Heathrow West



# Environmental Impact Assessment Scoping Report – Volume II: Figures (Part 2 of 5)

October 2026

# Contents


### Air Quality and Odour

Figure 5.1 Core and Wider Study Area

Figure 5.2 Location of Automatic Air Quality Monitors for Scoping

### Biodiversity

Figure 6.1 Biodiversity Study Areas

Figure 6.2 Biodiversity Survey Areas

Figure 6.3 Statutory and Non-statutory Sites Designated for Ecological Features.

### Ornithology

Figure 7.1 Ornithology Study Area

Figure 7.2 Ornithology Survey Area

Figure 7.3 Statutory Sites Designated for Ornithology

Figure 7.4 2026 Breeding Bird Territories

Figure 7.5 2026 Red Kite Breeding Territory (confidential)

### Climate Change

Figure 9.1 Approach to CCRA

### Community

Figure 10.1 Community Areas and Inner Study Area

Figure 10.2 Core Study Area

Figure 10.3 Regional Study Area

Figure 10.4 Community Needs Index

### Economics and Employment

Figure 11.1 Local Town Centres

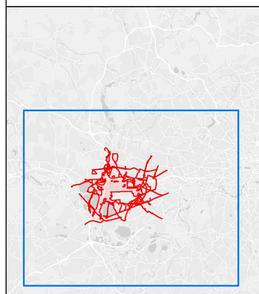
# Air Quality and Odour

Figure 5.1 Core and Wider Study Areas

Figure 5.2 Location of Automatic Air Quality Monitors for Scoping

N

Wooburn Green
Gerrards Cross
South Harefield
Wooburn
Wooburn Common
Higher Denham
Hedsor
Hedgerley
Tatling End
Baker's Wood
Denham
Egypt
Fulmer
Farnham Common
New Denham
East Burnham
Wexham Street
Farnham Royal
Hitchambury
Taplow
George Green
Iver
Shreding Green
Slough
Richings Park
Thorney
Dorney Reach
Dorney
Myrke
Eton Wick
Eton
Colnbrook
Datchet
Windsor
Oakley Green
Horton
Old Windsor
Wraysbury
Stanwell Moor
Stanwell
West Bedfont
Hythe End
Runnymede
Bishopsgate
Cranbourne
The Village
Plaistow Green
Woodside
Staines-upon-Thames
Ashford
Egham
Ashford Common
Littleton Common
Sunbury-on-Thames
North Ascot
Cheapside
Charlton
Stroude
Laleham
Ascot
Littleton
Thorpe
South Ascot
Virginia Water
Thorpe Green
Upper Halliford
West Molesey
East Molesey
Sunninghill
Sunningdale
Shepperton Green
Shepperton
Trumps Green
Chertsey
Thames Ditton
Weston Green
Long Ditton
Walton-on-Thames
Lyne
Longcross
Hinchley Wood
Worcester Park
Weybridge
Addlestone
Esher
Brick Hill
Hersham
Stoneleigh
Ottershaw
Row Town
Claygate
Burwood Park
Bagshot
Whiteley Village
Ewell
Lightwater
New Haw
Woodham
Chobham
Malden Rushett
Mimbridge
Penny Pot
Castle Green
West Byfleet
Byfleet
Epsom




**Key**

- EIA Scoping Boundary
- Core Study Area
- Wider Study Area

**Layers:** Contains OS data © Crown Copyright and database right 2026. Contains data from OS Zoomstack

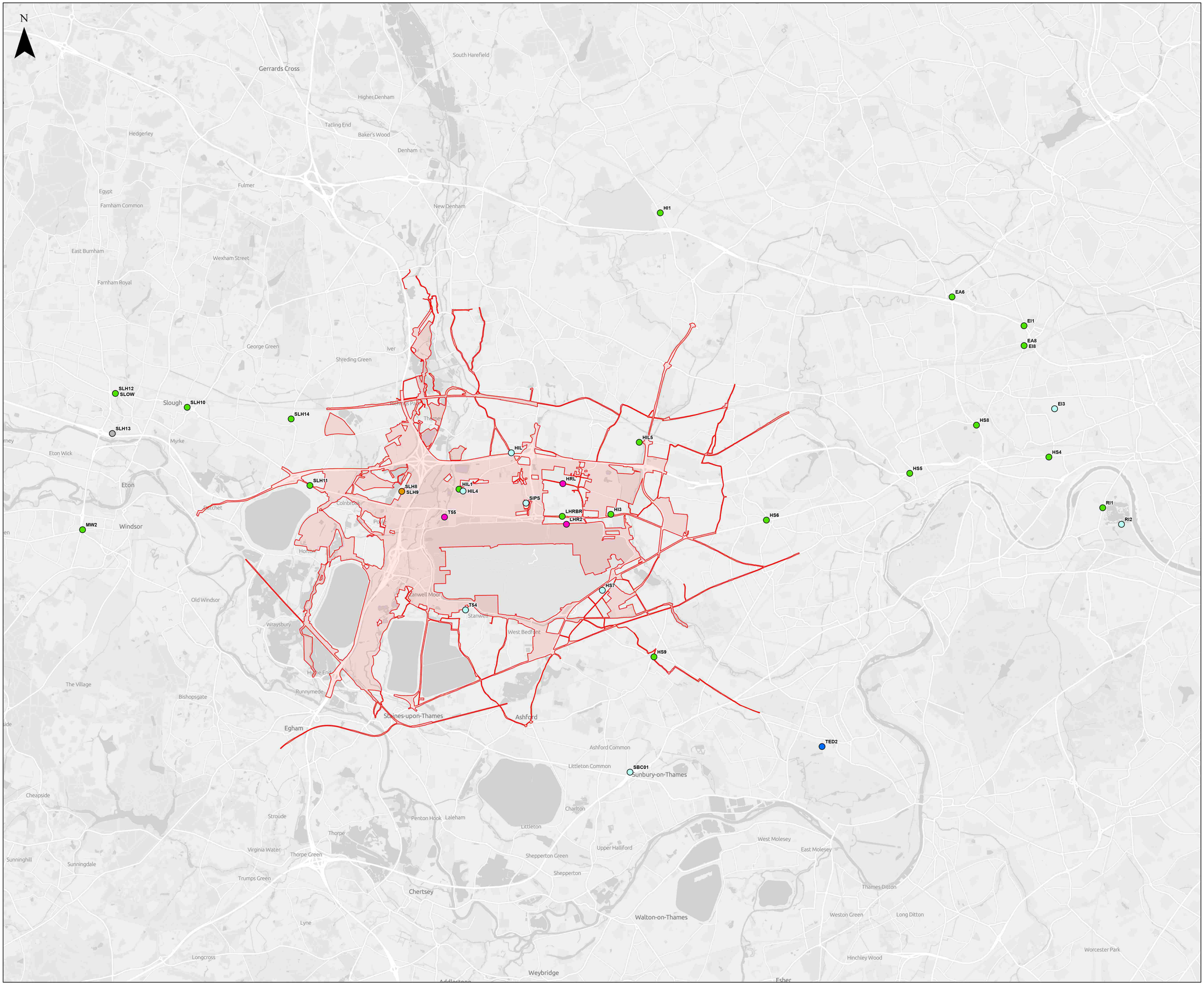
0 2 4 km

Scale: 1:50,000@ A1

| | |
|---|---|
| Ref: Figure 5.1 | Date: 07/10/2026 |
| Drawn by: TB | Checked by: ED |

# Core and Wider Study Areas

Heathrow West







**Key**

EIA Scoping Boundary

**Site Type**

- Airport
- Industrial
- Roadside
- Suburban
- Urban Background
- Other

**Layers:** Contains OS data © Crown Copyright and database right 2026. Contains data from OS Zoomstack

0 2 4 km

Scale: 1:45,000@ A1

| | |
|---|---|
| Ref: Figure 5.2 | Date: 07/10/2026 |
| Drawn by: TB | Checked by: ED |

