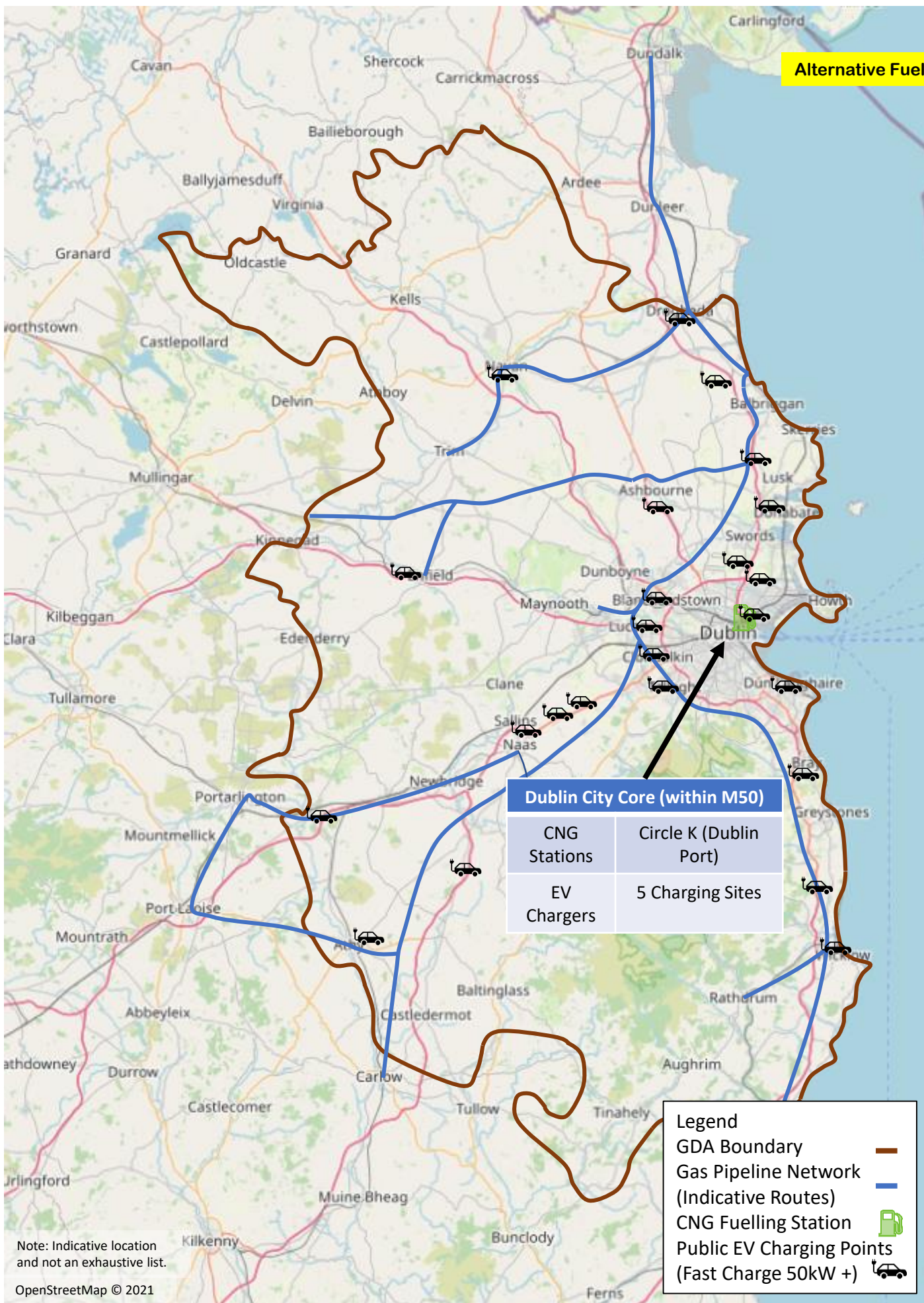
