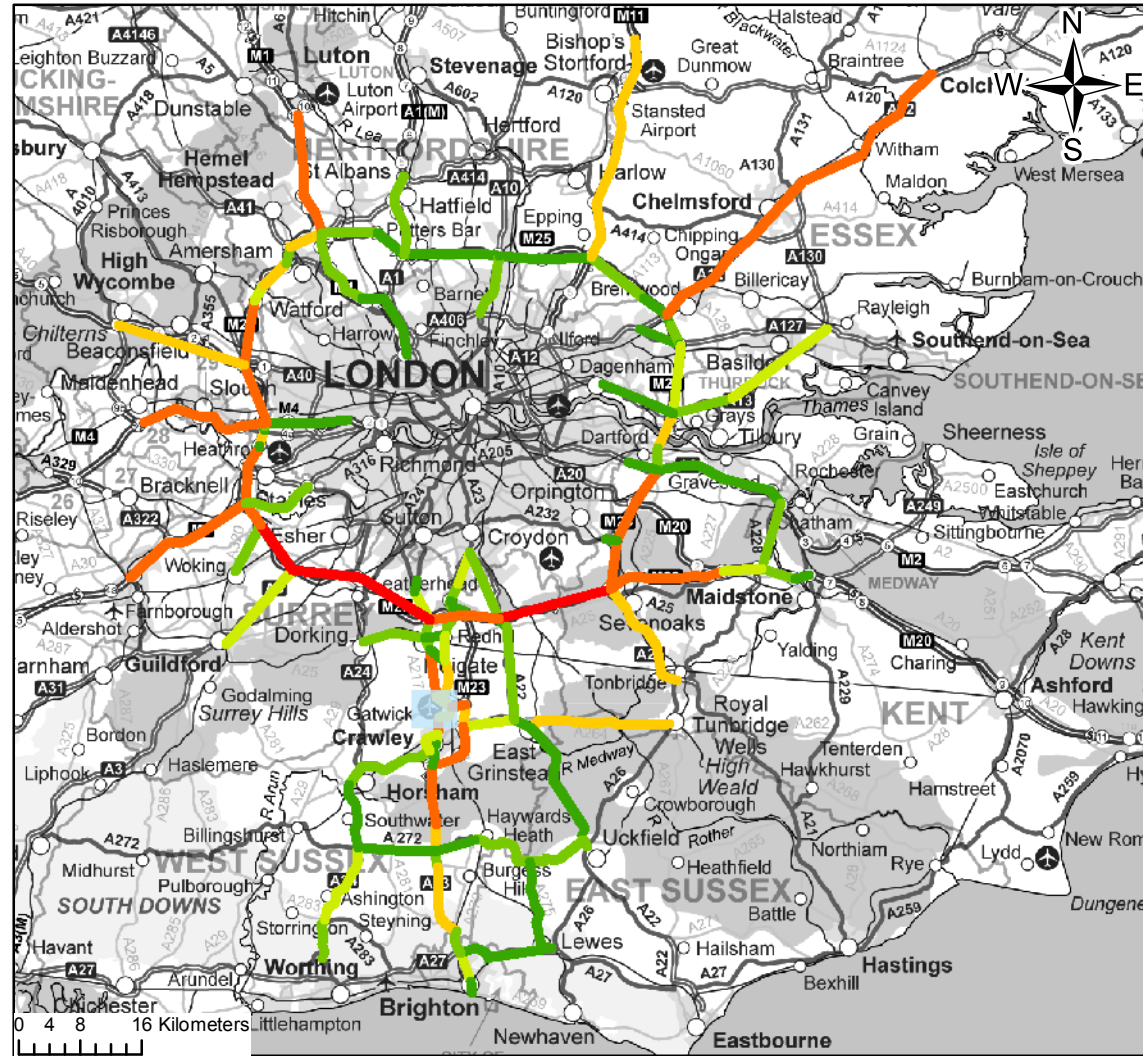


Gatwick no additional Runway - Road Traffic - Airport Only PM₁₀ Emissions (t/y)



Gatwick no additional Runway - Road Traffic - Airport Only PM_{2.5} Emissions (t/y)

