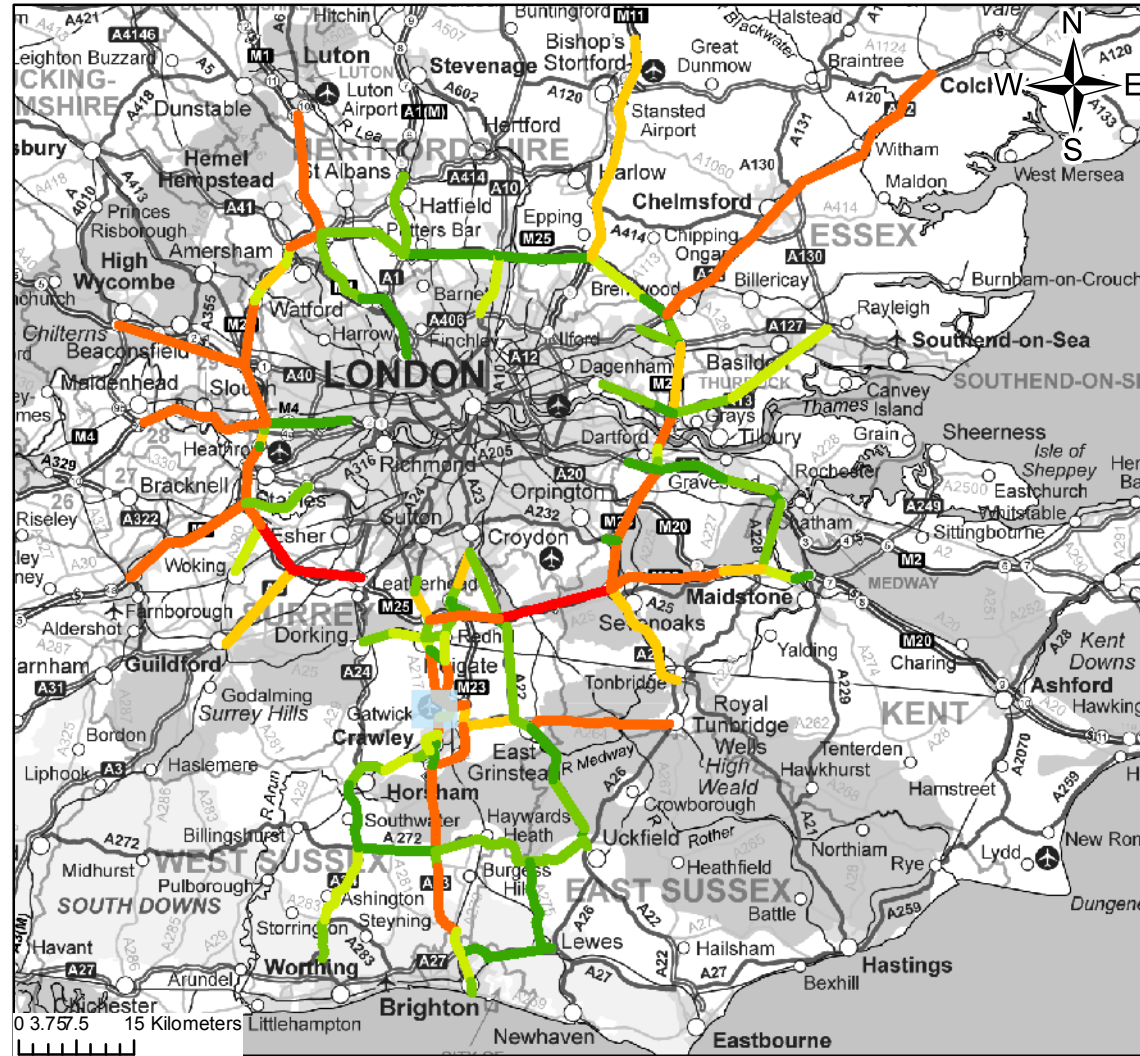


Gatwick Two Runways - Road Traffic - Airport Only PM₁₀ Emissions (t/y)



Gatwick Two Runways - Road Traffic - Airport Only PM_{2.5} Emissions (t/y)

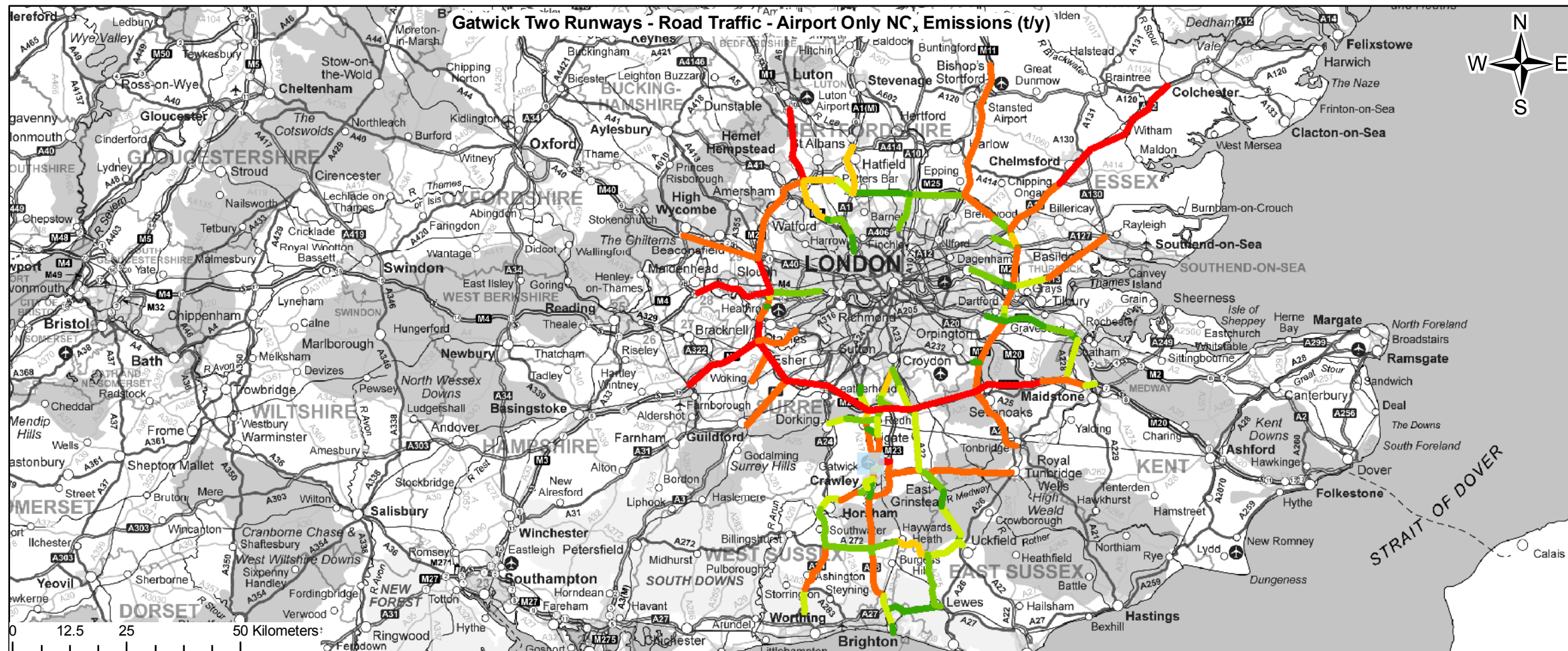
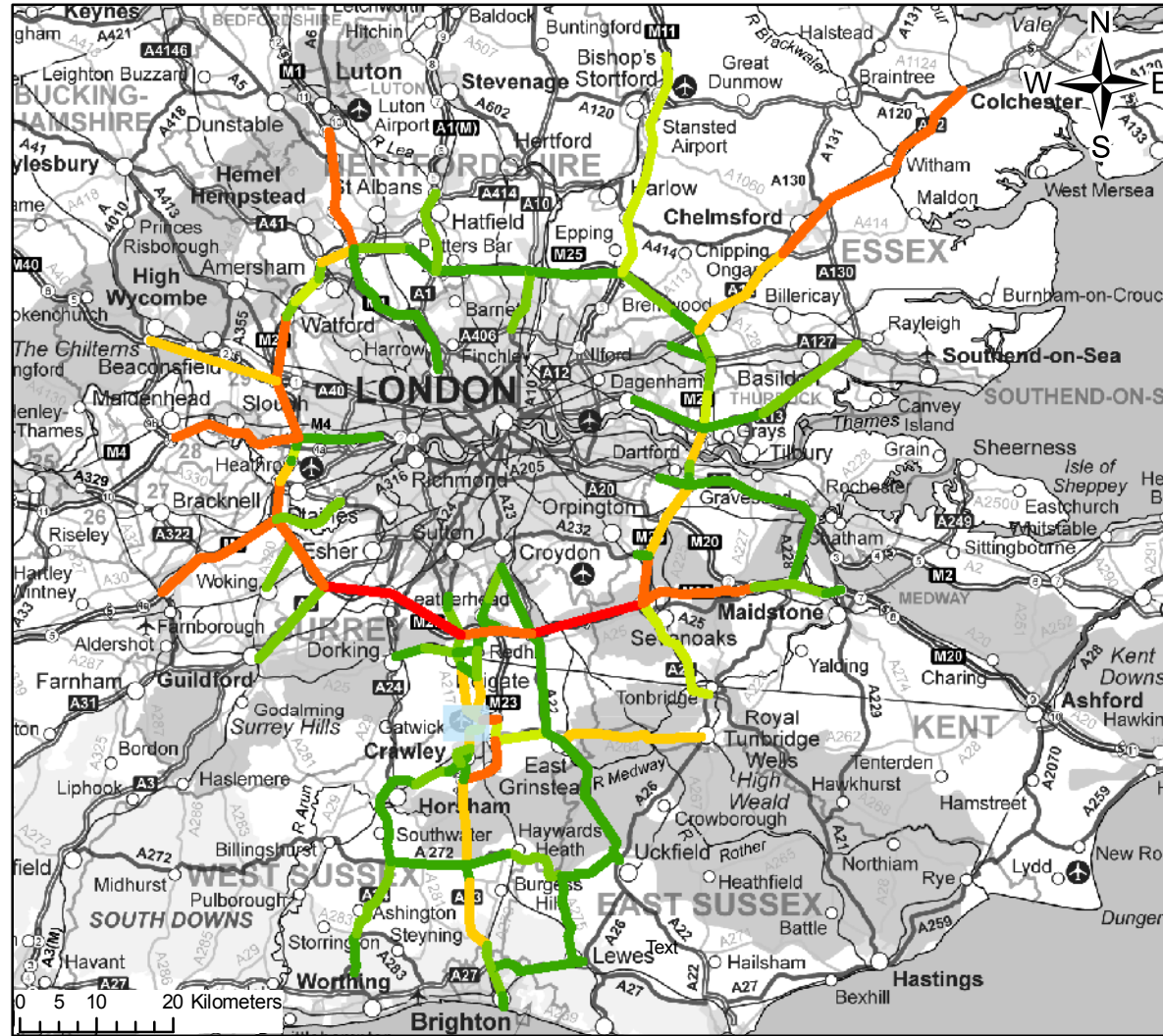


