

7. Biodiversity: Figures

Prepared for the
Airports Commission

November 2014

Biodiversity Figures

Gatwick Airport Second Runway

- Figure 1. Gatwick 2R: Baseline search of designated sites.
- Figure 2. Gatwick 2R: Sussex Biodiversity Records Centre baseline search of non-designated sites.
- Figure 3. Gatwick 2R: Surrey Biodiversity Information Centre baseline search of non-designated sites. Records taken from the current airport boundary.
- Figure 4. Priority Habitats within 5km of the Gatwick 2R.
- Figure 5. Ancient semi-natural woodland within 5 km of the Gatwick 2R.

Heathrow Airport Northwest Runway

- Figure 6. Heathrow NWR: Baseline search of designated sites.
- Figure 7. Heathrow NWR: Thames Valley Environmental Records Centre baseline search of non-designated sites.
- Figure 8. Heathrow NWR: Surrey Biodiversity Information Centre baseline search of non-designated sites. Report produced using current airport boundary
- Figure 9. Priority Habitats within 5 km of the Heathrow NWR.
- Figure 10: Ancient semi-natural woodland within 5 km of the Heathrow NWR.

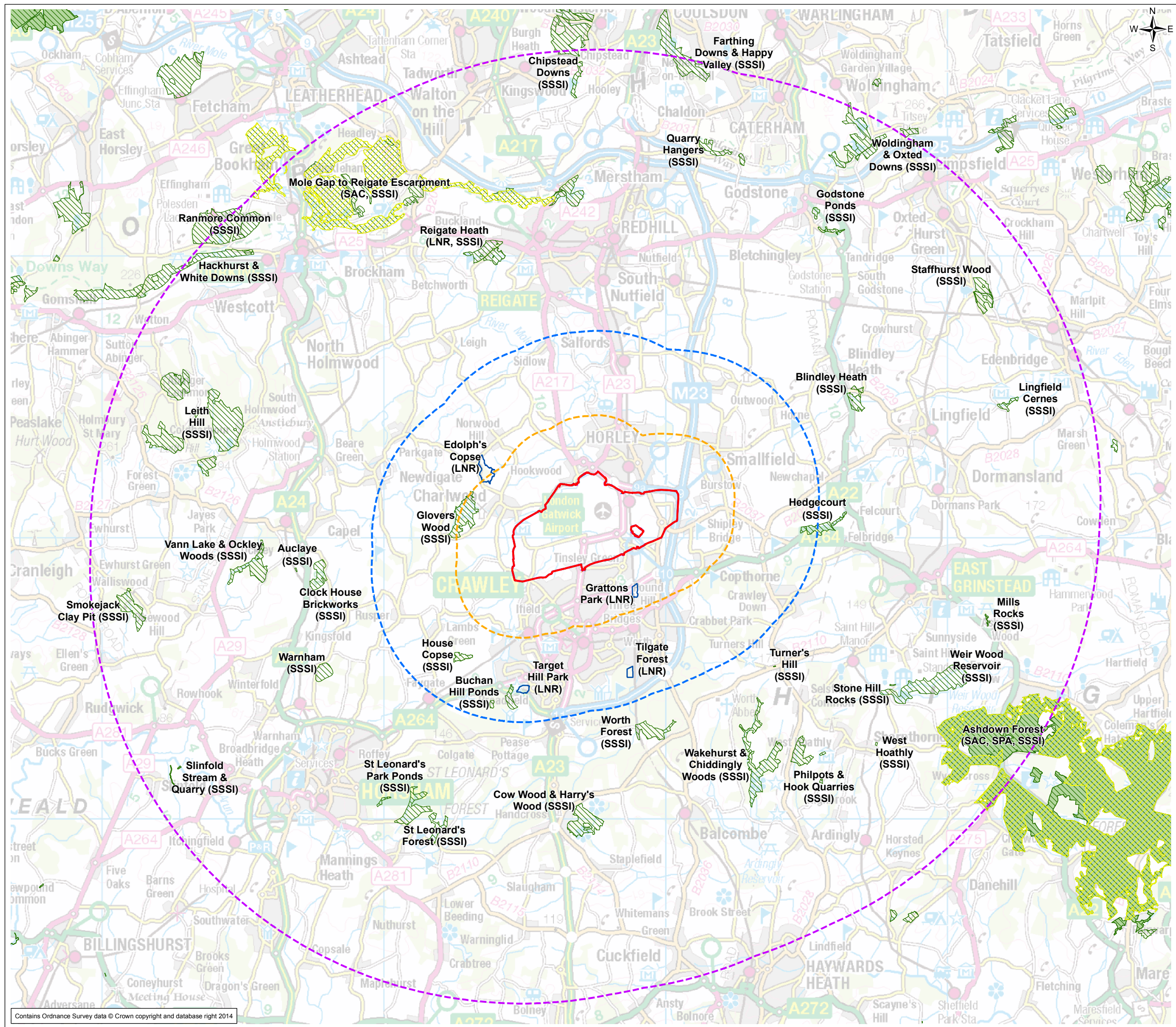
Heathrow Airport Extended Northern Runway

- Figure 11. Heathrow ENR: Baseline search of designated sites.
- Figure 12. Heathrow ENR: Thames Valley Environmental Records Centre baseline search of non-designated sites.
- Figure 13. Heathrow ENR: Surrey Biodiversity Information Centre baseline search of non-designated sites. Report produced using current airport boundary.
- Figure 14. Priority Habitats within 5km of the Heathrow ENR.
- Figure 15. Ancient semi-natural woodland within 5km of the Heathrow Airport ENR.

Compensation Plans

- Figure 16. Gatwick – Gatwick Airport Limited (GAL) Potential Compensation Areas Location.
- Figure 17. Heathrow NWR – Heathrow Airport Limited (HAL) Potential Compensation Areas Location.
- Figure 18. Heathrow ENR – Heathrow Hub (HH) Potential Compensation Areas Location.

FIGURE 1



Legend

- Proposed Boundary
- Buffers**
- 2000m
- 5000m
- 15000m
- Designations**
- Local Nature Reserve (LNR)
- Special Area of Conservation (SAC)
- Site of Special Scientific Interest (SSSI)
- Special Protection Area (SPA)

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Drawing Title

**Biodiversity Figure 1 -
Gatwick 2R Environmental Designations**

Drawing Status

FINAL

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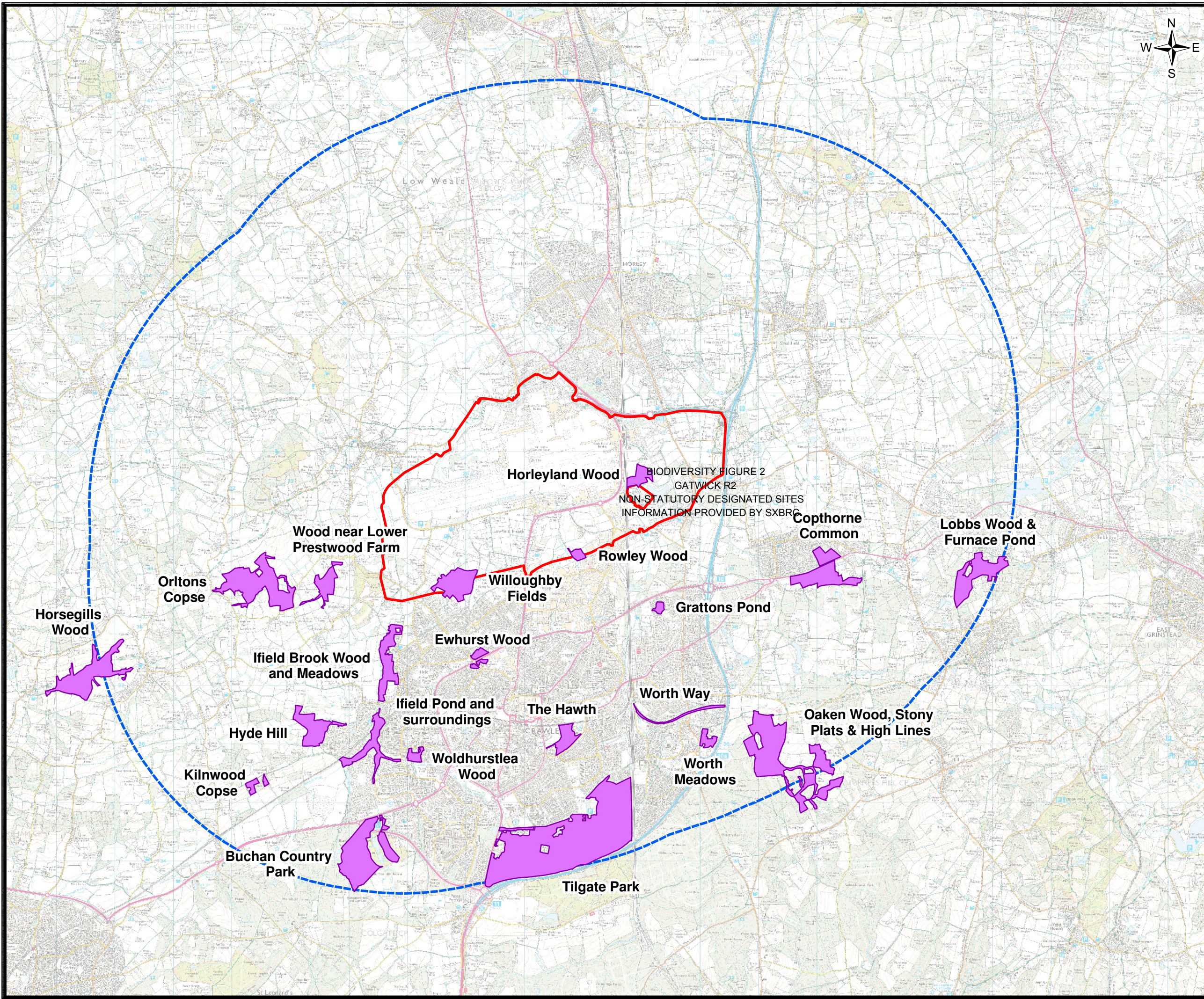
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- Legend**
- Proposed boundary
 - Buffer 5000m
 - Non-statutory Designations**
 - Site of Nature Conservation Interest (SNCI)

