



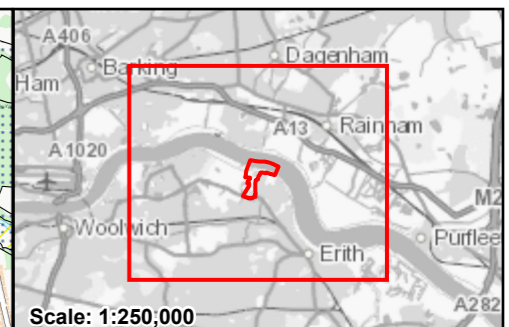
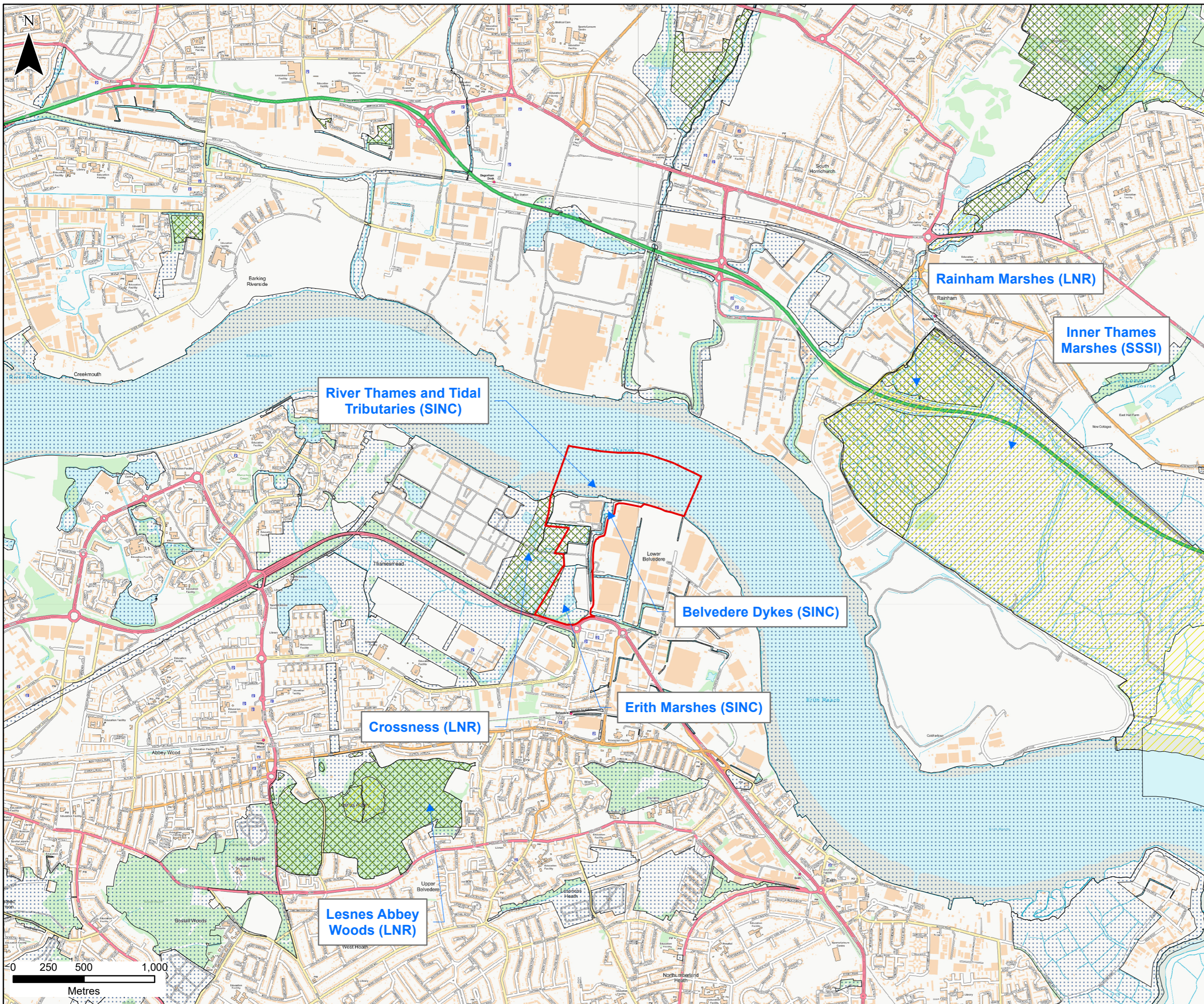
**CONSULTATION
REPORT: 5.1
APPENDICES VOL. 2.2
PEIR PART 2**

DECARBONISATION

Cory Decarbonisation Project

PINS Reference: EN010128

March 2024



Scale: 1:250,000

- Legend**
- Site Boundary
 - Site of Special Scientific Interest (SSSI)
 - Local Nature Reserve (LNR)
 - Site of Importance for Nature Conservation (SINC)

