

## APPENDIX A

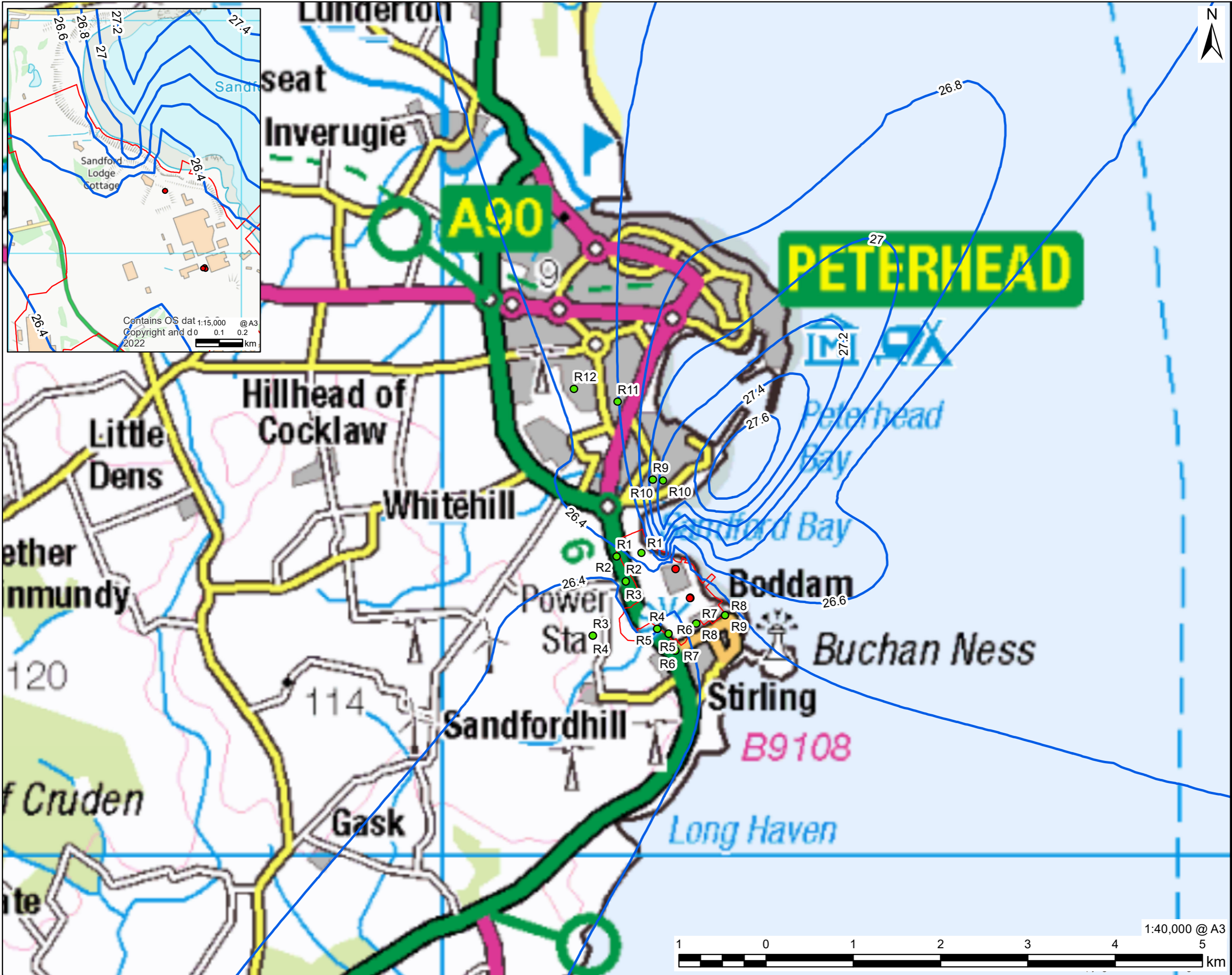
Figures 1 – 4 – Ecological Impacts

Figures 5 – 8 – Human Health PECs

Figure 9 – Wind Roses

Figures 10 to 16 - N-amine Impacts for Direct nitrosamine release and In-Direct N-amines

Figure 17 - Stack height graphs



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# AECOM

**PROJECT**  
 Peterhead Low Carbon  
 CCGT  
 Power Station Project

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 www.aecom.com

- LEGEND**
- Human Health Receptor
  - Sources
  - Human Health
  - Annual Mean NO<sub>2</sub> Process Contribution (µg/m<sup>3</sup>)
  - Site Boundary

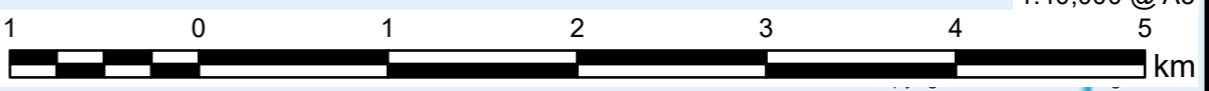
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**ISSUE PURPOSE**  
 ENVIRONMENTAL  
 IMPACT ASSESSMENT

