



bikemaps:

Mapping the experiences of cyclists in Reykjavík

Jamie McQuilkin

R&D Manager, Resource International

Cycling in Reykjavík

- Aim to increase journeys by cycle from 5,5% in 2014 to 6% in 2017, 6,5% in 2020 and 8% in 2030.
- Cycle lanes to increase from 4,5 to 8% of Reykjavík streets by 2020. Budget 2015-2018 on walking/cycling paths c. 3100ISK per person in Iceland (vs c. 140 000ISK per person on new roads and tunnels).
- What specific things might discourage people from cycling?

Through finding out, we can help answer a big question:

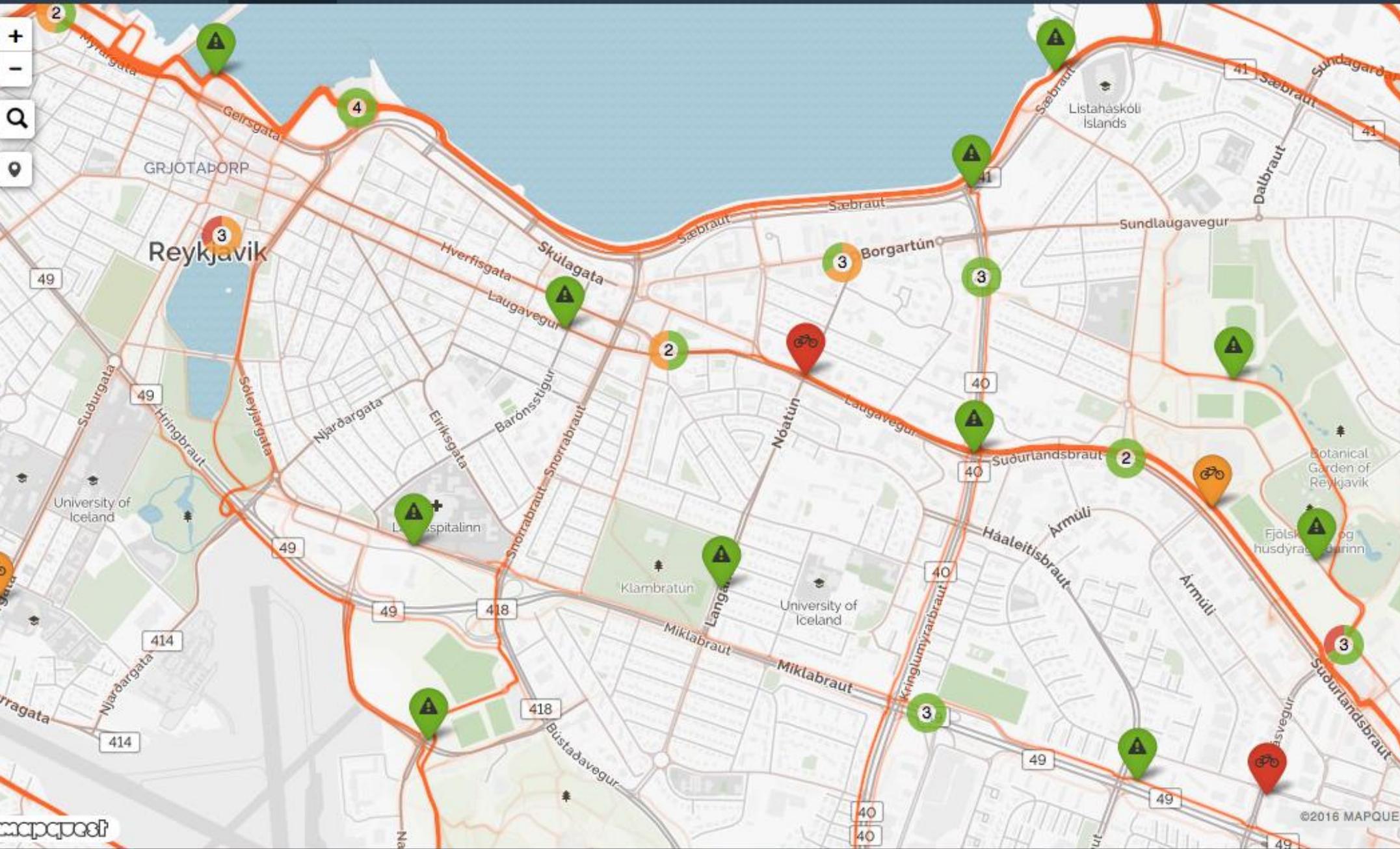
What is the best way to spend money on infrastructure?