**Location of Automatic Air Quality Monitors for Scoping**

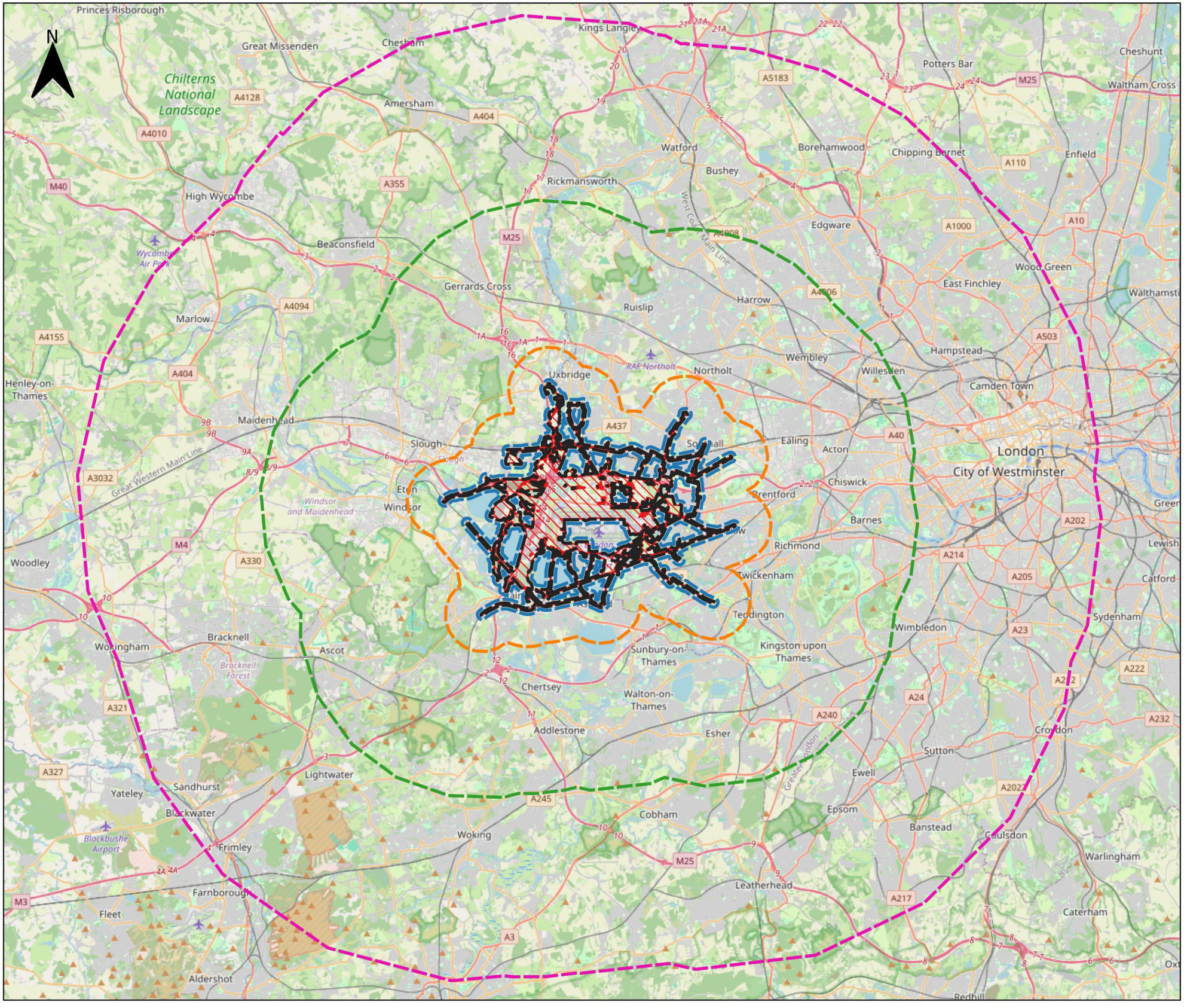
Heathrow West

# Biodiversity

Figure 6.1 Biodiversity Study Areas

Figure 6.2 Biodiversity Survey Areas

Figure 6.3 Statutory and Non-statutory Sites Designated for Ecological Features.




**Key**

- Scoping Boundary
- Field Survey Study Area (50 m Buffer of the Scoping Boundary)
- Great Crested Newt, Otter and Water Vole Study Area (250 m Buffer of the Scoping Boundary)
- 2 km Desk Study Search Area
- 10 km Desk Study Search Area
- 20 km Desk Study Search Area

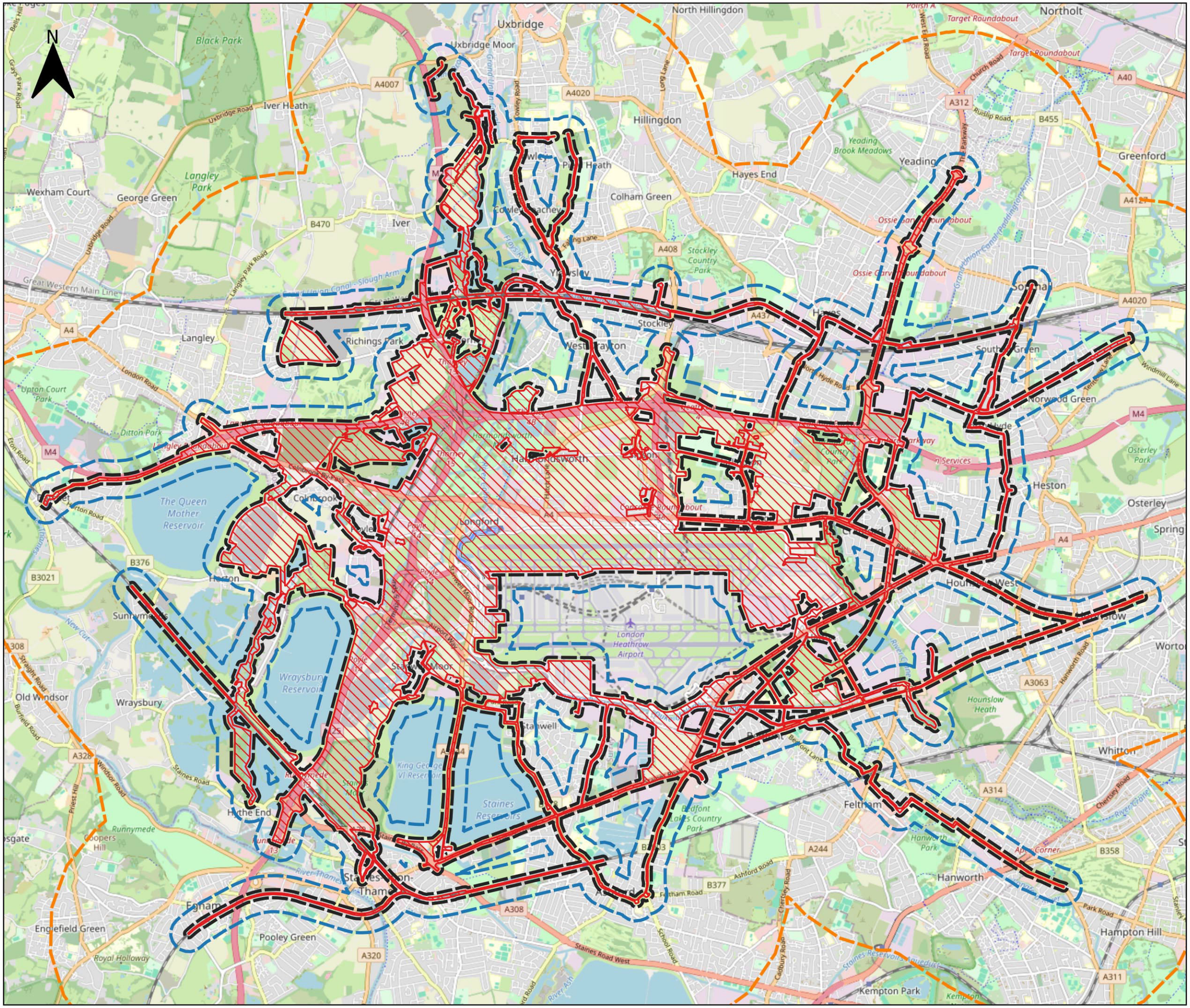
0 5 10 km

Scale: 1:320,000 @A3

| | |
|---|---|
| Ref: Figure 6.1 | Date: 01/10/2026 |
| Drawn by: EA | Checked by: ME |

**Biodiversity Study Area**

Heathrow West




**Key**

- Scoping Boundary
- Field Survey Study Area (50 m Buffer of the Scoping Boundary)
- Great Crested Newt, Otter and Water Vole Study Area (250 m Buffer of the Scoping Boundary)