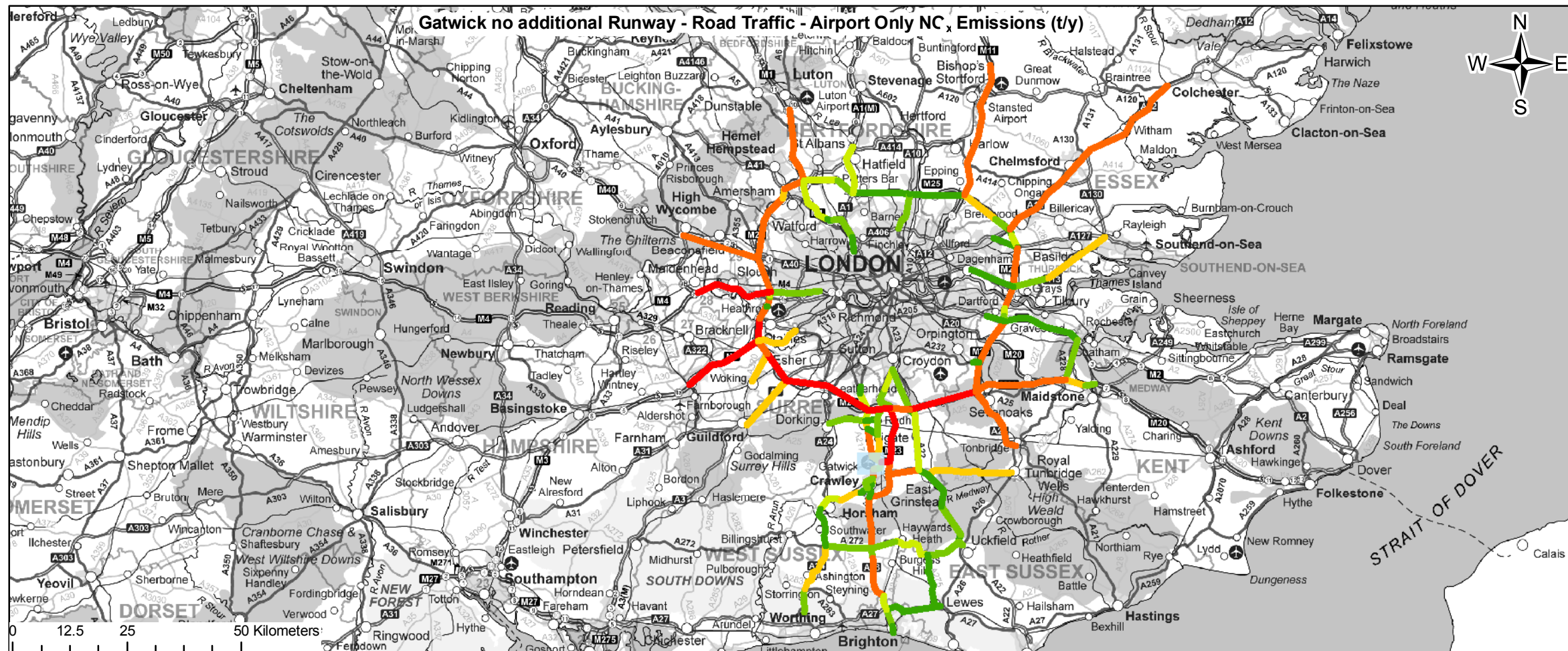
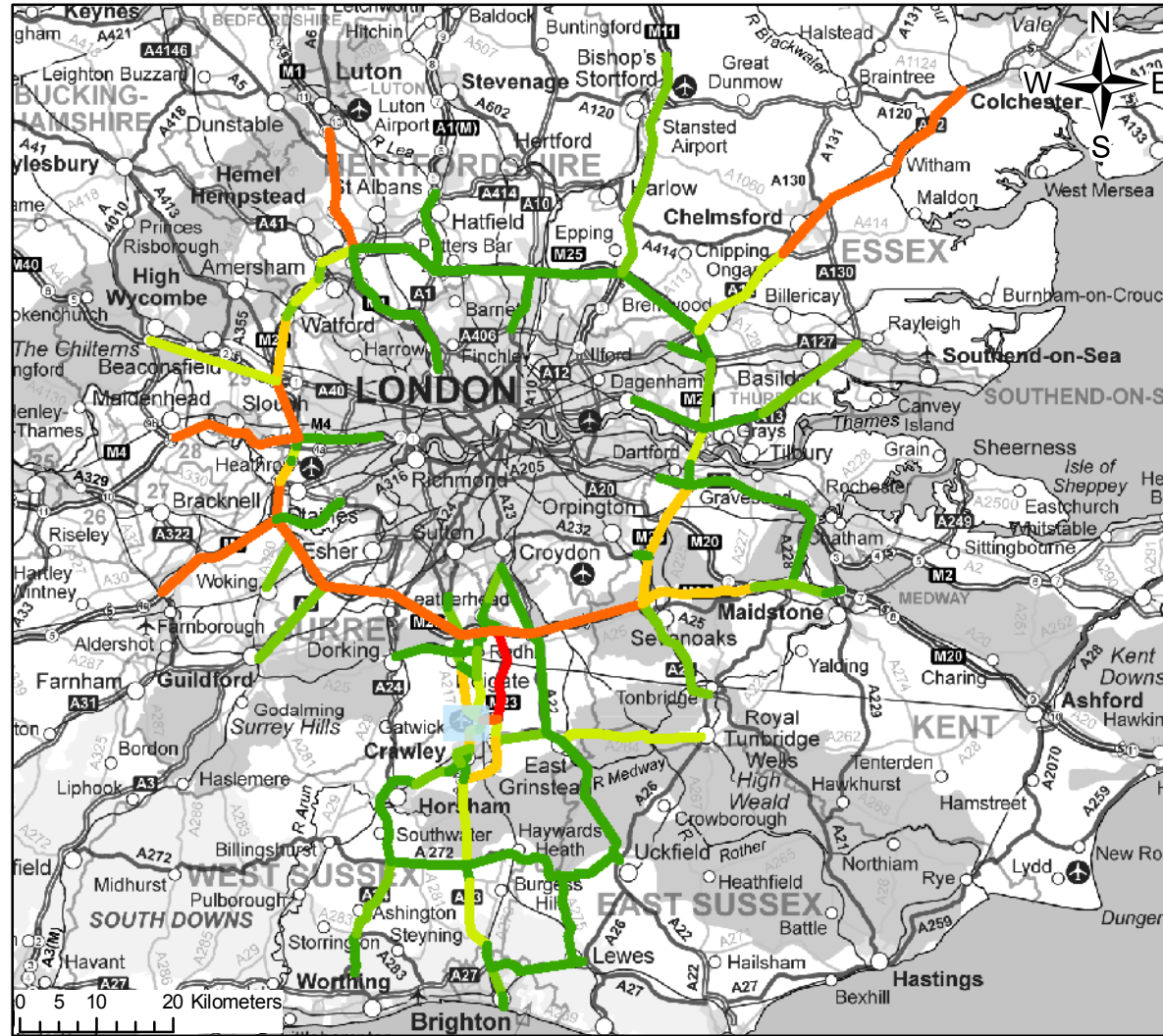


FIGURE 1

Legend

Road Traffic - Airport Only

DM NO_x

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

Road Traffic - Airport Only

DM 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

Gatwick Study Area

Contains Ordnance Survey data © Crown copyright and database right 2014

0	AUG 14	Initial Issue	TA	RB	MC	CT
Rev.	Date	Purpose of revision	Drawn	Check'd	Re'd	Appt'd



1 City Walk, Leeds, LS11 9DX, UK.
Tel: +44(0)113 242 6771 Fax: +44(0)113 389 1389
www.jacobs.com

Client: Airports Commission

Project: AIRPORTS COMMISSION
AQ BASELINE

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

Drawing Status: Final

Scale @ A3: DO NOT SCALE

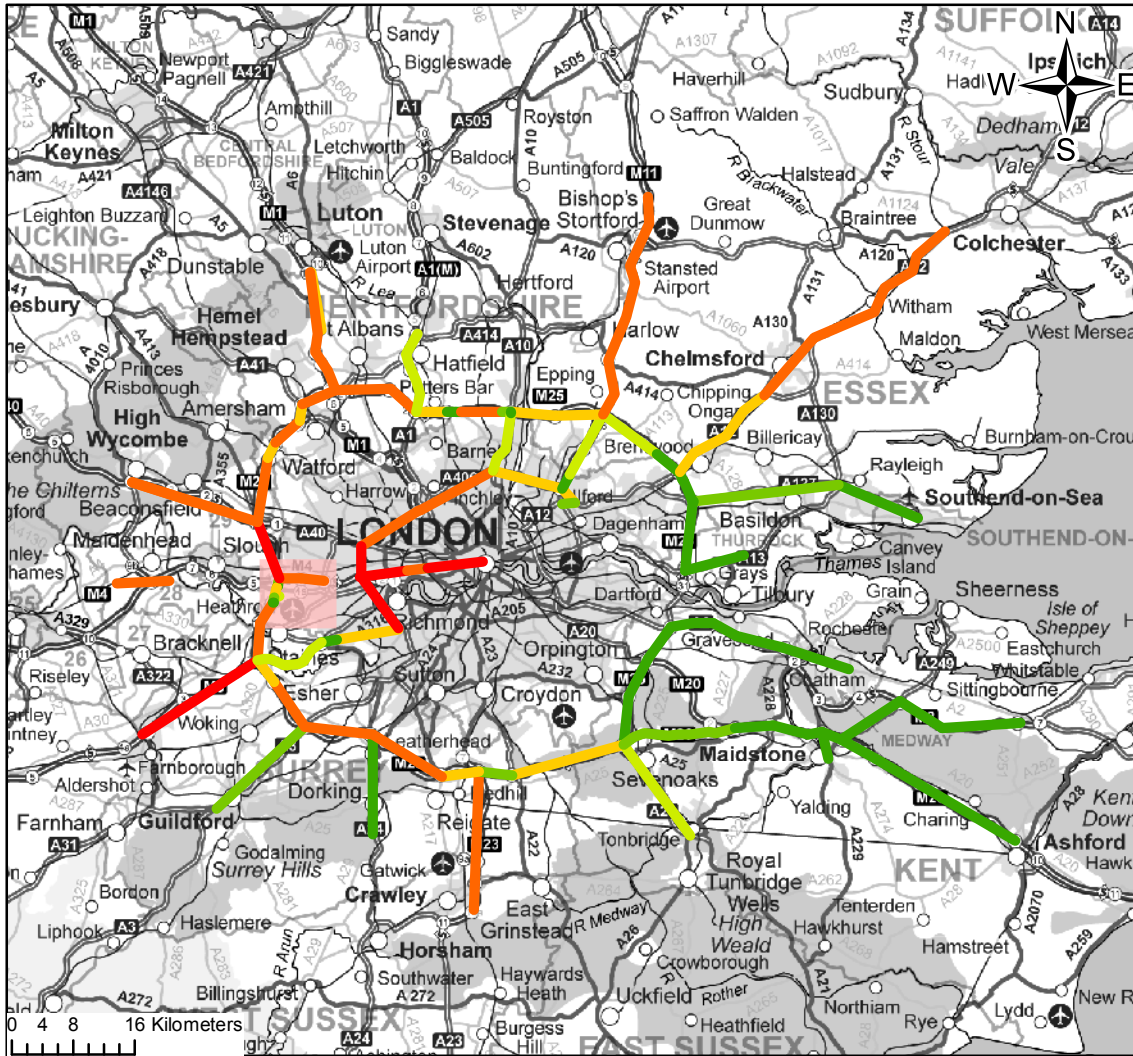
Jacobs No.: B4160007

Client No.:

Drawing No.: B4160007_AQ_2

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Heathrow NWR no additional Runway - Road Traffic - Airport Only PM₁₀ Emissions (t/y)



Heathrow NWR no additional Runway - Road Traffic - Airport Only PM_{2.5} Emissions (t/y)

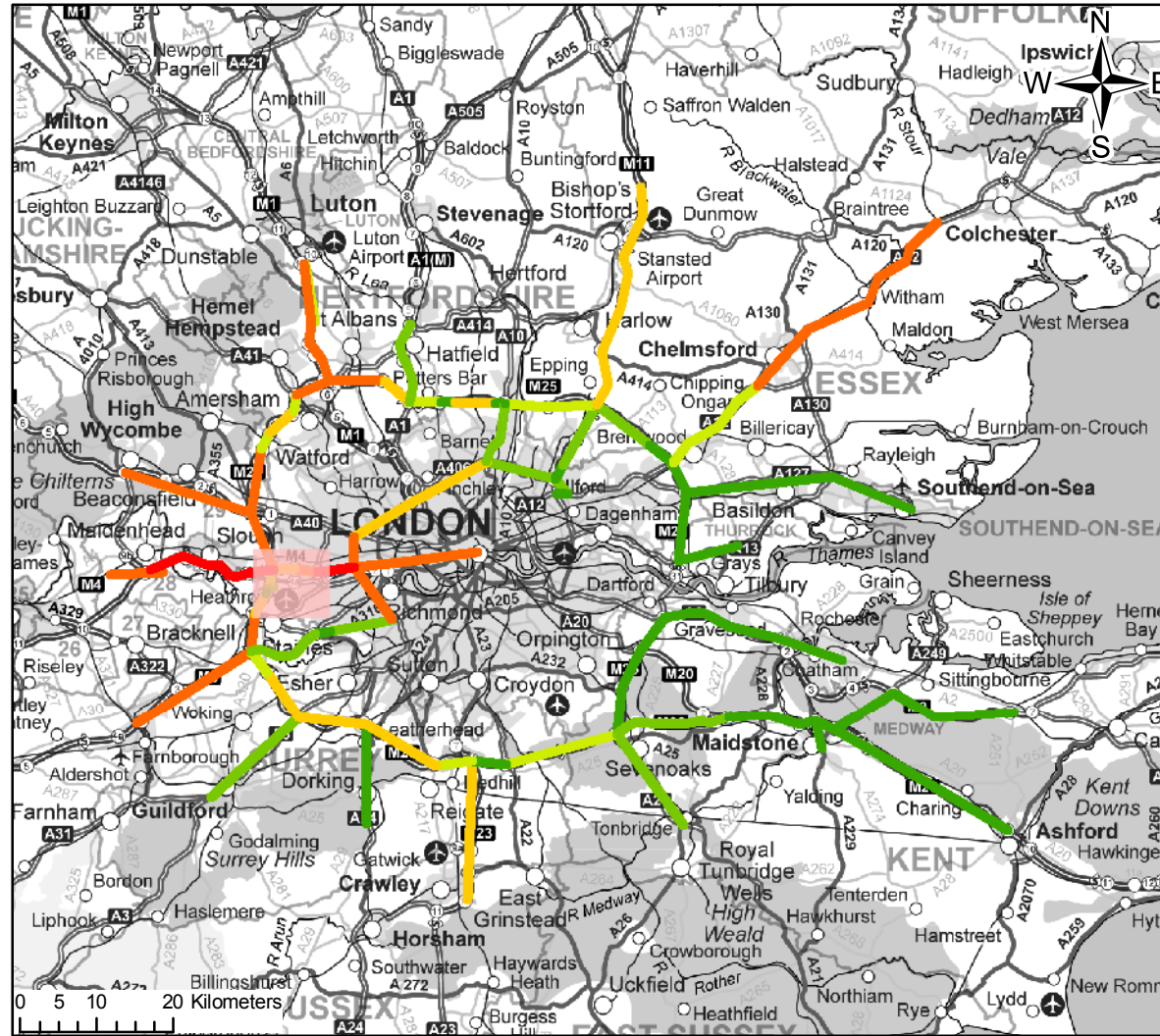


FIGURE 2

Legend

Road Traffic - Airport Only

DM NO_x

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

Road Traffic - Airport Only

DM 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

Heathrow NWR Study Area

Contains Ordnance Survey data © Crown copyright and database right 2014

0	AUG 14	Initial Issue	TA	RB	MC	CT
Rev.	Date	Purpose of revision	Drawn	Check'd	Re'vd	Appr'd



