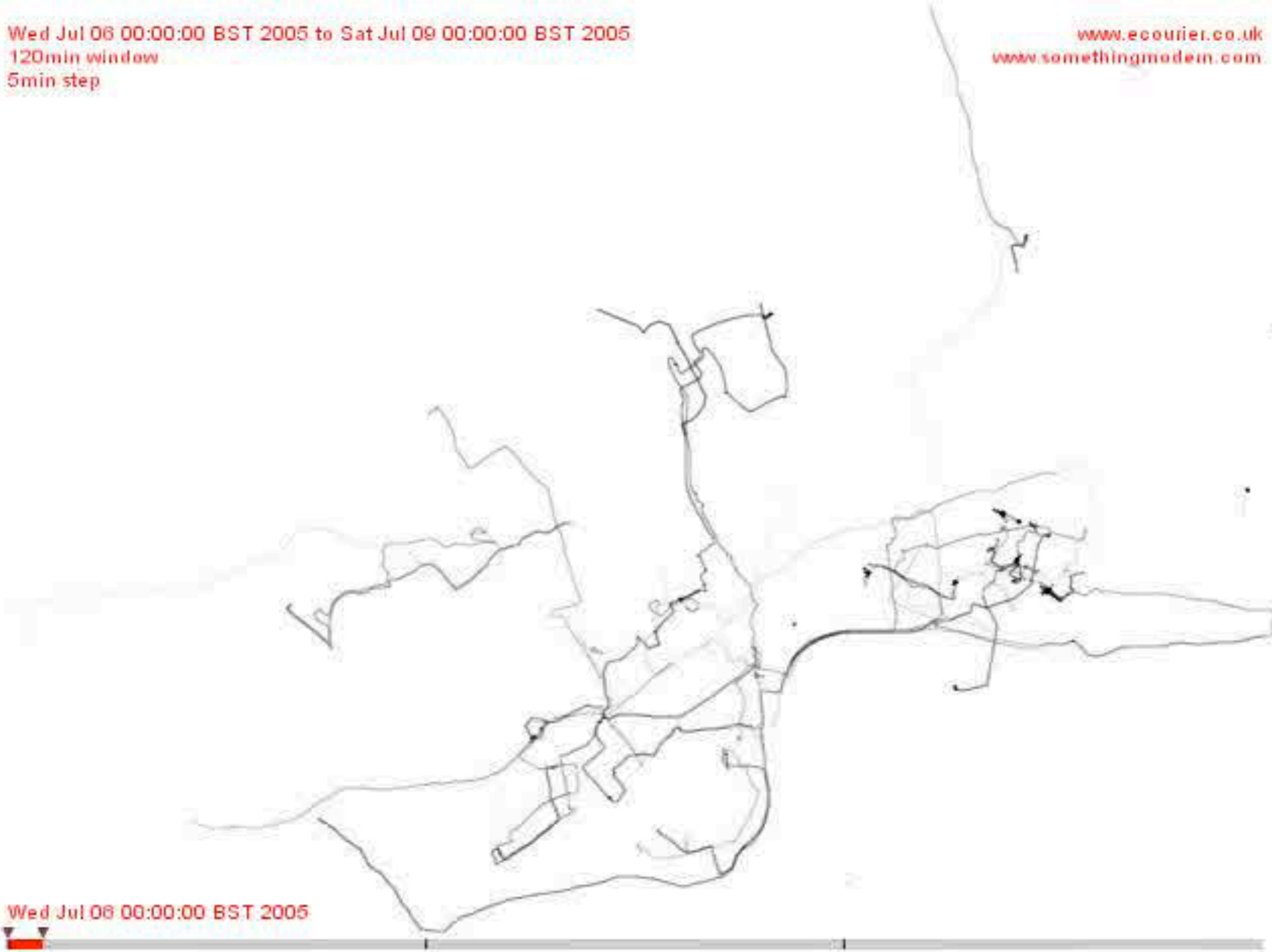
OpenStreetMap

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*

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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"

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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

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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."

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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

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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."

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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

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We make beautiful maps
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...which we give away
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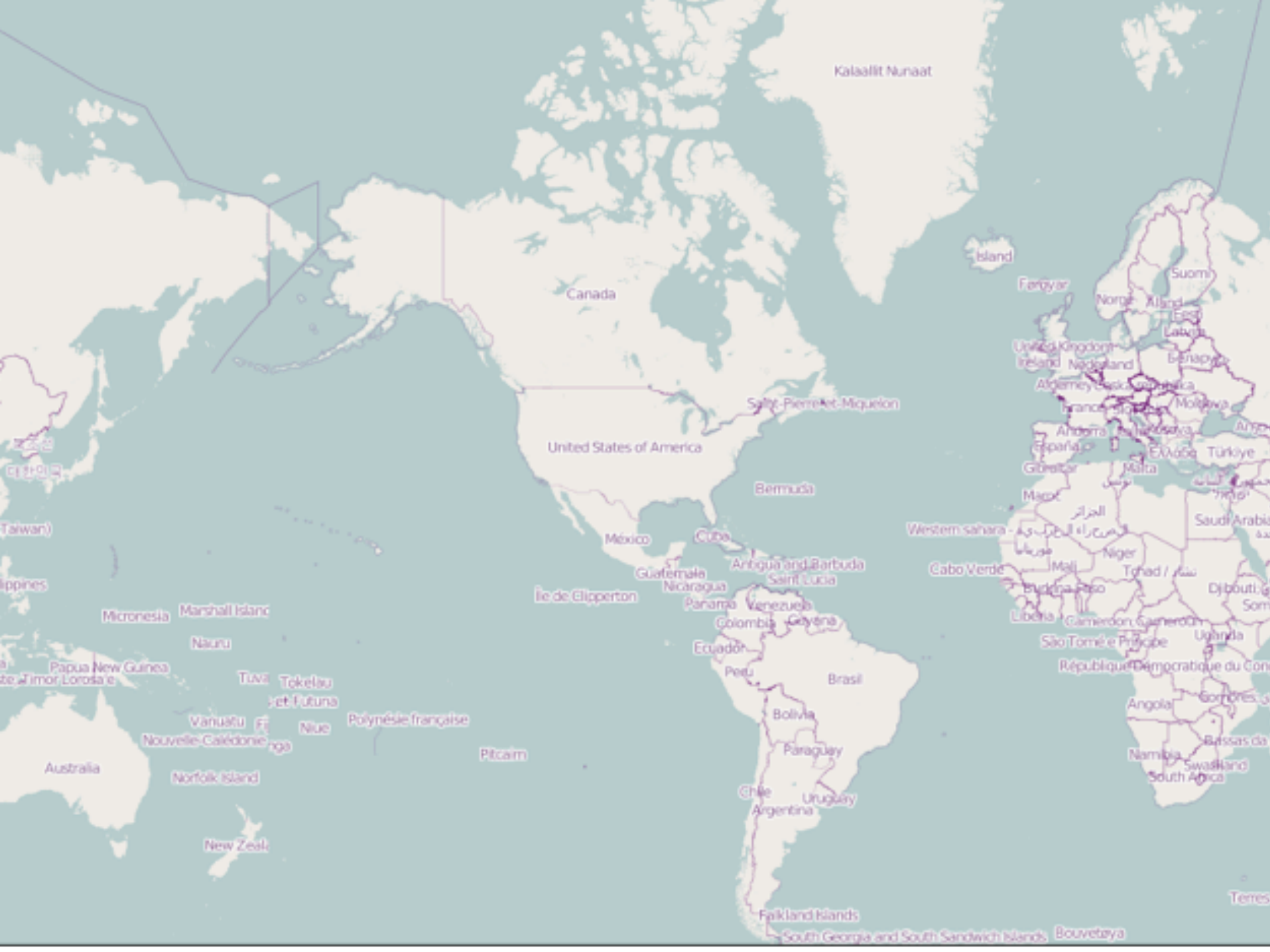
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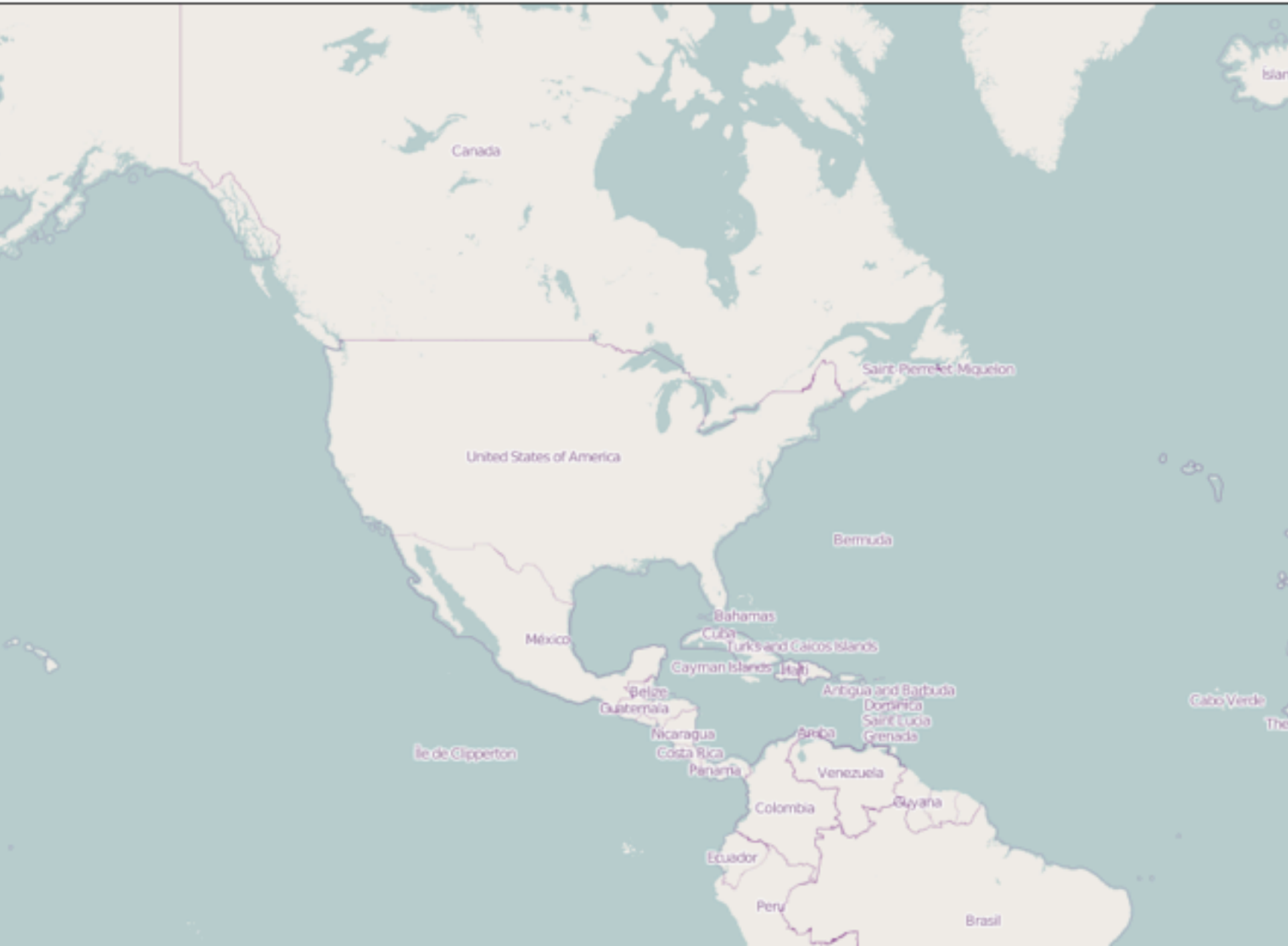
Island
Suomi
Norge
Ireland
Nederland
Saint-Pierre-et-Miquelon
United States of America
Bermuda
Türkiye
Malta
Western sahara
Saudi Arabia
México
Cuba
Antigua and Barbuda
Saint Lucia
Guatemala
Nicaragua
Île de Clipperton
Panama
Venezuela
Colombia
Guyana
Ecuador
Peru
Brasil
Bolivia
Paraguay
Chile
Uruguay
Argentina
Falkland Islands
South Georgia and South Sandwich Islands
Bouvetøya
Cabo Verde
Niger
Mali
Tchad
Djibouti
Liberia
Cameroon
São Tomé e Principe
Uganda
Angola
Namibia
Swaziland
South Africa
Micronesia
Marshall Island
Nauru
Papua New Guinea
Tokelau
Vanuatu
Niue
Polynésie française
Nouvelle-Calédonie
Pitcairn
Australia
Norfolk Island
New Zeal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United States of America
Bermuda
Bahamas
Cuba
México
Turks and Caicos Islands
Cayman Islands
Haiti
Belize
Guatemala
Antigua and Barbuda
Dominica
Saint Lucia
Grenada
Nicaragua
Aruba
Costa Rica
Panamá
Venezuela
Colombia
Guyana
Ecuador
Peru
Brasil
Cabo Verde
Ile de Clipperton

QC
NL
ON
MT
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MN
Saint-Pierre-et-Miquelon
NB
PE
ME
Ottawa
NS
SD
WI
MI
VT
ID
WY
NY
NH
MA
RI
CT
NE
IA
PA
NJ
United States of America
NV
UT
CO
KS
MO
IL
IN
OH
WV
DE
KY
VA
TN
NC
AZ
NM
OK
AR
MS
AL
GA
SC
TX
LA
FL
Bermuda
Bahamas
Cuba
México
Turks and Caicos Islands
Ciudad de México
Cayman Islands
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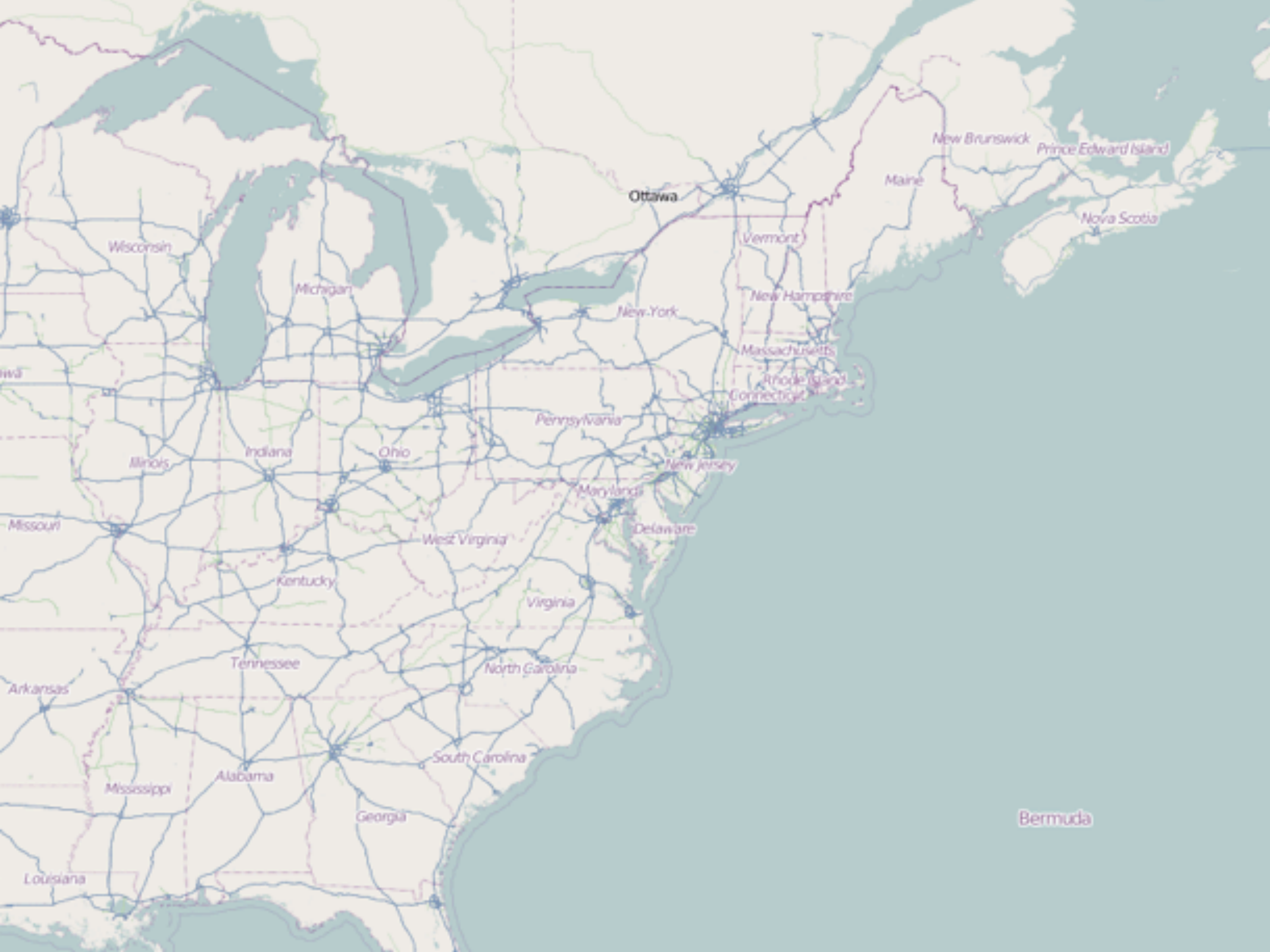
Antigua and Barbuda
Belize
Dominica
Guatemala
Honduras
El Salvador
Saint Lucia
Nicaragua
Aruba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Ottawa
Nova Scotia
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Wisconsin
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Ohio
Illinois
New Jersey
Maryland
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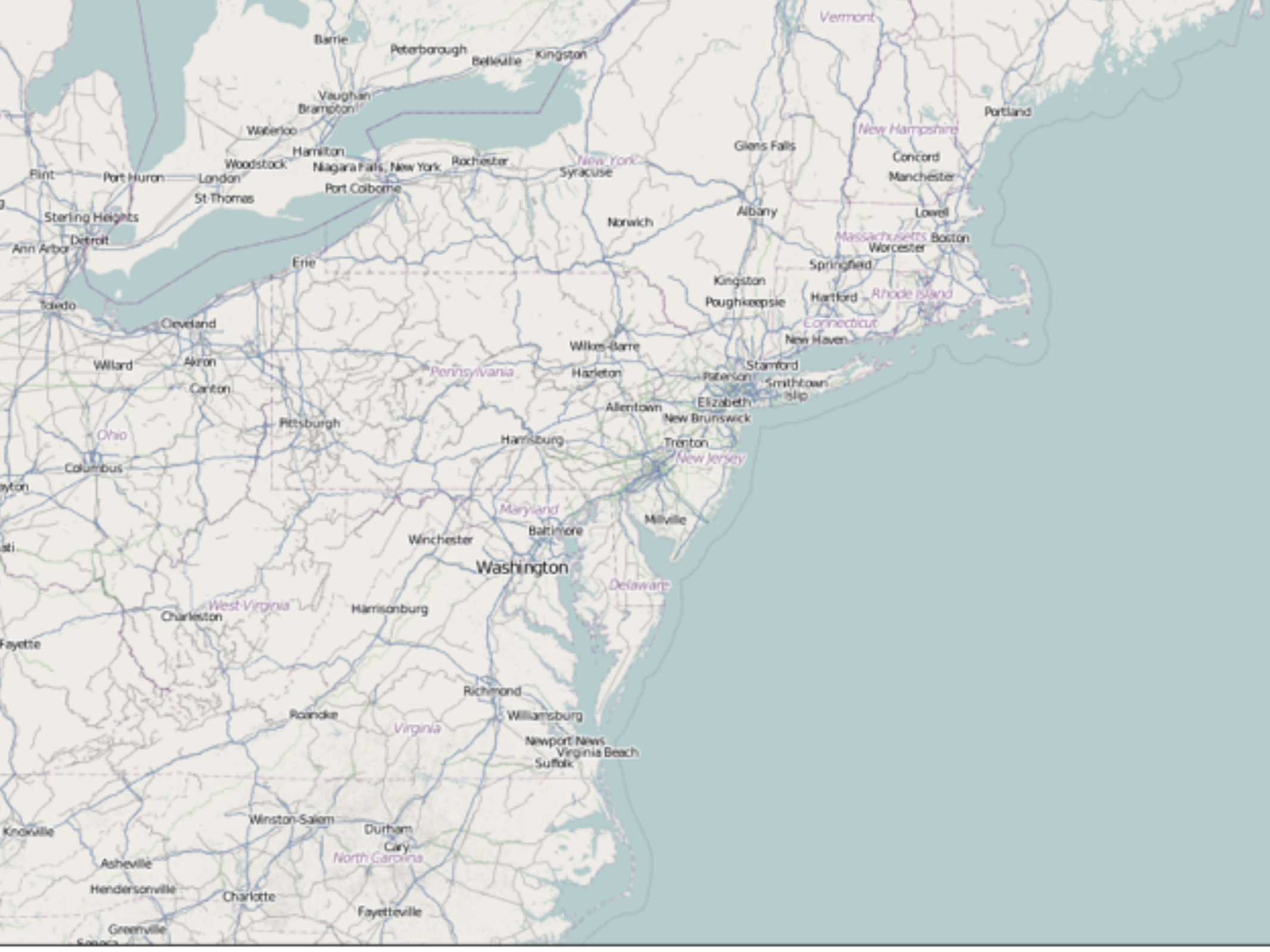
West Virginia
Kentucky
Virginia
Tennessee
North Carolina
Arkansas
South Carolina
Alabama
Mississippi
Georgia
Bermuda
Louisiana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Peterborough
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Kingston
Vaughan
Brampton
Waterloo
Hamilton
Woodstock
Niagara Falls, New York
Rochester
Syracuse
Port Colborne
London
St Thomas
Port Huron
Flint
Sterling Heights
Detroit
Ann Arbor
Erie
Toledo
Cleveland
Akron
Willard
Canton
Pittsburgh
Ohio
Columbus
Vermont
Portland
New Hampshire
Glens Falls
Concord
Manchester
Albany
Lowell
Norwich
Massachusetts
Boston
Worcester
Springfield
Kingston
Poughkeepsie
Hartford
Rhode Island
Connecticut
New Haven
Wilkes-Barre
Hazleton
Pennsylvania
Stamford
Paterson
Smithtown
Islip
Elizabeth
Allentown
New Brunswick
Harrisburg
Trenton
New Jersey
Maryland
Millville
Baltimore
Winchester
Washington
Delaware
West Virginia
Charleston
Harrisonburg
Richmond
Roanoke
Williamsburg
Virginia
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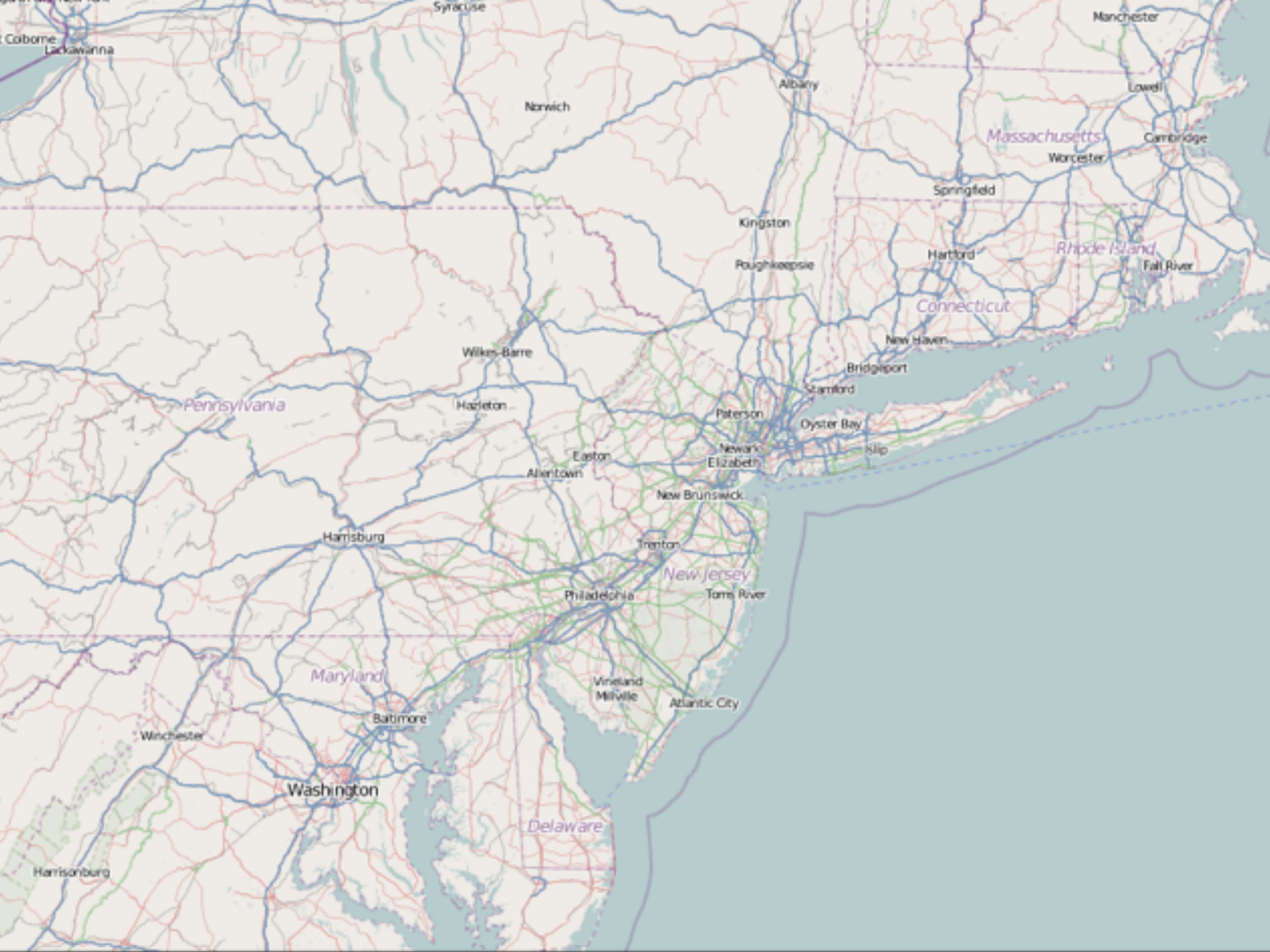
Suffolk
Winston-Salem
Durham
Cary
North Carolina
Asheville
Hendersonville
Charlotte
Fayetteville
Greenville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Lackawanna
Albany
Norwich
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Lowell
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Worcester
Springfield
Kingston
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Hartford
Rhode Island
Fall River
Connecticut
New Haven
Bridgeport
Stamford
Wilkes-Barre
Pennsylvania
Hazleton
Paterson
Oyster Bay
Newark
Elizabeth
Islip
Easton
Allentown
New Brunswick
Harrisburg
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Philadelphia
Toms River
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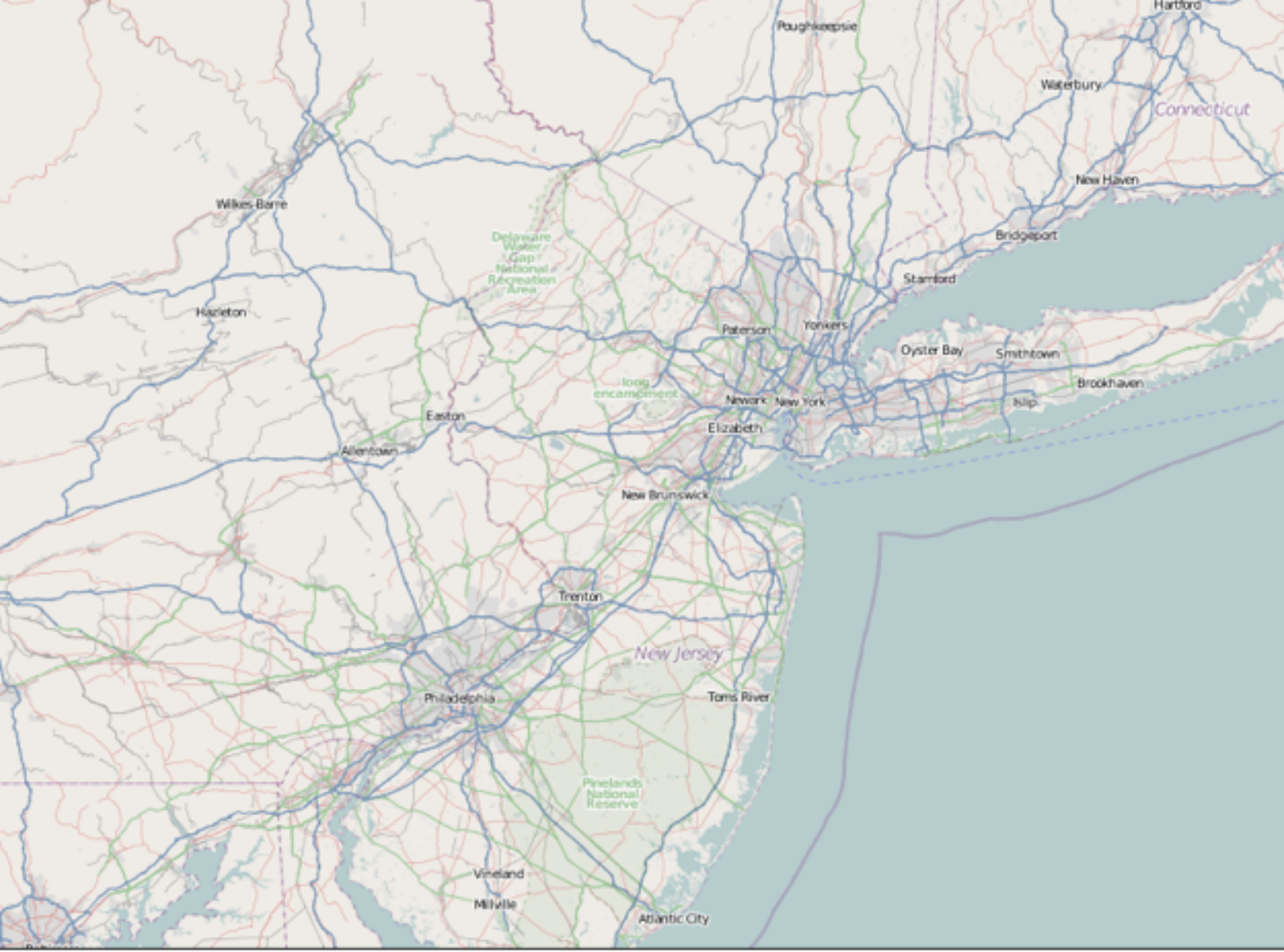
Vineland
Millville
Atlantic City
Baltimore
Winchester
Washington
Delaware
Harrisonburg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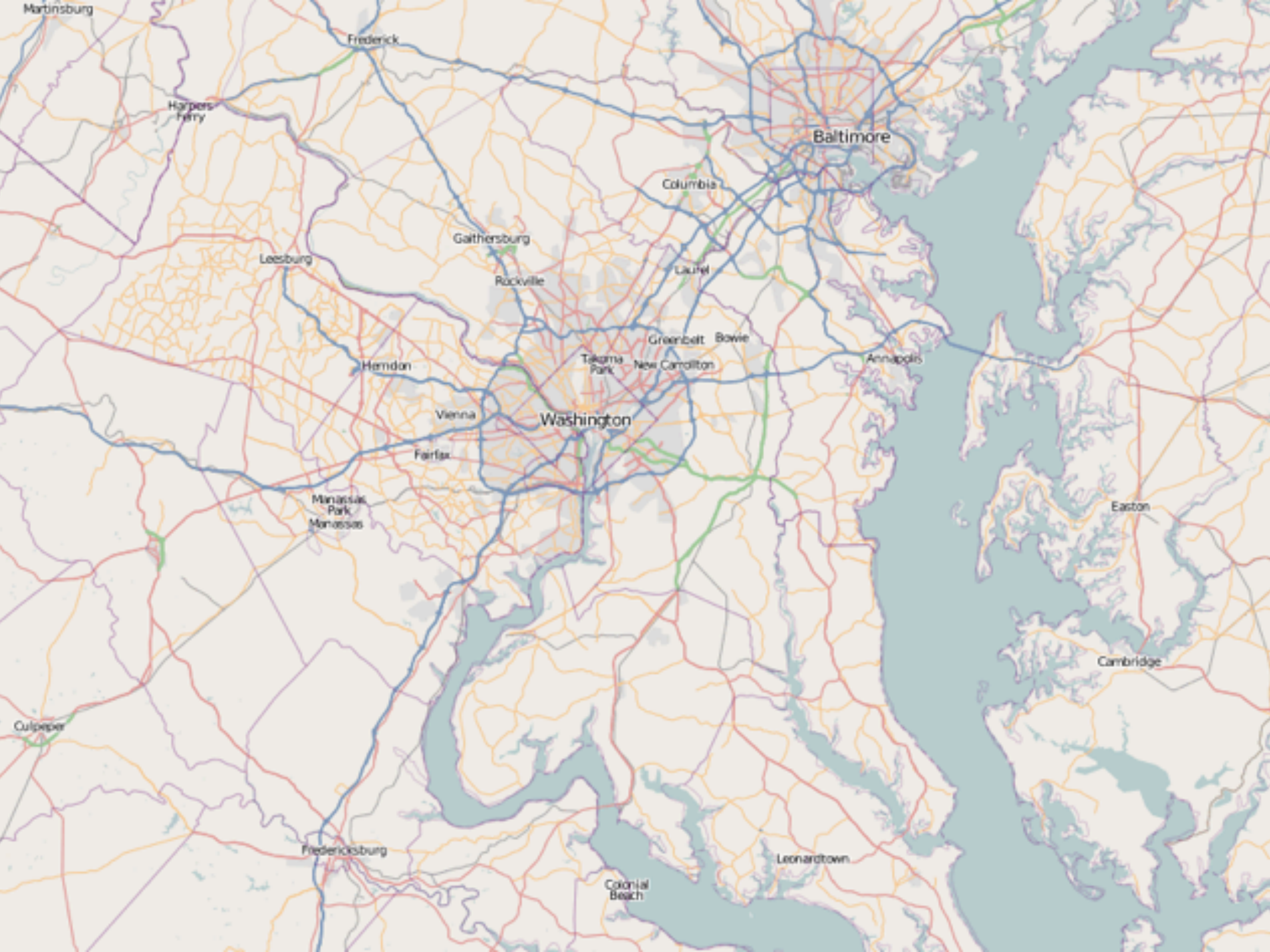
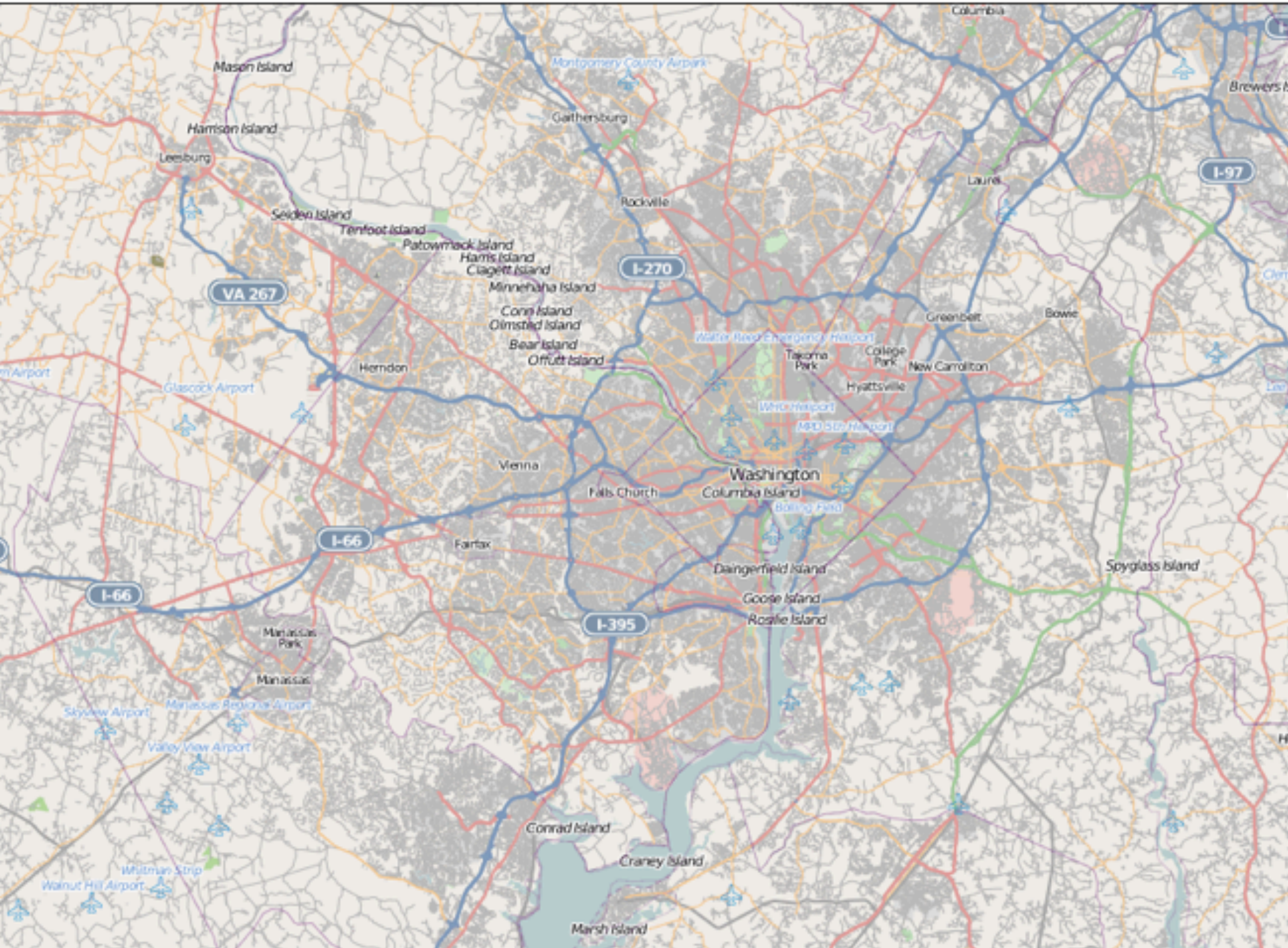
Hartford
Waterbury
Connecticut
New Haven
Wilkes-Barre
Delaware Water Gap National Recreation Area
Bridgeport
Stamford
Hazleton
Paterson
Yonkers
Oyster Bay
Smithtown
Brookhaven
Islip
long encampment
Newark
New York
Elizabeth
Easton
Allentown
New Brunswick
Trenton
New Jersey
Toms River
Philadelphia
Pinelands National Reserve
Vineland
Millville
Atlantic City