FIGURE 2

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Drawing title
 BIODIVERSITY FIGURE 2
 GATWICK R2
 NON-STATUTORY DESIGNATED SITES
 INFORMATION PROVIDED BY SXBRG

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 FINAL

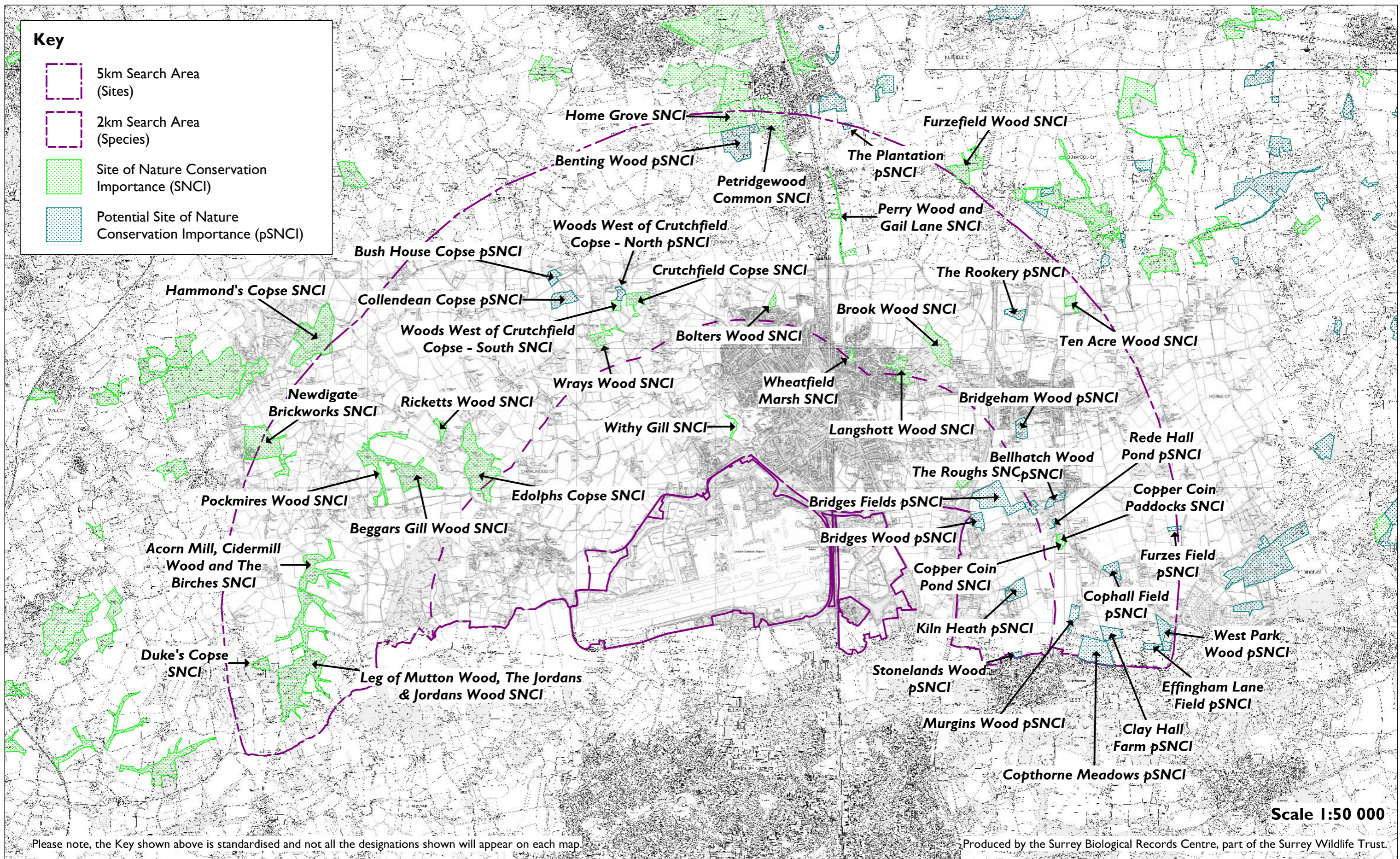
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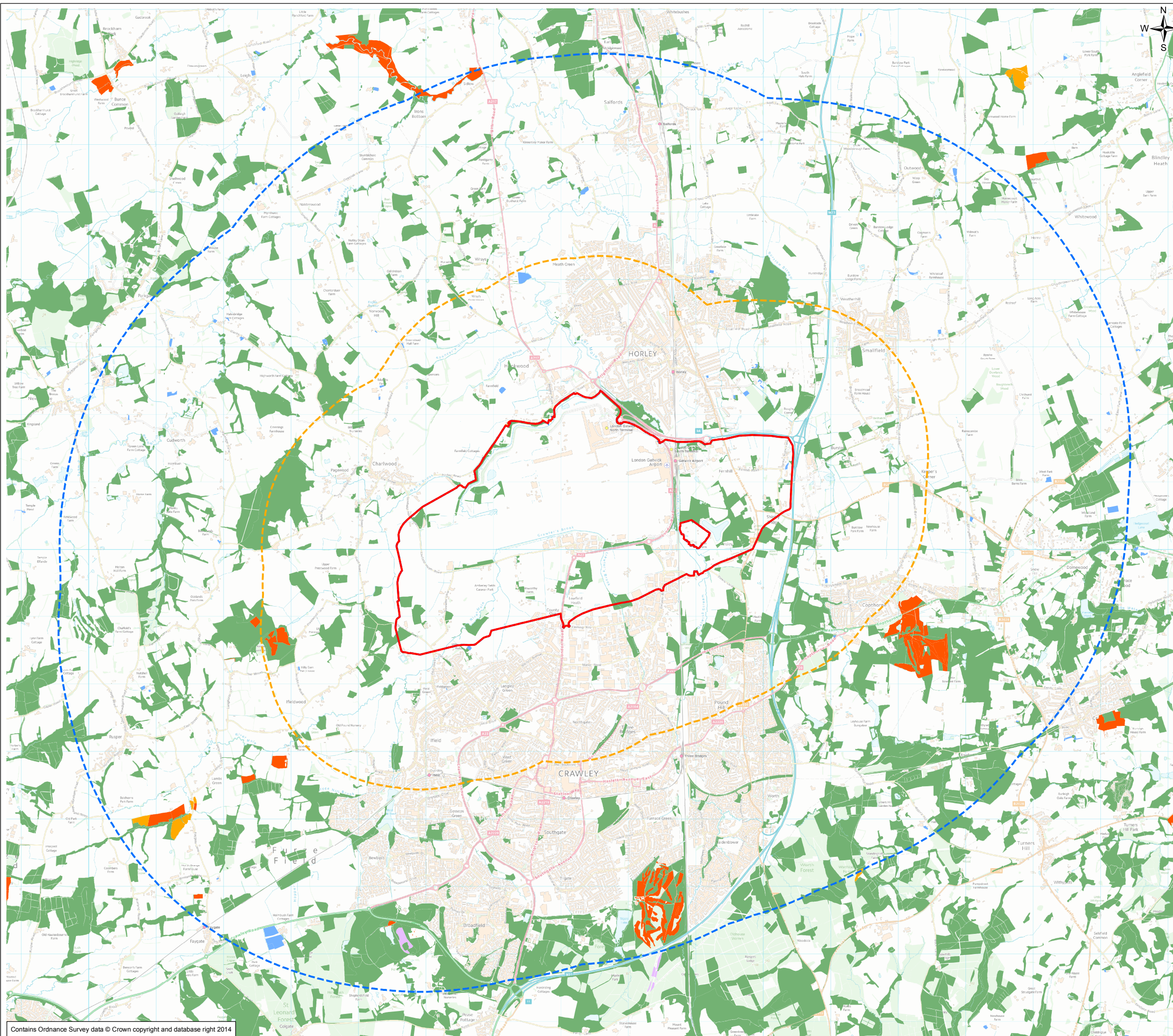
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**Background Ecological Data Search;
Gatwick Airport
Non-Statutory Designated Sites**

Biodiversity Figure 3
Gatwick 2R
Non-statutory
Designated Sites



FIGURE 4



Legend

- Proposed Boundary
- Buffers**
- 2000m
- 5000m
- Priority Habitats**
- Deciduous Woodland
- Good Quality Semi-Improved Grassland
- Lowland Heathland
- Lowland Meadows
- Traditional Orchards

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**Biodiversity Figure 4 -
 Gatwick 2R Priority Habitats**