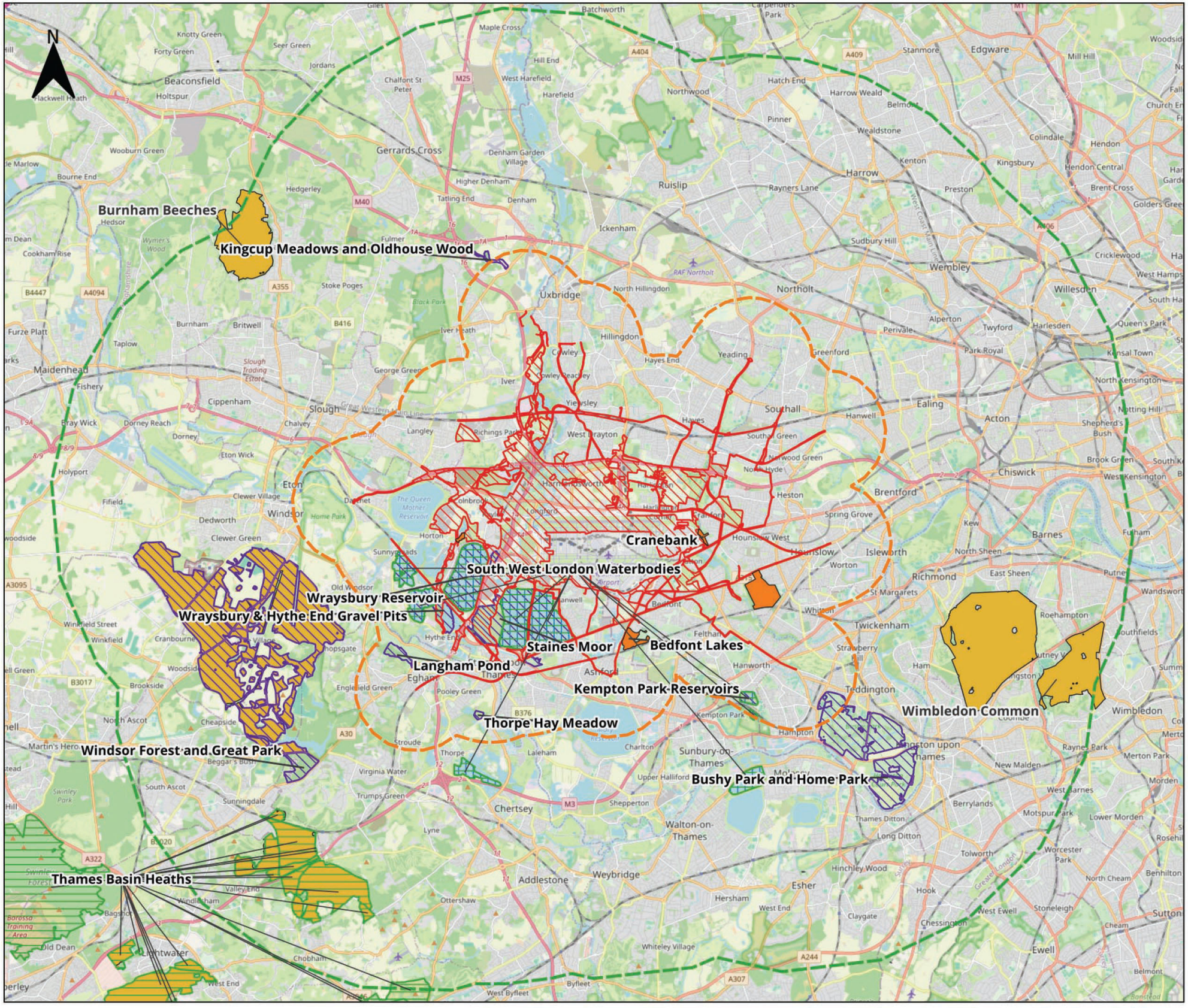
0 1 2 km

Scale: 1:85,000 @A3

| | |
|---|---|
| Ref: Figure 6.2 | Date: 01/10/2026 |
| Drawn by: EA | Checked by: ME |

**Biodiversity Survey Areas**

Heathrow West




**Key**

- Scoping Boundary
- 2 km Desk Study Search Area
- 10 km Desk Study Search Area
- Special Areas of Conservation (SACs)
- Special Protection Areas (SPAs)
- Ramsar Sites
- Sites of Special Scientific Interest (SSSIs)
- Local Nature Reserves (LNRs)

0 2.5 5 km

Scale: 1:195,000 @A3

| | |
|---|---|
| Ref: Figure 6.3 | Date: 01/10/2026 |
| Drawn by: EA | Checked by: ME |

**Statutory and Non-statutory Sites Designated for Ecological Features**

Heathrow West

# Ornithology

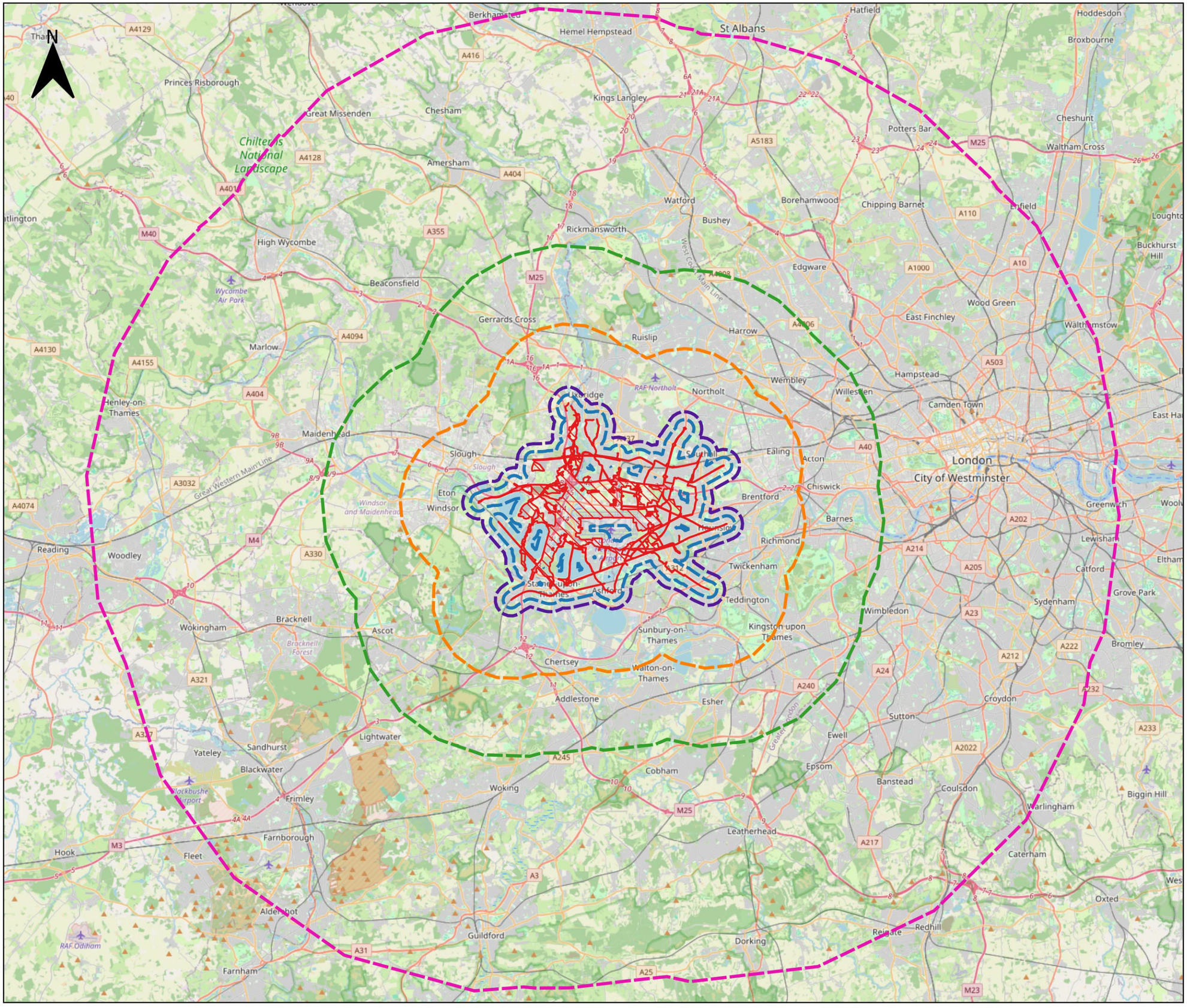
Figure 7.1 Ornithology Study Area

Figure 7.2 Ornithology Survey Area

Figure 7.3 Statutory Sites Designated for Ornithology

Figure 7.4 2026 Breeding Bird Territories

Figure 7.5 2026 Red Kite Breeding Territory (confidential)




**Key**

- Scoping Boundary
- 2026-27 Winter Walkover and 2027 Breeding Bird and Breeding Raptor Survey Area (500 m Buffer of the Scoping Boundary)
- 2026-27 Winter Waterbird Survey Area (1 km Buffer of the Scoping Boundary)
- 5 km Desk Study Search Area
- 10 km Desk Study Search Area
- 25 km Desk Study Search Area