FIGURE 1

Legend

Road Traffic - Airport Only

DS PM₁₀ and PM_{2.5}

- 0.0 - 50.0
- 50.1 - 100.0
- 100.1 - 150.0
- 150.1 - 250.0
- 250.1 - 1000.0
- 1000.1 - 2000.0

Road Traffic - Airport Only

DS NO_x

- 0 - 250
- 251 - 500
- 501 - 750
- 751 - 1000
- 1001 - 5000
- 5001 - 40000

Gatwick Study Area

The emissions estimates on a link-by-link basis are indicative and will be refined within the stage 2 assessment.

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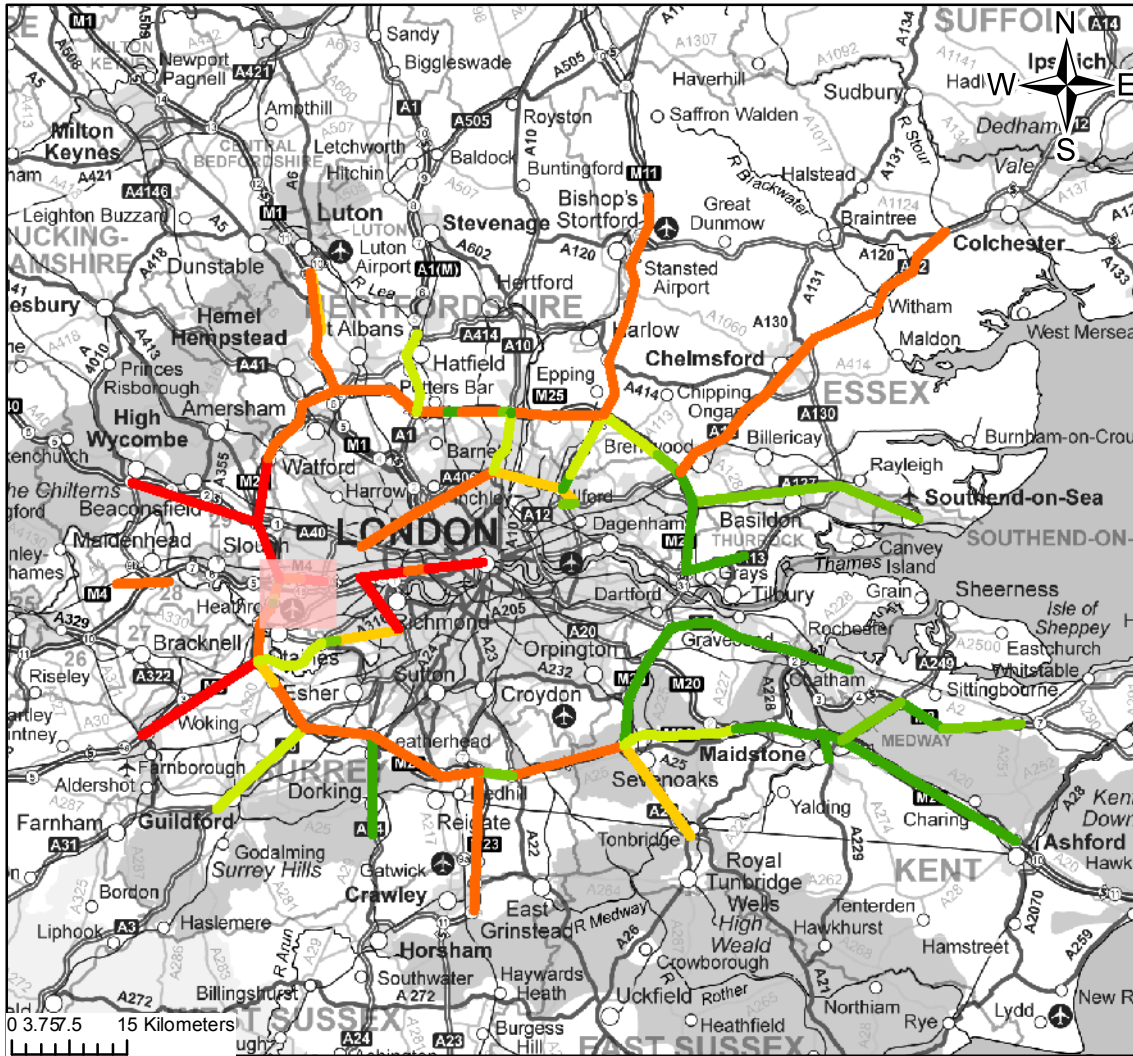
Drawing Title: **Gatwick Airport Second Runway (Gatwick R2)
Two Runway Road Traffic - Airport Only
NO_x, PM₁₀ and PM_{2.5} Emissions (t/y)**

Drawing Status: **Final**
Scale @ A3: **DO NOT SCALE**

Jacobs No.: B4160007
Client No.:
Drawing No.: **B4160007_AQ_1**

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Heathrow ENR Three Runways - Road Traffic - Airport Only PM₁₀ Emissions (t/y)



Heathrow ENR Three Runways - Road Traffic - Airport Only PM_{2.5} Emissions (t/y)