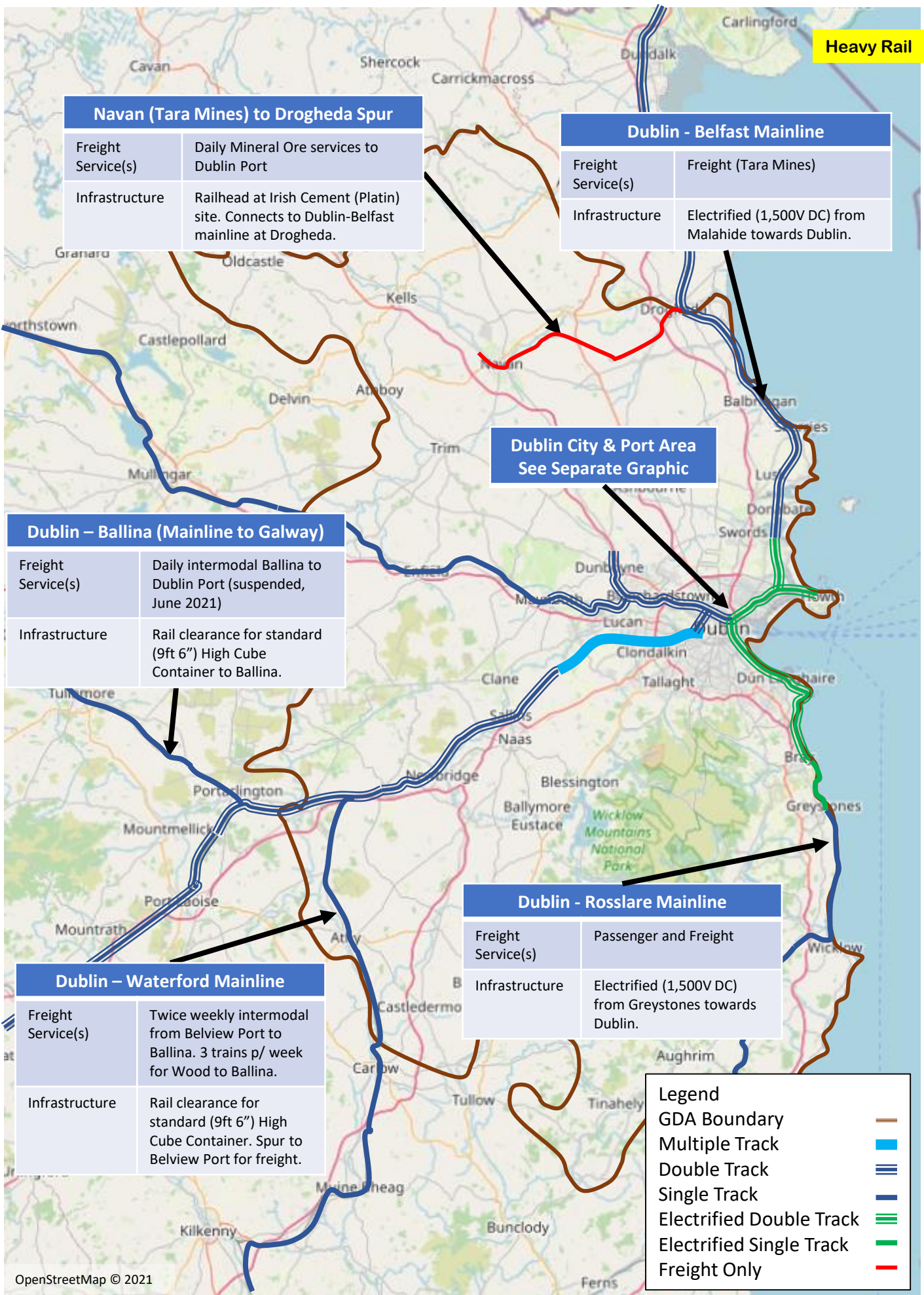