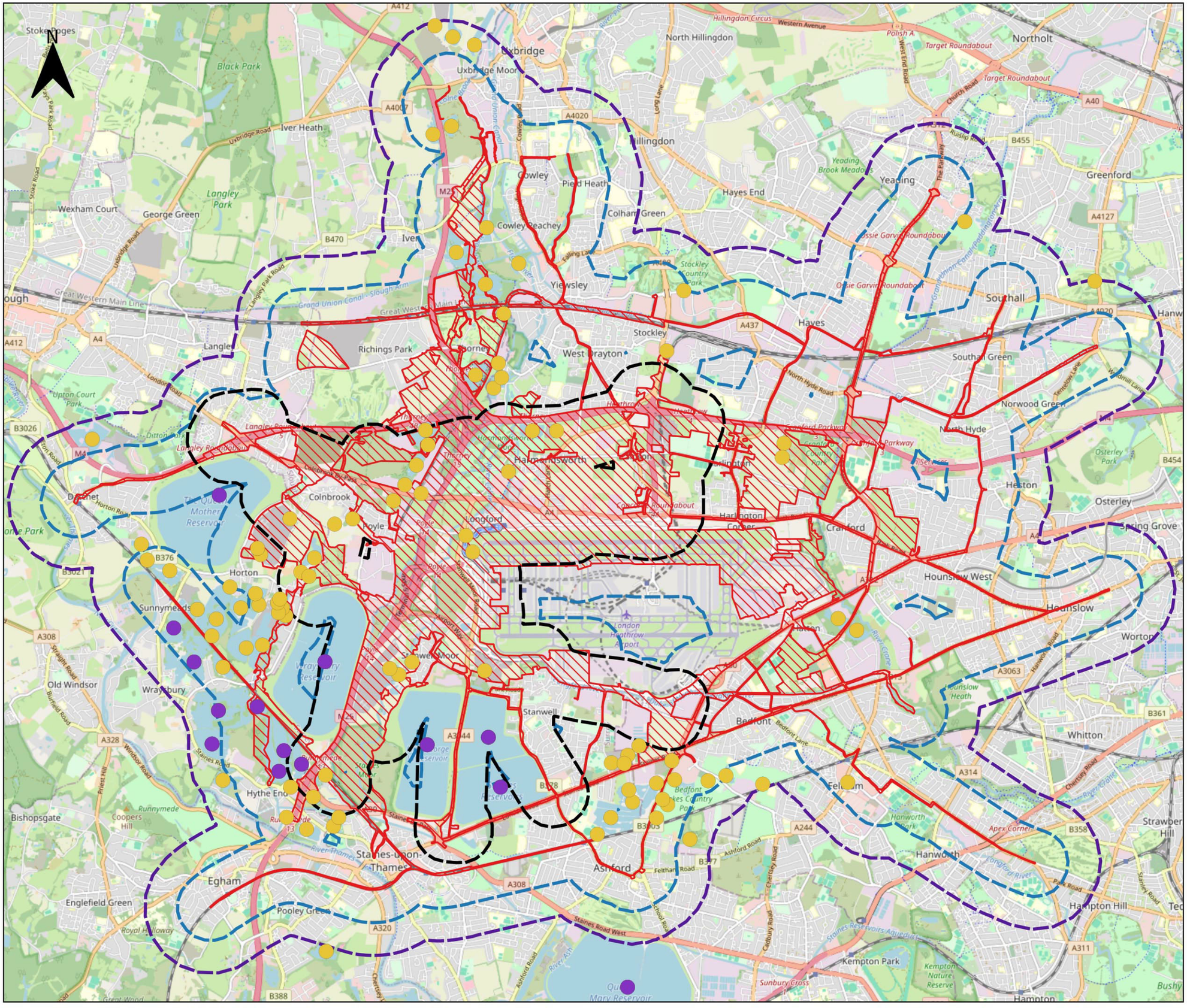
0 5 10 km

Scale: 1:375,000 @A3

| | |
|---|---|
| Ref: Figure 7.1 | Date: 01/10/2026 |
| Drawn by: EA | Checked by: MR |

**Ornithology Study Area**

Heathrow West




**Key**

- Scoping Boundary
- 2026 Breeding Bird and Breeding Raptor Survey Area
- 2026-27 Winter Walkover and 2027 Breeding Bird and Breeding Raptor Survey Area (500 m Buffer of the Scoping Boundary)
- 2026-27 Winter Waterbird Survey Area (1 km Buffer of the Scoping Boundary)
- 2026-27 Winter Waterbird Survey Waterbody - Nocturnal and Diurnal Surveys
- 2026-27 Winter Waterbird Survey Waterbody - Diurnal Survey Only

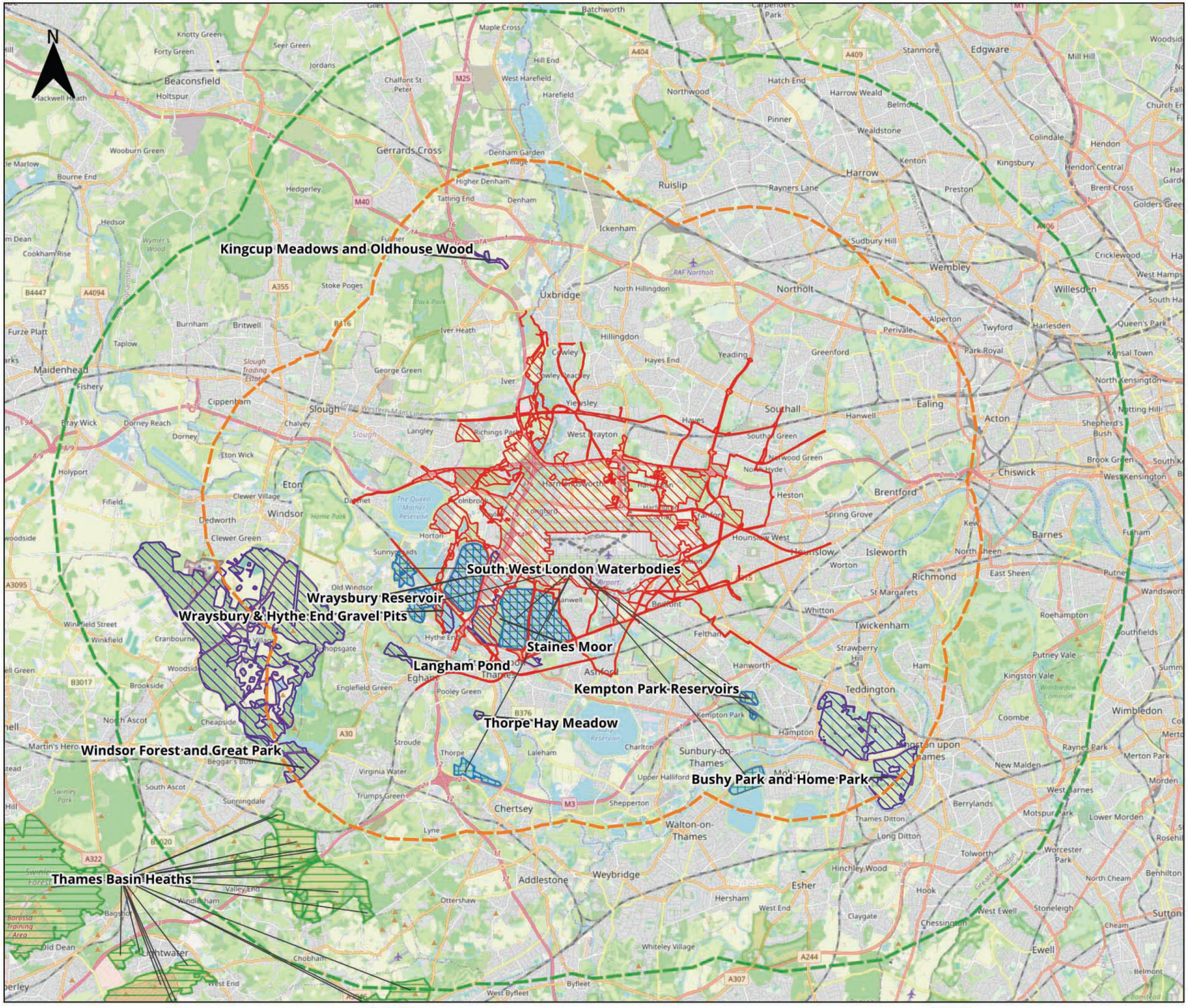
0 1 2 km

Scale: 1:90,000 @A3

| | |
|---|---|
| Ref: Figure 7.2 | Date: 01/10/2026 |
| Drawn by: EA | Checked by: MR |