Cycling in other Nordic Capitals

- Copenhagen: 33-45% (2014)
- Oslo: 8% (2013) or 5% (2014)
- Helsinki: 11% (2013)
- Stockholm: 6-7% (2014)





About
BikeMaps.org is a crowdsourced tool for global mapping of cycling safety. Using the  button, add your own data on cycling crashes, near-misses, hazards, and thefts. [More info](#)

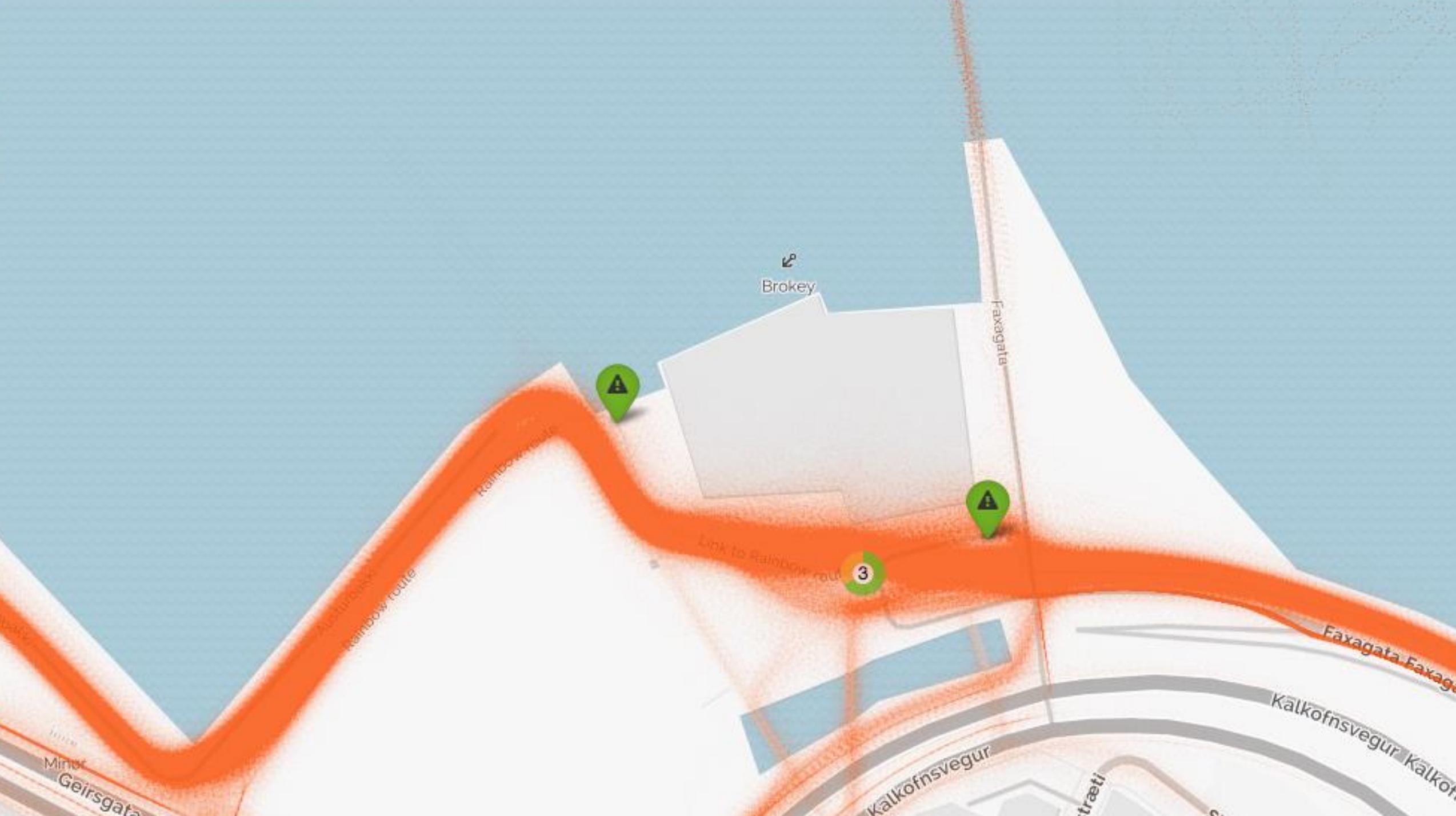
- Incidents
 -  Citizen collision report
 -  Citizen near miss report
 -  Cyclist hazard
 -  Bike Theft
 -  Official report
 -  Filter
- Strava ridership data 

less more
- Alert Areas 

- Infrastructure

[Disclaimer](#)





