

Grangemouth Renewable Energy Plant

Figure 9.5

Annual Mean Chromium (VI)
Process Contribution (2008)

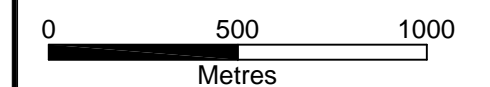
Legend

- Application Boundary
- Area of Search for Cooling Water Infrastructure

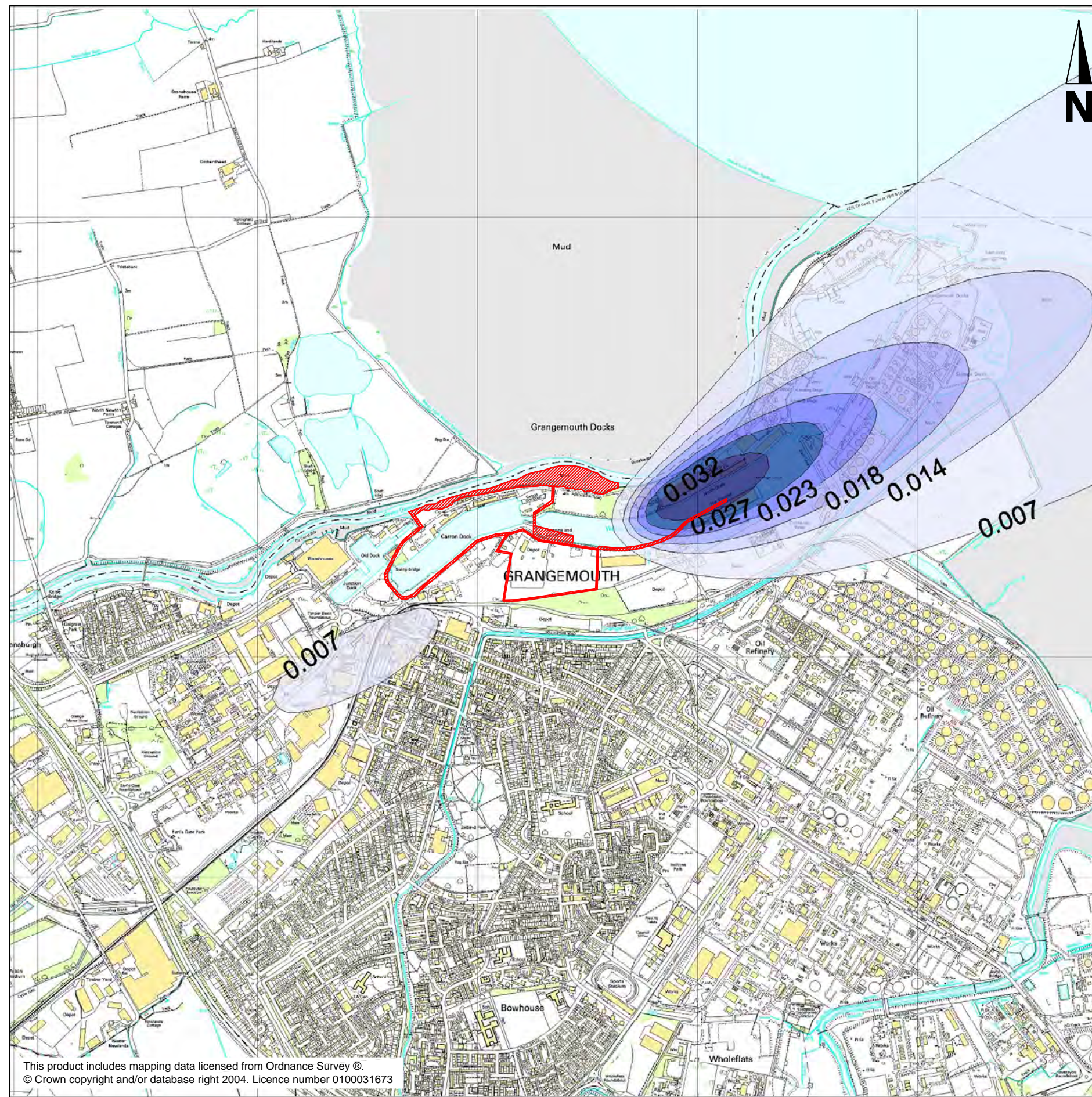
- <0.007 ng/m³
- 0.007 - 0.014 ng/m³
- 0.014 - 0.018 ng/m³
- 0.018 - 0.023 ng/m³
- 0.023 - 0.027 ng/m³
- 0.027 - 0.032 ng/m³
- 0.032 - 0.037 ng/m³

EQS - 0.2 ng/m³

The process contributions when added to the baseline level of chromium (VI) do not exceed the relevant guideline.