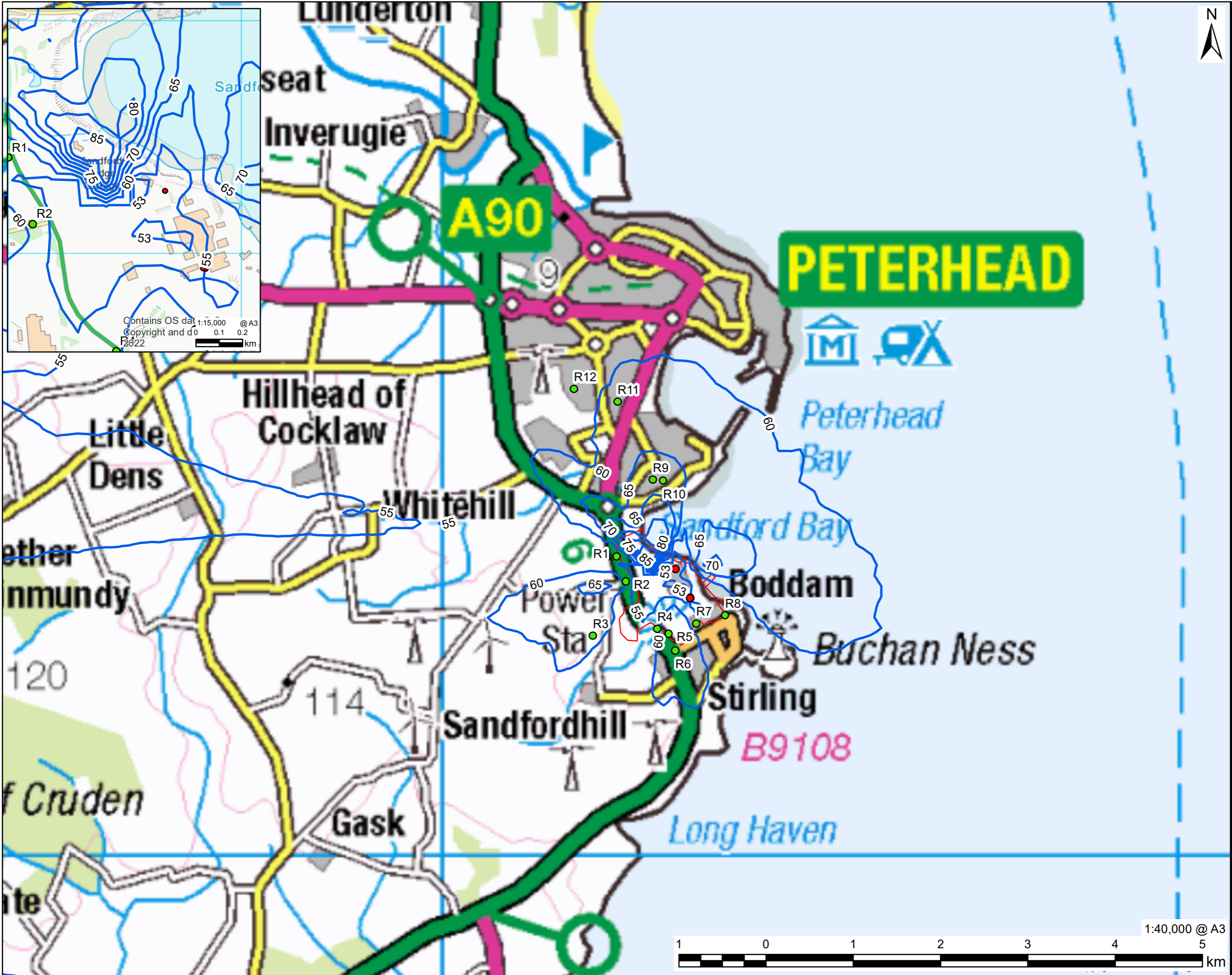
**PROJECT NUMBER**  
 60650403

**SHEET TITLE**  
 Annual Mean NO<sub>2</sub> Predicted  
 Environmental Concentration for the  
 Unabated Single Stack Option  
 Meteorological year of 2020