1 City Walk, Leeds, LS11 9DX, UK.
Tel: +44(0)113 242 6771 Fax: +44(0)113 389 1389
www.jacobs.com

Client: **Airports Commission**

Project: **AIRPORTS COMMISSION AQ BASELINE**

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

Drawing Status: **Final**

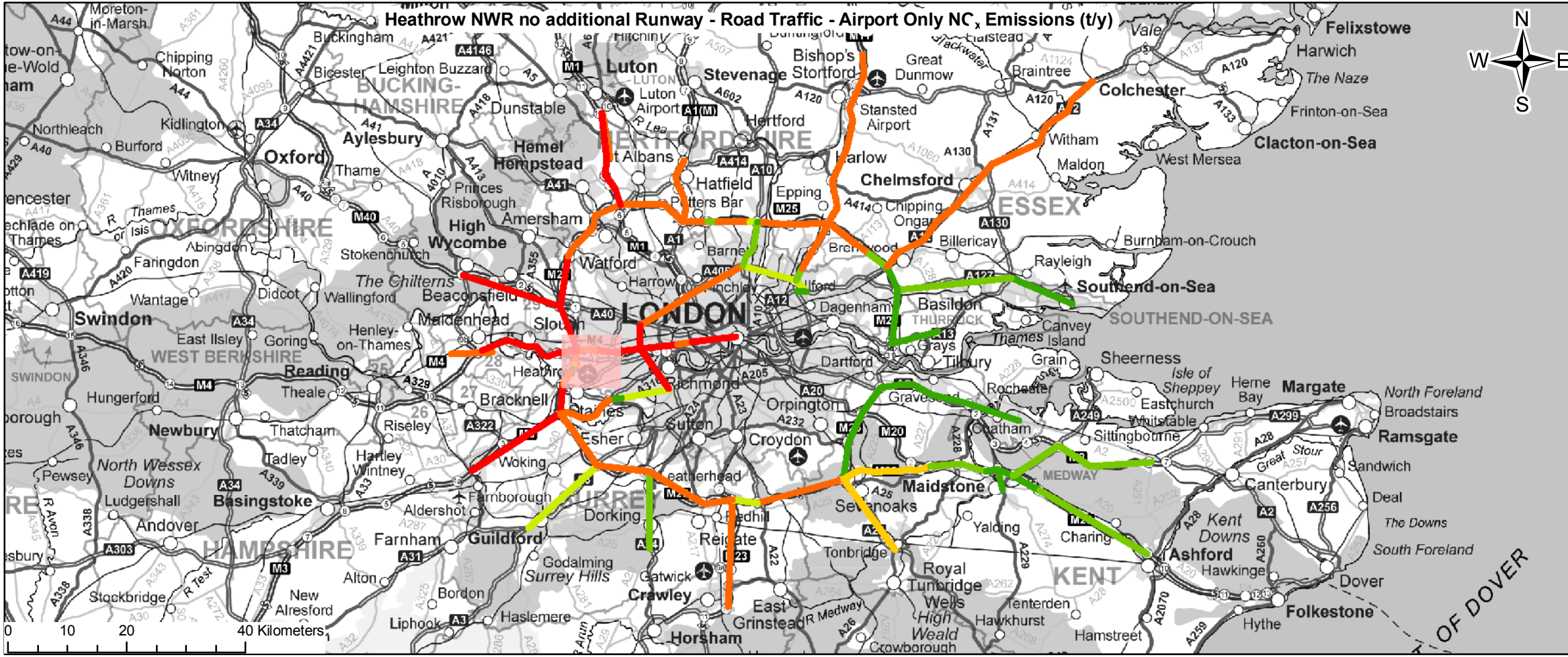
Scale @ A3: **DO NOT SCALE**

Jacobs No.: **B4160007**

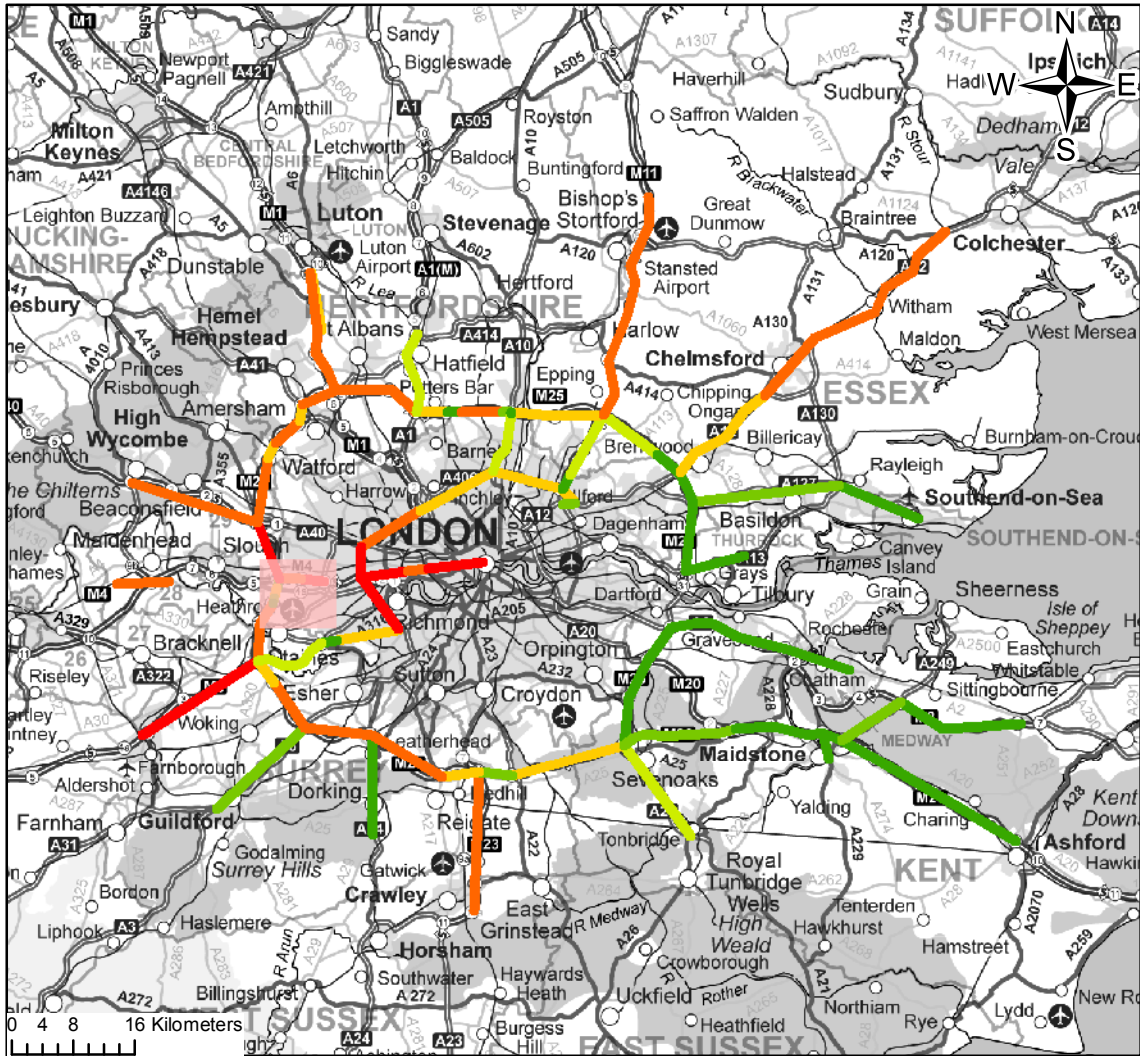
Client No.: **B4160007_AQ_2**

Drawing No.: **B4160007_AQ_2**

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.



Heathrow ENR no additional Runway - Road Traffic - Airport Only PM₁₀ Emissions (t/y)



Heathrow ENR no additional Runway - Road Traffic - Airport Only PM_{2.5} Emissions (t/y)