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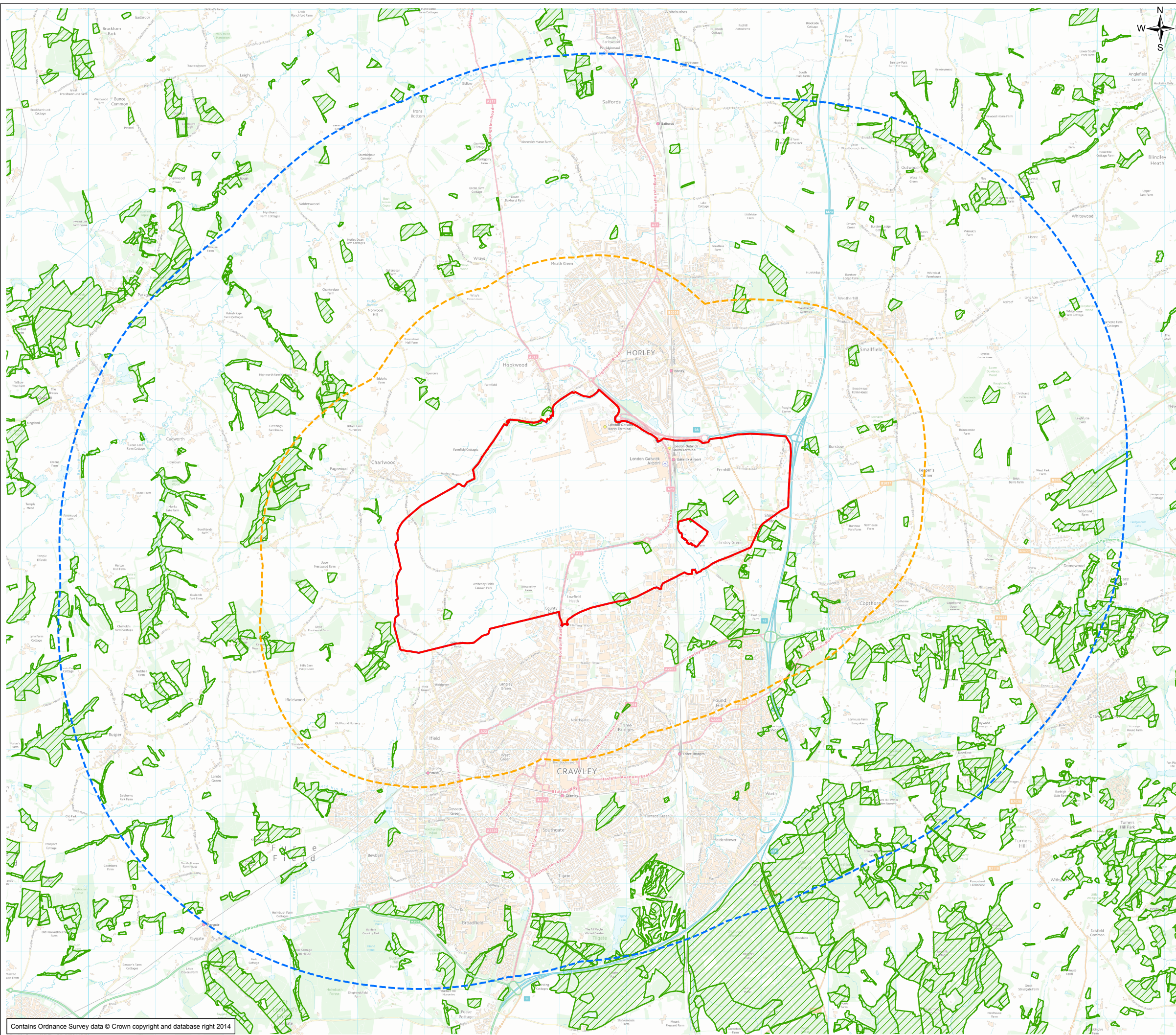
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FIGURE 5



- Legend**
- Proposed Boundary
 - Buffers**
 - 2000m
 - 5000m
 - Ancient Woodland

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**Biodiversity Figure 5
 Gatwick 2R Ancient Woodland**

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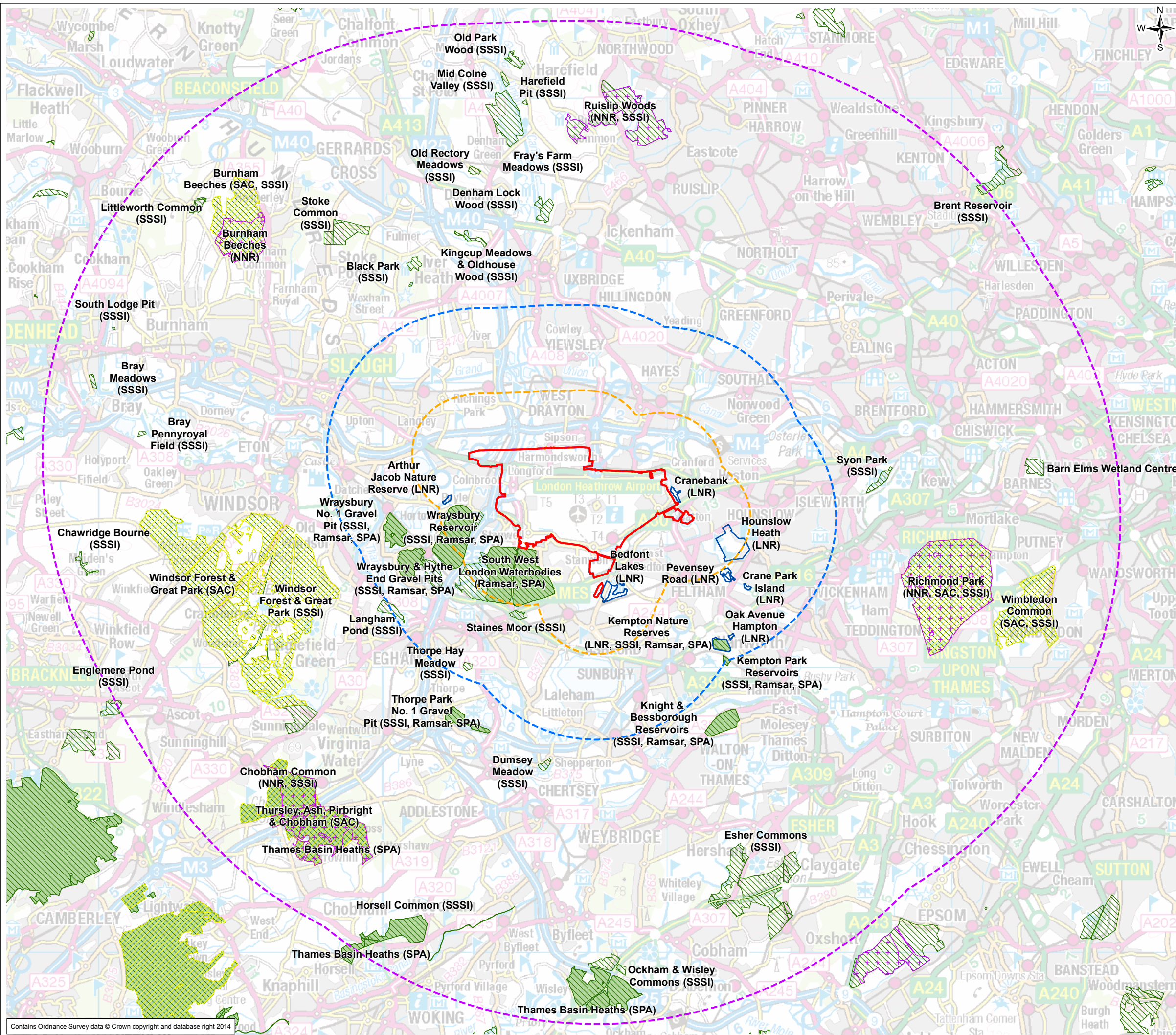
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FIGURE 6



Legend

- Proposed Boundary
- 2000m
- 5000m
- 15000m

Designations

- Local Nature Reserve (LNR)
- National Nature Reserve (NNR)
- Special Area of Conservation (SAC)
- Site of Special Scientific Interest (SSSI)
- Special Protection Area (SPA)
- Ramsar

