Heathrow West



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

October 2026

Contents

Traffic and Transport

Figure 21.1 Highway Study Area

Figure 21.2 Existing Highway Network

Water Environment

Figure 22.1 Study Areas

Figure 22.2 Surface Water Features

Figure 22.3 Watercourse Location

Figure 22.4 Superficial Geology and Aquifer Designations

Figure 22.5 Solid Geology and Aquifer Designations

Figure 22.6 WFD Water Bodies

Figure 22.7 Flood Zones

Figure 22.8 Risk of Flooding from Rivers and Sea

Figure 22.9 Risk of Flooding from Surface Water

Figure 22.10 Reservoir Flood Risk

Figure 22.11 Hydrology - Groundwater Source Protection Zones and Groundwater Abstractions

Figure 22.12 Potential Receptor Groups

Cumulative and In-Combination Effects

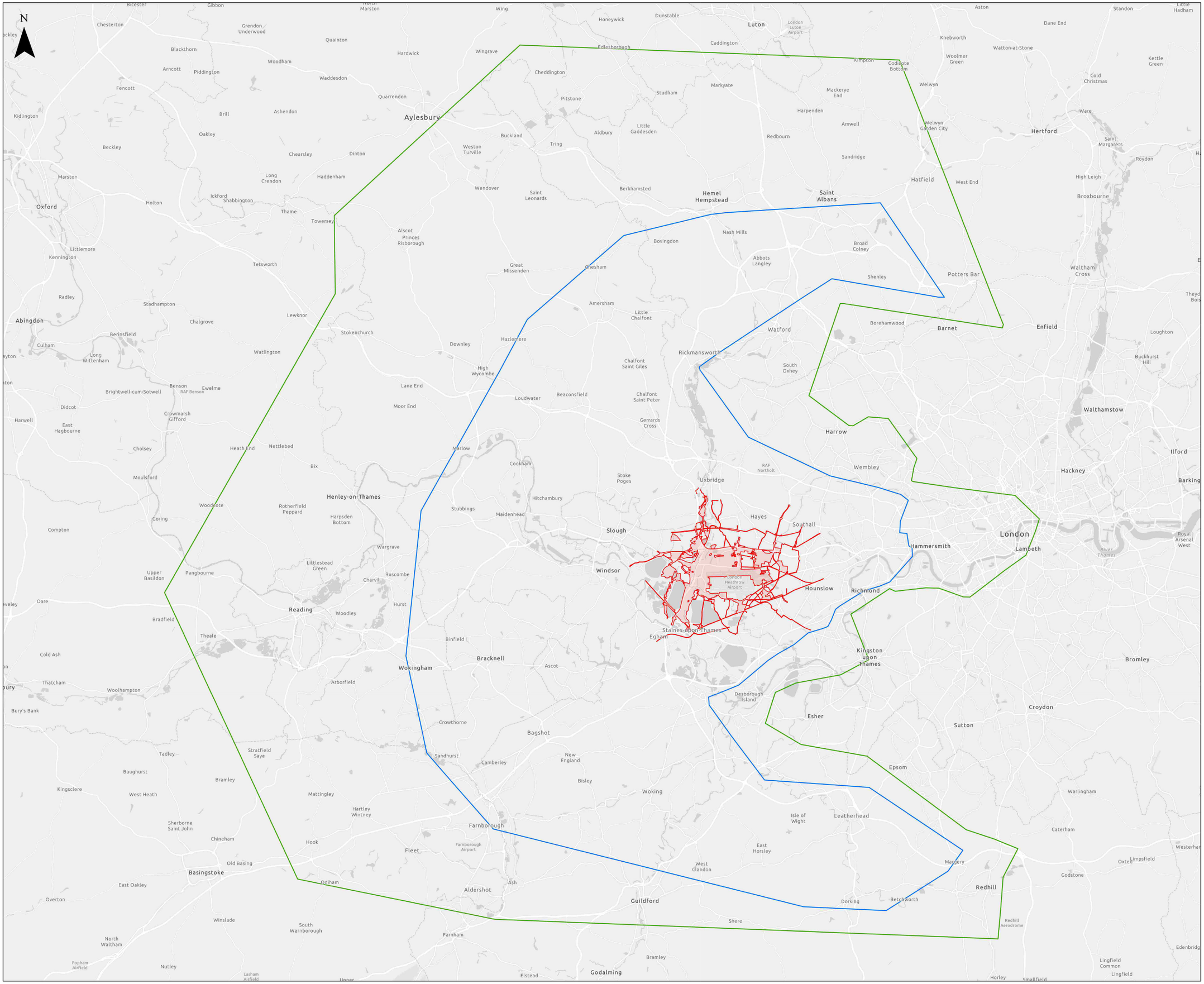
Figure 24.1 Tier 1 Schemes for Consideration