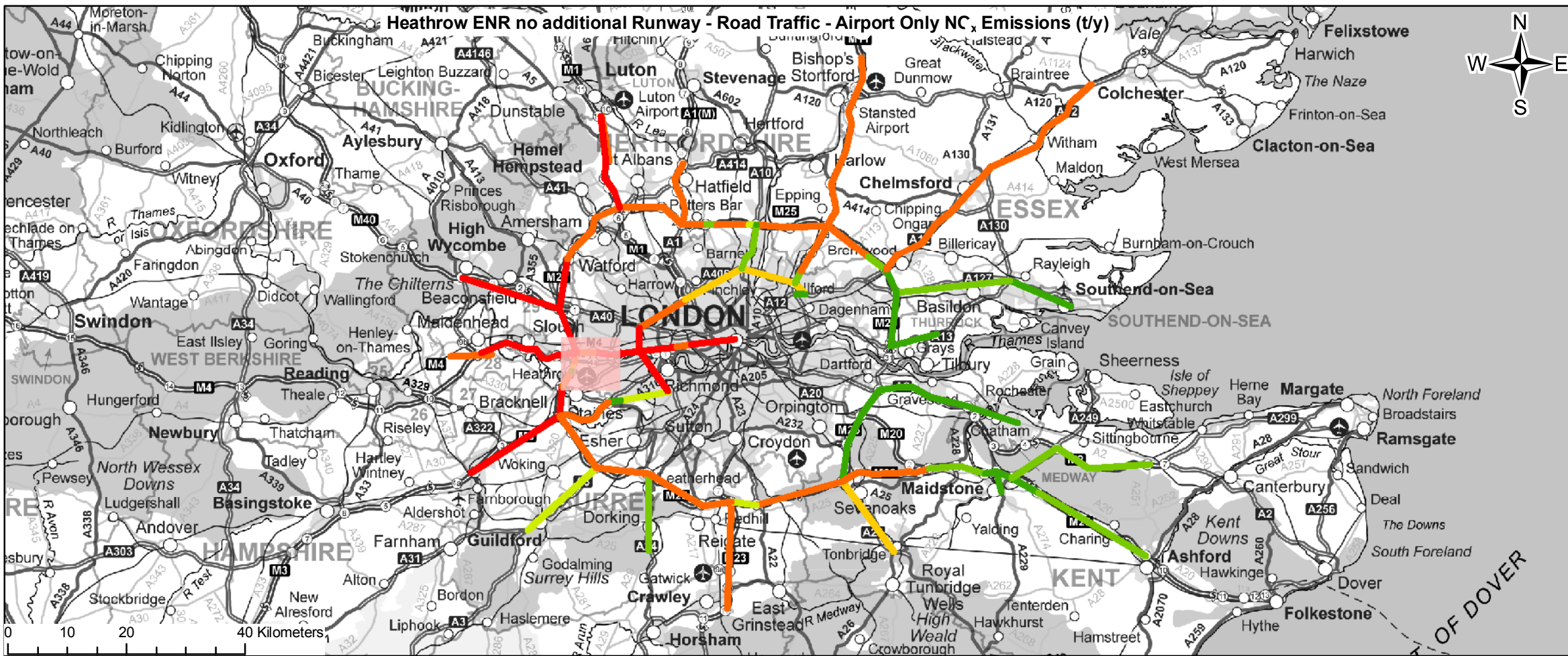
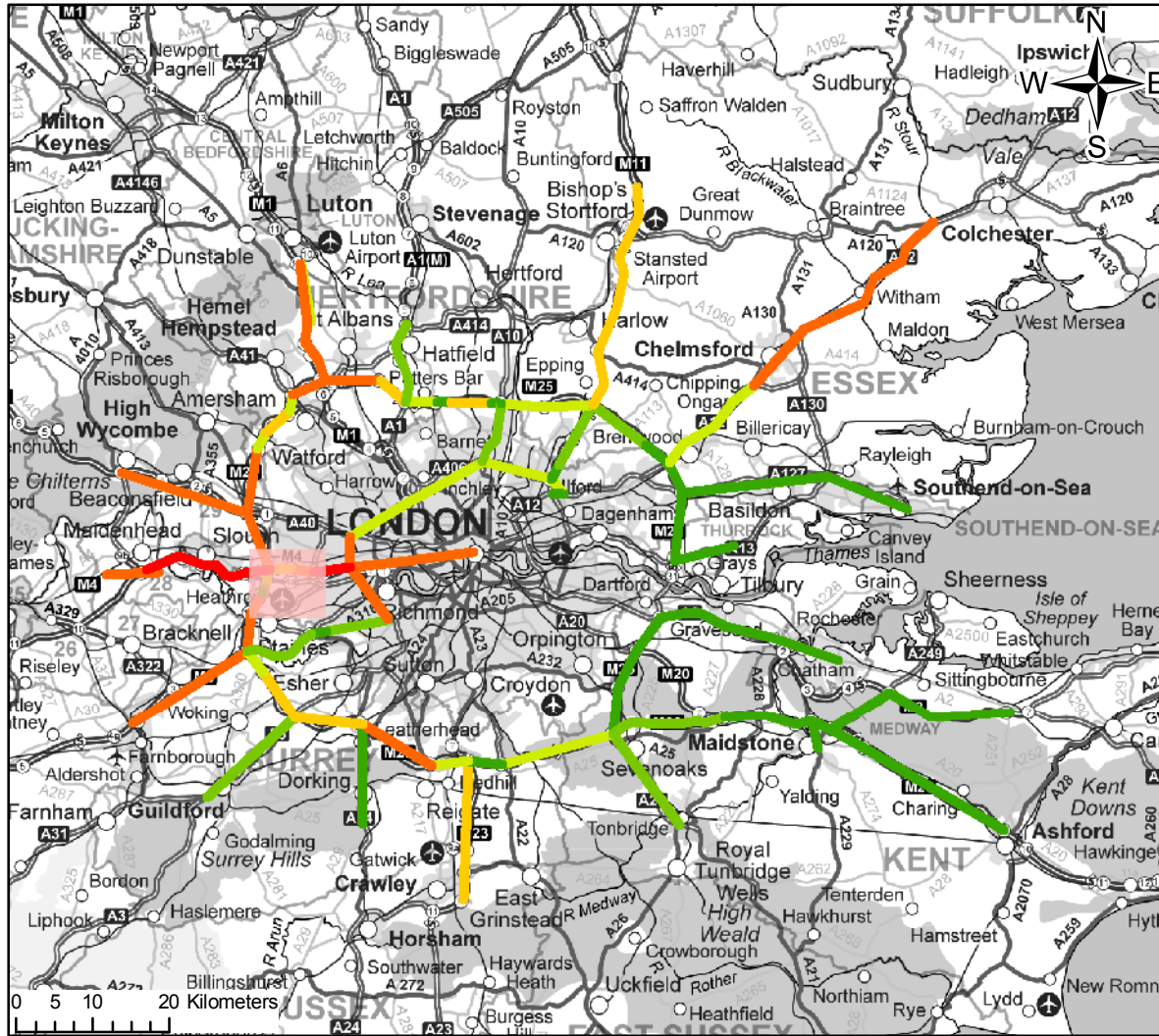


FIGURE 3

Legend

Road Traffic - Airport Only

DM NO_x

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

Road Traffic - Airport Only

DM 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

Heathrow ENR Study Area

Contains Ordnance Survey data © Crown copyright and database right 2014

0	AUG 14	Initial Issue	TA	RB	MC	CT
Rev.	Date	Purpose of revision	Drawn	Check'd	Re'vd	Appr'd



Client: **Airports Commission**

Project: **AIRPORTS COMMISSION AQ BASELINE**

Drawing Title: **Heathrow Airport Extended Northern Runway (Heathrow ENR) Two 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_3