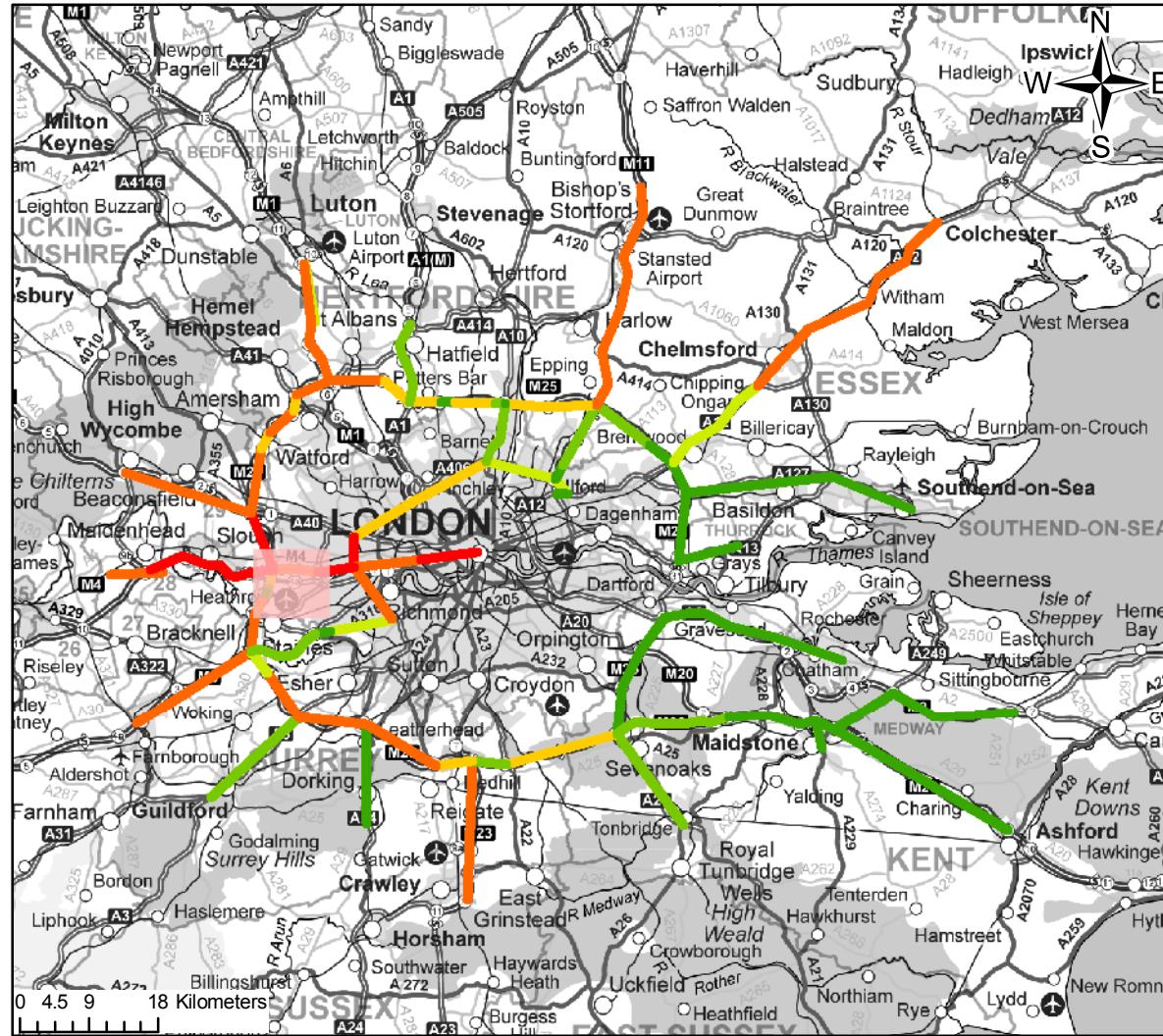


FIGURE 3

Legend

- Road Traffic - Airport Only**
- DSPM25_1**
- 0.0 - 50.0
 - 50.1 - 100.0
 - 100.1 - 150.0
 - 150.1 - 250.0
 - 250.1 - 1000.0
 - 1000.1 - 2000.0
- Heathrow ENR Study Area
- Road Traffic - Airport Only**
- DSNOX_1**
- 0 - 250
 - 251 - 500
 - 501 - 750
 - 751 - 1000
 - 1001 - 5000
 - 5001 - 40000

The emissions estimates on a link-by-link basis are indicative and will be refined within the stage 2 assessment.

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Drawing Title
Heathrow Airport Extended Northern Runway (Heathrow ENR)
Three Runways Road Traffic - Airport Only
NO_x, PM₁₀ and PM_{2.5} Emissions (t/y)