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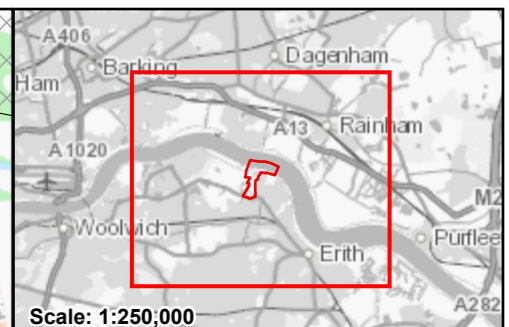
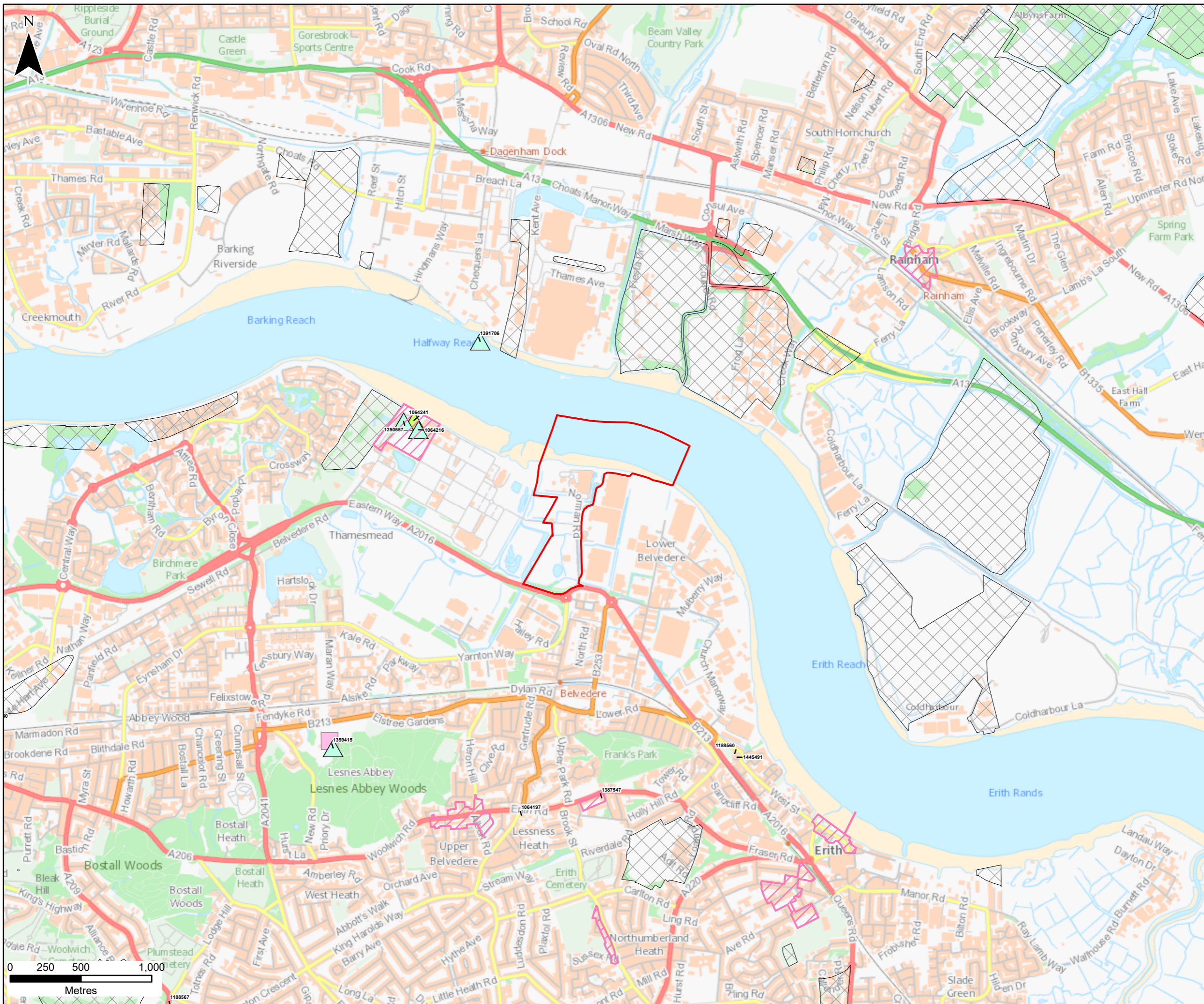
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FIGURE 2-3:
ENVIRONMENTAL CONSTRAINTS PLAN-
STATUTORY AND NON-STATUTORY ECOLOGICAL
DESIGNATED SITES

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Scale: 1:250,000

- Legend**
- Site Boundary
 - Historic Landfill Site
 - Conservation Area
 - Scheduled Monument
 - ▲ Grade I Listed Building
 - ▲ Grade II Listed Building

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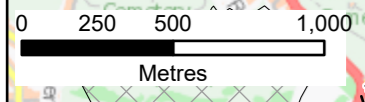
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**FIGURE 2-4:
ENVIRONMENTAL CONSTRAINTS PLAN-
HERITAGE FEATURES**

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Scale: 1:250,000

Legend

- Site Boundary
- Carbon Capture Facility Location Options**
- Option A
- Option B
- Option C
- Option D
- Option E
- Option F
- Option G
- Option H
- Option I

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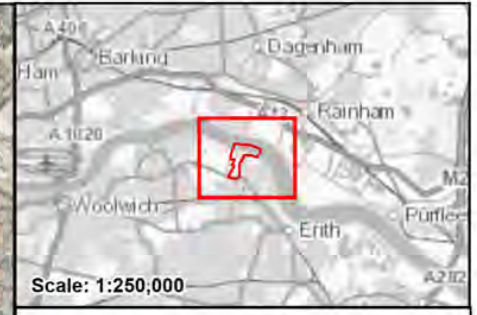
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FIGURE 3-1:
ALTERNATIVE DEVELOPMENT AREA OPTIONS
FOR THE CARBON CAPTURE FACILITY