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Grangemouth Renewable Energy Plant

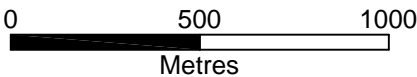
Figure 9.6

Annual Mean Benzo(a)pyrene Process Contribution (2008)

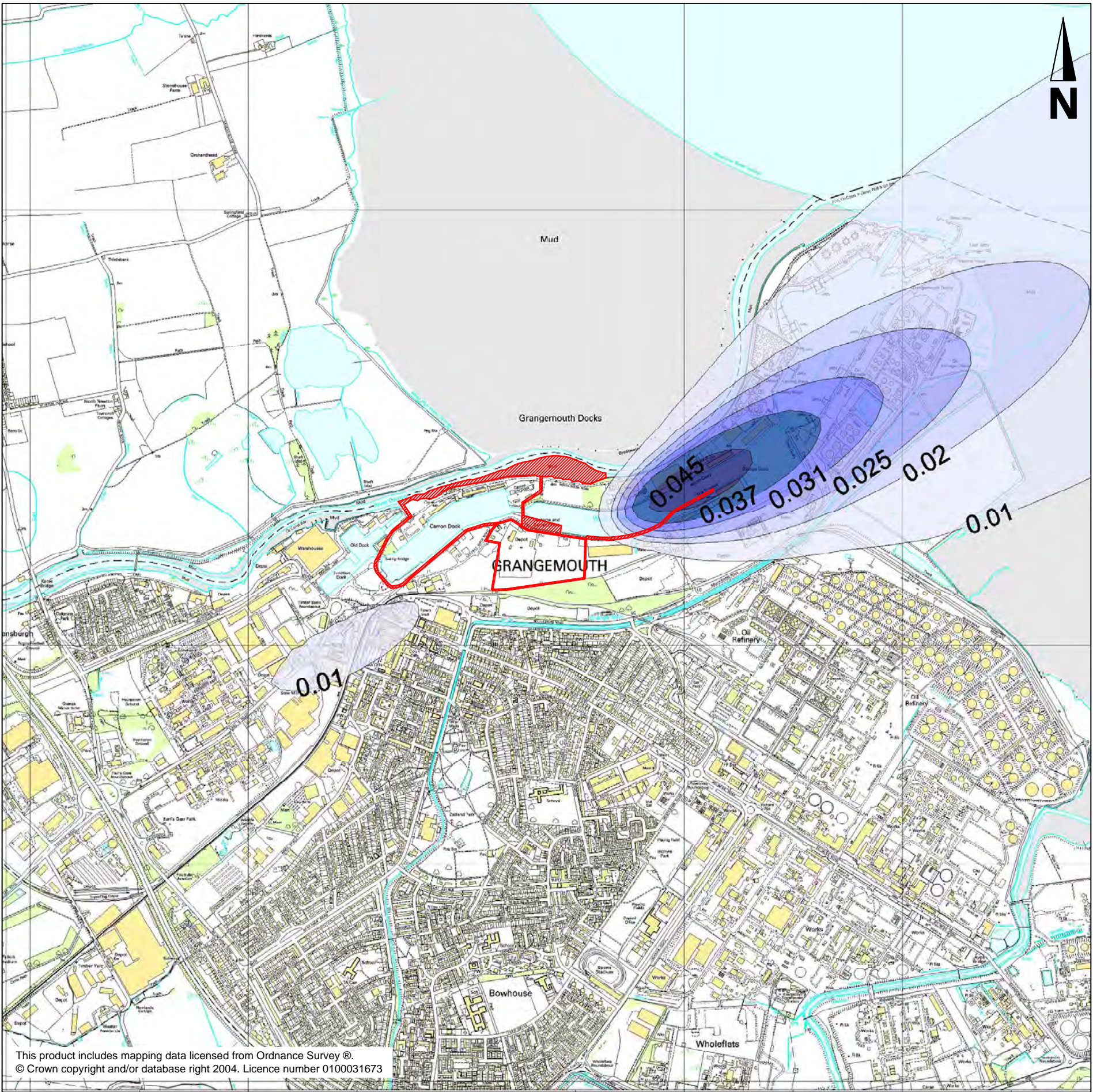
Legend

- Application Boundary
- Area of Search for Cooling Water Infrastructure
- <0.01 ng/m³
- 0.01 - 0.02 ng/m³
- 0.02 - 0.025 ng/m³
- 0.025 - 0.031 ng/m³
- 0.031 - 0.037 ng/m³
- 0.037 - 0.045 ng/m³
- 0.045 - 0.052 ng/m³
- EQS - 1 ng/m³

The process contributions when added to the baseline level of benzo(a)pyrene do not exceed the relevant guideline.



