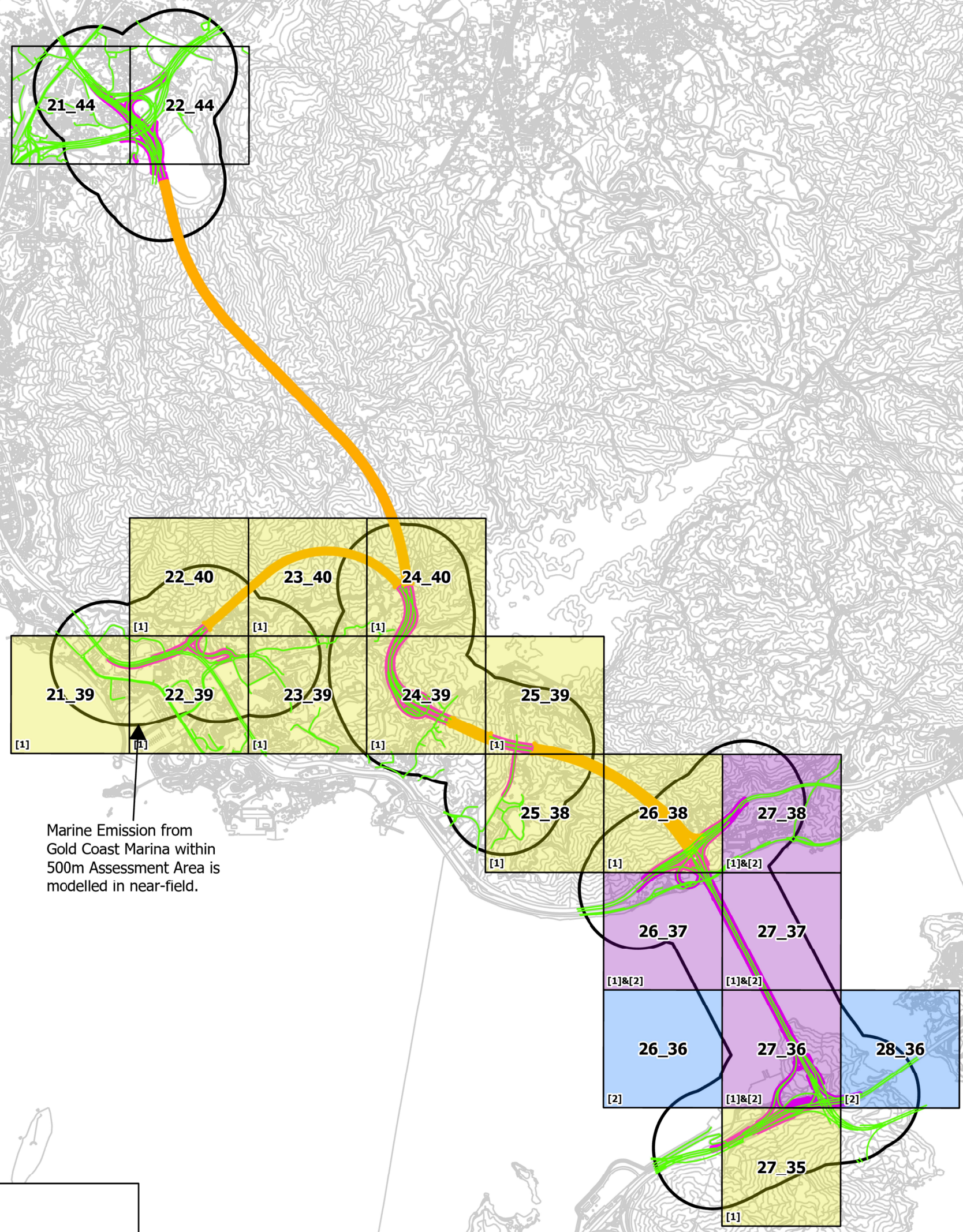


Removal of PATH Annual Emission in Year 2030

Grid	Removal of PATH Emission in Year 2030 (tonnes/year)																											Emissions to be Removed
	NO			NO2			HONO			PMFINE			PMC			PSO4			POC			PNO3			PEC			
	Total	Marine	Vehicular	Total	Marine	Vehicular	Total	Marine	Vehicular	Total	Marine	Vehicular	Total	Marine	Vehicular	Total	Marine	Vehicular	Total	Marine	Vehicular	Total	Marine	Vehicular	Total	Marine	Vehicular	
21_44	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	None
22_44	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	None
22_40	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	Vehicular
23_40	2.41E+00	0.00E+00	2.41E+00	2.67E-01	0.00E+00	2.67E-01	0.00E+00	0.00E+00	0.00E+00	1.84E-02	0.00E+00	1.84E-02	1.46E-01	0.00E+00	1.46E-01	8.82E-03	0.00E+00	8.82E-03	0.00E+00	0.00E+00	0.00E+00	1.54E-03	0.00E+00	1.54E-03	1.48E-01	0.00E+00	1.48E-01	Vehicular
24_40	5.23E+00	0.00E+00	5.23E+00	5.81E-01	0.00E+00	5.81E-01	0.00E+00	0.00E+00	0.00E+00	4.00E-02	0.00E+00	4.00E-02	3.18E-01	0.00E+00	3.18E-01	1.92E-02	0.00E+00	1.92E-02	0.00E+00	0.00E+00	0.00E+00	3.35E-03	0.00E+00	3.35E-03	3.22E-01	0.00E+00	3.22E-01	Vehicular
21_39	6.53E+00	0.00E+00	6.53E+00	7.26E-01	0.00E+00	7.26E-01	0.00E+00	0.00E+00	0.00E+00	4.75E-02	0.00E+00	4.75E-02	3.09E-01	0.00E+00	3.09E-01	2.32E-02	0.00E+00	2.32E-02	0.00E+00	0.00E+00	0.00E+00	3.96E-03	0.00E+00	3.96E-03	3.28E-01	0.00E+00	3.28E-01	Vehicular
22_39	2.30E+01	0.00E+00	2.30E+01	2.56E+00	0.00E+00	2.56E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-01	0.00E+00	1.82E-01	1.98E+00	0.00E+00	1.98E+00	8.47E-02	0.00E+00	8.47E-02	0.00E+00	0.00E+00	0.00E+00	1.55E-02	0.00E+00	1.55E-02	1.90E+00	0.00E+00	1.90E+00	Vehicular