Martinsburg
Frederick
Harpers Ferry
Baltimore
Columbia
Gaithersburg
Leesburg
Rockville
Laurel
Greenbelt
Bowie
Takoma Park
New Carrollton
Annapolis
Herndon
Vienna
Washington
Fairfax
Manassas Park
Manassas
Easton
Cambridge
Culpeper
Fredericksburg
Leonardtown
Colonial Beach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Gaithersburg
Rockville
Columbia
Laurel
I-97
Brewers
Seldon Island
Tenfoot Island
Patowmack Island
Hams Island
Claggett Island
Minnehaha Island
Conn Island
Olmsted Island
Bear Island
Offutt Island
I-270
VA 267
Herndon
Glascock Airport
Greenbelt
Bowie
Takoma Park
College Park
New Carrollton
Hyattsville
Vienna
Washington
Falls Church
Columbia Island
Fairfax
I-66
Daingerfield Island
Spyglass Island
Goose Island
Rosalie Island
I-395
Manassas Park
Manassas
Skyview Airport
Manassas Regional Airport
Valley View Airport
Conrad Island
Craney Island
Whitman Strip
Walnut Hill Airport
Marsh Island

Leesburg Executive Airport
Selden Island
Van Deventer Island
Fenfoot Island
Lowes Island
Patowmack Island
Hanis Island
Claggett Island
Gladys Island
Minnehaha Island
Powhatan Island
Corn Island
Olmsted Island
Rocky Islands
Bear Island
Offutt Island
Cedar Island
Ruppert Island
Rockville
I-270
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Gilbert Airport
Smith Airport
Vienna
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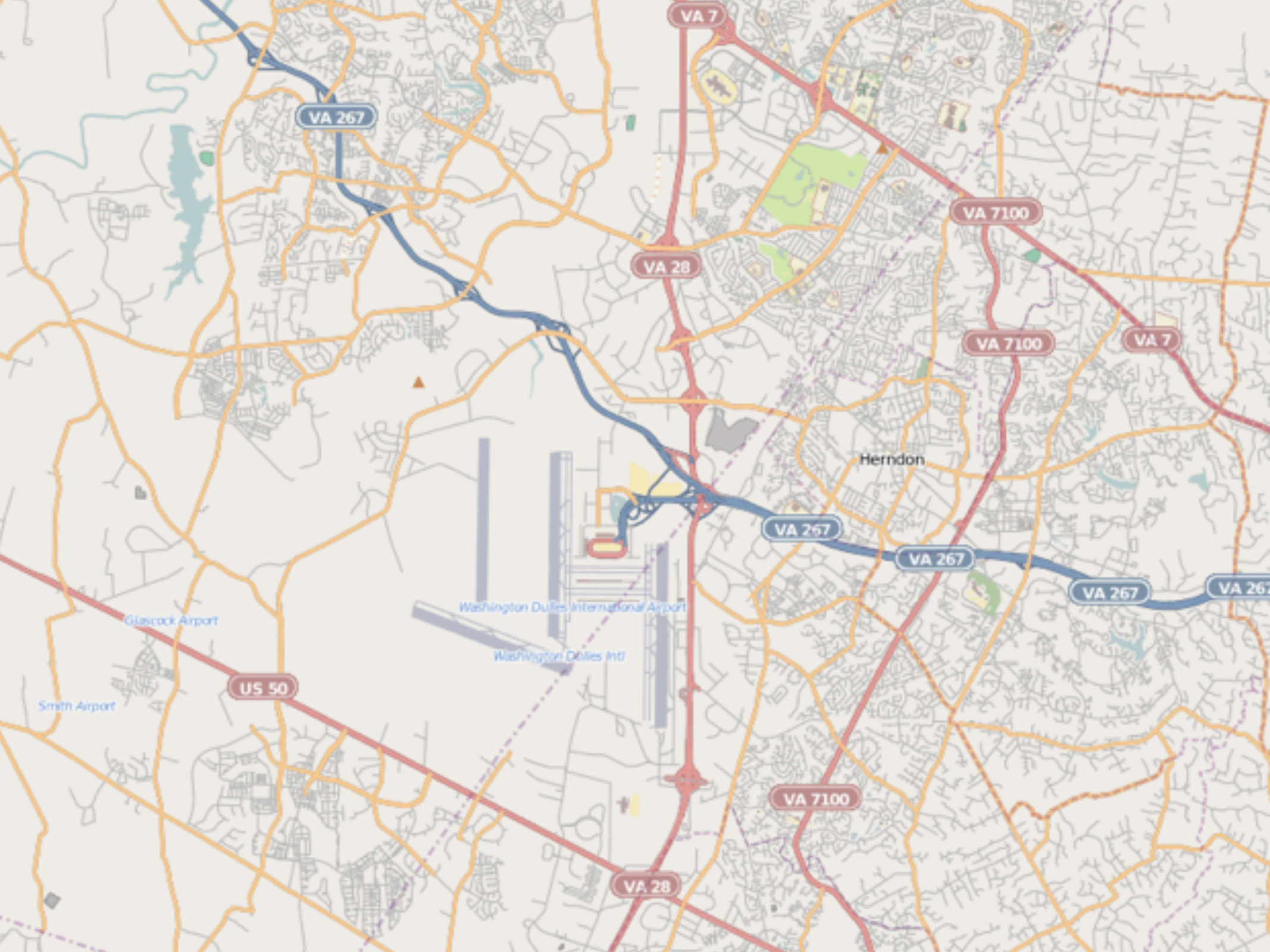
Fairfax
I-395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VA 267
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VA 28
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VA 267
VA 267
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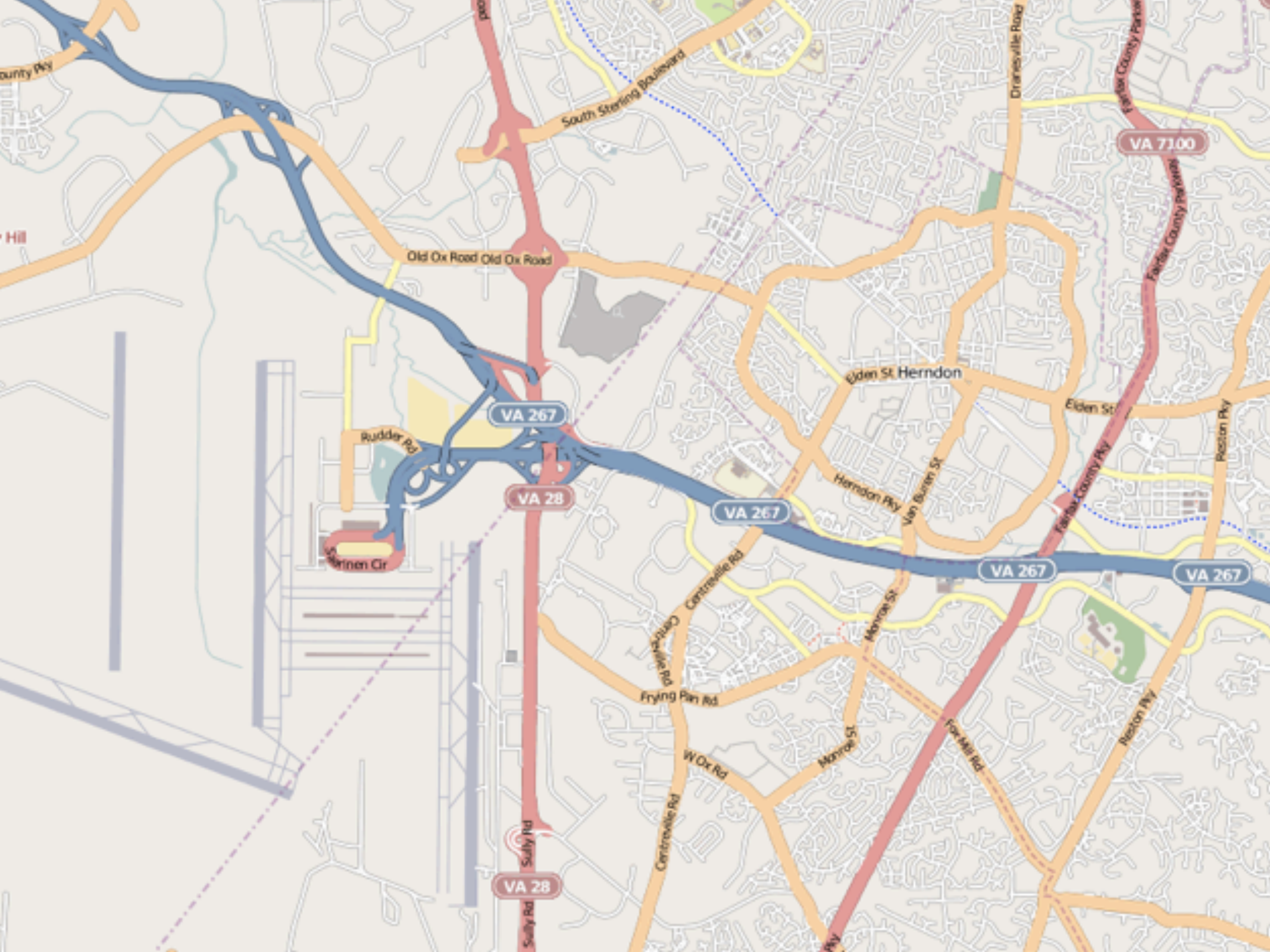
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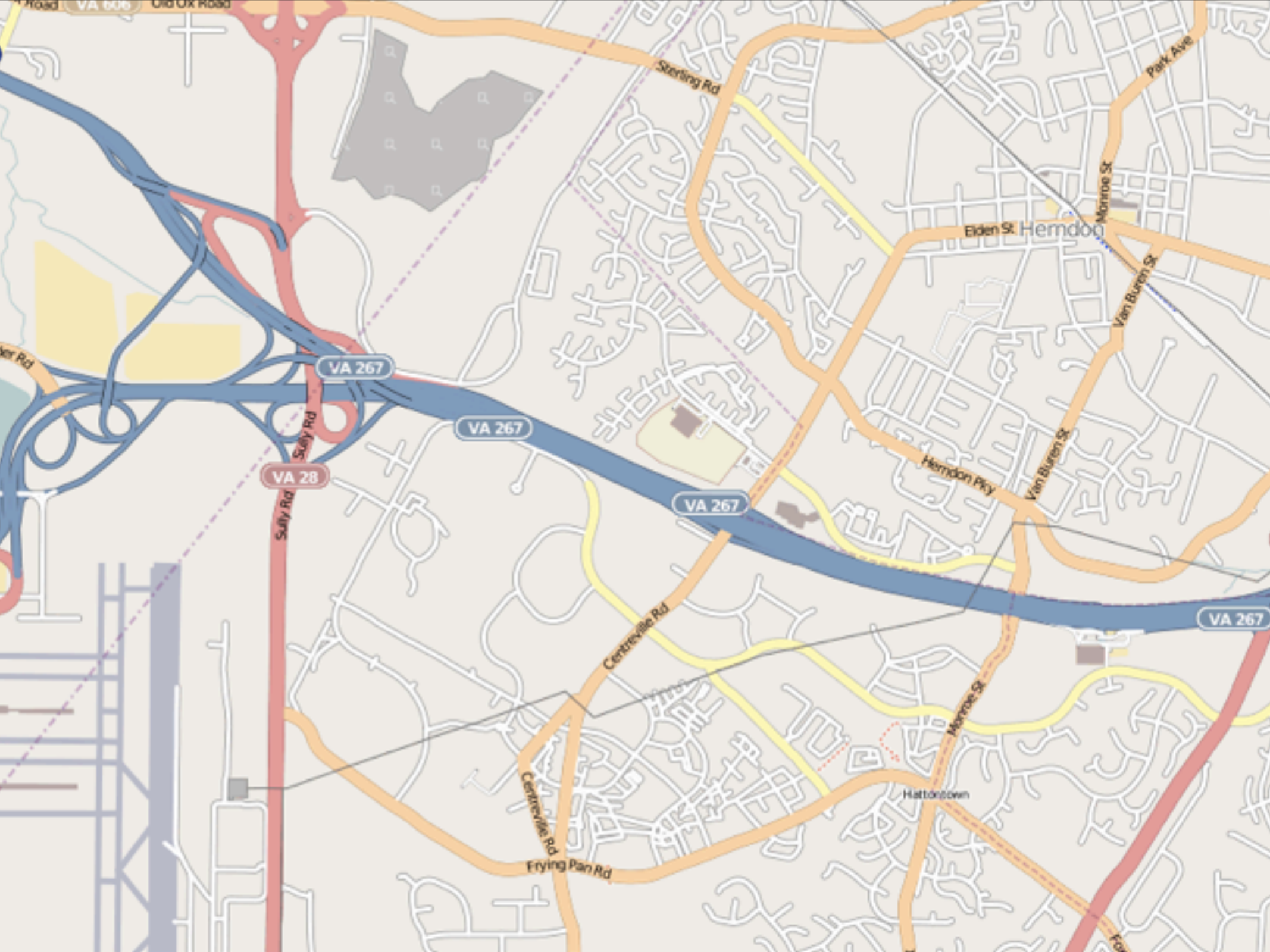
Old Ox Road Old Ox Road
VA 267
Rudder Rd
VA 28
Elden St Herndon
Herndon Pky
Van Buren St
Centreville Rd
Frying Pan Rd
Monroe St
W Ox Rd
Fox Mill Rd
Sully Rd
Dranesville Road
Fairfax County Pky
VA 7100
Reston Pky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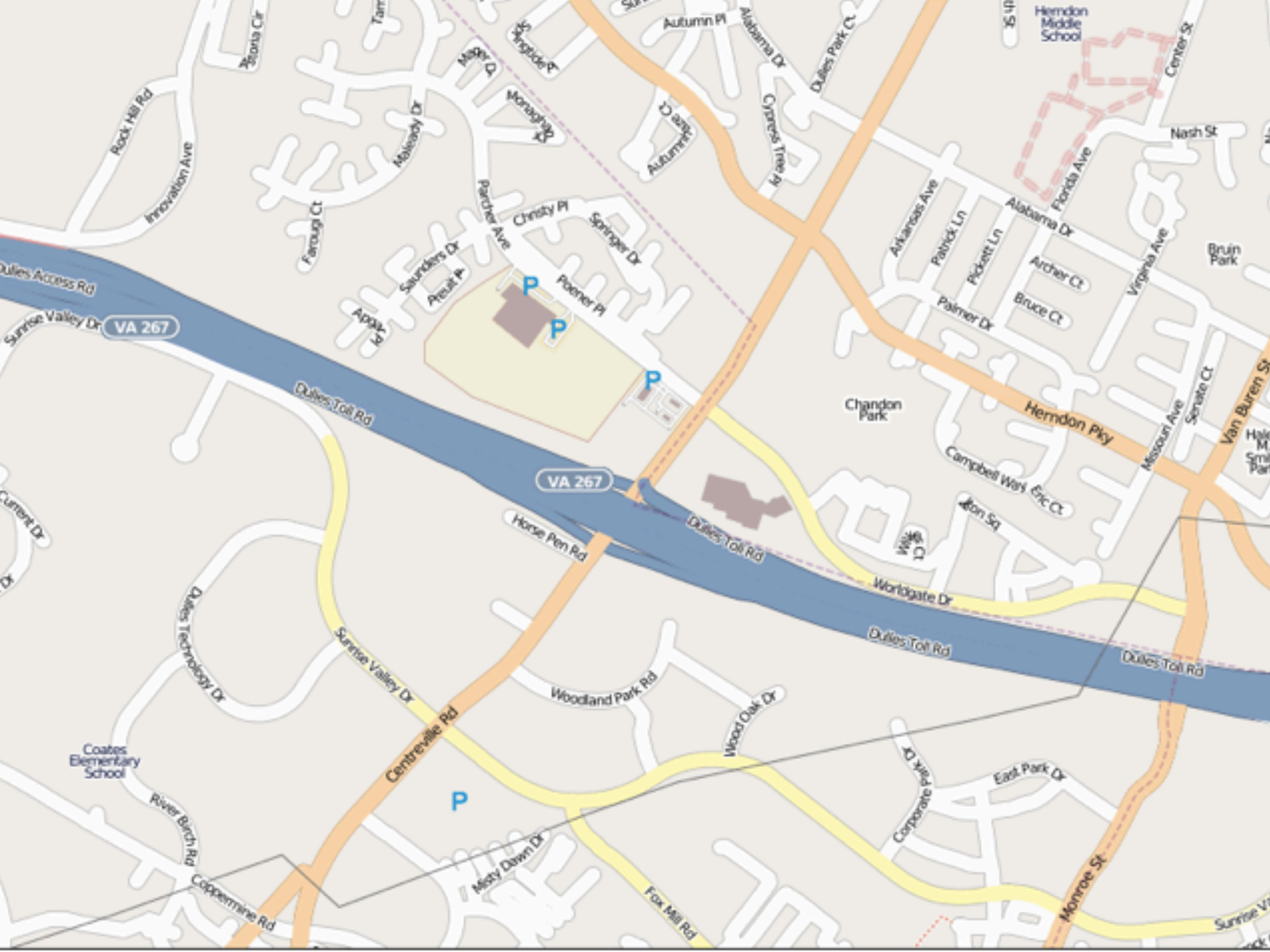
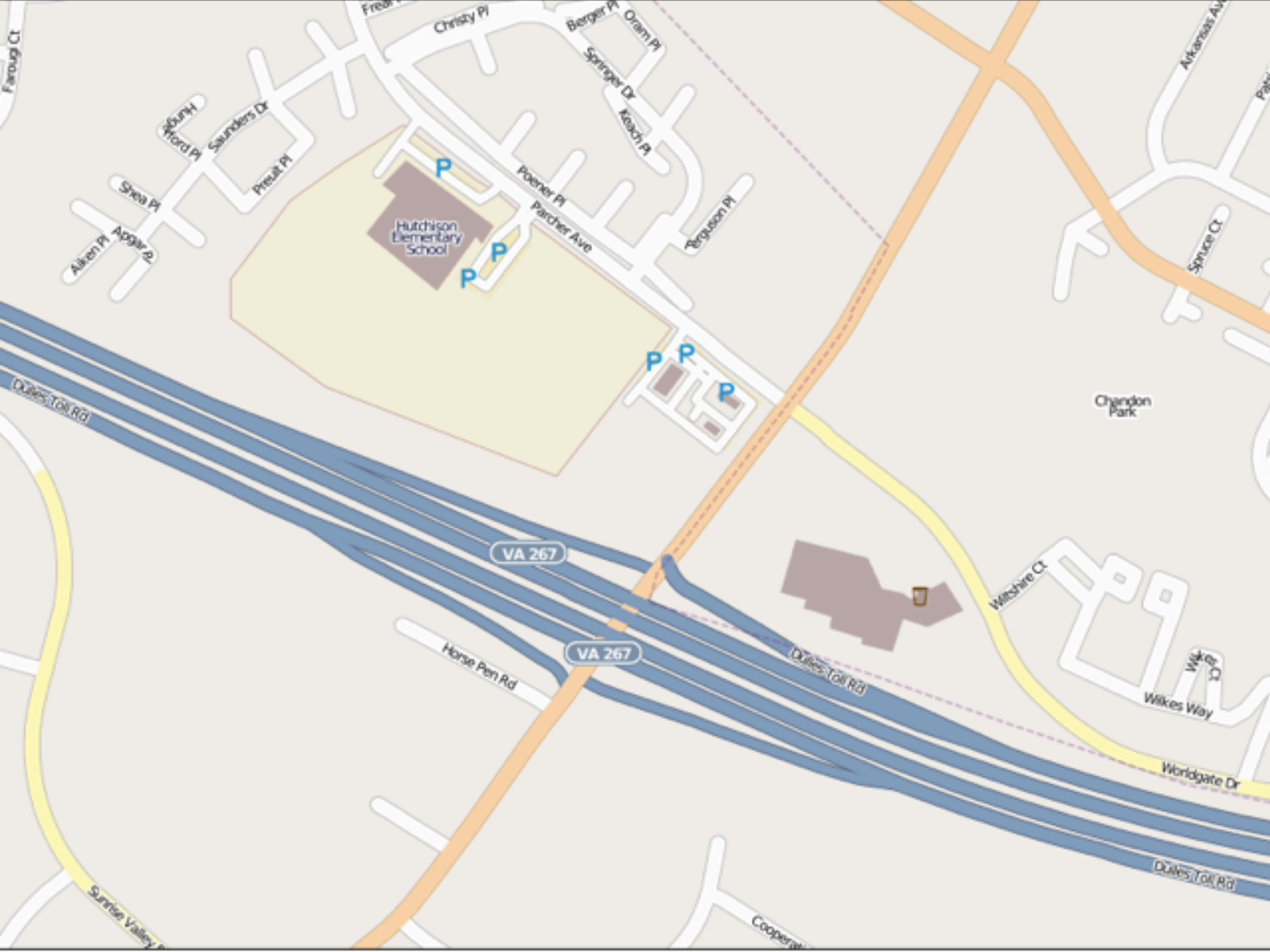
Sterling Rd
Park Ave
Monroe St
Elden St
Herndon
Van Buren St
VA 267
Herndon Pky
Sully Rd
VA 28
Centreville Rd
Frying Pan Rd
Hattontown

