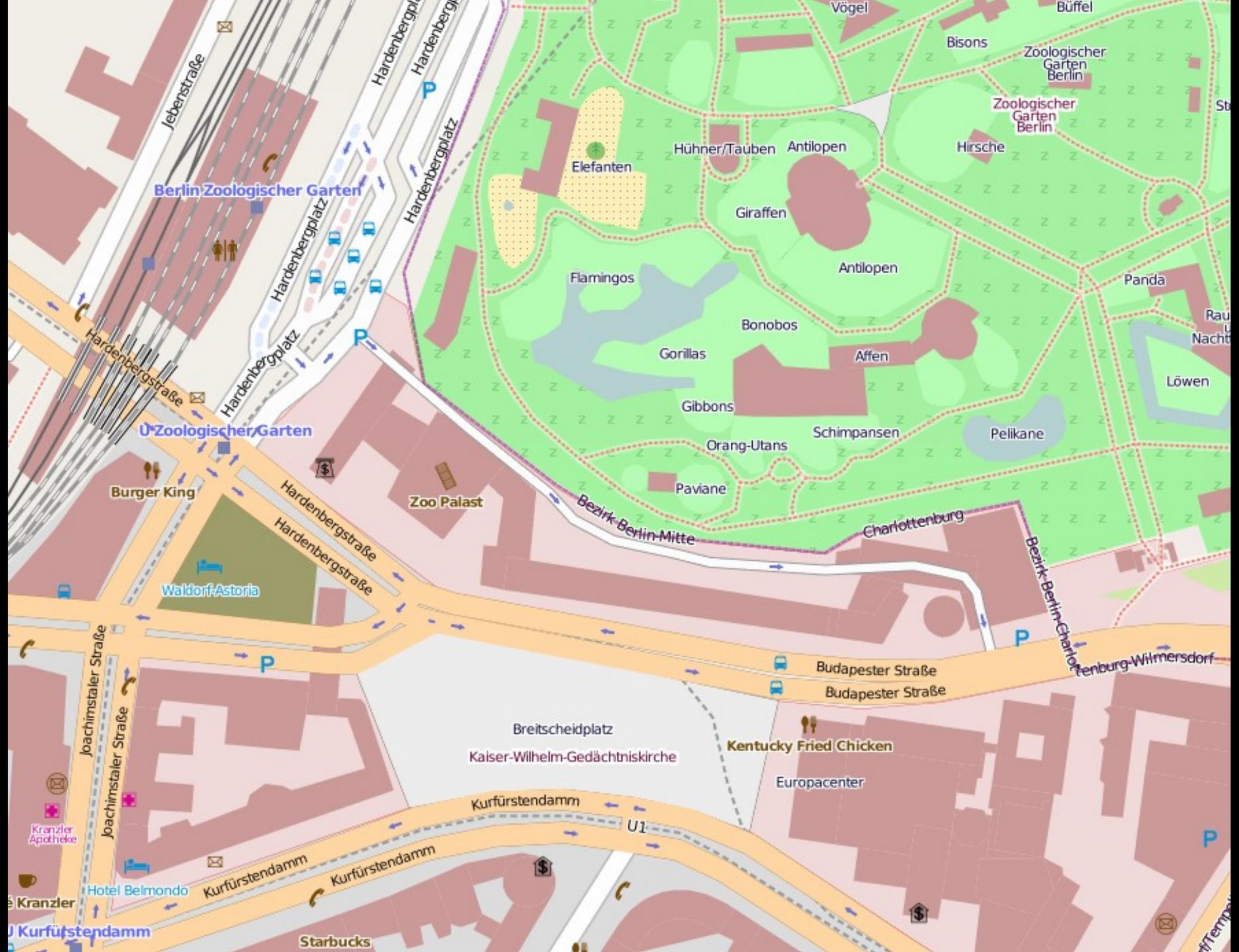
A 115

A 115

B 101

L 40

5

