



Gatwick Airport Northern Runway Project

Environmental Statement
Air Quality Figures - Part 1

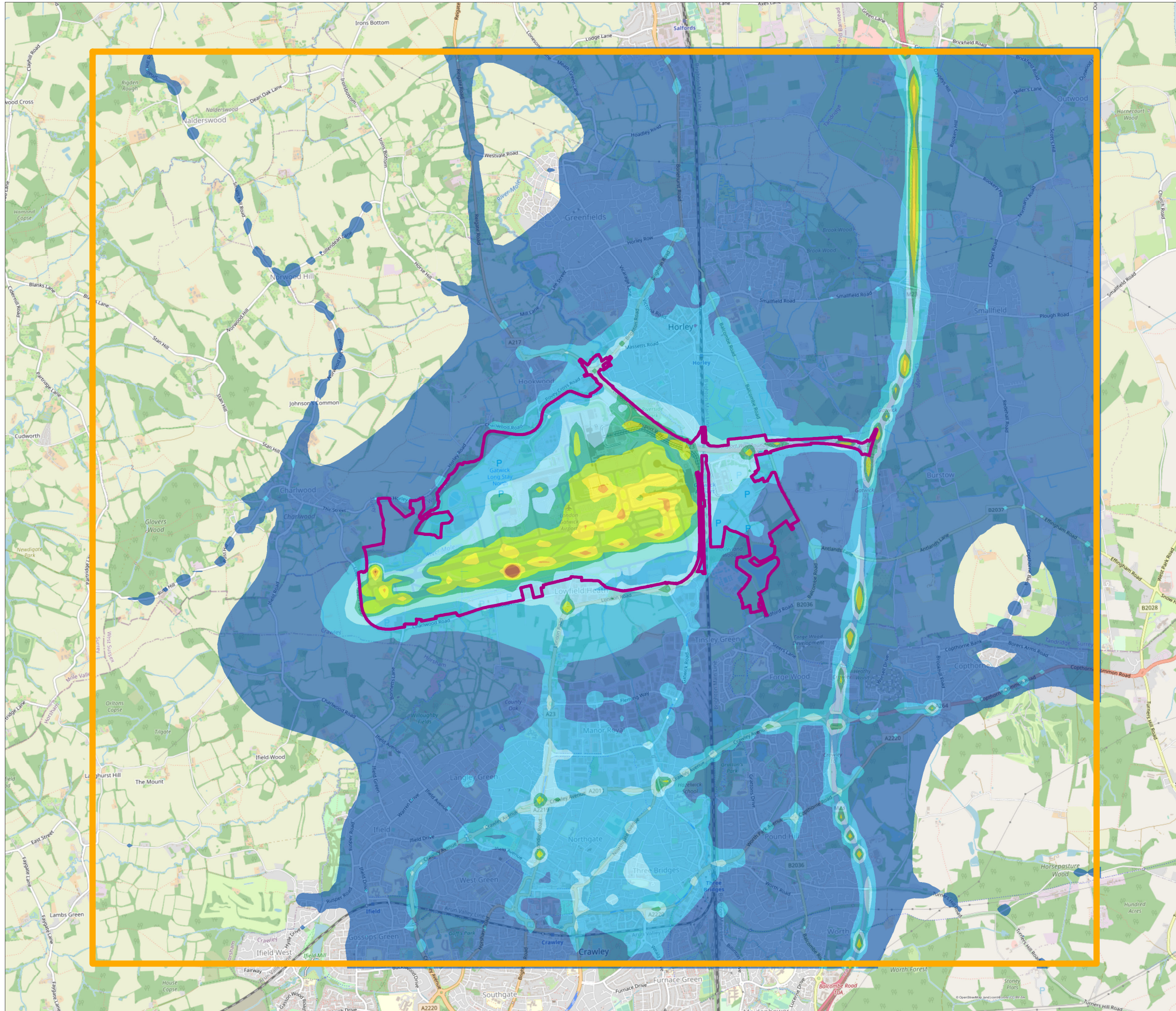
Book 5

VERSION: 1.0

DATE: JULY 2023

Application Document Ref: 5.2

PINS Reference Number: TR020005



Project Site Boundary (ES)

11 km x 10 km Domain

NO₂ concentrations (µg/m³)

< 10

10 - 15

15 - 20

20 - 25

25 - 30

30 - 40

40 - 50

50 - 60

> 60

DOCUMENT

Environmental Statement

DRAWING TITLE

Predicted NO₂ concentrations
in the 2029 operational scenario

DATE

July 2023

ORIENTATION



DRAWING NO.

FIGURE 13.1.1

REVISION

For ES Issue

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Project Site Boundary (ES)

11 km x 10 km Domain

PM₁₀ concentrations (µg/m³)