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Scale: 1:250,000

- Key**
- Site Boundary
 - Jetty Location Options

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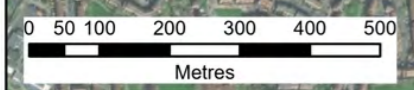
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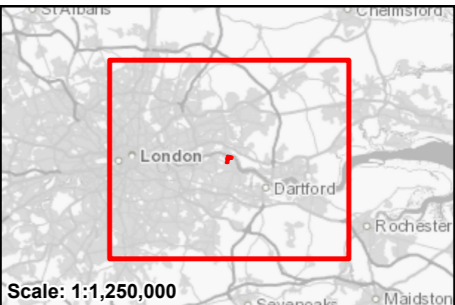
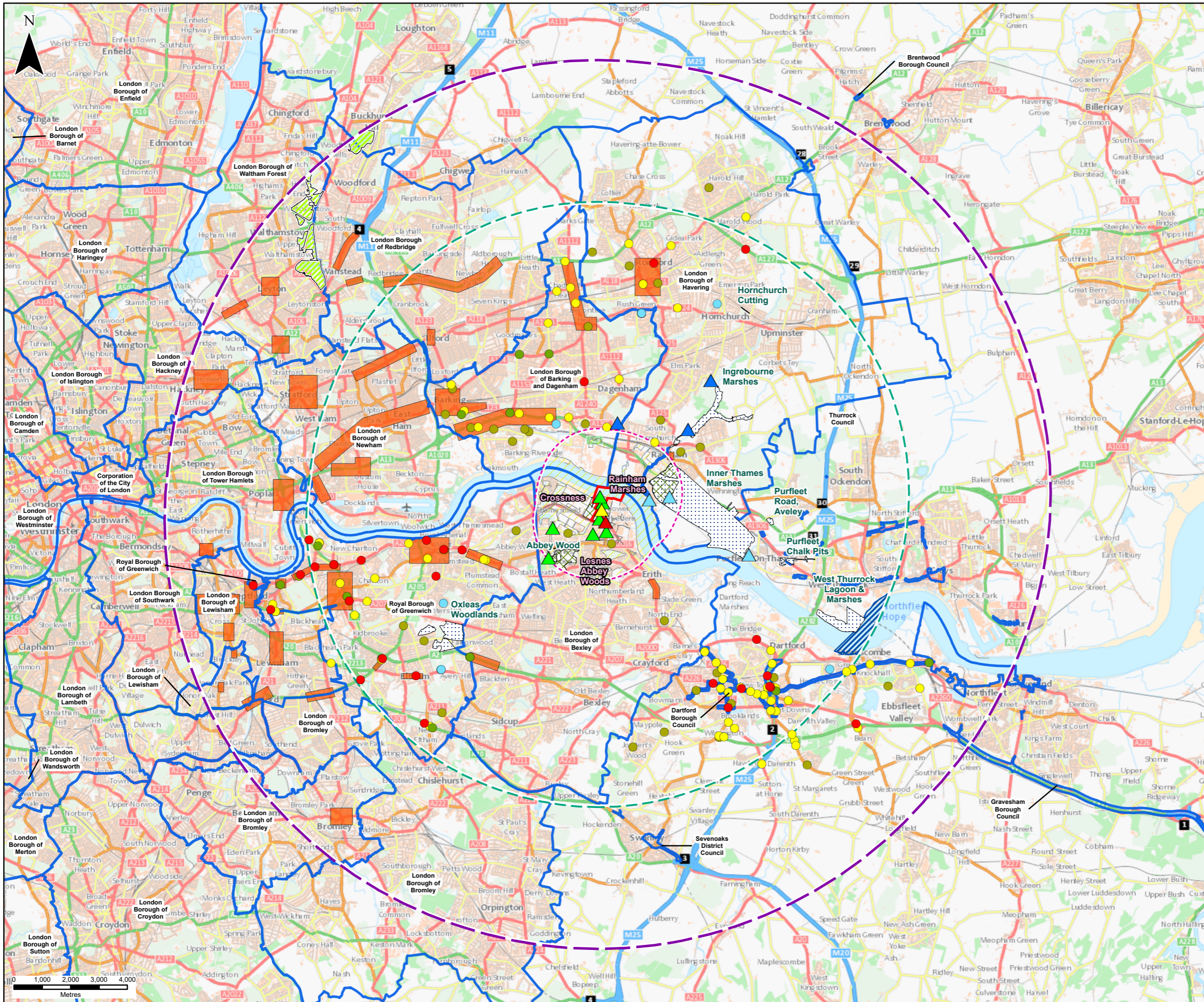
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FIGURE 3-2:
ALTERNATIVE DEVELOPMENT AREA OPTIONS
FOR THE PROPOSED JETTY

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Scale: 1:1,250,000

- Key:**
- Site Boundary
 - 2km Study Area
 - 10km Study Area
 - 15km Study Area
- WSP Monitoring**
2022 Annual Mean NO₂ (µg/m³)
- ▲ < 15
 - ▲ 15 - 20
 - ▲ 20 - 30
 - ▲ 30 - 38
 - ▲ > 40
- Local Authority Monitoring**
2019 Annual Mean NO₂ (µg/m³)
- 15 - 20
 - 20 - 30
 - 30 - 38
 - 38 - 40
 - > 40
- Air Quality Management Areas
 - Air Quality Focus Areas
 - Marine Conservation Zone (MCZ) - Swanscombe
 - Special Area of Conservation (SAC) - Epping Forest
 - Sites of Special Scientific Interest (SSSI)
 - Local Nature Reserve (LNR)
 - Sites of Importance for Nature Conservation (SINC)

Note:
1. WSP monitoring has been annualised to 2022.
2. 2021 concentrations are presented for the London Borough of Barking and Dagenham as 2019 data is not available.

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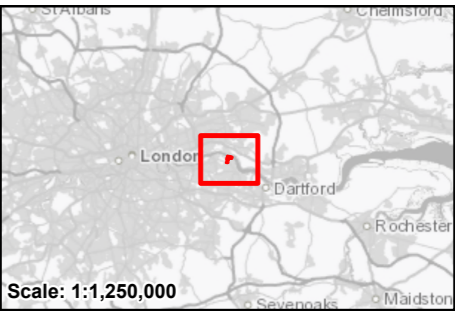
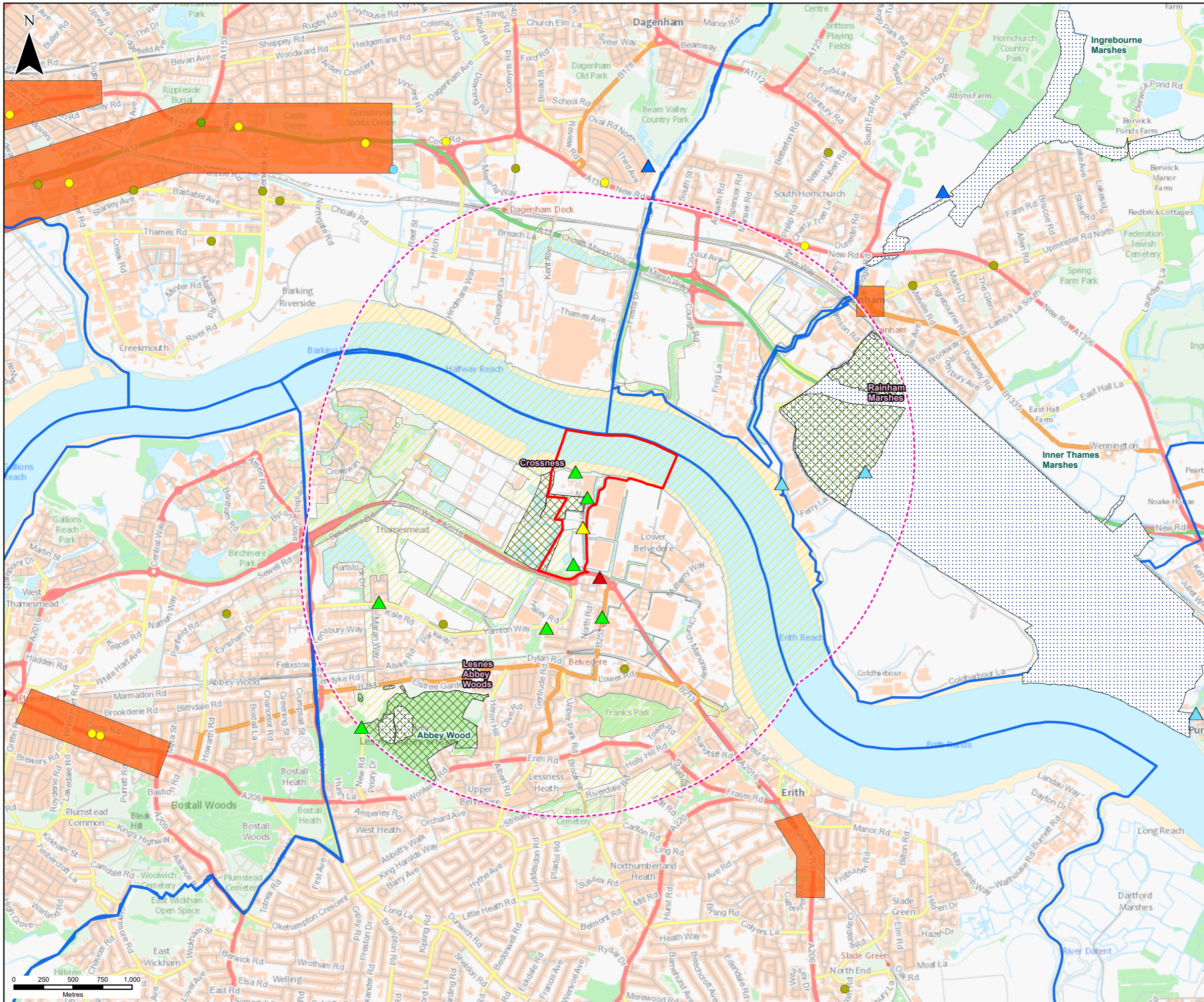
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FIGURE 5-1:
AIR QUALITY BASELINE
PAGE 1 OF 2