23_39	1.45F+01	0.00F+00	1.45F+01	1.61F+00	0.00F+00	1.61F+00	0.00F+00	0.00F+00	0.00F+00	1.11F-01	0.00F+00	1.11F-01	1.32F+00	0.00F+00	1.32F+00	5.09F-02	0.00F+00	5.09F-02	0.00F+00	0.00F+00	0.00F+00	9.46F-03	0.00F+00	9.46F-03	1.25F+00	0.00F+00	1.25F+00	Vehicular
24_39	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	Vehicular
25_39	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	Vehicular
25_38	2.42E-01	0.00E+00	2.42E-01	2.69E-02	0.00E+00	2.69E-02	0.00E+00	0.00E+00	0.00E+00	1.83E-03	0.00E+00	1.83E-03	1.47E-02	0.00E+00	1.47E-02	8.80E-04	0.00E+00	8.80E-04	0.00E+00	0.00E+00	0.00E+00	1.54E-04	0.00E+00	1.54E-04	1.49E-02	0.00E+00	1.49E-02	Vehicular
26_38	1.91E+01	0.00E+00	1.91E+01	2.12E+00	0.00E+00	2.12E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-01	0.00E+00	1.40E-01	1.14E+00	0.00E+00	1.14E+00	6.71E-02	0.00E+00	6.71E-02	0.00E+00	0.00E+00	0.00E+00	1.17E-02	0.00E+00	1.17E-02	1.15E+00	0.00E+00	1.15E+00	Vehicular
27_38	2.32E+01	0.00E+00	2.32E+01	2.58E+00	0.00E+00	2.58E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-01	0.00E+00	1.72E-01	1.59E+00	0.00E+00	1.59E+00	8.14E-02	0.00E+00	8.14E-02	0.00E+00	0.00E+00	0.00E+00	1.45E-02	0.00E+00	1.45E-02	1.57E+00	0.00E+00	1.57E+00	Vehicular and Marine
26_37	6.56E+01	5.20E+01	1.37E+01	6.83E+00	5.31E+00	1.52E+00	4.62E-01	4.62E-01	0.00E+00	1.97E-01	9.84E-02	9.87E-02	6.66E-01	1.40E-01	5.26E-01	5.47E-02	5.81E-03	4.89E-02	3.52E-01	3.52E-01	0.00E+00	1.04E-02	2.20E-03	8.19E-03	2.13E+00	1.55E+00	5.86E-01	Vehicular and Marine
27_37	5.30E+01	5.30E+01	0.00E+00	5.42E+00	5.42E+00	0.00E+00	4.71E-01	4.71E-01	0.00E+00	1.00E-01	1.00E-01	0.00E+00	1.43E-01	1.43E-01	0.00E+00	5.94E-03	5.94E-03	0.00E+00	3.59E-01	3.59E-01	0.00E+00	2.25E-03	2.25E-03	0.00E+00	1.58E+00	1.58E+00	0.00E+00	Vehicular and Marine