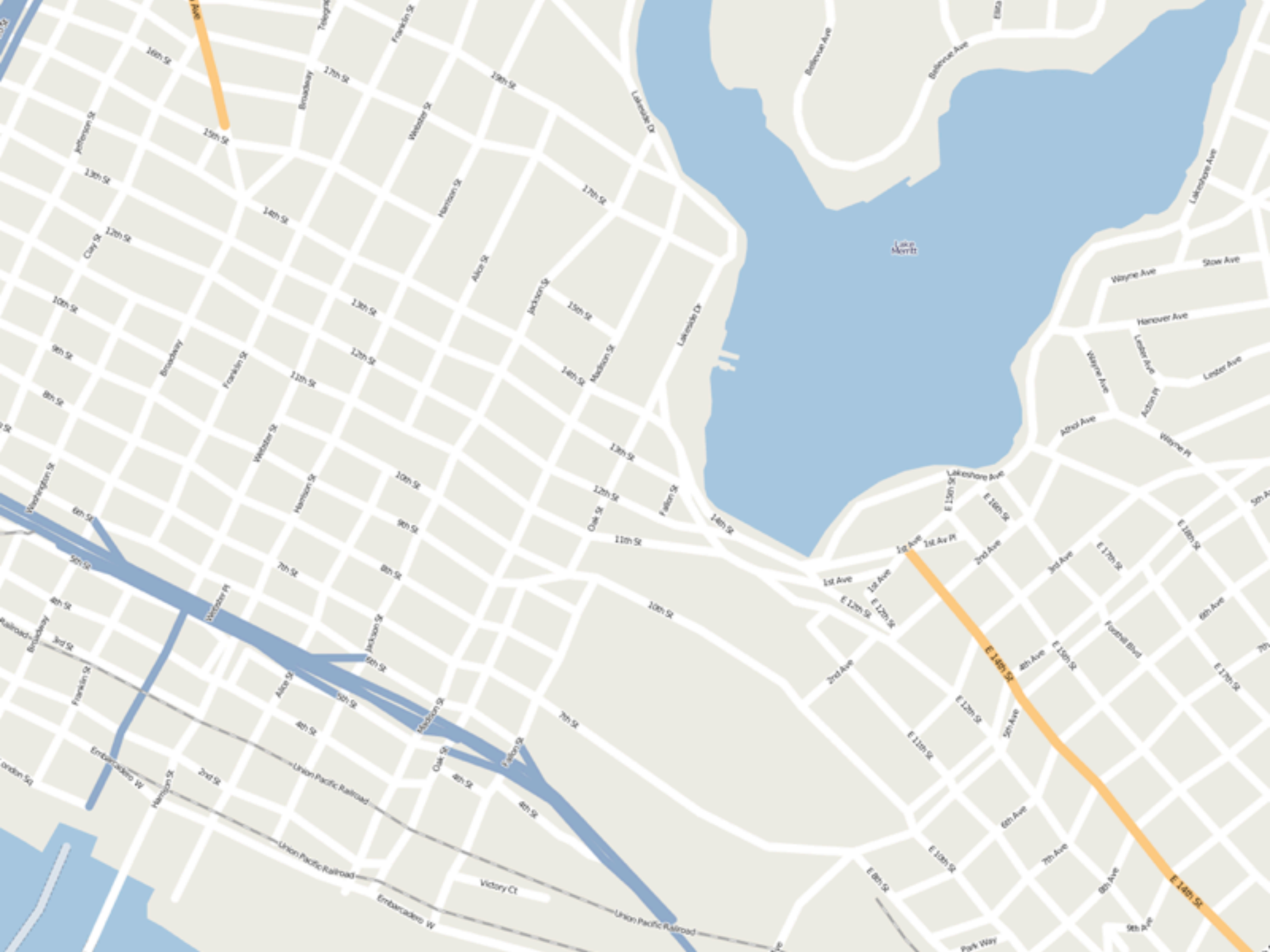


Autumn Pl
Alabama Dr
Dulles Park Ct
Herndon Middle School
Center St
Nash St
Rock Hill Rd
Innovation Ave
Maleady Dr
Monaghan Dr
Cypress Tree Pl
Florida Ave
Alabama Dr
Arkansas Ave
Patrick Ln
Pickett Ln
Archer Ct
Bruce Ct
Palmer Dr
Virginia Ave
Bruin Park
Farougi Ct
Parcher Ave
Christy Pl
Springer Dr
Saunders Dr
Poener Pl
Dulles Access Rd
Sunrise Valley Dr
VA 267
Dulles Toll Rd
Chandon Park
Herndon Pky
Missouri Ave
Senate Ct
Van Buren St
Campbell Way
Horse Pen Rd
Worldgate Dr
Current Dr
Dulles Technology Dr
Sunrise Valley Dr
Woodland Park Rd
Wood Oak Dr
Centreville Rd
Coates Elementary School
River Birch Rd
Coppermine Rd
Misty Dawn Dr
Fox Mill Rd
Corporate Park Dr
East Park Dr
Monroe St
P



Christy Pl
Berger Pl
Oram Pl
Springer Dr
Keach Pl
Saunders Dr
Preuit Pl
Shea Pl
Aiken Pl
Apgar Rd
Poener Pl
Parcher Ave
Ferguson Pl
Hutchison Elementary School
Arkansas Ave
Spruce Ct
Chandon Park
Dulles Toll Rd
VA 267
Horse Pen Rd
Wiltshire Ct
Wilkes Way
Worldgate Dr
Sunrise Valley

CC :Flickr:law_keven



Lake Merritt
Lakeside Dr
Lakeshore Ave
Bellevue Ave
Wayne Ave
Stow Ave
Hanover Ave
Lester Ave
Athol Ave
Wayne Pl
Actin Pl
Foothill Blvd
E 14th St
E 15th St
E 16th St
E 17th St
E 18th St
E 12th St
E 11th St
E 10th St
E 8th St
1st Ave
1st Av Pl
2nd Ave
3rd Ave
4th Ave
5th Ave
6th Ave
7th Ave
8th Ave
9th Ave
Park Way
Union Pacific Railroad
Embarcadero W
Victory Ct
Broadway
Franklin St
Webster St
Harrison St
Jackson St
Alice St
Madison St
Oak St
Fallon St
Clay St
Jefferson St
Washington St
Telegraph
16th St
17th St
19th St
15th St
13th St
14th St
12th St
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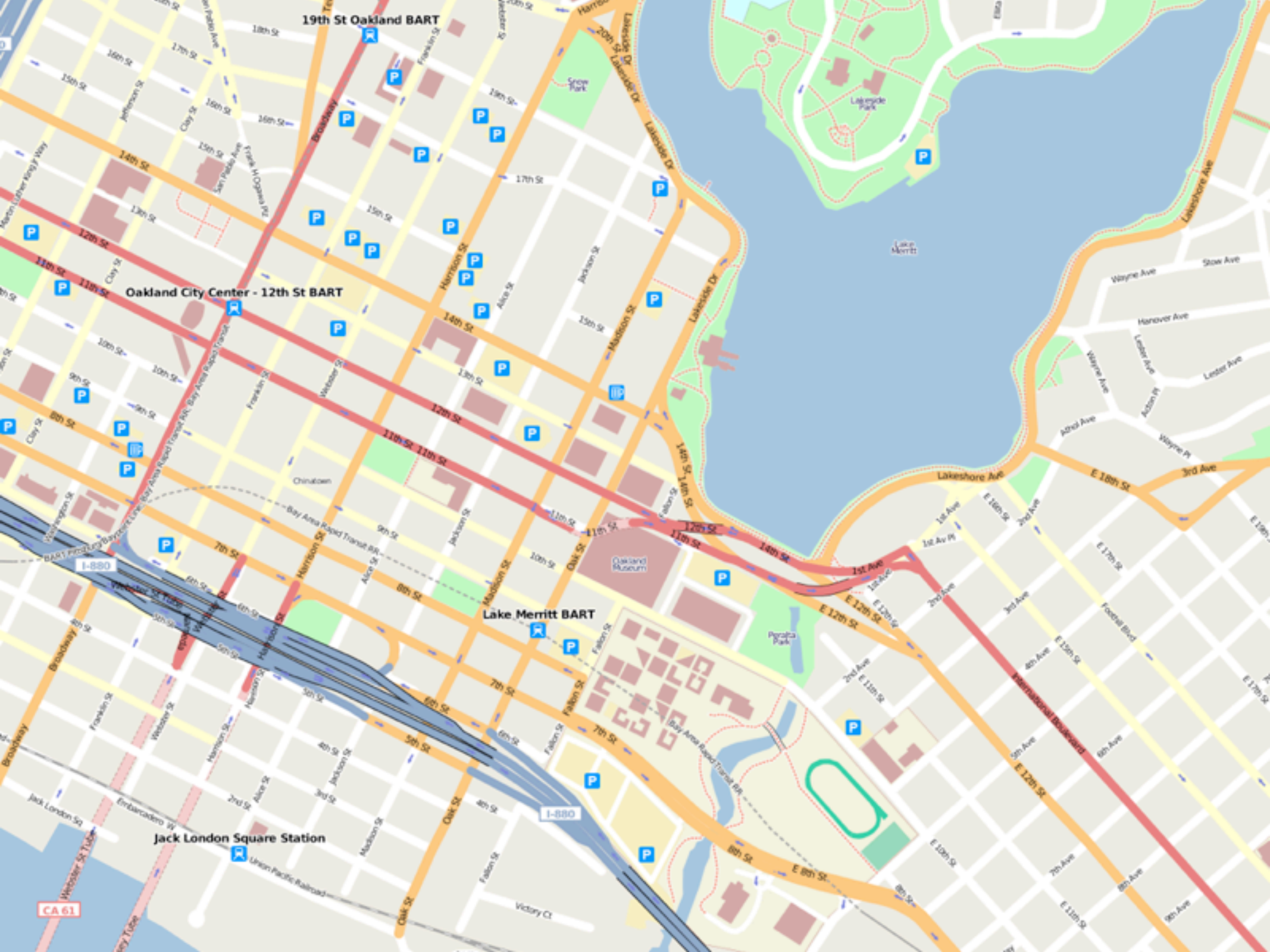
3rd St
2nd St
Railroad
London Sq

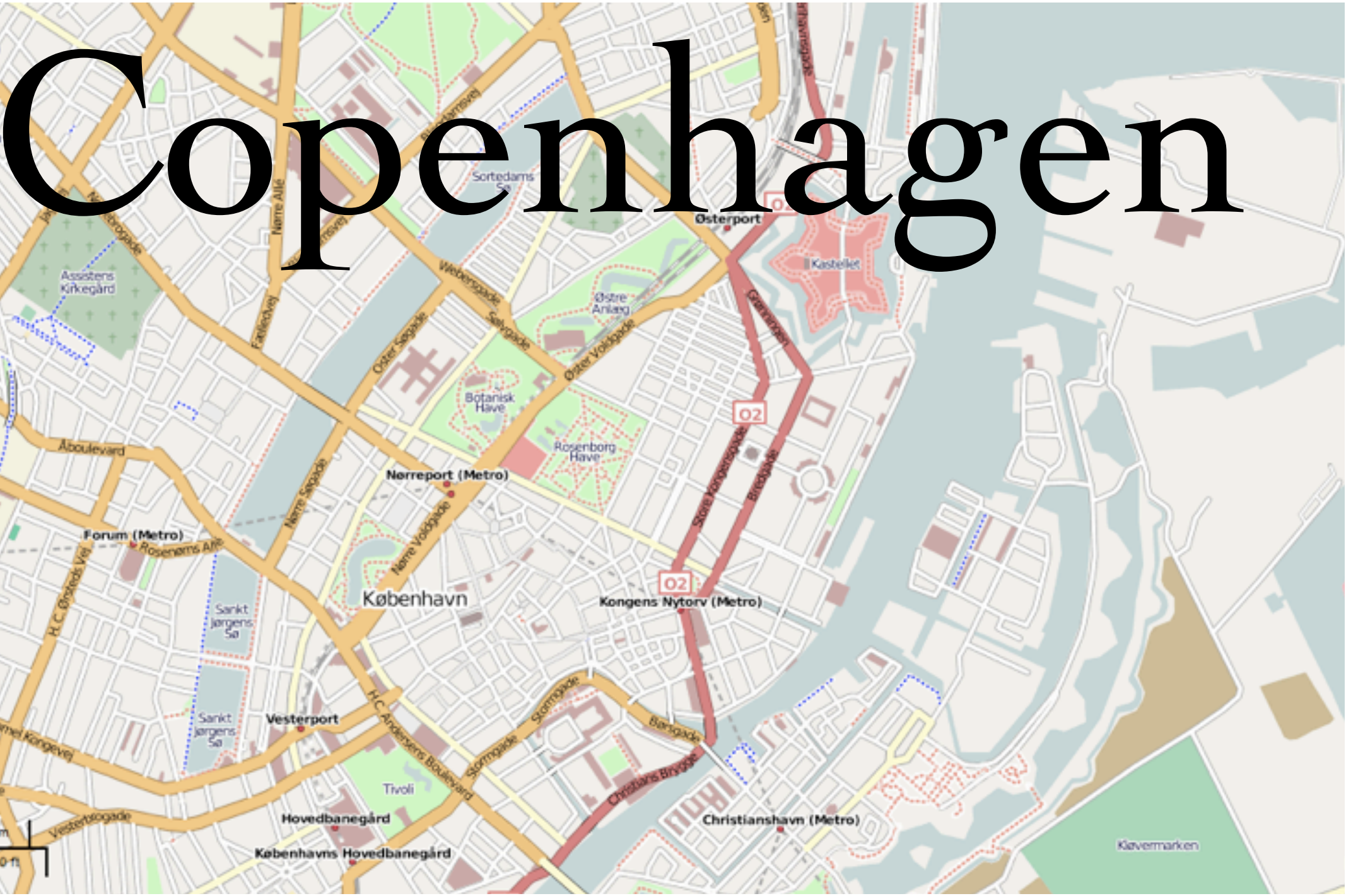

19th St Oakland BART
Oakland City Center - 12th St BART
Lake Merritt BART
Jack London Square Station
Lake Merritt
Lakeside Park
Snow Park
Chinatown
Oakland Museum
Peralta Park
Broadway
Harrison St
Madison St
Oak St
Fallon St
Lakeside Dr
Lakeshore Ave
International Boulevard
14th St
12th St
11th St
8th St
7th St
6th St
5th St
E 8th St
E 12th St
E 18th St
1st Ave
3rd Ave
I-880
CA 61
Union Pacific Railroad
Embarcadero W
Jack London Sq
Victory Ct
Webster St Tube
Bay Area Rapid Transit RR
Wayne Ave
Stow Ave
Hanover Ave
Lester Ave
Athol Ave
Foothill Blvd

Berlin

B 96
B 96a
Prenzlauer Berg
Friedrich-Krause-Ufer
Torstraße
Turmstraße
Alt Moabit
Mitte
Hansaviertel
Straße des 17. Juni
Tiergarten
B 2
B 2; B 5
B 2;B 5
B 1
B1
B 1
B1;B5
Friedrichshain
Leipziger Straße
Kreuzberg
Skalitzer Straße
B 179
Blücherstraße
Urbanstraße
Hasenheide
Dudenstraße
Yorckstraße
Kleiststraße
Bülowstraße
Lietzenburger Straße
Kantstraße
Lützowufer
Köpenicker Straße
Mühlenstraße
Landsberger Allee
Friedenstraße
Mollstraße
Alt-Treptow
Puschkinallee
Straßau

Mähnenwölfe
Tropenbären
Flußpferde
Spielplatz
Pinguine
Rosa-Luxe
Zebras
Antilopen
Zoologischer Garten Berlin
Robben
Rinder
Büffel
Bisons
Antilopen
Antilopen
Zebras
Hardenbergplatz
Zoologischer Garten Berlin
Elefanten
Antilopen
Hirsche
Giraffen
Antilopen
Flamingos
Tiger
Pandas
Bonobos
Gorillas
Affen
Löwen
Gibbons
Schimpansen
Pelikane
Orang-Utans
Zoo Palast
Aquarium

Copenhagen



Sortedams Sø
Østerport
Kastellet
Assistens Kirkegård
Nørre Allé
Webersgade
Sølvgade
Øster Søgade
Øster Voldgade
Østre Anlæg
Botanisk Have
Rosenborg Have
Grønningen
O2
Åboulevard
Nørreport (Metro)
Nørre Søgade
Nørre Voldgade
Store Kongensgade
Bredgade
Forum (Metro)
Rosenørns Allé
H.C. Ørsteds Vej
København
Kongens Nytorv (Metro)
Sankt Jørgens Sø
Vesterport
H.C. Andersens Boulevard
Stormgade
Børsgade
Christians Brygge
Tivoli
Hovedbanegård
Københavns Hovedbanegård
Christianshavn (Metro)
Kløvermarken
Vesterbrogade

Amsterdam

S101
A10
N200
Haarlemmerweg
Amsterdam
S116
S112
Overtoom
Rietlandpark
Zuiderzeeweg
A1

Madrid

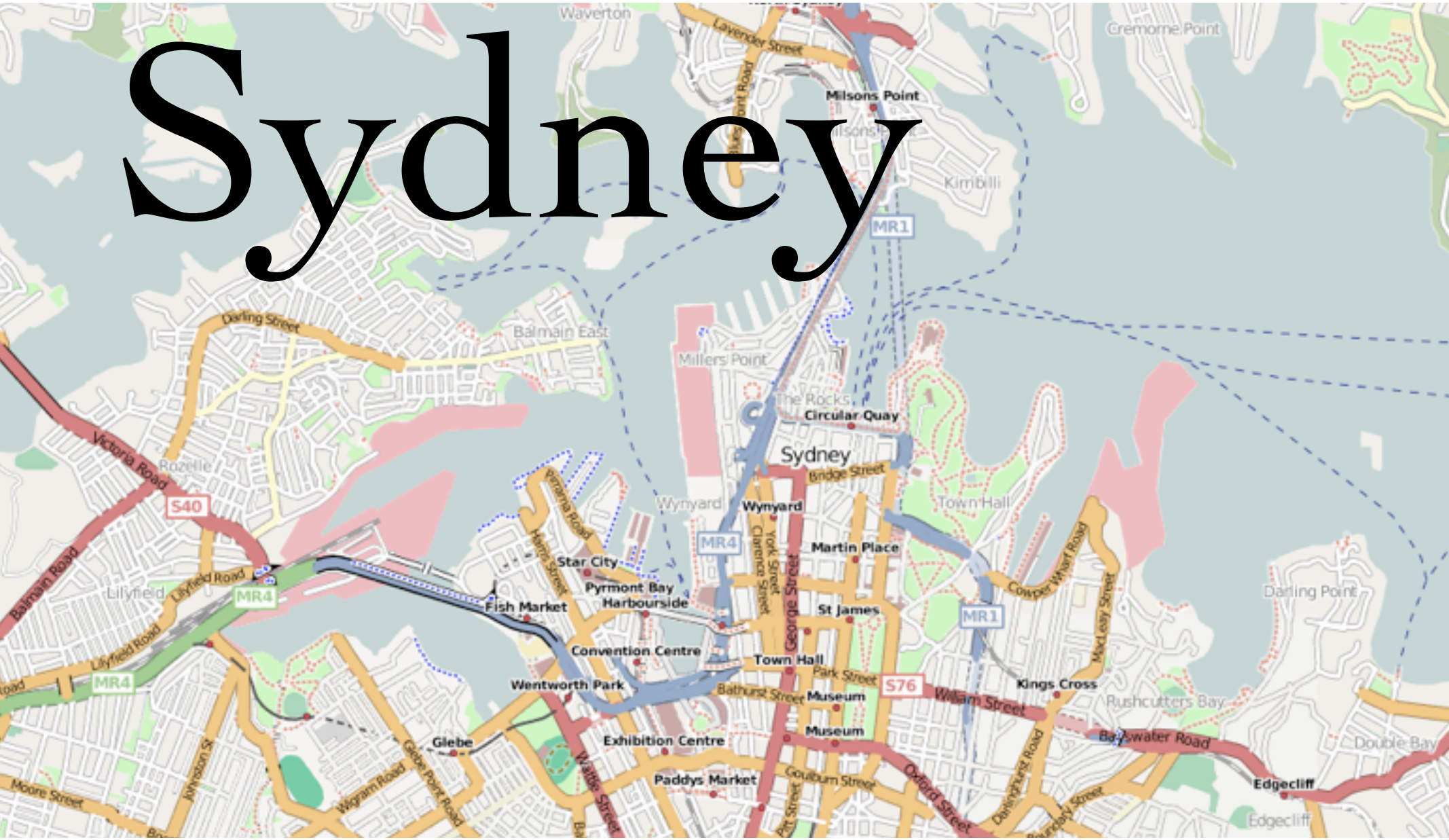
San Bernardo
Bilbao
Colón
Serrano
Velázquez
Lista
Ventas
Manuel Becerra
Goya
Calle de Alcalá
O'Donell
Principe de Vergara
Calle de O'Donnell
Retiro
Noviciado
Plaza de España
Chueca
Principe Pio
Principe Pio
Santo Domingo
Gran Via
Gran Via
Banco de España
Sevilla
Sol
Campo del Moro
Lago
Sainz de Baranda
Parque del Buen Retiro
Avenida de Menéndez Pelayo
Calle del Doctor Esquerdo
A-5
Puerta del Ángel
Tirso de Molina
Antón Martín
La Latina
Atocha
Lavapiés
Conde de Casal
Puerta de Toledo
Atocha Renfe
Ronda de Toledo
Ronda de Valencia
Embajadores
Acacias
Pirámides
Avenida de la Ciudad de Barcelona
Pacífico
Calle de Méndez Alvaro
Paseo de las Delicias
Paseo del Prado
Paseo de Recoletos
Paseo de la Castellana
Calle de Serrano
Calle de Almagro
Calle de Alberto Aguilera
Cuña Verde de la Latina
M-30
Pradera de San Isidro
Marqués de Vadillo
Méndez Álvaro
Urgel

NYC

Harrison St
Franklin St
White St
Walker St
Leonard St
Thomas St
Worth St
Centre St
Baxter St
Hester St
Chinatown
Bayard St
Pell St
Mosco St
Division St
E Broadway
Henry Street Settlement
Henry St
Madison St
Cherry St
Monroe St
Knickerbocker Village
Water St
South St
Park Row
Pearl St
Murray St
Vesey St
Barclay St
Park Pl
Church St
Dey St
Liberty St
Cedar St
Albany St
Rector Pl
Carlisle St
Rector St
W Thames St
Bowling Gm
1st Pl
West Street
West Side Highway
Battery Park City
World Trade Center Site
Brooklyn Brg
Manhattan Brg
F D R Dr
St James Pl
Oliver St
Catherine St
Market St
Pike St
Dover St
Beekman St
Spruce St
Ann St
Fulton St
Gold St
Nassau St
William St
John St
Platt St
Cliff St
Front St
Pine St
Wall St
Maiden Ln
Exchange Pl
New St
Beaver St
Broadway
Stone St
Bridge St
State St
Whitehall St
Old Slip
Doughty St
Poplar St
Middagh St
Cranberry St
Plymouth St
York St
Prospect St
Sands St
Jay St
Flatbush
Broome St
Grand St
Forsyth St
Allen St
Orchard St
Ludlow St
Suffolk St
Clinton St
Pitt St
Amalgamat
Montgomery St
Gouverneur St
Bridge St

Baghdad
بغداد

Sydney



Waverton
Lavender Street
Milsons Point
Cremorne Point
Kimbilli
MR1
Darling Street
Balmain East
Millers Point
The Rocks
Circular Quay
Sydney
Bridge Street
Victoria Road
Rozelle
S40
Wynyard
Town Hall
MR4
Martin Place
Star City
Pyrmont Bay
Harbourside
Fish Market
Lilyfield
Lilyfield Road
Balmain Road
St James
Cowper Wharf Road
Darling Point
Convention Centre
Town Hall
Park Street
S76
Kings Cross
Wentworth Park
Bathurst Street
Museum
William Street
Rushcutters Bay
Glebe
Exhibition Centre
Museum
Bayswater Road
Double Bay
Paddys Market
Goulburn Street
Oxford Street
Edgecliff
Moore Street
Johnston St
Wigram Road
Glebe Point Road
Wattle Street
Pitt Street
Darlinghurst Road
Boundary Street

Pretoria

Aldara Park
Linden
Blackheath
Montroux
Emmarentia
Valeriedene
Waterval Estate
Montgomery Park
Greenside
Parkwood
Saxonwold
Greymont
Albertville
Bergbron
Westcliffe
Delarey
Montclare
Newlands
Triomf
Westdene
Melville
Claremont
Westbury
Parktown
Newclare
Bosmont
Coronationville
Rossmore
Auckland Park
Cottesloe
Brixton
Crosby
Vrededorp
Mayfair West
Langlaagte North
Riverlea
Paarlshoop
Fordsburg
Braamfontein
Hillbrow
Berea
Yeoville
Bellevue
Observatory
Cyrildene
Linksfield Ridge
Linksfield
Orange Grove
Sydenham
Orchards
Norwood
Houghton Estate
Riviera
Killarney
Oaklands
Melrose
Birdhaven
Melrose North
Birnam Park
Savoy Estate
Waverley
Glenhazel
Fairmount
Bezuidenhoutsvallei
Bertrams
Doornfontein
Kensington
Jeppestown
Malvern
Denver
Ophirton
M8
M18
M10
M5
M17
M1
M27
M9
M2
M31
R24
R41
R25
N1
Main Road
Long Road
Perth Road
Empire Road
Marshall Street
Kitchener Avenue
Roberts Avenue
Jules Street
Bezuidenhout Ave
Pretoria Ave
Glenhouse Road
11th Avenue
Ivy Road
1st Ave
Main Rd
Main Road Rd
Oxford Road
Osborn Road
Grant Avenue
Louis Botha Avenue
Jan Smuts Avenue
Barry Hertzog
Greenhill Road
Beyers Naude Drive
Miner Road
Preller Drive
5th Street
Russik Street
Summonds Street
Sauer Street
Heidelberg Road S

avenue de Loua
boulevard du 30 juin
Kinshasa
avenue Kabambare
avenue sergent Moke
avenue Pierre Mulele
avenue de l'OUA
Kinsuka
RN1
avenue Kasa-Vubu
avenue Sendwe
avenue Bongolo
avenue Ngiri-Ngiri
avenue Pierre Elengesa
avenue de l'Université
boulevard Lumumba