**Ornithology Survey Areas**

Heathrow West




**Key**

- Scoping Boundary
- 5 km Desk Study Search Area
- 10 km Desk Study Search Area
- Special Protection Areas (SPAs)
- Ramsar Sites
- Sites of Special Scientific Interest (SSSIs)

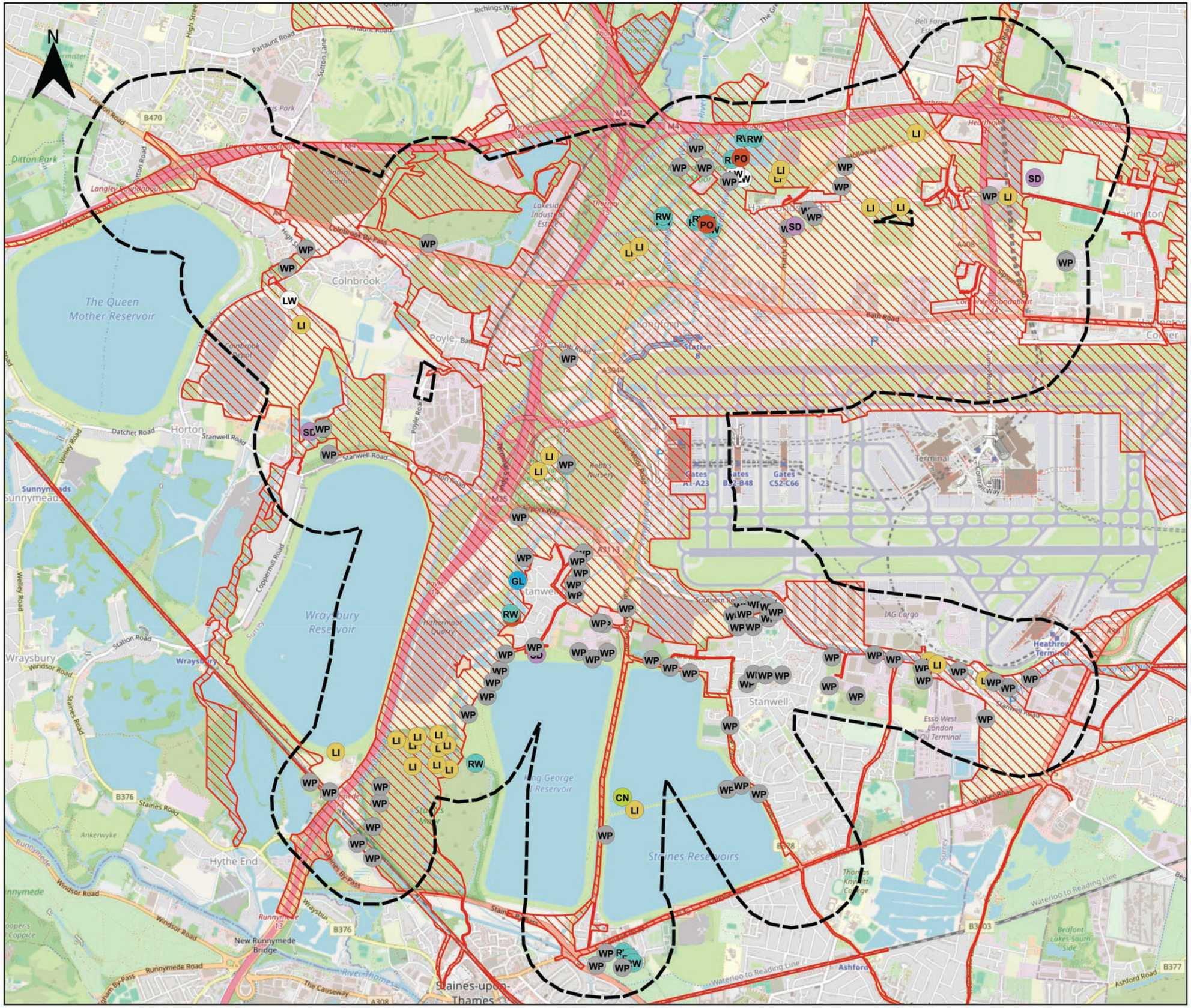
0 2.5 5 km

Scale: 1:195,000 @A3

| | |
|---|---|
| Ref: Figure 7.3 | Date: 01/10/2026 |
| Drawn by: EA | Checked by: MR |

**Statutory Sites Designated for Ornithological Features**

Heathrow West




## Key

- Scoping Boundary
- 2026 Breeding Bird and Breeding Raptor Survey Area

**Breeding Bird Territories**

- PO Pochard
- SD Stock Dove
- WP Woodpigeon
- CN Common Tern
- RW Reed Warbler
- LW Lesser Whitethroat
- GL Grey Wagtail
- LI Linnet

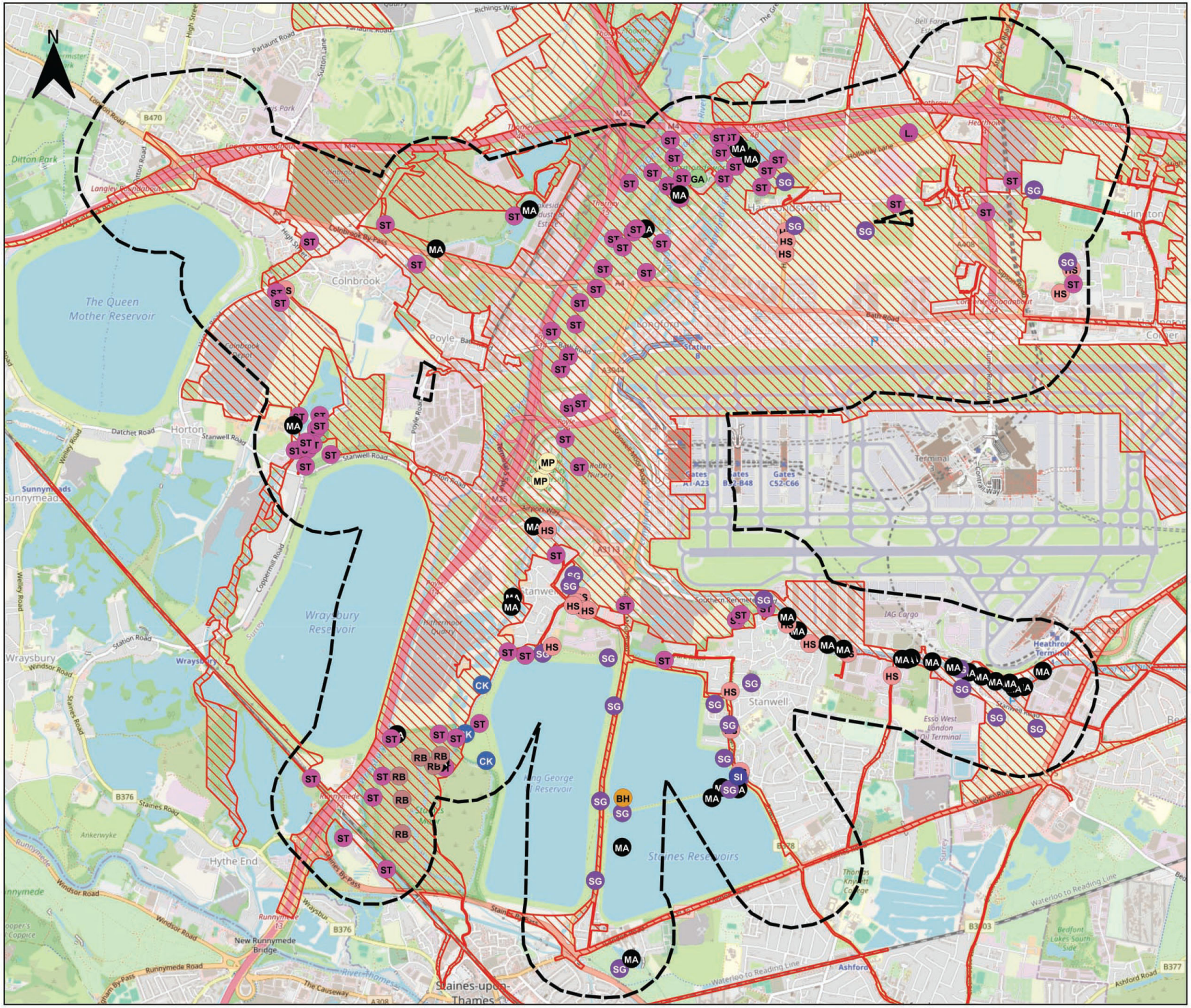
0 0.75 1.5 km

Scale: 1:46,000 @A3

| | |
|---|---|
| Ref: Figure 7.4A | Date: 01/10/2026 |
| Drawn by: EA | Checked by: MR |