< 13

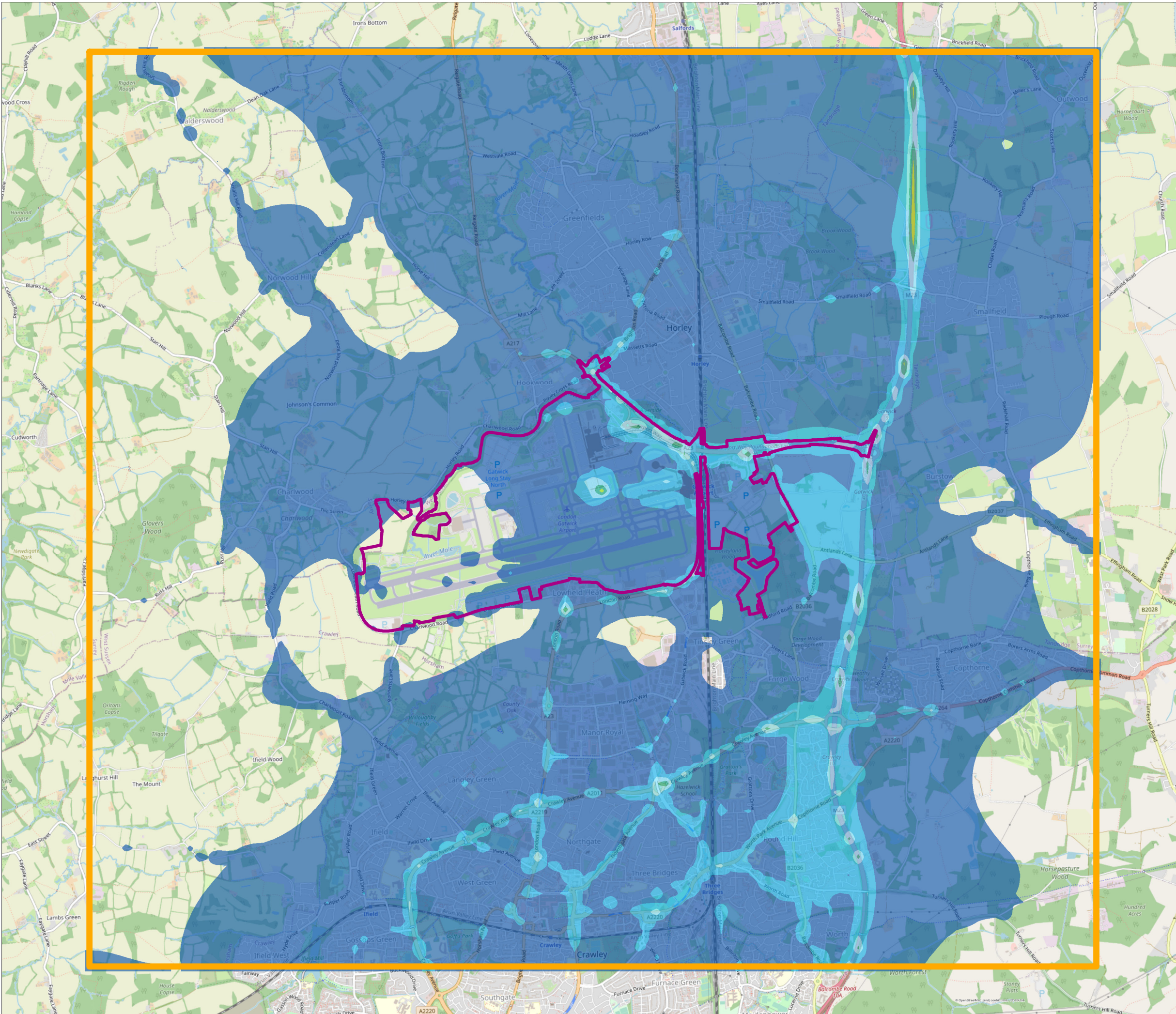
13 - 15

15 - 17

17 - 19

19 - 21

> 21



DOCUMENT

Environmental Statement

DRAWING TITLE

Predicted PM₁₀ concentrations in the 2029 operational scenario

DATE

July 2023

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FIGURE 13.1.2

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Project Site Boundary (ES)

11 km x 10 km Domain

PM_{2.5} concentrations (µg/m³)

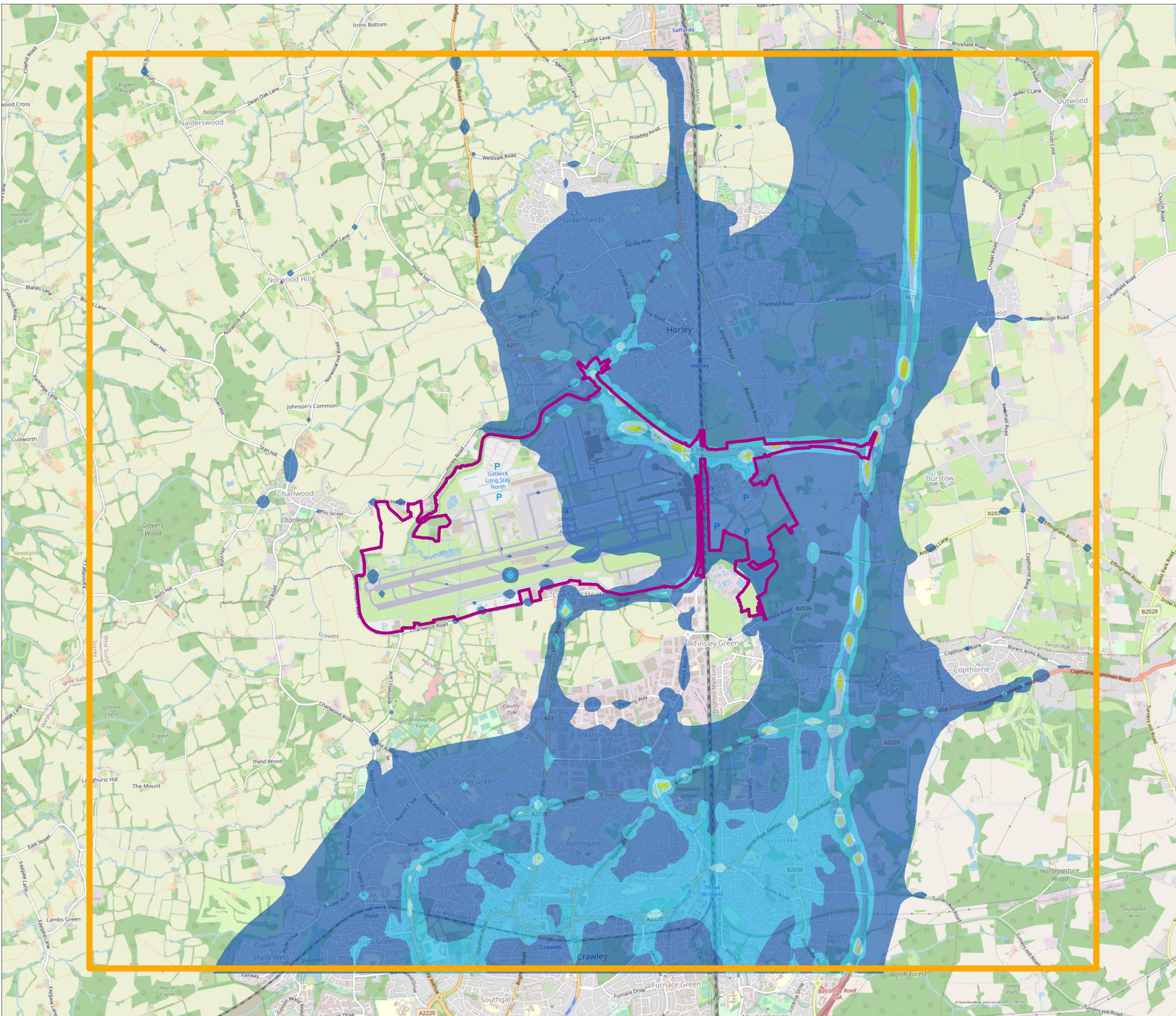
< 9

9 - 10

10 - 11

11 - 12

> 12



DOCUMENT
Environmental Statement

DRAWING TITLE
Predicted PM_{2.5} concentrations in the 2029 operational scenario

DATE
July 2023

ORIENTATION 	DRAWING NO. FIGURE 13.1.3	REVISION For ES Issue
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Project Site Boundary (ES)

