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## Grangemouth Renewable Energy Plant

Figure 9.1

Site Boundary, Stack Location,  
Modelled Domain and Residential  
Receptor Locations

### Legend

- Application Boundary
- Area of Search for Cooling Water Infrastructure
- + Approximate Stack Location
- Modelled Domain
- Residential Receptor Areas

0 500 1000  
Metres

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## Grangemouth Renewable Energy Plant

Figure 9.2

Annual Mean Nitrogen Dioxide  
Process Contribution (2008)

### Legend

- Application Boundary
- Area of Search for Cooling Water Infrastructure

- <0.7  $\mu\text{g}/\text{m}^3$
- 0.7 - 1.5  $\mu\text{g}/\text{m}^3$
- 1.5 - 2.1  $\mu\text{g}/\text{m}^3$
- 2.1 - 2.6  $\mu\text{g}/\text{m}^3$
- 2.6 - 3.0  $\mu\text{g}/\text{m}^3$
- 3.0 - 3.4  $\mu\text{g}/\text{m}^3$
- 3.4 - 3.6  $\mu\text{g}/\text{m}^3$

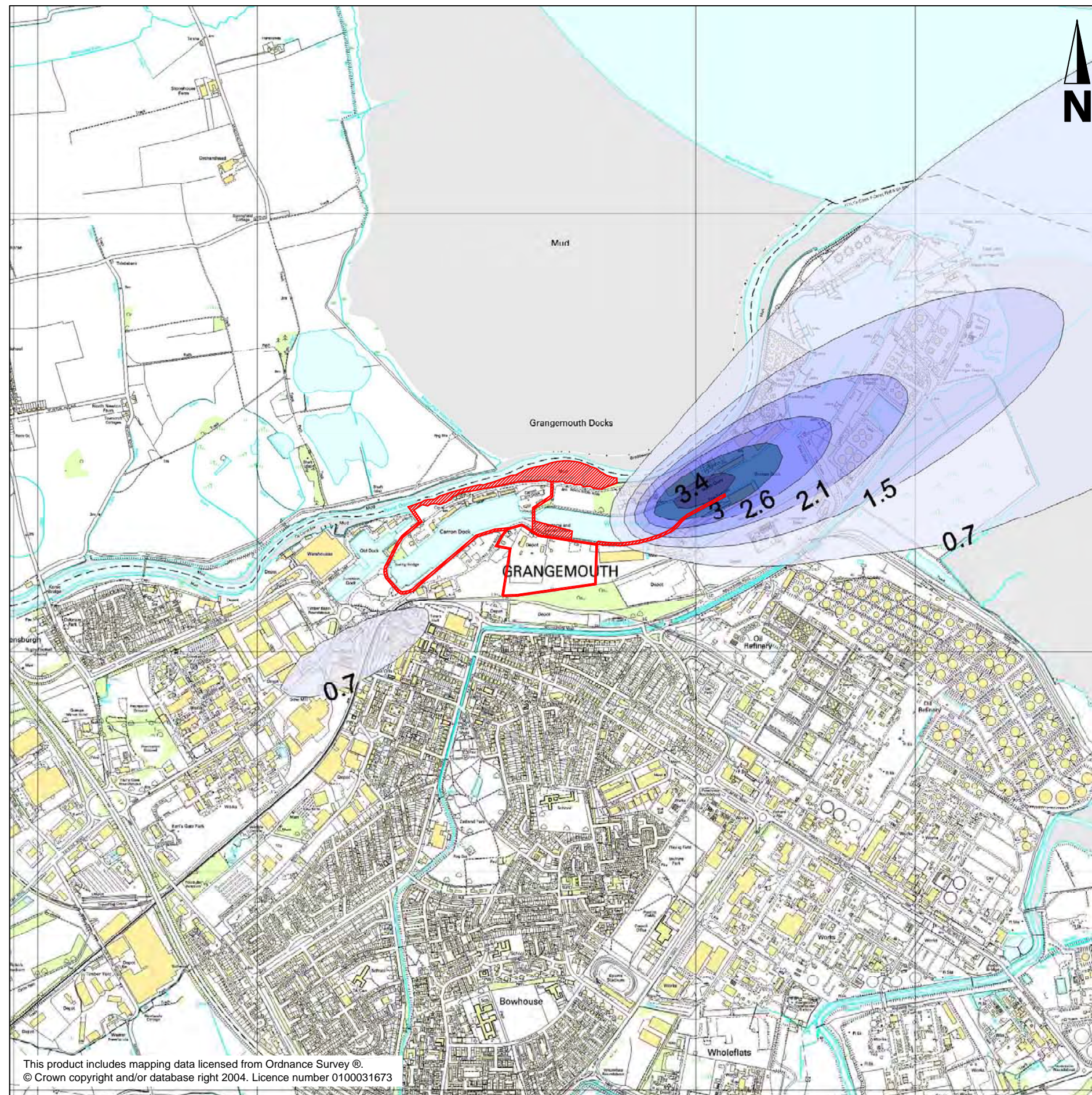
EQS - 40  $\mu\text{g}/\text{m}^3$

The process contributions when added to the baseline level of nitrogen dioxide do not exceed the relevant guideline.