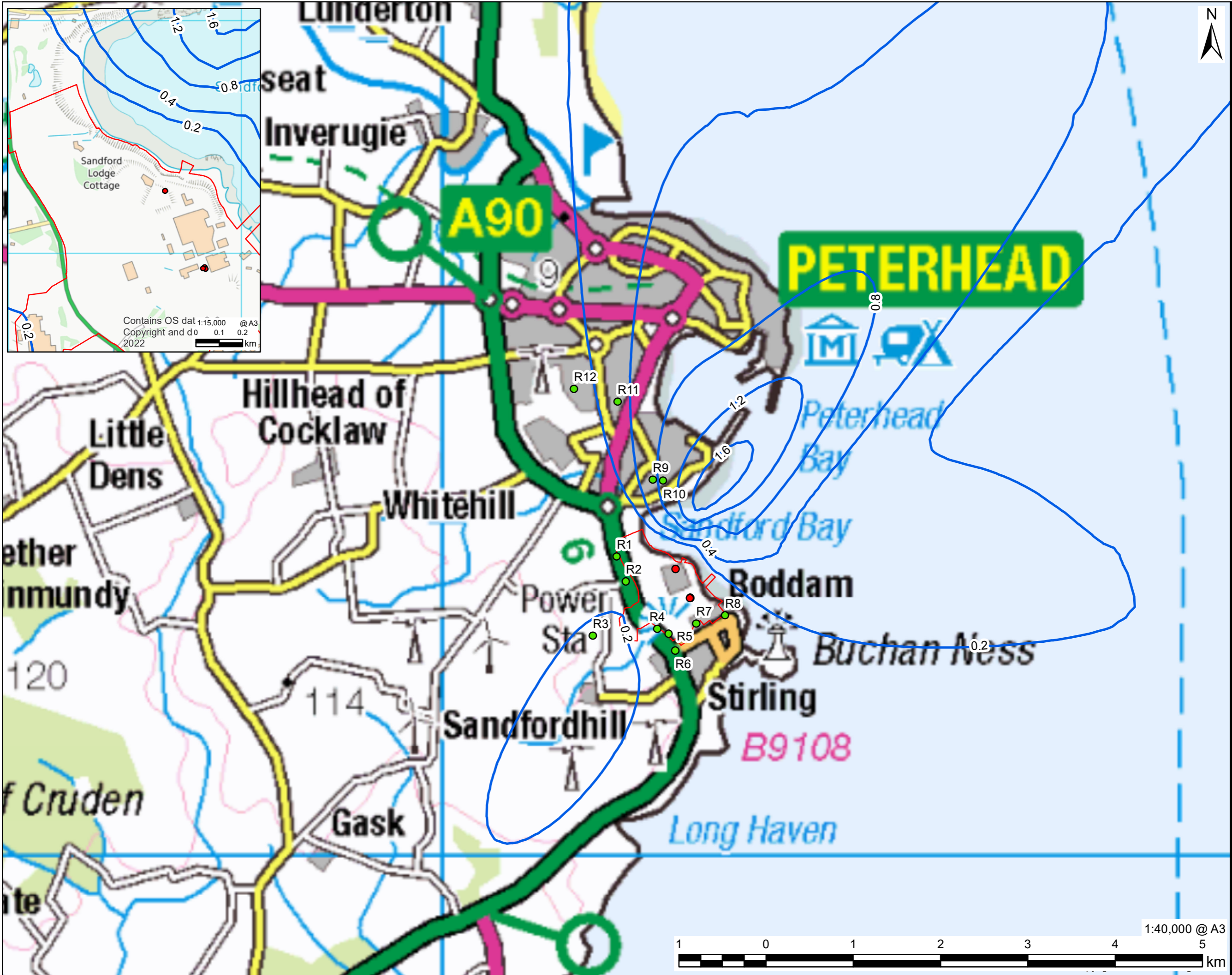
**SHEET NUMBER**  
 Figure 1



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**LEGEND**

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**ISSUE PURPOSE**

