

Technical note 03

Appendix B –High Level Heat Maps

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Figure B.1 – All NI to 30 RoI Sectors UC1-3

Belfast and Northern Ireland Models: Cross Border Movements

Modelled Weekday 12hr Car/LGV Trips (UC1-3)

All NI to RoI - 2 Way Trips

Legend

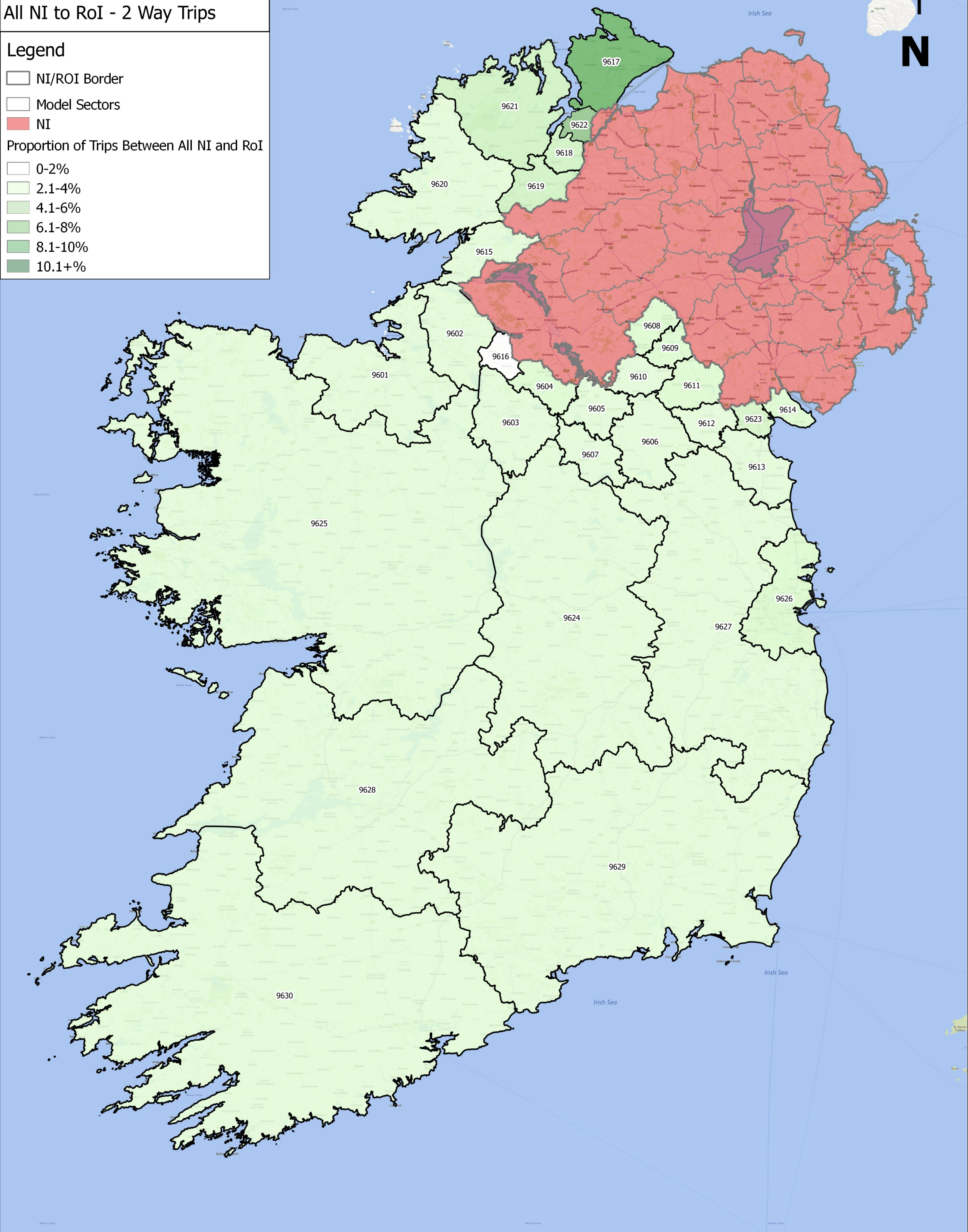
NI/ROI Border

Model Sectors

NI

Proportion of Trips Between All NI and RoI

- 0-2%
- 2.1-4%
- 4.1-6%
- 6.1-8%
- 8.1-10%
- 10.1+%



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Figure B.2 – All NI to 30 RoI Sectors UC4