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Scale: 1:1,250,000

- Key:**
- Site Boundary
 - 2km Study Area
 - 10km Study Area
 - 15km Study Area
- WSP Monitoring**
2022 Annual Mean NO₂ (µg/m³)
- ▲ < 15
 - ▲ 15 - 20
 - ▲ 20 - 30
 - ▲ 30 - 38
 - ▲ > 40
- Local Authority Monitoring**
2019 Annual Mean NO₂ (µg/m³)
- 15 - 20
 - 20 - 30
 - 30 - 38
 - 38 - 40
 - > 40
- Air Quality Management Areas
 - Air Quality Focus Areas
 - Sites of Special Scientific Interest (SSSI)
 - Local Nature Reserve (LNR)
 - Sites of Importance for Nature Conservation (SINC)

Note:
1. WSP monitoring has been annualised to 2022.
2. 2021 concentrations are presented for the London Borough of Barking and Dagenham as 2019 data is not available.

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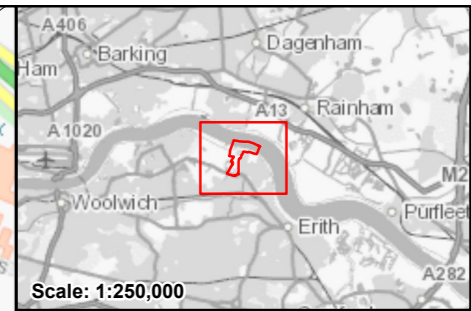
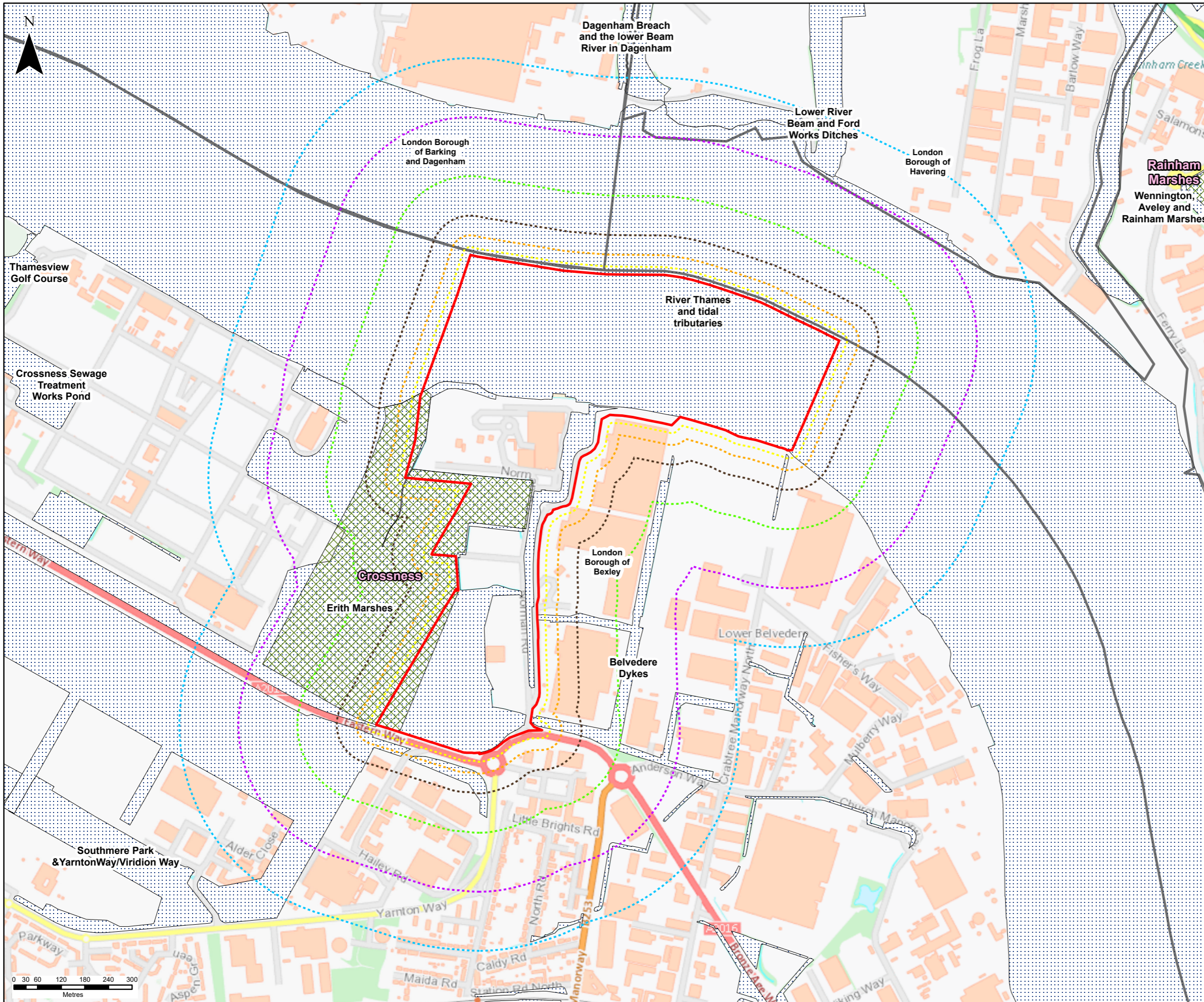
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**FIGURE 5-1:
AIR QUALITY BASELINE
PAGE 2 OF 2**