26_36	4.90E+01	4.90E+01	0.00E+00	5.01E+00	5.01E+00	0.00E+00	4.36E-01	4.36E-01	0.00E+00	1.01E-01	1.01E-01	0.00E+00	1.40E-01	1.40E-01	0.00E+00	5.96E-03	5.96E-03	0.00E+00	3.61E-01	3.61E-01	0.00E+00	2.26E-03	2.26E-03	0.00E+00	1.58E+00	1.58E+00	0.00E+00	Marine
27_36	5.67E+00	1.19E+00	4.48E+00	6.19E-01	1.21E-01	4.98E-01	1.05E-02	1.05E-02	0.00E+00	3.09E-02	2.01E-03	2.89E-02	3.40E-01	2.74E-03	3.37E-01	1.34E-02	1.18E-04	1.33E-02	7.17E-03	7.17E-03	0.00E+00	2.51E-03	4.49E-05	2.46E-03	3.52E-01	3.15E-02	3.20E-01	Vehicular and Marine
28_36	2.15E+01	2.15E+01	0.00E+00	2.19E+00	2.19E+00	0.00E+00	1.91E-01	1.91E-01	0.00E+00	3.86E-02	3.86E-02	0.00E+00	4.09E-02	4.09E-02	0.00E+00	2.28E-03	2.28E-03	0.00E+00	1.38E-01	1.38E-01	0.00E+00	8.65E-04	8.65E-04	0.00E+00	6.06E-01	6.06E-01	0.00E+00	Marine
27_35	3.42E+00	0.00E+00	3.42E+00	3.80E-01	0.00E+00	3.80E-01	0.00E+00	0.00E+00	0.00E+00	2.21E-02	0.00E+00	2.21E-02	2.57E-01	0.00E+00	2.57E-01	1.02E-02	0.00E+00	1.02E-02	0.00E+00	0.00E+00	0.00E+00	1.88E-03	0.00E+00	1.88E-03	2.44E-01	0.00E+00	2.44E-01	Vehicular



Marine Emission from Gold Coast Marina within 500m Assessment Area is modelled in near-field.

Legend

- Near-field Modelled Road Extent
- Emission Removed in PATH Year 2030
- Removal of All Vehicular and Marine Emission (Full Grid)
- Removal of All Vehicular Emission (Full Grid)
- Removal of All Marine Emission (Full Grid)
- Project Elements**
- Project Alignment (Tunnel Section)
- Project Alignment (At-grade and Viaducts)
- 500m assessment area

Remarks:

- [1] All road emissions within the grid is modelled in near-field.
- [2] All marine emission within the grid is modelled in near-field.