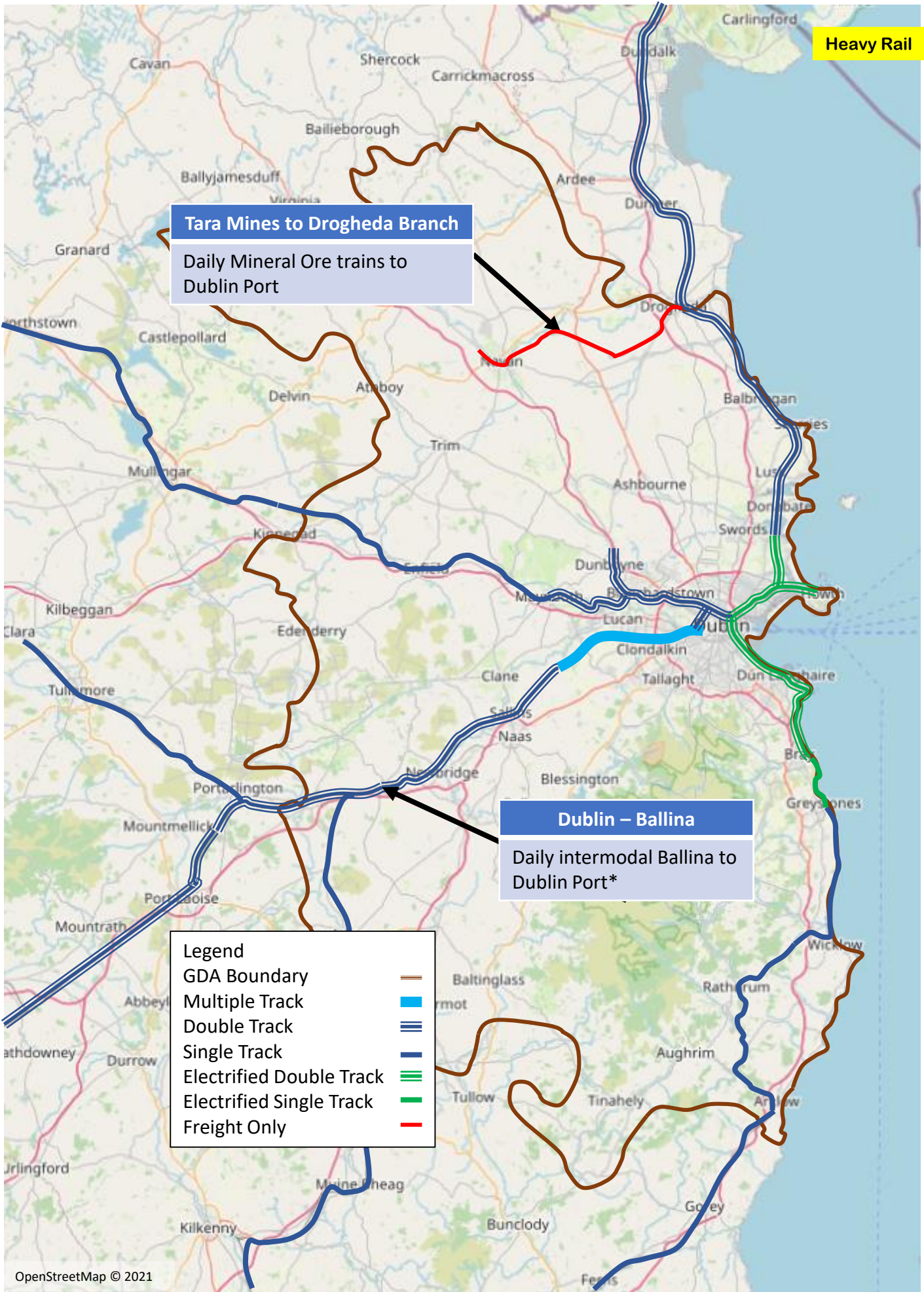
Alternative Fuel



Note: Indicative location and not an exhaustive list.

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Drogheda Port (GDA Broder, Co. Louth)

Tonnes p/yr	1.2 million tpa (2020)
Destinations	Belfast, Cork, Rotterdam, Oslo, Lysekil & Szczecin
Freight Types & Services	Container, Paper, Bulk Goods (grain, steel, timber) + Private Terminals for hydrocarbons (oil) and cement/magnesite/ coal
Logistics Providers	Fast Terminals Ireland Ltd., Martin Butterly & Co Ltd, Patrick Monahan (Drogheda) Ltd.,
Strategic Connection	Road (M1, ca. 6km drive to west)

Dublin Port

Tonnes p/yr	25.2 millions tpa (2020)
Destinations	U.K. (Belfast, Holyhead, Liverpool, Heysham), Europe (Rotterdam, Antwerp, Zeebrugge, Cherbourg, Santander, Bilbao, Porto Leixoes)
Freight Types & Services	Lo-Lo, Ro-Ro, Bulk Liquids, Bulk Solids, Multi use, Warehousing/ storage facilities
Logistics Providers	Maersk, CLdN, Seatruck, P&O Ferries, Irish Ferry Freight, Stena Line, DFDS, Eucon
Strategic Connection	Road (Port Tunnel/ M50) & National Rail Network