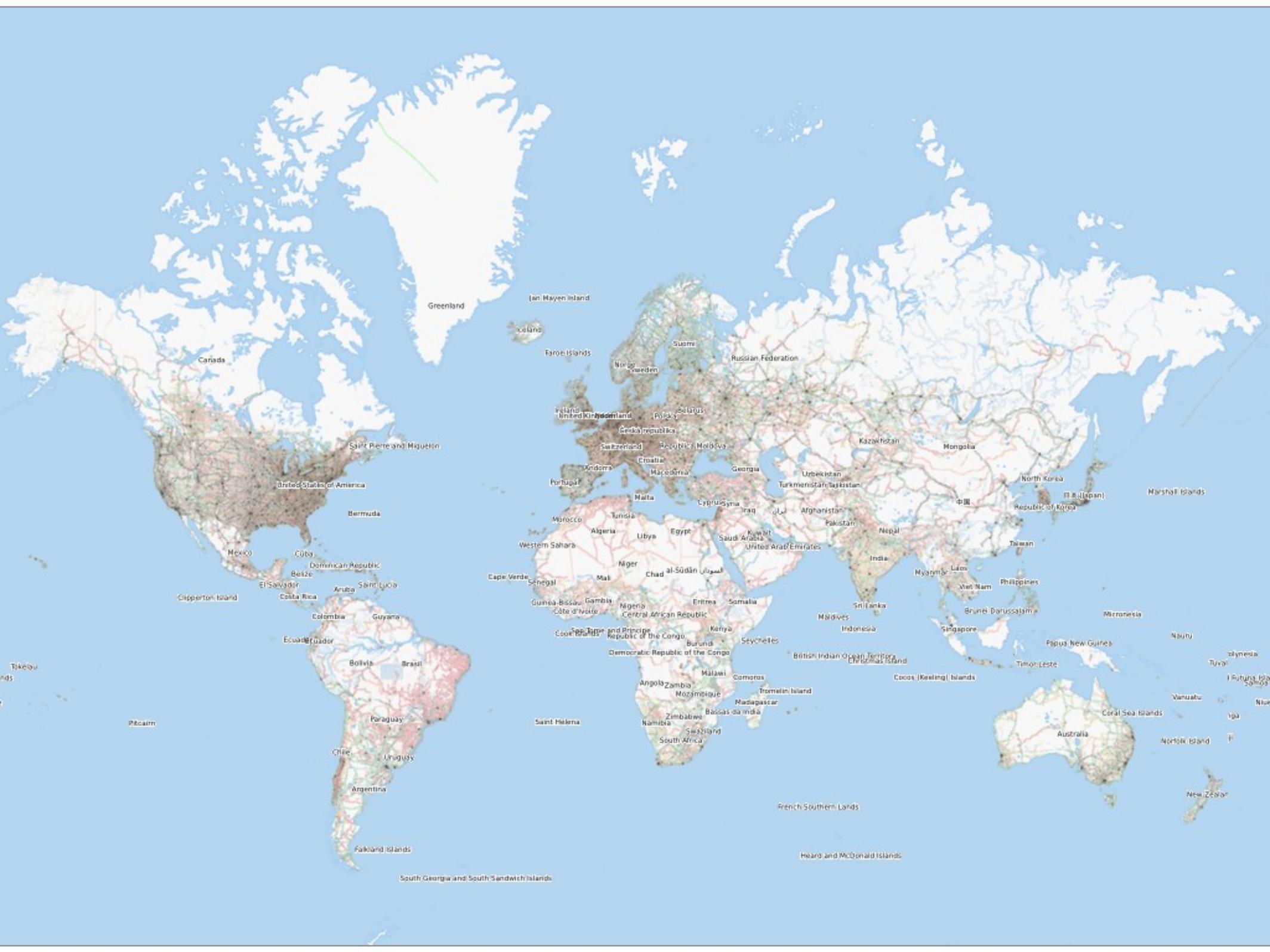


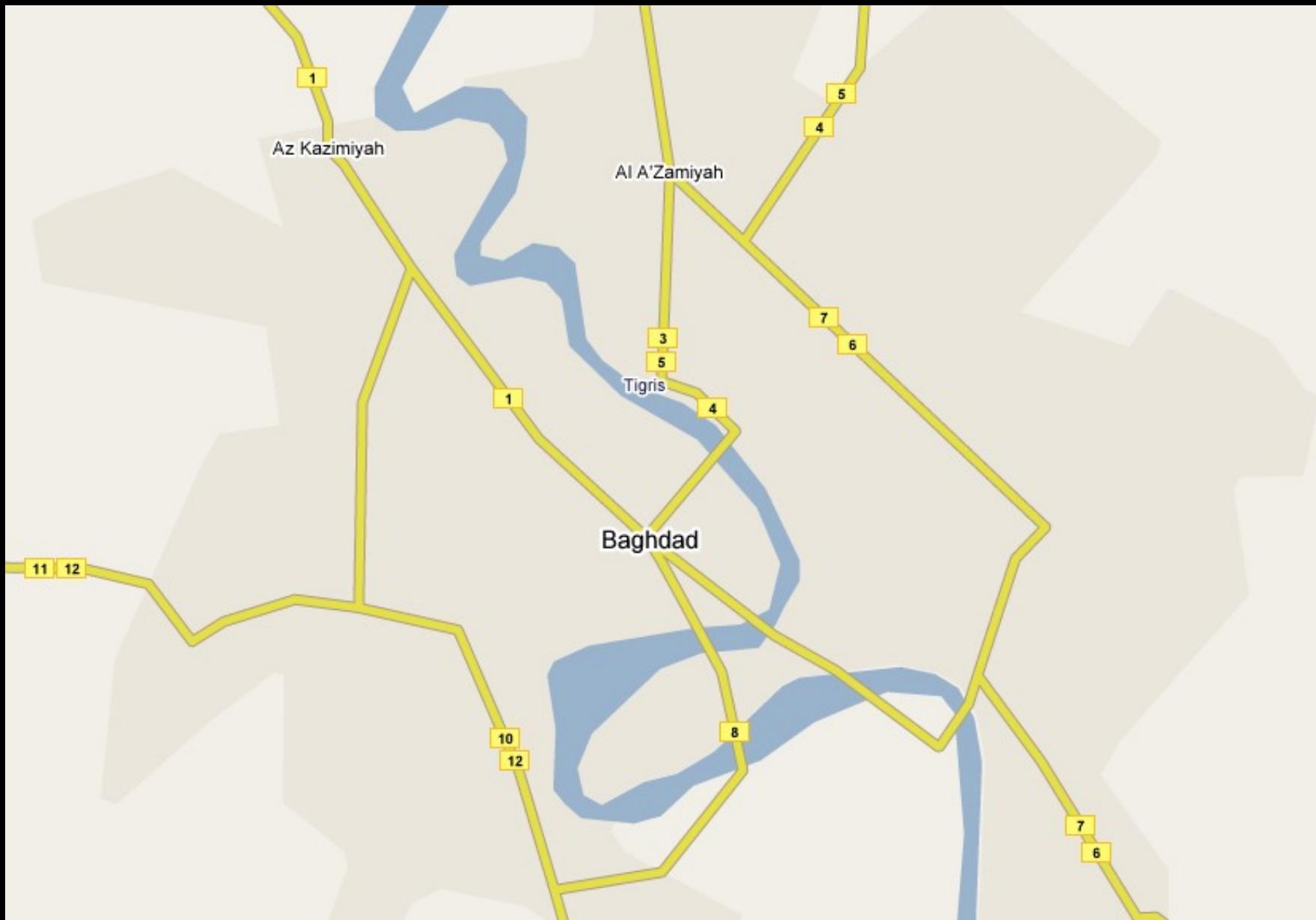


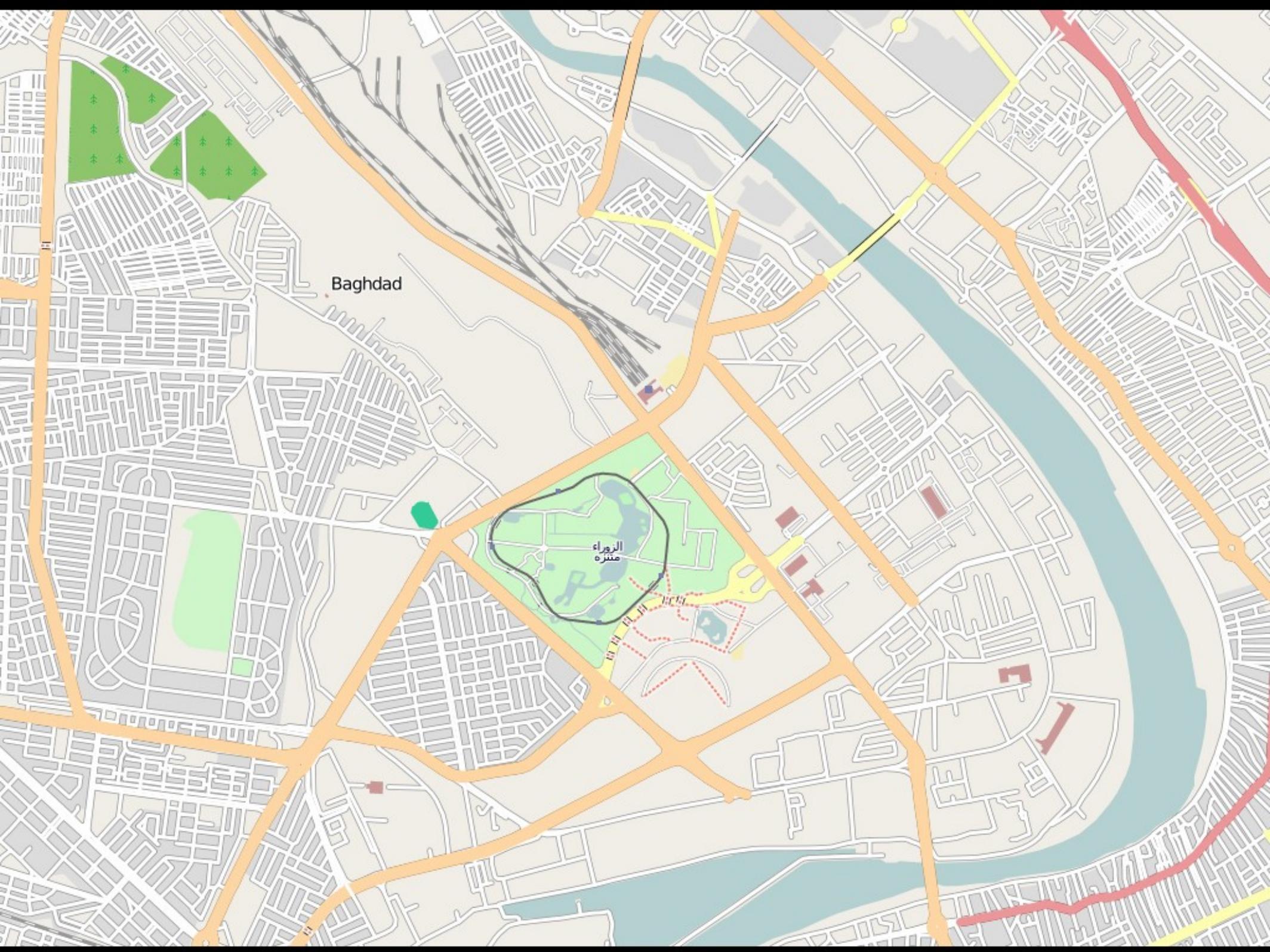
- Mar 08
- Apr 08
- Jun 08
- Aug 08
- Oct 08
- Nov 08
- Jan 09
- Mar 09