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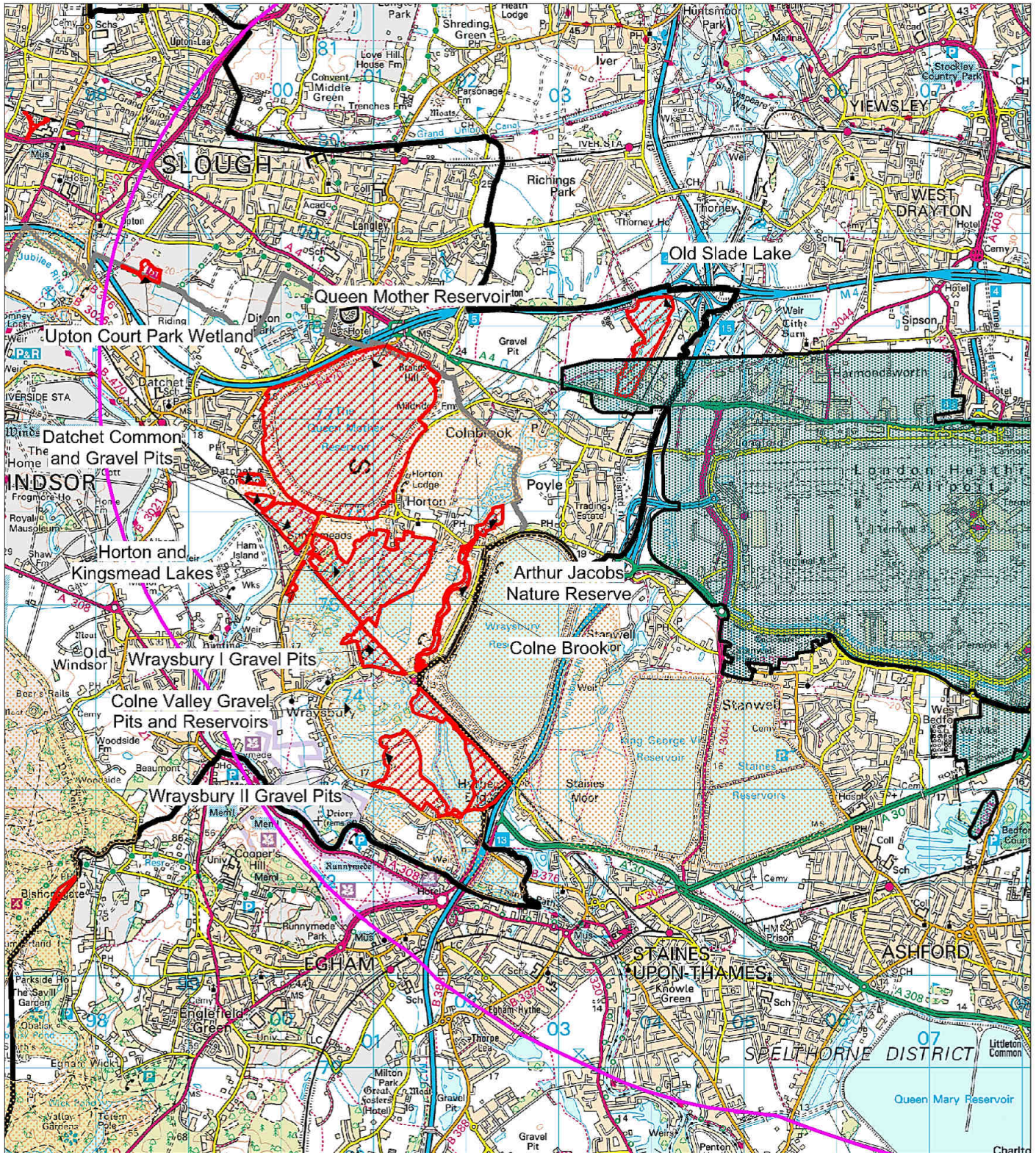
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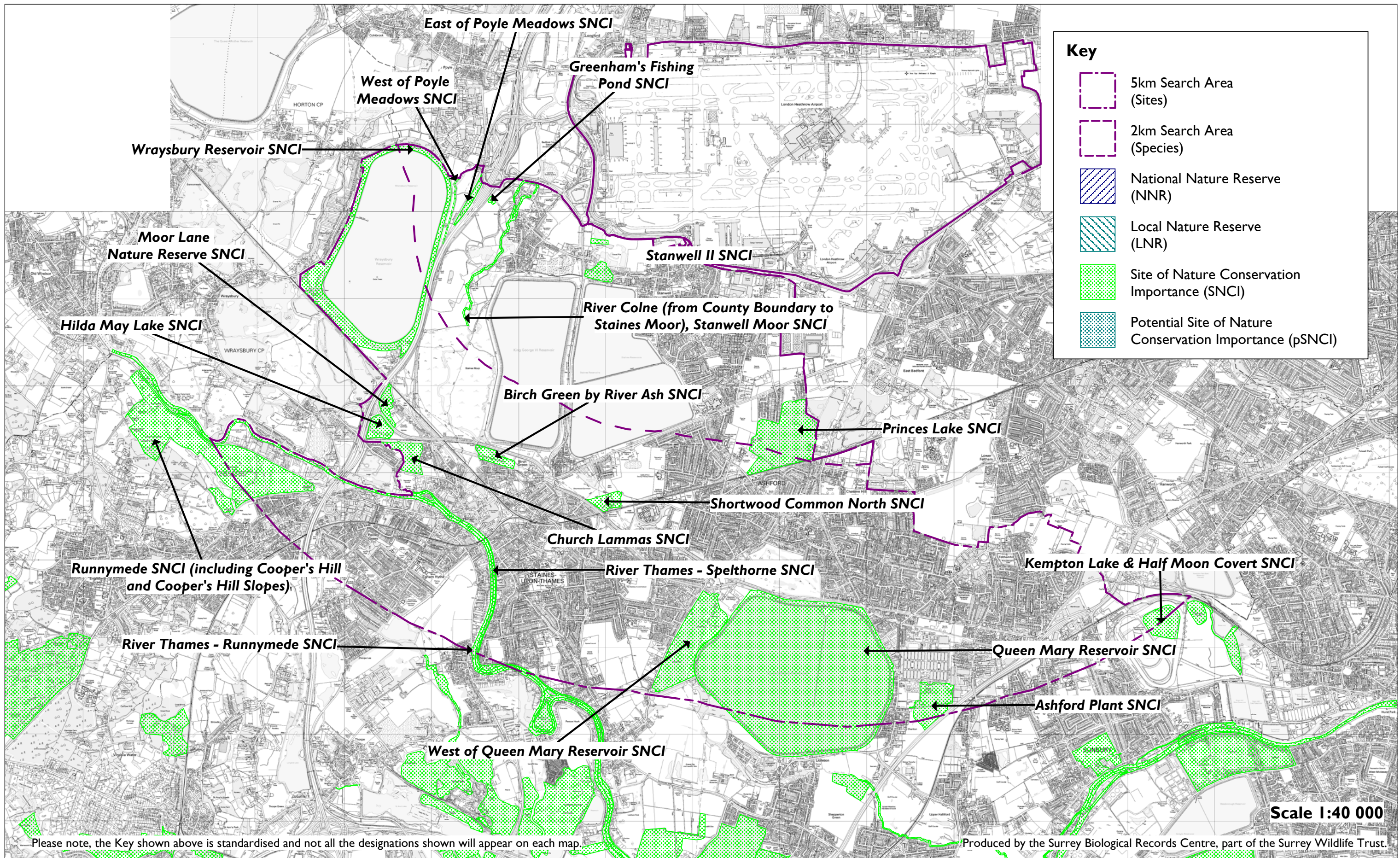
Heathrow Ltd. Non-statutory Designated Wildlife Sites Berkshire



-  Local Wildlife Sites
-  Conservation Target Areas
-  Heathrow Ltd. Site
-  Search Area

Scale: 1:60000

Biodiversity Figure 7
Heathrow NWR
Non-statutory Designated
Wildlife Sites Berkshire



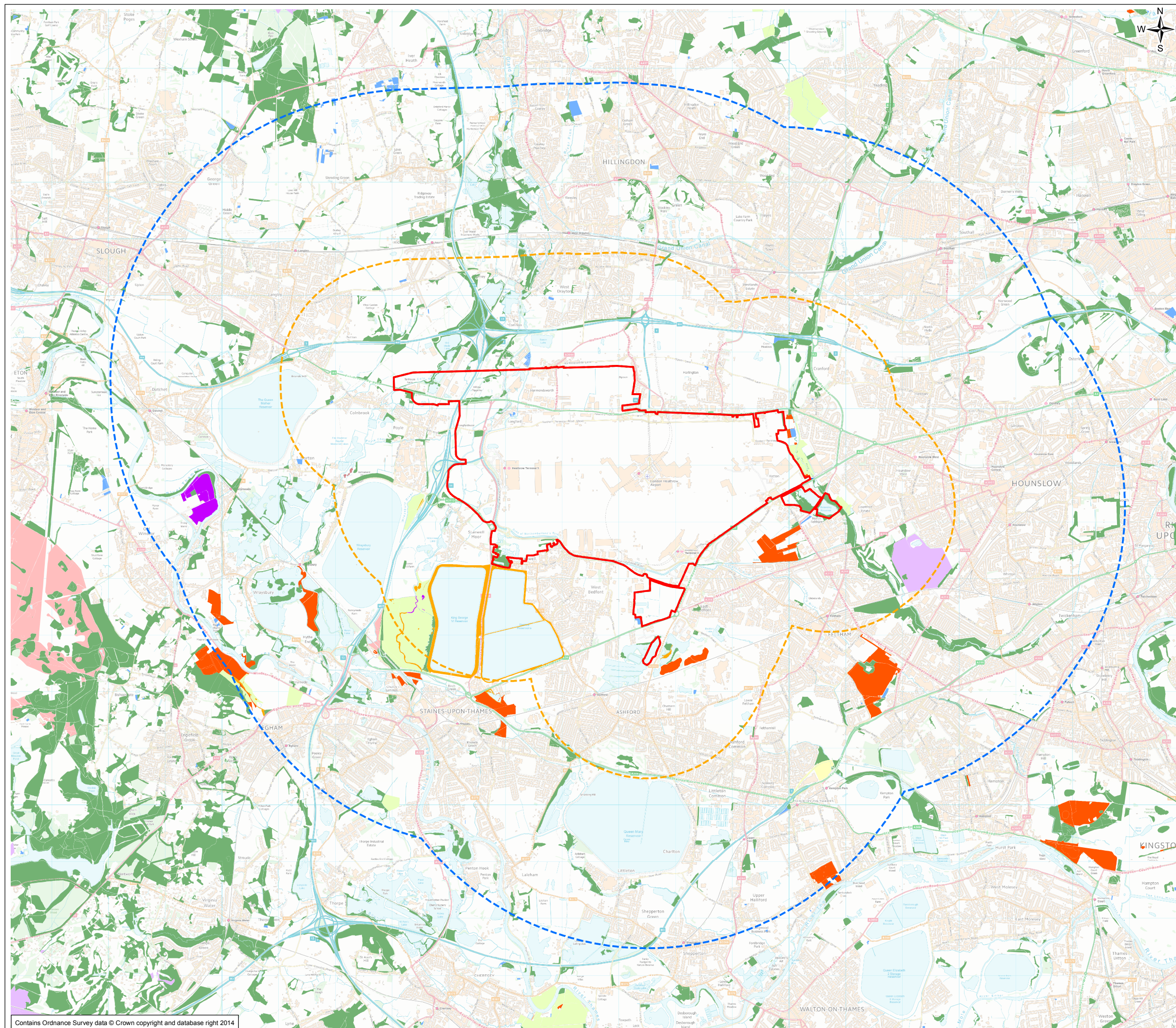
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Background Ecological Data Search; Heathrow Airport Non-Statutory Designated Sites