Belfast and Northern Ireland Models: Cross Border Movements

Modelled Weekday 12hr HGV Trips (UC4)

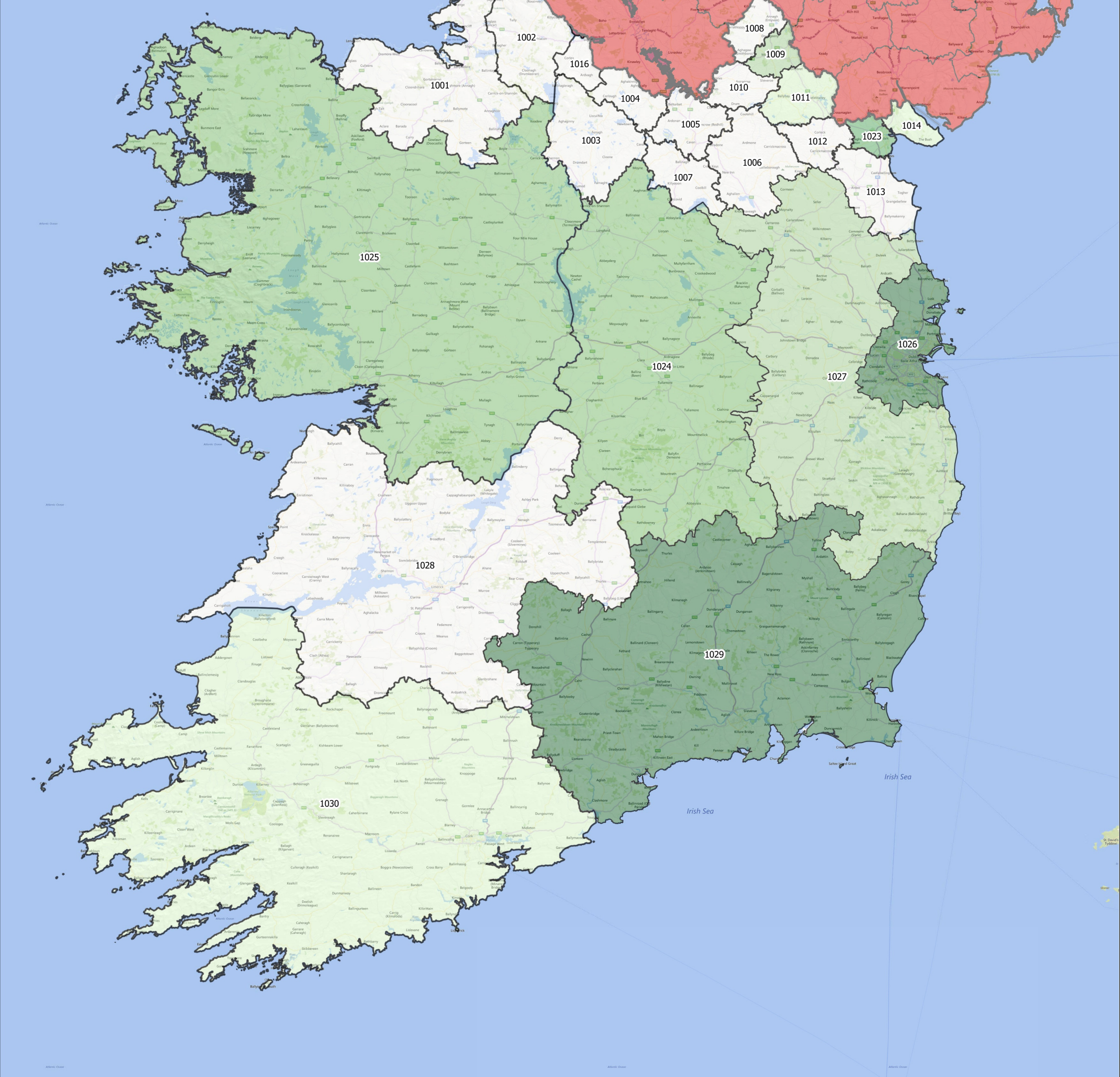
All NI to RoI - 2 Way Trips

Legend

- NI/ROI Border
- NI

Proportion of Trips Between All NI and RoI

- 0-2%
- 2.1-4%
- 4.1-6%
- 6.1-8%
- 8.1-10%
- 10.1+%



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Figure B.3 – All RoI to 26 NI Sectors UC1-3

