

Waterloo Station Freight Hub

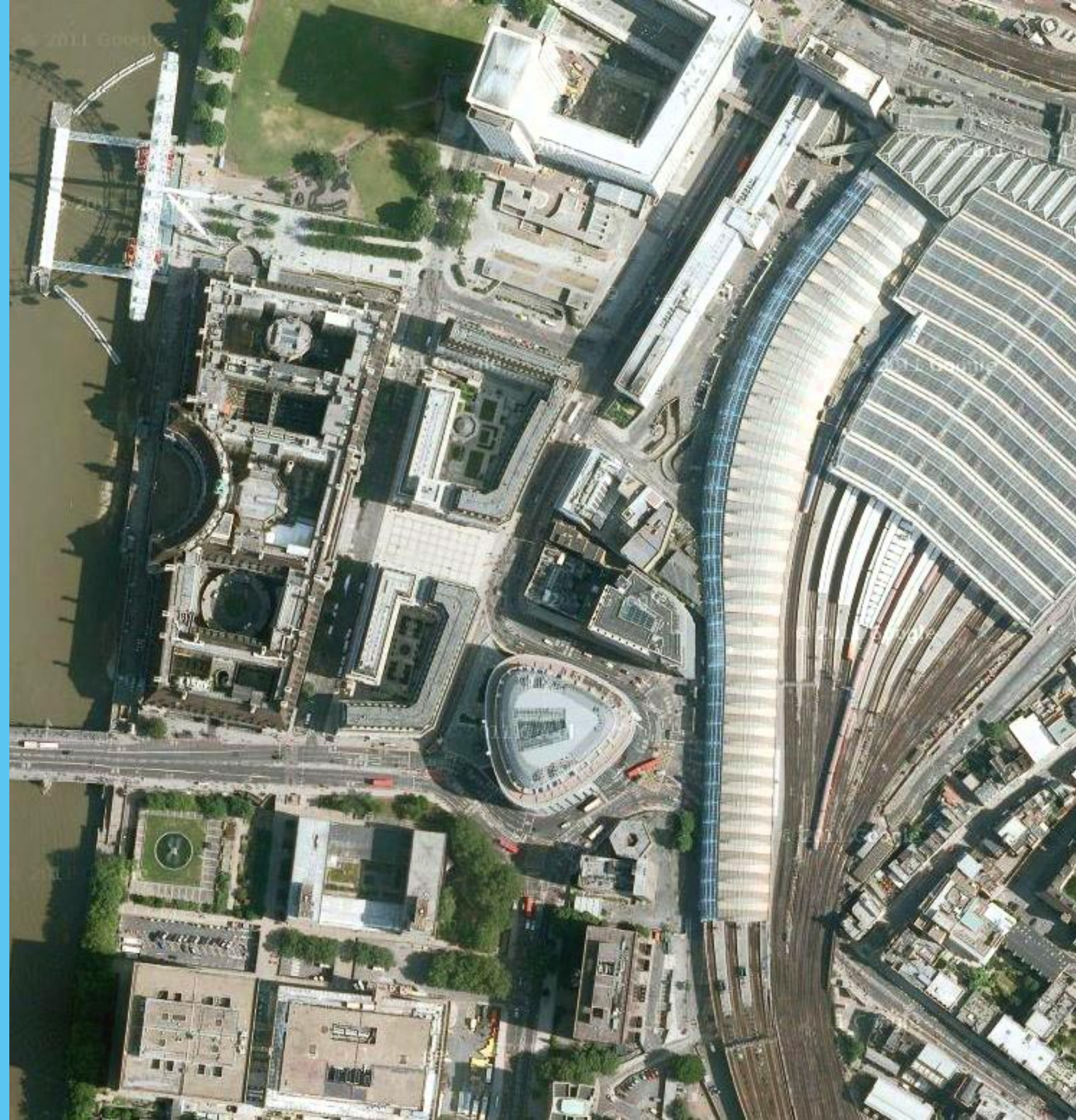
Identifying the potential for a rail freight and
zero emission hub at Waterloo Station