Biodiversity Figure 8
Heathrow NWR
Non-statutory
Designated Sites



FIGURE 9



Legend

- Proposed Boundary
- Buffers**
- 2000m
- 5000m
- Priority Habitats**
- Coastal and Floodplain Grazing Marsh
- Deciduous Woodland
- Good Quality Semi-Improved Grassland
- Lowland Calcareous Grassland
- Lowland Dry Acid Grassland
- Lowland Fens
- Lowland Heathland
- Lowland Meadows
- Mudflats
- Purple Moor Grass and Rush Pastures
- Reedbeds
- Traditional Orchards

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Drawing Title **Biodiversity Figure 9
Heathrow NWR Priority Habitats**

Drawing Status **FINAL**

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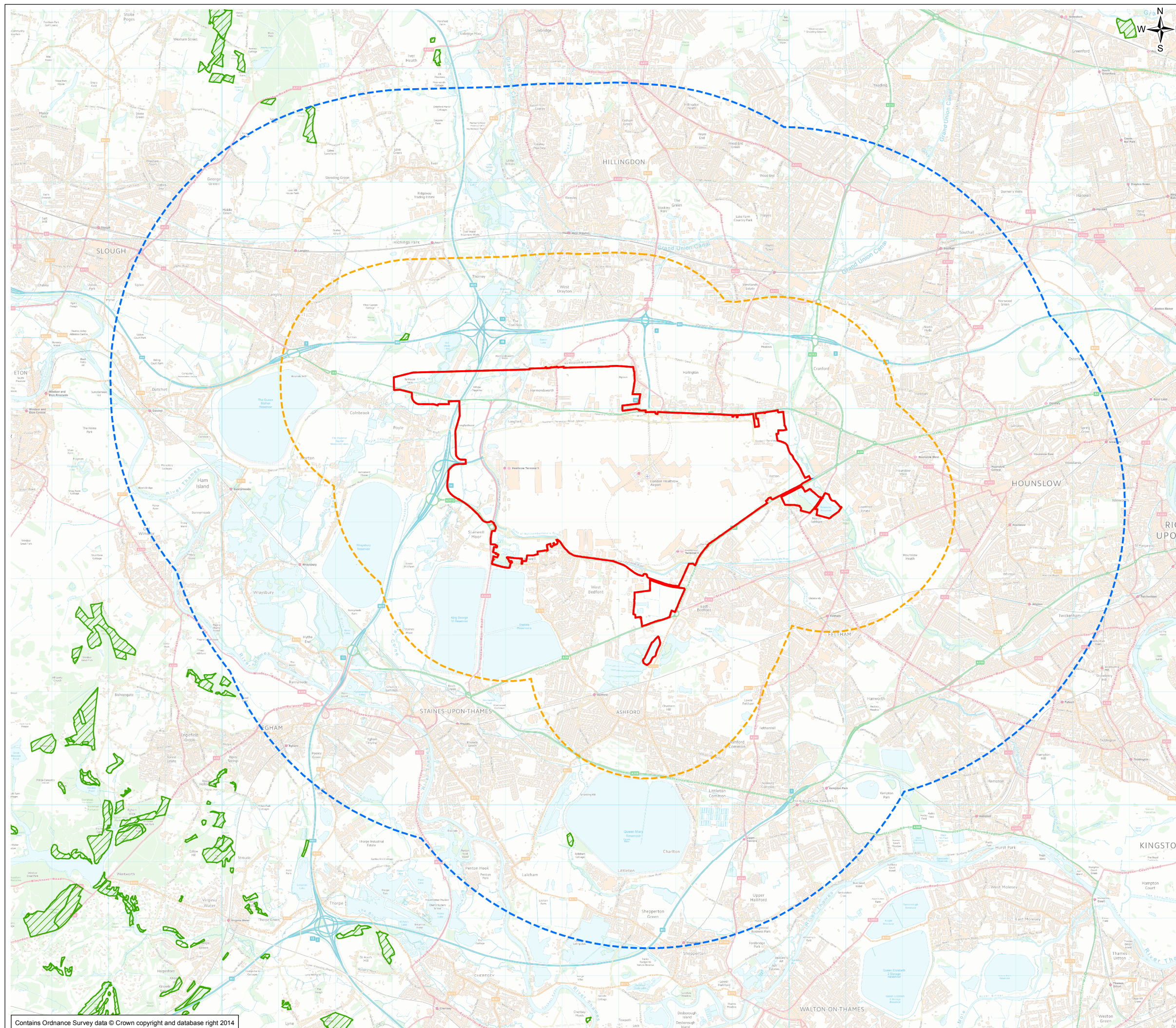
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FIGURE 10

Legend

- Proposed Boundary
- Buffers**
- 2000m
- 5000m
- Ancient Woodland



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Heathrow NWR Ancient Woodland**

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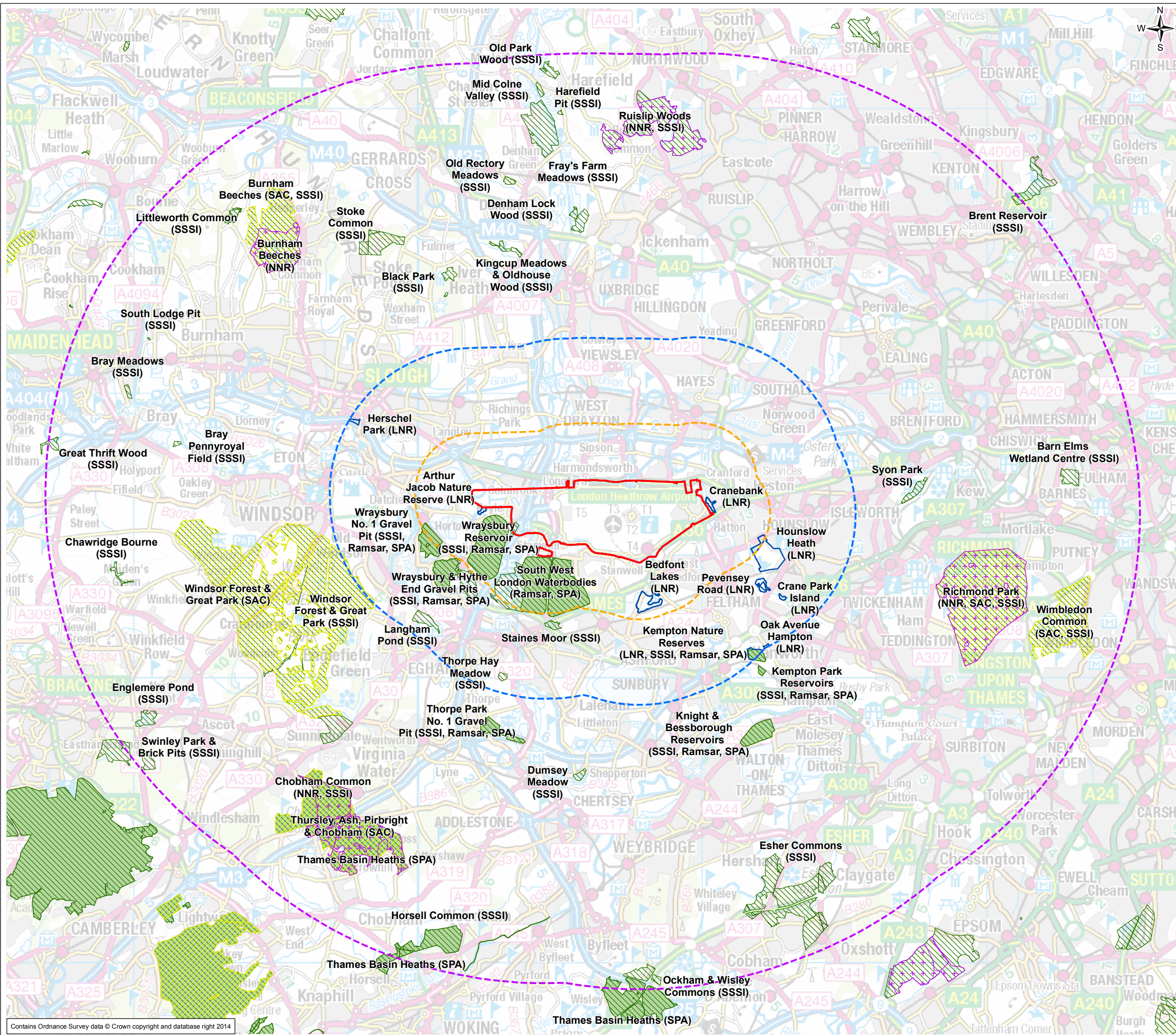
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FIGURE 11



- Legend**
- Proposed Boundary
 - Buffers**
 - 2000m
 - 5000m
 - 15000m
 - Designations**
 - Local Nature Reserve (LNR)
 - National Nature Reserve (NNR)
 - Special Area of Conservation (SAC)
 - Site of Special Scientific Interest (SSSI)
 - Special Protection Area (SPA)
 - Ramsar

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Biodiversity Figure 11 - Heathrow ENR Environmental Designations