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Legend:

- Site Boundary
- 20m Study Area (Human and Ecological Receptors)
- 50m Study Area (Human and Ecological Receptors)
- 100m Study Area (Human Receptors)
- 200m Study Area (Human Receptors)
- 350m Study Area (Human Receptors)
- 500m Study Area (Construction Vehicle Routes)
- Local Authority Boundary
- Local Nature Reserve (LNR)
- Sites of Importance for Nature Conservation (SINC)

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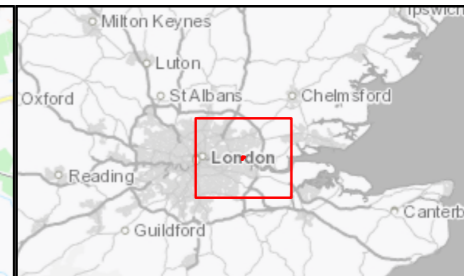
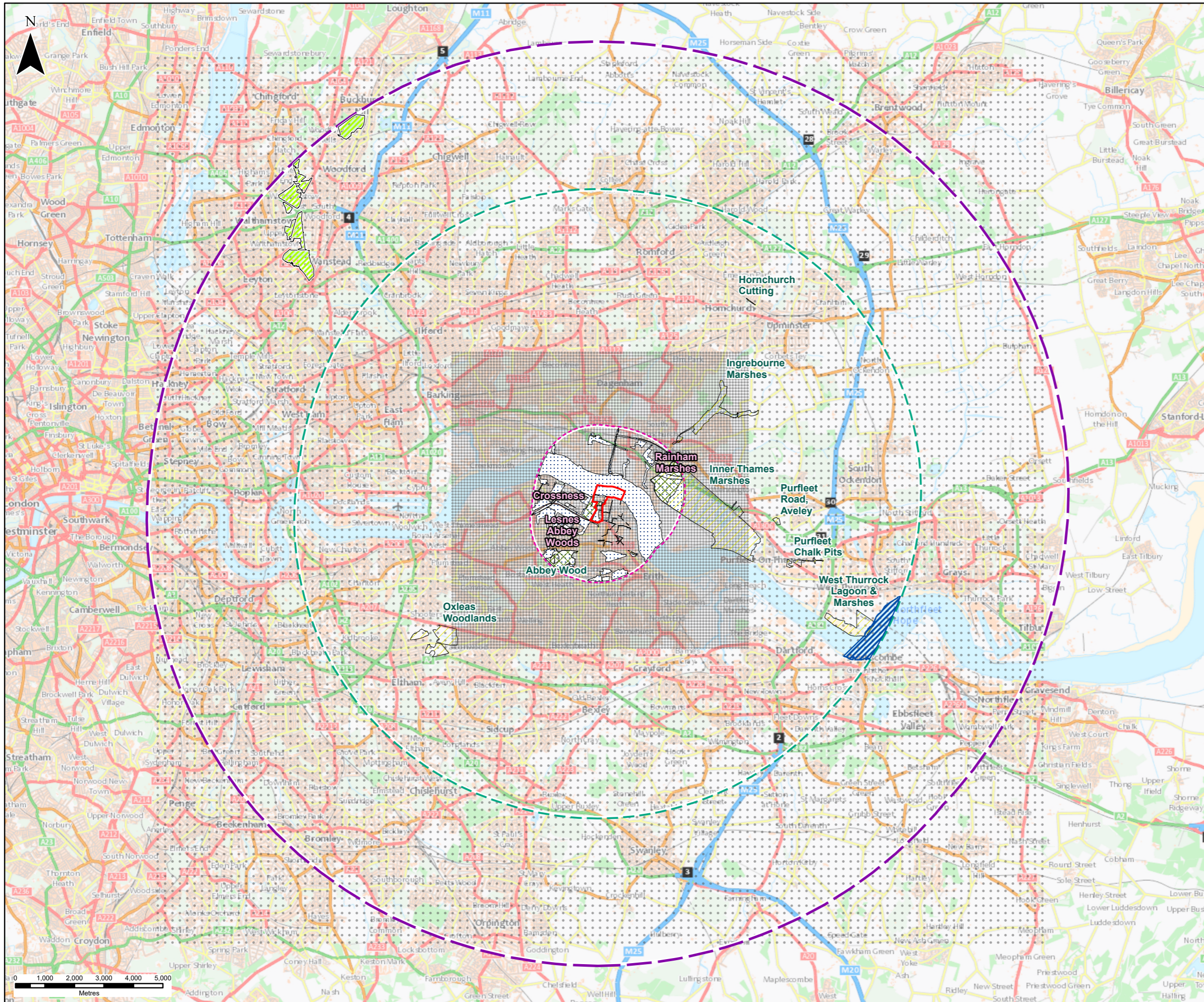
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**FIGURE 5-2:
CONSTRUCTION PHASE STUDY
AREAS**

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- Scale: 1:3,000,000
- Legend:**
- Site Boundary
 - 2km Study Area
 - 10km Study Area
 - 15km Study Area
 - Marine Conservation Zone (MCZ) - Swanscombe
 - Special Area of Conservation (SAC) - Epping Forest
 - Sites of Special Scientific Interest (SSSI)
 - Local Nature Reserve (LNR)
 - Sites of Importance for Nature Conservation (SINC)
 - Modelled Receptor Grid