**2026 Breeding Bird Territories**

Heathrow West




## Key

- Scoping Boundary
- 2026 Breeding Bird and Breeding Raptor Survey Area

**Breeding Bird Territories**

| | |
|---|---|
| GA Gadwall | SG Starling |
| MA Mallard | ST Song Thrush |
| SI Swift | HS House Sparrow |
| CK Cuckoo | MP Meadow Pipit |
| L. Lapwing | RB Reed Bunting |
| BH Black-headed Gull | |

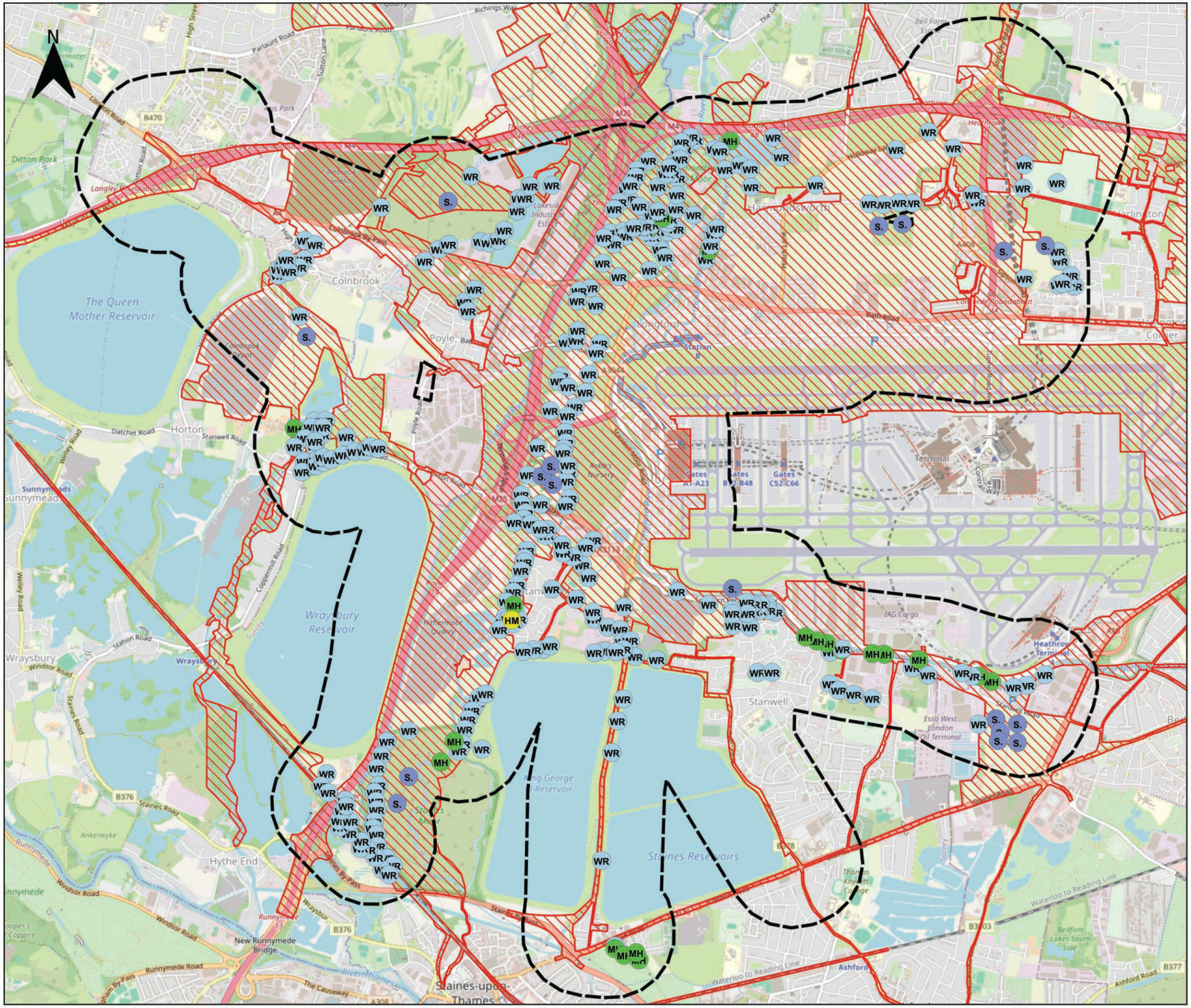
0 0.75 1.5 km

Scale: 1:46,000 @A3

| | |
|---|---|
| Ref: Figure 7.4B | Date: 01/10/2026 |
| Drawn by: EA | Checked by: MR |