ENVIRONMENTAL IMPACT ASSESSMENT

**PROJECT NUMBER**

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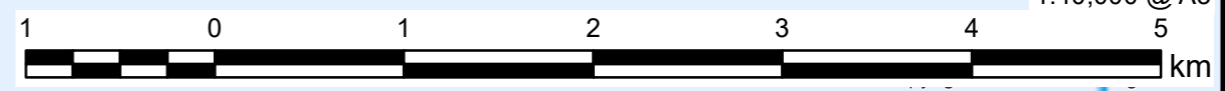
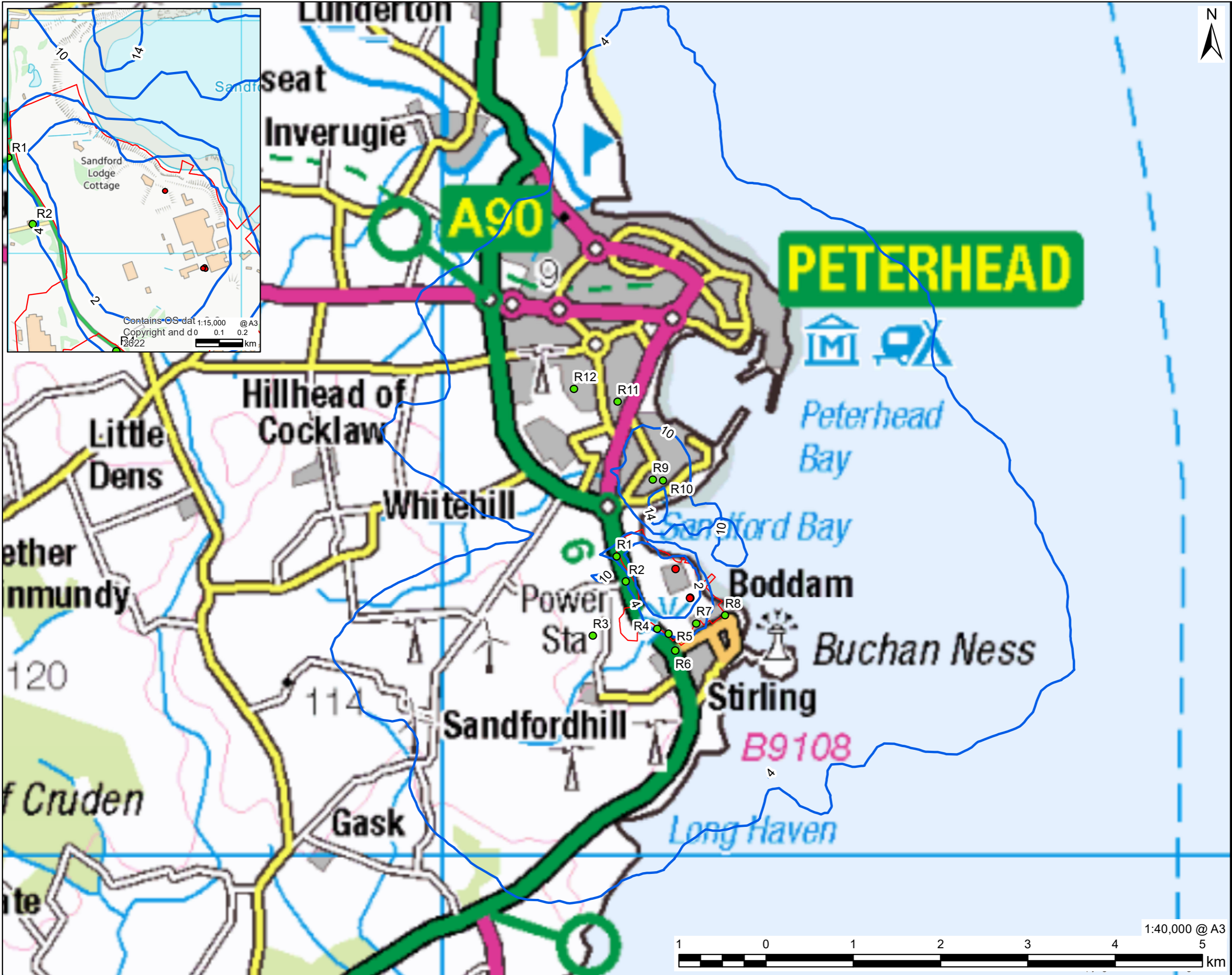
**SHEET TITLE**