# Europe - A Year Of Edits

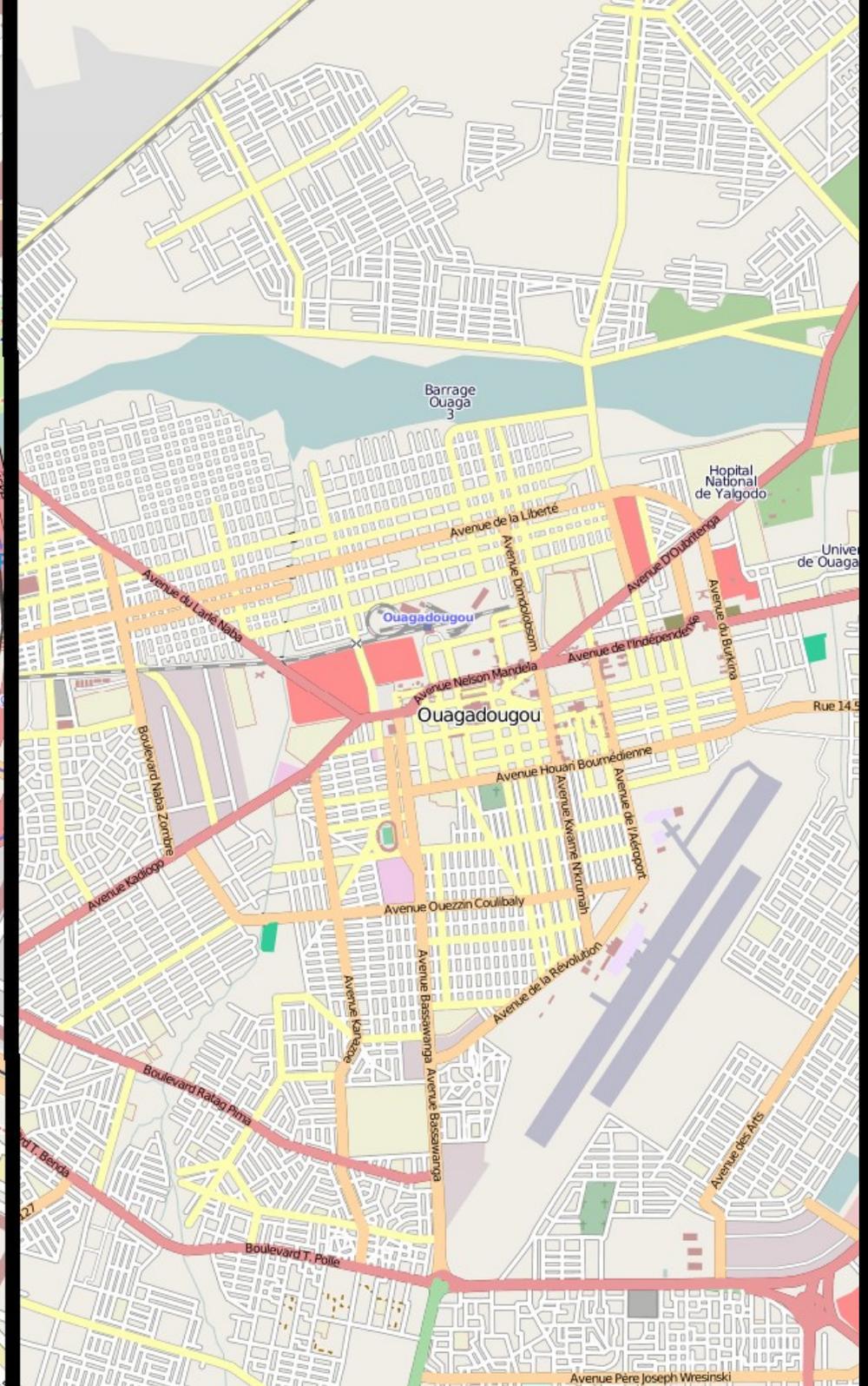
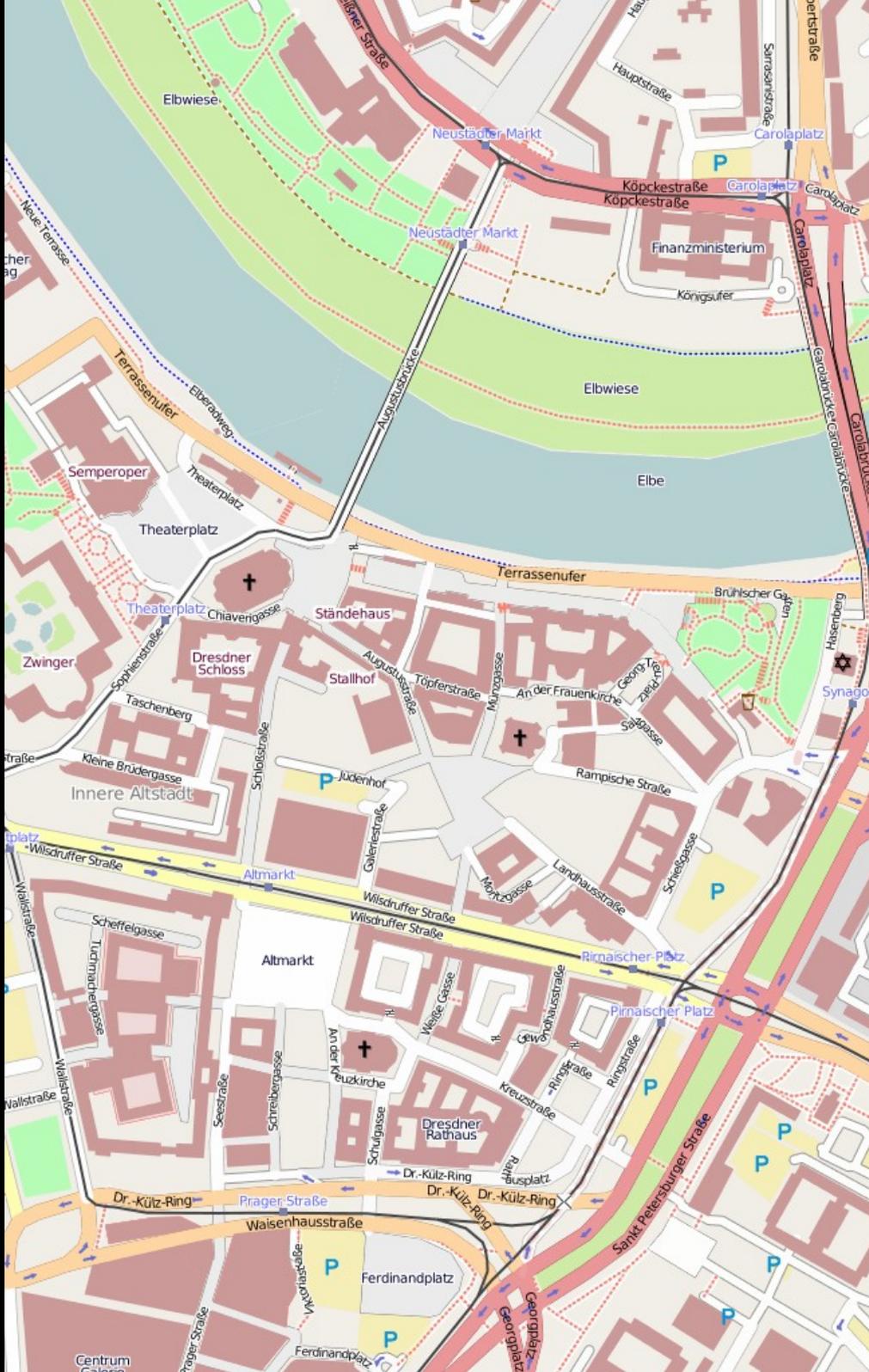