**2026 Breeding Bird Territories**

Heathrow West




## Key

- Scoping Boundary
- 2026 Breeding Bird and Breeding Raptor Survey Area

**Breeding Bird Territories**

- MH Moorhen
- HM House Martin
- S. Skylark
- WR Wren

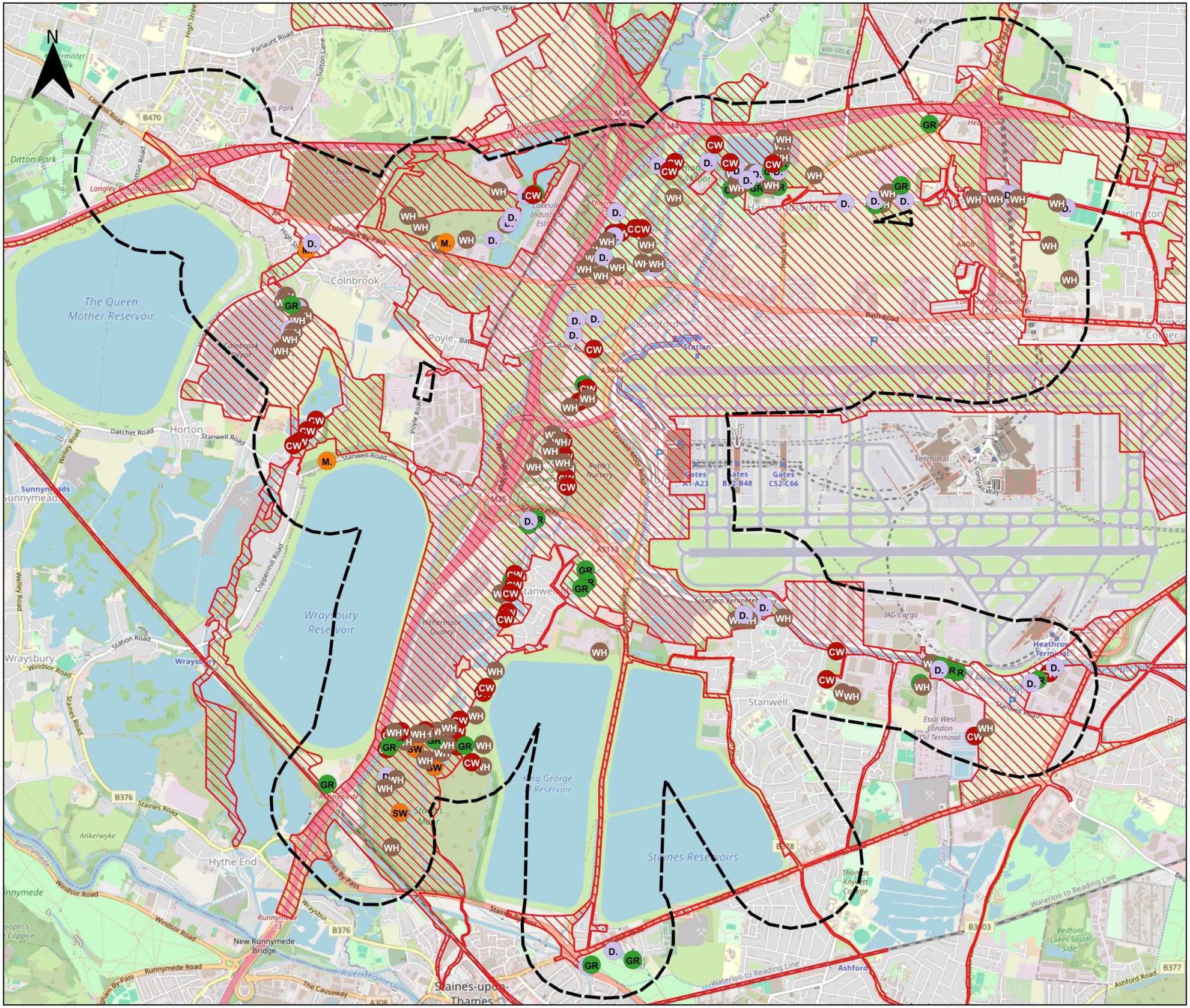
0 0.75 1.5 km

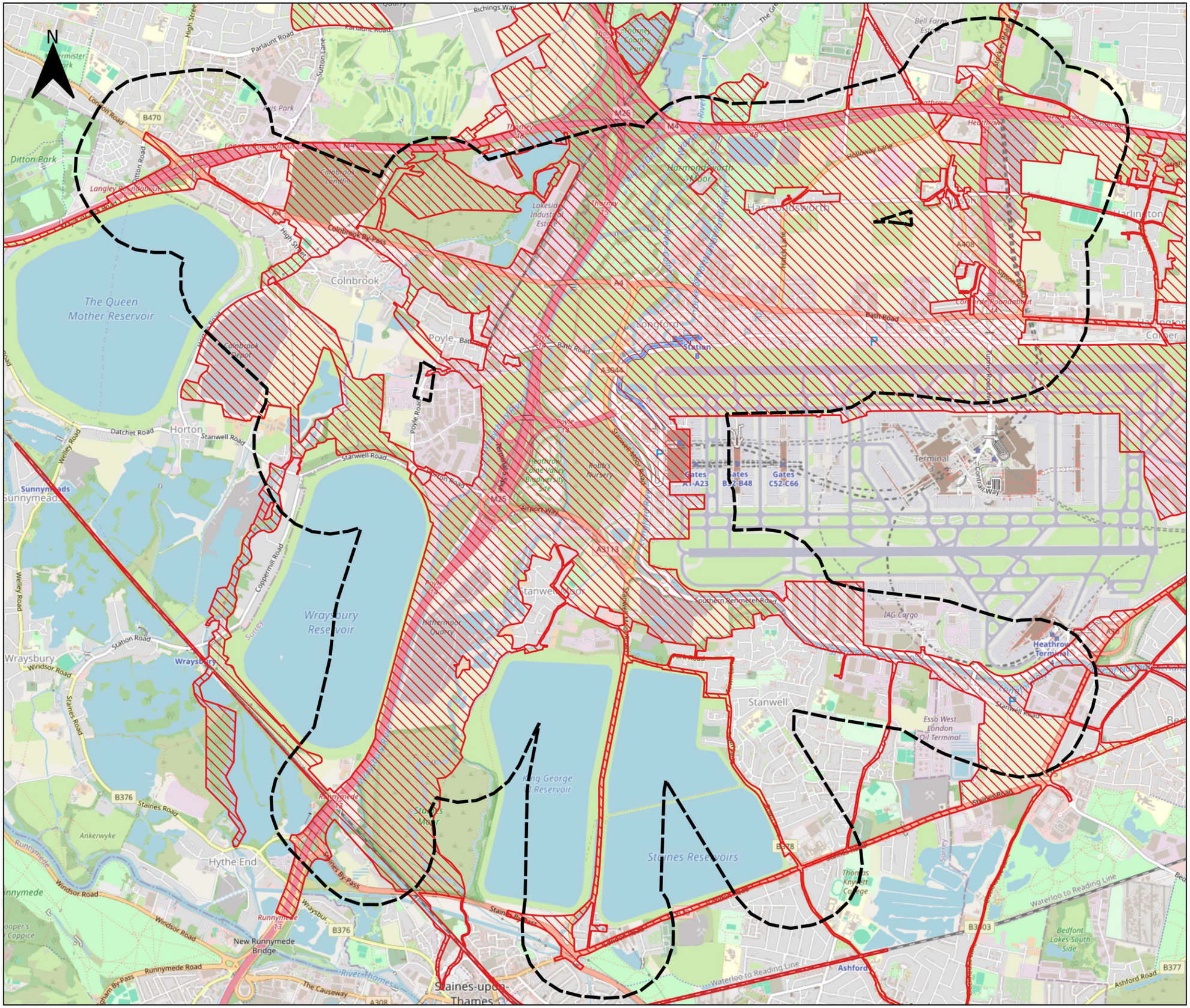
Scale: 1:46,000 @A3

| | |
|---|---|
| Ref: Figure 7.4C | Date: 01/10/2026 |
| Drawn by: EA | Checked by: MR |

**2026 Breeding Bird Territories**

Heathrow West


N
Key
Scoping Boundary
2026 Breeding Bird and Breeding Raptor Survey Area
Breeding Bird Territories
CW Cetti's Warbler
M. Mistle Thrush
SW Sedge Warbler
D. Dunnock
WH Whitethroat
GR Greenfinch
0
0.75
1.5 km
Scale: 1:46,000 @A3
Ref: Figure 7.4D
Date: 01/10/2026
Drawn by: EA
Checked by: MR
2026 Breeding Bird Territories
Heathrow West




**Key**

- Scoping Boundary
- 2026 Breeding Bird and Breeding Raptor Survey Area
- KT Red Kite Territory (redacted)

0 0.75 1.5 km

Scale: 1:46,000 @A3

| | |
|---|---|
| Ref: Figure 7.5 | Date: 01/10/2026 |
| Drawn by: EA | Checked by: MR |

**2026 Breeding Red Kite Territory**

(Confidential)

Heathrow West

# Climate Change

Figure 9.1 Approach to CCRA

# CCRA Flow Chart

**Climate Change Projections**

The general trends and changes expected to climatic systems as a result of climate change.

*Example: Climate change leads to an increase in temperature.*

**Climate Change Hazard**

The climate event expected as a result of the effect of climate change.

*Example: Increased summer temperatures creates a hazard of heatwaves.*

**Likelihood of Hazard (at a local area level)**

Use data sources to determine how likely the hazard is in the future in the region/local area.

*Example: Heatwaves are expected to be a Very High likelihood within SE London in the future.*

**Receptor**

Identification of a receptor at the Site.

*Example: Receptor group for a new development may be building users.*

**Sensitivity**

Determine sensitivity of receptor.

*Example: Building users are a High sensitivity.*

**Climate Change Impact**

Identify a consequence of the climate hazard on a receptor.

*Example: Overheating within buildings due to summer heatwaves will impact building users.*

**Likelihood of Impact (at receptor level)**

Using the local likelihood, determine how likely the climate impact is to occur to the receptor.

*Example: Buildings overheating and causing discomfort or other impacts to building users is considered High likelihood.*

**Consequence to Receptor**

Qualitatively assess the consequences of the impact on the receptor, considering the following factors:

- Receptor sensitivity
- Proposed Development performance
- Reputational impact
- Cost of damage
- Health and safety implication

*Example: Building users are classified as a High sensitivity receptor. Therefore, overheating within buildings would likely have a Limited level of consequence to performance and cost of damage, but a Large or Very Large consequence to reputational impact and building user H+S. Professional judgement determines this to be a Large consequence of impact.*

**Climate Risk**

A combination of Likelihood and Consequence of impact, alongside professional judgement, determines an overall climate risk. This can be either a risk (negative) or benefit (positive).

*Example: High (likelihood) x Large (consequence) = Major Risk*

**Significance of Effect**

The climate risk result from the CCRA is translated into the significance of effect for an EIA assessment.

*Example: Major Risk equates to a Major Adverse Effect and indicates a Significant impact.*