Drawing Status: Final

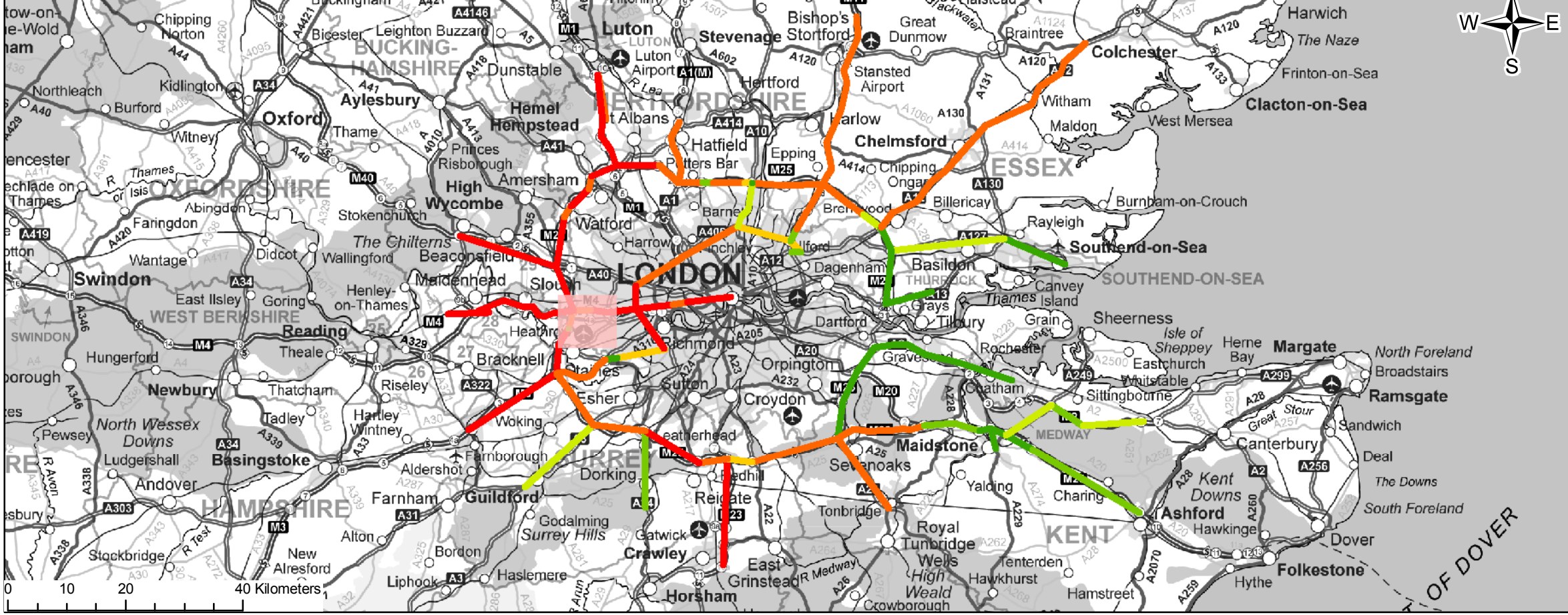
Scale @ A3: DO NOT SCALE

Jacobs No.: B4160007

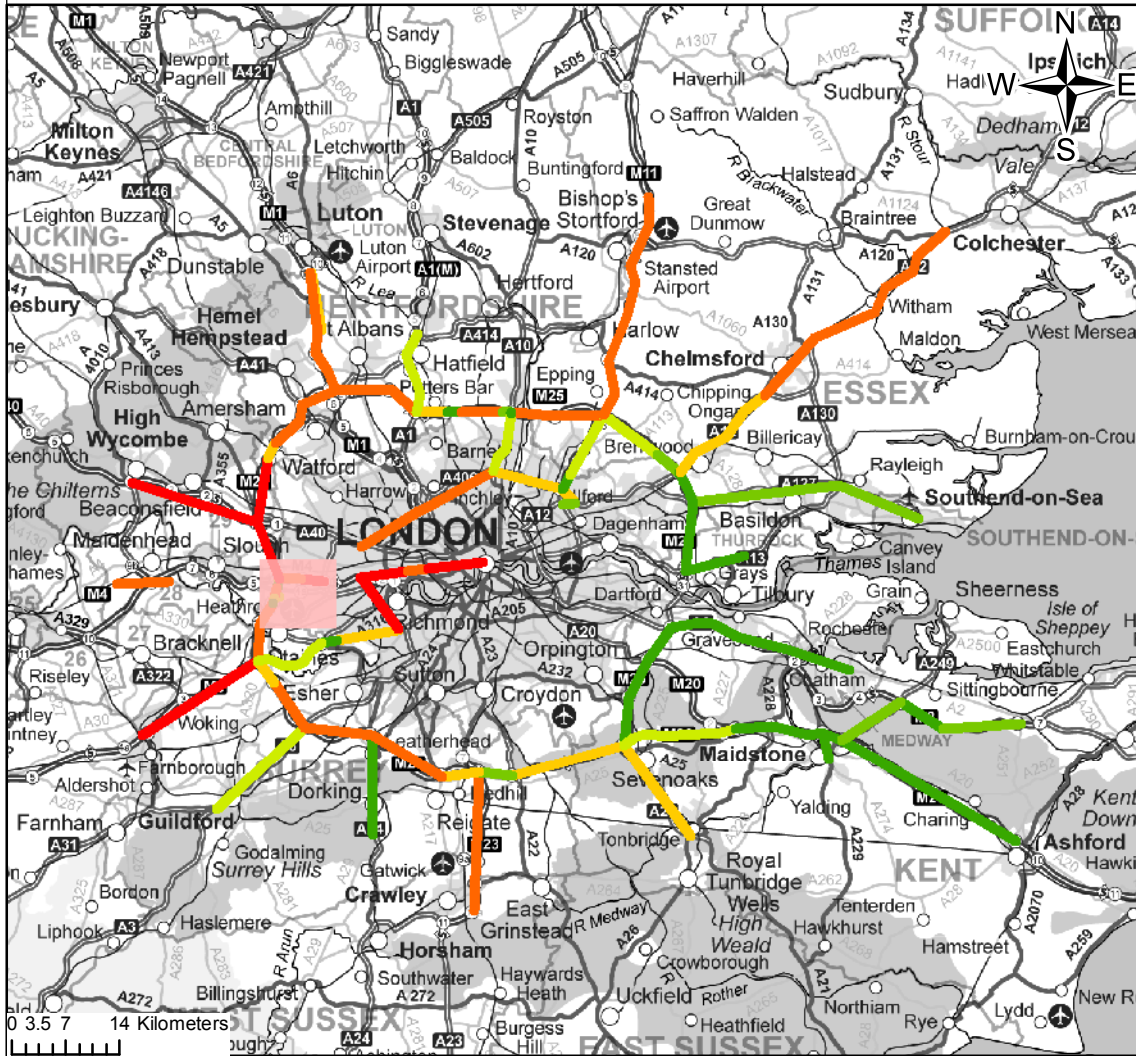
Drawing No.: B4160007_AQ_3

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Heathrow ENR Three Runways - Road Traffic - Airport Only NO_x Emissions (t/y)



Heathrow NWR Three Runways - Road Traffic - Airport Only PM₁₀ Emissions (t/y)



Heathrow NWR Three Runways - Road Traffic - Airport Only PM_{2.5} Emissions (t/y)

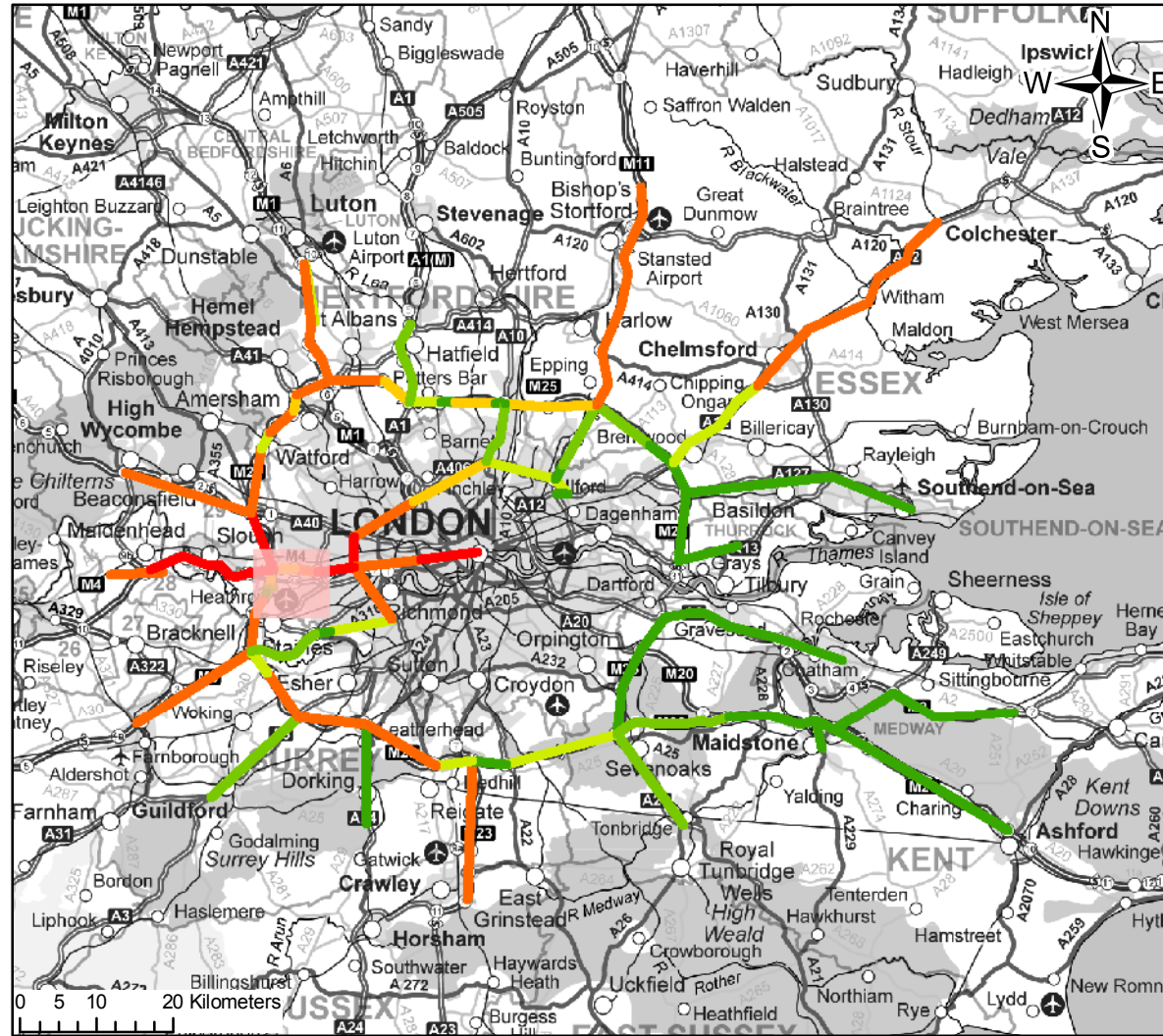


FIGURE 2

Legend

**Road Traffic - Airport Only
DS PM₁₀ and PM_{2.5}**

- 0.0 - 50.0
- 50.1 - 100.0
- 100.1 - 150.0
- 150.1 - 250.0
- 250.1 - 1000.0
- 1000.1 - 2000.0

**Road Traffic - Airport Only
DS NO_x**

- 0 - 250
- 251 - 500
- 501 - 750
- 751 - 1000
- 1001 - 5000
- 5001 - 40000

Heathrow NWR Study Area

The emissions estimates on a link-by-link basis are indicative and will be refined within the stage 2 assessment.