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

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

Contains Ordnance Survey data © Crown copyright and database right 2014

0	AUG 14	Initial Issue	TA	RB	MC	CT
Rev.	Date	Purpose of revision	Drawn	Check'd	Re'vd	Appr'd



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**

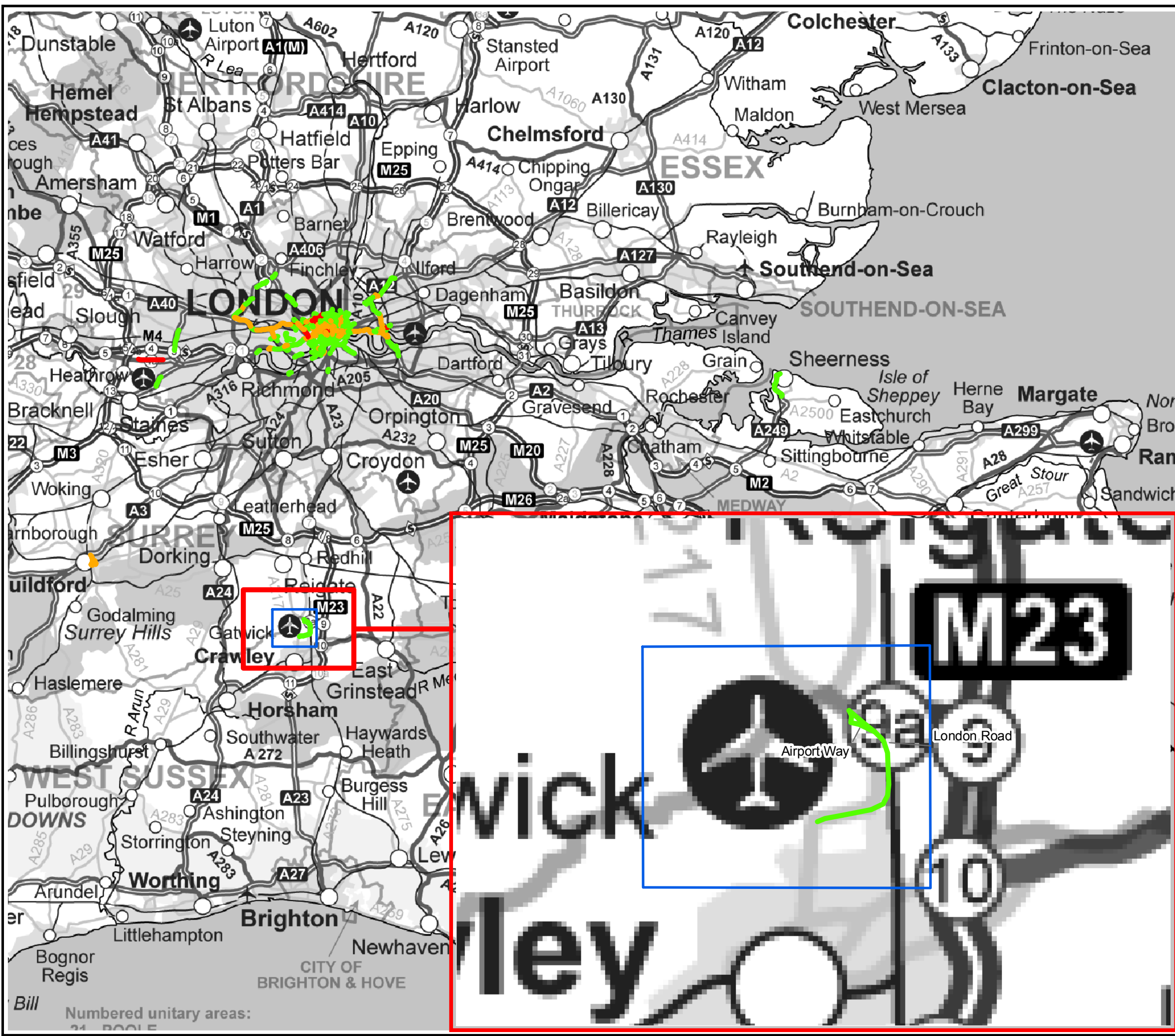
Scale @ A3: **DO NOT SCALE**

Jacobs No.: **B4160007**

Client No.: **B4160007**

Drawing No.: **B4160007_AQ_4**

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.



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

Contains Ordnance Survey data © Crown copyright and database right 2014

0	AUG 14	Initial Issue	TA	RB	MC	CT
Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd



Client: **Airports Commission**

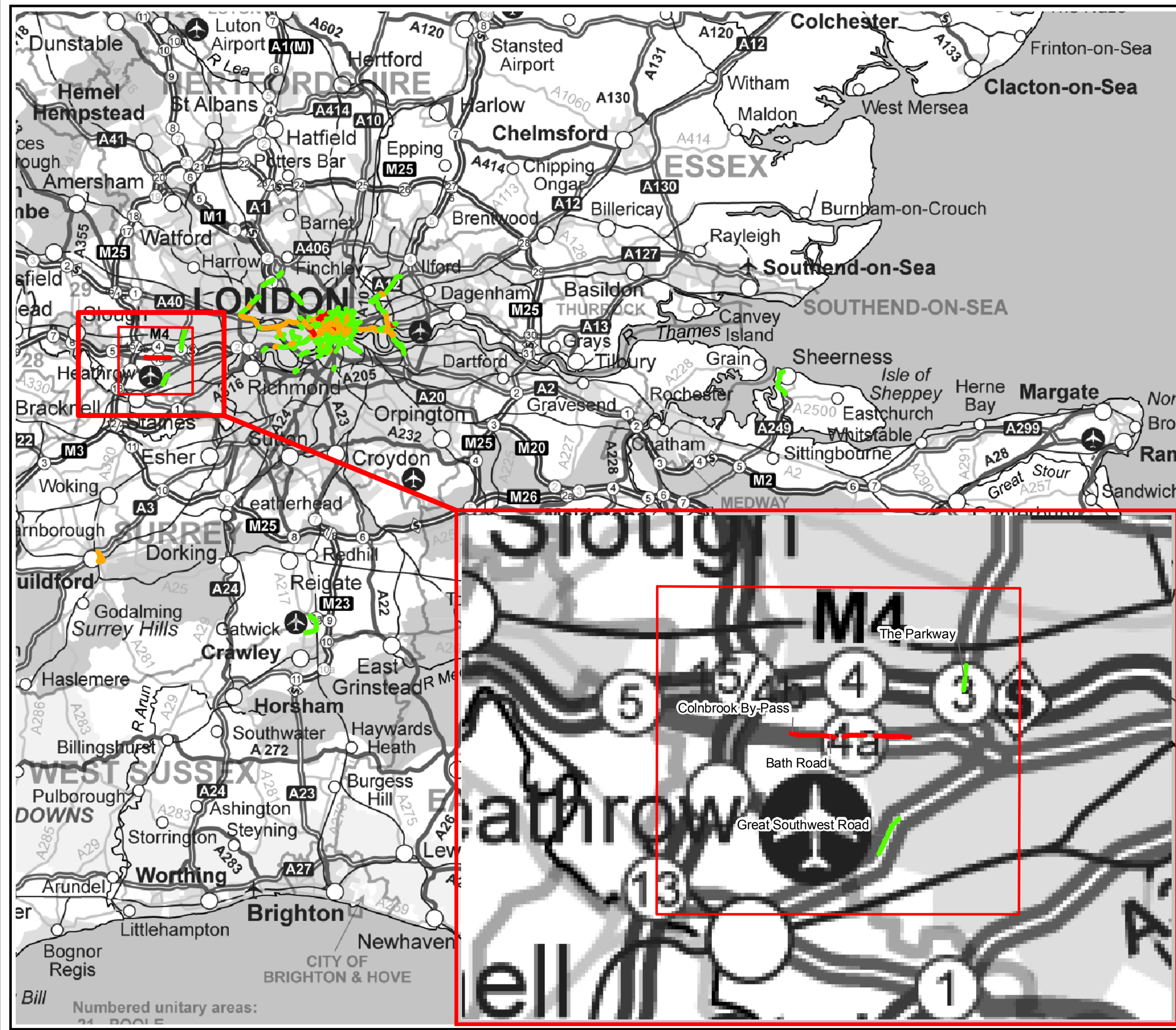
Project: **AIRPORTS COMMISSION AQ BASELINE**

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

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

Jacobs No.: B4160007 Client No.: Drawing No.: B4160007_AQ_5

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.