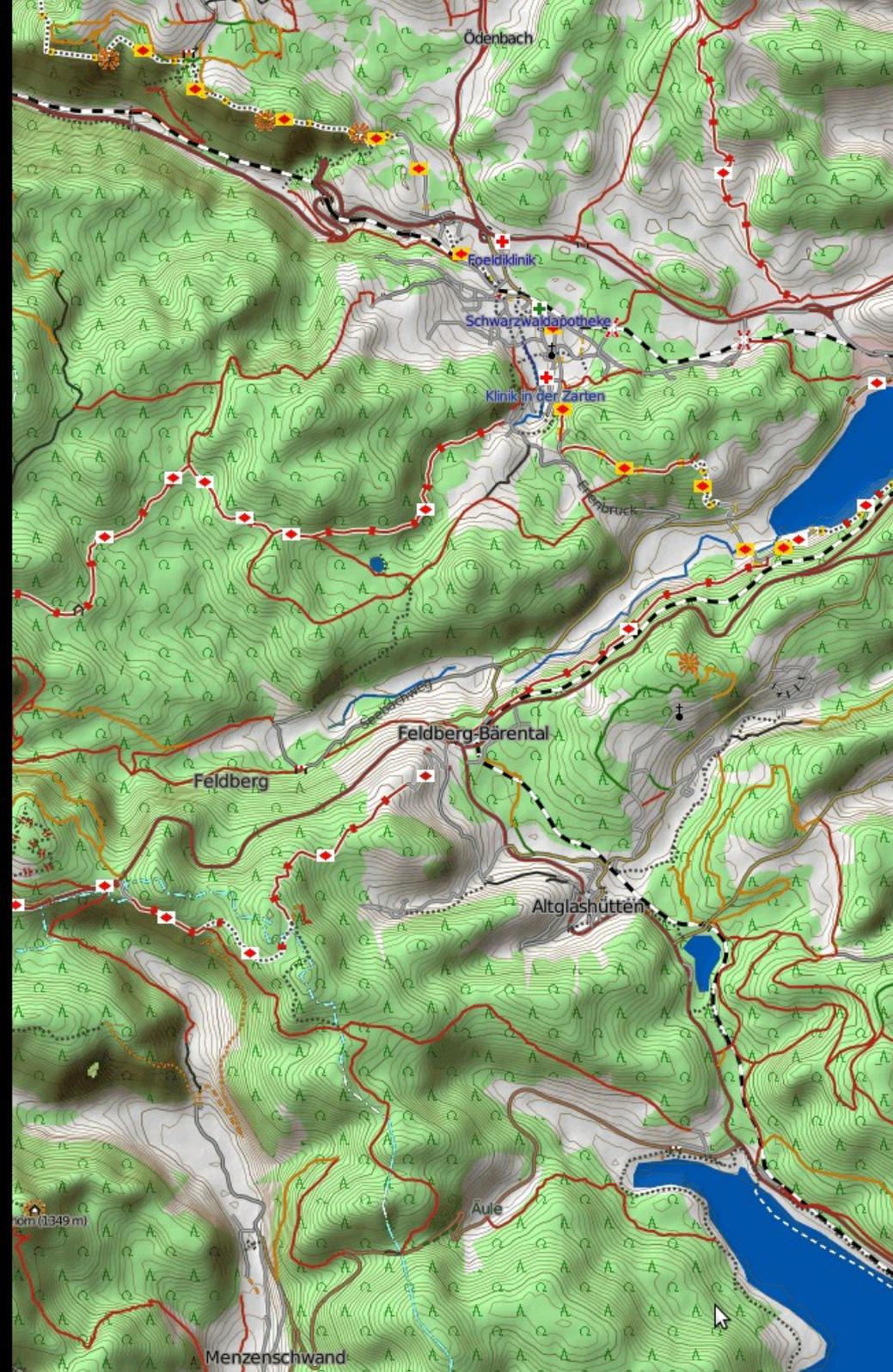
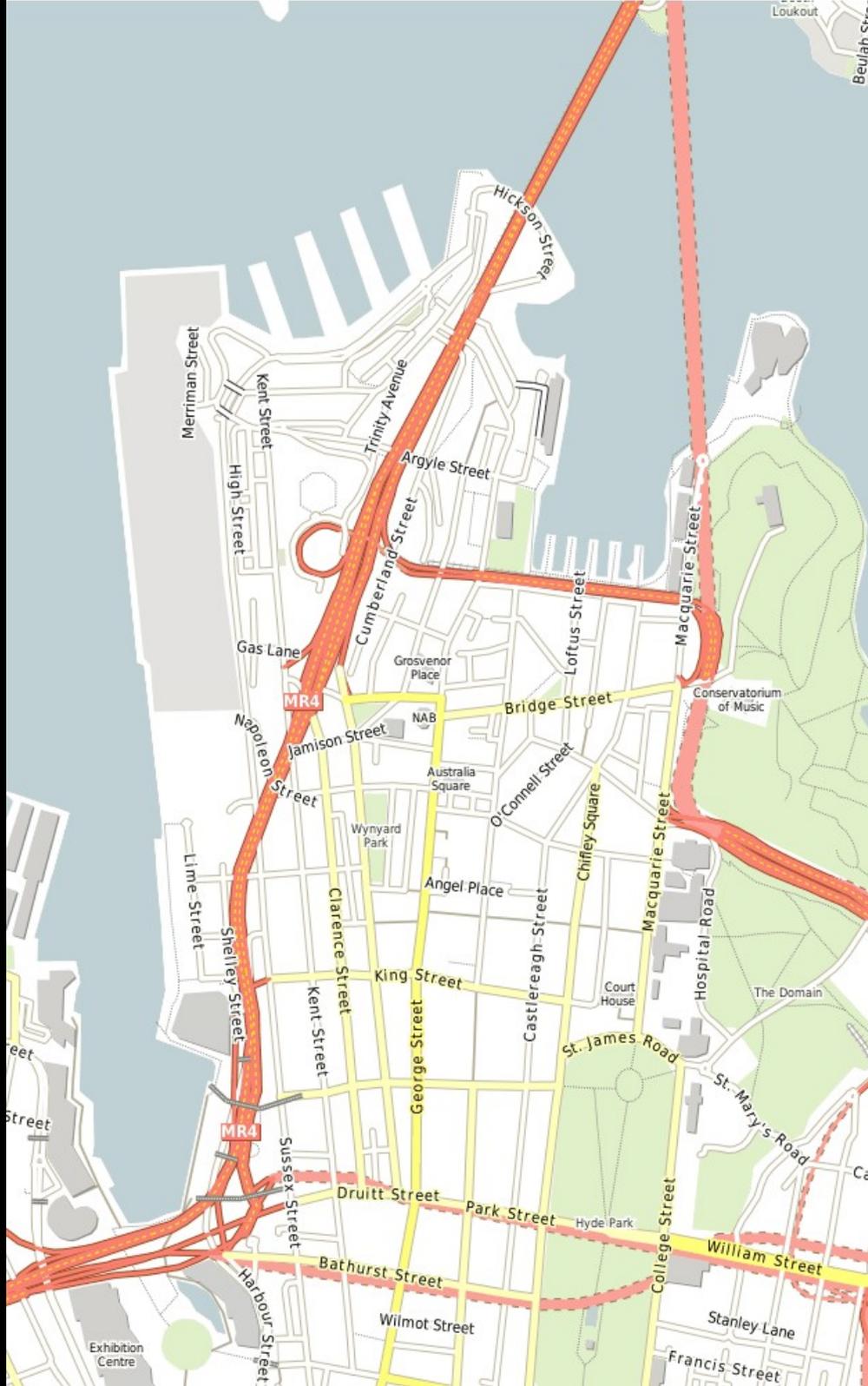