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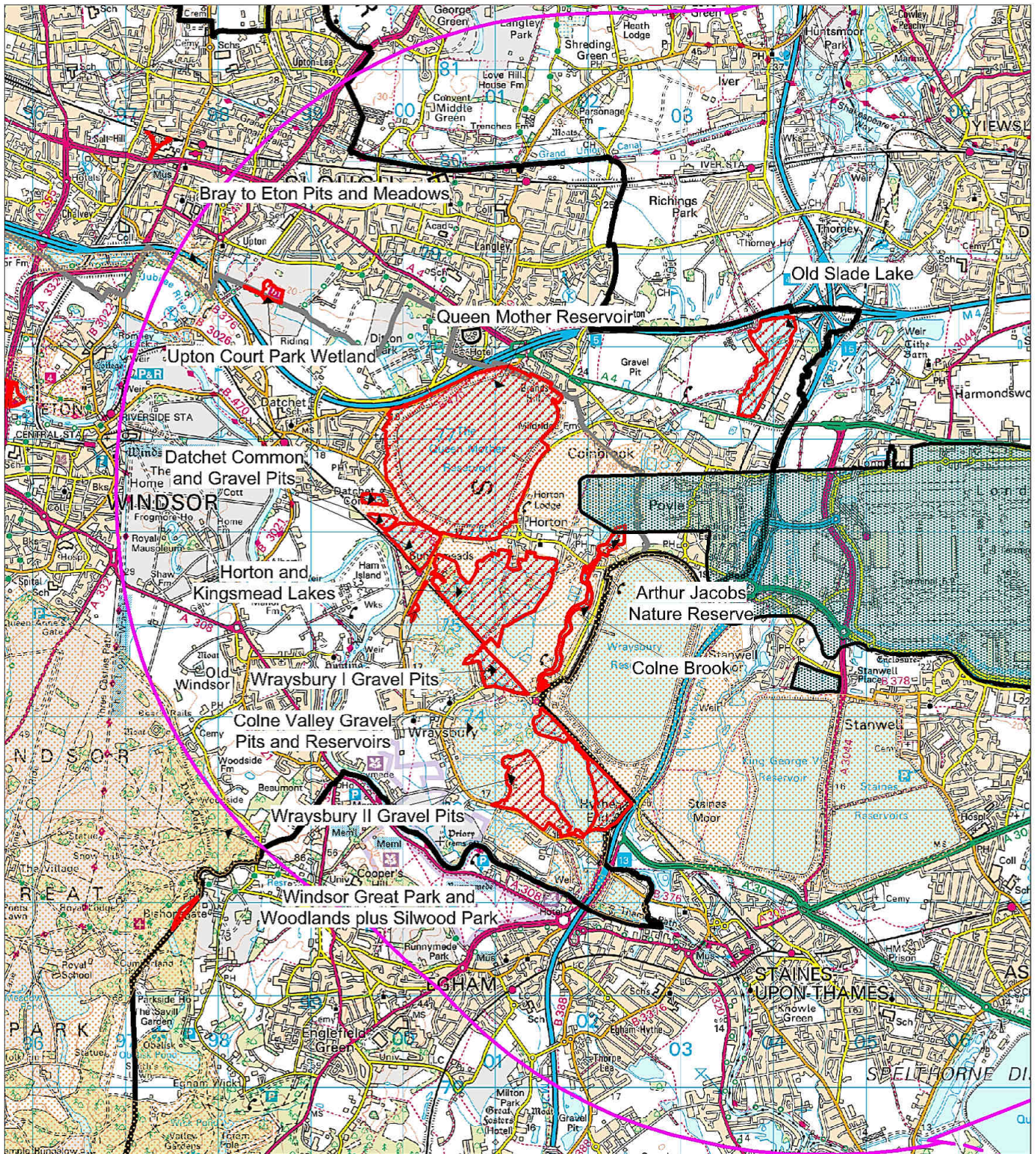
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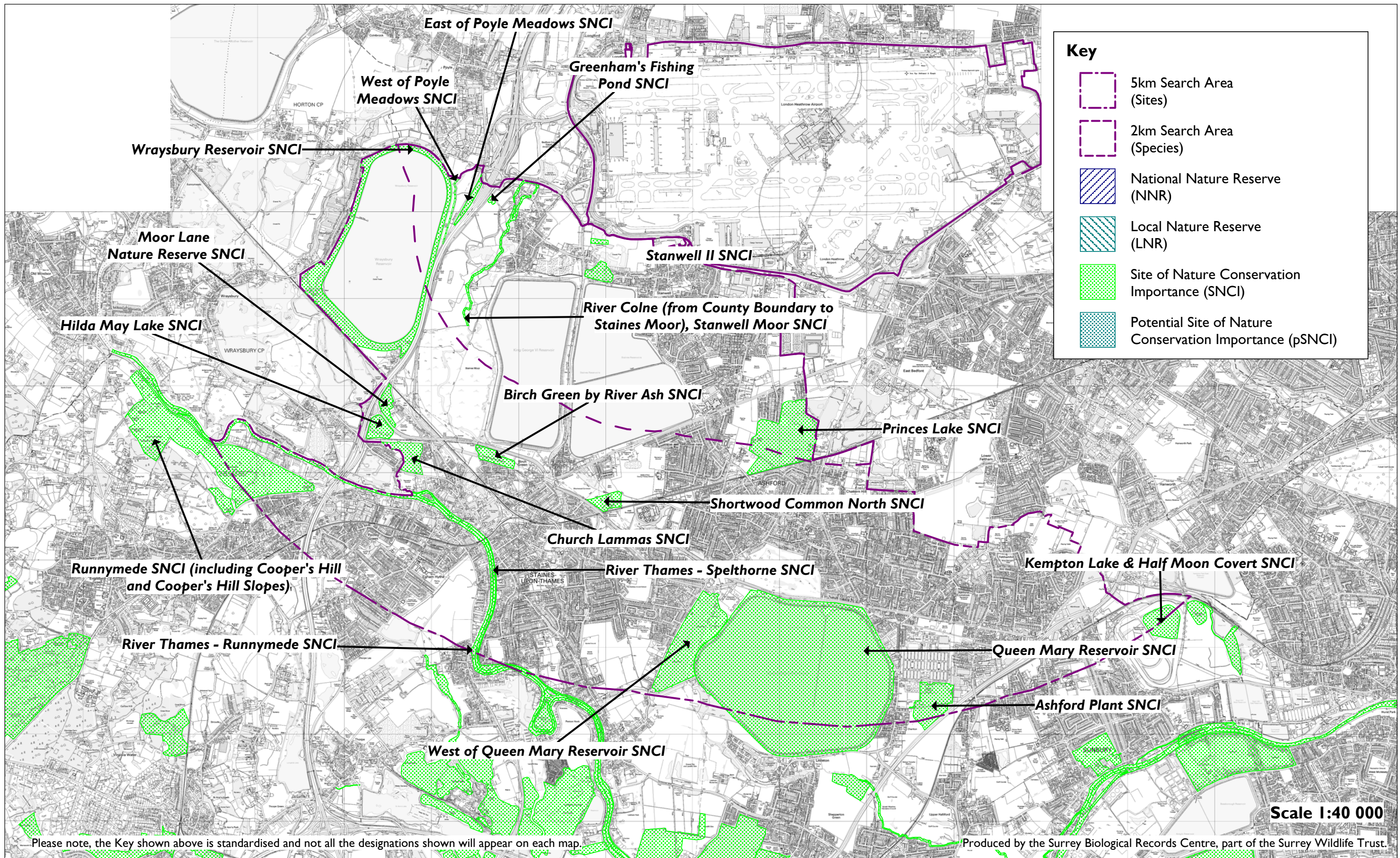
Heathrow Hub Non-statutory Designated Wildlife Sites Berkshire



- Local Wildlife Sites
- Conservation Target Areas
- Heathrow Hub Site
- Search Area

Scale: 1:60000

Biodiversity Figure 12
Heathrow ENR
Non-statutory Designated
Wildlife Sites Berkshire