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Client
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Commission

Project
**AIRPORTS COMMISSION
AQ National and Local: Impact Assessment**

Drawing Title
**Heathrow Airport Northwest Runway (Heathrow NWR)
Three Runways Road Traffic - Airport Only
NO_x, PM₁₀ and PM_{2.5} Emissions (t/y)**

Drawing Status: Final

Scale @ A3: DO NOT SCALE

Jacobs No.: B4160007

Client No.: B4160007_AQ_2

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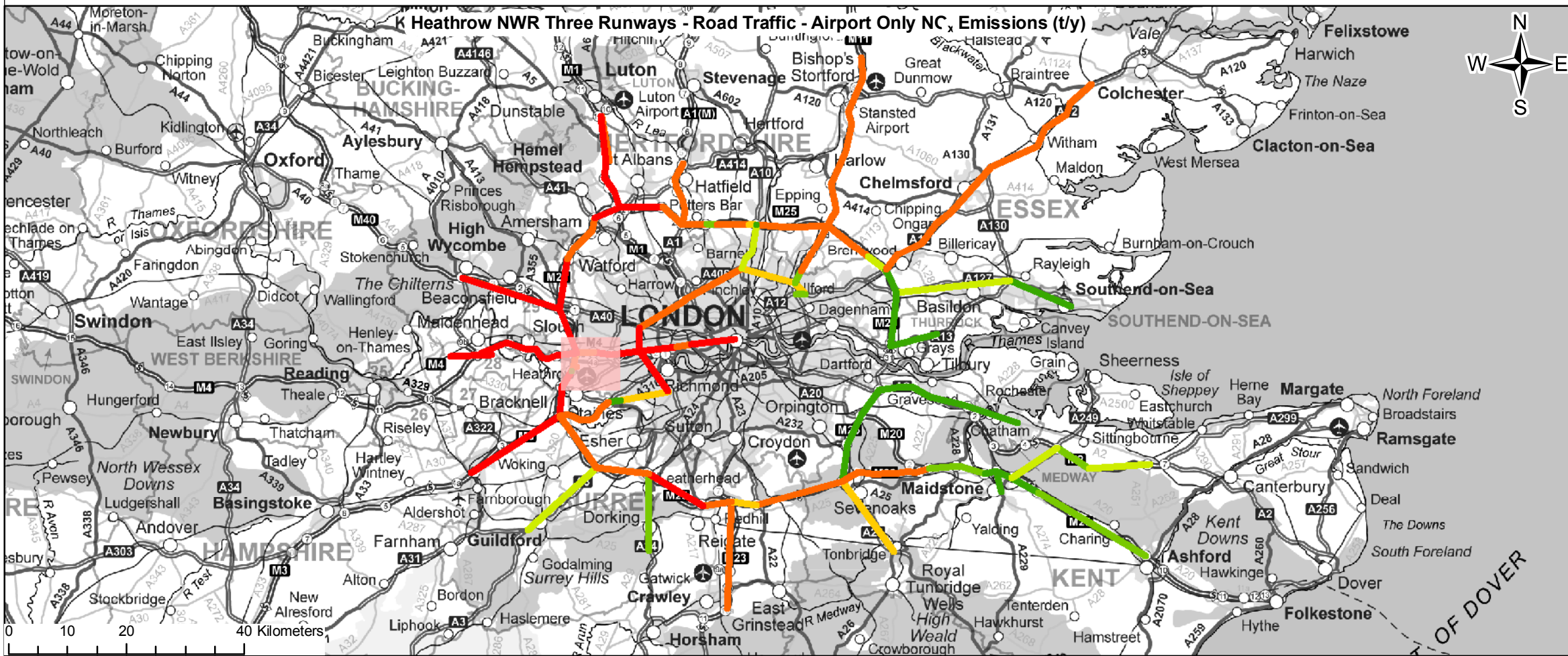


FIGURE 4

Legend

2030 Pollution Climate Mapping

NO₂ (µg/m³)

30.1 - 35.0

35.1 - 40.0

40.1 - 50.0

Gatwick Study Area

<30	Below Limit Value
30-35	Low Risk to Limit Value
35-40	High Risk to Limit Value
>40	Exceeding Limit Value

NO₂ EU Limit Value = 40µg/m³

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Client: **Airports Commission**

Project: **AIRPORTS COMMISSION AQ BASELINE**

Drawing Title: **2030 Pollution Climate Mapping (PCM) NO₂ Modelled Results Within Gatwick Airport Second Runway (Gatwick R2)**

Drawing Status: **Final**

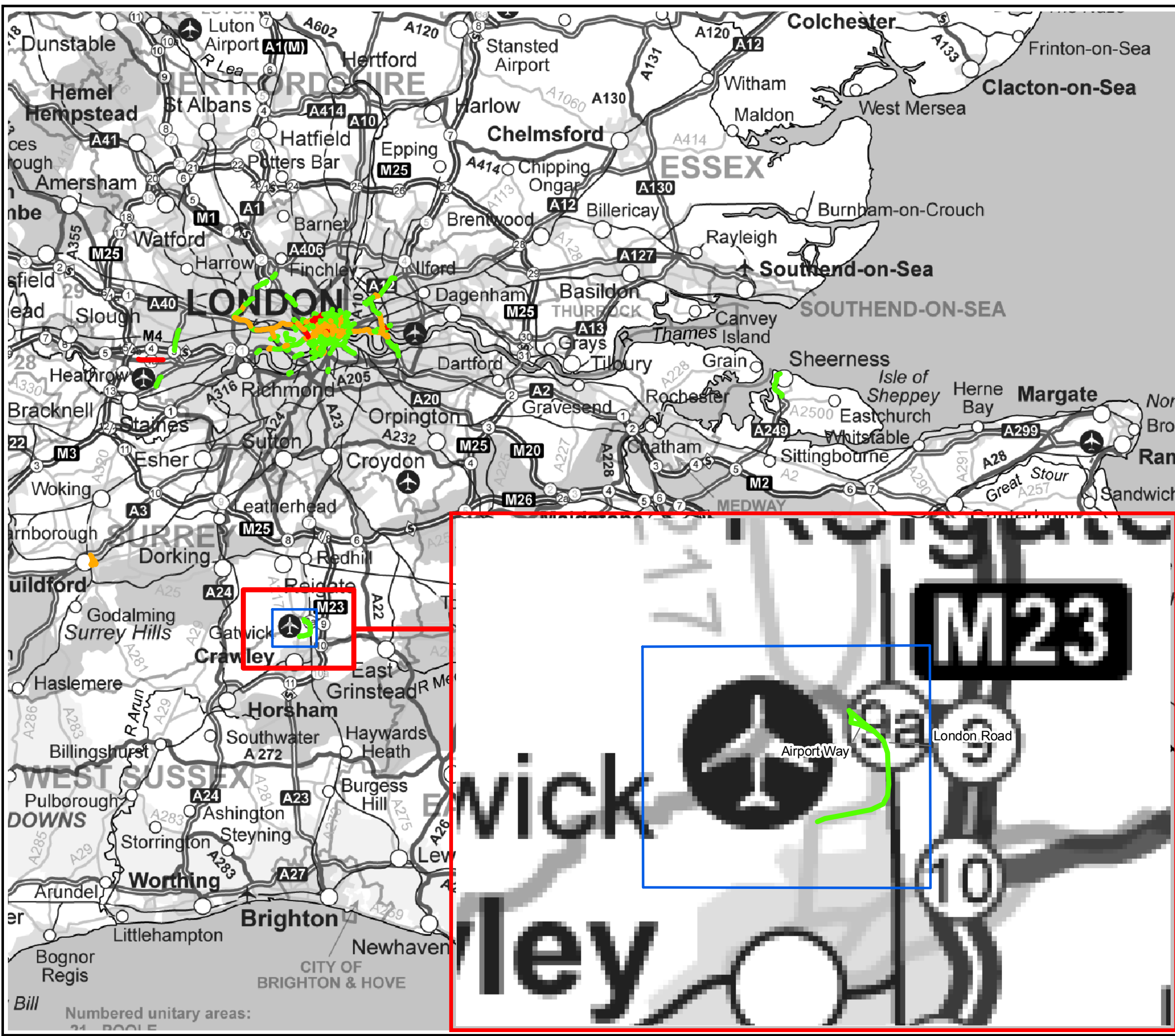
Scale @ A3: **DO NOT SCALE**

Jacobs No.: **B4160007**

Client No.: **B4160007**

Drawing No.: **B4160007_AQ_4**

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Bill Numbered unitary areas: 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100