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Figure B.4 – All RoI to 26 NI Sectors UC4

Belfast and Northern Ireland Models: Cross Border Movements

Modelled Weekday 12hr HGV Trips (UC4)

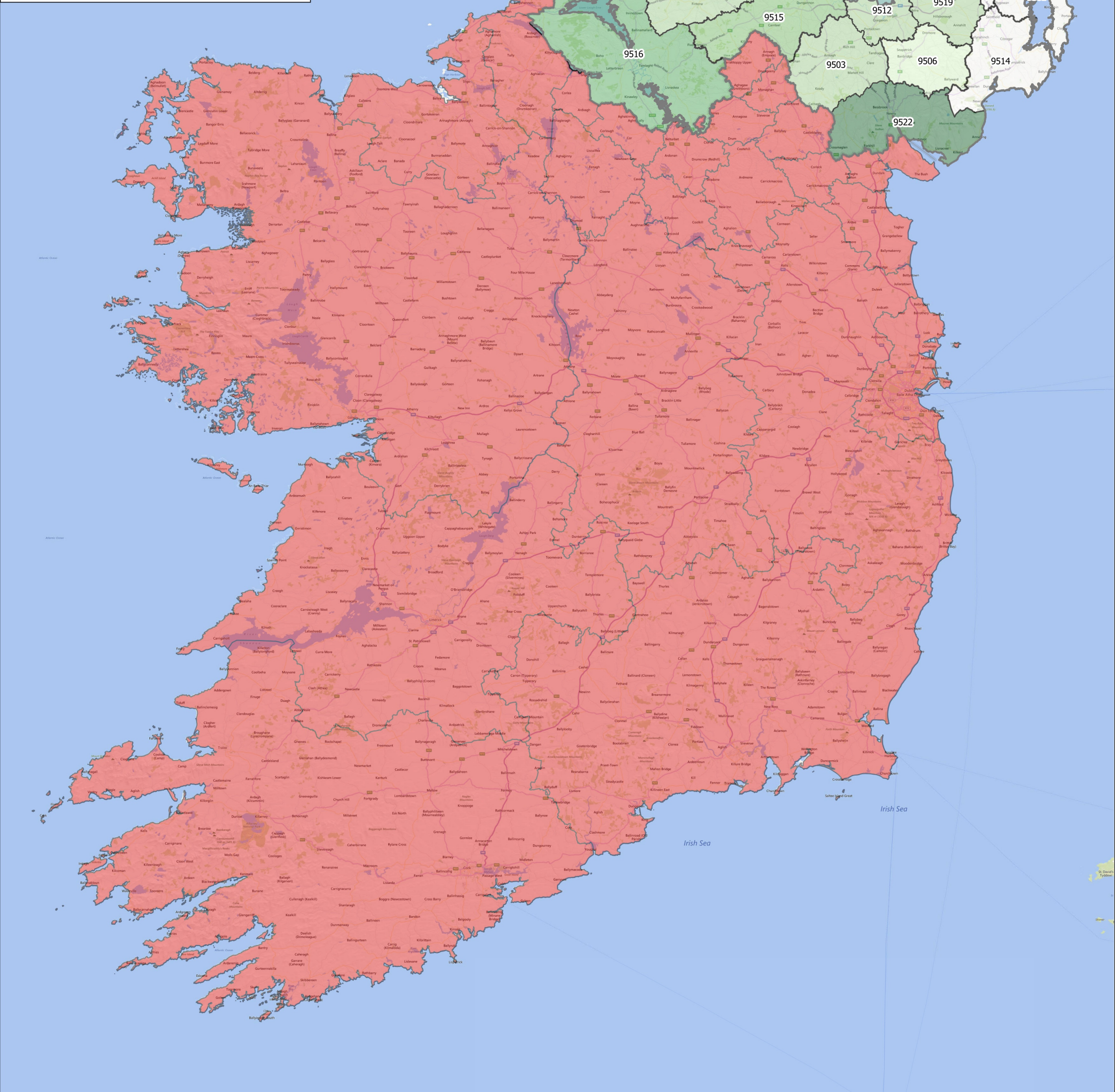
All RoI to NI - 2 Way Trips

Legend

- NI/ROI Border
- Model Sectors
- RoI

Proportion of Trips Between All RoI and NI

- 0-2%
- 2.1-4%
- 4.1-6%
- 6.1-8%
- 8.1-10%
- 10.1+%



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Appendix C – Sector Level Examples

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Figure C.1 – Sector 9522 (Newry) to All RoI – Car/LGV

Belfast and Northern Ireland Models: Cross Border Movements

Modelled Weekday 12hr Car/LGV Trips (UC1-3)

Origin: Sector 9522 (Newry)

Destination: All RoI

Legend

NI/ROI Border

Model Sectors

Sector 9522 (Newry)