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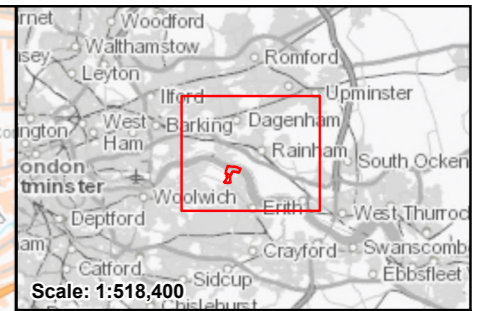
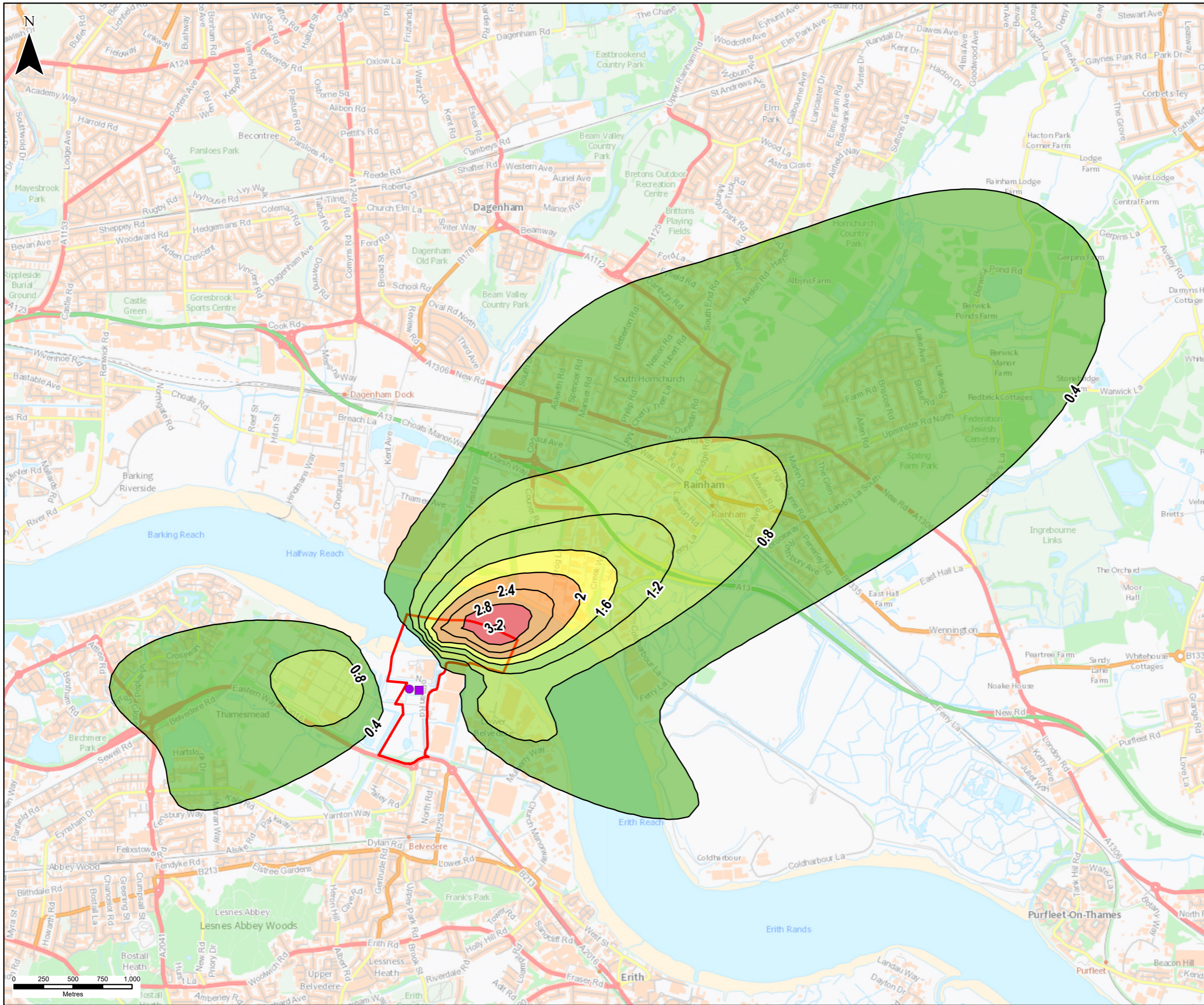
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**FIGURE 5-3:
OPERATIONAL PHASE
STUDY AREAS**

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- Scale:** 1:518,400
- Legend:**
- ▬ Site Boundary
 - Stack Locations**
 - Carbon Capture Riverside 1
 - Carbon Capture Riverside 2
 - NO₂ Annual Baseline PC (µg/m³)