Kinshasa

SF

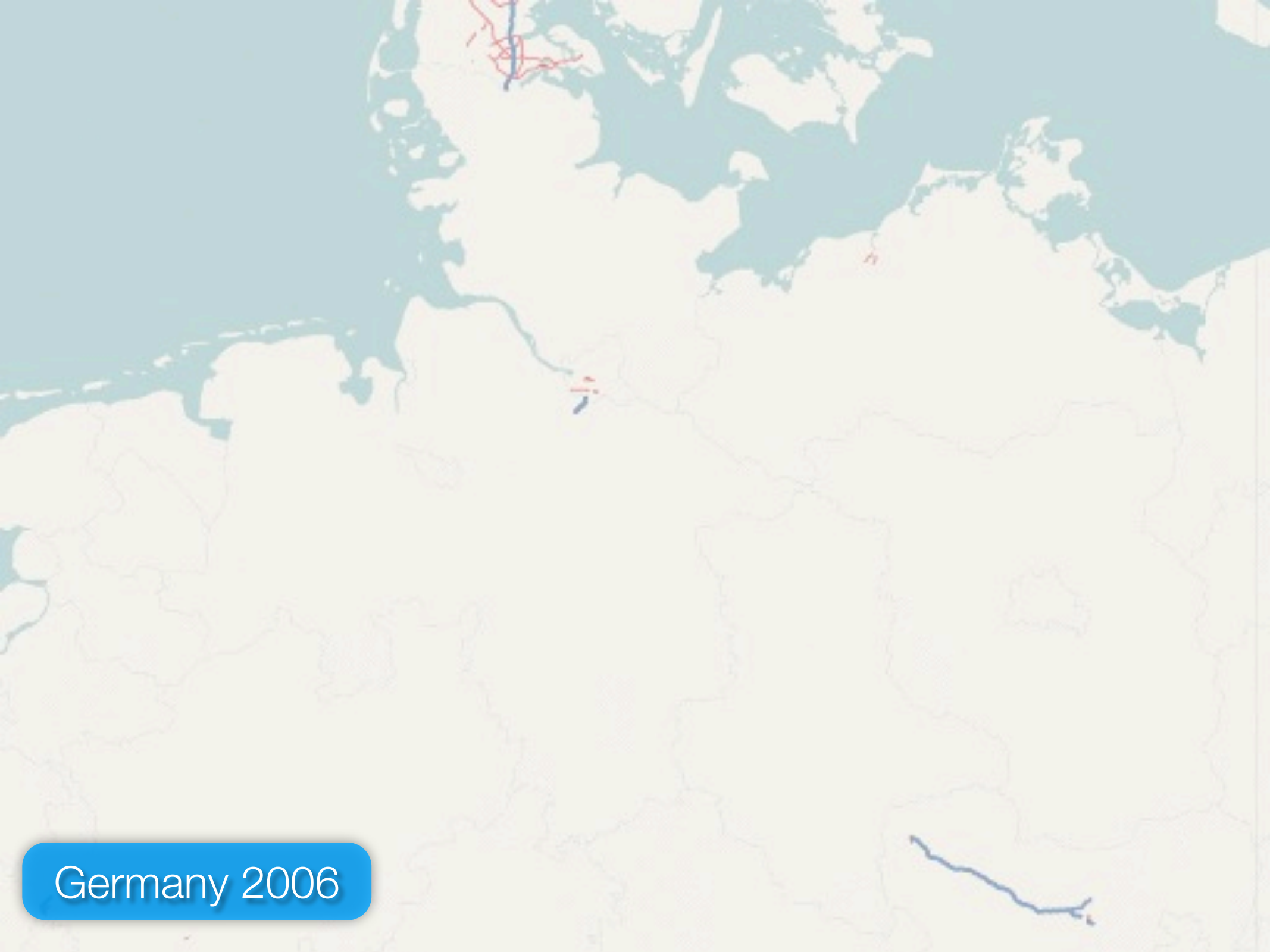
Marina Blvd
Marina District
North Beach
The Embarcadero
Columbus Ave
Chinatown
I-80
United States Highway 101
Fort Winfield Scott
Lombard St
Divisadero St
Webster St
Van Ness Ave
US-101
Seacliff
Presidio Terrace
Jordan Park
Geary Blvd
Market St
Mission St
Opera Plaza
Friendship Village
CA-1
Fell St
Oak St
John F Kennedy Dr
Crossover Dr
Great Hwy
Lincoln Way
Park View Commons
Valencia Gardens
280
3rd St
Dolores St
Guerrero St
Dolores St
Polvero Ave
I 280
Doelger City
Sunset District
Upper Great Hwy
Sunset Blvd
19th Ave
Forest Hill
Portola Dr
Cesar Chavez St
Village Square
Vista Del Monte
Gold Mine Hill
Glenridge
Bay Shore Blvd
I-280

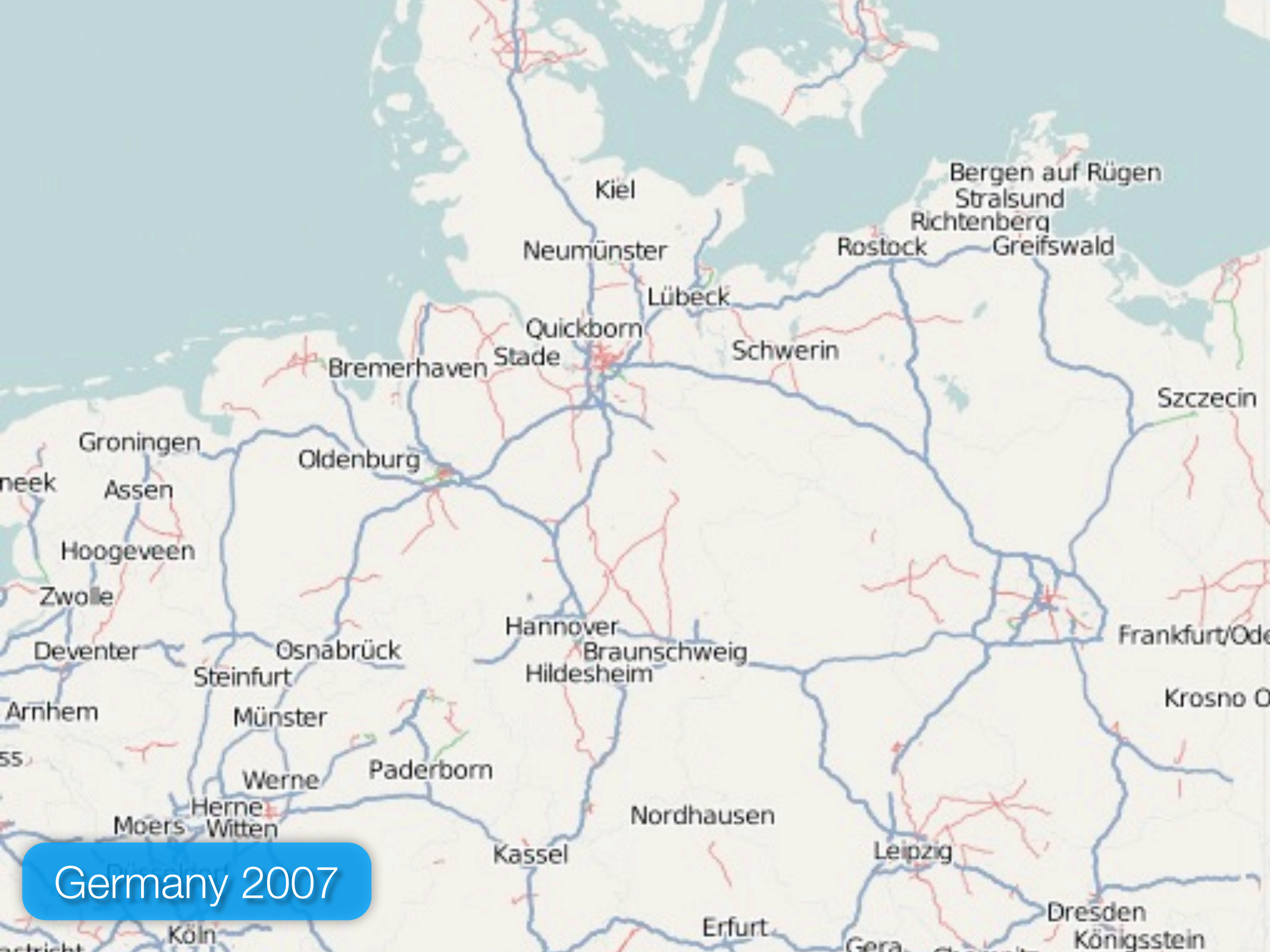
Davis

W Covell Blvd
Davis Senior High School
Emerson Junior High School
Mace Ranch Park
5th St
5th St
5th St
Russell Blvd
Davis
I-80
I-80
I-80

Toronto

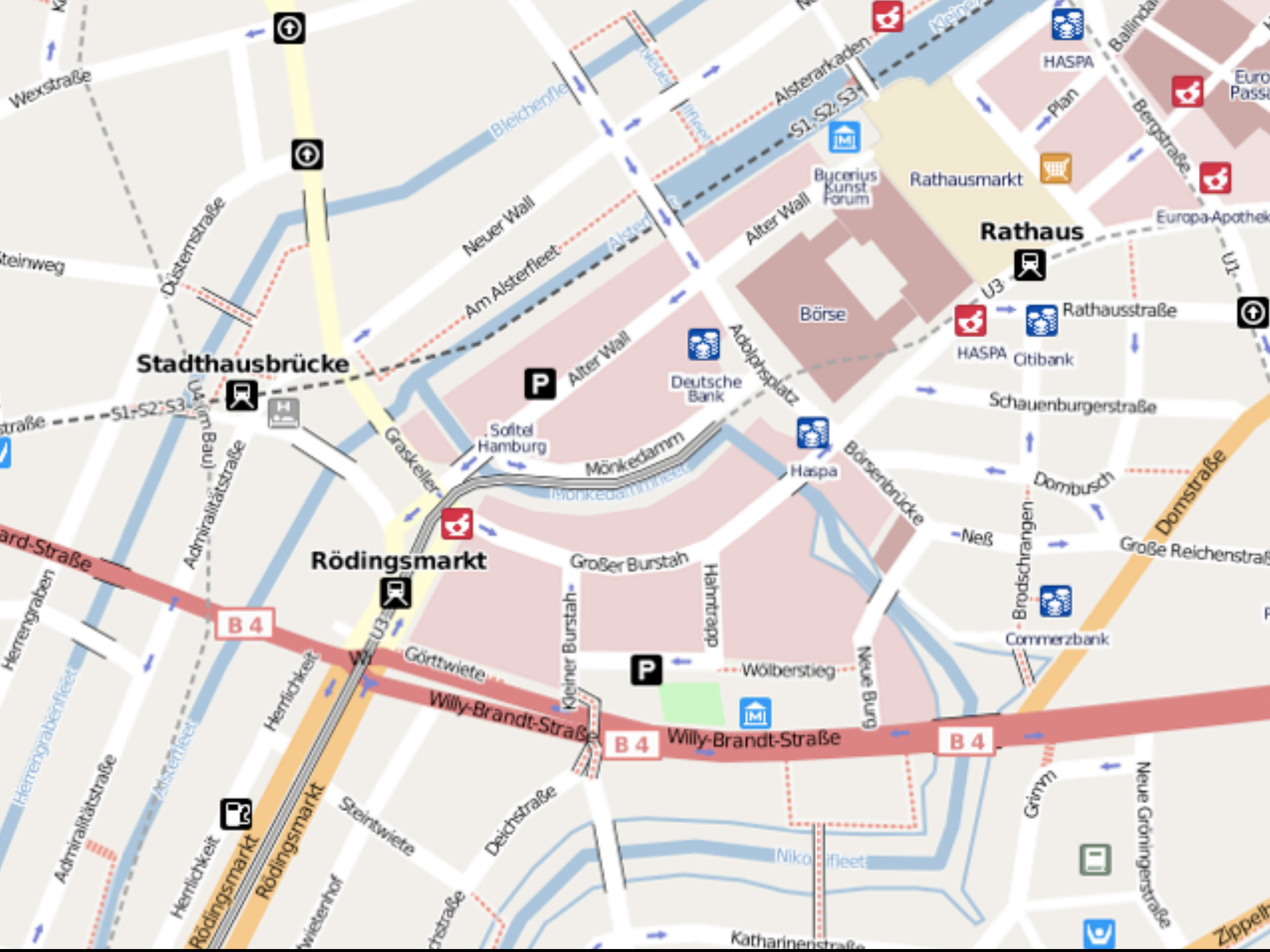
Spadina
Bay
Lowther Avenue
Cumberland Street
Hayden Street
Linden Street
Charles Street East
Isabella Street
St. George
Bloor Street West
Earl Street
Gloucester Street
Irwin Avenue
Dundonald Street
Wellesley Street East
Wellesley
Yonge Street
Bay Street
St. Joseph Street
Wellesley Street West
Maitland Street
Alexander Street
Wood Street
Homewood Avenue
Sussex
Sussex Avenue
Hoskin Avenue
Queen's Park
University of Toronto
Harbord
Harbord Street
Grosvenor Street
Grenville Street
College
Carlton-Street
Willcocks
Willcocks Street
King's College Circle
Granby Street
McGill Street
Jarvis Street
Queen's Park
College-Street
Russell Street
Spadina Crescent
Church-Street
Victoria Street
O'Keefe Lane
Gould Street
College/Spadina
506 Carlton
Bathurst-Street
Cecil Street
Oxford Street
Nassau
Nassau Street
Elm Street
Dundas
Dundas-Street-East
St Patrick
D'arcy Street
Dundas-Street-West
Shuter Street
Bond Street
Dundas/Spadina
505 Dundas
Queen


Germany 2006

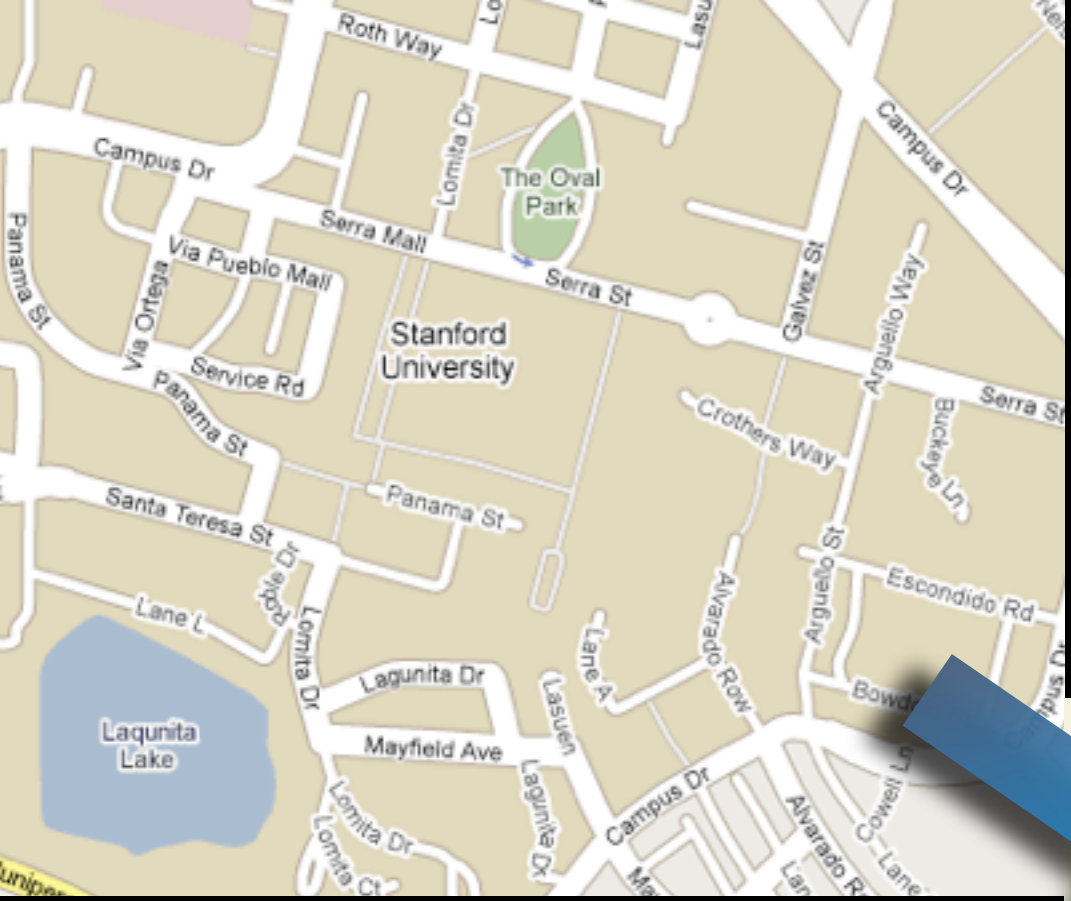

Kiel
Bergen auf Rügen
Stralsund
Richtenberg
Neumünster
Rostock
Greifswald
Lübeck
Quickborn
Stade
Schwerin
Bremerhaven
Szczecin
Groningen
Oldenburg
Assen
Hoogeveen
Zwolle
Hannover
Deventer
Osnabrück
Braunschweig
Frankfurt/Ode
Steinfurt
Hildesheim
Arnhem
Münster
Krosno O
Paderborn
Werne
Herne
Nordhausen
Moers
Witten
Kassel
Leipzig
Dresden
Erfurt
Köln
Königsstein
Germany 2007

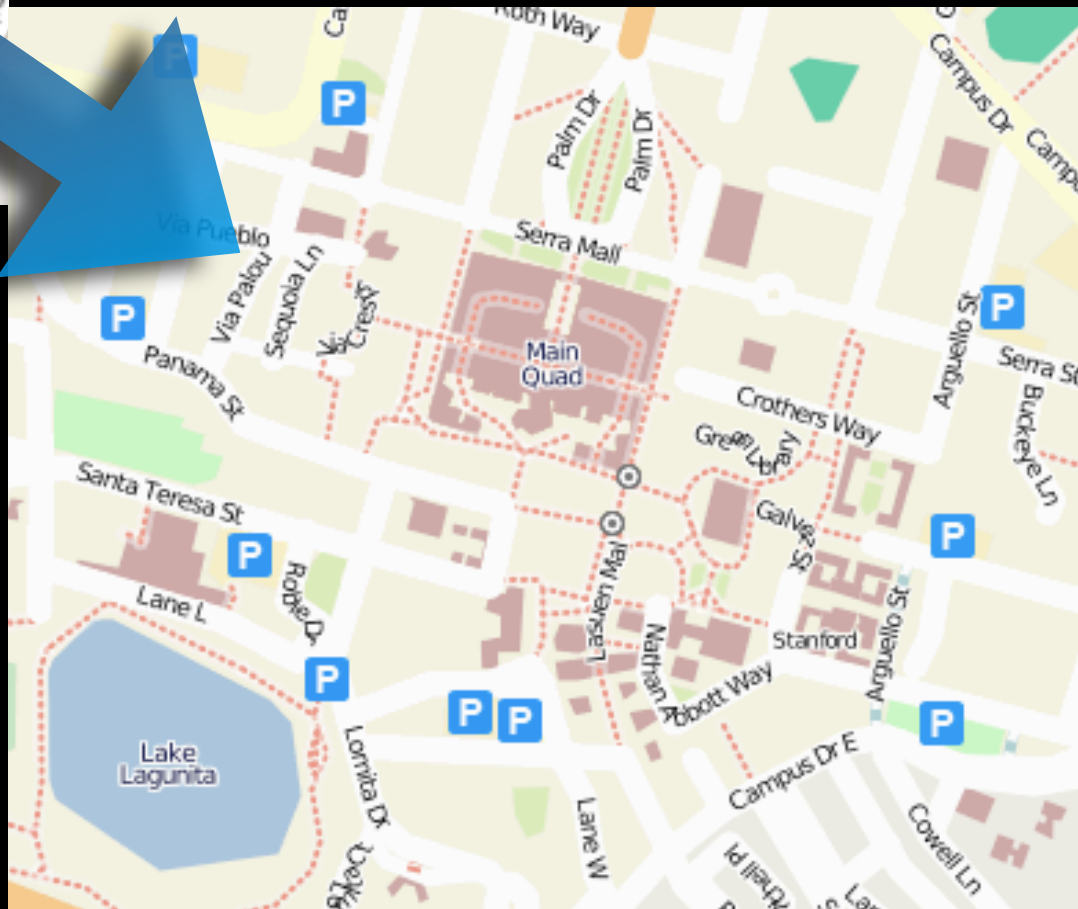
Rønne
Kiel
Rostock
Lübeck
Bremerhaven
Hamburg
Szczecin
Bremen
Assen
Emmen
Zwolle
Berlin
Potsdam
Hannover
Wolfsburg
Braunschweig
Osnabrück
Enschede
Hildesheim
Magdeburg
Münster
Bielefeld
Paderborn
Cottbus
Recklinghausen
Göttingen
Halle (Saale)
Leipzig
Kassel
Leverkusen
Dresden
Erfurt

Germany 2008



Wexstraße
Bleichenfle
Alsterarkaden
S1, S2, S3
HASPA
Plan
Bergstraße
Bucerius Kunst Forum
Rathausmarkt
Europa-Apothek
Rathaus
Alter Wall
Neuer Wall
Am Alsterfleet
Düsternstraße
Steinweg
U3
U1
Börse
Rathausstraße
HASPA
Citibank
Stadthausbrücke
Alter Wall
Deutsche Bank
Adolphsplatz
Schauenburgerstraße
S1, S2, S3
Sofitel Hamburg
Graskeller
Mönkedamm
Haspa
Börsenbrücke
Dombusch
Domstraße
Admiralitätstraße
Neß
Große Reichenstraße
Rödingsmarkt
Großer Burstah
Hahntrapp
Brodschrangen
Commerzbank
B 4
Herrengraben
Görttwiete
Kleiner Burstah
Wölberstieg
Neue Burg
Willy-Brandt-Straße
Herrlichkeit
Grimm
Neue Gröningerstraße
Steintwiete
Deichstraße
Rödingsmarkt
Katharinenstraße


Roth Way
Campus Dr
Lomita Dr
The Oval Park
Serra Mall
Via Pueblo Mall
Serra St
Galvez St
Arguello Way
Buckeye Ln
Panama St
Via Ortega
Service Rd
Stanford University
Crothers Way
Santa Teresa St
Escondido Rd
Lane L
Lagunita Dr
Lane A
Alvarado Row
Arguello St
Mayfield Ave
Laguna Lake


Roth Way
Campus Dr
Palm Dr
Via Pueblo
Via Palou
Sequoia Ln
Via Crest
Serra Mall
Main Quad
Panama St
Crothers Way
Arguello St
Buckeye Ln
Santa Teresa St
Lane L
Galvez St
Lasuen St
Nathan Abbott Way
Stanford
Lake Lagunita
Lomita Dr
Lane W
Campus Dr E
Cowell Ln