Proportion of Trips from Sector 9522 to All RoI

0%

1-10%

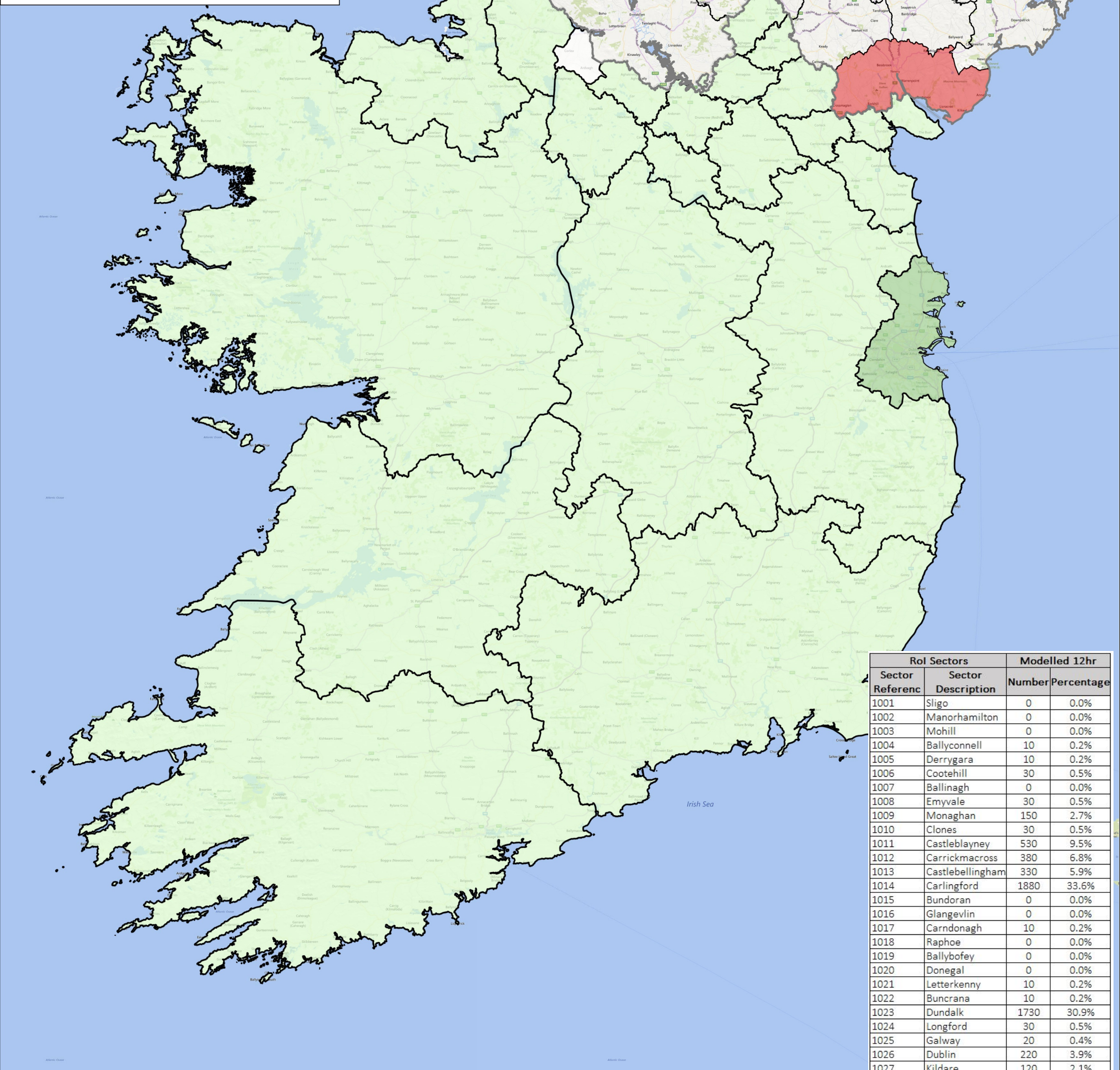
11-20%

21-30%

31-40%

41-50%

51+%



RoI Sectors		Modelled 12hr	
Sector Referenc	Sector Description	Number	Percentage
1001	Sligo	0	0.0%
1002	Manorhamilton	0	0.0%
1003	Mohill	0	0.0%
1004	Ballyconnell	10	0.2%
1005	Derrygara	10	0.2%
1006	Cootehill	30	0.5%
1007	Ballinagh	0	0.0%
1008	Emyvale	30	0.5%
1009	Monaghan	150	2.7%
1010	Clones	30	0.5%
1011	Castleblayney	530	9.5%
1012	Carrickmacross	380	6.8%
1013	Castlebellingham	330	5.9%
1014	Carlingford	1880	33.6%
1015	Bundoran	0	0.0%
1016	Glangevlin	0	0.0%
1017	Carndonagh	10	0.2%
1018	Raphoe	0	0.0%
1019	Ballybofey	0	0.0%
1020	Donegal	0	0.0%
1021	Letterkenny	10	0.2%
1022	Buncrana	10	0.2%
1023	Dundalk	1730	30.9%
1024	Longford	30	0.5%
1025	Galway	20	0.4%
1026	Dublin	220	3.9%
1027	Kildare	120	2.1%
1028	Limerick	10	0.2%
1029	Kilkenny	30	0.5%
1030	Cork	30	0.5%

0 50 100 km

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

Figure C.2 – All RoI to Sector 9522 (Newry)– Car/LGV

Belfast and Northern Ireland Models: Cross Border Movements








Modelled Weekday 12hr Car/LGV Trips (UC1-3)