FIGURE 5

Legend

2030 Pollution Climate Mapping

NO₂ (µg/m³)

- 28.9 - 30.0
- 30.1 - 35.0
- 35.1 - 40.0
- 40.1 - 50.0
- Heathrow NWR Study Area

<30	Below Limit Value
30-35	Low Risk to Limit Value
35-40	High Risk to Limit Value
>40	Exceeding Limit Value

NO₂ EU Limit Value = 40µg/m³

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Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd



Client: **Airports Commission**

Project: **AIRPORTS COMMISSION AQ BASELINE**

Drawing Title: **2030 Pollution Climate Mapping (PCM) NO₂ Modelled Results Within Heathrow Airport Northwest Runway (Heathrow NWR) Study Area**

Drawing Status: **Final** DO NOT SCALE

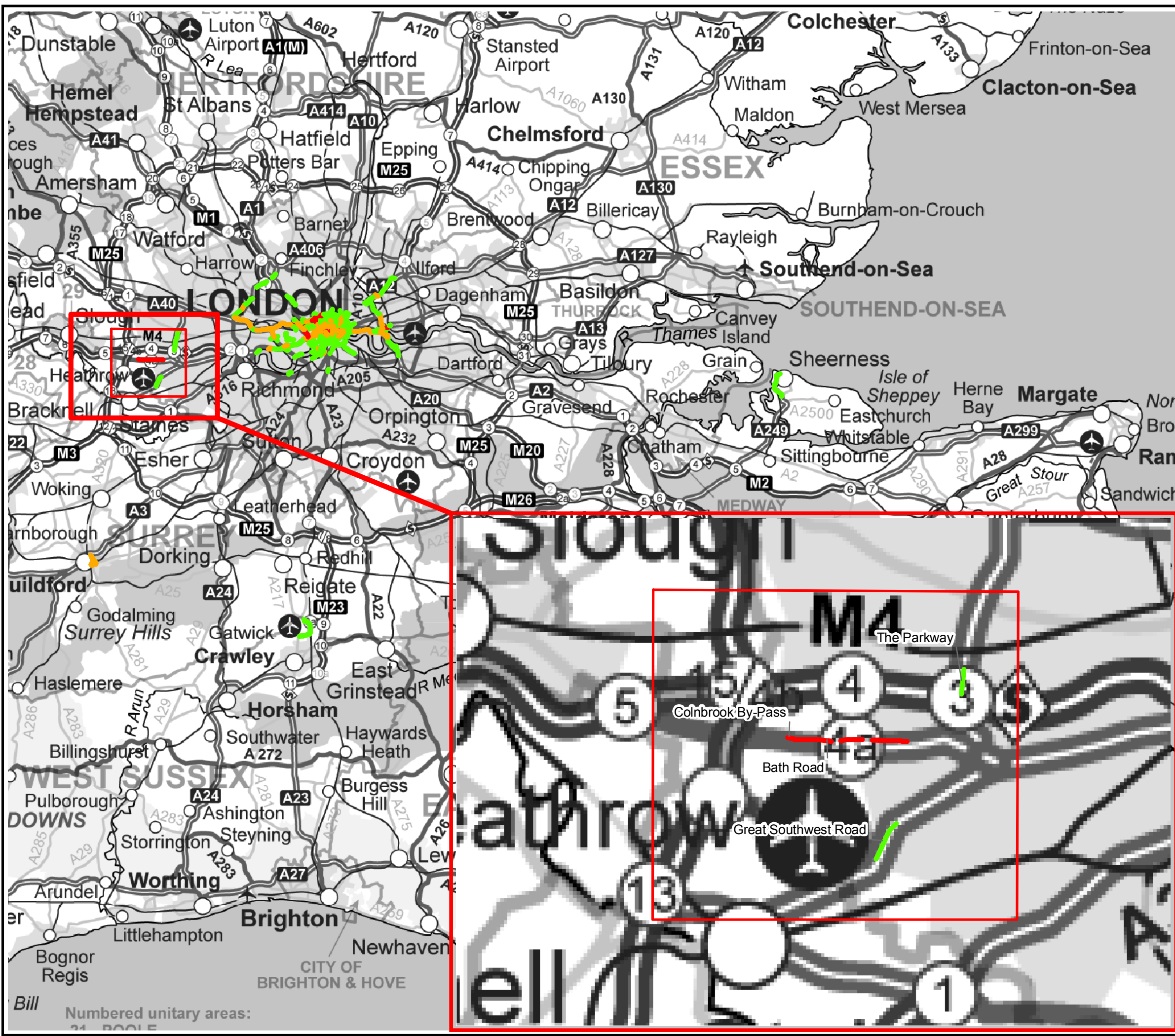
Scale @ A3: B4160007

Jacobs No.: B4160007

Client No.:

Drawing No.: B4160007_AQ_5

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Bill Numbered unitary areas: 24, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100

FIGURE 6

Legend

2030 Pollution Climate Mapping

NO₂ (µg/m³)

- 28.9 - 30.0
- 30.1 - 35.0
- 35.1 - 40.0
- 40.1 - 50.0
- Heathrow ENR Study Area

<30	Below Limit Value
30-35	Low Risk to Limit Value
35-40	High Risk to Limit Value
>40	Exceeding Limit Value

NO₂ EU Limit Value = 40µg/m³

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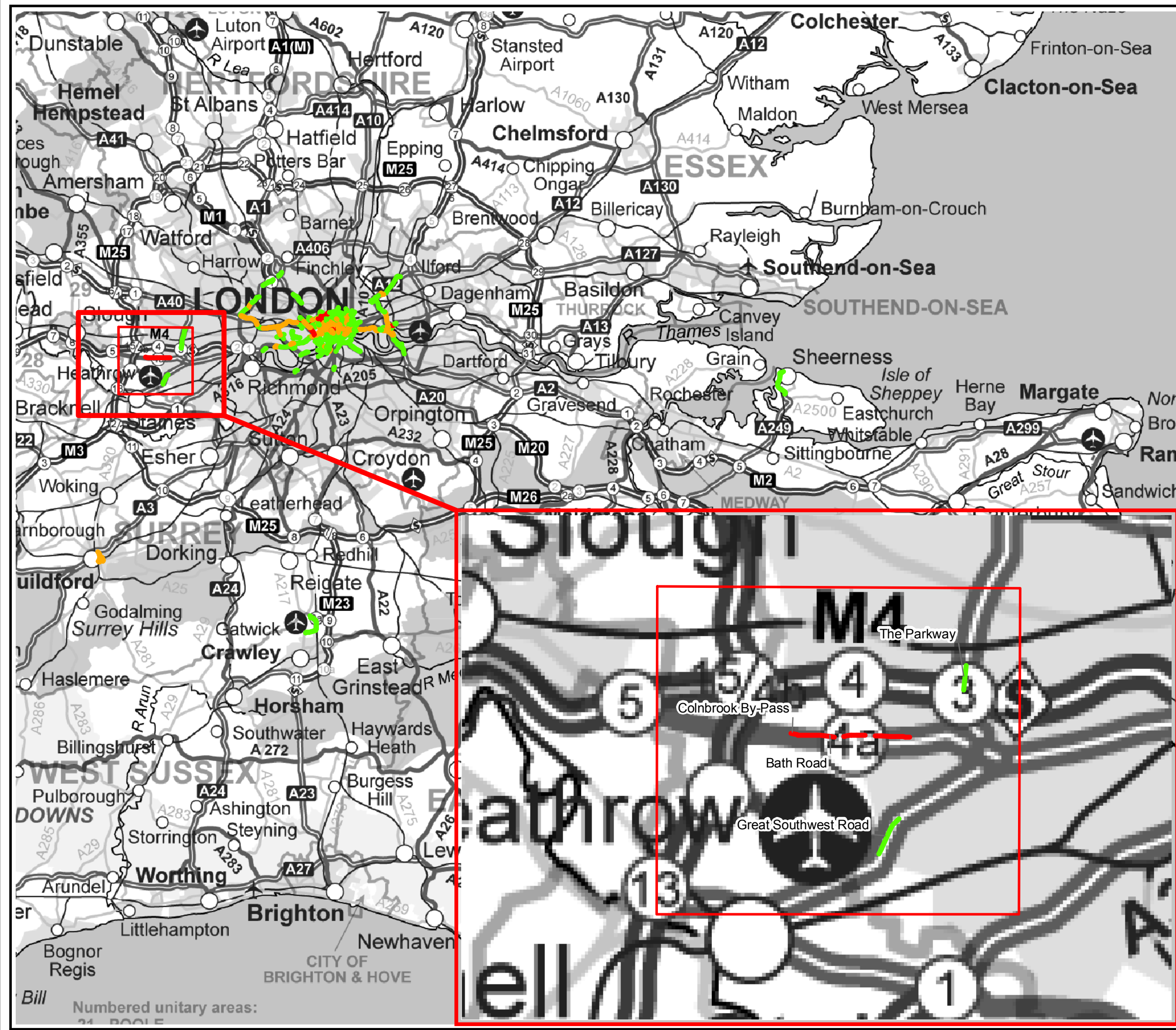
Project: **AIRPORTS COMMISSION AQ BASELINE**