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Grangemouth Renewable Energy Plant

Figure 9.7

99.9th Percentile of 15 Minute Sulphur Dioxide (Method 2) Process Contribution (2007)

Legend

- Application Boundary
- Area of Search for Cooling Water Infrastructure

- <9.5 $\mu\text{g}/\text{m}^3$
- 9.5 - 11.5 $\mu\text{g}/\text{m}^3$
- 11.5 - 14.0 $\mu\text{g}/\text{m}^3$
- 14.0 - 17.0 $\mu\text{g}/\text{m}^3$
- 17.0 - 20.0 $\mu\text{g}/\text{m}^3$
- 20.0 - 23.0 $\mu\text{g}/\text{m}^3$
- 23.0 - 24.4 $\mu\text{g}/\text{m}^3$

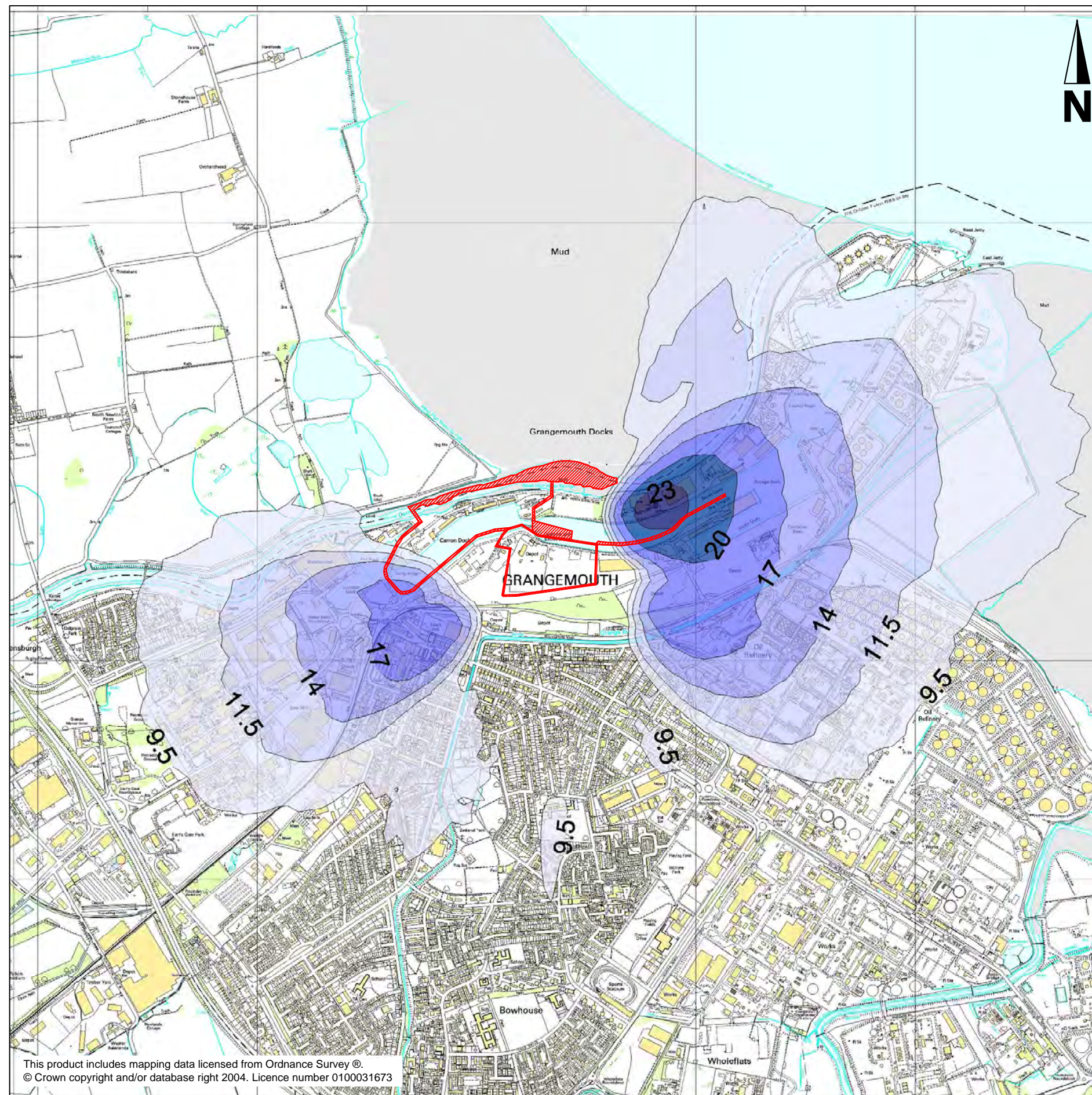