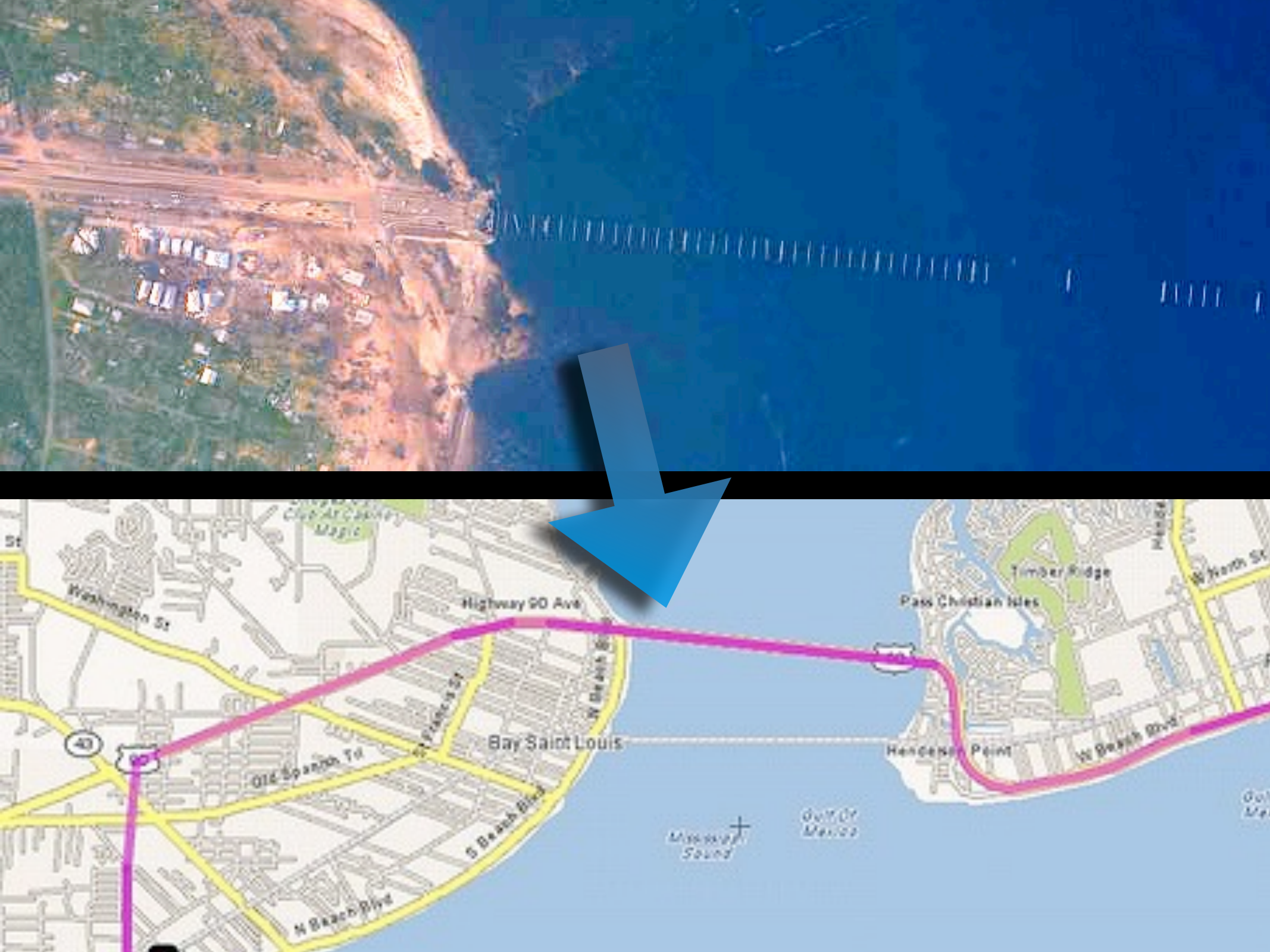
flickr

Before

Beijing

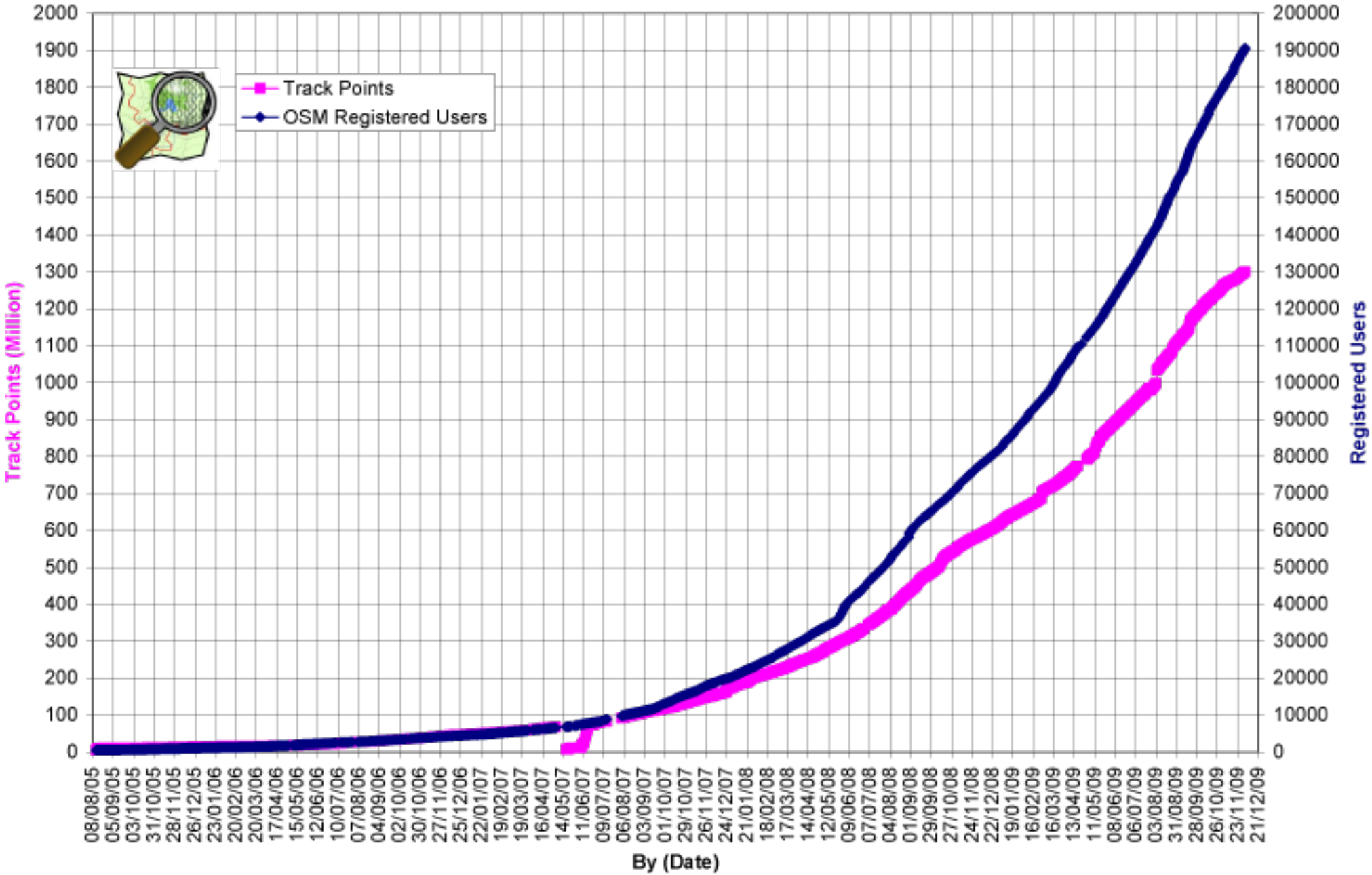
After

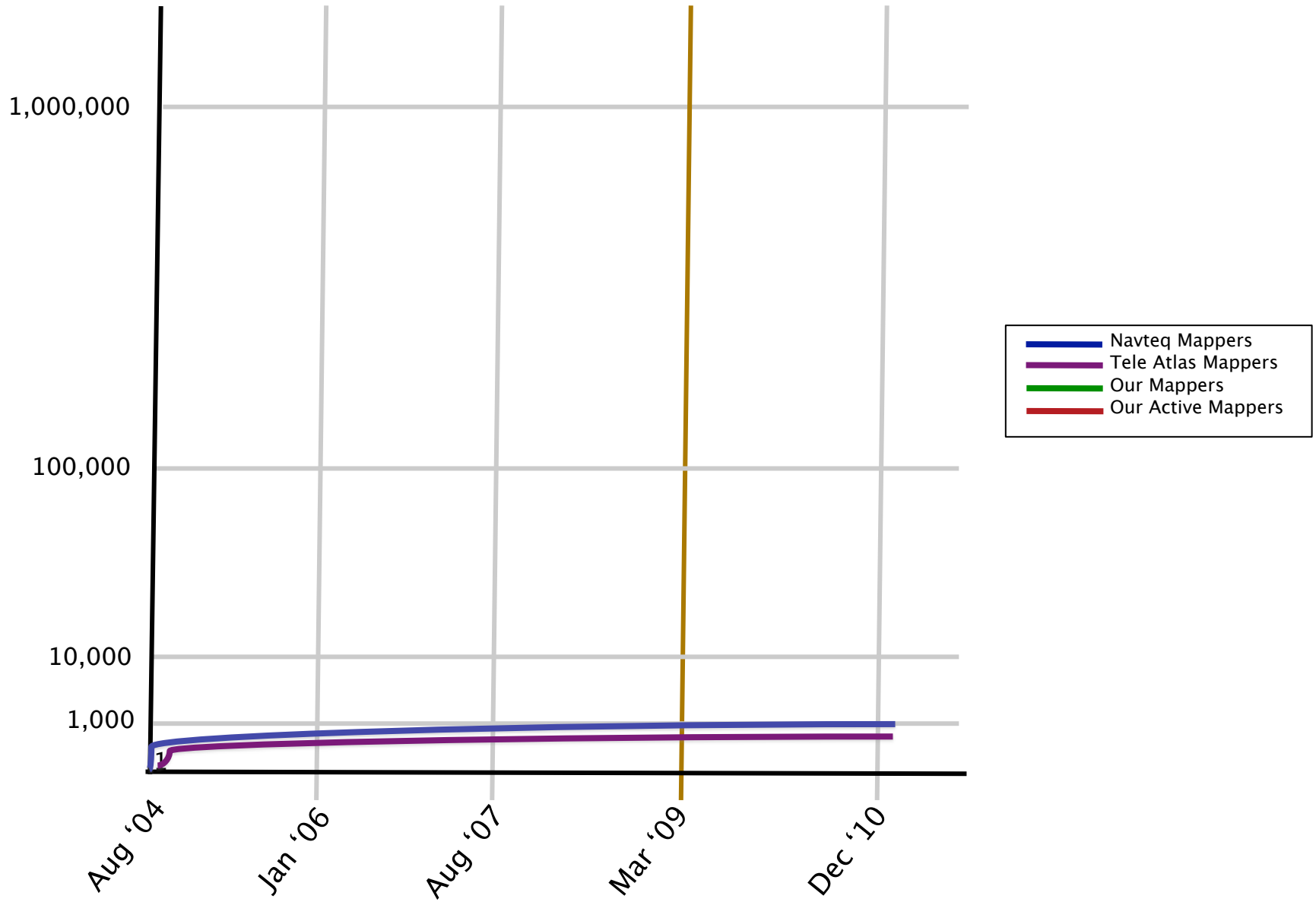
北京

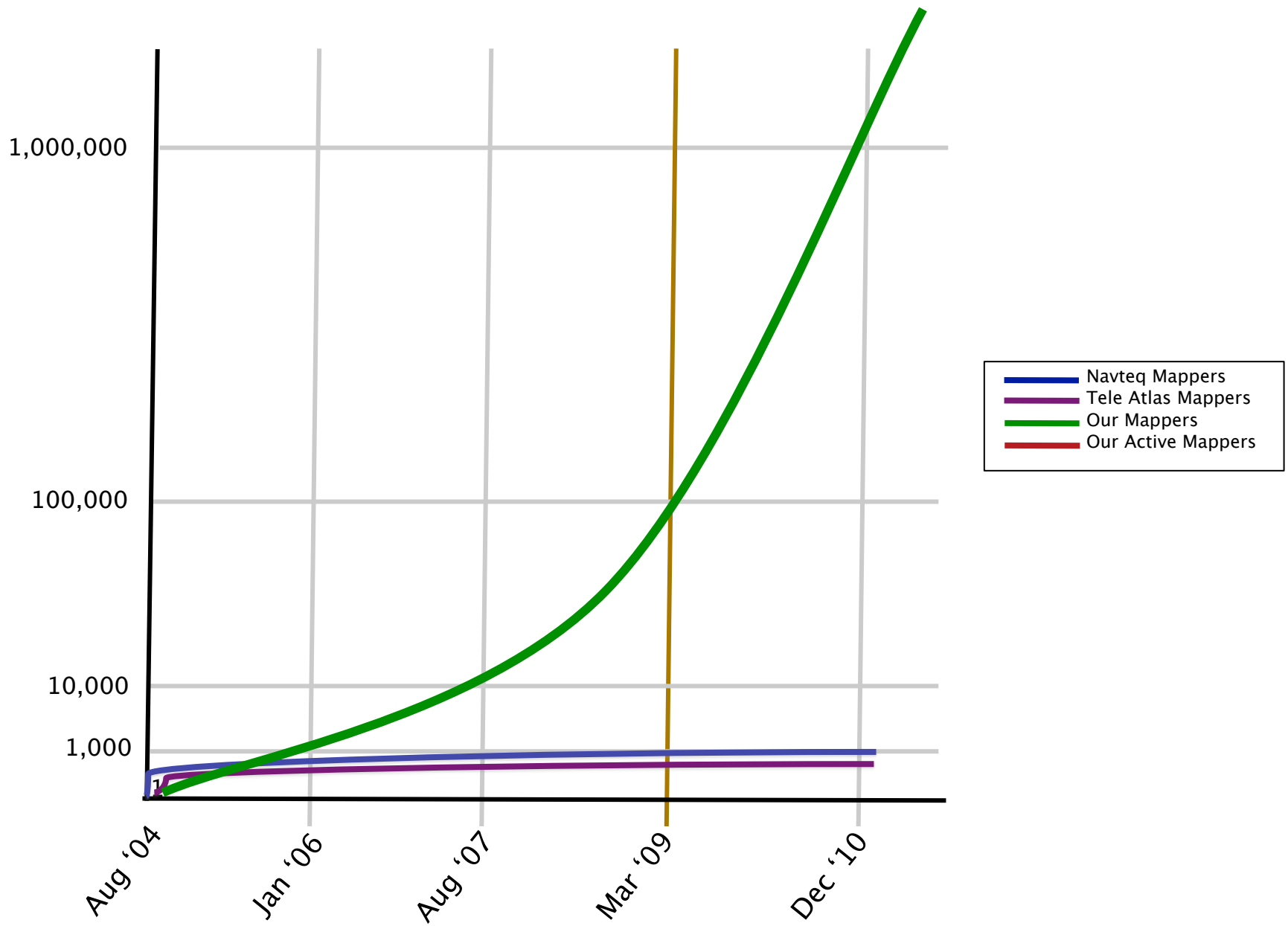

Highway 90 Ave
Washington St
Old Spanish Trl
N Beach Blvd
S Beach Blvd
Bay Saint Louis
Timber Ridge
Pass Christian Isles
W Beach Blvd
Mississippi Sound
Gulf Of Mexico

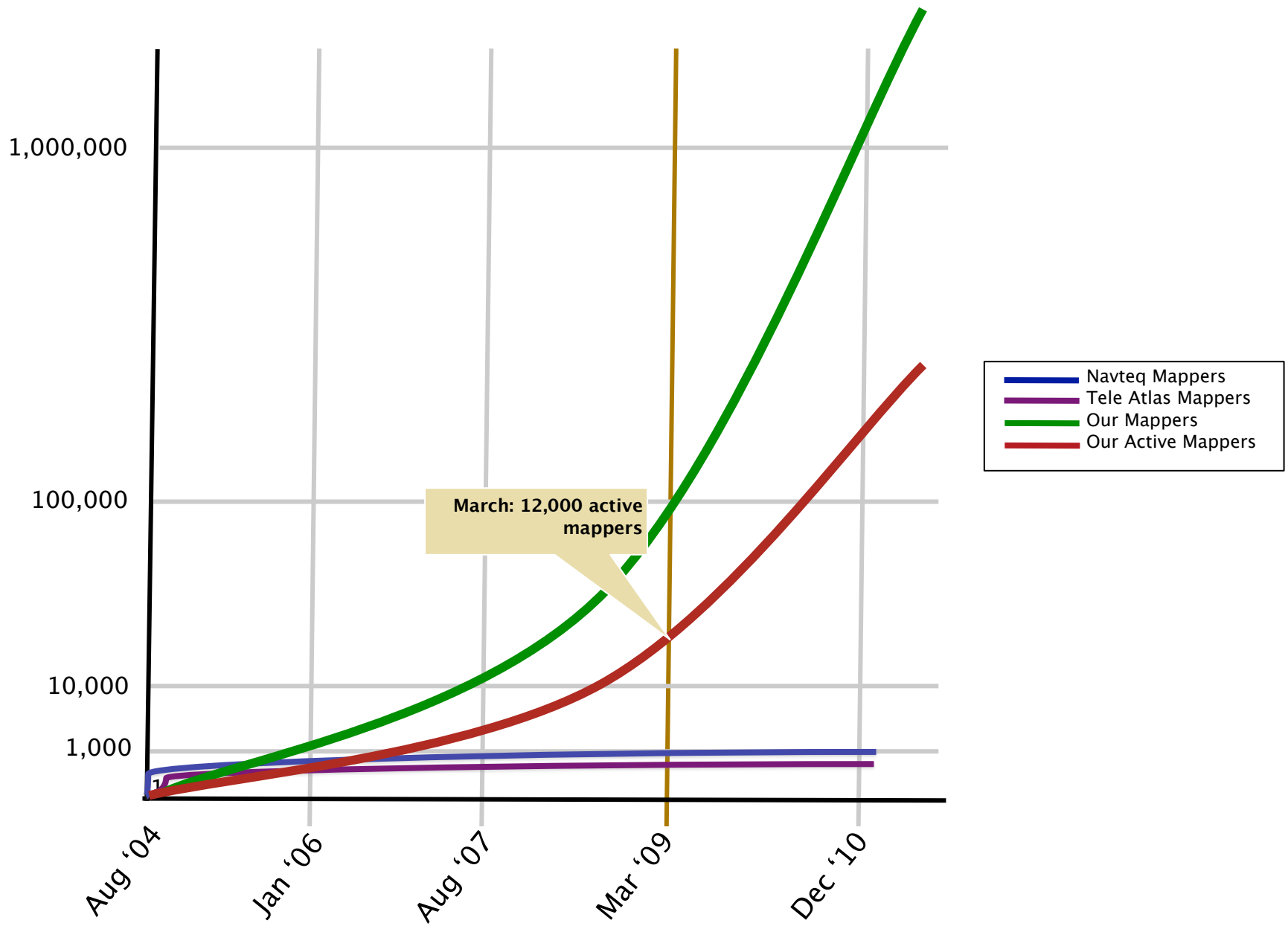
OpenStreetMap Database Statistics

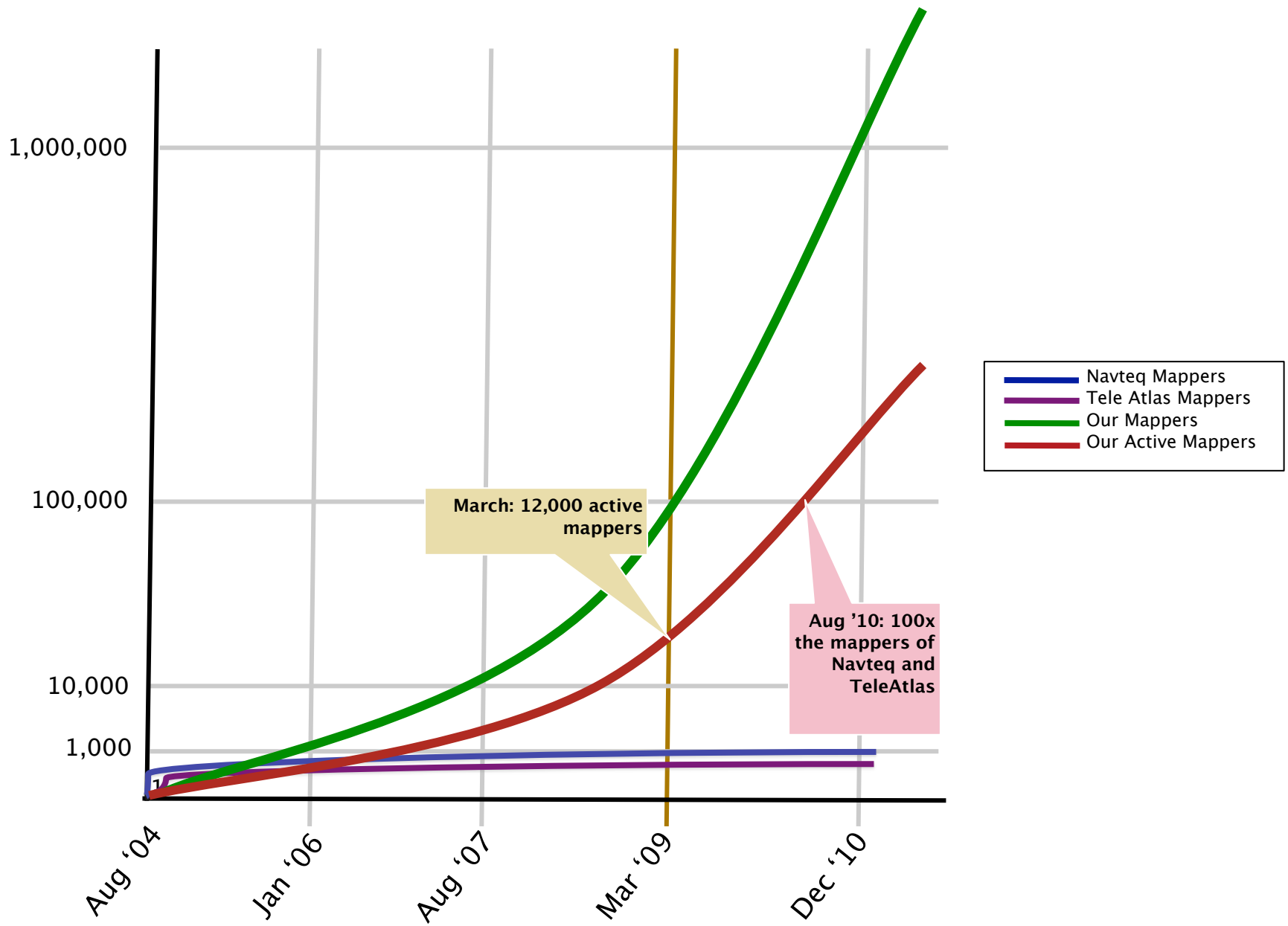
Users and User gpx Uploads (track points)

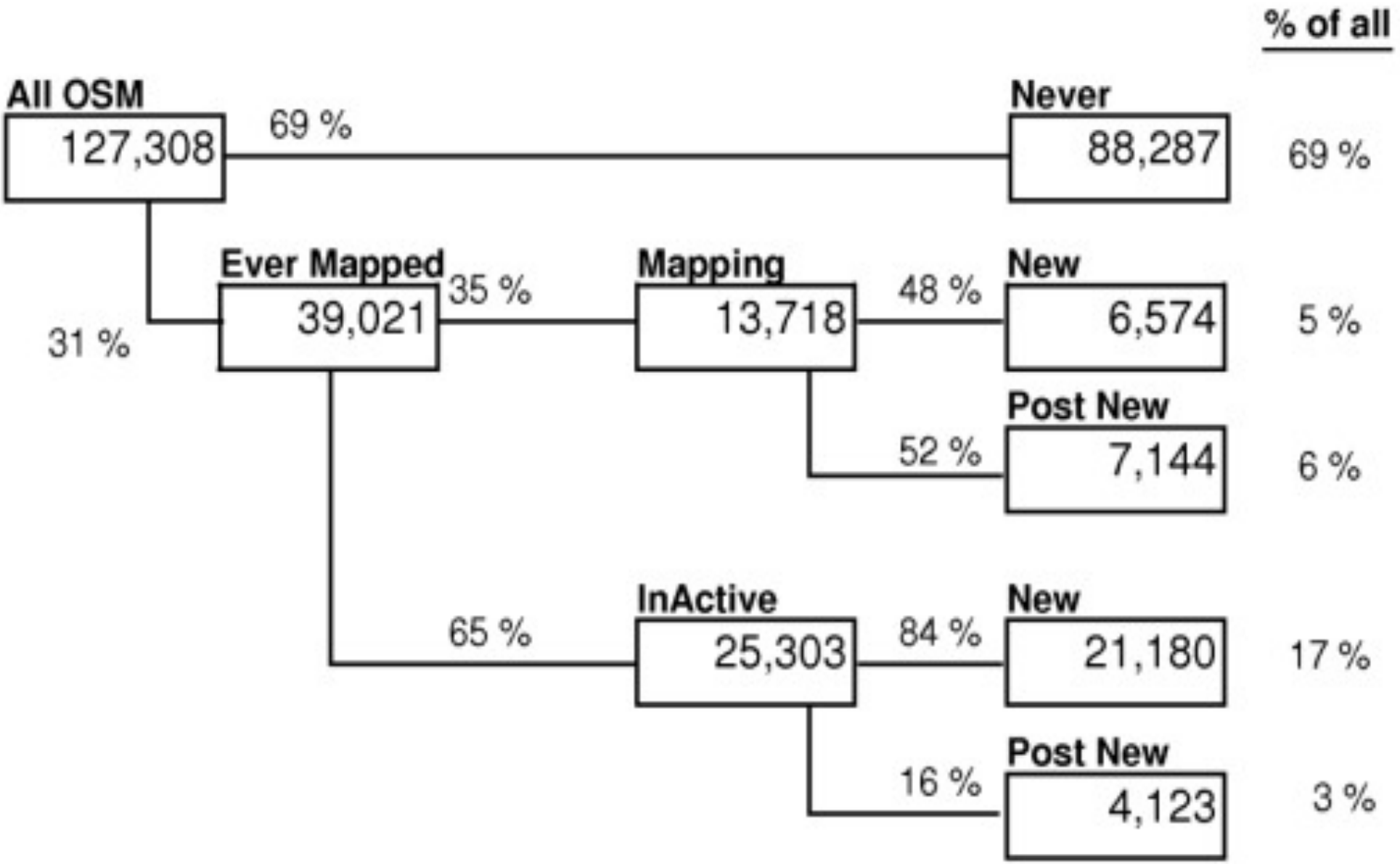



1,000,000
100,000
10,000
1,000
Aug '04
Jan '06
Aug '07
Mar '09
Dec '10
Navteq Mappers
Tele Atlas Mappers
Our Mappers
Our Active Mappers


1,000,000
100,000
10,000
1,000
Aug '04
Jan '06
Aug '07
Mar '09
Dec '10
Navteq Mappers
Tele Atlas Mappers
Our Mappers
Our Active Mappers


1,000,000
100,000
10,000
1,000
March: 12,000 active mappers
Aug '04
Jan '06
Aug '07
Mar '09
Dec '10
Navteq Mappers
Tele Atlas Mappers
Our Mappers
Our Active Mappers


1,000,000
100,000
10,000
1,000
Aug '04
Jan '06
Aug '07
Mar '09
Dec '10
March: 12,000 active mappers
Aug '10: 100x the mappers of Navteq and TeleAtlas
Navteq Mappers
Tele Atlas Mappers
Our Mappers
Our Active Mappers


% of all
All OSM
127,308
69 %
Never
88,287
69 %
31 %
Ever Mapped
39,021
35 %
Mapping
13,718
48 %
New
6,574
5 %
52 %
Post New
7,144
6 %
65 %
InActive
25,303
84 %
New
21,180
17 %
16 %
Post New
4,123
3 %

OpenStreetMap

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Map data www.openstreetmap.org 20 Dec 2008

Using OSM

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GARMIN

CC :Flickr:dharmasphere

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Viewing trace ostrachstr.gpx

Filename: ostrachstr.gpx (download)
Uploaded at: Thu Dec 13 11:42:43 +0000 2007
Points: 814
Start coordinate: 47.522993088; 10.282216072 (map / edit)
Owner: Klaus Winzek
Description: Ostrachstr
Tags: Germany Sonthofen

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upload GPX file: Choose File no file selected
description:
tags:
public? ☑
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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 & 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 morn* by SteveC in: mapchester manchester uk	☑	☐
mc-steve-7.gpx ... (5,175 points) ... on 14-May more / map *chris sunday morning*	☑	☐

tags

mapchester
manchester
uk
IoW
isleofwight
isle_of_wight
workshop1
Isleofwight
lewisham
wandsworth
bloomsbury
london
M25
M1
M40
horsham
guildford
A248
A25
A2003
A281
test
littlehaven

Help & Wiki
News blog
Shop

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Free Wiki World Map

& Wiki
' diaries
blog

the first
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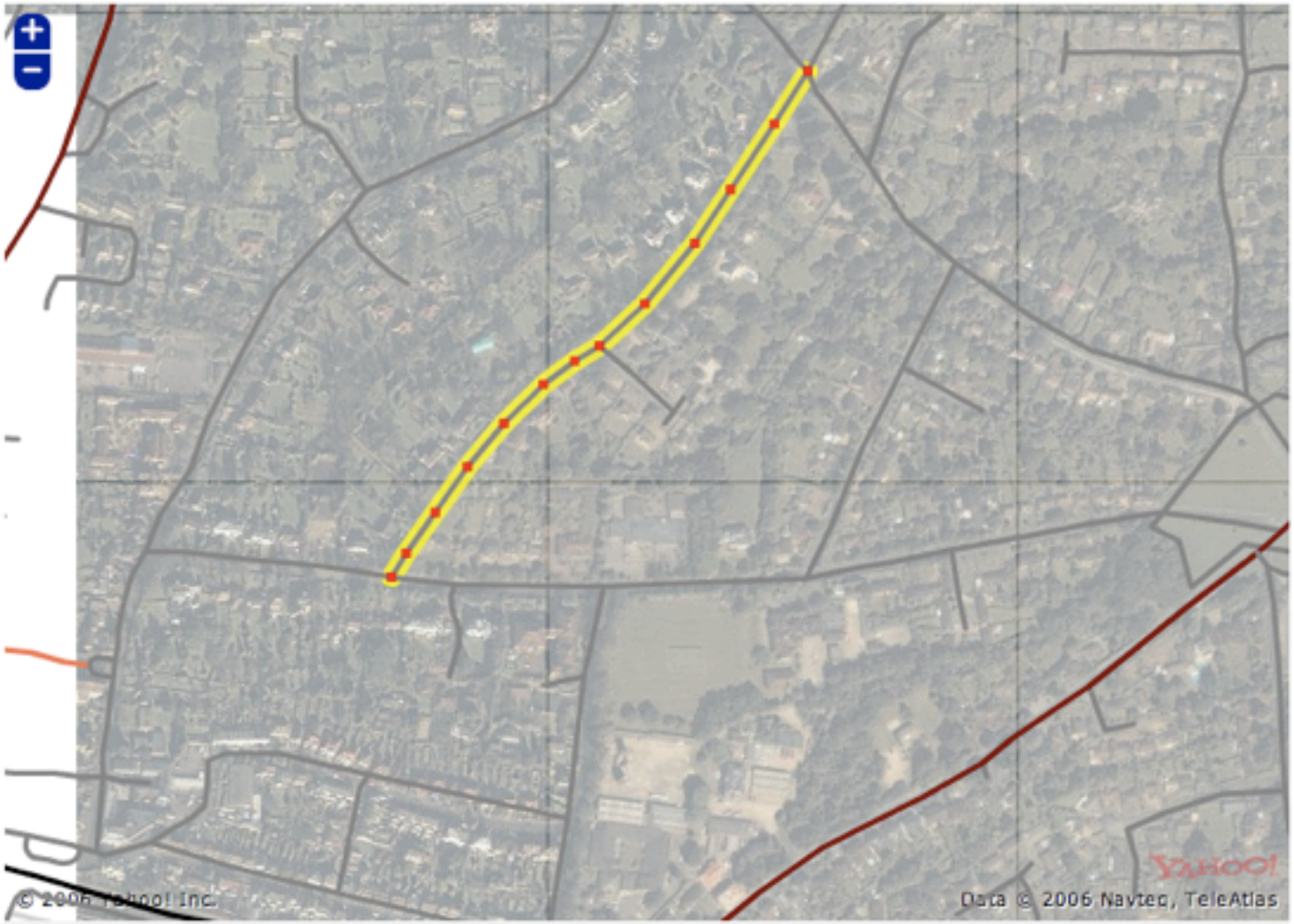
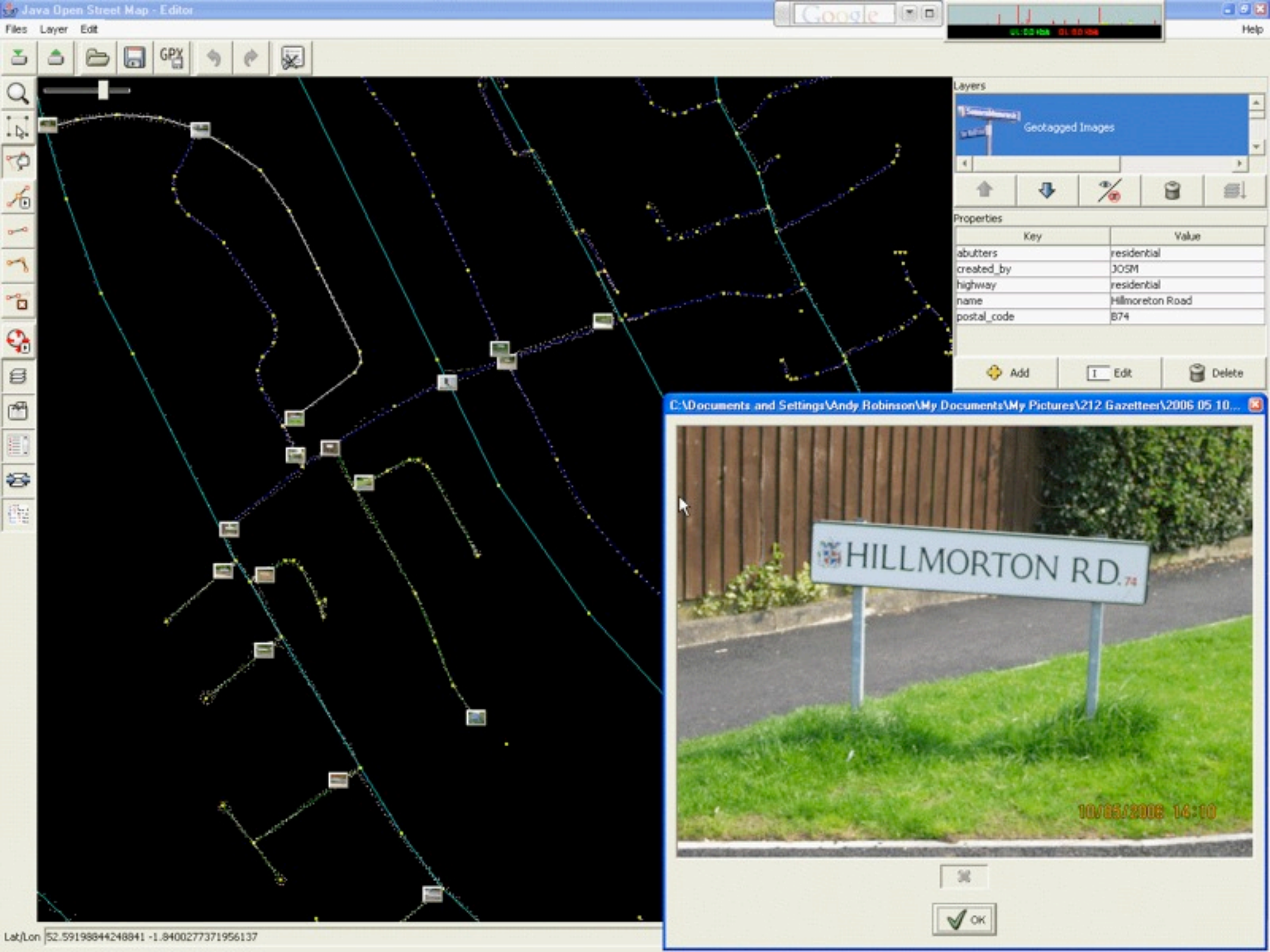
Welcome, SteveC |