Brokey

Faxagata



Geirsgata

Kalkofnsvegur

træti

Kalkofnsvegur

Faxagata

Rainbow route

Link to Rainbow route

Brokey

Faxa

Hazard type: Other infrastructure

Date: 8 Sep, 2016 6:00 PM

Details: Mætti gera glerið utan um stigann niður í bílajakallarann betur sýnilegt. Skapar smá hættu.



Rainbow route

Link to Rainbow route

Faxagata Faxagata

Kalkofnsvegur Kalkofnsvegur

Kalkofnsvegur

træti

Geirsgata

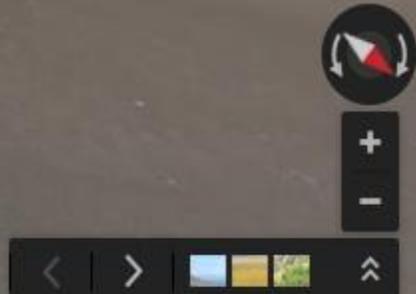
Reykjavík, Capital Region



Street View - Jul 2013



Google



Hazard type: Other infrastructure

Date: 4 Jul, 2016 9:05 AM

Details: Water is leaking from underneath a sort of box. This will pose a hazard if not fixed before autumn when ice will form, at a place where people are both focused on obstacles and other traffic and turning the front wheel so liable to fall if slippery.