0 500 1000  
Metres

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## Grangemouth Renewable Energy Plant

Figure 9.3

Annual Mean Cadmium Process Contribution (2008)

### Legend

- Application Boundary
- Area of Search for Cooling Water Infrastructure

- <0.07 ng/m<sup>3</sup>
- 0.07 - 0.13 ng/m<sup>3</sup>
- 0.13 - 0.18 ng/m<sup>3</sup>
- 0.18 - 0.22 ng/m<sup>3</sup>
- 0.22 - 0.27 ng/m<sup>3</sup>
- 0.27 - 0.31 ng/m<sup>3</sup>
- 0.31 - 0.34 ng/m<sup>3</sup>

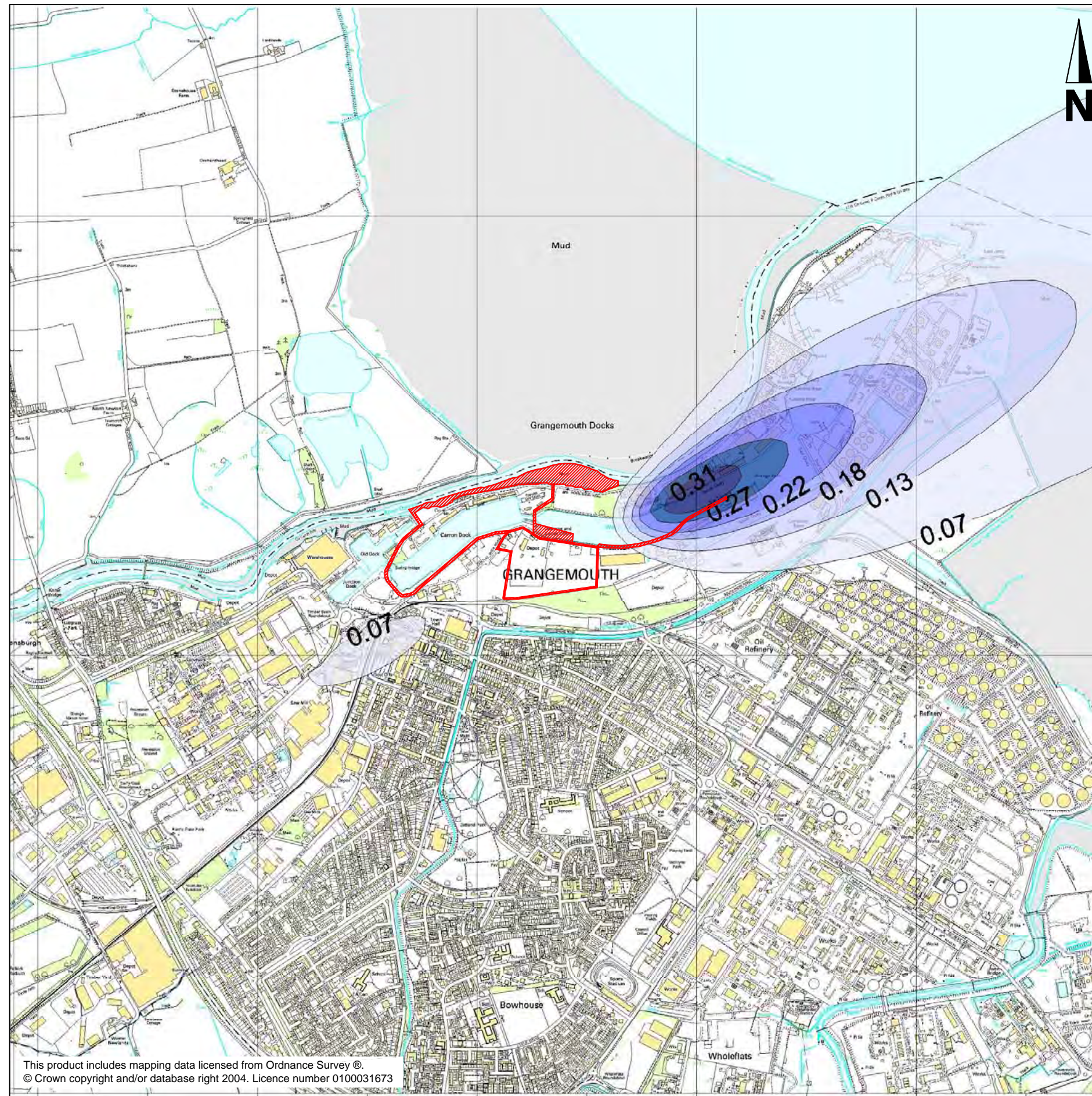
EQS - 5 ng/m<sup>3</sup>

The process contributions when added to the baseline level of cadmium do not exceed the relevant guideline.