February 2023



Impact
on **Urban
Health**

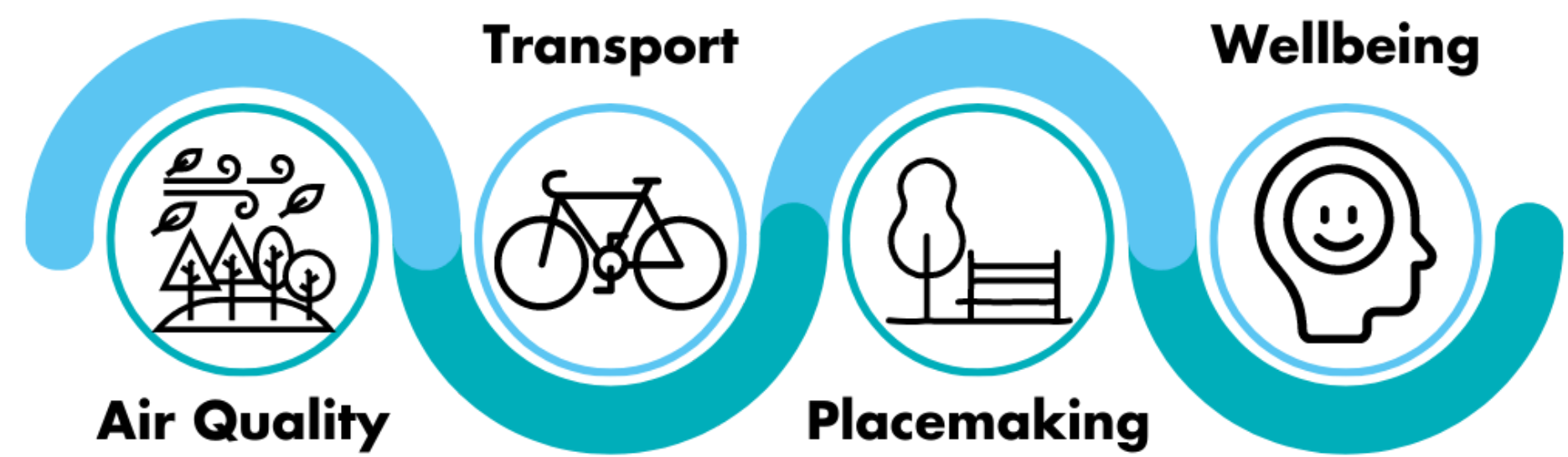
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About Cross River Partnership

Cross River Partnership (CRP) is a partnership delivering environmental, economic and community-focused projects. We support public, private and voluntary organisations to creatively address challenges around air quality, transport, placemaking and wellbeing.