11 km x 10 km Domain

NO₂ concentrations (µg/m³)

< 10

10 - 15

15 - 20

20 - 25

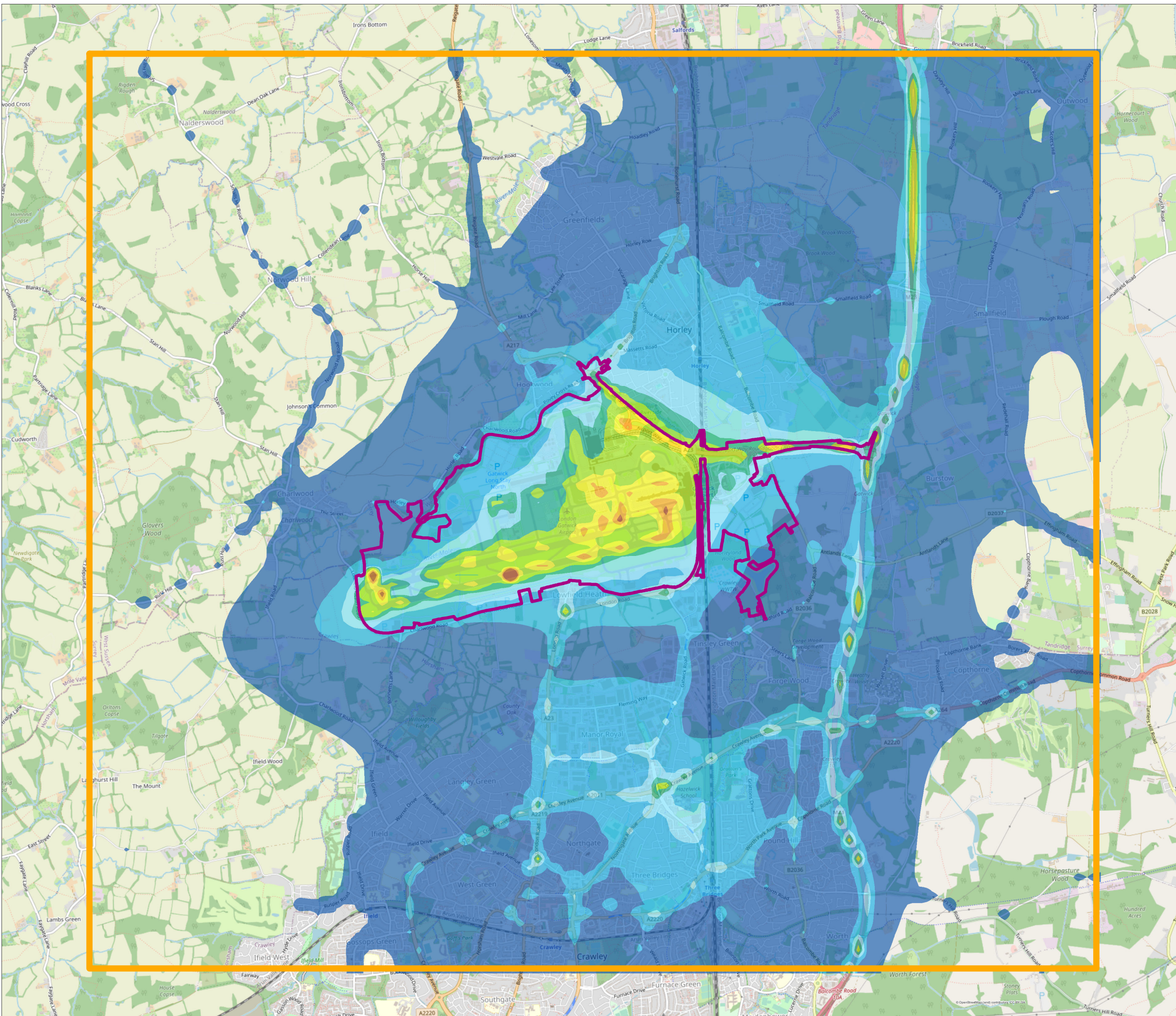
25 - 30

30 - 40

40 - 50

50 - 60

> 60



DOCUMENT
Environmental Statement

DRAWING TITLE
Predicted NO₂ concentrations in the 2032 operational scenario

DATE
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ORIENTATION 	DRAWING NO. FIGURE 13.1.4	REVISION For ES Issue
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Project Site Boundary (ES)

11 km x 10 km Domain

PM₁₀ concentrations (µg/m³)