Figure 24.2 Tier 2 Schemes for Consideration

Traffic and Transport

Figure 21.1 Highway Study Area

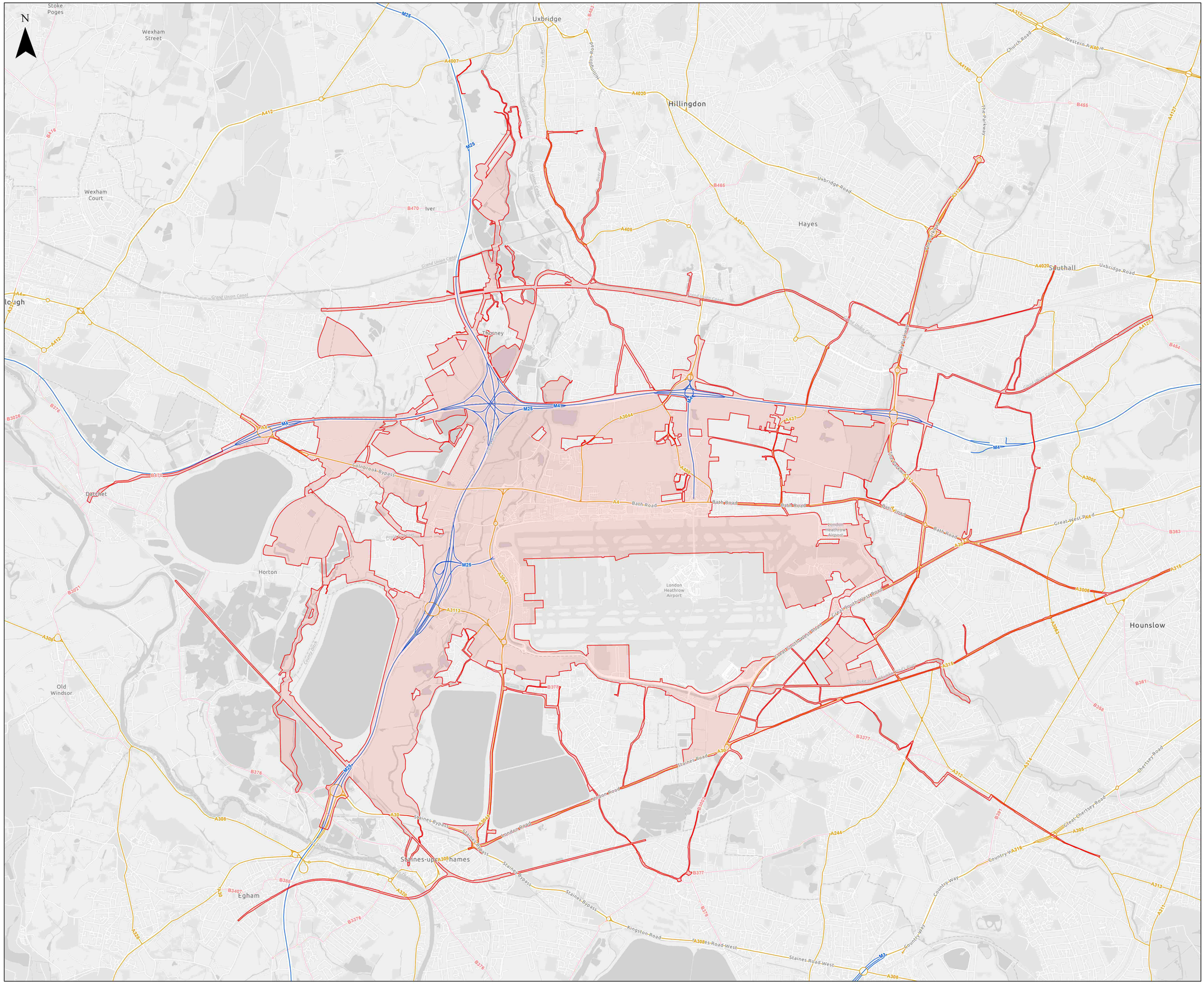
Figure 22.2 Existing Highway Network

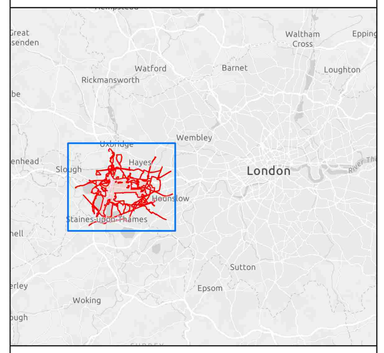


Ref: Figure 21.1	Date: 07/10/2026
Drawn by: TB	Checked by: ED

Highway Study Area

Heathrow West





Key

- EIA Scoping Boundary

Road Classification

- Motorway
- A Road
- B Road

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0 1 2 km

Scale: 1:25,000@ A1

Ref: Figure 21.2	Date: 07/10/2026
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Existing Highway Network