Way 2532148

residential road

highway	residential
name	Alders Road


Java Open Street Map - Editor
Files
Layer
Edit
Help
Layers
Geotagged Images
Properties
Key
Value
abutters
residential
created_by
JOSM
highway
residential
name
Hillmoreton Road
postal_code
B74
Add
Edit
Delete
C:\Documents and Settings\Andy Robinson\My Documents\My Pictures\212 Gazetteer\2006 05 10...
HILLMORTON R.D.
OK
Lat/Lon
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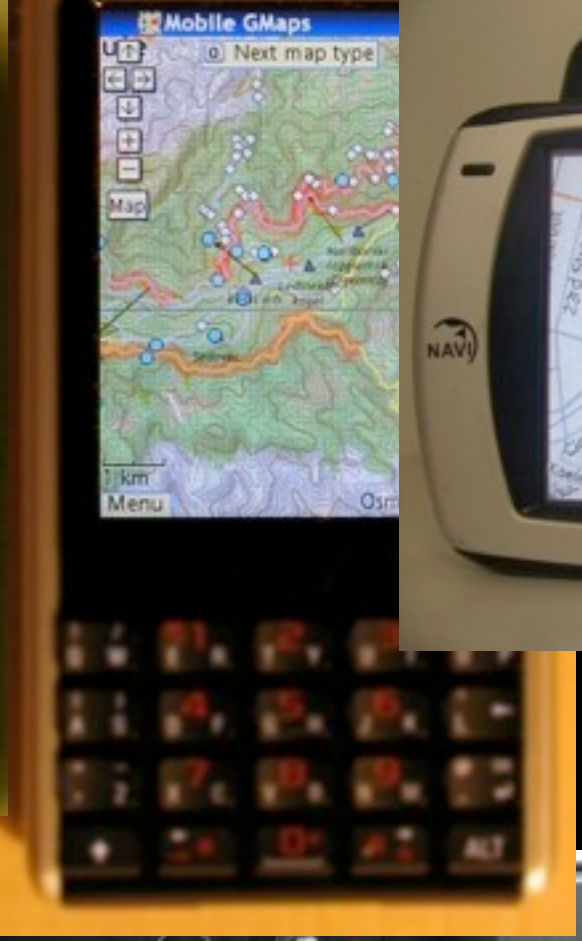
etrex
VENTURE Cx
GARMIN


Mobile GMaps
Next map type
Map
1 km
Menu

NAVI
TELEFUNKEN

Where Am I
LatLon
Map
Get Map
More

T-Mobile 3G
10:13
Jogging along the park
Map
Sand Hill Rd
Stanford Golf Course
Alpine Rd
Tripero Serra Blvd
I 280
Altitude profile
200 m
0 m
2.9 km
5.8 km
8.6 km
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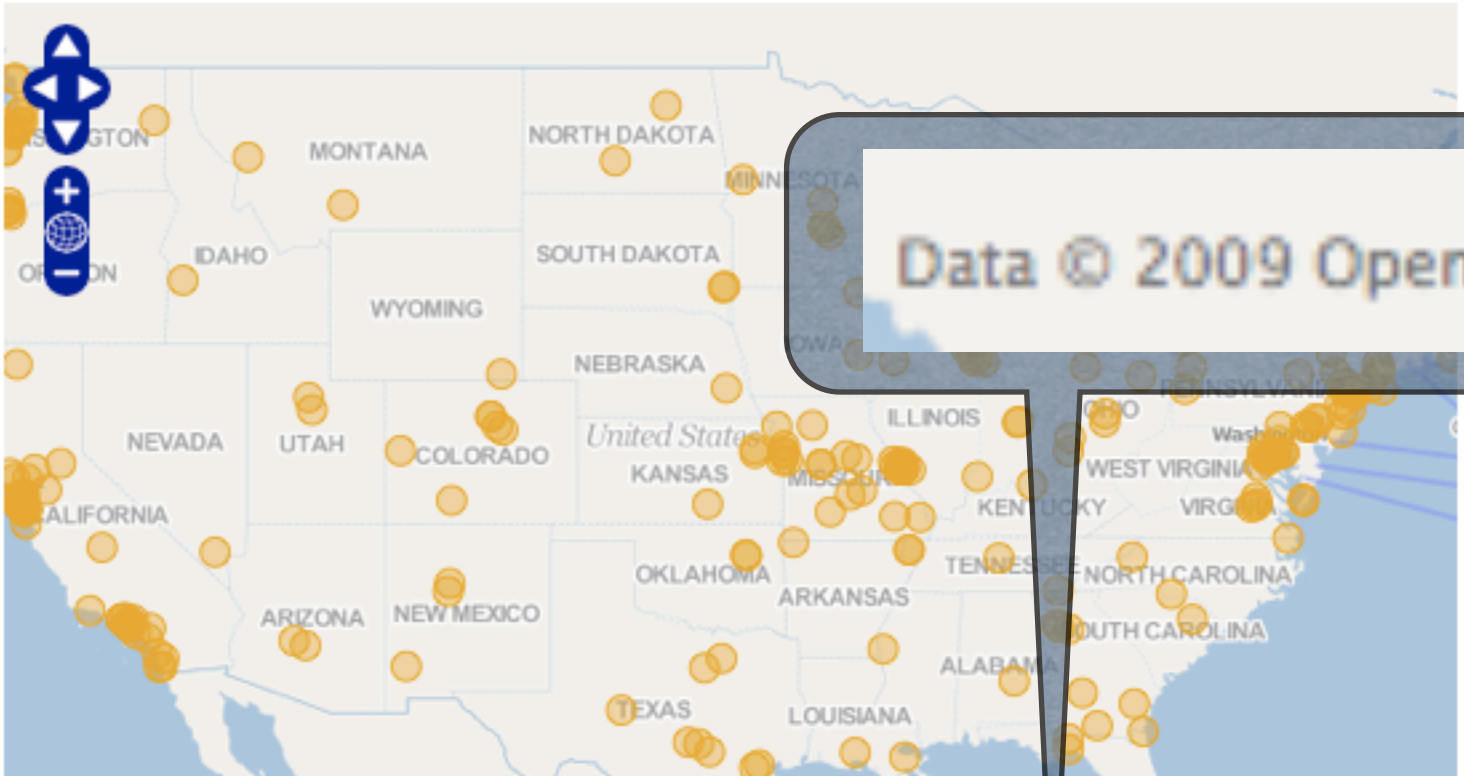
Offline
Rd
STREETMAP
OFFLINE
NEW YORK CITY

HOW ARE YOU DELIVERING ON CHANGE?

Whether you were already serving your country, or are responding to the President's call, share how you are delivering on change in your community.

Whether it is an hour per month helping those struggling in the current economy, tutoring kids in your neighborhood every day, or anything else, we want to highlight what Americans are doing to strengthen our country.



LOOKING FOR A WA
THAT'S RIGHT FOR

Serve.gov is a new portal for yo
Americans to find your own wa
own communities. Just choose
you – and type in your zip code
opportunities our partner orga
your area. Americans are puttin
country back on the right track

VISIT SERVE.G

Workshops

Or, Map as Party

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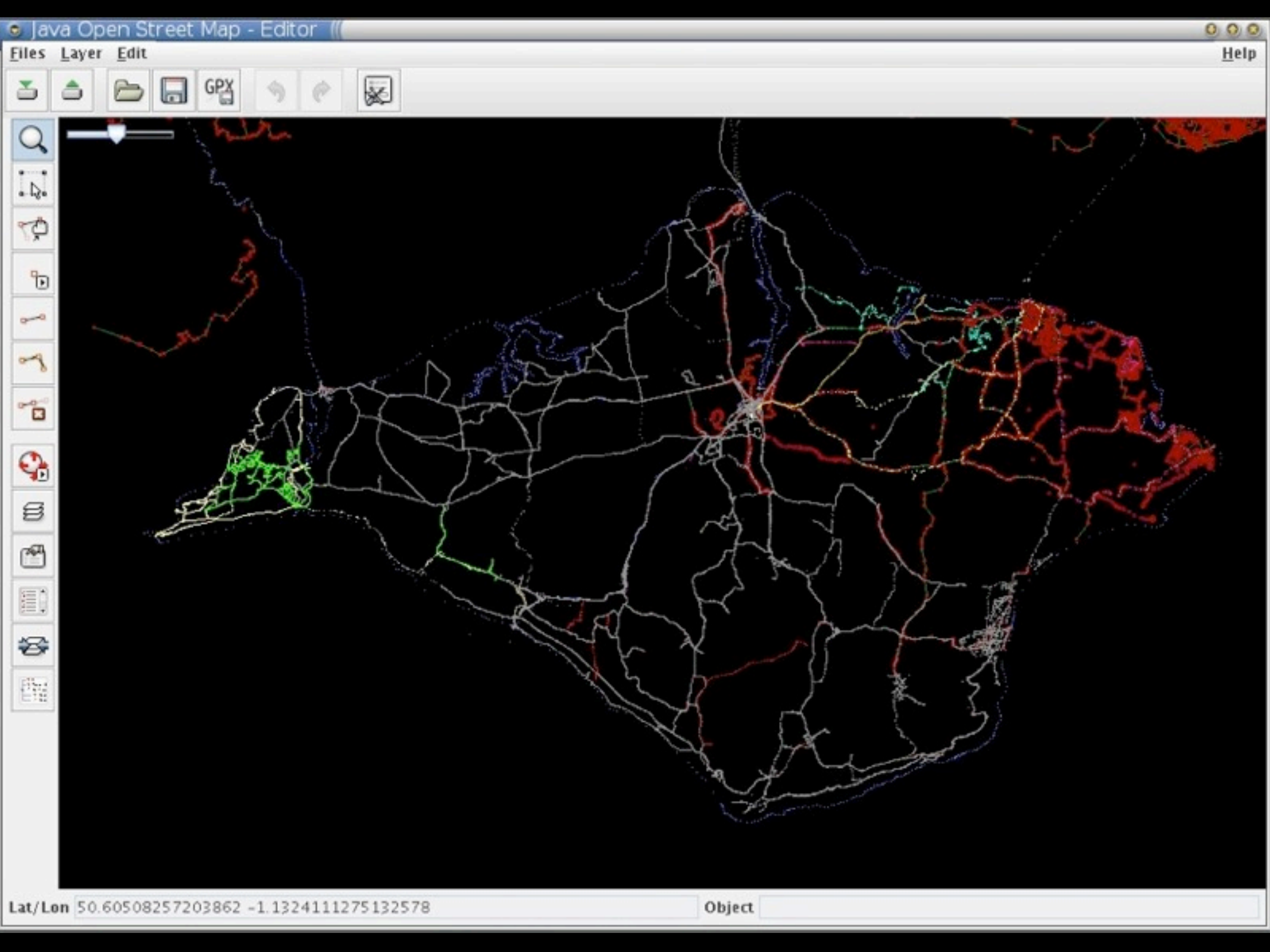
THE SOLENT
SPITHEAD
LYMINGTON
COWES
NEWPORT
SANDOWN
SHANKLIN
VENTNOR


Java Open Street Map - Editor
Files
Layer
Edit
Help
GPX
Lat/Lon
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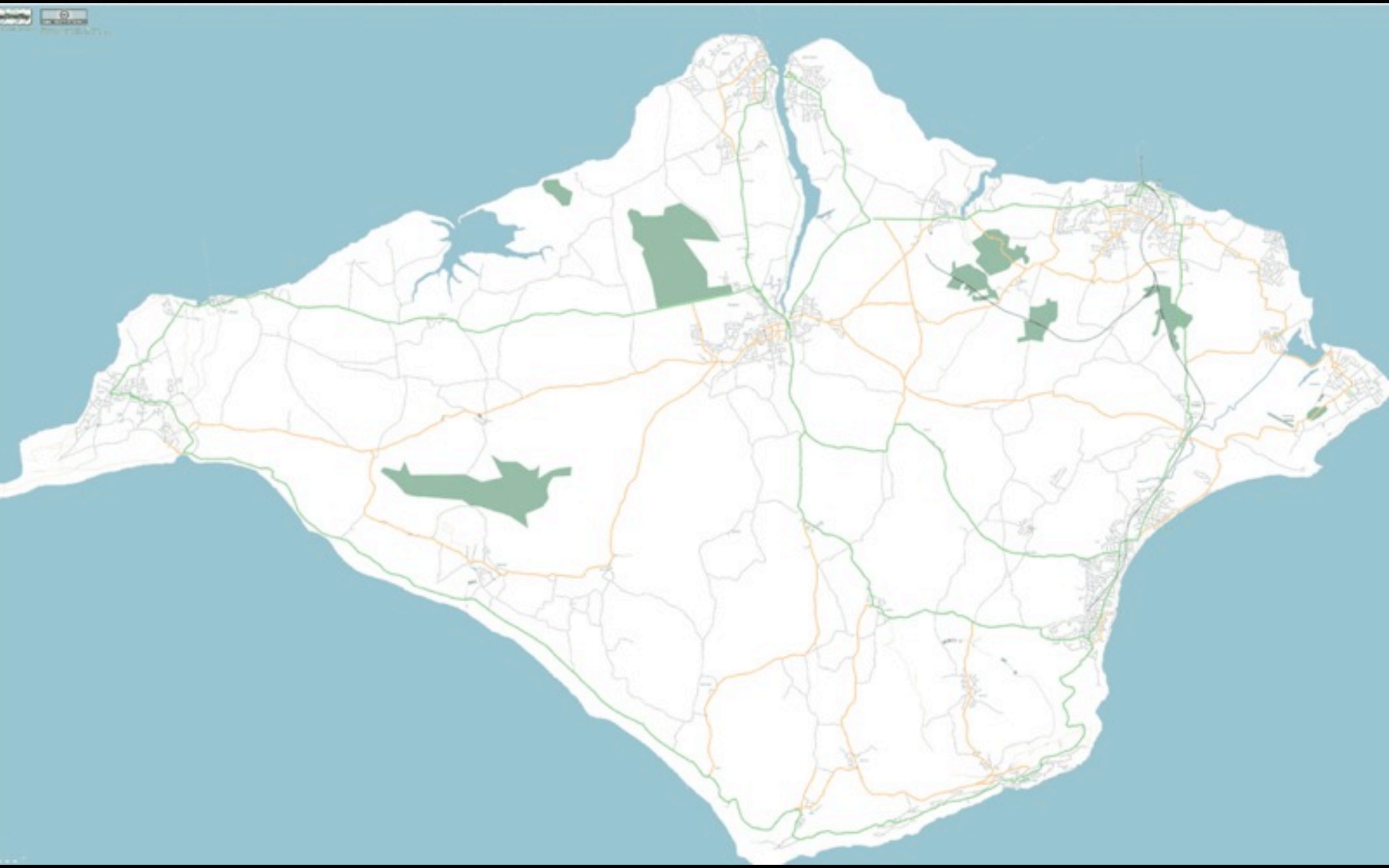
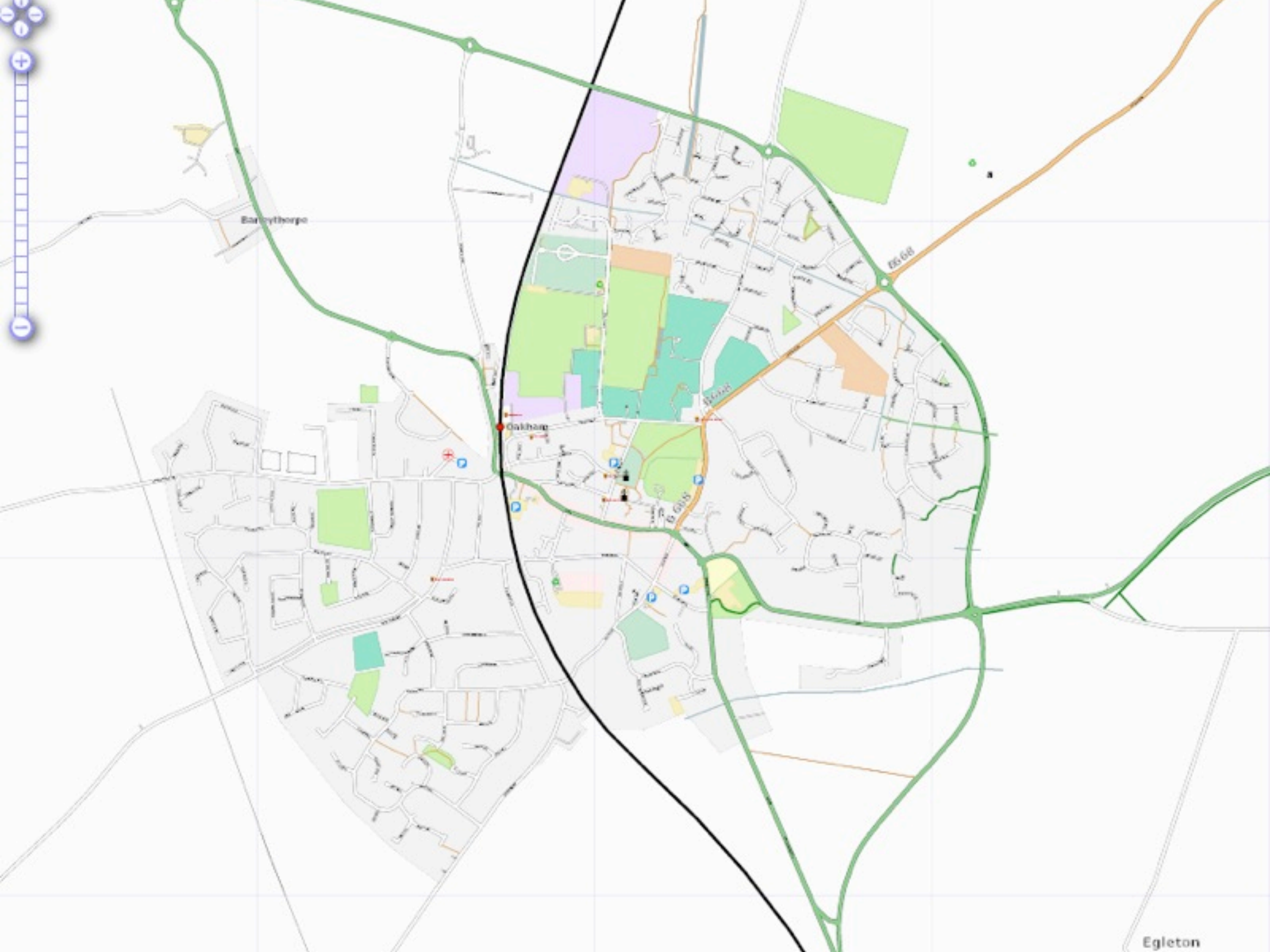
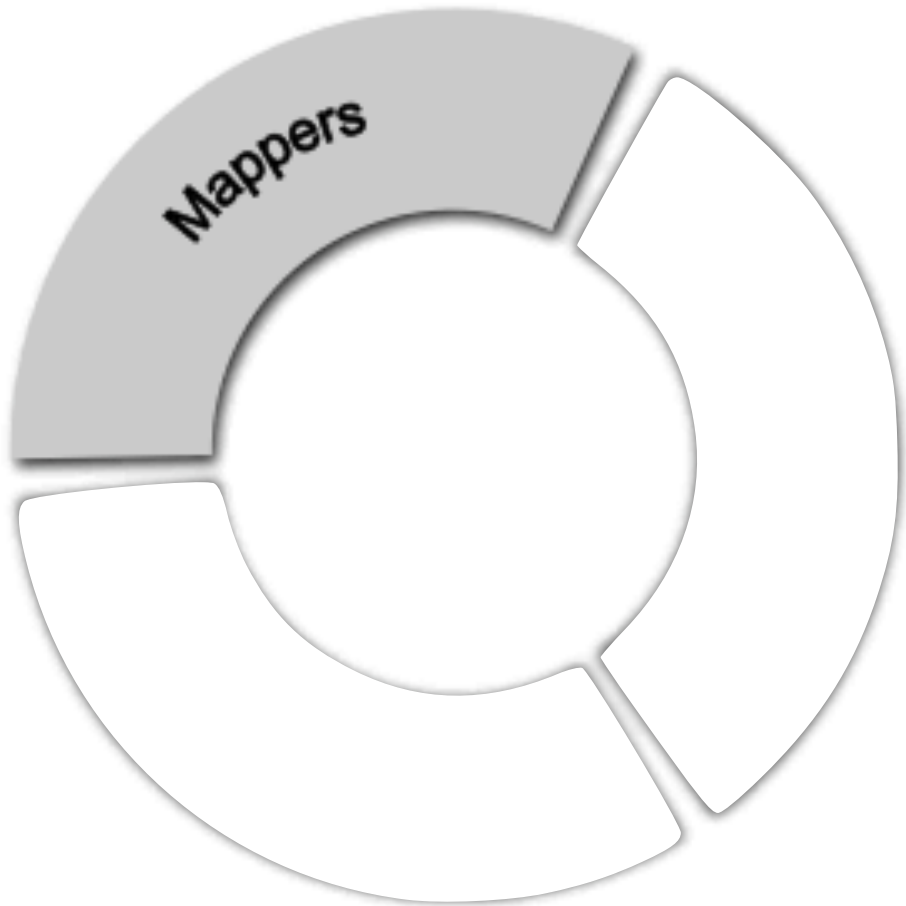
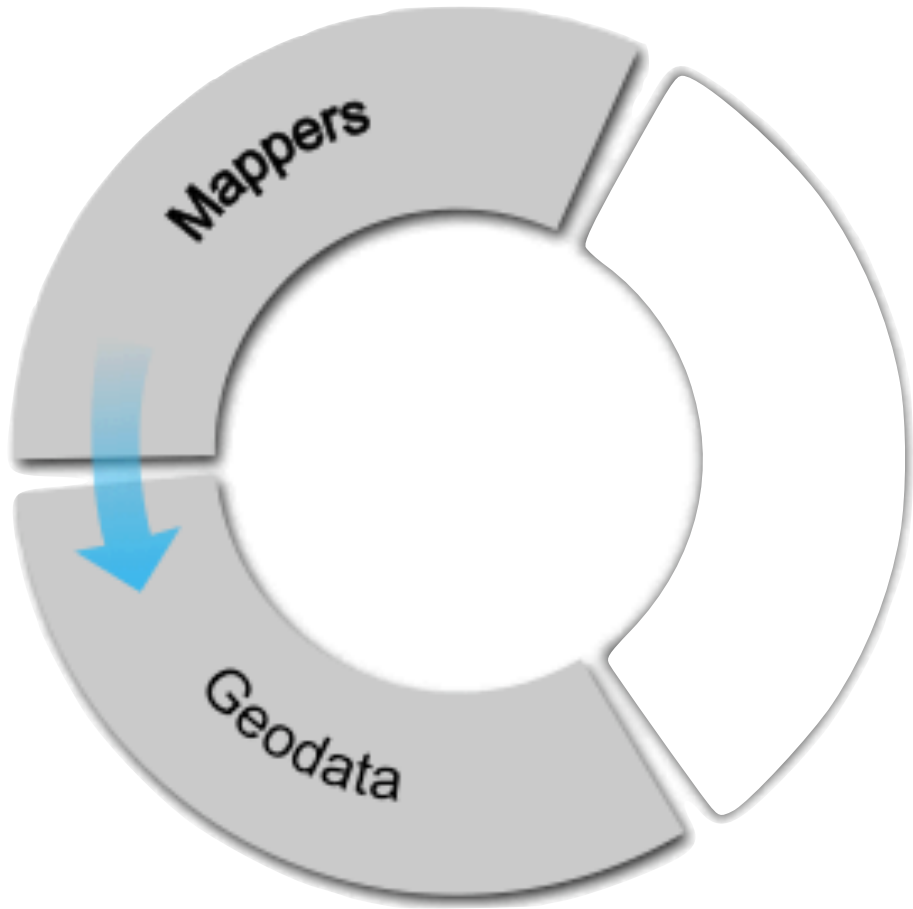
Object



