

# Mapping Oxford for Cyclists

## Creating a living map for Oxford's cyclists using OpenStreetMap

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OpenStreetMap

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# What we want to achieve

- A map that's relevant to cyclists
- Most street maps are car-focused
- Printed map
- Maps for the Cyclox website
- Use Cyclox's storehouse of knowledge

# About OpenStreetMap

- [www.openstreetmap.org](http://www.openstreetmap.org)
- The free, editable map of the world
- Like Wikipedia
  - Collaborative space
  - Anyone can edit
  - Mistakes can be corrected quickly

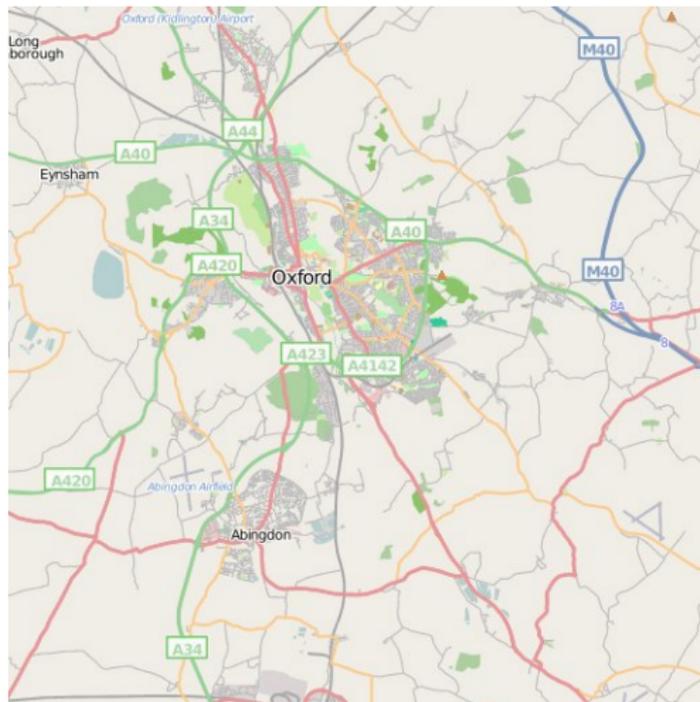
# The Living Map

- License makes it free to reuse
- Anyone can contribute
- Huge, worldwide community
- Single database but multiple renderings

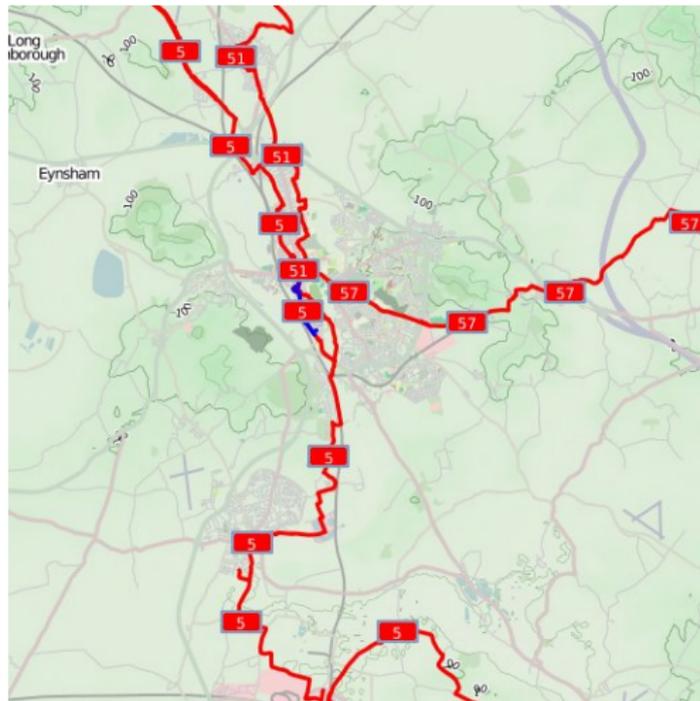
# What We Already Have

- Specialised renderings for cyclists
- 95% to 99% of Oxford is already well mapped