Heathrow West

Water Environment

Figure 22.1 Study Areas

Figure 22.2 Surface Water features

Figure 22.3 Watercourse Location

Figure 22.4 Superficial Geology and Aquifer Designations

Figure 22.5 Solid Geology and Aquifer Designations

Figure 22.6 WFD Water Bodies

Figure 22.7 Flood Zones

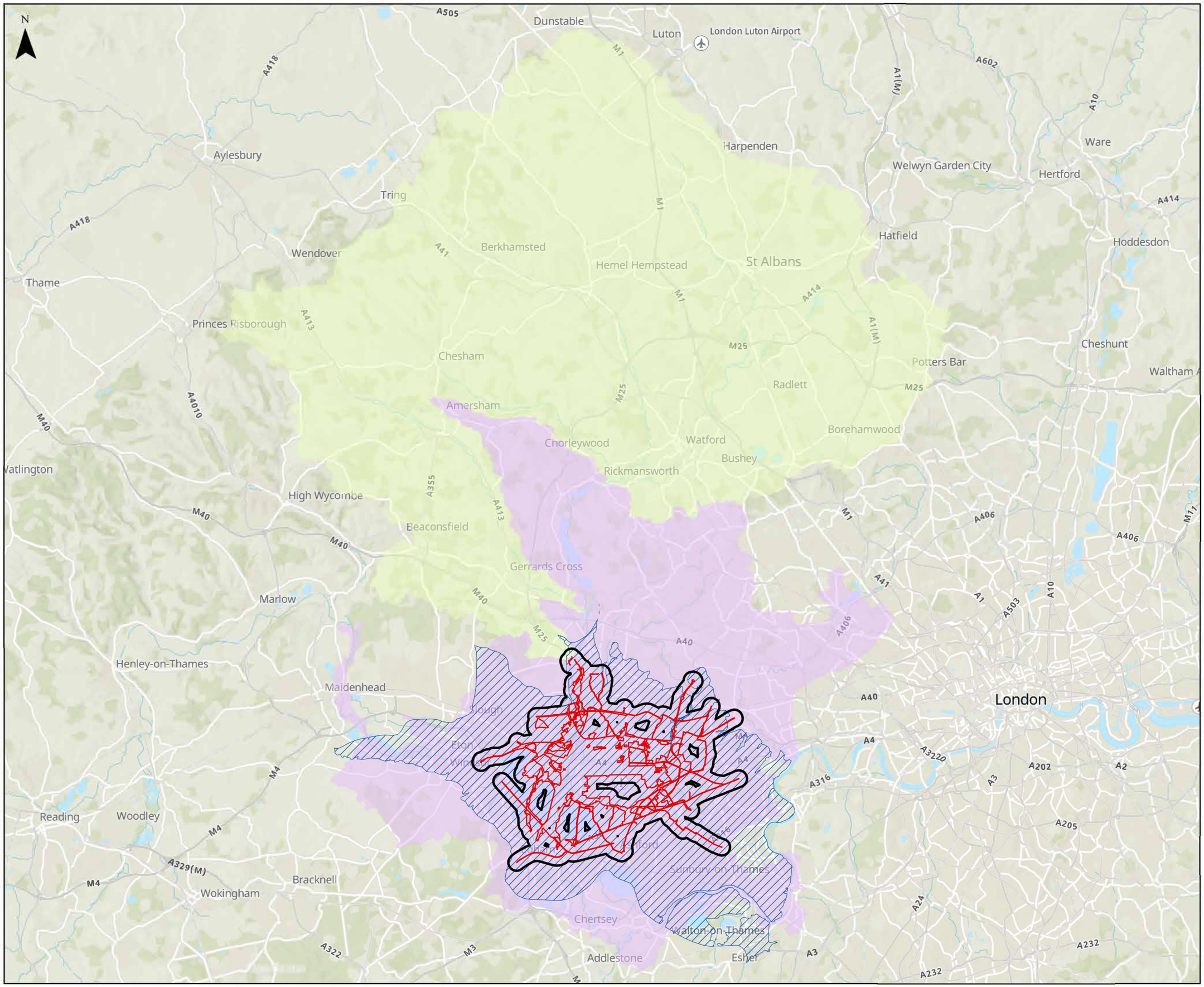
Figure 22.8 Risk of Flooding from Rivers and Sea

Figure 22.9 Risk of Flooding from Surface Water

Figure 22.10 Reservoir Flood Risk

Figure 22.11 Hydrology - Groundwater Source Protection Zones and Groundwater Abstractions