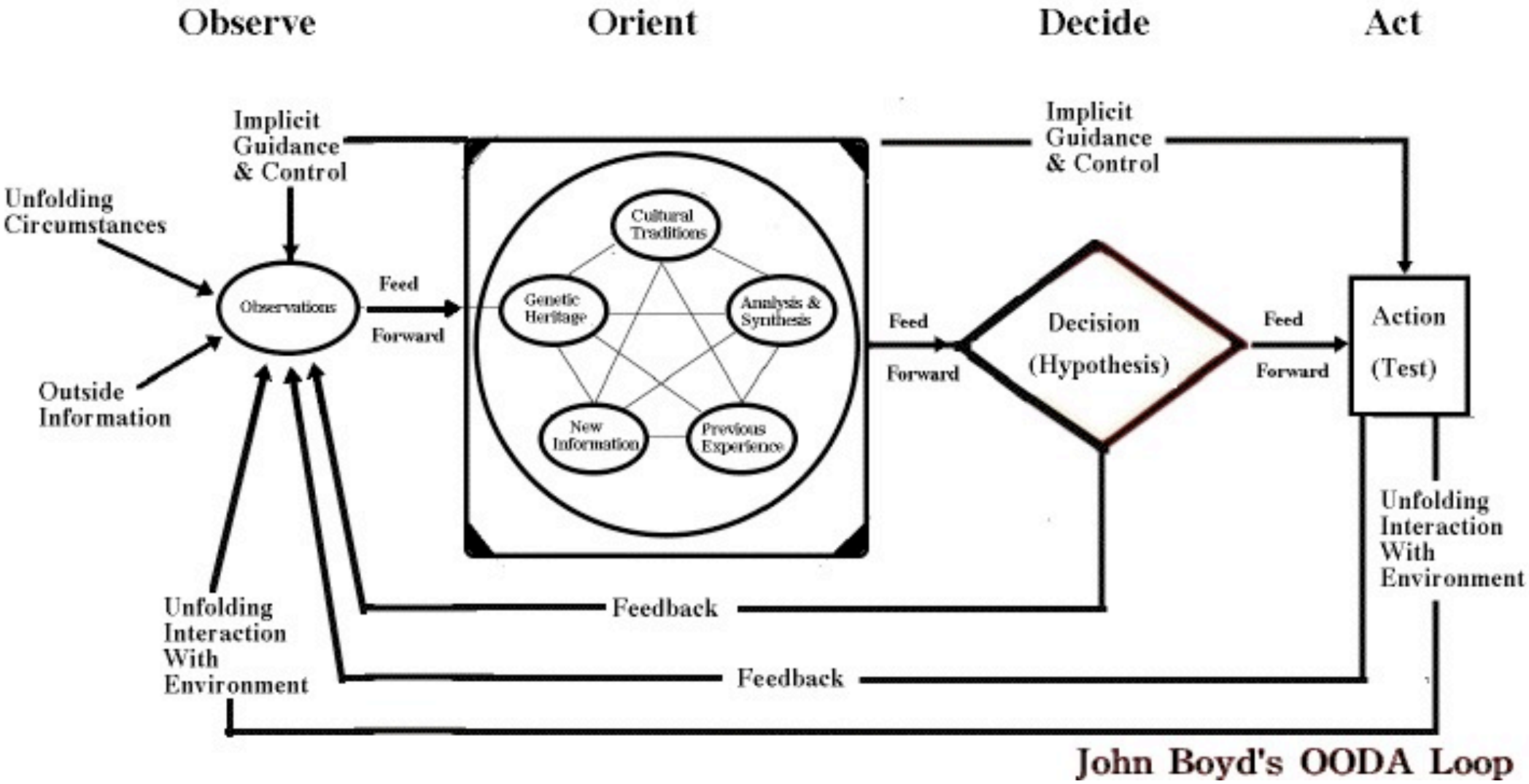

Barrowthorpe
Oakham
B 668
B 668
B 668
Egleton

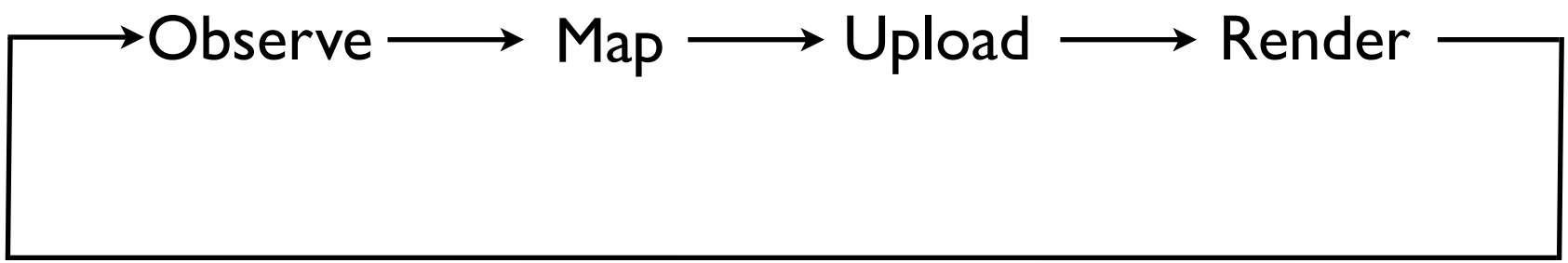
www.OpenStreetMap.org
We're making a map of your area today.
It's fun. It's free. You can help.

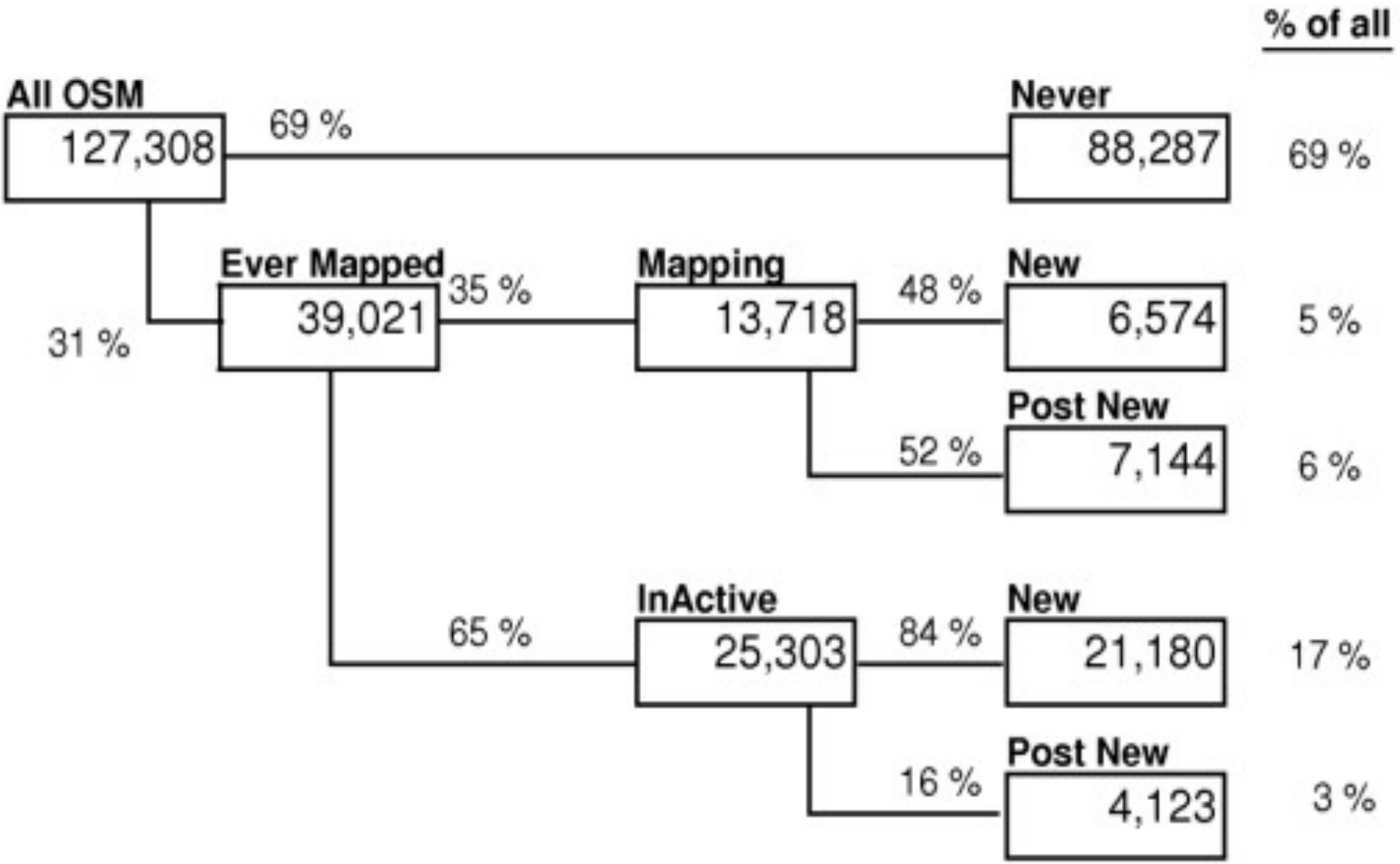

Mappers


Mappers
Geodata

Mappers
Richness of Community
Geodata


Observe
Orient
Decide
Act
Implicit Guidance & Control
Unfolding Circumstances
Observations
Feed Forward
Outside Information
Cultural Traditions
Genetic Heritage
Analysis & Synthesis
New Information
Previous Experience
Implicit Guidance & Control
Feed Forward
Decision (Hypothesis)
Feed Forward
Action (Test)
Unfolding Interaction With Environment
Feedback
Unfolding Interaction With Environment
Feedback
John Boyd's OODA Loop


Observe
Map
Upload
Render


% of all
All OSM
127,308
69 %
Never
88,287
69 %
31 %
Ever Mapped
39,021
35 %
Mapping
13,718
48 %
New
6,574
5 %
52 %
Post New
7,144
6 %
65 %
InActive
25,303
84 %
New
21,180
17 %
16 %
Post New
4,123
3 %

Coase's Penguin

(Yochai Benkler)

Commons-based Peer Production:

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

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Coase's Penguin

(Yochai Benkler)

Commons-based Peer Production:

- Fun
- Takes 5 minutes or 5 hours
- Easy

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Comparing US to rest of planet

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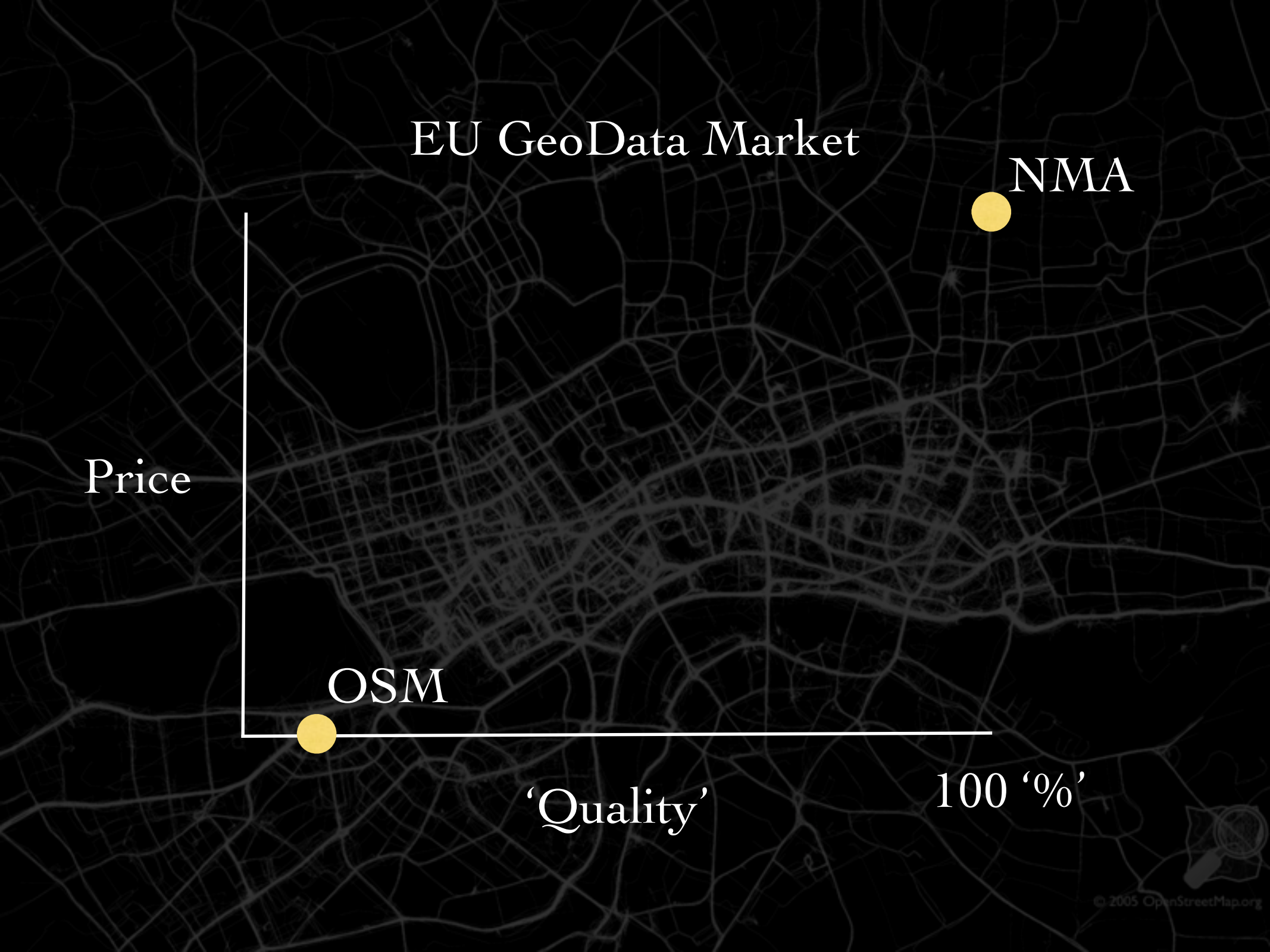
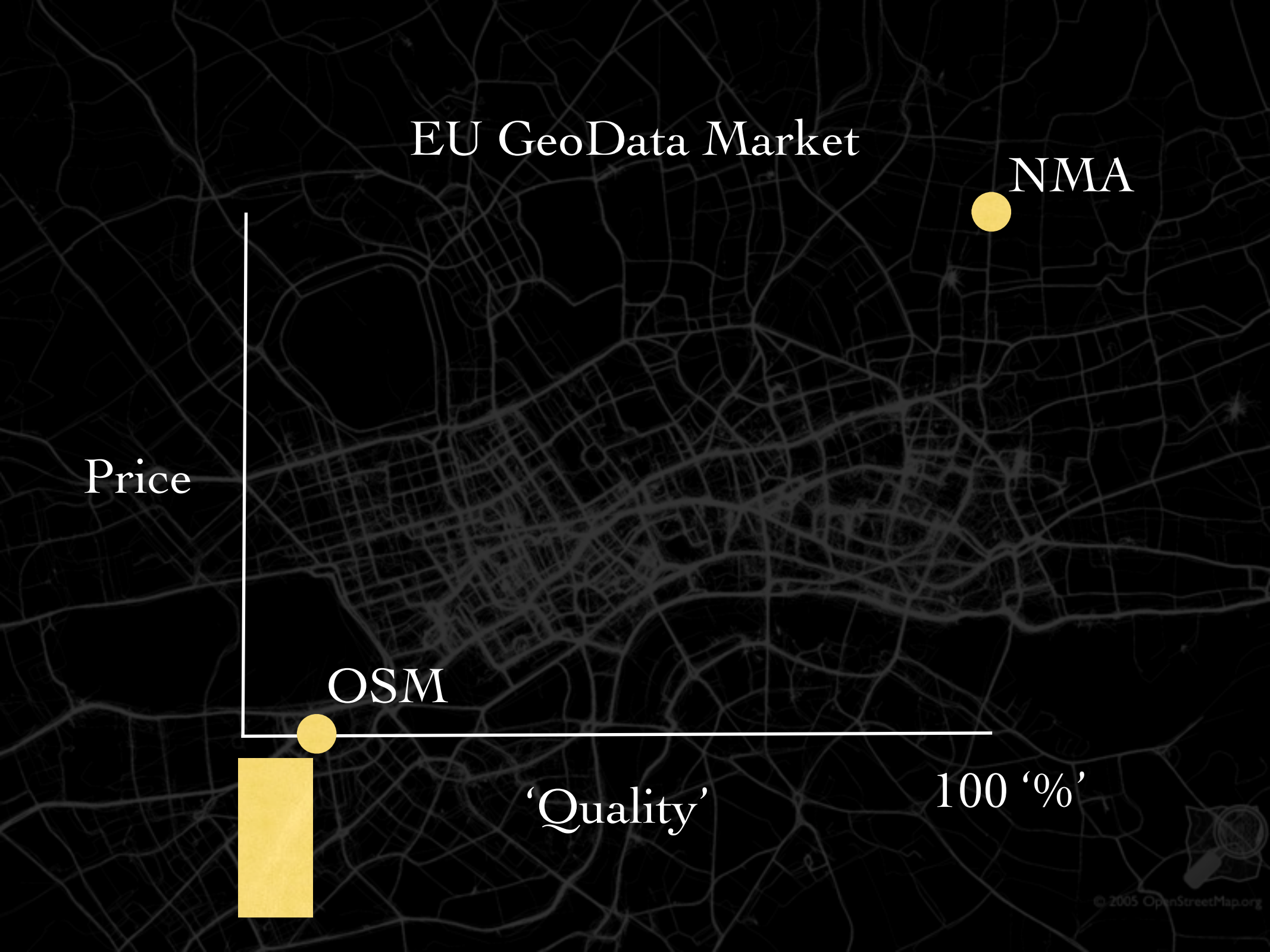
US GeoData Market

US GeoData Market

© 2005 OpenStreetMap.org

EU GeoData Market
Price
'Quality'
100 '%'
© 2005 OpenStreetMap.org

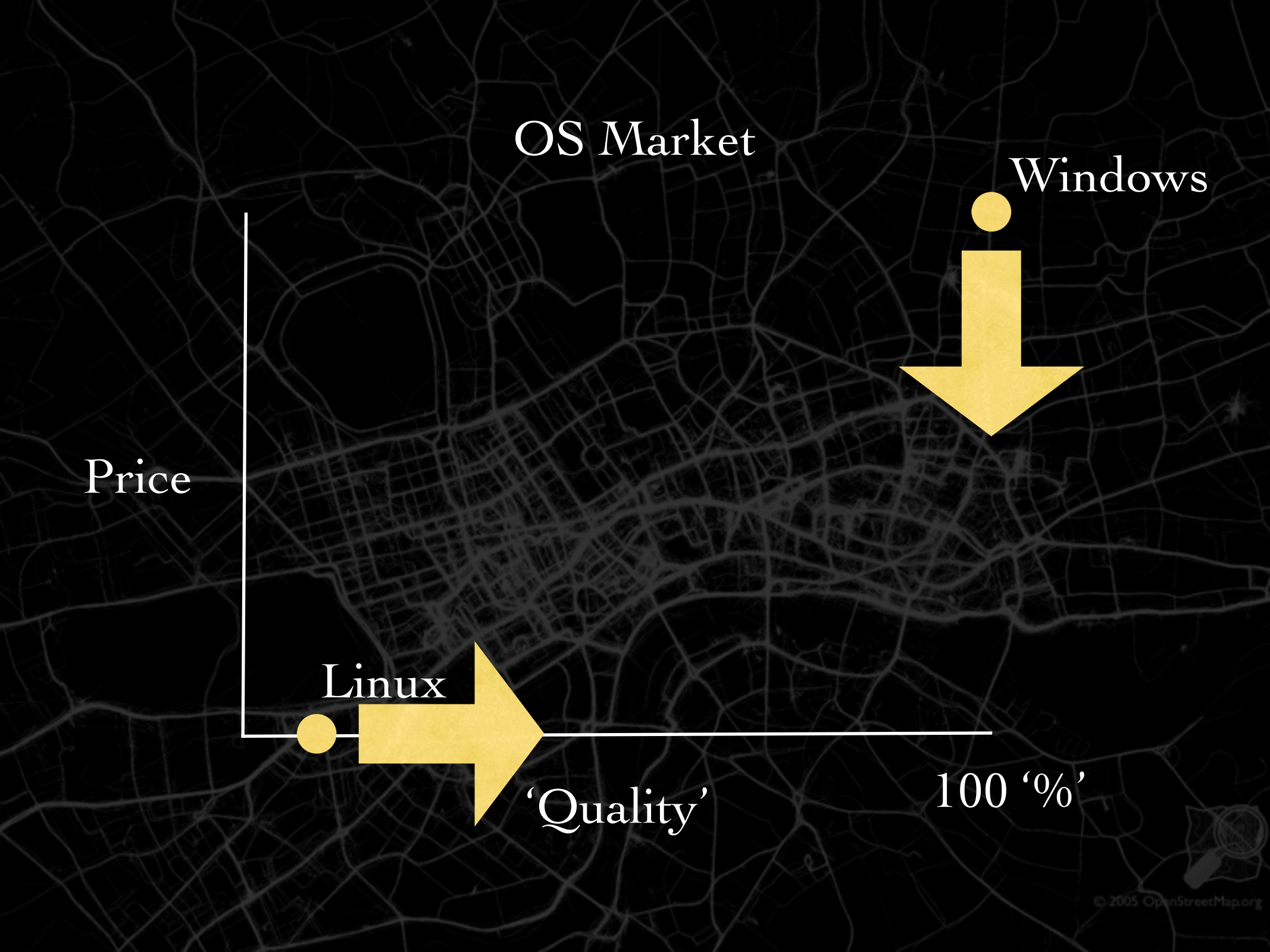

EU GeoData Market
NMA
Price
OSM
'Quality'
100 '%'
© 2005 OpenStreetMap.org


EU GeoData Market
NMA
Price
OSM
'Quality'
100 '%'
© 2005 OpenStreetMap.org

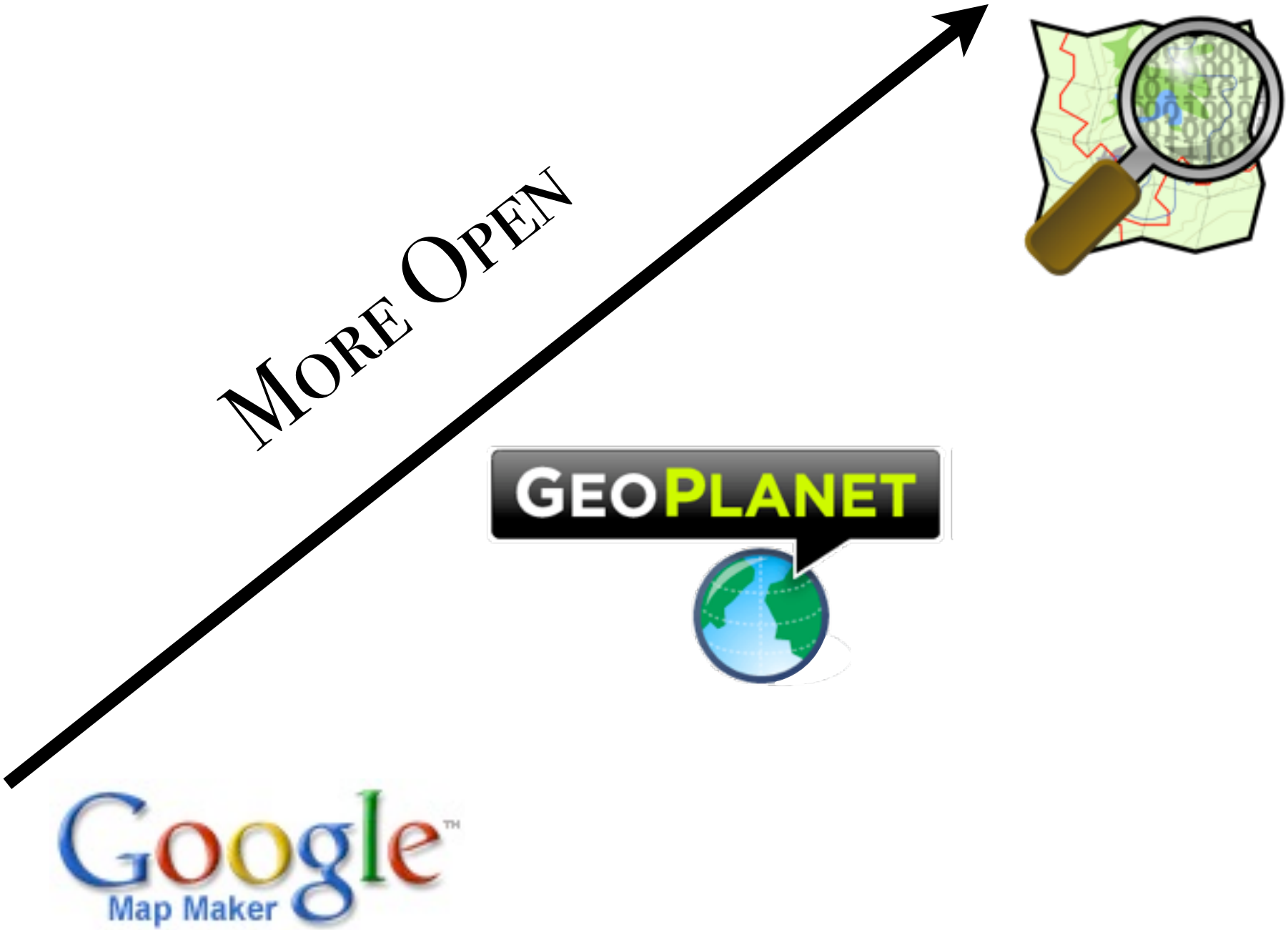
EU GeoData Market
NMA
Price
OSM
'Quality'
100 '%'
© 2005 OpenStreetMap.org

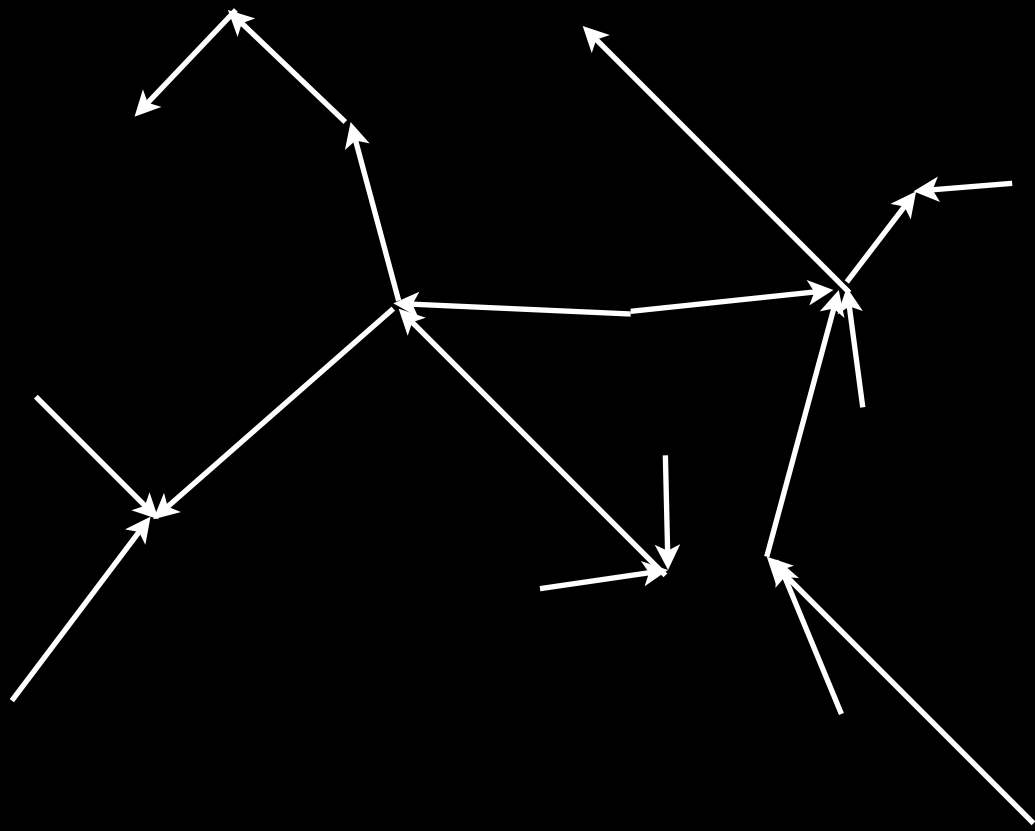
EU GeoData Market
NMA
Price
OSM
'Quality'
100 '%'
© 2005 OpenStreetMap.org