Bill Numbered unitary areas: 24 BOOLE

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

Contains Ordnance Survey data © Crown copyright and database right 2014

0	AUG 14	Initial Issue	TA	RB	MC	CT
Rev.	Date	Purpose of revision	Drawn	Check'd	Re'vd	Appr'd



Client: **Airports Commission**

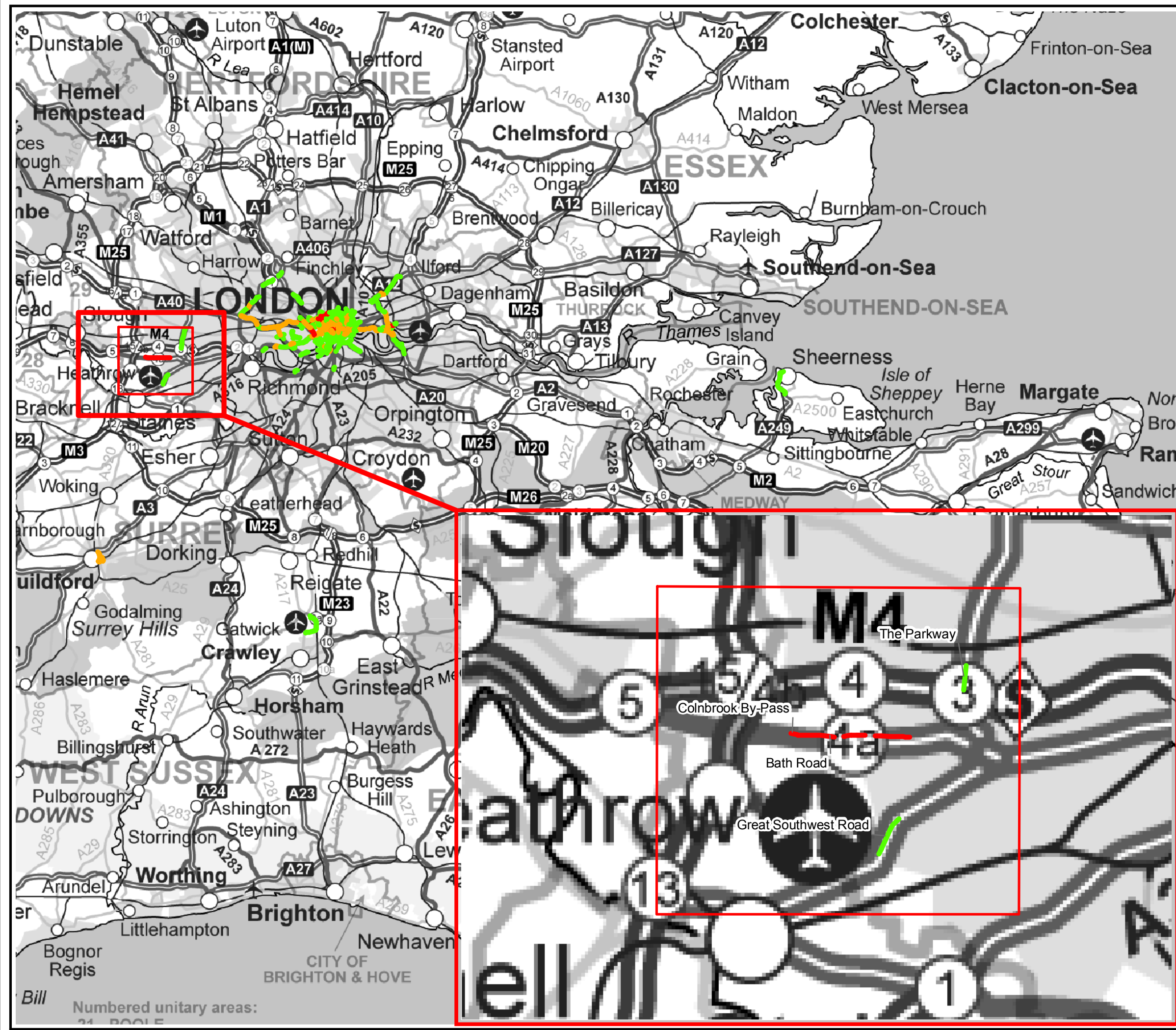
Project: **AIRPORTS COMMISSION AQ BASELINE**

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

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.



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 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

Contains Ordnance Survey data © Crown copyright and database right 2014

0	AUG 14	Initial Issue	TA	RB	MC	CT
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 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

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

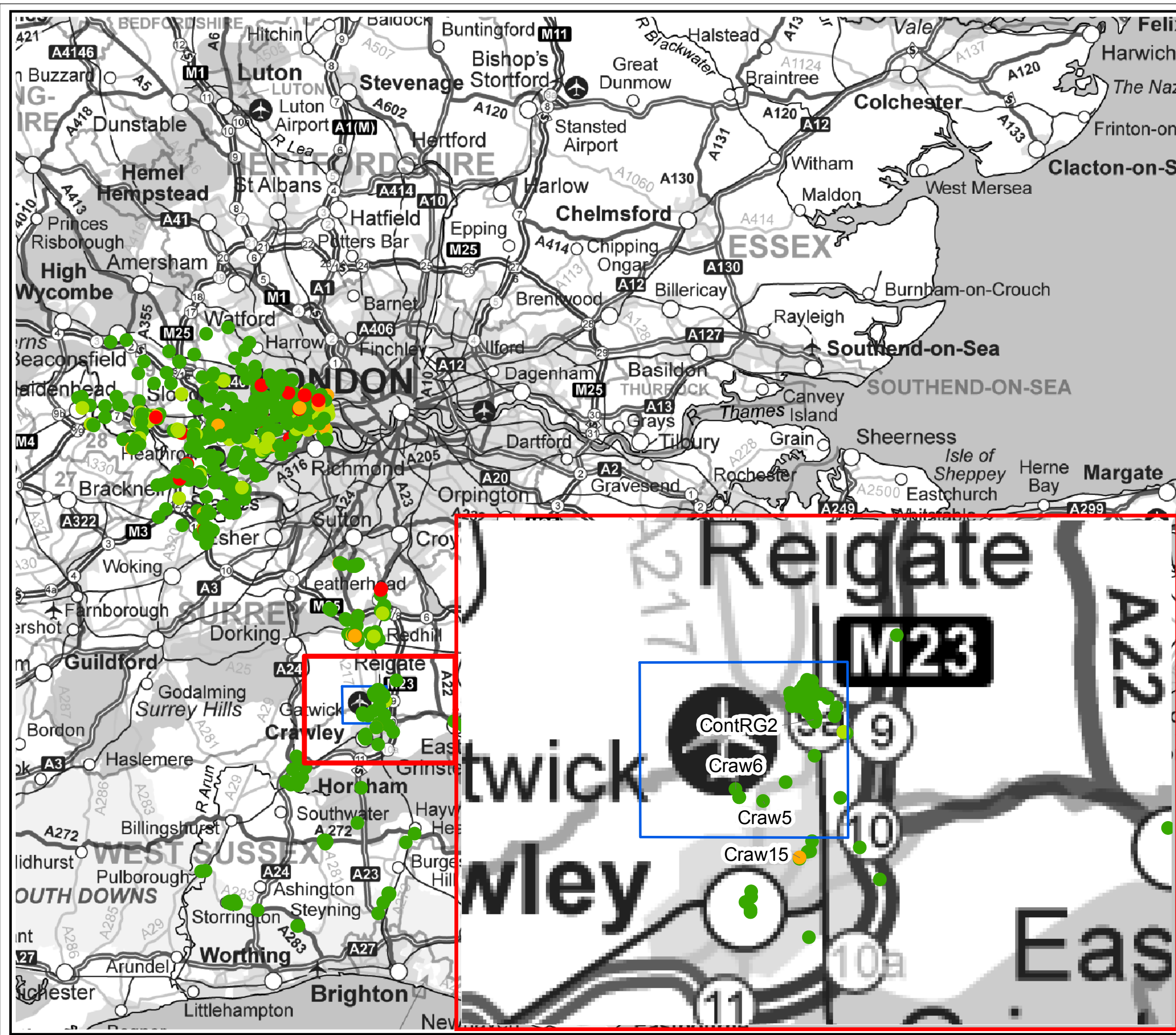
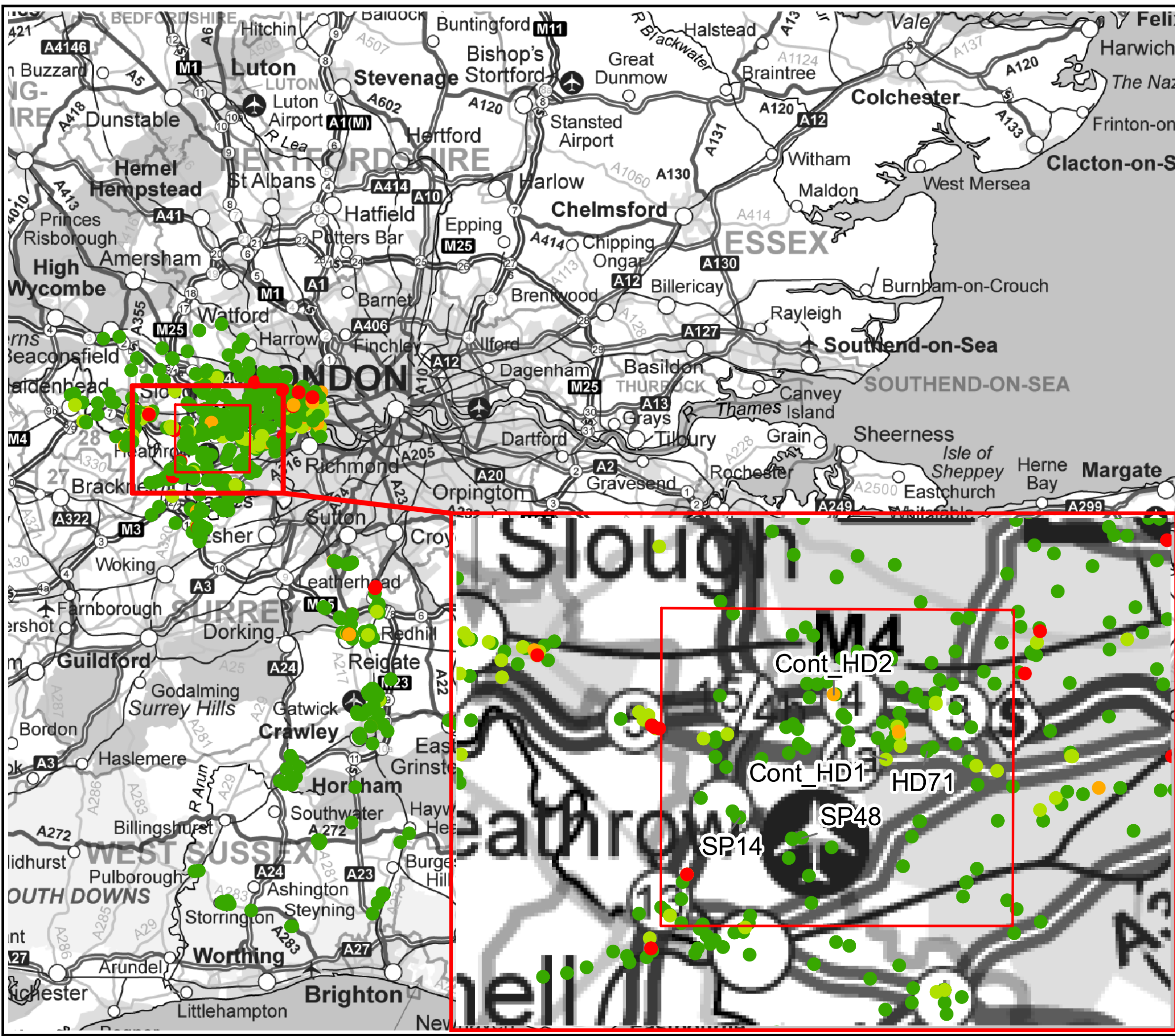