Figure 22.12 Potential Receptor Groups



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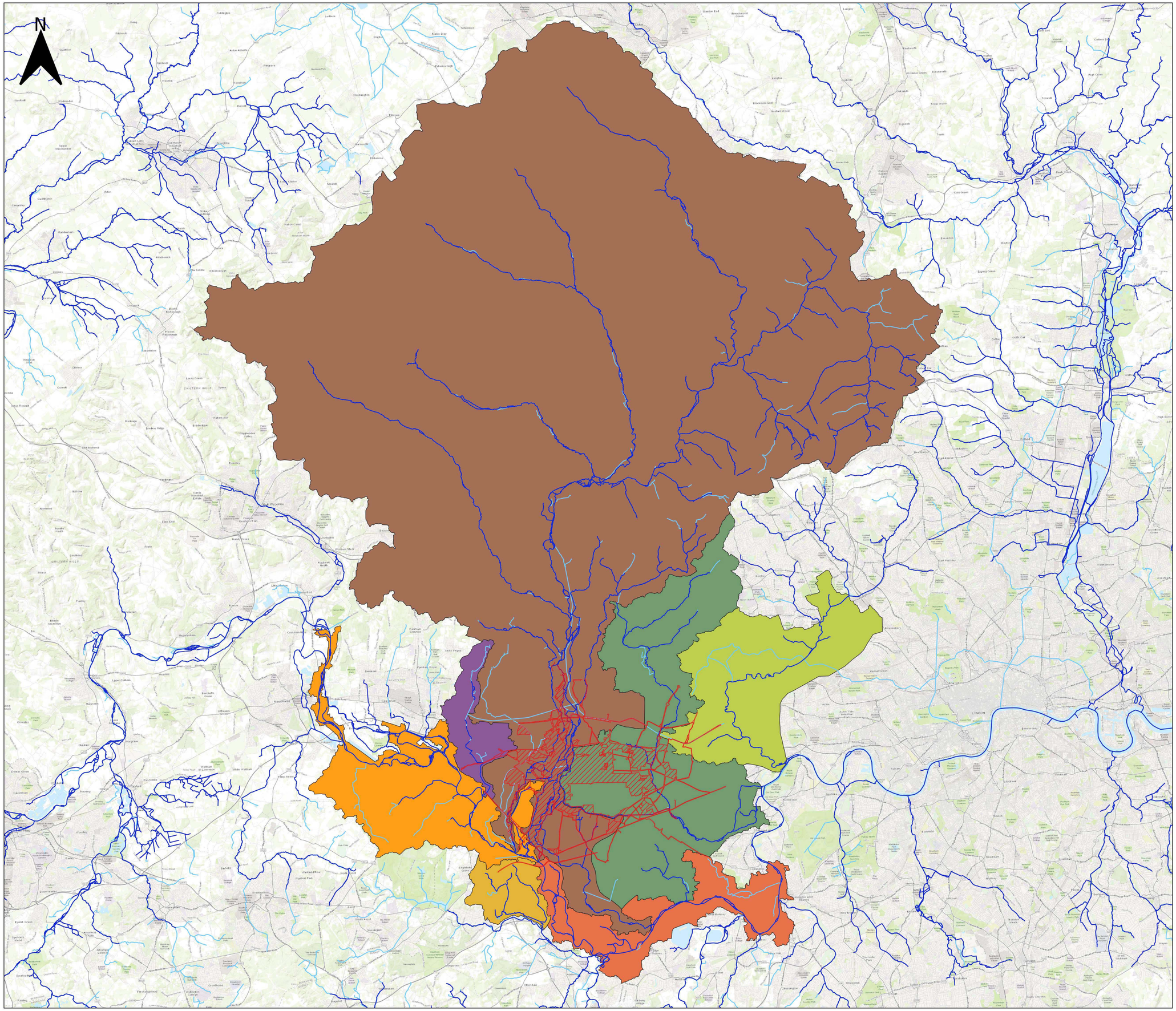
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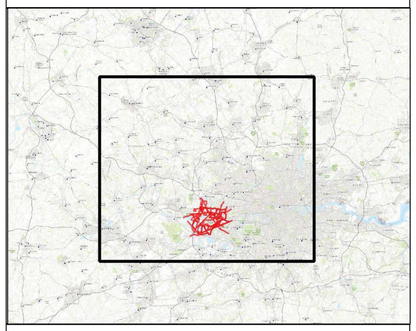
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Ref: Figure 22.1	Date: 01/10/2026
Drawn by: ML	Checked by: KT

Study Areas

Heathrow West





Key

- Scoping Boundary
- EA Main Rivers
- Watercourses
- Colne catchment
- Crane catchment
- Datchet Common Brook catchment
- Lower Brent catchment
- Thames Cookham to Egham catchment
- Thames Egham to Teddington catchment
- The Moat at Egham catchment

Base map: ESRI World Topo. Sources: Esri, DeLorme, HERE, TomTom, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, MapmyIndia, and the GIS User Community
CRS:OSGB36 / British National Grid