< 13

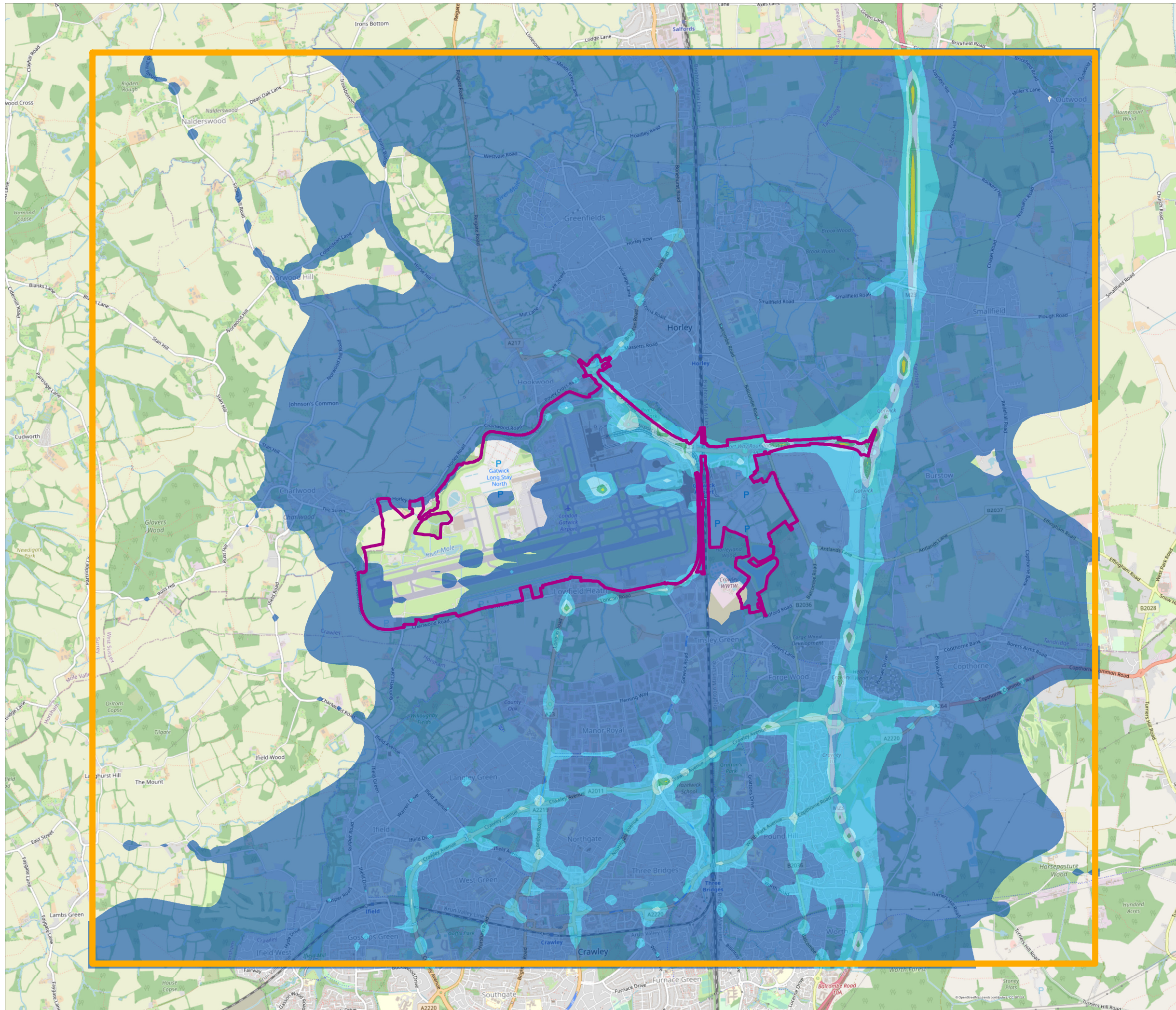
13 - 15

15 - 17

17 - 19

19 - 21

> 21



DOCUMENT

Environmental Statement

DRAWING TITLE

Predicted PM₁₀ concentrations in the 2032 operational scenario

DATE

July 2023

ORIENTATION



DRAWING NO.

FIGURE 13.1.5

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Project Site Boundary (ES)

11 km x 10 km Domain

PM_{2.5} concentrations (µg/m³)