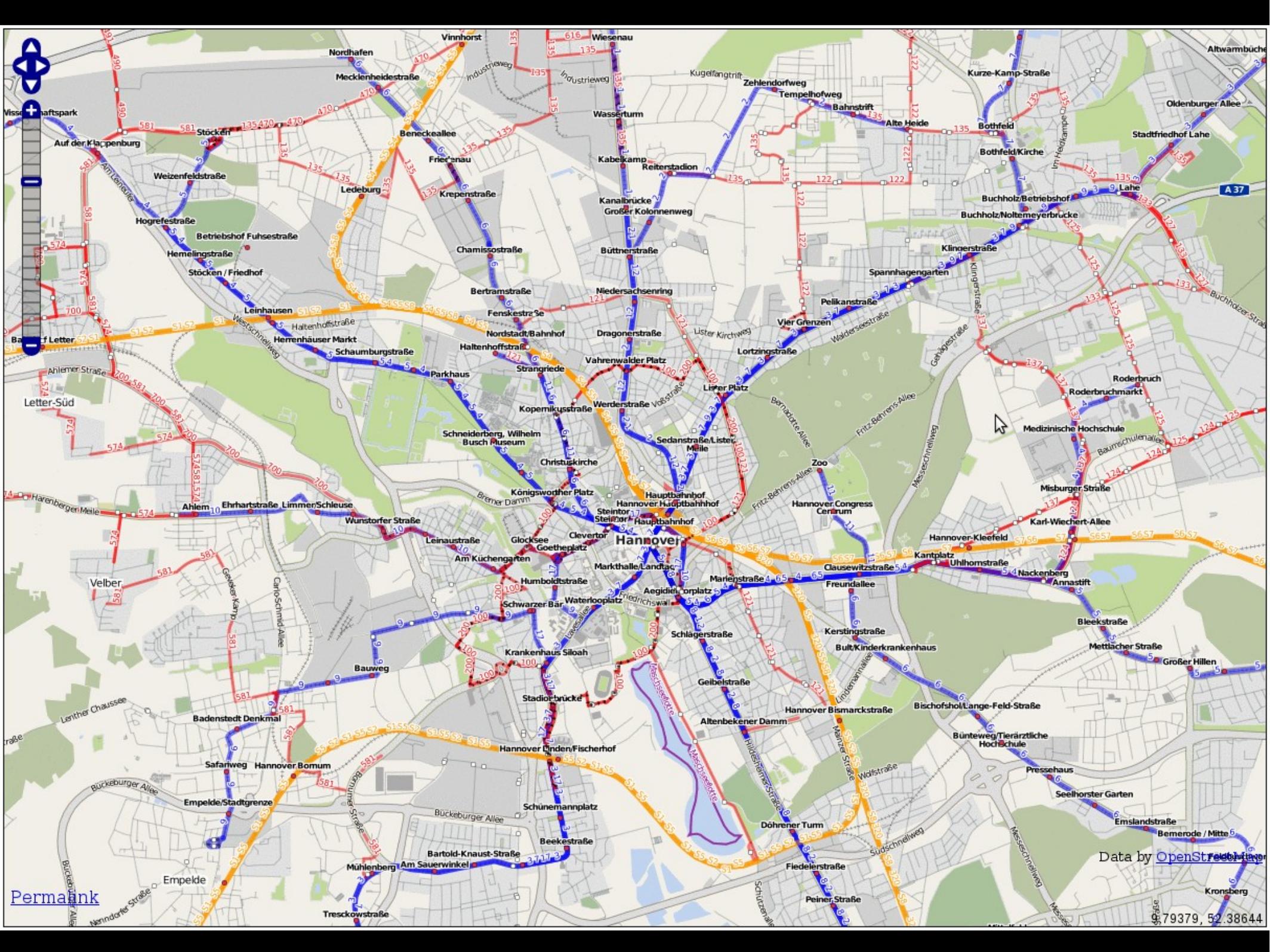


Baghdad

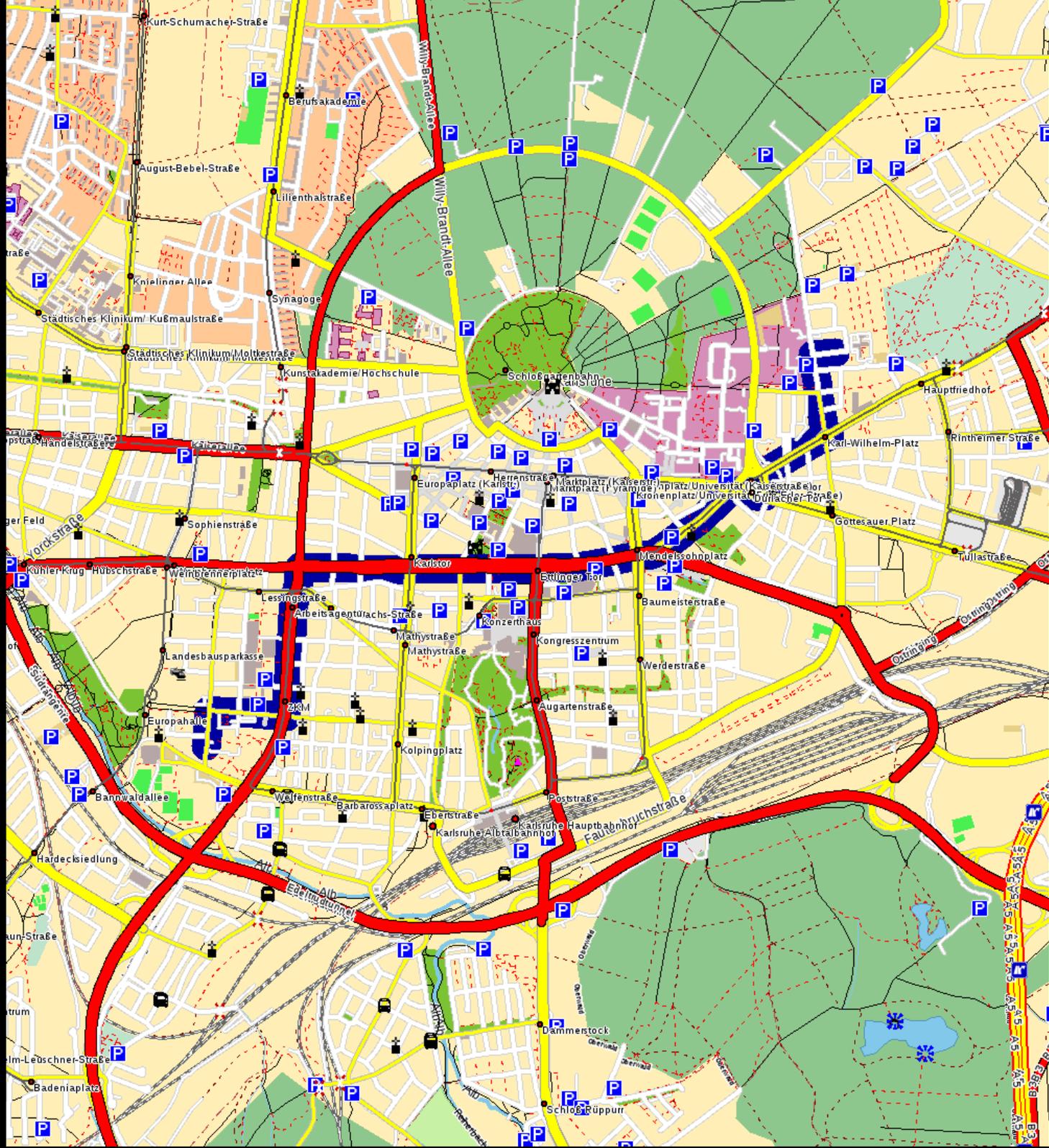
الزوراء  
صينرة

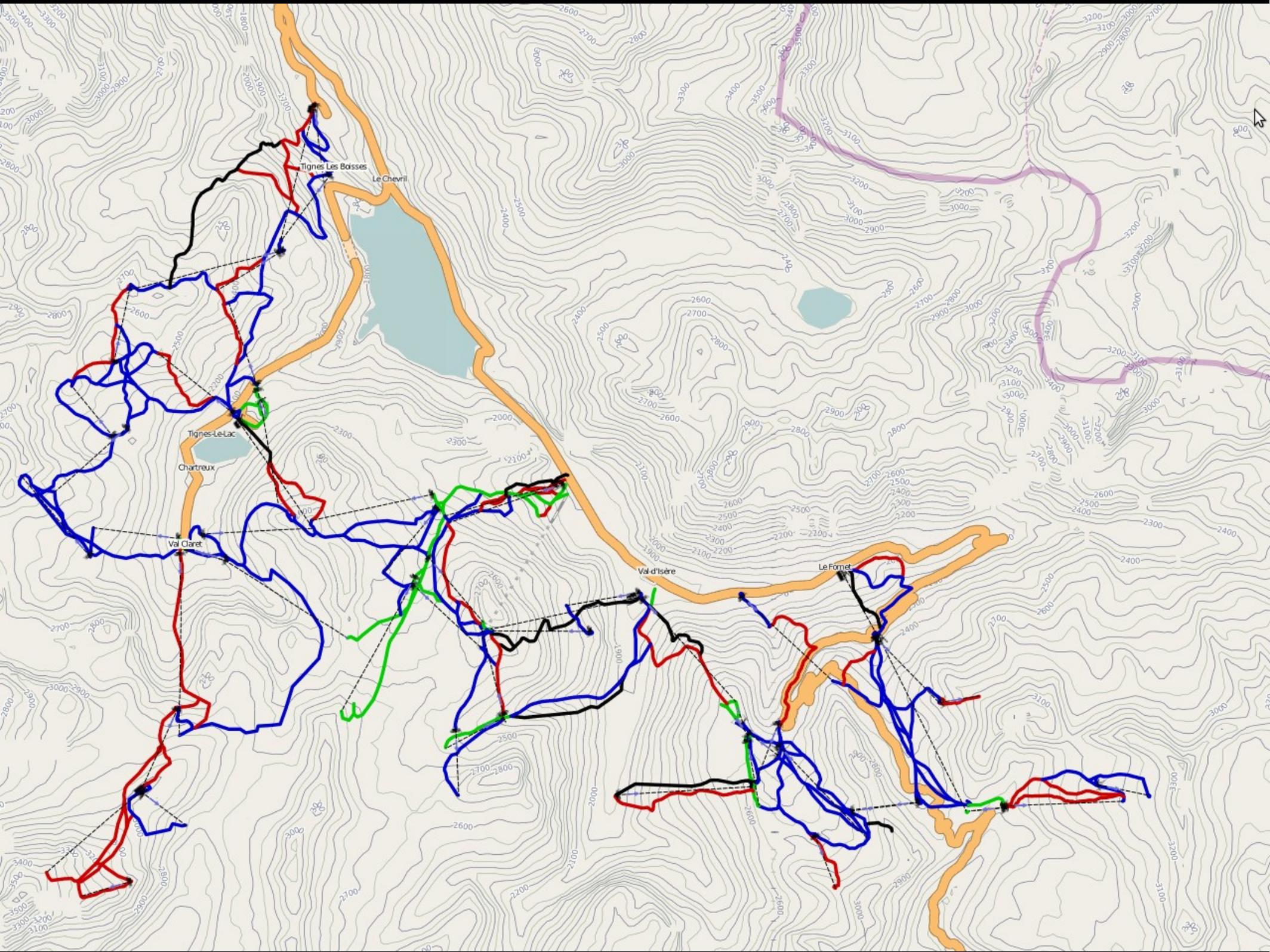






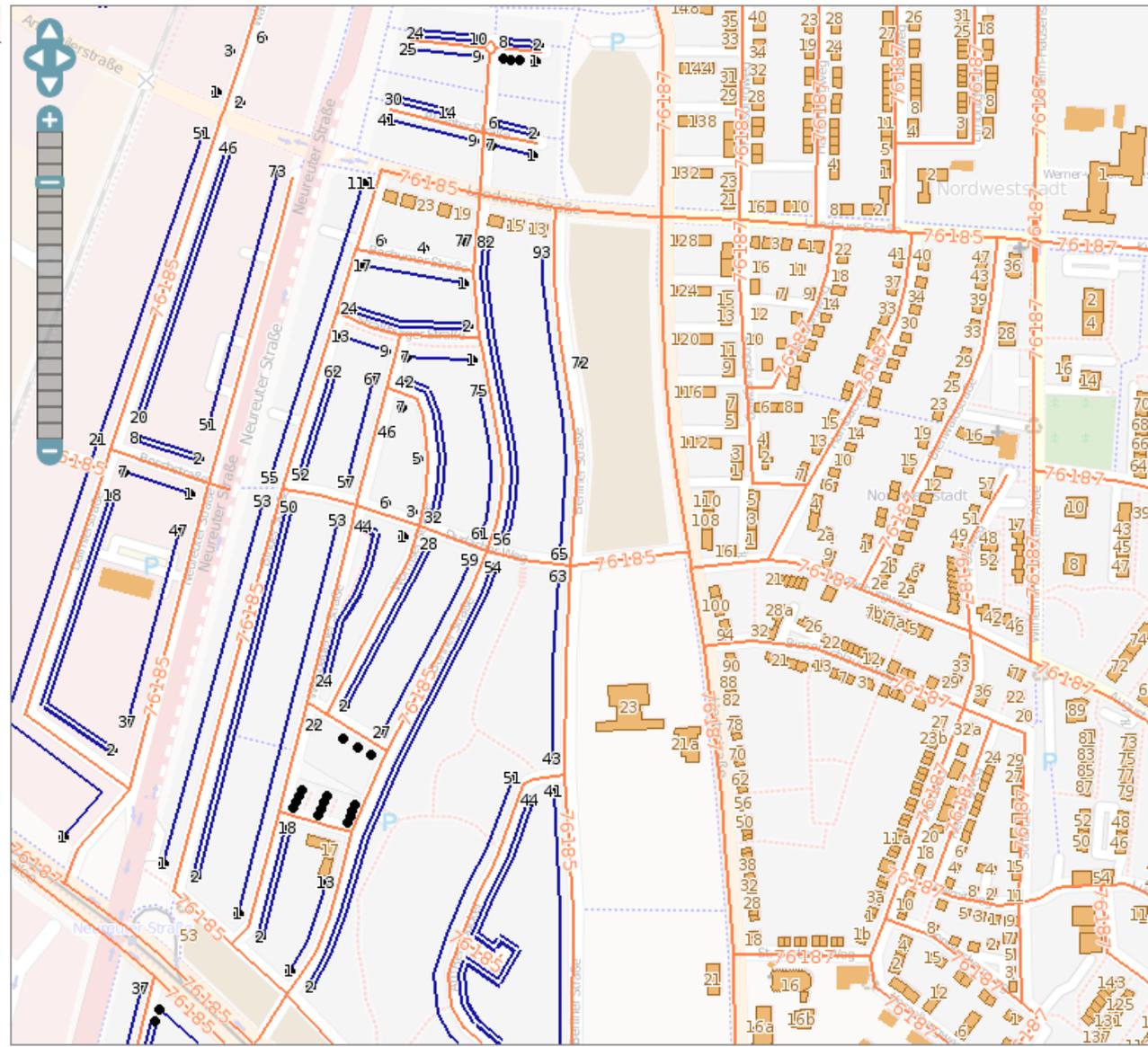
Data by [OpenStreetMap](https://www.openstreetmap.org/)





View: Addresses Base layer: Mapnik

- Overlays**
- Nearest roads
  - Connection lines
  - Connection point on roads
  - House number interpolation lines
  - Buildings
  - Buildings with addresses
  - Ways tagged with postal\_code
  - Interpolation errors
  - Street not found
  - Nodes with interpolated addresses
  - Nodes with defined addresses