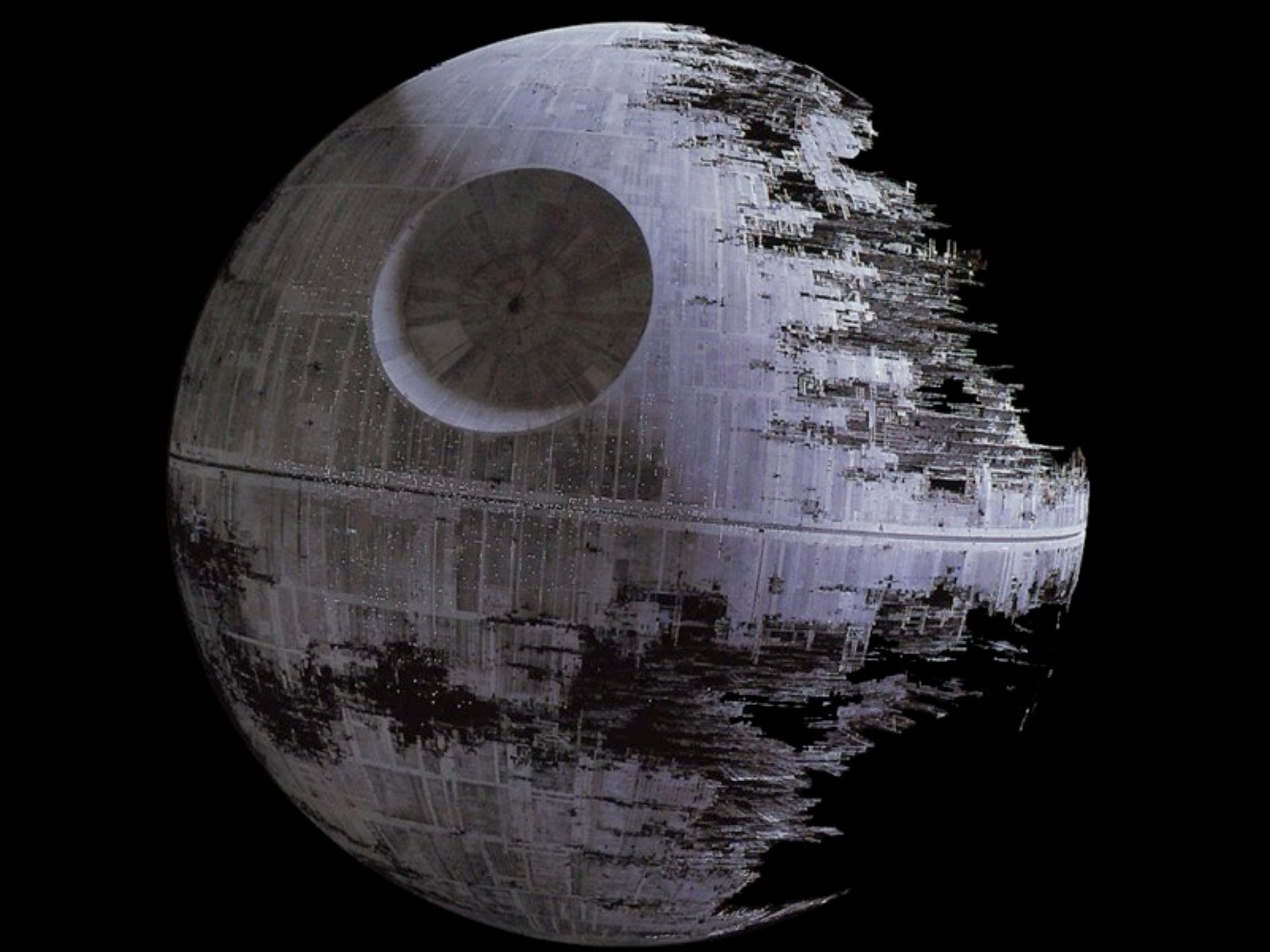
We've seen this before
© 2005 OpenStreetMap.org

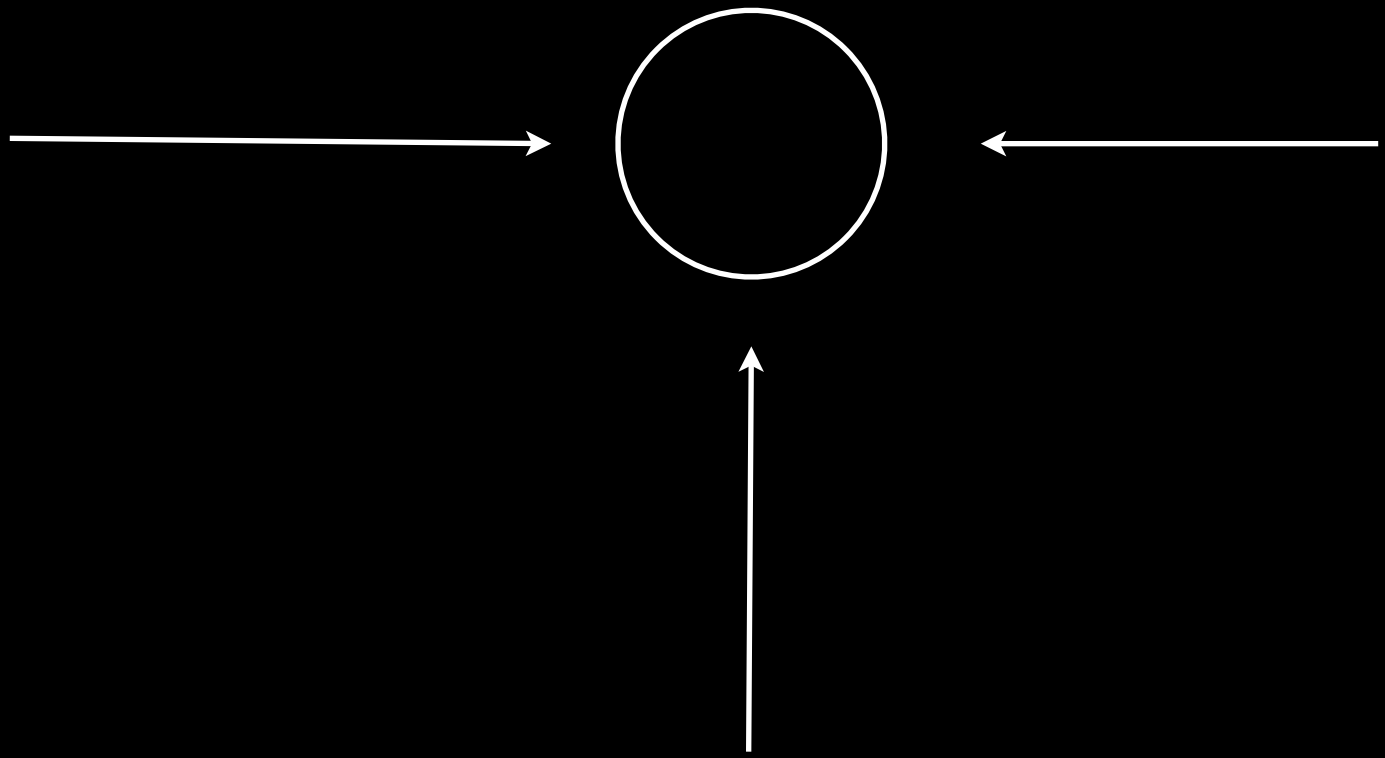

OS Market
Windows
Price
Linux
'Quality'
100 '%'
© 2005 OpenStreetMap.org

OS Market
Windows
(Think price per feature)
Price
Linux
'Quality'
100 '%'
© 2005 OpenStreetMap.org


More Open
GeoPlanet
Google
Map Maker







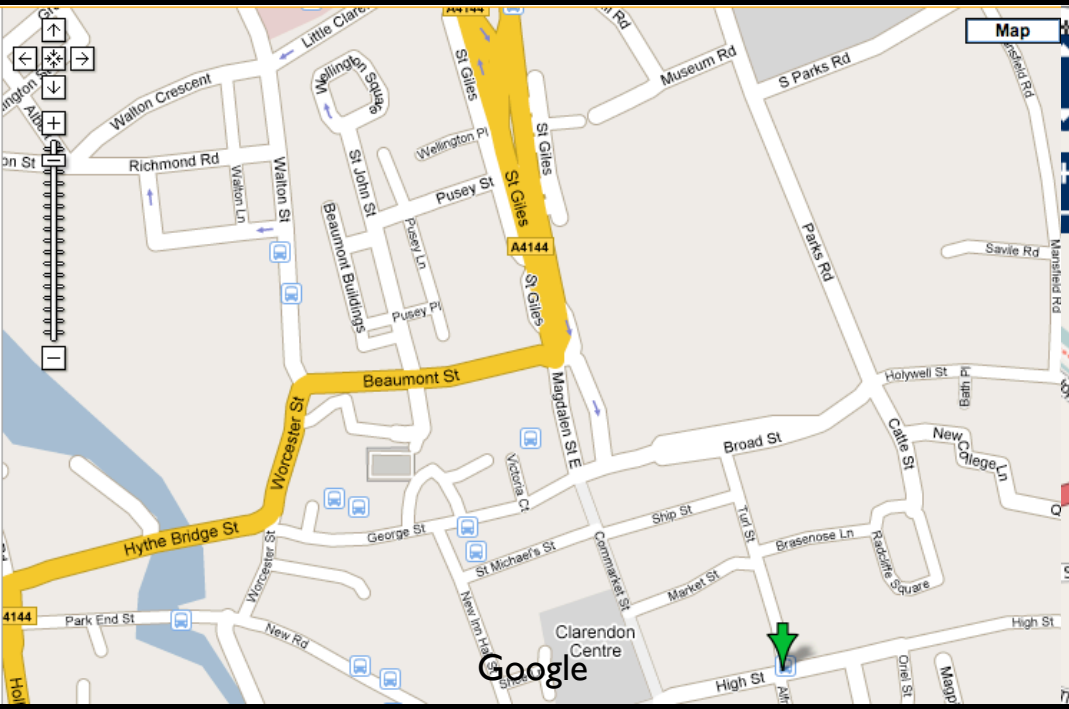
More Community

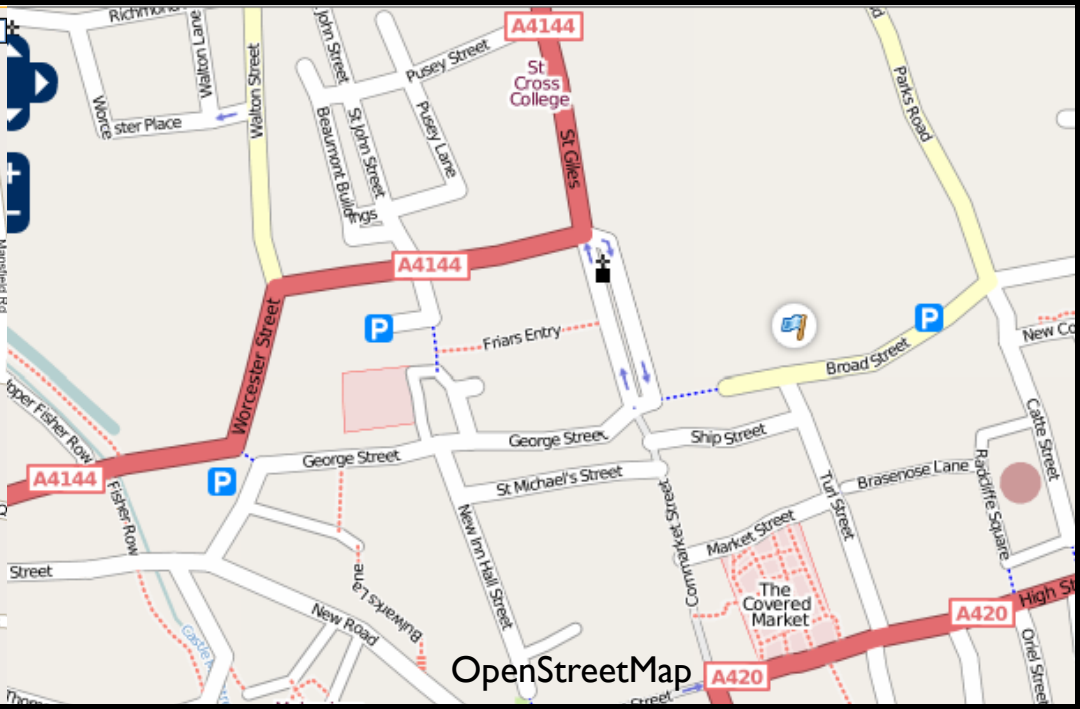
Google™ Map Maker

TOMTOM®

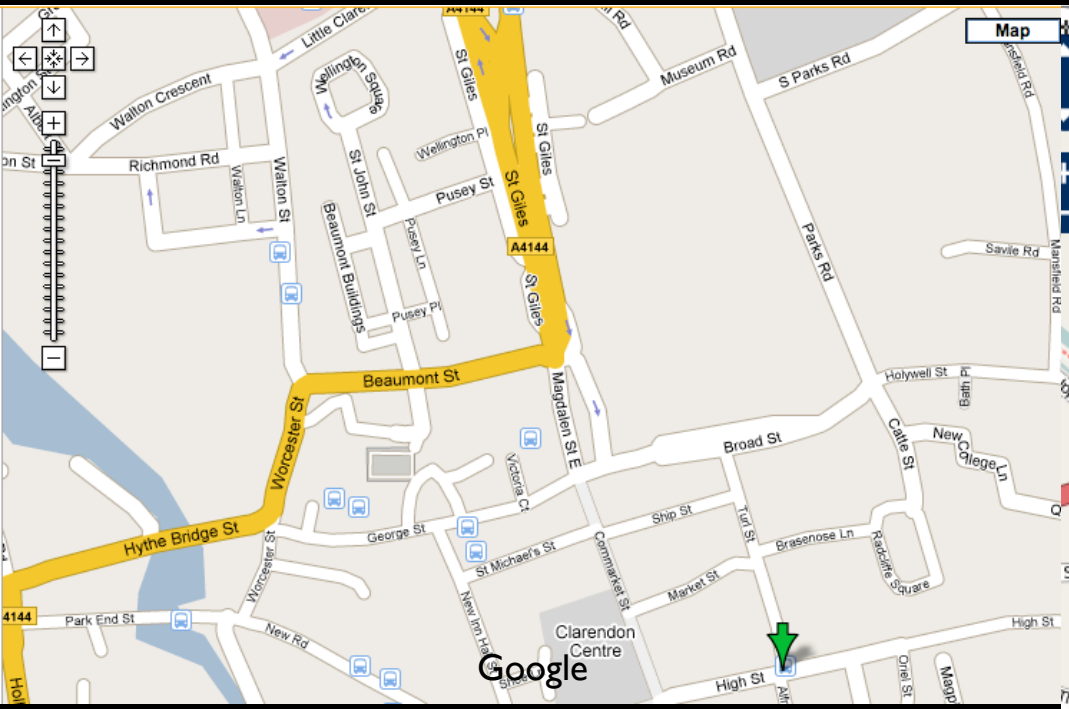
December 3, 2007

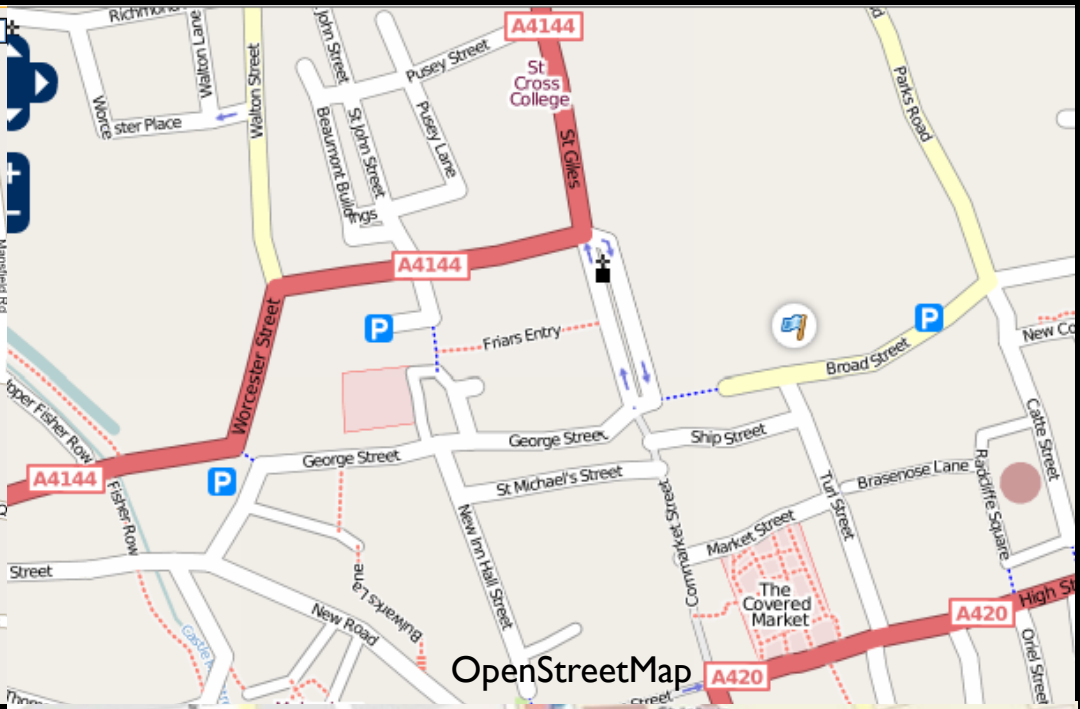
December 3, 2007





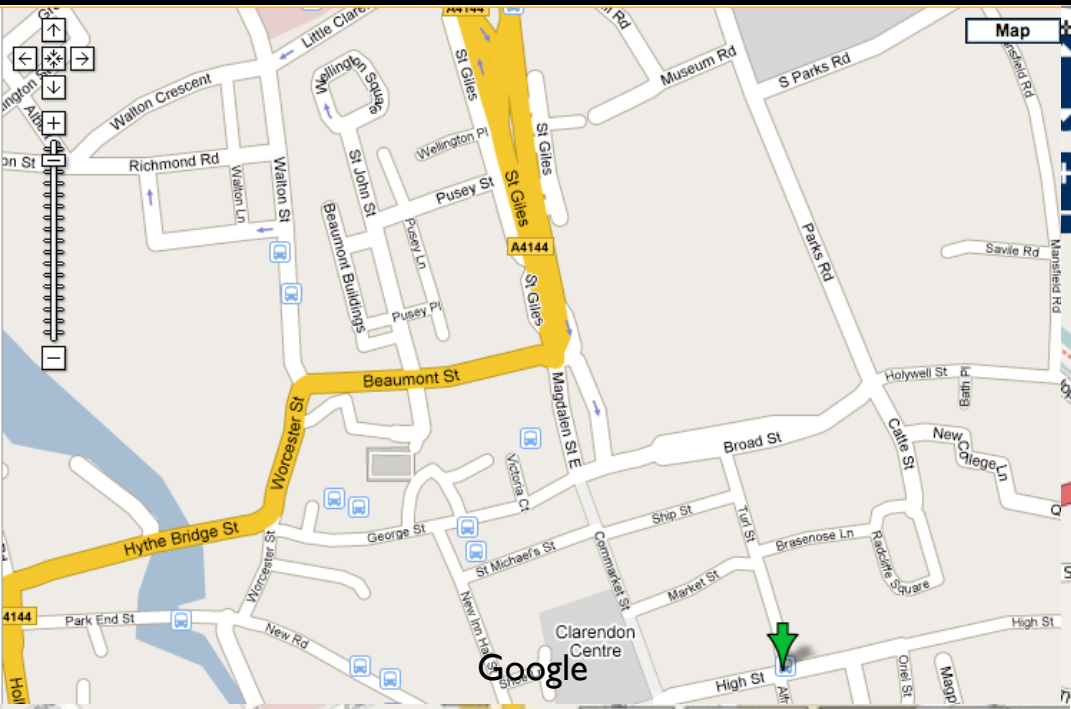
December 3, 2007

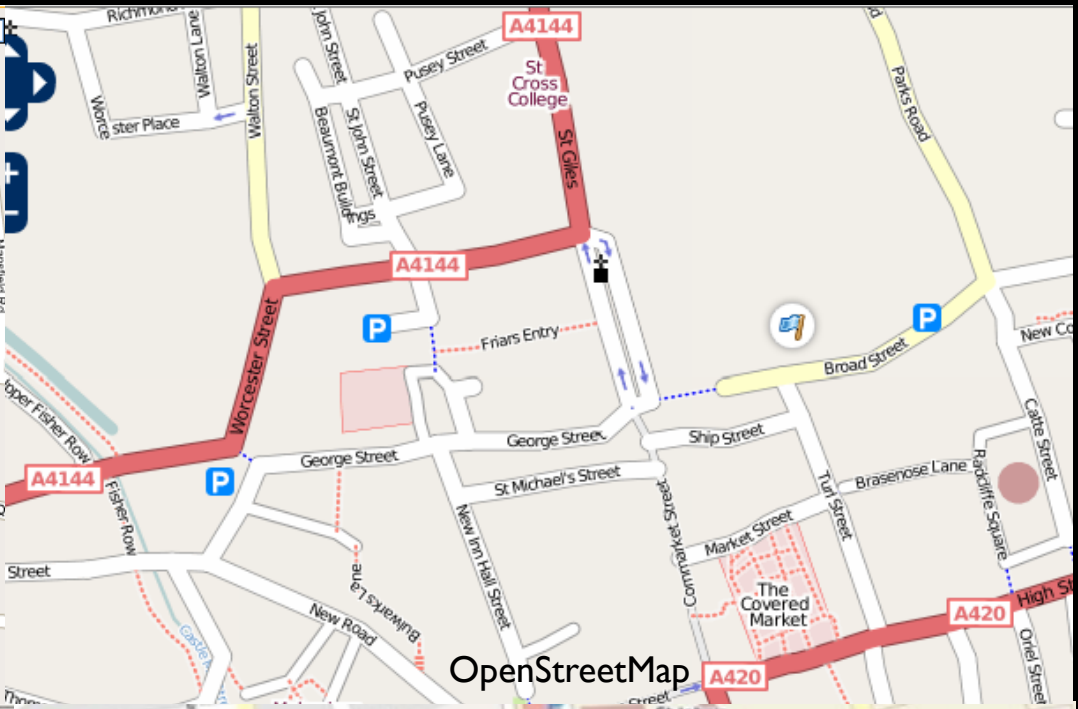




July 7, 2009

December 3, 2007





July 7, 2009

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OpenStreetMap data: CC-BY-SA OpenStreetMap (OpenStreetMap Foundation and contributors)
Parkland Walk
YWCA
PW
WEMBURY R
CAUSTON ROAD
TUDOR CL
OLDFIELD M
Sch
Furnival House
Sch
Resr (covered)
TILE KILN LANE
THE BANK
Lauderdale House
College
BS
Maml
OSM OS differences
Meridian roads Drawing
Roads
OSM roads Drawing

What about quality?

Dr Muki Haklay of UCL

"OSM quality is beyond good enough, it is a product that can be used for a wide range of activities"

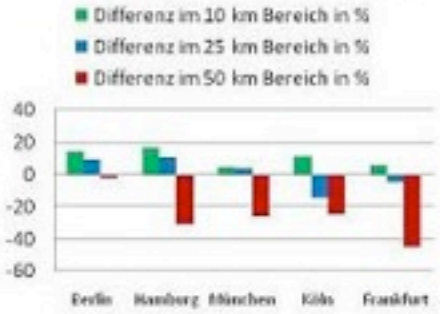
Based on a detailed analysis
http://tinyurl.com/mukiosm

Differenz der Gesamtlänge des gesamten Wegenetzes zwischen OpenStreetMap und Tele Atlas pro km²

Datenschwäche OSM

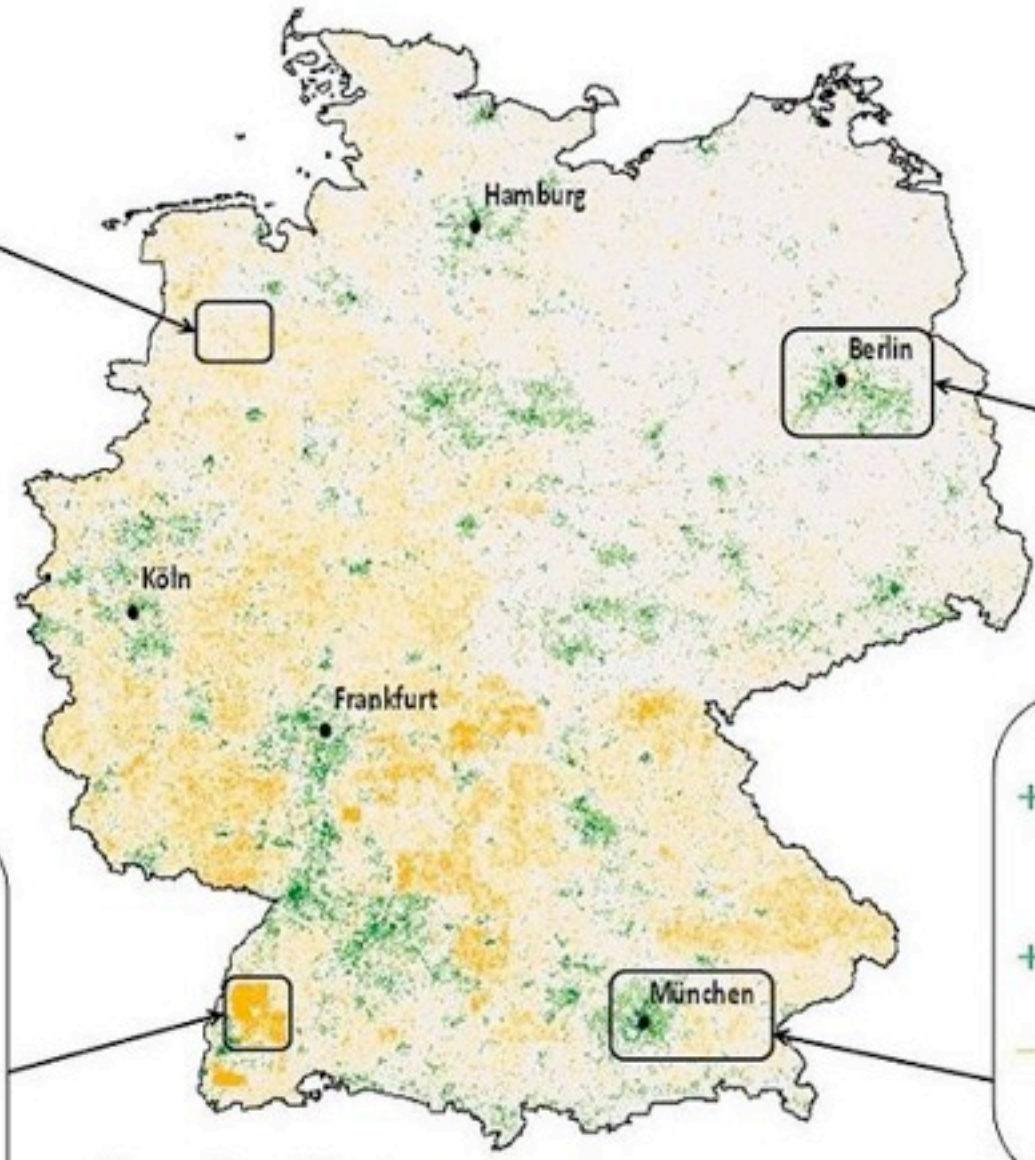
- **Deutliche Abnahme** der Datenvollständigkeit in geringer urban geprägten Gebieten.

Datenvollständigkeit von OpenStreetMap verglichen mit Teleatlas im Stadtgebiet und Umland



Datenstärke OSM

+ In Großstädten wie Berlin, Hamburg, München und Köln **übertrifft OpenStreetMap** die proprietären Daten.
+ Ursache: **höhere Datenvielfalt bei OpenStreetMap.**
+ Z.B. Hamburg seit Okt. 2008 als erste deutsche Großstadt **vollständig erfasst.**



Starke Differenzgebiete

- **Starke Differenzen** im Bereich des Südschwarzwaldes.
- Ursache: **höhere Datendichte bei Tele Atlas** (kleine Seitenwege).
- weitere starke Differenzgebiete in **Süd- und Zentraldeutschland.**

Fußgänger-Routing

+ **Verstärkte Erfassung** von kleinen, mit dem Auto nicht befahrbaren, Wegen bei OpenStreetMap.
+ Daten für **Fußgängerrouting in Großstädten** gut geeignet.
- auch bei Fußgängerdaten **starke Abnahme** der Datenqualität im weiteren Stadtumland.

Beispiel Mittelstädte

Positionsgenauigkeit

Zusammenfassung

http://www.flickr.com/photos/miyagisan/3733469980/sizes/o/

Wikipedia

http://www.flickr.com/photos/umpcportal/2343766155/sizes/l/

http://www.flickr.com/photos/theducks/2236111019/sizes/l/

AGON

ÈRE COLLECTION

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Faster Better Cheaper

Faster Better Cheaper

Thank you

Steve Coast

steve@asklater.com