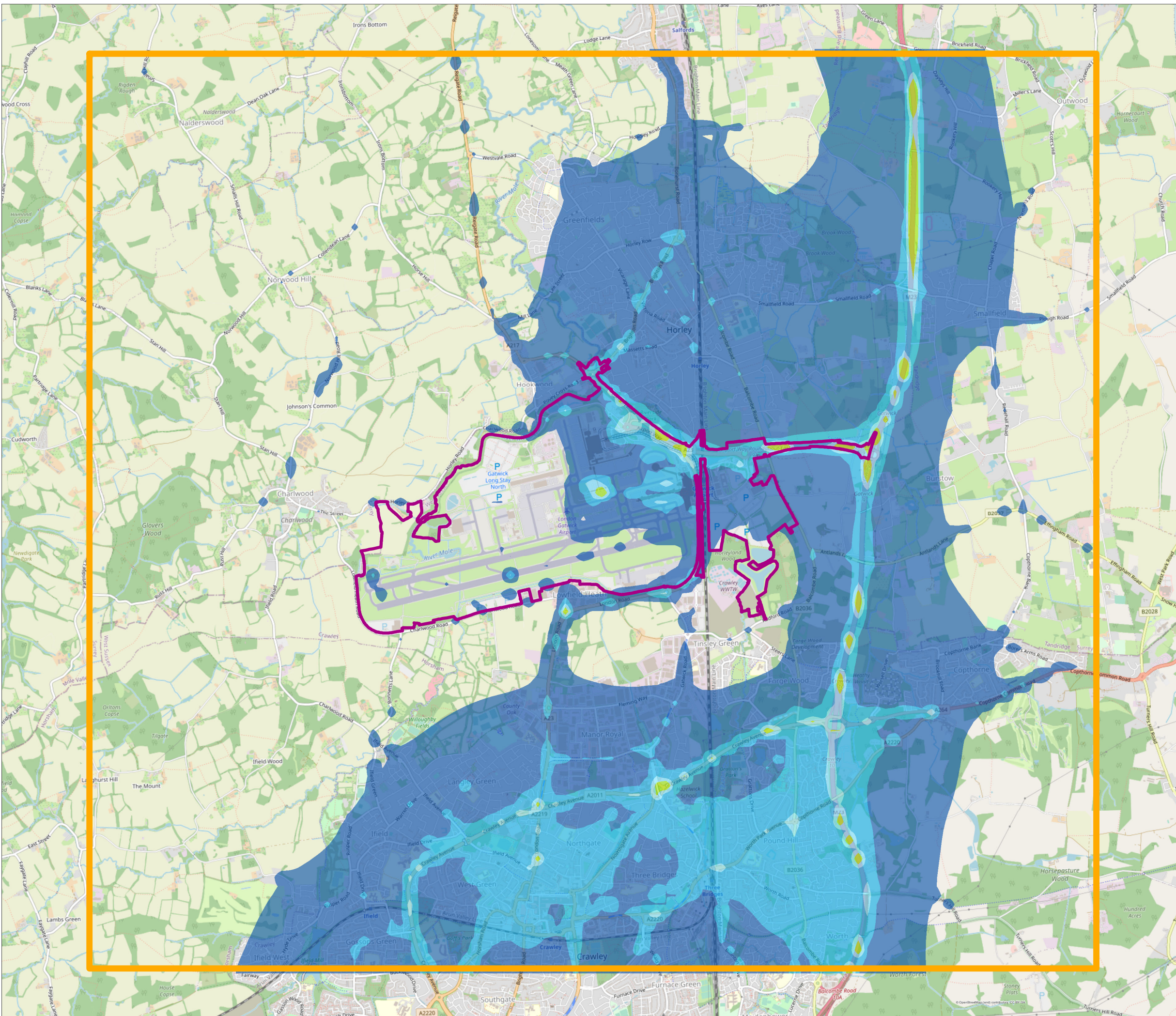
< 9

9 - 10

10 - 11

11 - 12

> 12



DOCUMENT
Environmental Statement

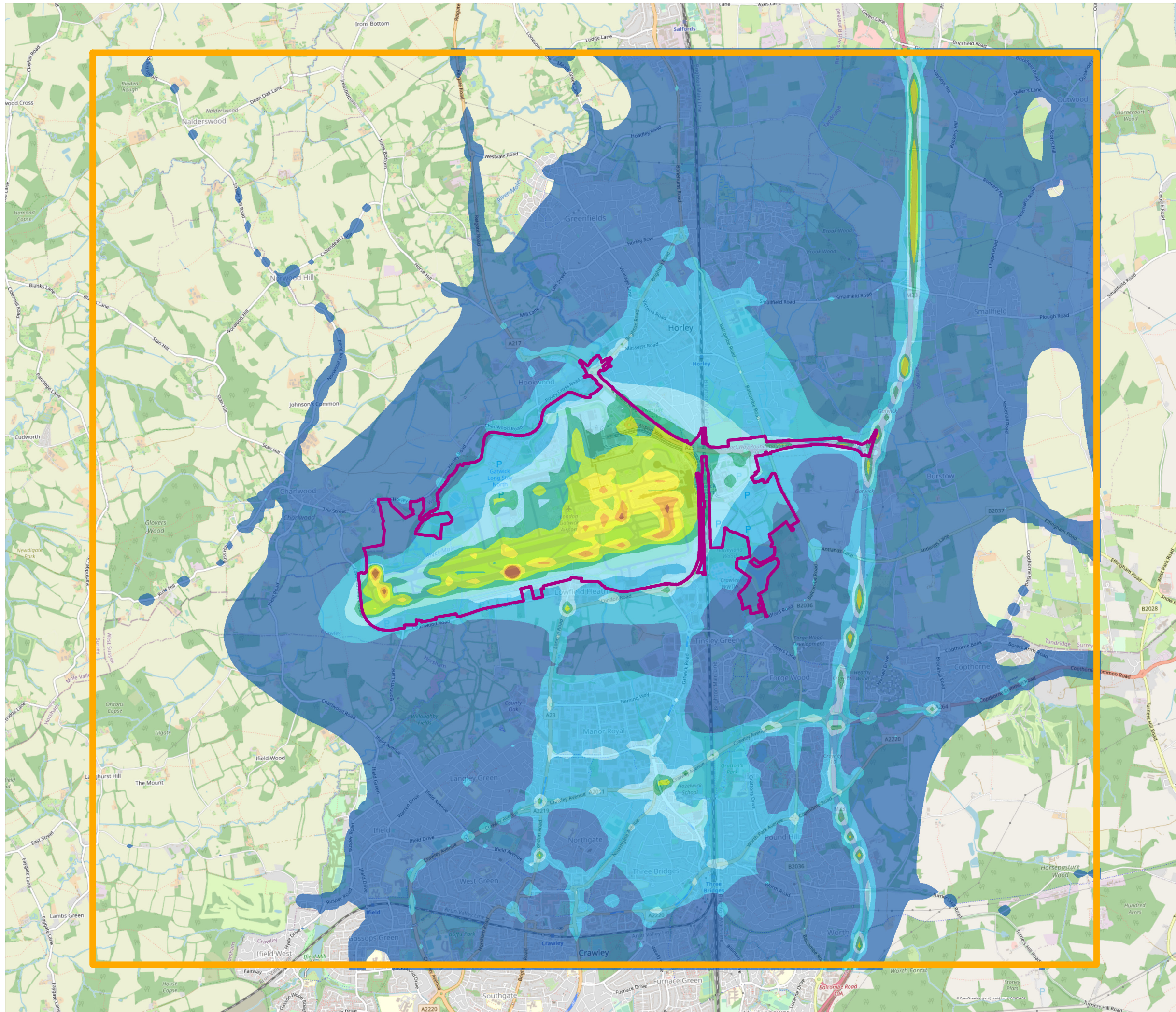
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Predicted PM_{2.5} concentrations in the 2032 operational scenario

DATE
July 2023

ORIENTATION 	DRAWING NO. FIGURE 13.1.6	REVISION For ES Issue
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Project Site Boundary (ES)

11 km x 10 km Domain

NO₂ concentrations (µg/m³)

< 10

10 - 15

15 - 20

20 - 25

25 - 30

30 - 40

40 - 50

50 - 60

> 60

DOCUMENT

Environmental Statement

DRAWING TITLE

Predicted NO₂ concentrations in the 2038 operational scenario

DATE

July 2023

ORIENTATION



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FIGURE 13.1.7

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Project Site Boundary (ES)

11 km x 10 km Domain

PM₁₀ concentrations (µg/m³)