**Selection**

layer: buildings\_with\_addresses  
 id: 884  
 way\_id: 23965444  
 street: Hertzstraße  
 houseno: 122  
 postcode: 76187  
 city: Karlsruhe  
 country: DE  
 fulladdr:  
 lastchange: 2009-01-22 03:47:03

**Data**

Nodes with defined addresses

Only 100 features are shown. There might be more.

node_id	way_id	ip_id	is_ip	street
267147404			false	Wattst
267147405			false	Wattst
267147410			false	Wattst
267147426			false	Wattst
267154775			false	Daiml
267154784			false	Daiml
267154786			false	Daiml
267154790			false	Daiml
267154796			false	Daiml
267154799			false	Daiml

Data from 2009-03-14 00:59:30

8.37200, 49.02913 zoom=16 Permalink

# OSM nutzen

Export Tab

Tiles (Karten-Kacheln)

Shapefiles

WMS

# Zwei Regeln

Namensnennung  
(„Attribution“)

Weitergabe unter gleichen Bedingungen  
(„Share Alike“)

Frederik Ramm  
Jochen Topf

# OpenStreetMap

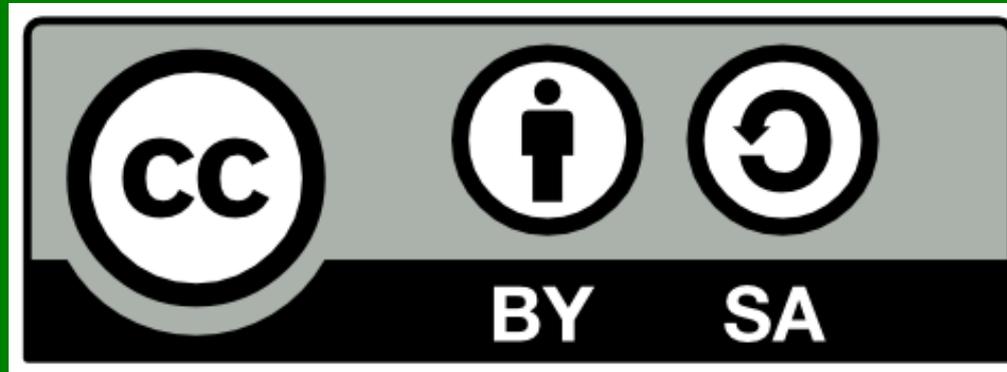
Die freie Weltkarte nutzen  
und mitgestalten



2. Auflage

lehmanns  
media 

# Lizenz



Creative Commons Attribution Share-Alike

Kommerzielle Nutzung erlaubt!

**openstreetmap.de**  
**openstreetmap.org**  
**openstreetbugs.org**  
**bestofosm.org**  
**geofabrik.de**



**Jochen Topf**  
**topf@geofabrik.de**