Hazard type: Other infrastructure

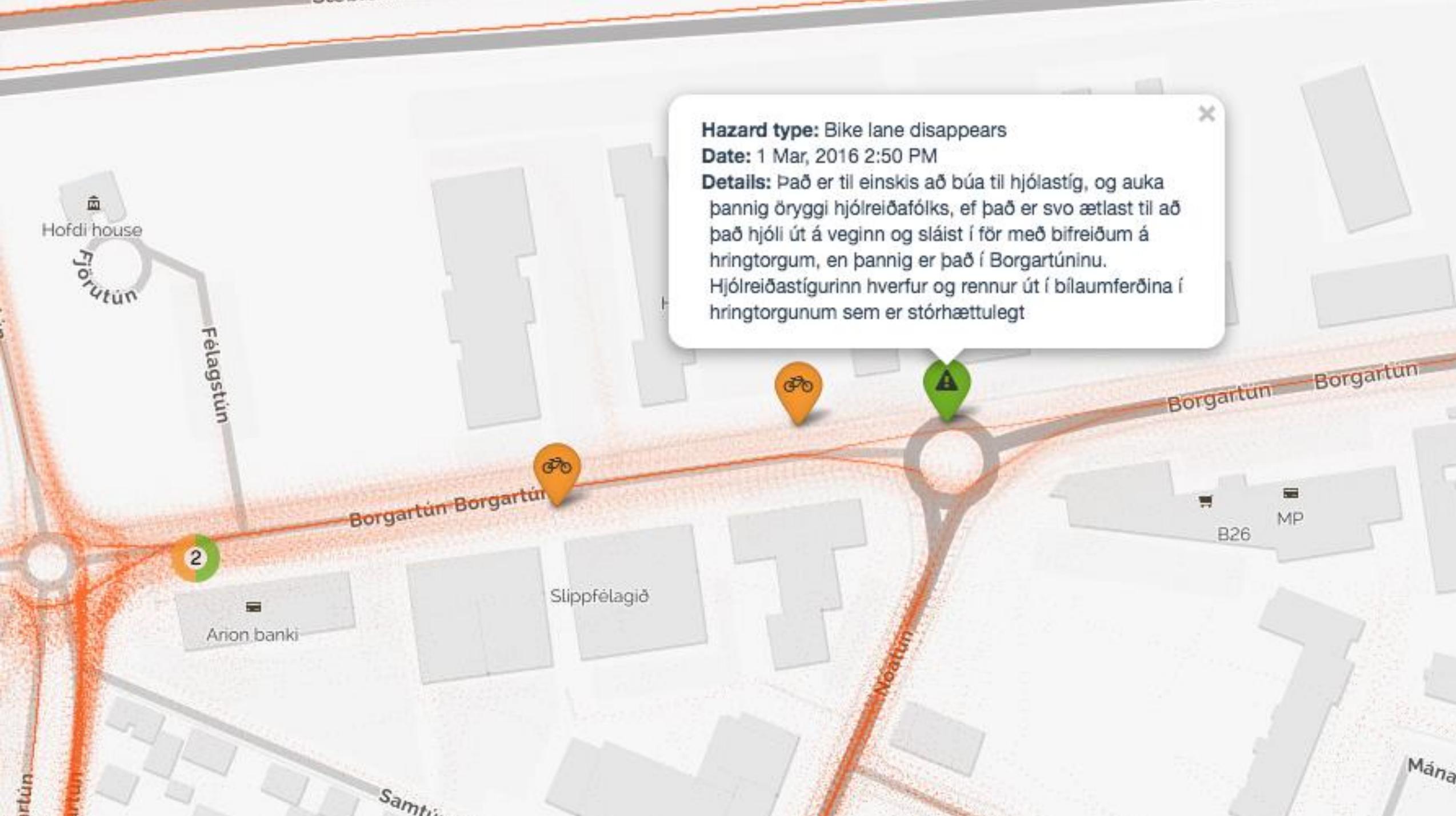
Date: 5 Apr, 2016 5:00 PM

Details: A trench in front of Harpa is extremely dangerous as in various conditions it is very hard to see. I ran into this as I was avoiding a group of tourists in front of Harpa. My bike literally went 180 degrees and I fell on outstretched hands. Very lucky not to sustain serious injury.