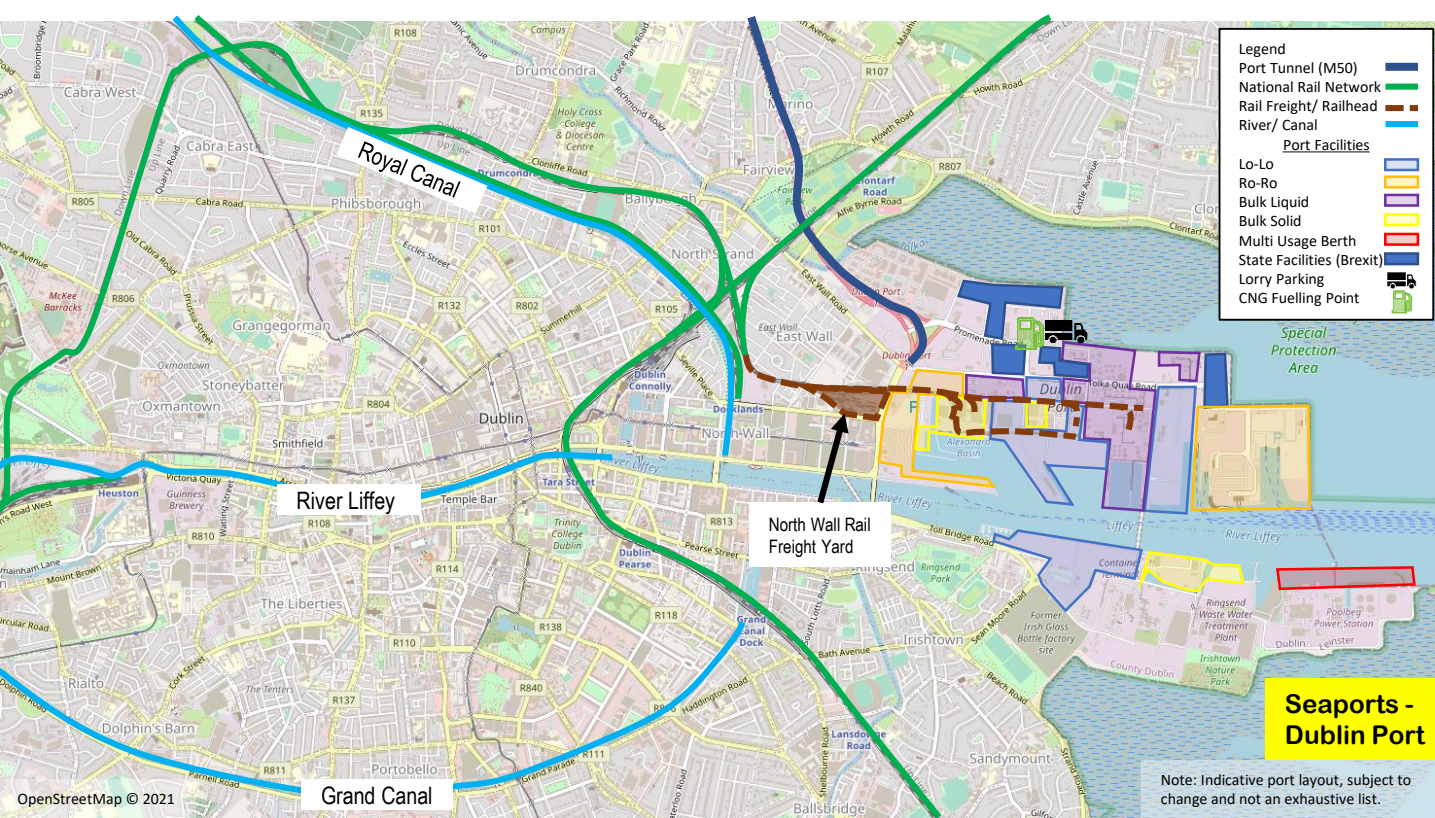
Wicklow Port

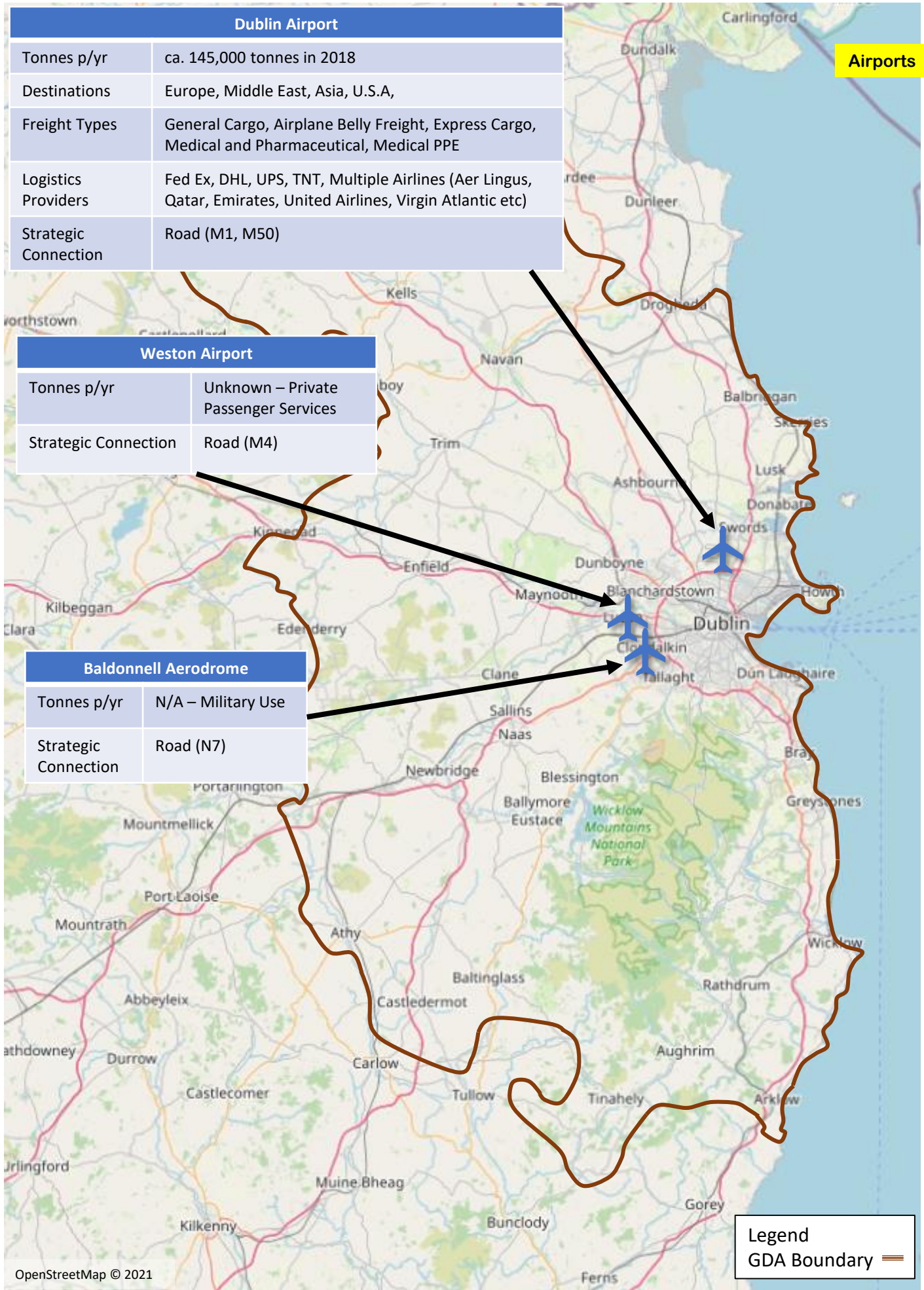
Tonnes p/yr	153,000 tpa (2020)
Destinations	Costal Trade, Belfast & U.K
Freight Types & Services	Bulk Cargo, Project Cargo, Recycled Materials and Derived Fuel,
Logistics Providers	Conwayport
Strategic Connection	Road (M11, ca. 5km drive to west)

Seaports

Legend

GDA Boundary





Appendix 1

Track Configuration Map 1 of 2
(See Appendix 1A for Dublin / Cork Areas)