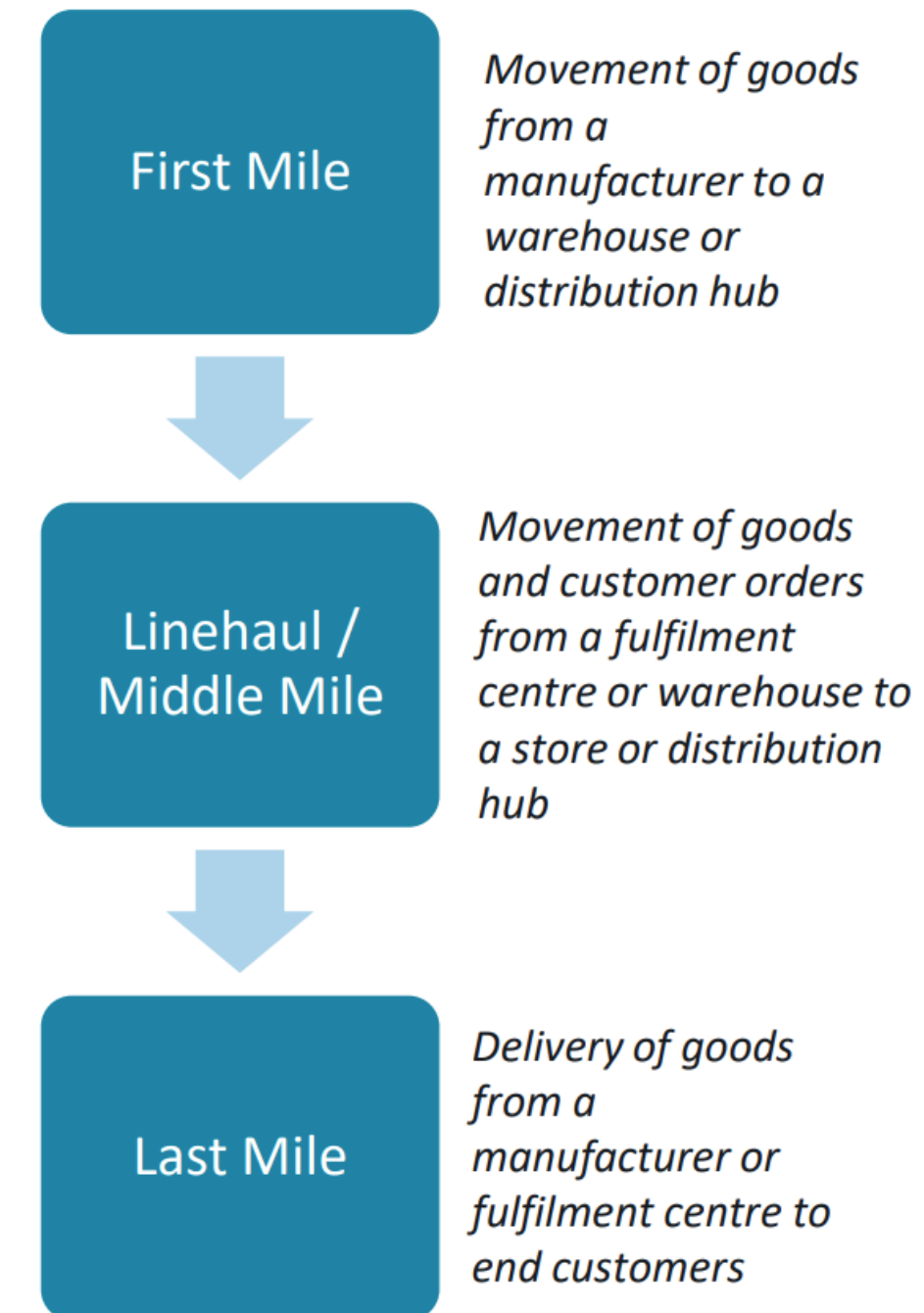


Rail freight study

In 2023 CRP has worked on a report, in conjunction with Impact on Urban Health and Steer, looking at the feasibility of increasing the volume of freight coming into London by rail.

The report found that rail provides a "credible option" for bringing freight into London during the "middle mile". Waterloo Station was identified as an ideal destination due to its large storage capacity, step free access and excellent transport connections.

The report highlighted two key methods of delivering the freight, either as part of existing passenger services or via dedicated freight trains.





Introduction to Waterloo hub

The proposed Waterloo hub is a unique location providing a large storage site directly underneath Waterloo Station in the heart of central London.

Waterloo is well connected to receive freight via rail or river and ideally placed to make use of sustainable onward delivery.

There are a number of Cargo bike couriers in the area able to provide fast and efficient delivery via London's cycle network, as well as good road links for electric vehicles.

The hub therefore provides the opportunity to move significant volumes of freight via sustainable, low emissions transport.

Cargo Bikes

Fast & efficient last mile delivery

Numerous couriers throughout London providing pickup and delivery as well as insurance, storage, maintenance and customer service

Couriers provide business to business as well as business to customer deliveries

Many Cargo bike models from simple manual Butcher's bikes to large electrically assisted Pedicabs providing loads between 60kg and 250kg

Access to 900km London cycle network¹

Zero emissions

CARGOBIKE TYPOLOGY

TWO-WHEELERS



Butcher's Bike



Compact Cargo



Long John



Bakfiets / Box Bike



Long Tail



Transporter

THREE-WHEELERS



Coffee Trike / Cargotrike



Christiania / Cargotrike / Bakfiets

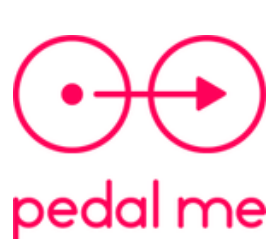


Rickshaw / Trishaw / Velotaxi



Heavy Duty Delivery Bike

[Image license link](#)



delivery mates
Fast and Friendly



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Impact
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Electric vehicles

Waterloo Station is well connected to London's road network and therefore offers opportunity for Electric Vehicles (EV) offering a larger range and increased payload compared to cargo bikes..