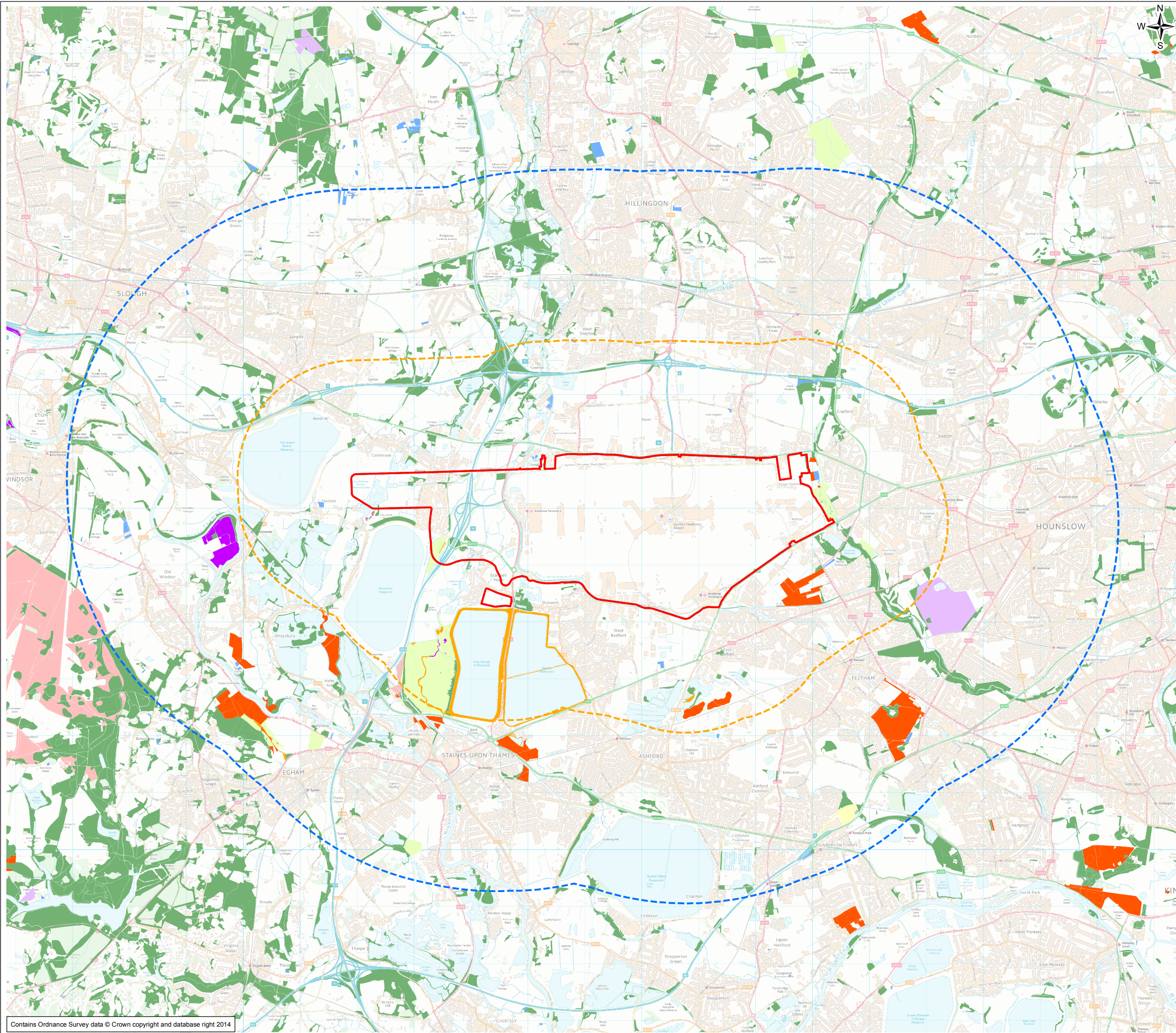
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Background Ecological Data Search; Heathrow Airport Non-Statutory Designated Sites

Biodiversity Figure 13
Heathrow ENR
Non-statutory
Designated Sites



FIGURE 14



Legend

- Proposed Boundary
- Buffers**
- 2000m
- 5000m
- Priority Habitats**
- Coastal and Floodplain Grazing Marsh
- Deciduous Woodland
- Good Quality Semi-Improved Grassland
- Lowland Calcareous Grassland
- Lowland Dry Acid Grassland
- Lowland Fens
- Lowland Heathland
- Lowland Meadows
- Mudflats
- Purple Moor Grass and Rush Pastures
- Reedbeds
- Traditional Orchards

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Biodiversity Figure 14 - Heathrow ENR Priority Habitats

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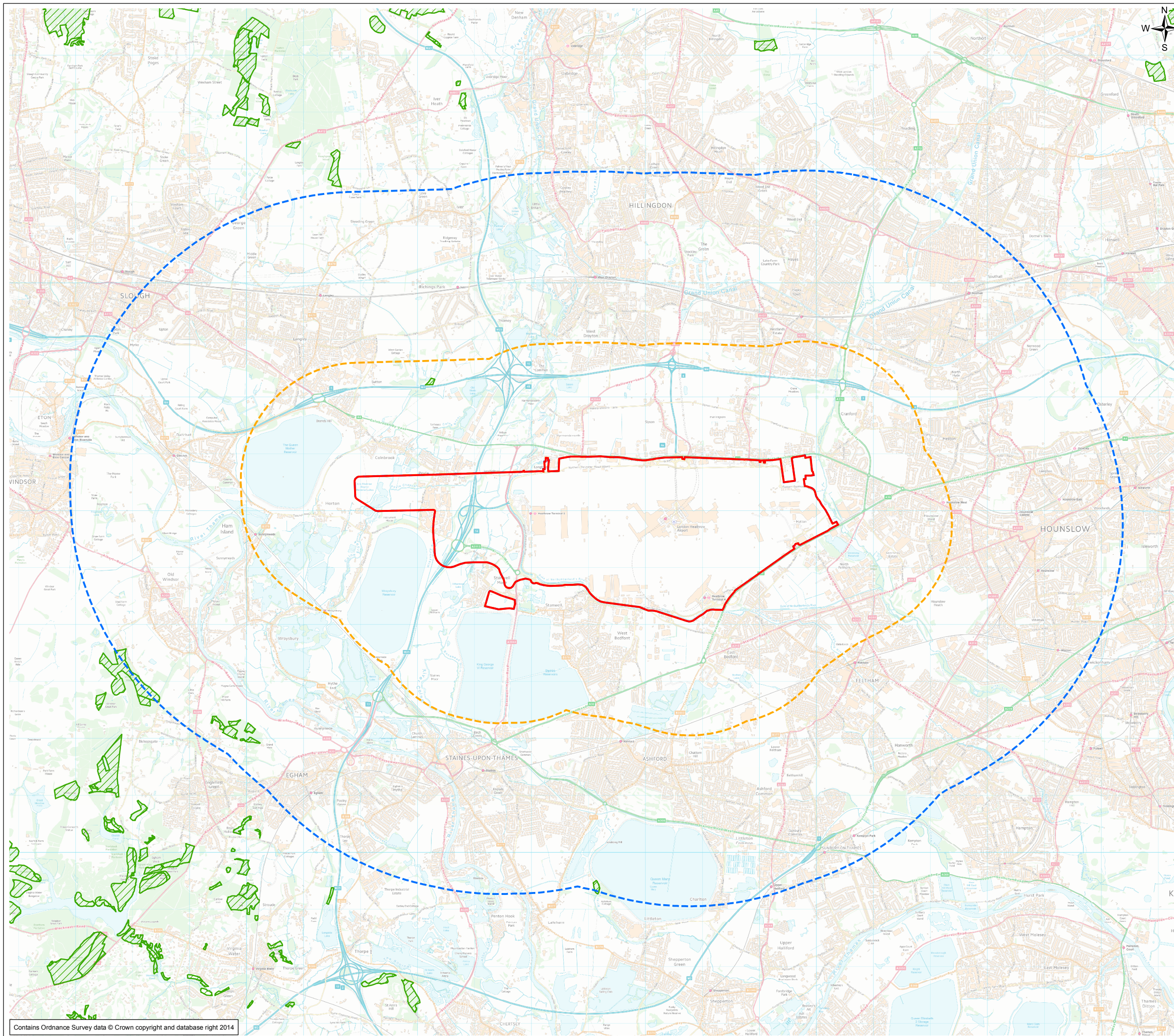




FIGURE 15


Legend

 Proposed Boundary

Buffers

 2000m

 5000m

 Ancient Woodland

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Drawing Title **Biodiversity Figure 15
 Heathrow ENR Ancient Woodland**

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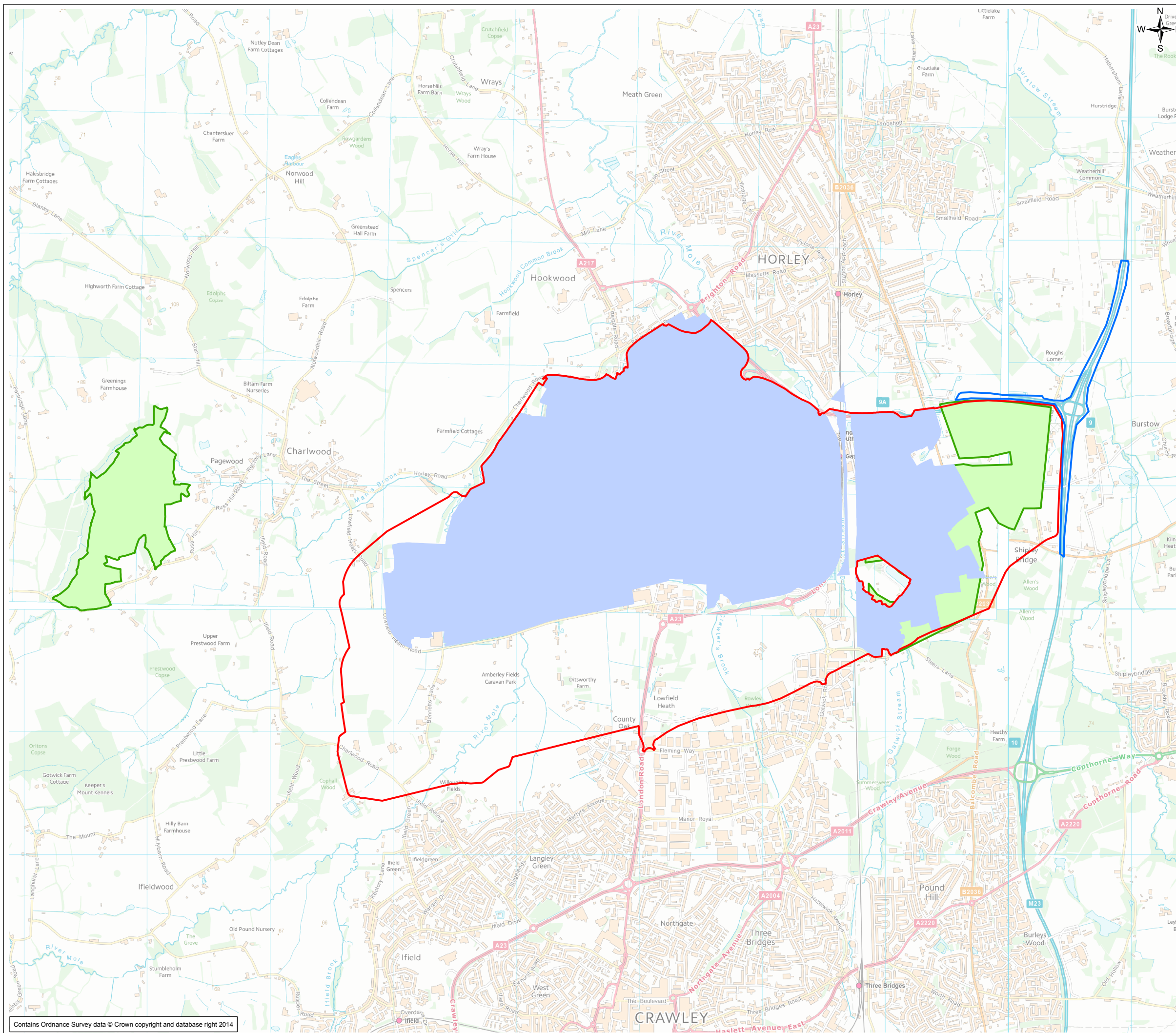
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FIGURE 16