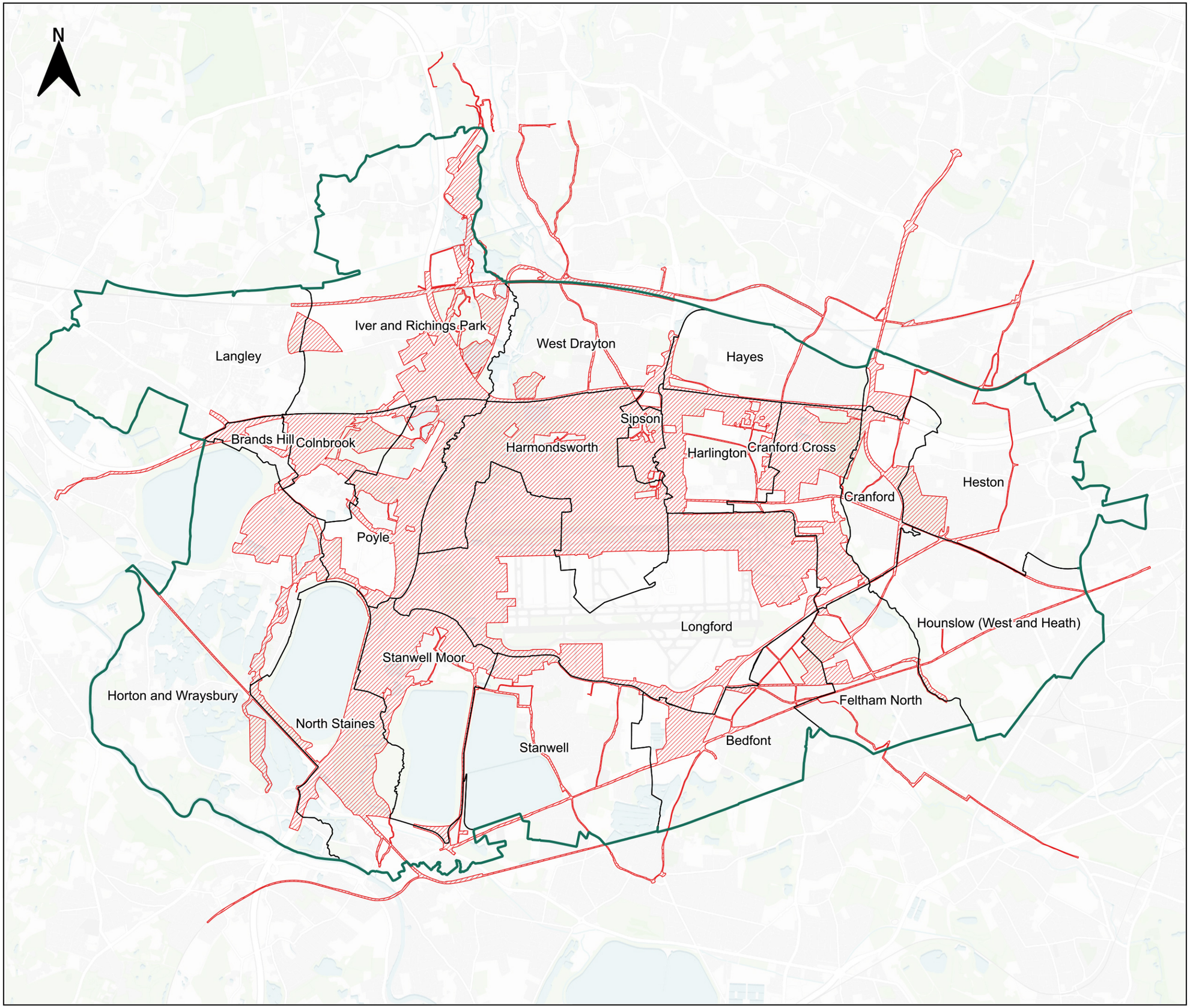
# Community

Figure 10.1 Community Areas and Inner Study Area

Figure 10.2 Core Study Area

Figure 10.3 Regional Study Area

Figure 10.4 Community Needs Index




**Key**

- Inner Study Area
- Community Areas
- Scoping Boundary

Community Areas and Inner Study Area

OS data @ crown copyright and database right 2026.

0 1 2 km

Scale: 1:53,303.8 @A1

| | |
|---|---|
| Ref: Figure 10.1 | Date: 01/10/2026 |
| Drawn by: EF | Checked by: AS |

**Community Areas and Inner Study Area**

Heathrow West




**Key**

- Core Study Area
- Local Authorities
- Scoping Boundary

Core Study Area

OS data @ crown copyright and database right 2026.

0 7 14 km

Scale: 1:329,736.7 @A1

| | |
|---|---|
| Ref: Figure 10.2 | Date: 01/10/2026 |
| Drawn by: EF | Checked by: AS |

**Core Study Area**

Heathrow West

N

**Key**

Regional Study Area

Scoping Boundary

Regional Study Area

OS data @ crown copyright and database right 2026.

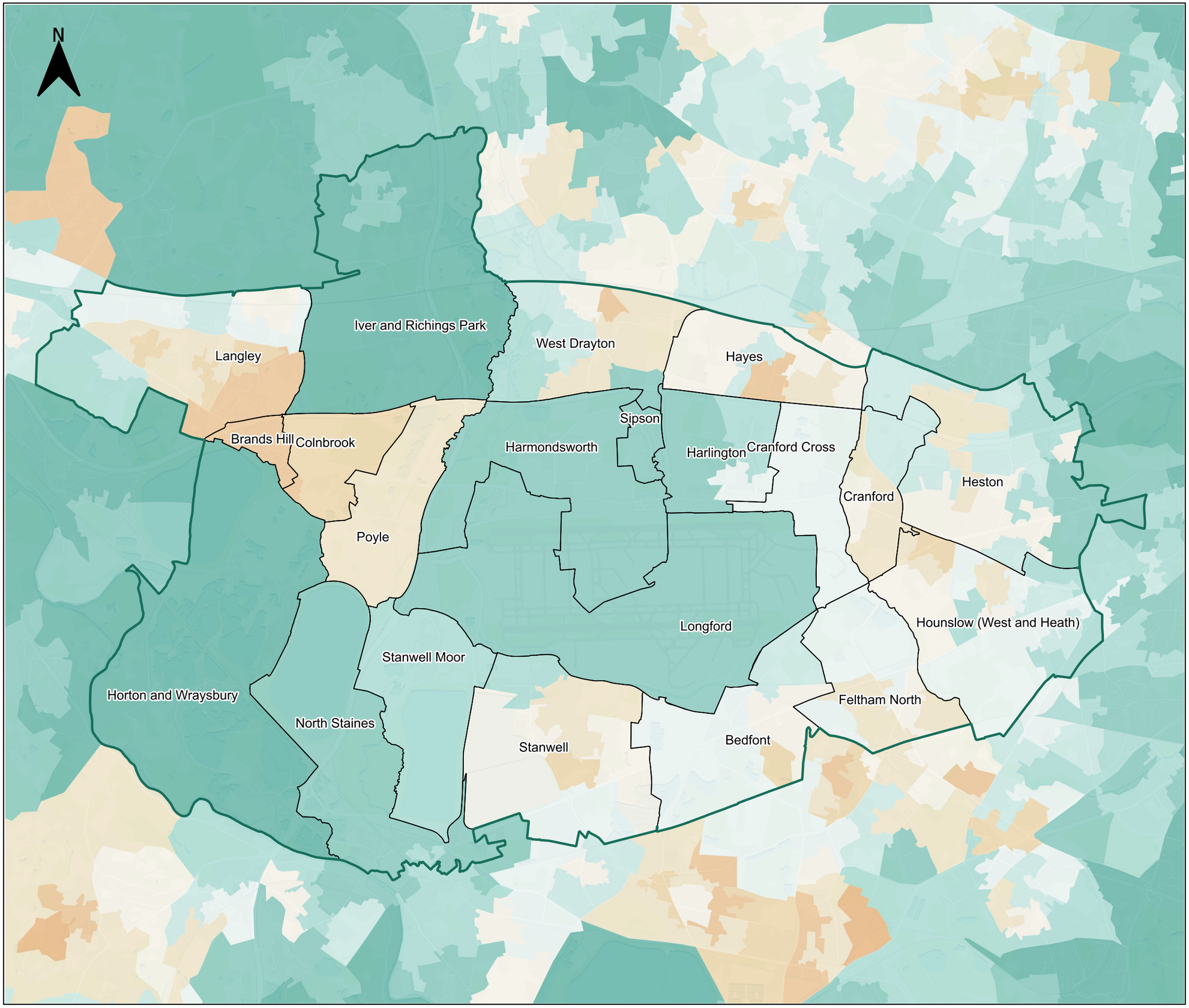
0 20 40 km

Scale: 1:845,067.4 @A1

| | |
|---|---|
| Ref: Figure 10.3 | Date: 01/10/2026 |
| Drawn by: EF | Checked by: AS |

**Regional Study Area**

Heathrow West




**Key**

- Inner Study Area
- Community Areas

Community Needs Index

- Lowest
- Highest

Community Needs Index

OS data @ crown copyright and database right 2026. Oxford Consultants for Social Inclusion/Local Trust, 2023. Community Needs Index.

0 1 2 km

Scale: 1:53,303.8 @A1

| | |
|---|---|
| Ref: Figure 10.4 | Date: 01/10/2026 |
| Drawn by: EF | Checked by: AS |

**Community Needs Index**

Heathrow West

# Economics and Employment

Figure 11.1 Local Town Centres

N

West Drayton

Hayes

Southall

Hounslow

Feltham

Staines

**Key**

- Local Town Centres
- Scoping Boundary
- Inner Study Area

Local Town Centres

OS data @ crown copyright and database right 2026.

0 1 2 km

Scale: 1:52,805.9 @A1

| | |
|---|---|
| Ref: Figure 11.1 | Date: 01/10/2026 |
| Drawn by: EF | Checked by: AS |

**Local Town Centres**

Heathrow West