< 13

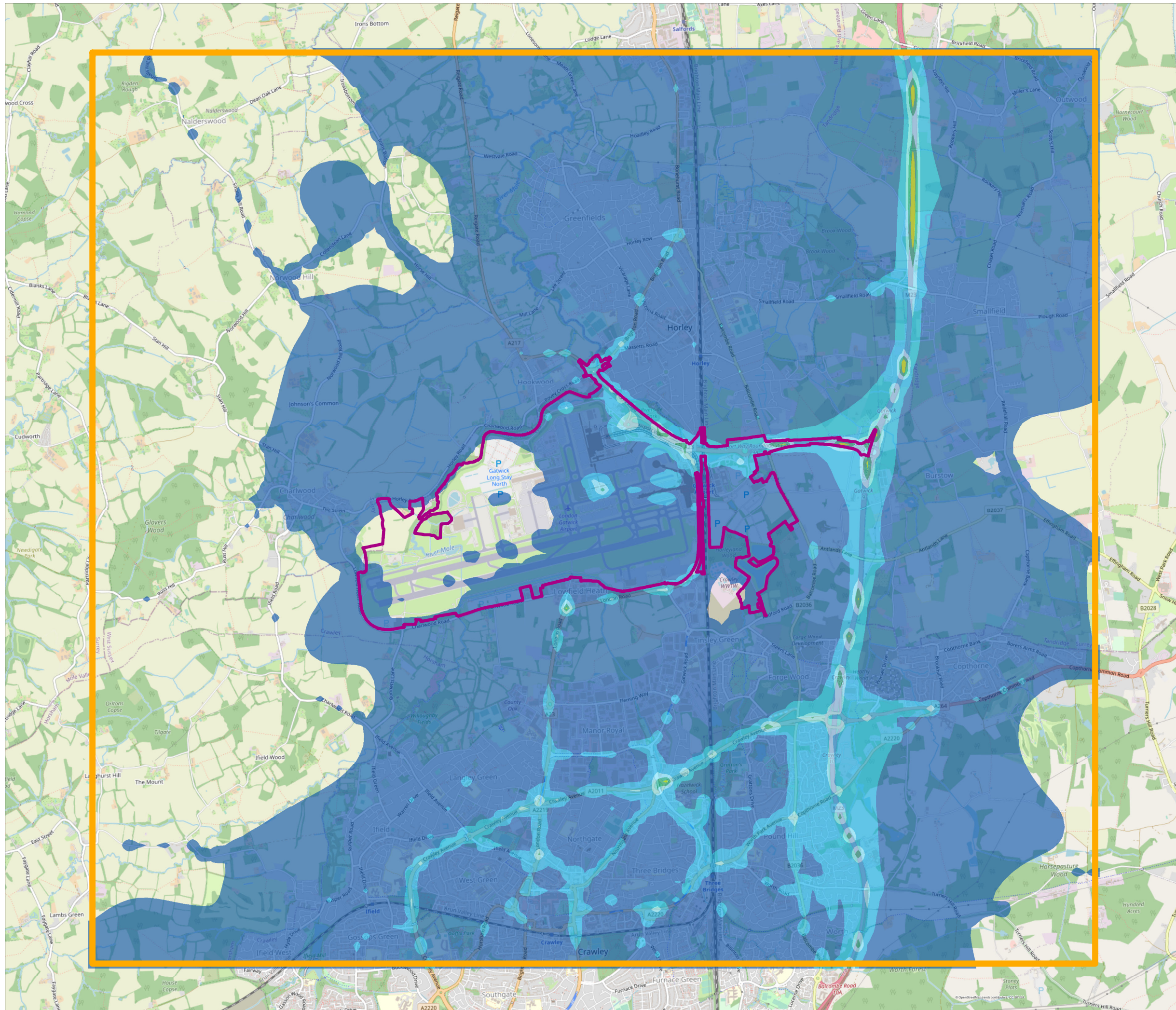
13 - 15

15 - 17

17 - 19

19 - 21

> 21



DOCUMENT

Environmental Statement

DRAWING TITLE

Predicted PM₁₀ concentrations in the 2038 operational scenario

DATE

July 2023

ORIENTATION



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FIGURE 13.1.8

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Project Site Boundary (ES)

11 km x 10 km Domain

PM_{2.5} concentrations (µg/m³)