Drawing Title: **2030 Pollution Climate Mapping (PCM) NO₂ Modelled Results Within Heathrow Airport Extended Northern Runway (Heathrow ENR) Study Area**

Drawing Status: **Final** Scale @ A3: **DO NOT SCALE**

Jacobs No.: B4160007 Client No.: Drawing No.: B4160007_AQ_6

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Bill Numbered unitary areas: 24 BOOLE

FIGURE 7

Legend

Monitoring Data Projected to 2030

NO₂ (µg/m³)

- 0.0 - 30.0
- 30.1 - 35.0
- 35.1 - 40.0
- 40.1 - 59.0

Gatwick Study Area

<30	Below AQO
30-35	Low Risk to AQO
35-40	High Risk to AQO
>40	Exceeding AQO

NO₂ Air Quality Objective (AQO) = 40µg/m³

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Client: Airports Commission

Project: AIRPORTS COMMISSION
AQ BASELINE

Drawing Title: NO₂ Projected to 2030
Within Gatwick Airport Second Runway
(Gatwick 2R) Study Area

Drawing Status: Final DO NOT SCALE

Scale @ A3: DO NOT SCALE
 Jacobs No.: B4160007
 Client No.:
 Drawing No.: B4160007_AQ_7

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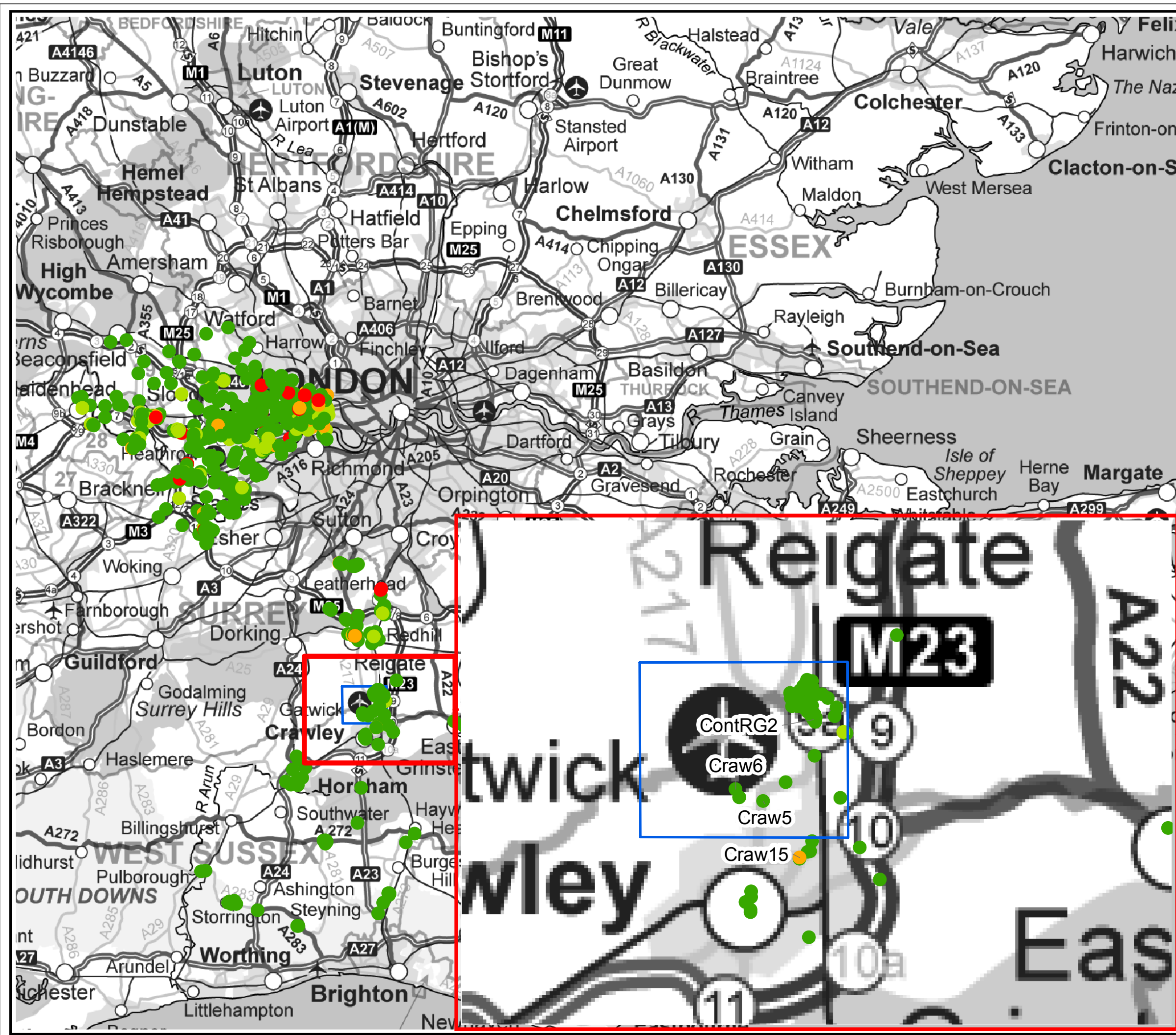


FIGURE 8

Legend

Monitoring Data Projected to 2030

NO₂ (µg/m³)

- 0.0 - 30.0
- 30.1 - 35.0
- 35.1 - 40.0
- 40.1 - 59.0

Heathrow NWR Study Area

<30	Below AQO
30-35	Low Risk to AQO
35-40	High Risk to AQO
>40	Exceeding AQO

NO₂ Air Quality Objective (AQO) = 40µg/m³

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Rev.	Date	Purpose of revision	Drawn	Check'd	Re'vd	Appr'd



Client: Airports Commission

Project: AIRPORTS COMMISSION
AQ BASELINE

Drawing Title: NO₂ Projected to 2030
Within Heathrow Airport Northwest Runway
(Heathrow NWR) Study Area

Drawing Status: Final

Scale @ A3		DO NOT SCALE
Jacobs No.	B4160007	
Client No.		
Drawing No.	B4160007_AQ_8	