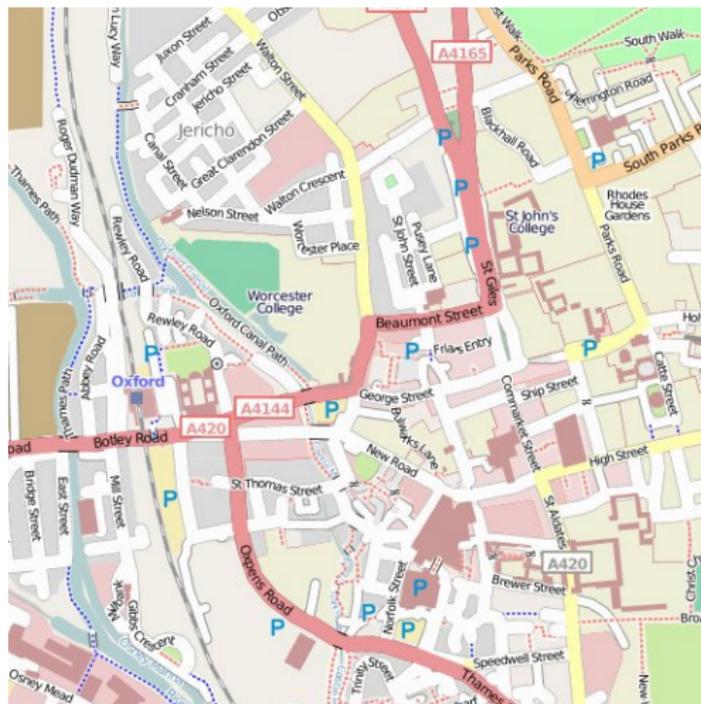
# Mapnik



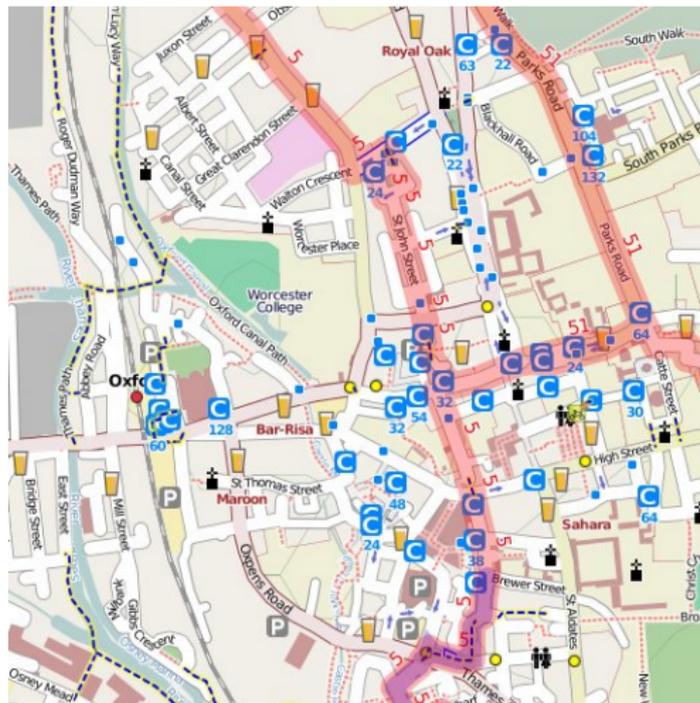
# OpenCycleMap



# Mapnik



# OpenCycleMap



# What needs to be mapped?

- Bicycle parking: Capacity is the most important feature
- Cycleable ways: Starts and ends.
- Bicycle routes: Numbered or otherwise
- Bus lanes: the ones that allow bicycles, anyway.

# What doesn't need to be mapped?

- Not all facilities are that useful

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(Daniel Barlow)

## Lanes and crossings

- On-road cycle lanes: with width estimates
- Off-road cycle tracks: lit? surfaced?
- Shared-use pedestrian paths: can be useful links
- Pelican (pedestrian) or Toucan (cycle) crossings
- Traffic lights: often have crossings attached.

## Miscellaneous facilities

- Bike shops
- Public toilets
- Water fountains, cafés, and pubs
- Anything else?

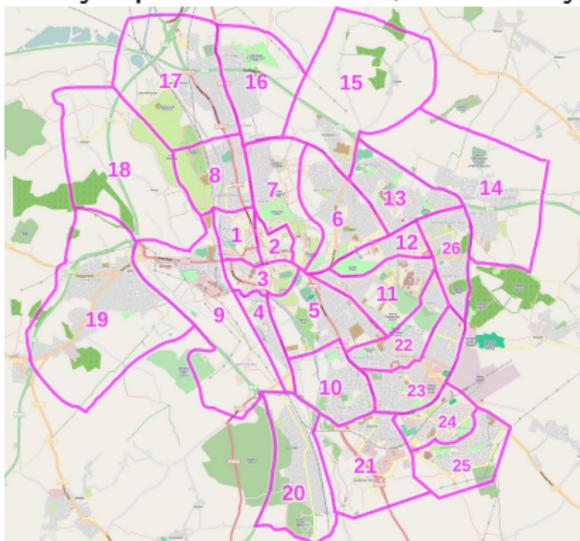
## Stuff that might not be rendered

Some features might not be rendered on the maps we make from the data, but they can still be used by route planning software.

- Obstructions in cycle lanes
- 20 mph zones
- Traffic calming

# Cake slices

We've divided the city up into 26 slices, and everyone gets a piece:



# Gathering the data

- Your pack has a blank(ish) map of your slice
- Ride or walk around the city recording data on the map
- “Footnote” markers
- More complete notes on a separate sheet of paper
- Timescale
  - About 3 hours total per slice
  - Needs to be done in the next 3-4 weeks

## Gathering data (2)

- Within your slice
  - Keep turning left
  - If you've visited a junction before, take the next leftmost unvisited exit
  - ... record what you see as you go
- You can also mark off where you've been on your spare map

## How what you gather gets used

Once we have all or most of the mapping packs back, we can start adding the data into the OpenStreetMap database.

- We'll be organising a mapping workshop for this in 3-4 weeks
- Hopefully around 5-10 people
- Sit down with laptops, pizza and coffee, enter all the data you gathered
- Ideally a custom stylesheet by that point too.