Different types of EV for last mile freight ¹

Small Light Commercial Vehicle (LCV)

- Small Van
- Typical payload 750Kg
- Up to 2.4m (L), 1.4m (H), 1.7m (W)

Large LCV

- Large Vans
- Typical payload 1500kg
- Up to 3.2m (L), 1.5m (H), 2.2m (W)

Light Rigid Truck

- Over 3.5T Gross Vehicle Mass
- Typical payload 2000Kg
- Up to 6m (L), 2.4m (H), 2.4m (W)



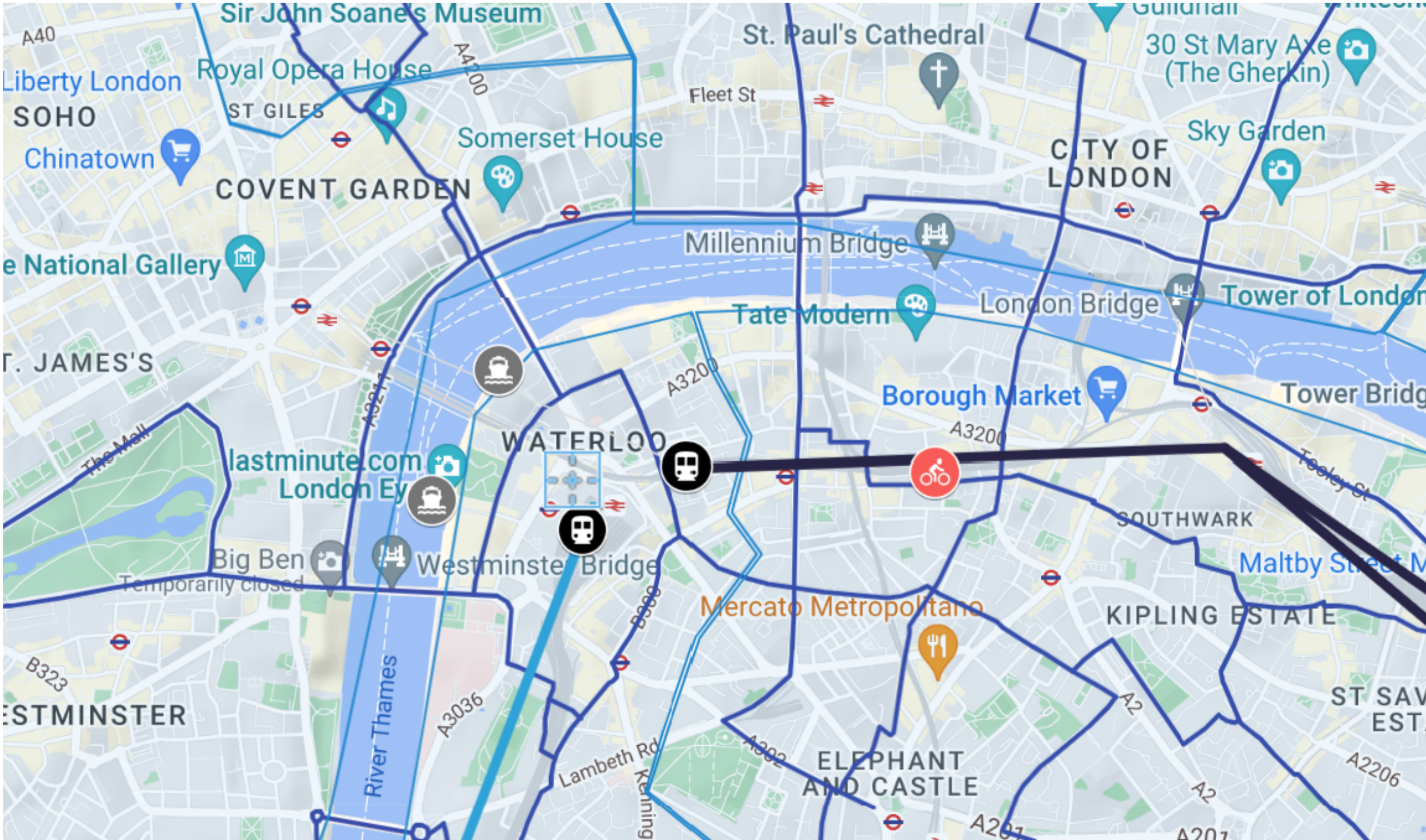