Link to Rainbow route

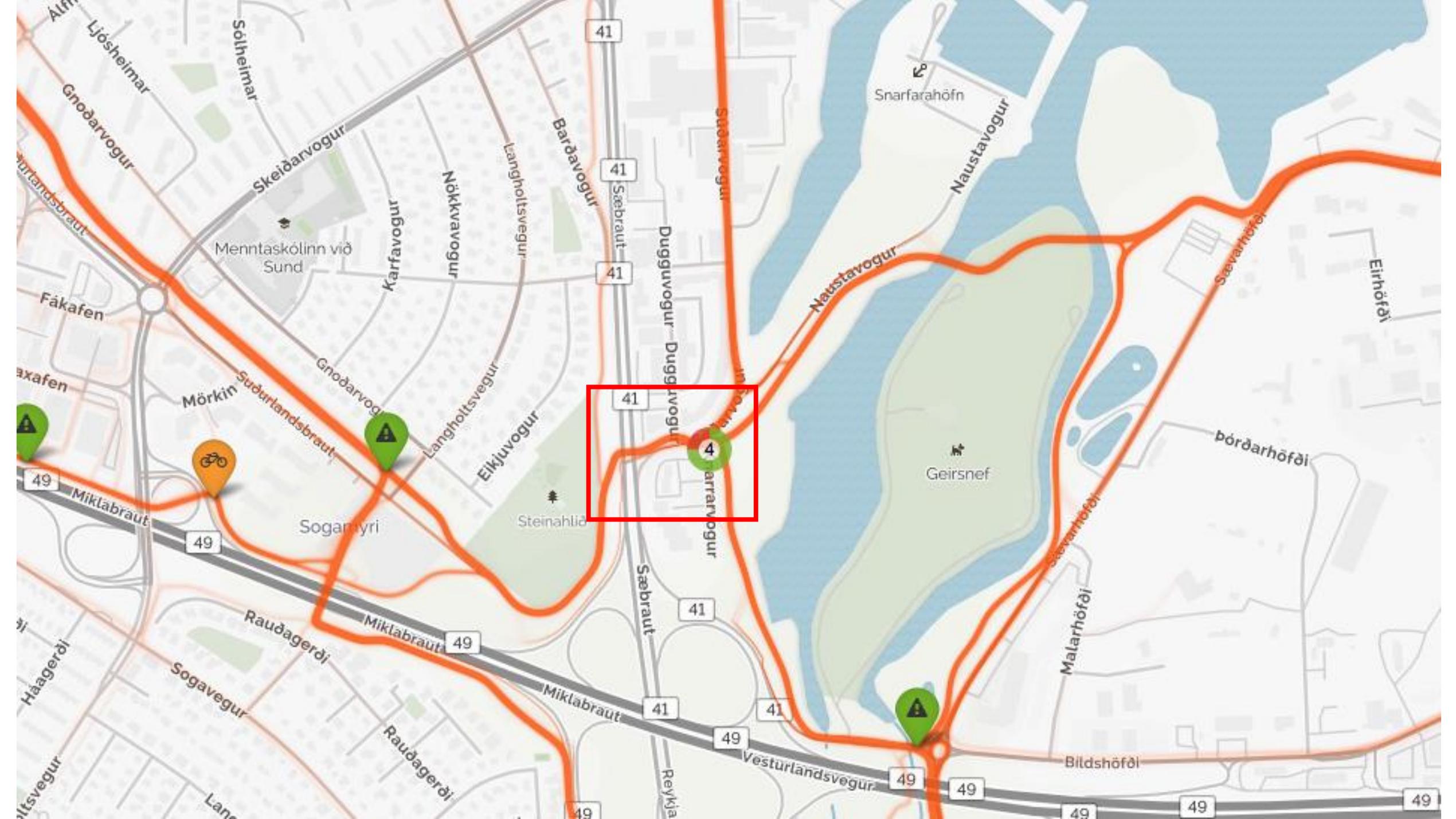
Link to Rainbow route



Hazard type: Bike lane disappears

Date: 1 Mar, 2016 2:50 PM

Details: Það er til einskis að búa til hjólastíg, og auka þannig öryggi hjólréiðafólks, ef það er svo ætlast til að það hjóli út á veginn og sláist í för með bifreiðum á hringtorgum, en þannig er það í Borgartúninu. Hjólréiðastígurinn hverfur og rennur út í bílaumferðina í hringtorgunum sem er stórhættulegt