Annual Mean NO<sub>2</sub> Process Contribution for the Abated Single Stack Option Meteorological year of 2020

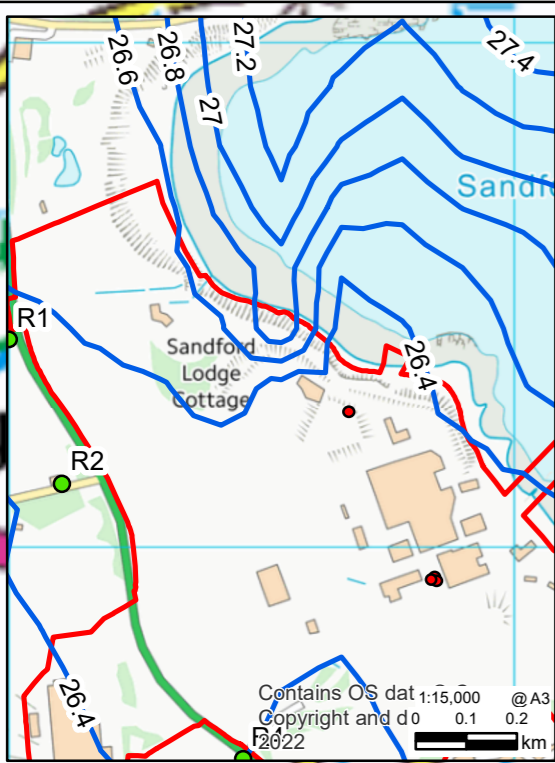
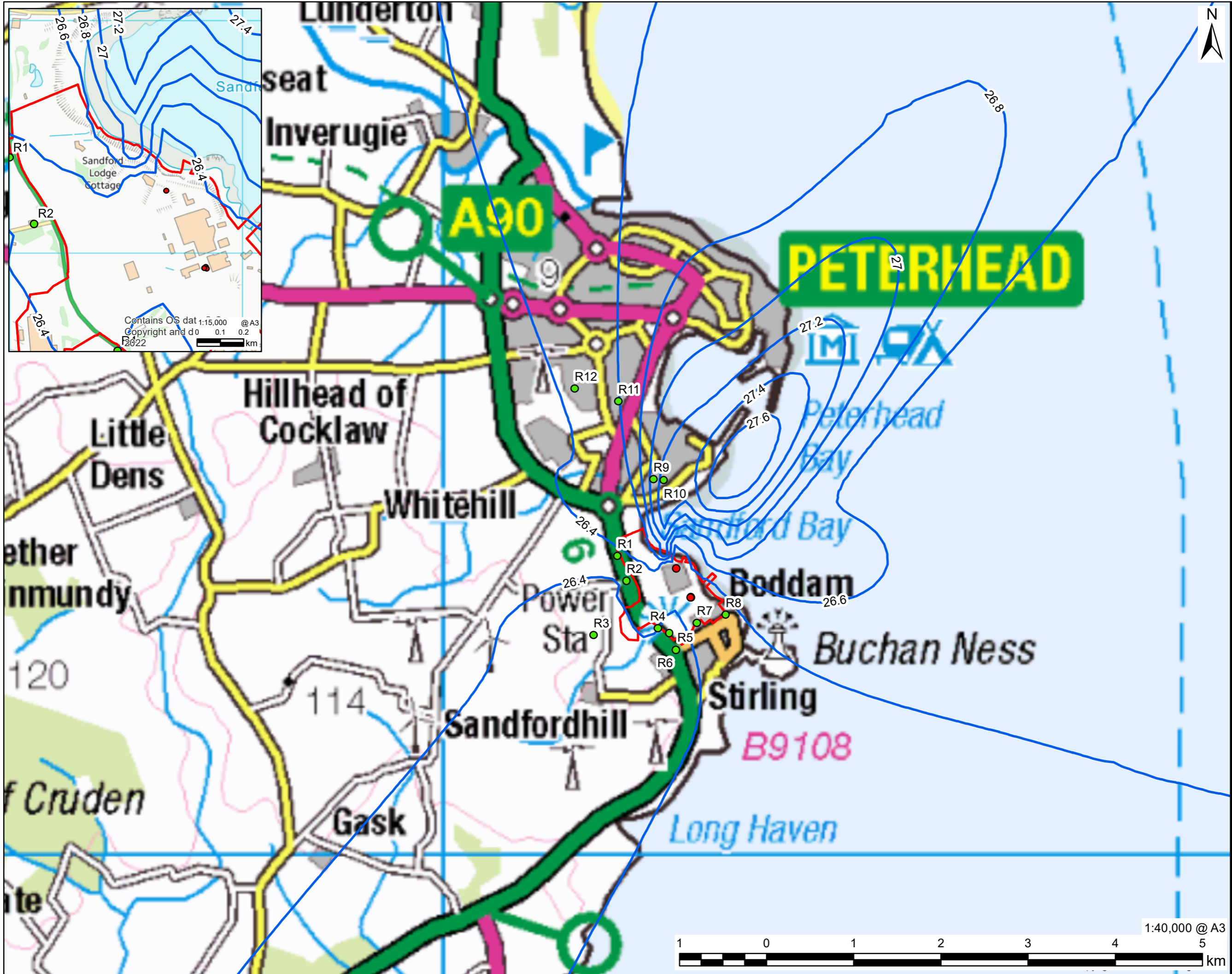
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Figure 3