Waterloo Hub







Location

Waterloo is ideally located for incoming freight via rail and river and for ongoing freight via excellent road and cycle networks.

Waterloo station is serviced by Southwestern rail with nearby Waterloo east connected to Southeastern rail. Waterloo and Festival pier are nearby offering the potential of river freight.

Waterloo is well connected to the London cycle network and close to Waterloo and Westminster road bridges for quick access north of the river.



	Southwestern Rail		Railway Station
	Southeastern Rail		River Pier
	London Cycle Network		Cargo Bike Hub

Waterloo Hub

Incoming Freight

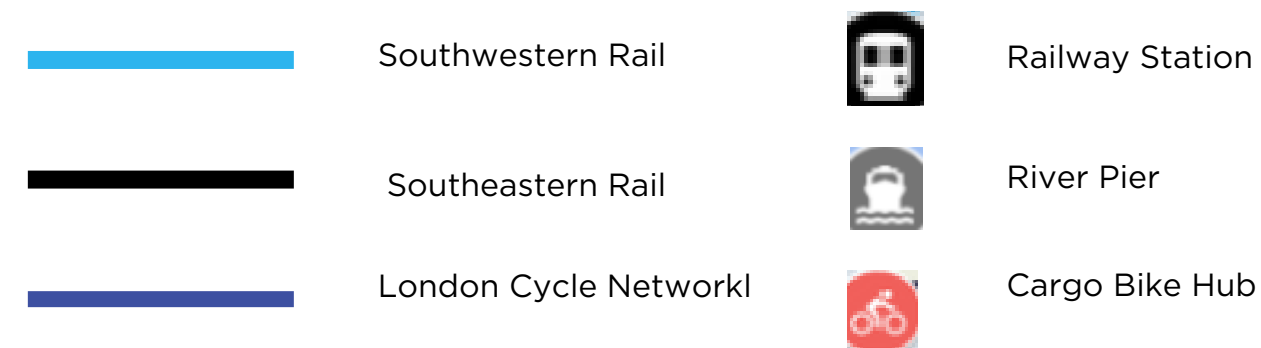
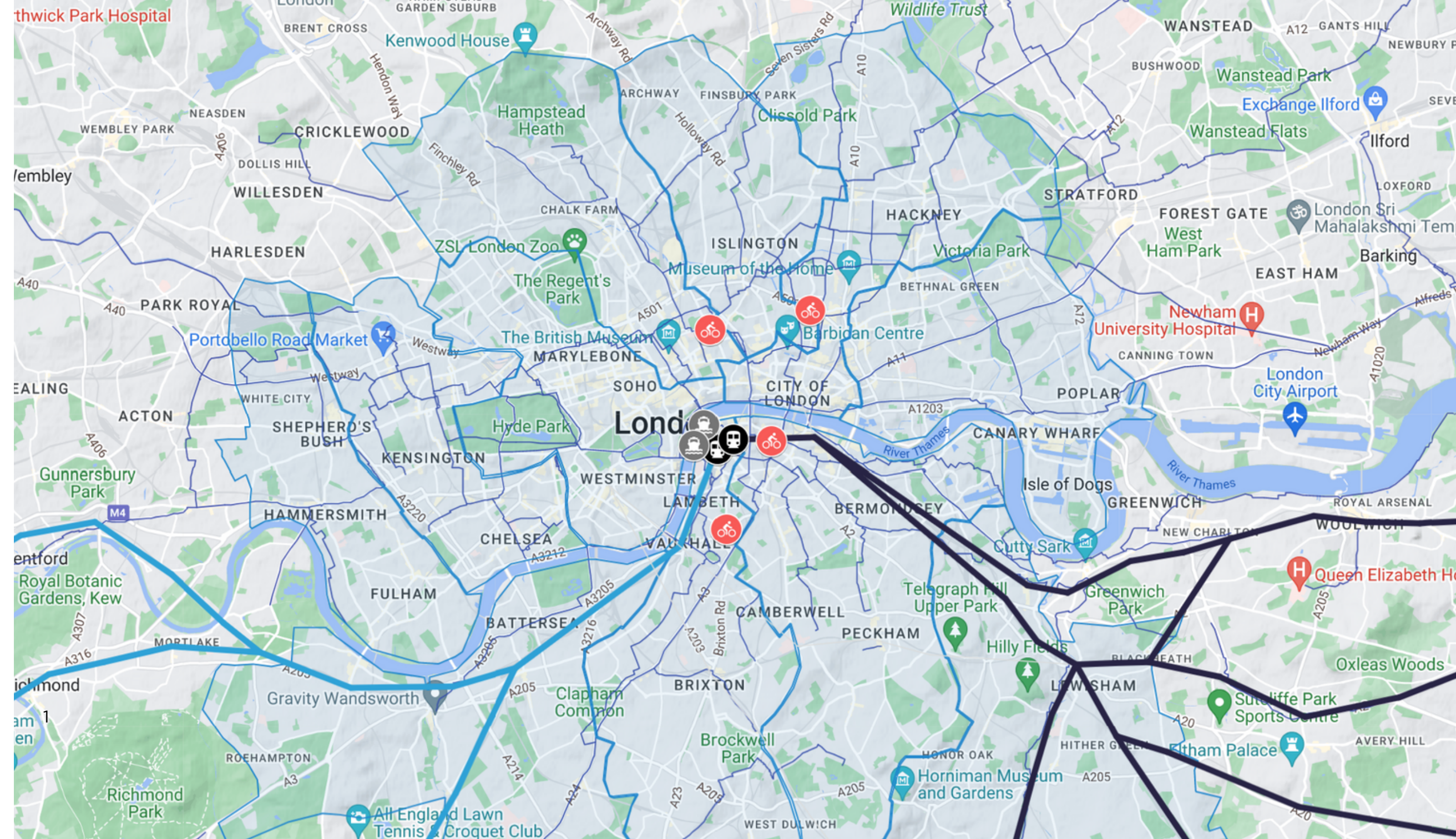
"The River Thames has enormous, untapped potential for handling light freight" WSP Report, 2022.