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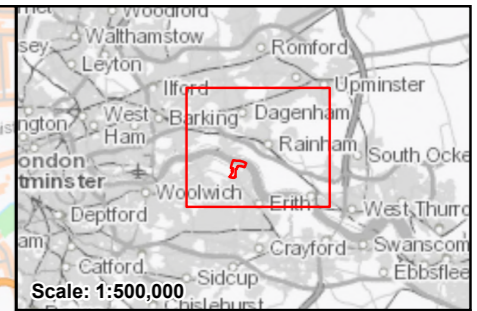
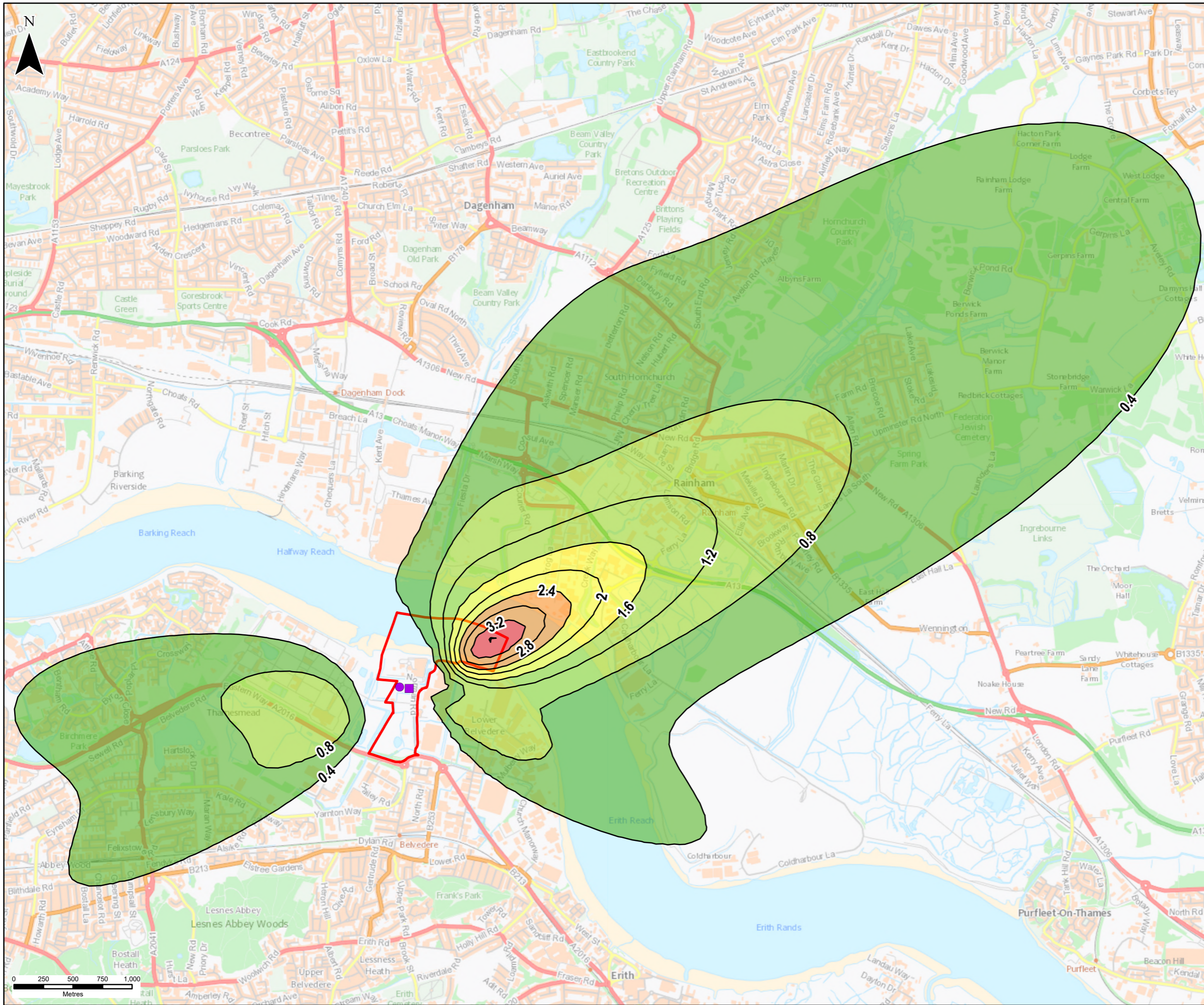
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FIGURE 5-4:
NO₂ ANNUAL BASELINE PC

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Scale: 1:500,000

Legend:

- Site Boundary
- Stack Locations
 - Carbon Capture Riverside 1
 - Carbon Capture Riverside 2
- NO₂ Annual Carbon Capture PC (µg/m³)

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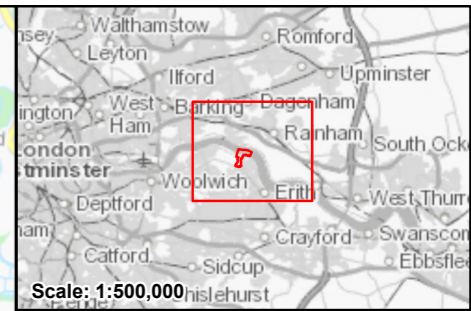
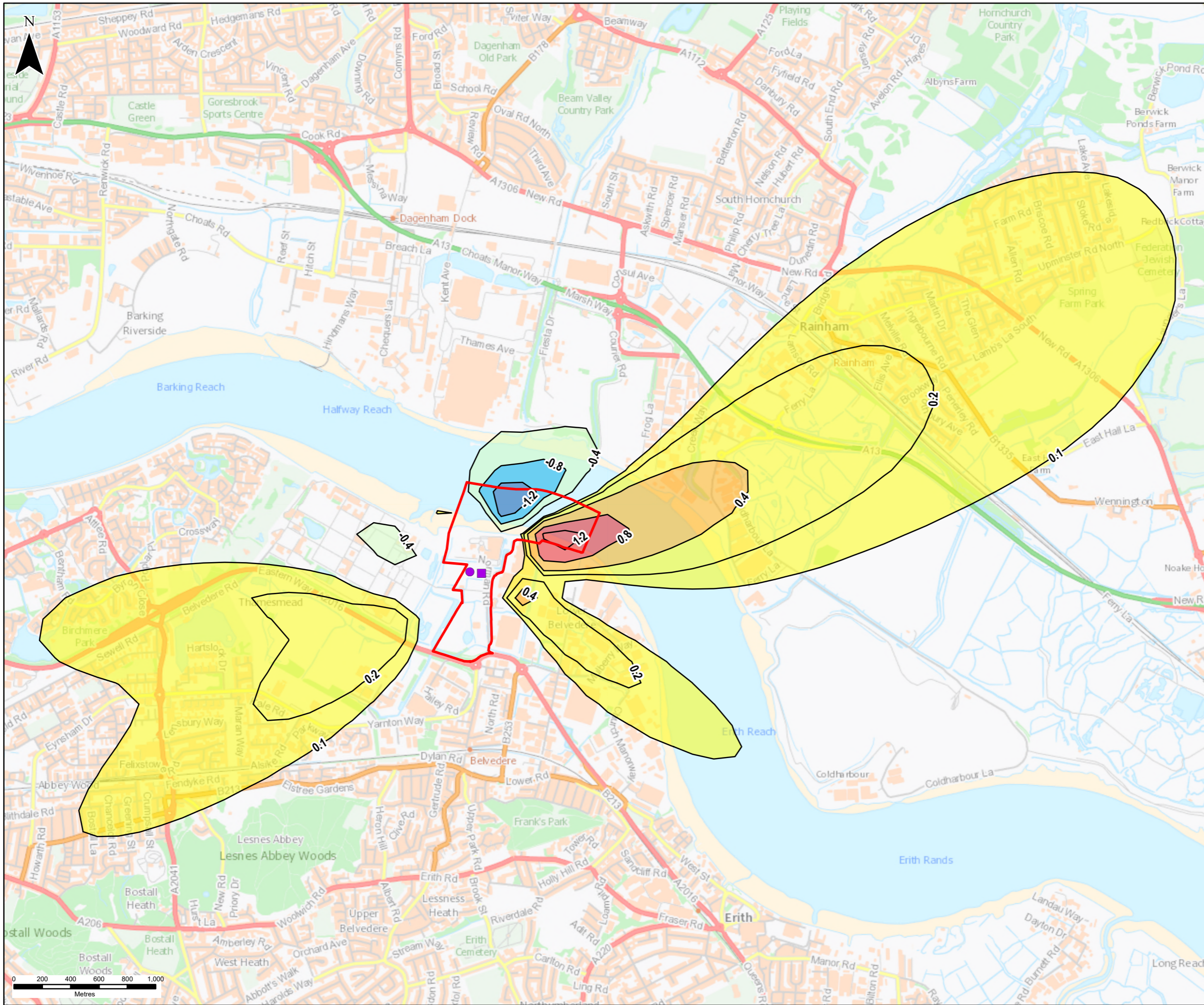
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FIGURE 5-5:
NO₂ ANNUAL CARBON CAPTURE PC