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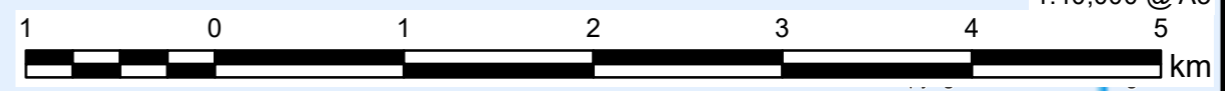
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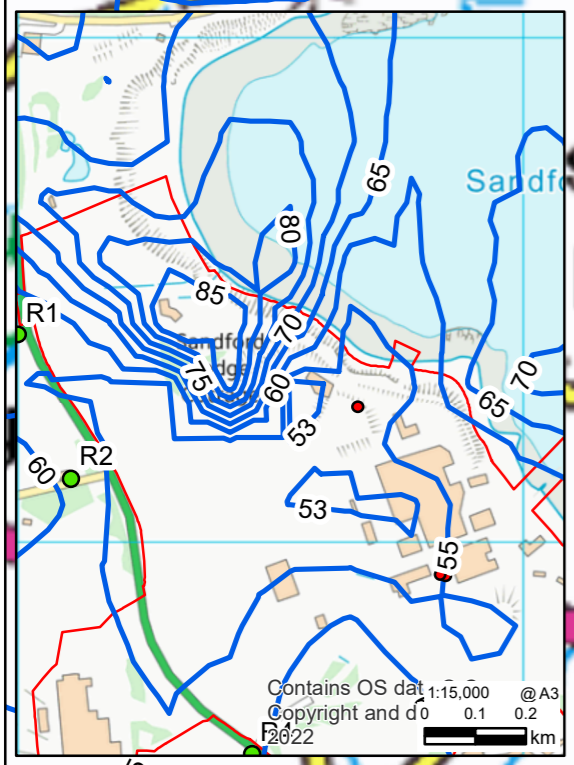
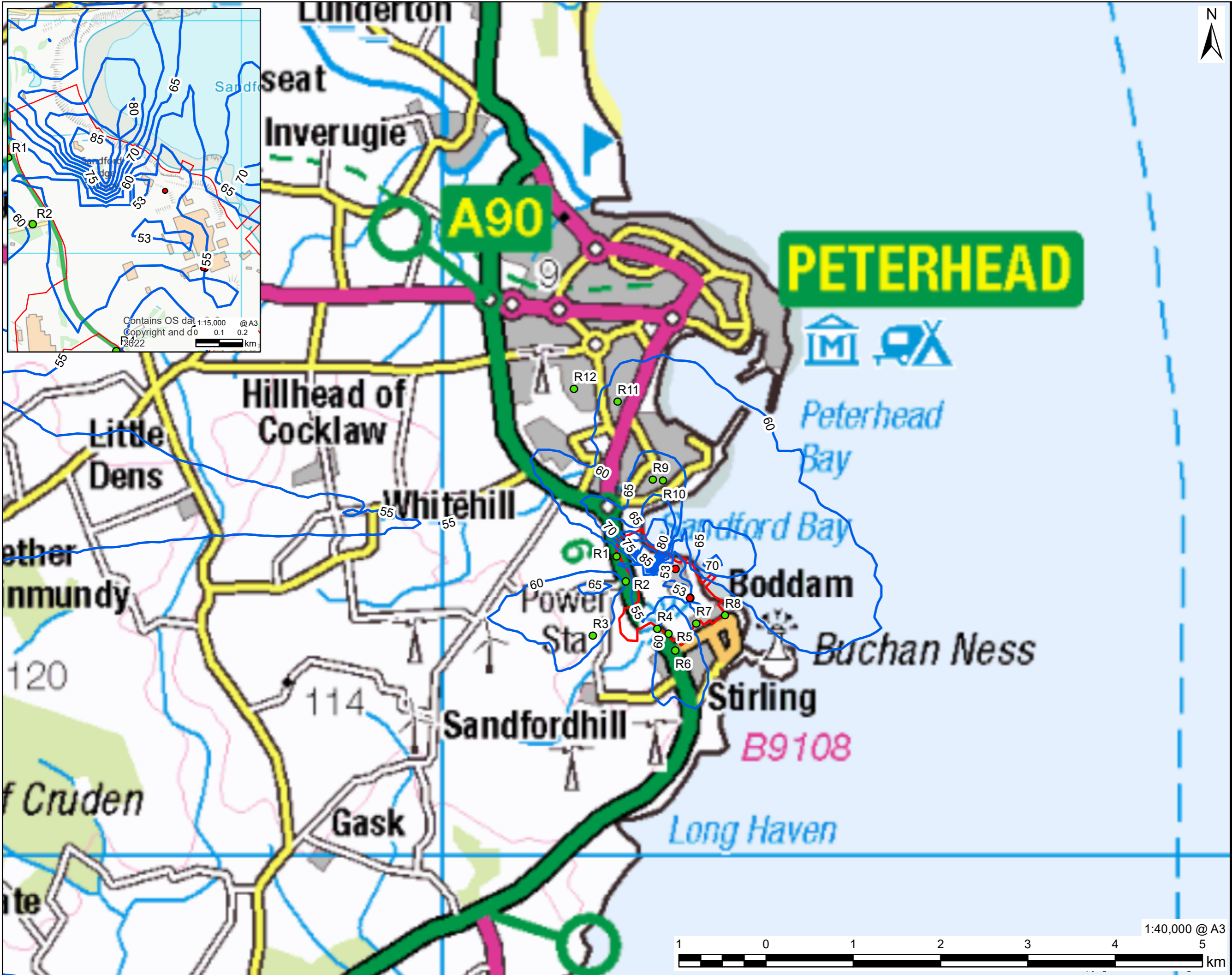
**PROJECT NUMBER**  
 60650403