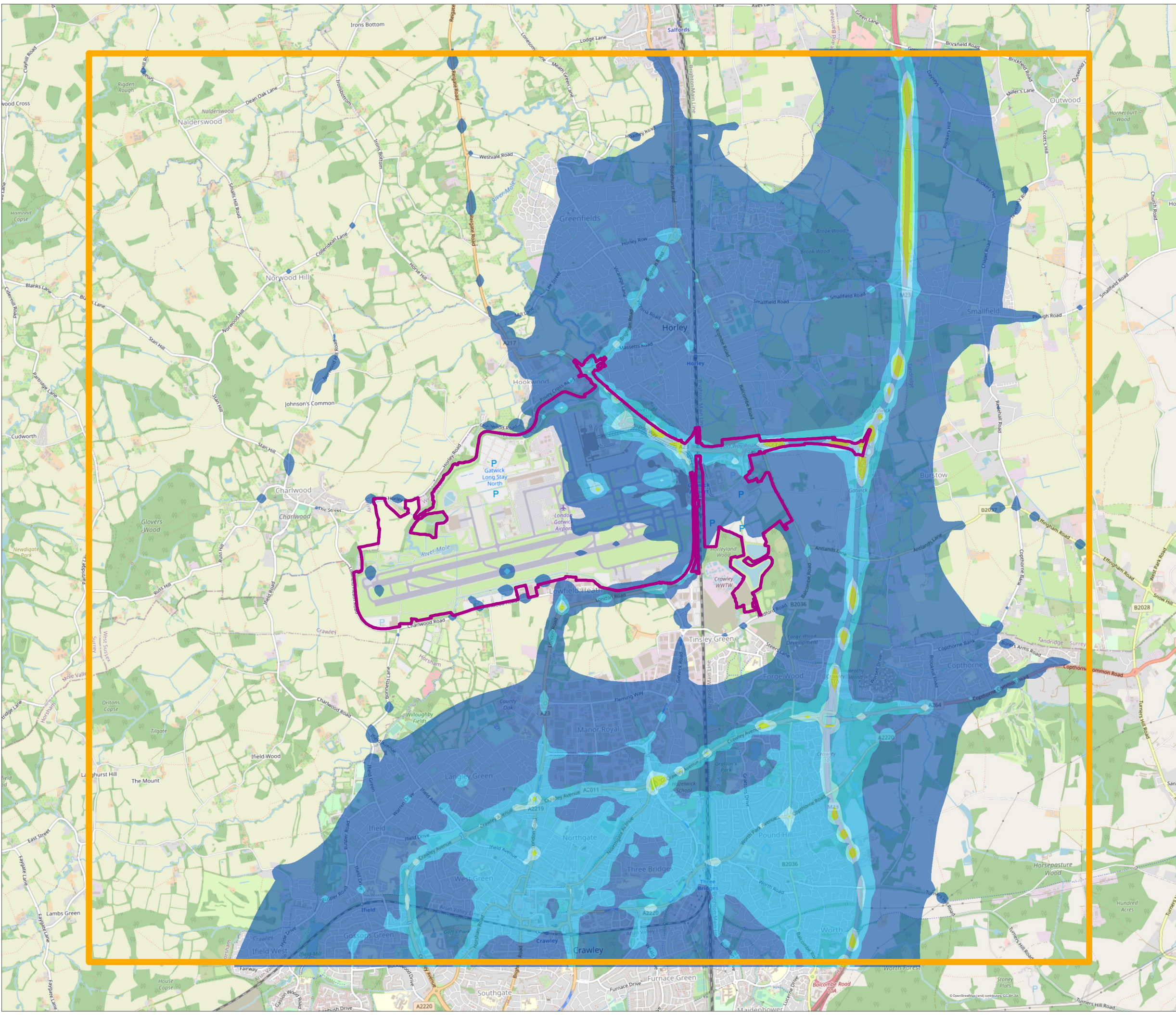
< 9

9 - 10

10 - 11

11 - 12

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Environmental Statement

DRAWING TITLE
Predicted PM_{2.5} concentrations in the 2038 operational scenario

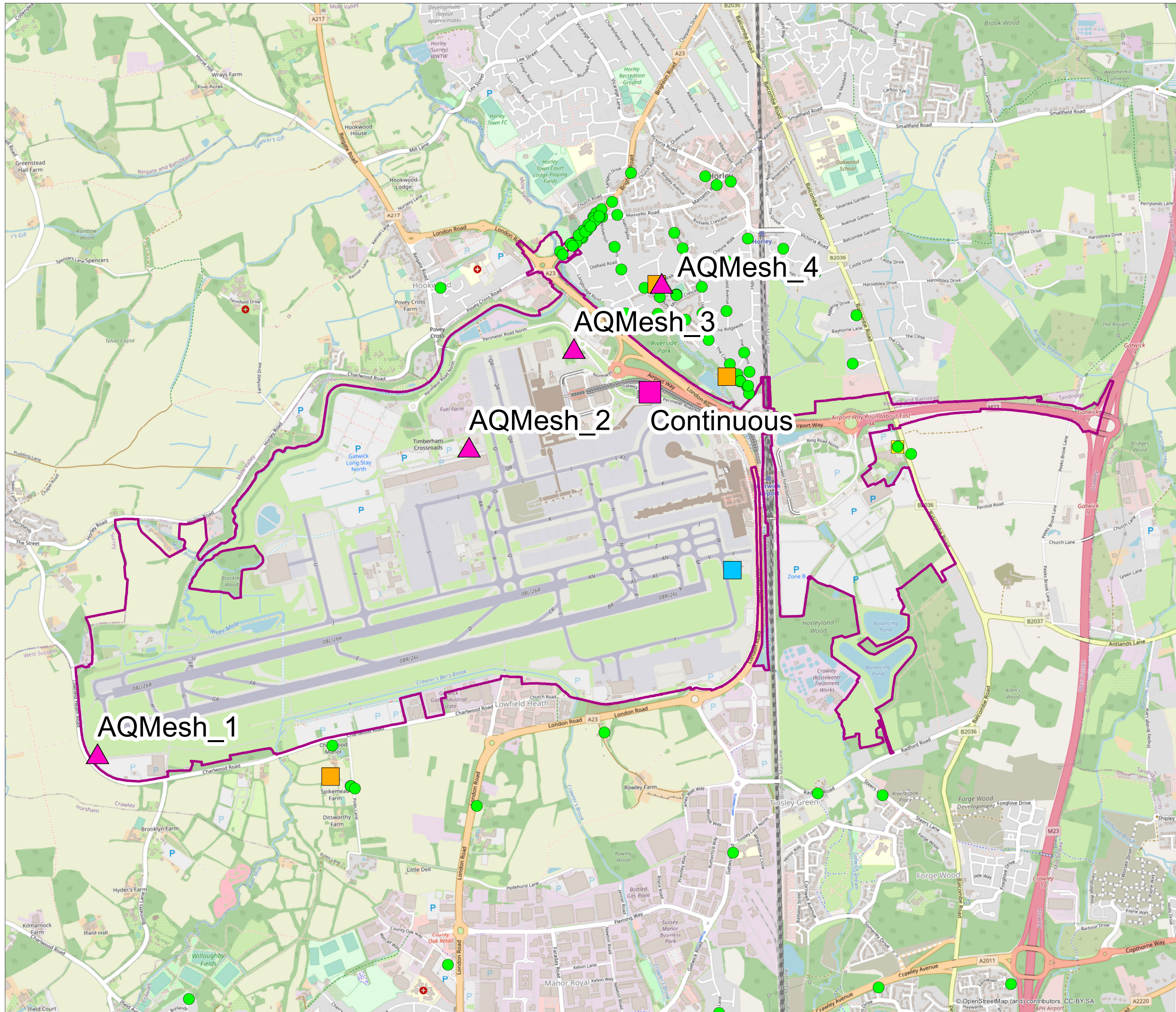
DATE
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Indicative Proposed Monitoring Locations

- AQ Mesh
- Continuous

Funded Monitoring

- Automatic - Gatwick Airport Limited
- Automatic - Reigate and Banstead Borough Council

Local Authority

- Continuous Monitors
- Passive Monitors (Diffusion Tubes)
- Project Site Boundary

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Environmental Statement

DRAWING TITLE
Proposed Air Quality Monitoring Locations

DATE
July 2023

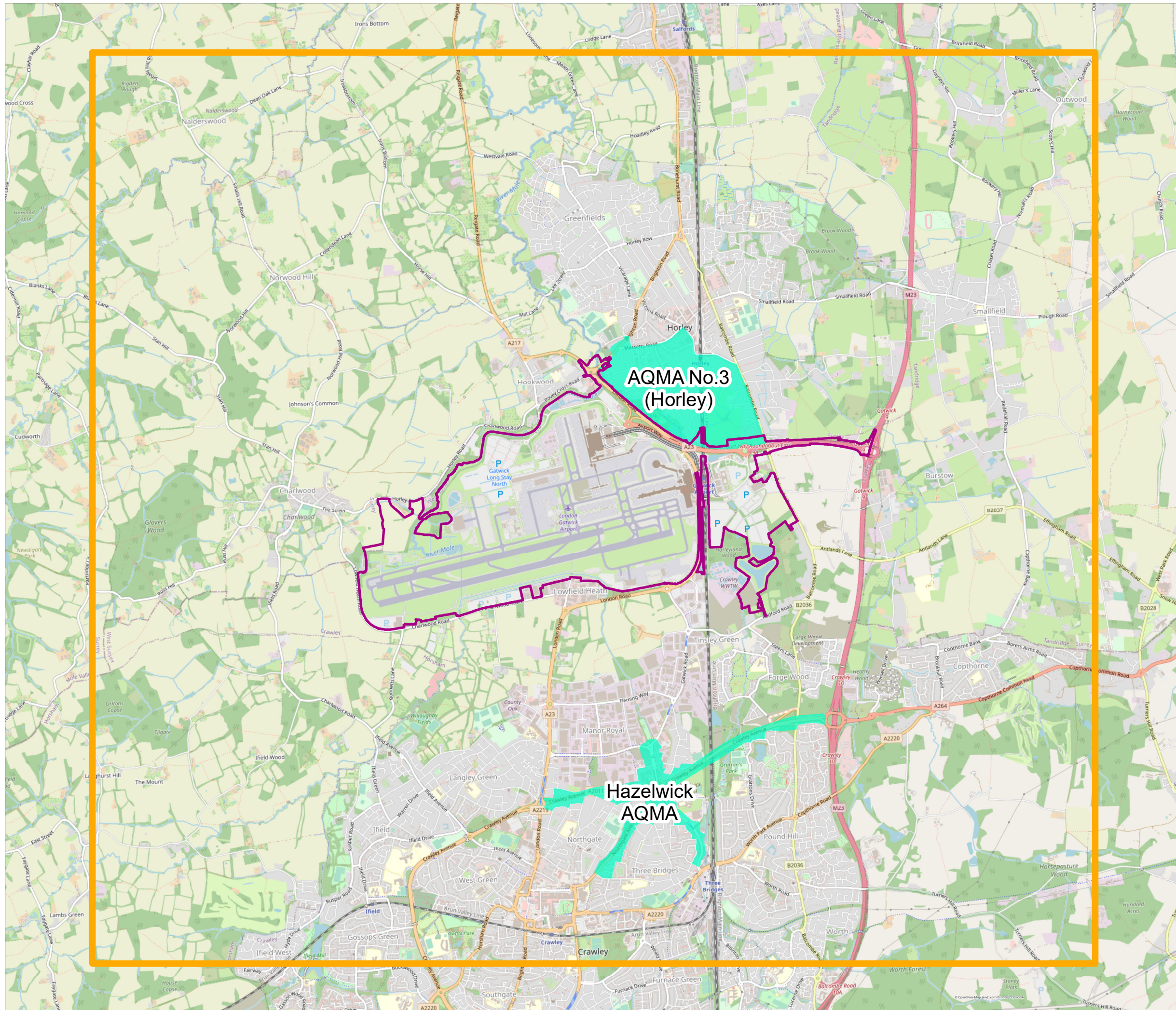
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- Project Site Boundary (ES)
- 11 km x 10km Domain
- Air Quality Management Area (AQMA)