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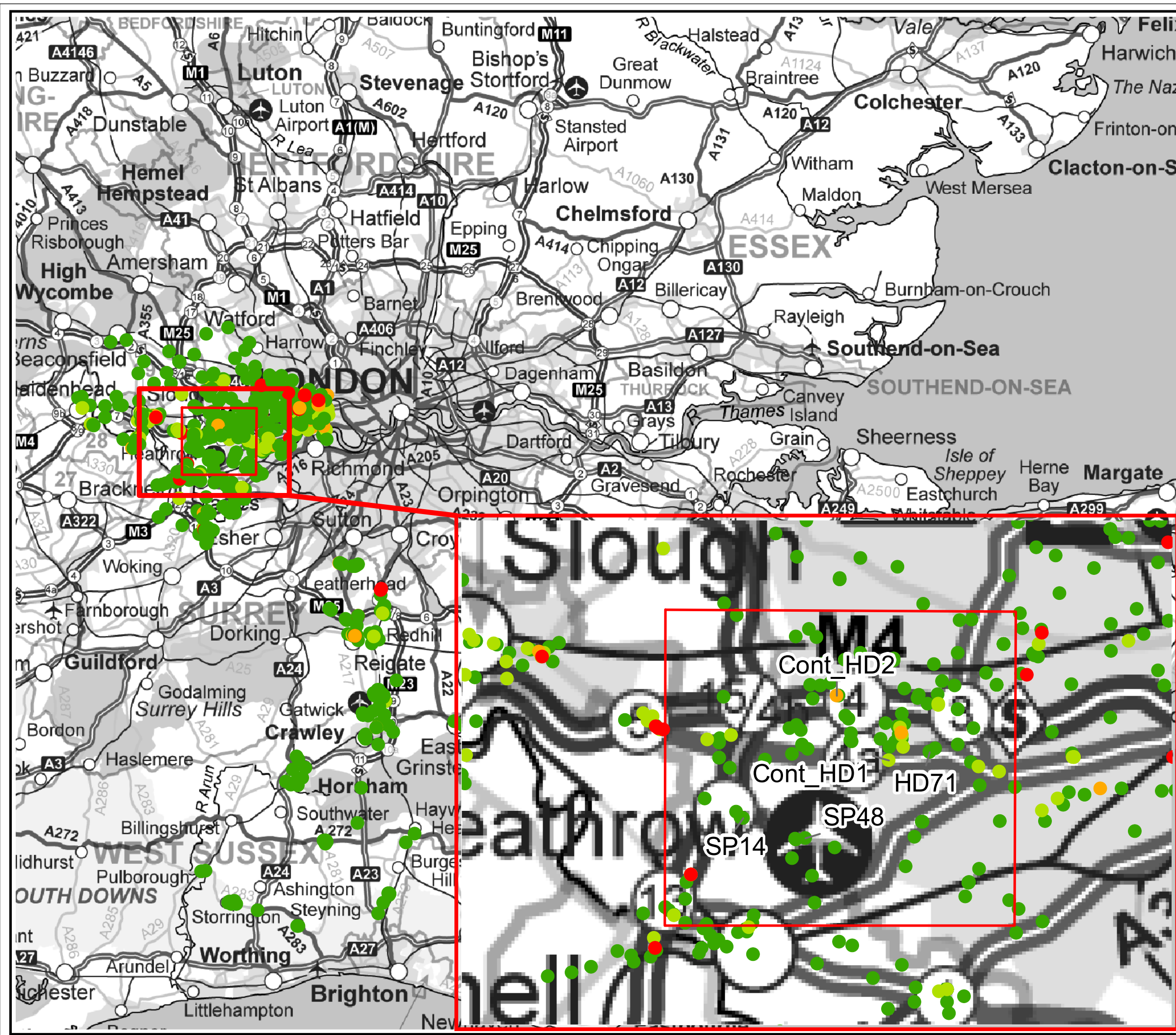
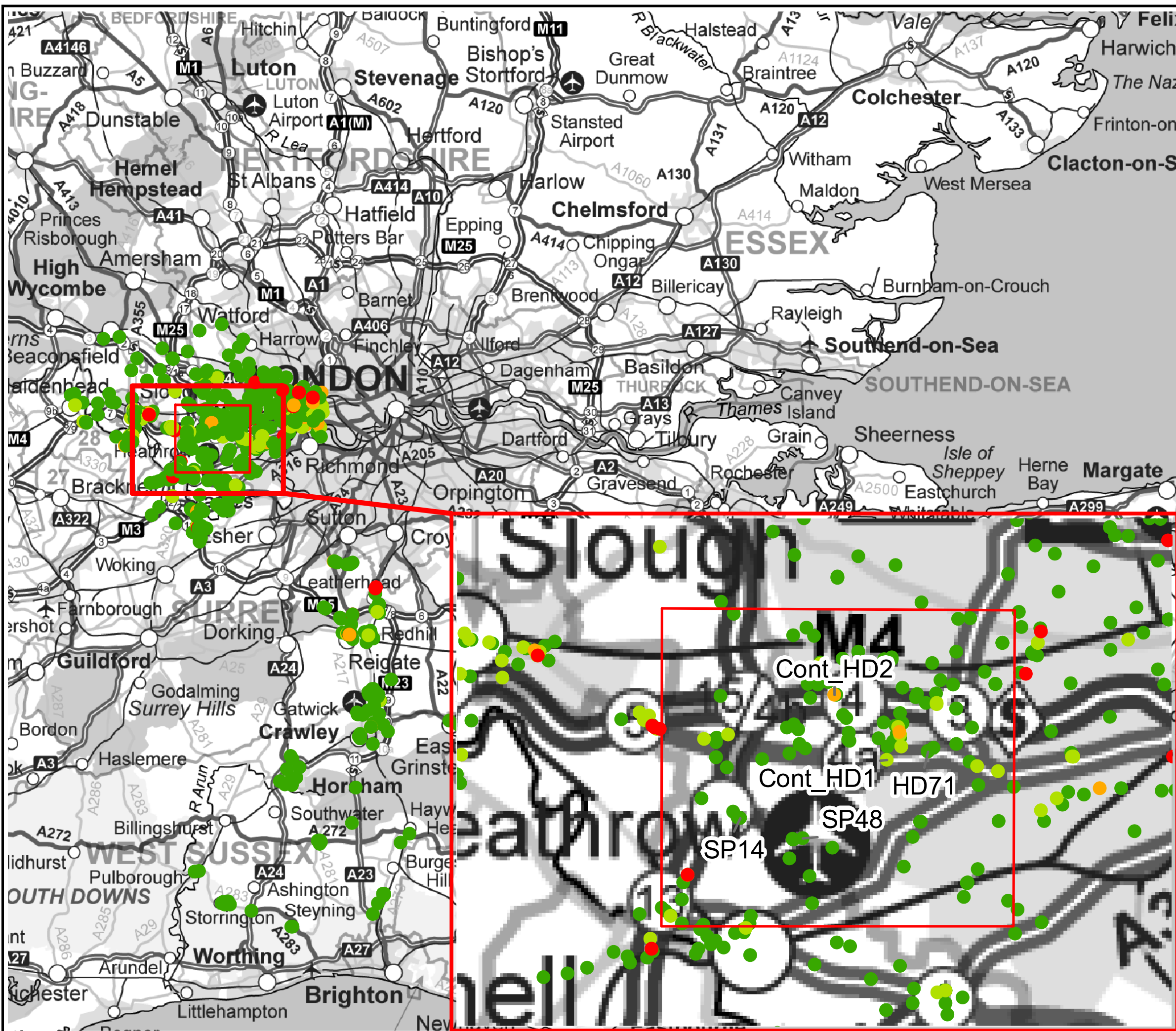


FIGURE 9



Legend

Monitoring Data Projected to 2030

NO₂ (µg/m³)

- 0.0 - 30.0
- 30.1 - 35.0
- 35.1 - 40.0
- 40.1 - 59.0

Heathrow ENR Study Area

<30	Below AQO
30-35	Low Risk to AQO
35-40	High Risk to AQO
>40	Exceeding AQO

NO₂ Air Quality Objective (AQO) = 40µg/m³

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Rev.	Date	Purpose of revision	Drawn	Check'd	Re'vd	Appr'd



Client: Airports Commission

Project: AIRPORTS COMMISSION
AQ BASELINE

Drawing Title: NO₂ Projected to 2030
Within Heathrow Airport Extended Northern Runway
(Heathrow ENR) Study Area

Drawing Status: Final

Scale @ A3		DO NOT SCALE
Jacobs No.	B4160007	
Client No.		
Drawing No.	B4160007_AQ_9	

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