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70090329-WSP-00-XX-RP-EP-0505-P01-S0



- Legend:**
- Site Boundary
 - Stack Locations
 - Carbon Capture Riverside 1
 - Carbon Capture Riverside 2
 - NO₂ Annual Impact (µg/m³)

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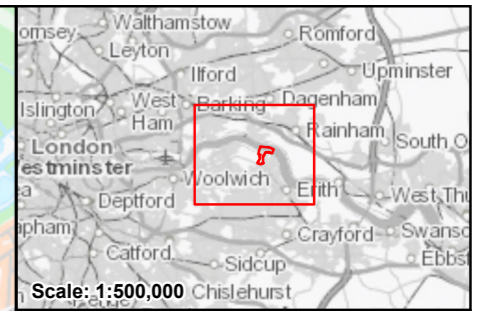
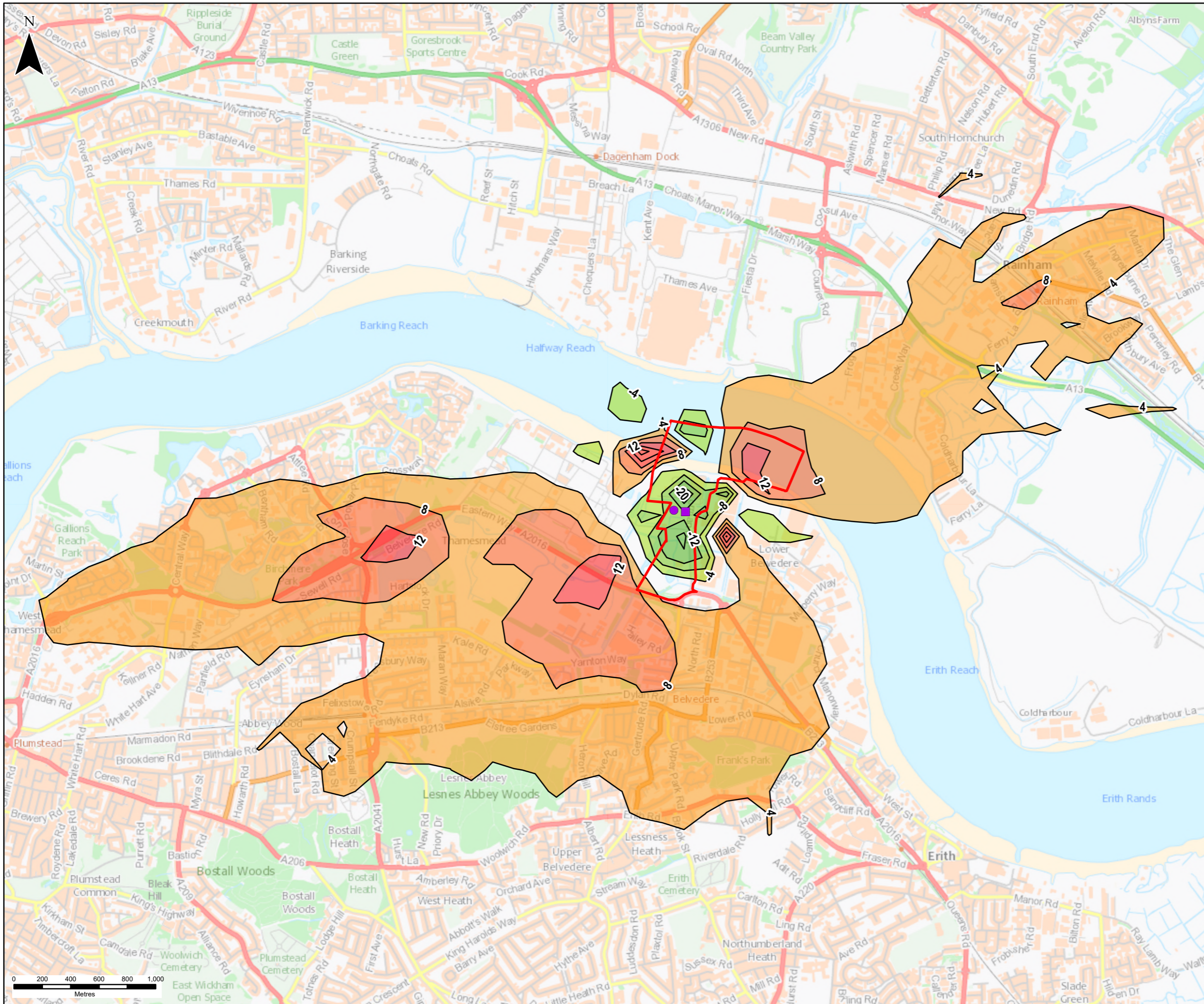
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**FIGURE 5-6:
NO₂ ANNUAL IMPACT**

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- Scale: 1:500,000
- Legend:**
- Site Boundary
 - Stack Locations
 - Carbon Capture Riverside 1
 - Carbon Capture Riverside 2
 - NO₂ 1 Hour Impact (µg/m³)

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**FIGURE 5-7:
NO₂ 1 HOUR IMPACT**

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