Legend

- Surface Access Routes
- Proposed boundary
- Gatwick - Existing Boundary
- Compensation Areas



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GAL Potential Compensation Areas Location						
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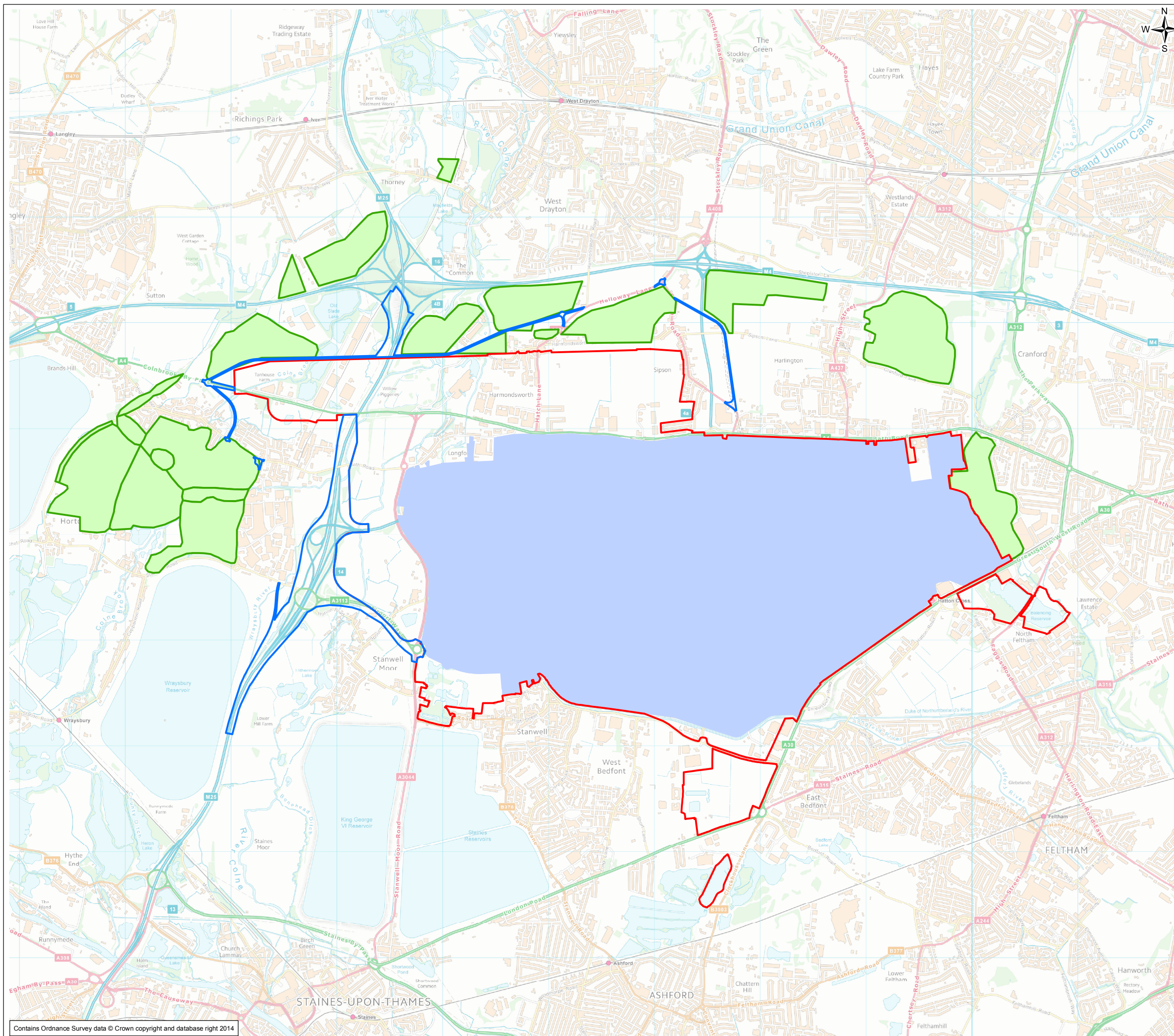
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FIGURE 17

Legend

- Surface Access Routes
- Heathrow Limited - Proposed boundary
- Heathrow - Existing Boundary
- Compensation Areas



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Drawing Title
**HAL
 Potential Compensation Areas Location**

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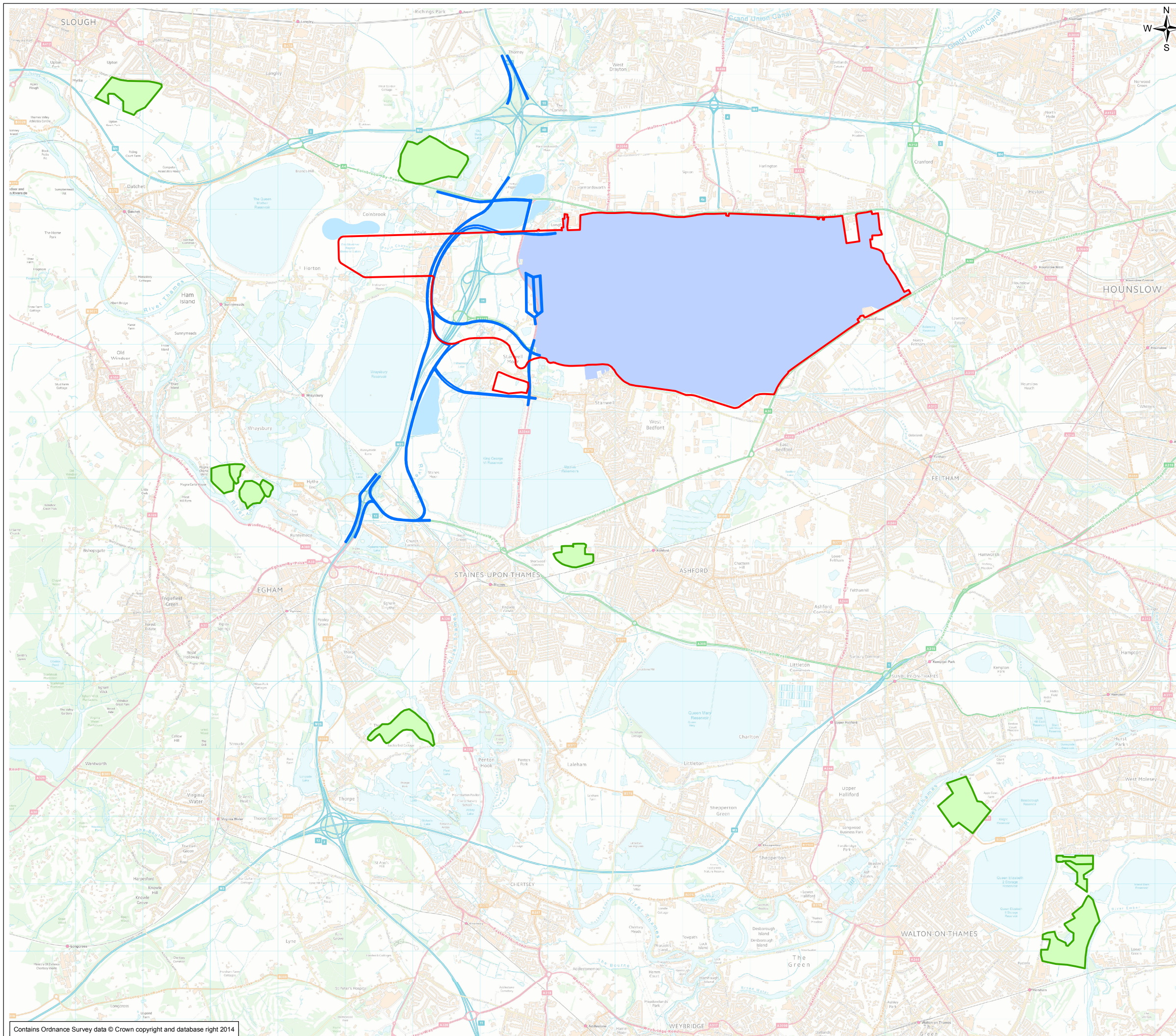
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FIGURE 18

Legend

- Proposed boundary
- Surface Access Routes
- Flood Areas
- Heathrow - Existing Boundary
- Compensation Areas



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