EQS - 266 $\mu\text{g}/\text{m}^3$

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

0 500 1000
Metres

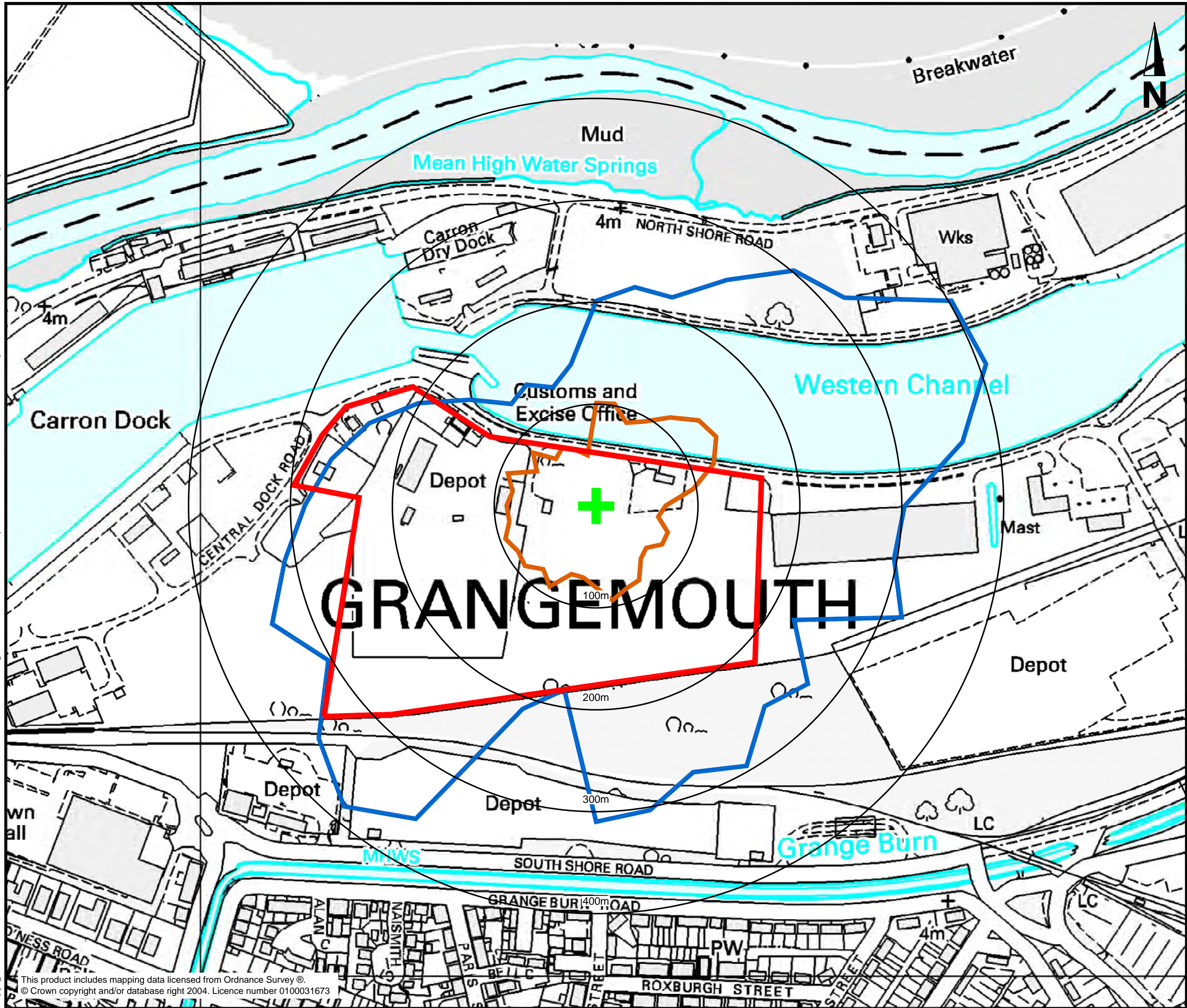
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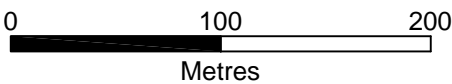
Forth Energy

Grangemouth Renewable Energy Plant

Figure 9.8
Visible Extent of Plume
During Daylight Hours

Legend

- Application Boundary
- Average / Maximum Plume Length
- Average Visible Plume
- Maximum Visible Plume
- Approximate Stack Location



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