Version 1.0 August 2020

LEGEND

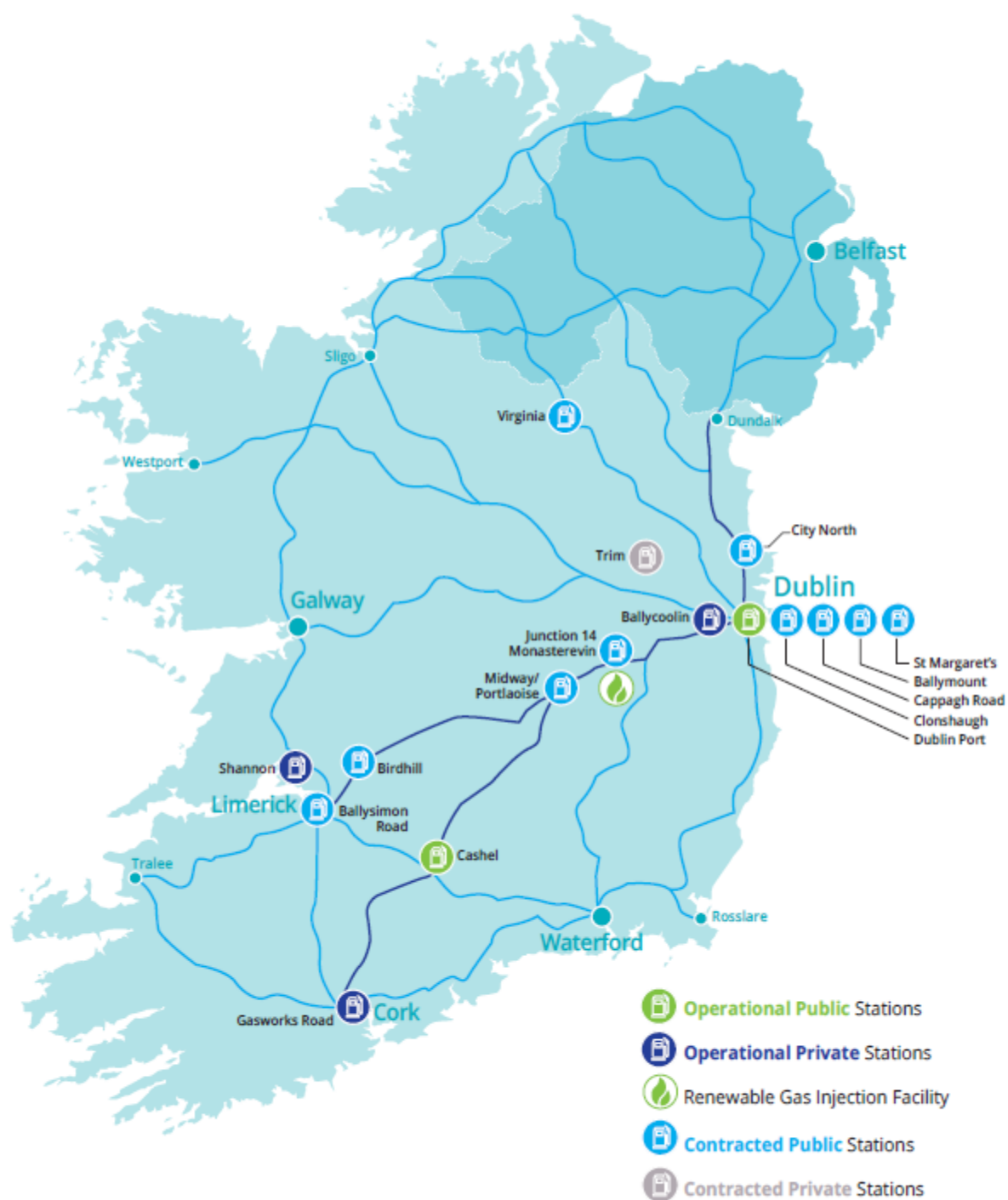
- Multiple Track
- Double Track
- Double Track (Electrified)
- Single Track (Electrified)
- Single Track
- Freight Only
- Stations / Depots





Pipeline Map





Transmission System Map



Transmission System
400, 275, 220 and 110 kV
January 2020

- 400kV Lines
- 275kV Lines
- 220kV Lines
- 110kV Lines
- - - 220kV Cables
- - - 110kV Cables
- - - HVDC Cables
- 400kV Stations
- 275kV Stations
- 220kV Stations
- 110kV Stations

Transmission Connected Generation

- Hydro Generation
- Thermal Generation
- ▼ Pumped Storage Generation
- Wind Generation