0 500 1000  
Metres

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## Grangemouth Renewable Energy Plant

Figure 9.4

Annual Mean Arsenic and Nickel Process Contribution (2008)

### Legend

- Application Boundary
- Area of Search for Cooling Water Infrastructure

- <0.15 ng/m<sup>3</sup>
- 0.15 - 0.30 ng/m<sup>3</sup>
- 0.30 - 0.40 ng/m<sup>3</sup>
- 0.40 - 0.50 ng/m<sup>3</sup>
- 0.50 - 0.60 ng/m<sup>3</sup>
- 0.60 - 0.70 ng/m<sup>3</sup>
- 0.70 - 0.75 ng/m<sup>3</sup>

EQS Arsenic - 3 ng/m<sup>3</sup>

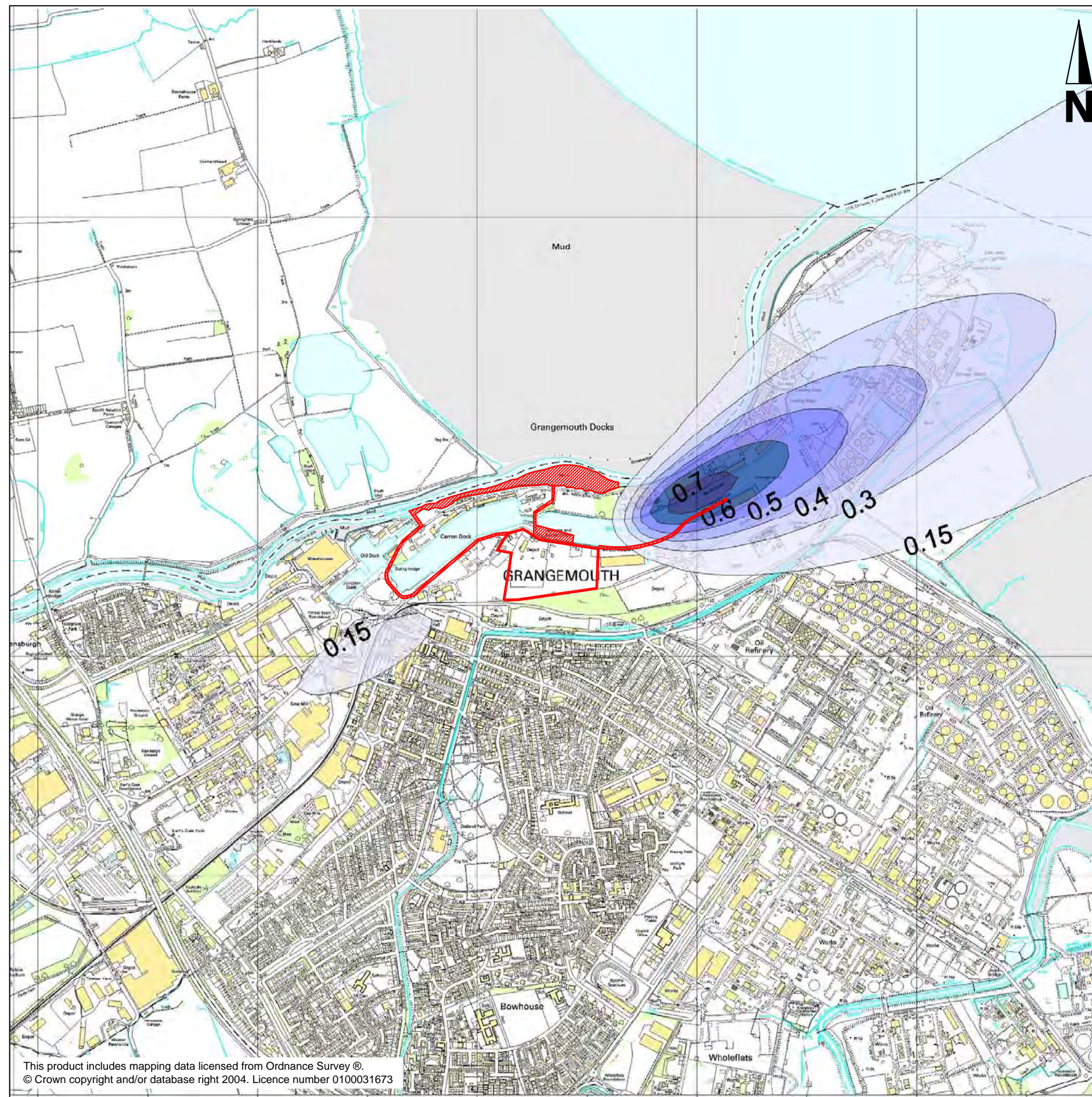
EQS Nickel - 20 ng/m<sup>3</sup>

The process contributions when added to the baseline level of arsenic and nickel do not exceed the relevant guideline.

0 500 1000  
Metres

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