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Environmental Statement

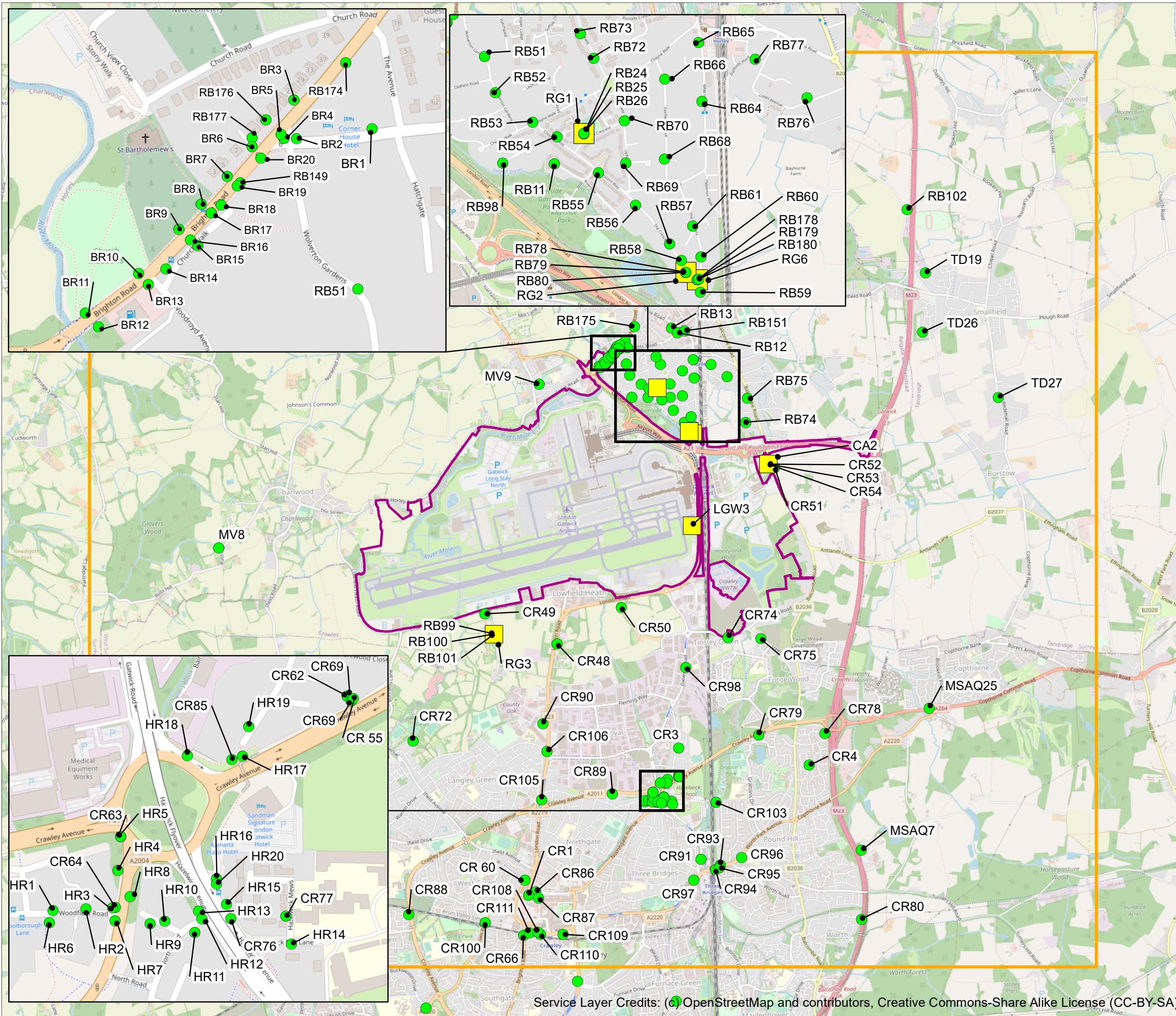
DRAWING TITLE
Location of 11 km x 10 km domain and Air Quality Management Areas

DATE
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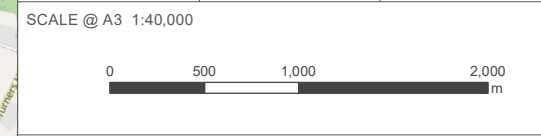
- Project Site Boundary (ES)
- 11 km x 10 km Domain
- Continuous Monitors
- Passive Monitors (Diffusion Tubes)

DOCUMENT
Environmental Statement

DRAWING TITLE
Locations of Local Planning Authority Monitoring in the 11 km x 10 km Domain

DATE
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