**SHEET TITLE**  
 Annual Mean NO<sub>2</sub> Predicted Environmental Concentration for the Unabated Single Stack Option Meteorological year of 2020

**SHEET NUMBER**  
 Figure 5



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  - Sources
  - Maximum 1h NO<sub>2</sub> Process Contribution (µg/m<sup>3</sup>)
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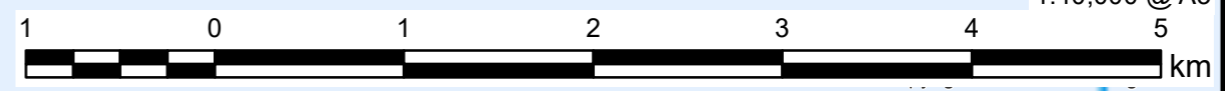
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**ISSUE PURPOSE**  
 ENVIRONMENTAL IMPACT ASSESSMENT

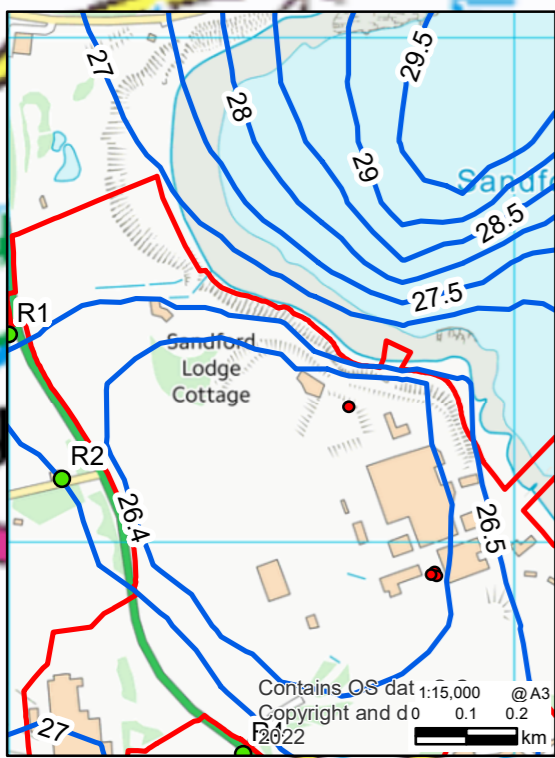
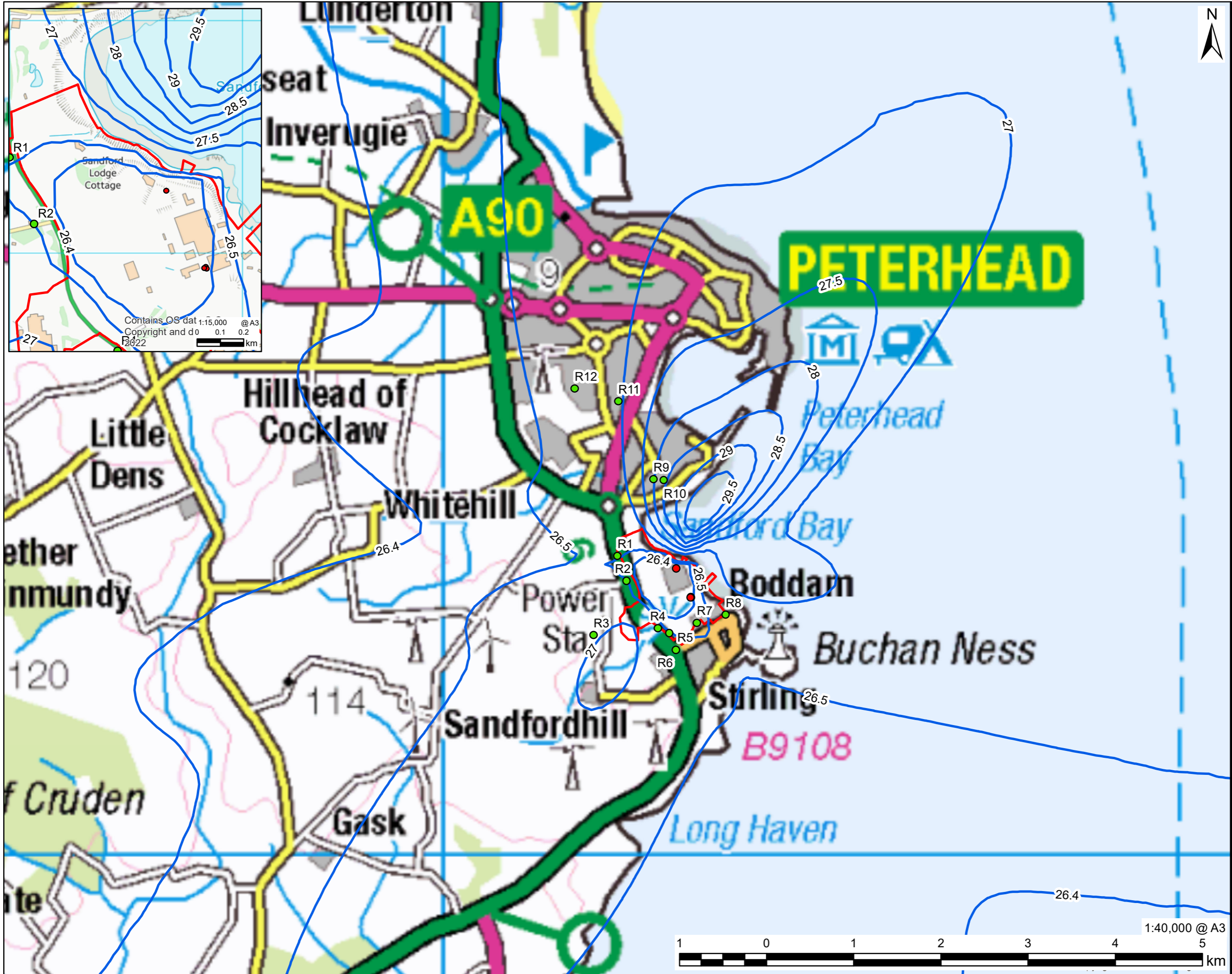
**PROJECT NUMBER**  
 60650403

**SHEET TITLE**  
 99.79<sup>th</sup> Percentile 1h NO<sub>2</sub> Predicted Environmental Concentration for the Unabated Single Stack Option Meteorological year of 2020