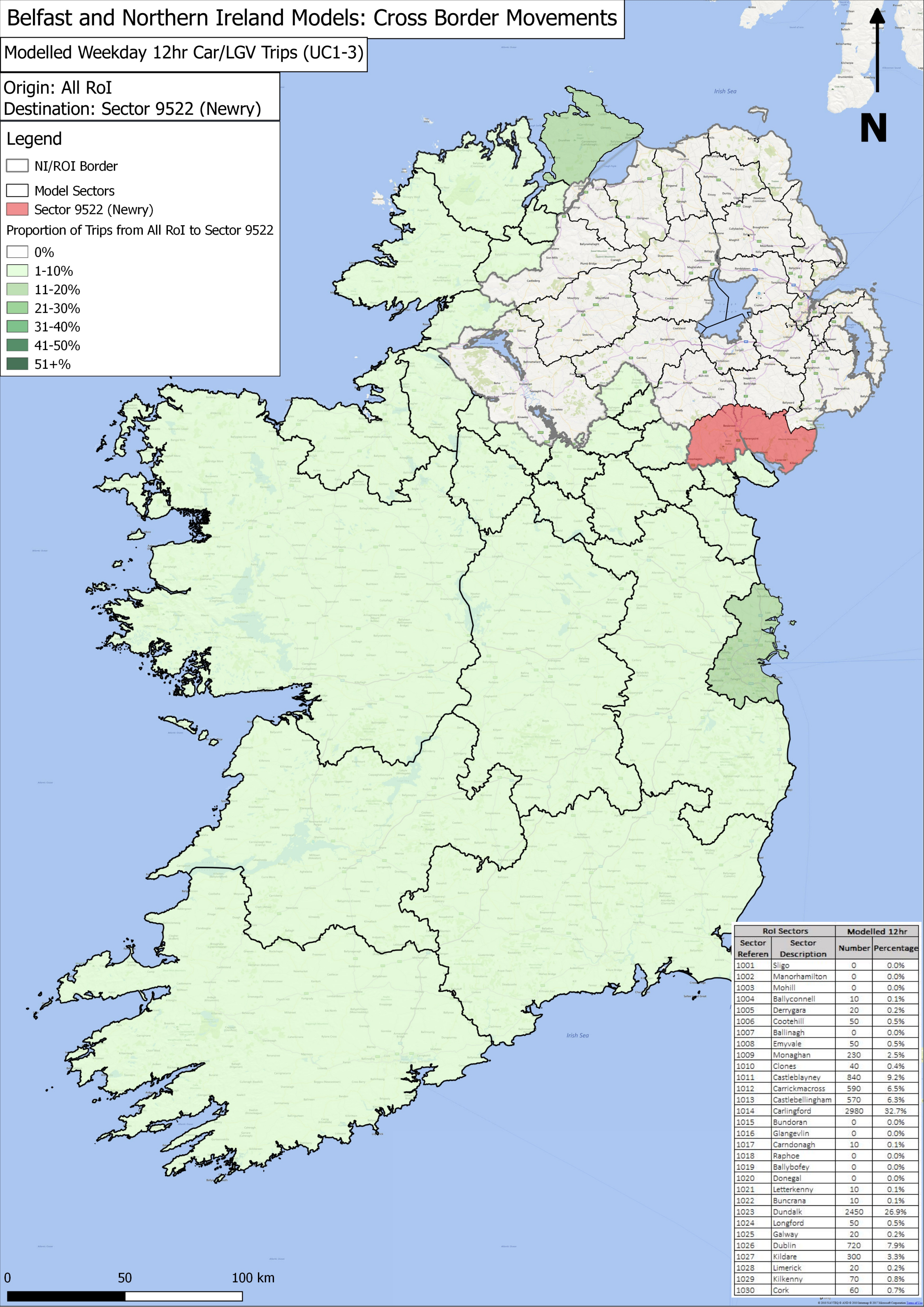
Origin: All RoI
 Destination: Sector 9522 (Newry)

Legend

-  NI/ROI Border
-  Model Sectors
-  Sector 9522 (Newry)

Proportion of Trips from All RoI to Sector 9522

-  0%
-  1-10%
-  11-20%
-  21-30%
-  31-40%
-  41-50%
-  51+%



RoI Sectors		Modelled 12hr	
Sector Referen	Sector Description	Number	Percentage
1001	Sligo	0	0.0%
1002	Manorhamilton	0	0.0%
1003	Mohill	0	0.0%
1004	Ballyconnell	10	0.1%
1005	Derrygara	20	0.2%
1006	Cootehill	50	0.5%
1007	Ballinagh	0	0.0%
1008	Emyvale	50	0.5%
1009	Monaghan	230	2.5%
1010	Clones	40	0.4%
1011	Castleblayney	840	9.2%
1012	Carrickmacross	590	6.5%
1013	Castlebellingham	570	6.3%
1014	Carlingford	2980	32.7%
1015	Bundoran	0	0.0%
1016	Glangevlin	0	0.0%
1017	Carndonagh	10	0.1%
1018	Raphoe	0	0.0%
1019	Ballybofey	0	0.0%
1020	Donegal	0	0.0%
1021	Letterkenny	10	0.1%
1022	Buncrana	10	0.1%
1023	Dundalk	2450	26.9%
1024	Longford	50	0.5%
1025	Galway	20	0.2%
1026	Dublin	720	7.9%
1027	Kildare	300	3.3%
1028	Limerick	20	0.2%
1029	Kilkenny	70	0.8%
1030	Cork	60	0.7%

0 50 100 km

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Figure C.3 – Sector 9522 (Newry) to All RoI – HGV