raut

41

41

41

Sæbraut

41

41

Sæbraut

41

41

Dugguvogur Dugguvogur

Kænt

úðarvogur

Nau

Súðarvogur

Súðarvogur

2

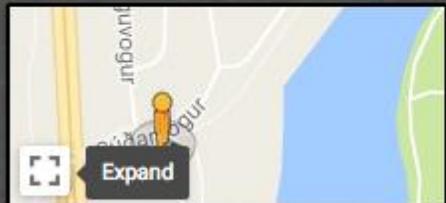
Knarrarve



← Reykjavík, Capital Region

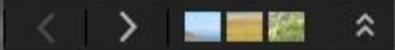


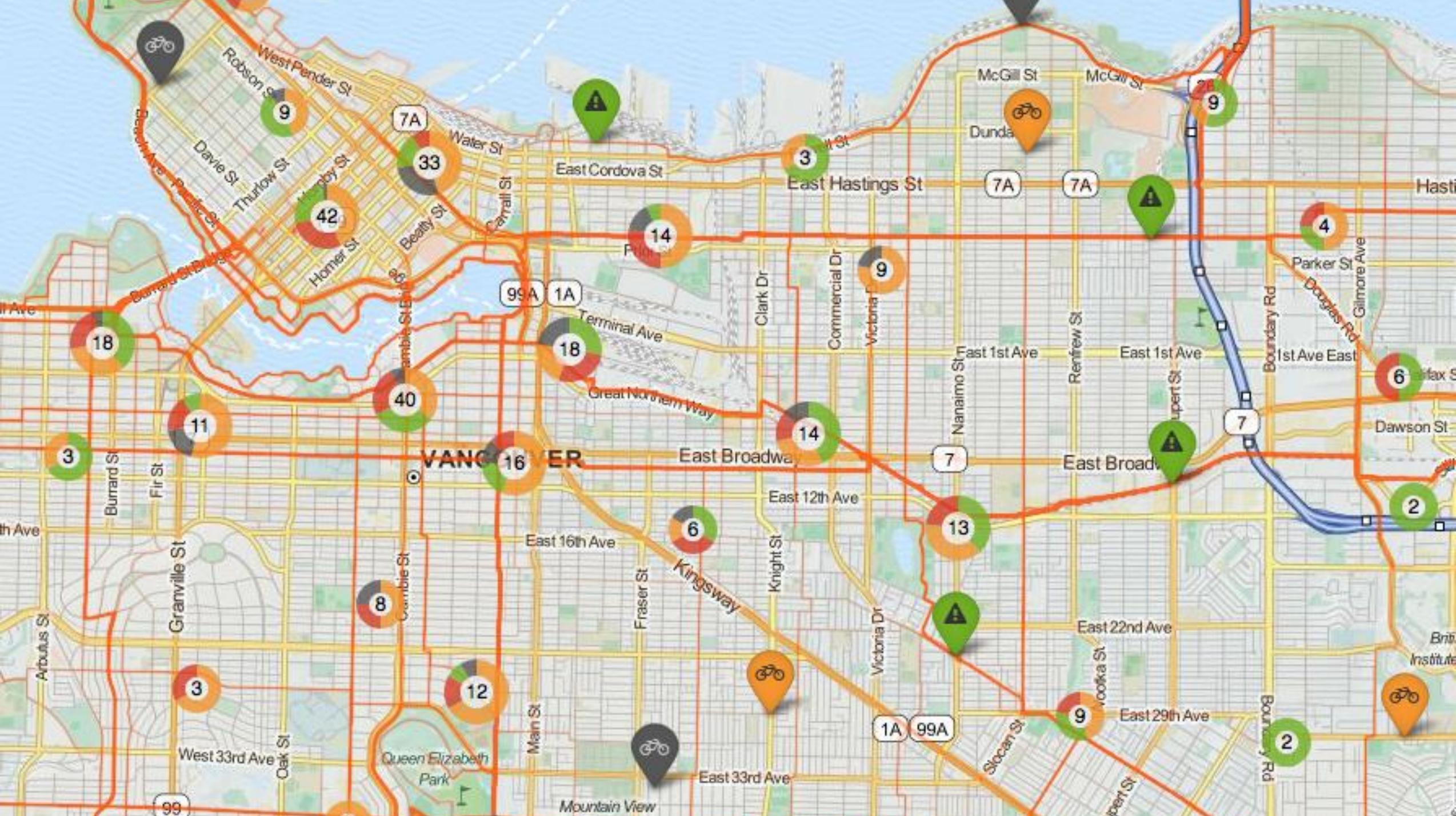
Street View - Jul 2013

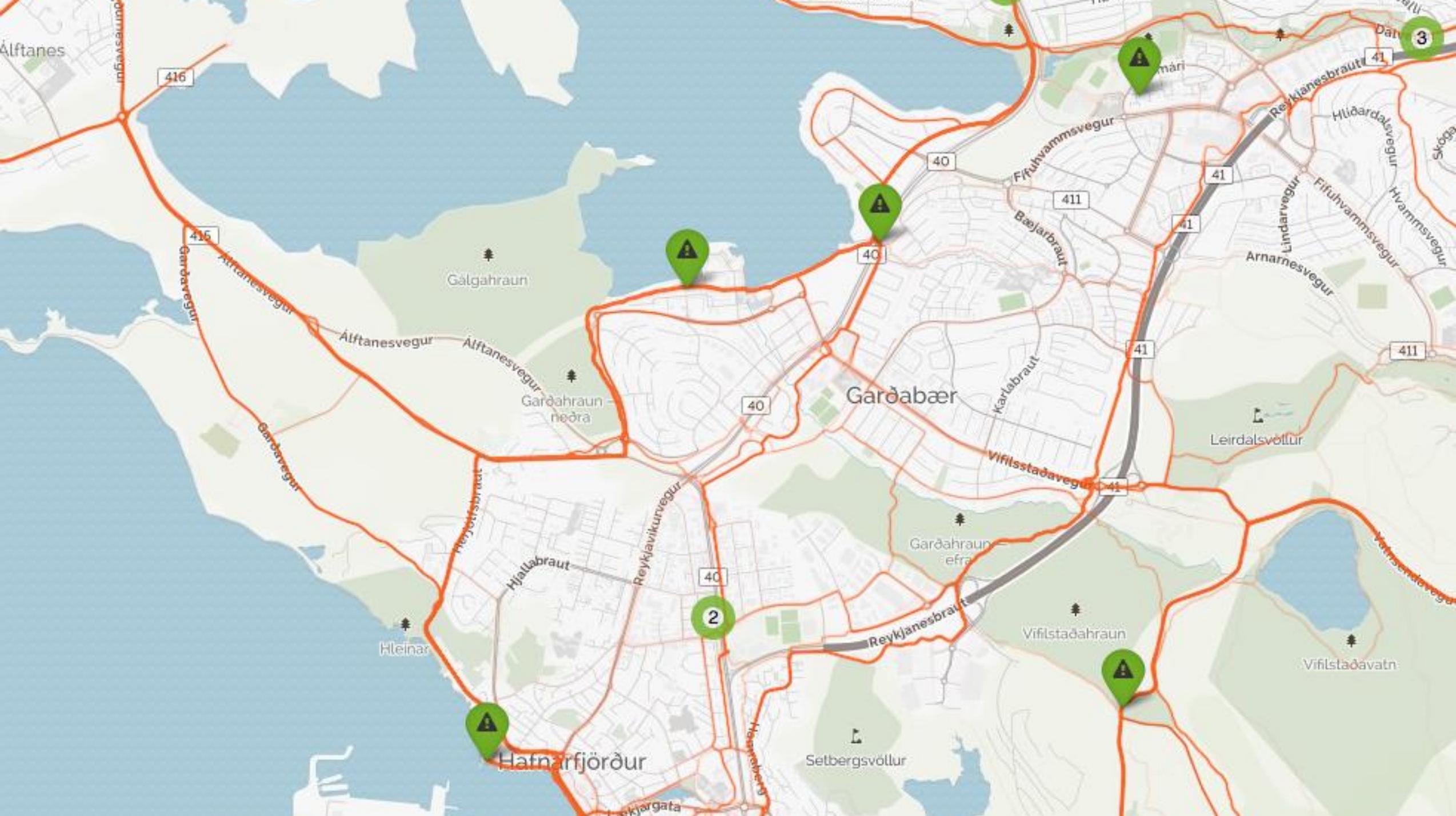


Expand

Google







Alftanes

416

415

Gálgahraun

Garðahraun
neðra

Garðabær

40

40

40

411

41

41

411

3

Hleinar

Hjallabraut

Reykjavíkuvogur

40

2

Reykjanesbraut

Garðahraun
efra

Vífilsstaðahraun

Leirdalsvöllur

Vífilsstaðavatn

Hafnarfjörður

Setbergsvöllur

Skjargata

Hvassberg

Fífuhvamsvegur

Bæjarbraut

Karlabraut

Vífilsstaðavegur

Arnarnesvegur

Húðardalvegur

Fífuhvamsvegur

Hvamsvegur

Varnarslóðvegur

Þingmári

Dalvegur



- Founded by academics at UBC, Vancouver
- Funded from many different organisations, now with its own staff and project team
- Ongoing upgrades of website, several projects in development
- Aim to advance global research into cycling safety and promotion – strong academic connections
- **Available on android and iPhone as well as online**