**SHEET NUMBER**  
 Figure 6

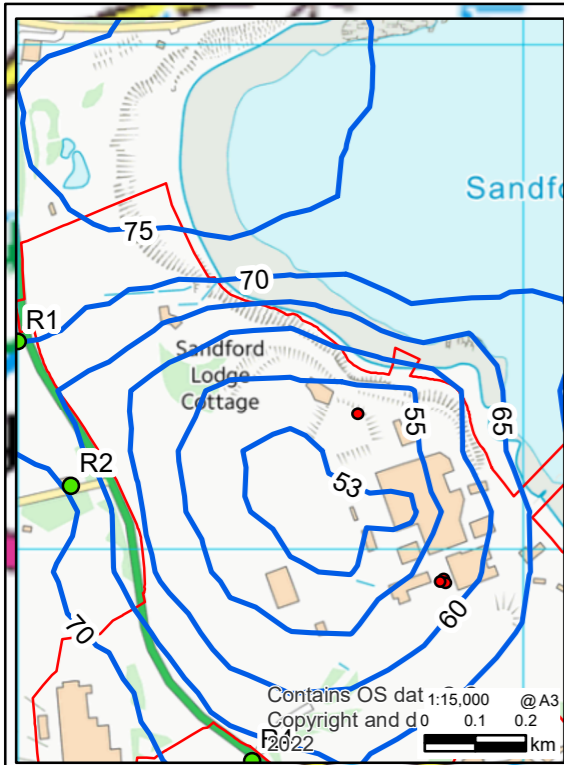
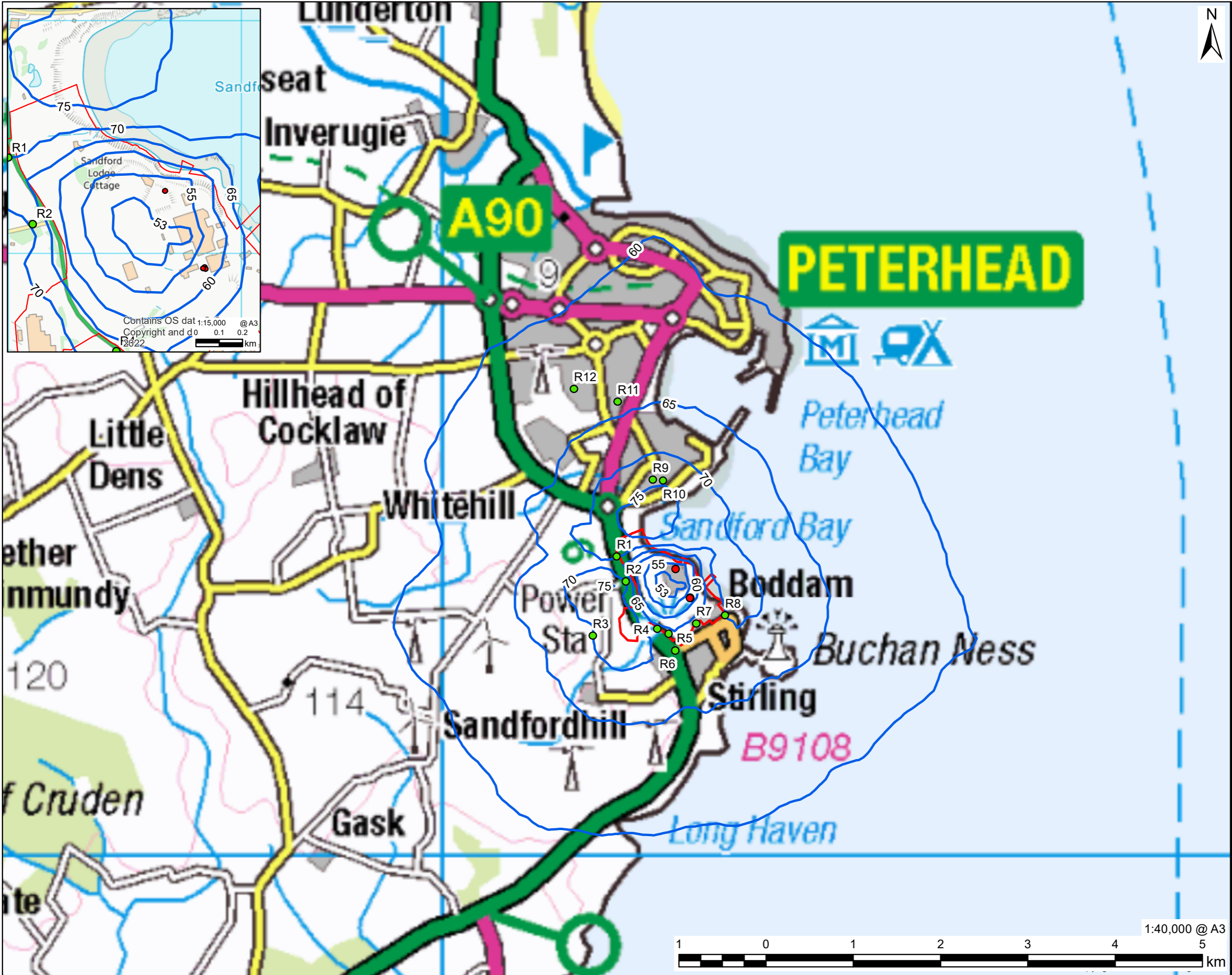


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**LEGEND**

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**ISSUE PURPOSE**  
ENVIRONMENTAL IMPACT ASSESSMENT

**PROJECT NUMBER**  
60650403

**SHEET TITLE**  
99.79<sup>th</sup> Percentile 1h NO<sub>2</sub> Predicted Environmental Concentration for the Abated Twin Stacks Option Meteorological year of 2020

**SHEET NUMBER**  
Figure 8

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**Figure 9: Wind Roses for Peterhead Harbour Meteorological Station**