Freight access via River

- Waterloo Pier
- Festival Pier

Freight access via Rail

- Southwestern Rail
- South Eastern Rail
- Links to other Rail networks



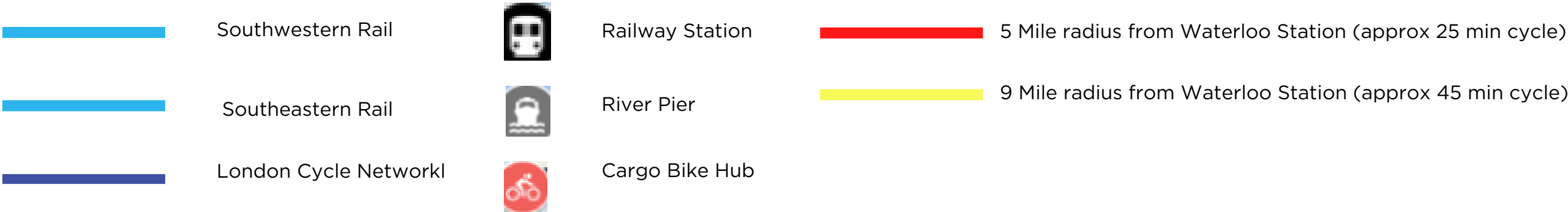
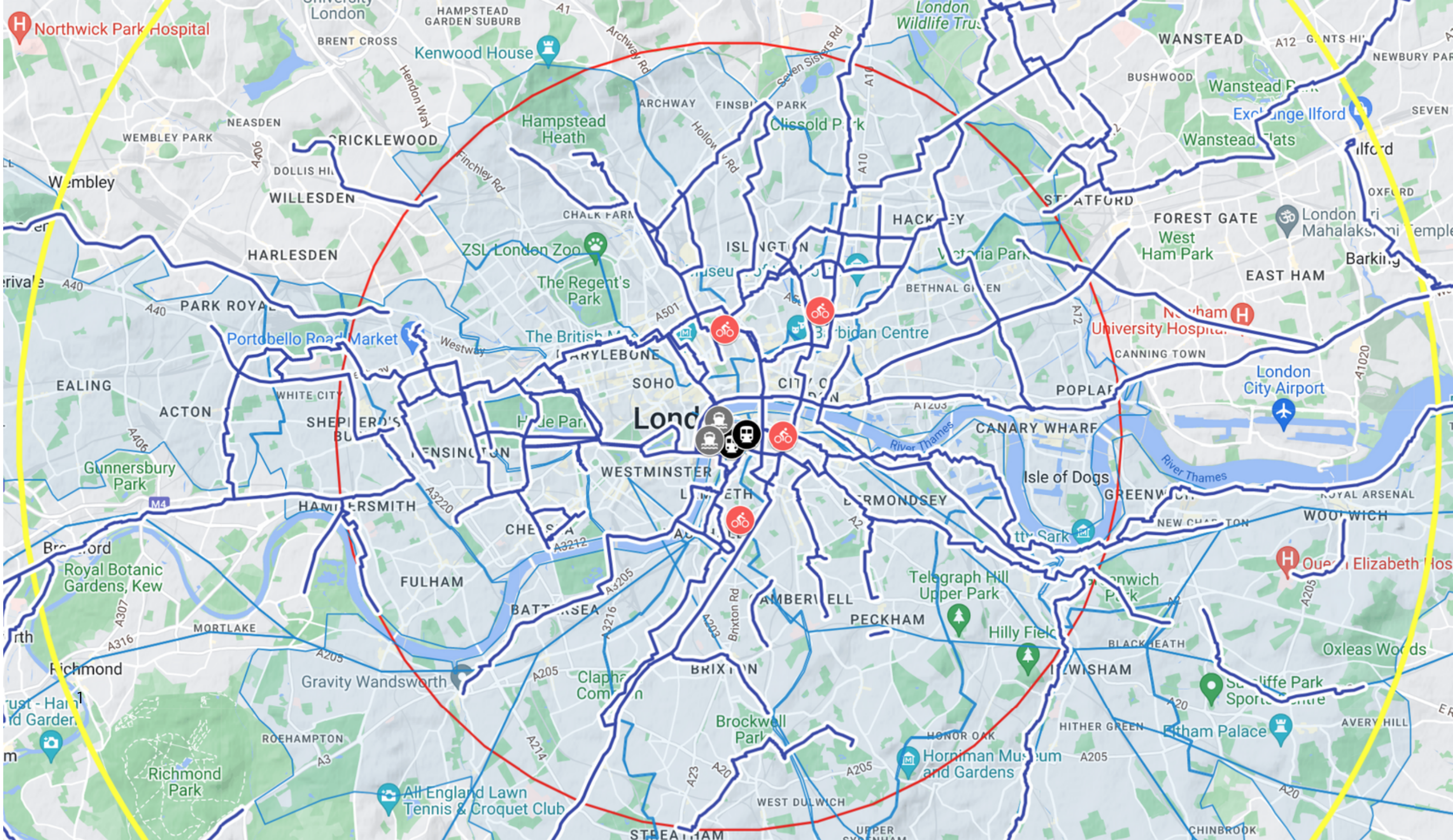
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Waterloo Hub

Ongoing Freight

Cargo Bike

- Access to nearby Cargo bike courier firms
- Access to cycle network
- Up to 9 mile delivery radius with electrically assisted bikes²
- Access to 3.5 million people in inner London³
- Access to 200,000 businesses in inner London⁴



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- A faded background image showing a river scene. In the foreground, a small boat is docked at a pier. In the background, a city skyline is visible, featuring a prominent, curved, modern building. The image is in grayscale and has a low opacity.
1. nationwidevehiclecontracts.co.uk
 2. Wikipedia
 3. Pedalme
 4. Wikipedia
 5. Centre for Cities

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CRP YouTube Channel