Dooring Caution Zones in Vancouver





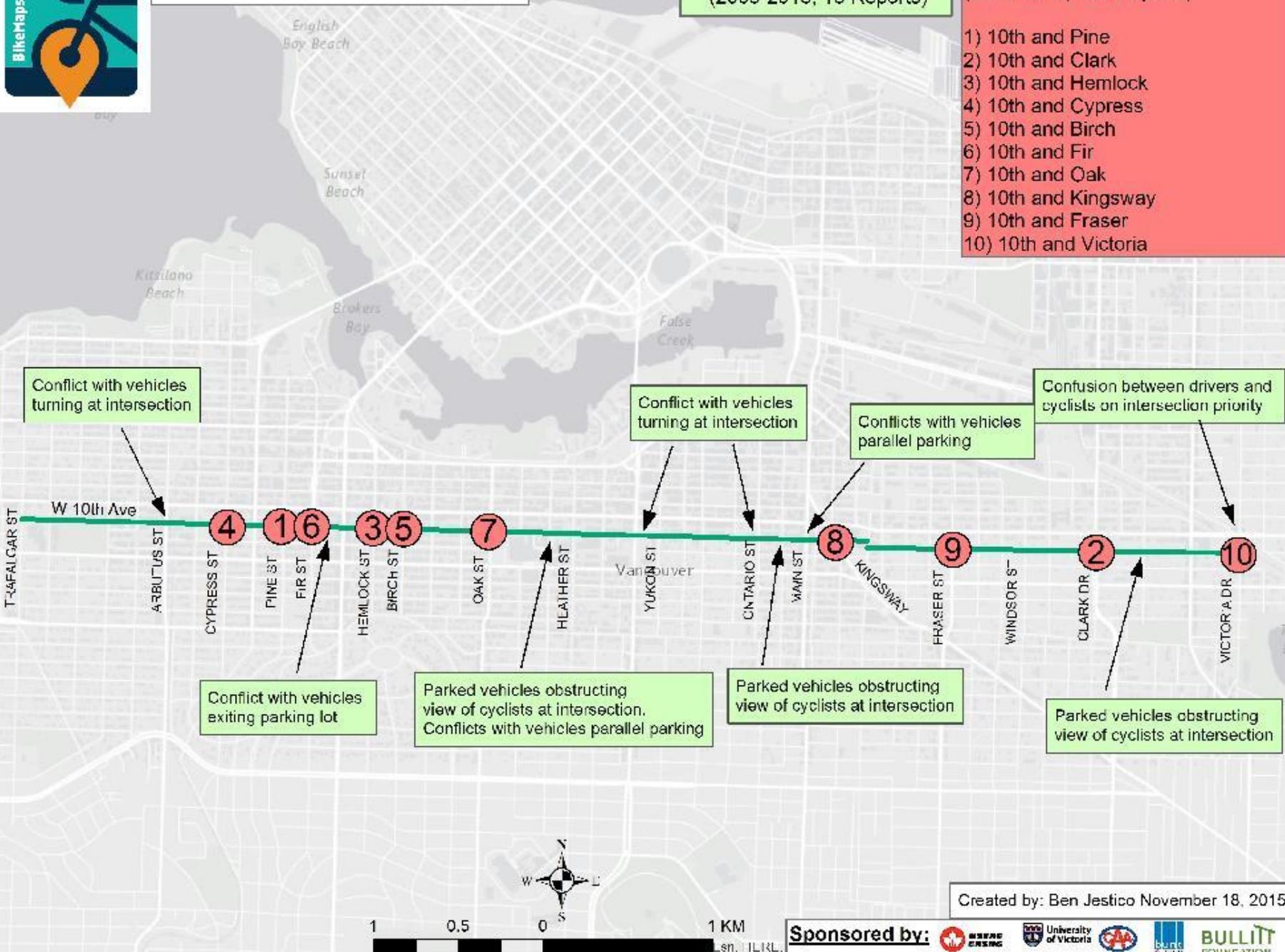
10th Avenue Trouble Spots

Vancouver Harbour

BikeMaps Incident Locations (2005-2015, 13 Reports)

Top 10 ICBC Crash Report Locations (2009-2013, 128 Reports)

- 1) 10th and Pine
- 2) 10th and Clark
- 3) 10th and Hemlock
- 4) 10th and Cypress
- 5) 10th and Birch
- 6) 10th and Fir
- 7) 10th and Oak
- 8) 10th and Kingsway
- 9) 10th and Fraser
- 10) 10th and Victoria



Created by: Ben Jestico November 18, 2015



Our project

- Website for Reykjavík at **hjolum.is/bikemaps**
- Campaign to fill Reykjavík with pins/comments: >140 so far, the more the better!
- Analyse the data to present information on hazard and accident hotspots
- Survey hotspots with drone photography and produce a report with data and recommended changes at the start of 2017. Aim is to be “implementation-ready”, minimum of further analysis needed.





September 20, 2016



Some benefits, if action taken on data

- More **enjoyable** and **attractive environment** for cyclists.
- Better public health – **fewer accidents** and more people keeping fit.
- Economic benefits from **efficient infrastructure spending** and reduced petrol consumption, wear on roads and medical expenses.
- **Increased engagement of citizens** with public planning and local democracy.
- Reduced car emissions and thus better air quality, lower greenhouse gas emissions.
- **Benefits to other places** by demonstrating a novel planning model.



Our questions:

- How can we make this information as useful as possible? What do you want to see in our report?
- Can you help us spread the word about it, e.g. through an internal work email list, or through clubs that you are part of?
- Would you like this to be a multi-year project?
- Would you pin for us on **hjolum.is/bikemaps**? Takes 2 minutes!
- Contact: jamie@resource.is