FIGURE 8



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

Contains Ordnance Survey data © Crown copyright and database right 2014

0	AUG 14	Initial Issue	TA	RB	MC	CT
Rev.	Date	Purpose of revision	Drawn	Check'd	Re'vd	Appr'd



Client: Airports Commission

Project: AIRPORTS COMMISSION
AQ BASELINE

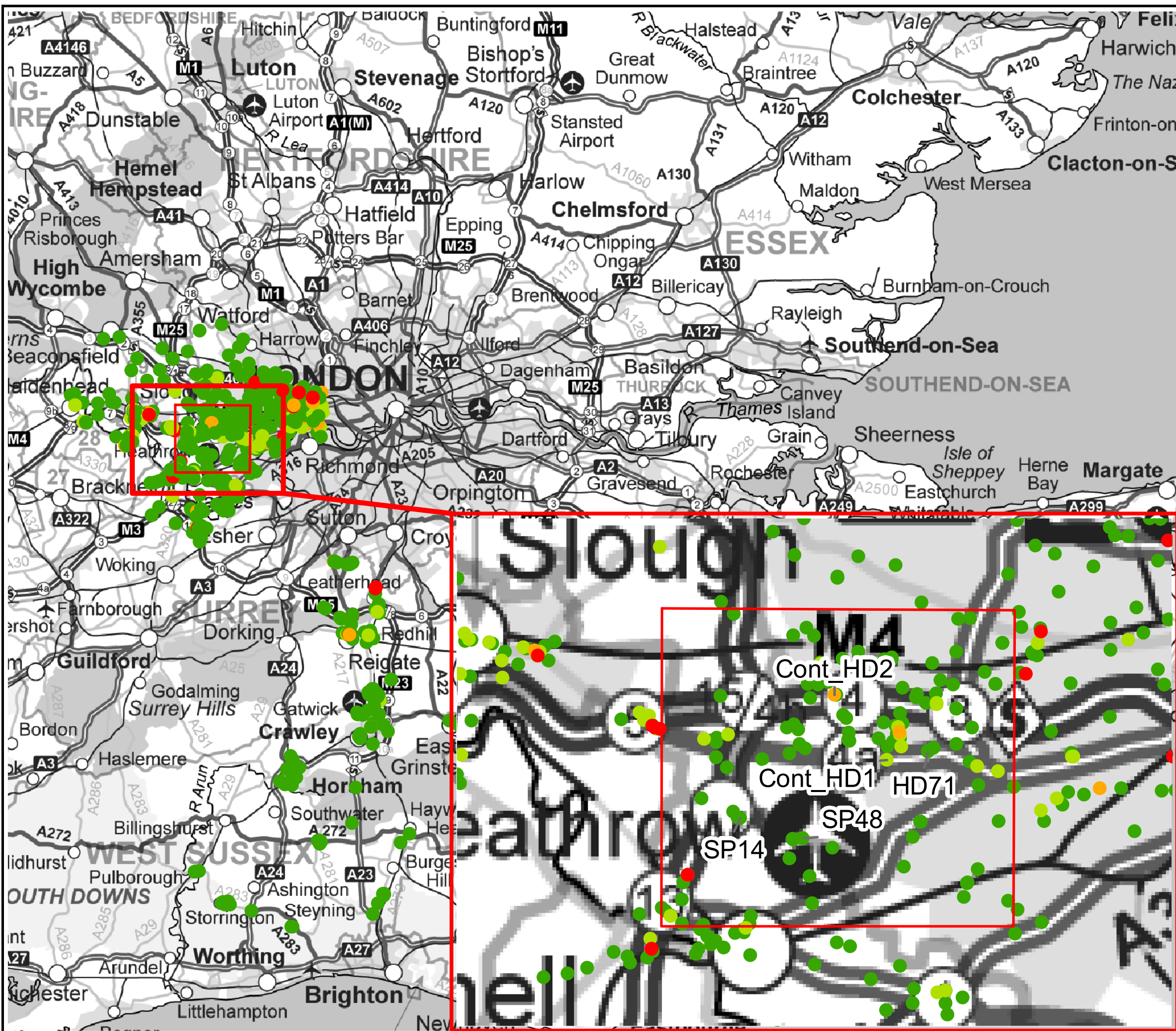
Drawing Title: NO₂ Projected to 2030
Within Heathrow Airport Northwest Runway
(Heathrow NWR) Study Area

Drawing Status: Final

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

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

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

Contains Ordnance Survey data © Crown copyright and database right 2014

0	AUG 14	Initial Issue	TA	RB	MC	CT
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	

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.