0 3,000 6,000 m

Scale:1:104,761.9 @A1

Ref: Figure 22.2	Date: 01/10/2026
Drawn by: AG	Checked by: MU

Surface water features

Heathrow West

N

Datchet Common Brook
Wexham Street
Stoke Green
Wexham Court
George Green
Love Green
Iver
Shreding Green
Upton Lea
Middle Green
Colne Brook
River Colne
Fray's River
River Pinn
Uxbridge Moor
Cowley
Cowley Peachey
Colham Green
Hayes End
Yeading
Yeading Brook
Grand Union Canal
Dormer's Wells
River Brent
Richings Park
Thorney
Grand Union Canal
Horton Brook
Myrke
Langley
Sutton
Bigley Ditch
Fray's River
River Colne
Duke of Northumberland's River
Frog's Ditch
River Crane
Norwood Green
North Hyde
Harlington
Heston
Cranford
London Heathrow Airport
Datchet Common Brook
The Queen Mother Reservoir
Colne Brook
County Ditch
Poyle
Poyle Channel
Horton
Bourne Ditch
River Thames
Sunnymeads
Old Windsor
Wraysbury Lake
Wraysbury Reservoir
County Ditch Staines
Colne Brook
Wraysbury River
Hithermoor Stream
Holme Lodge Ditch
Stanwell Moor
J14
M25
Hounslow West
Hatton
Lampton
Hounslow Heath
Stanwell
Longford River
Duke of Northumberland's River
West Bedfont
East Bedfont
Whitton
Wraysbury No 2
Burfield Road Ditch
Stanwell Moor Ditch
King George VI Reservoir
Staines Reservoir North
Staines Reservoir South
River Colne
Bonehead Ditch
Stanwell Brook
Heron Lake
Queensmead
River Thames
Bishopsgate
Sunnymede
Staines-upon-Thames
Birch Green
Egham
Englefield Green
Royal Holloway
Egham Hythe
Knowle Green
River Ash
Ashford
Chattern Hill
Lower Feltham
Hanworth
Hampton Hill
Fulwell Park
Longford River
Portlane Brook
Felthamhill
Felthamhill Brook
Kempton Park East Reservoir
Littleton Common
Kempton Park
Sunbury-on-Thames
Queen Mary Reservoir
Hurst Ditch
Meadlake Ditch
Sweeps Ditch
Thorpe Lea
Whitton
Osterley



Key

- Scoping Boundary
- FRSA
- EA Statutory Main River
- Ordinary Watercourse
- Lakes/Reservoirs Designated as WFD Water Bodies
- Other Lakes

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0 1,000 2,000 m

Scale: 1:50,000@ A3

Ref: Figure 22.3	Date: 07/10/2026
Drawn by: ML	Checked by: KT

Watercourse Locations

Heathrow West

N

Maidenhead
Slough
Eton
Windsor
Egham
Staines-upon-Thames
Ashford
Sunbury-on-Thames
Chertsey
Walton-on-Thames
Addlestone
Weybridge
Esher

Aquifer designations and abstraction points will be added at the assessment stage when data is available



Key

- Scoping Boundary
- Scoping Boundary 250m Buffer
- Local Planning Authority Boundaries
- Groundwater Study Area

Superficial Geology

- Alluvium
- Beaconsfield Gravel Member
- Boyn Hill Gravel Member
- Black Park Gravel Member
- Winter Hill Gravel
- Gerrards Cross Gravel Member
- Head
- Kempton Park Gravel Member
- Langley Silt Member
- Lynch Hill Gravel Member
- Peat
- River Terrace Deposits 6
- River Terrace Deposits 7
- River Terrace Deposits (Undifferentiated)
- Shepperton Gravel Member
- Taplow Gravel Member

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0 2,000 4,000 m

Scale: 1:85,000@ A3

Ref: Figure 22.4	Date: 01/10/2026
Drawn by: LW	Checked by: MB

Superficial Geology and Aquifer Designation

Heathrow West

N

Maidenhead
Slough
Eton
Windsor
Egham
Staines-upon-Thames
Ashford
Sunbury-on-Thames
Chertsey
Walton-on-Thames
Addlestone
Weybridge
Esher

Aquifer designations and abstraction points will be added at the assessment stage when data is available



Key

- Scoping Boundary
- Scoping Boundary 250m Buffer
- Local Planning Authority Boundaries
- Groundwater Study Area

Solid Geology

- London Clay Formation
- Lambeth Group
- Bagshot Formation
- Windlesham Formation
- St Ann's Hill Pebble Bed
- Seaford and Newhaven Chalk Formation (Undifferentiated)
- Lewes Nodular Chalk Formation

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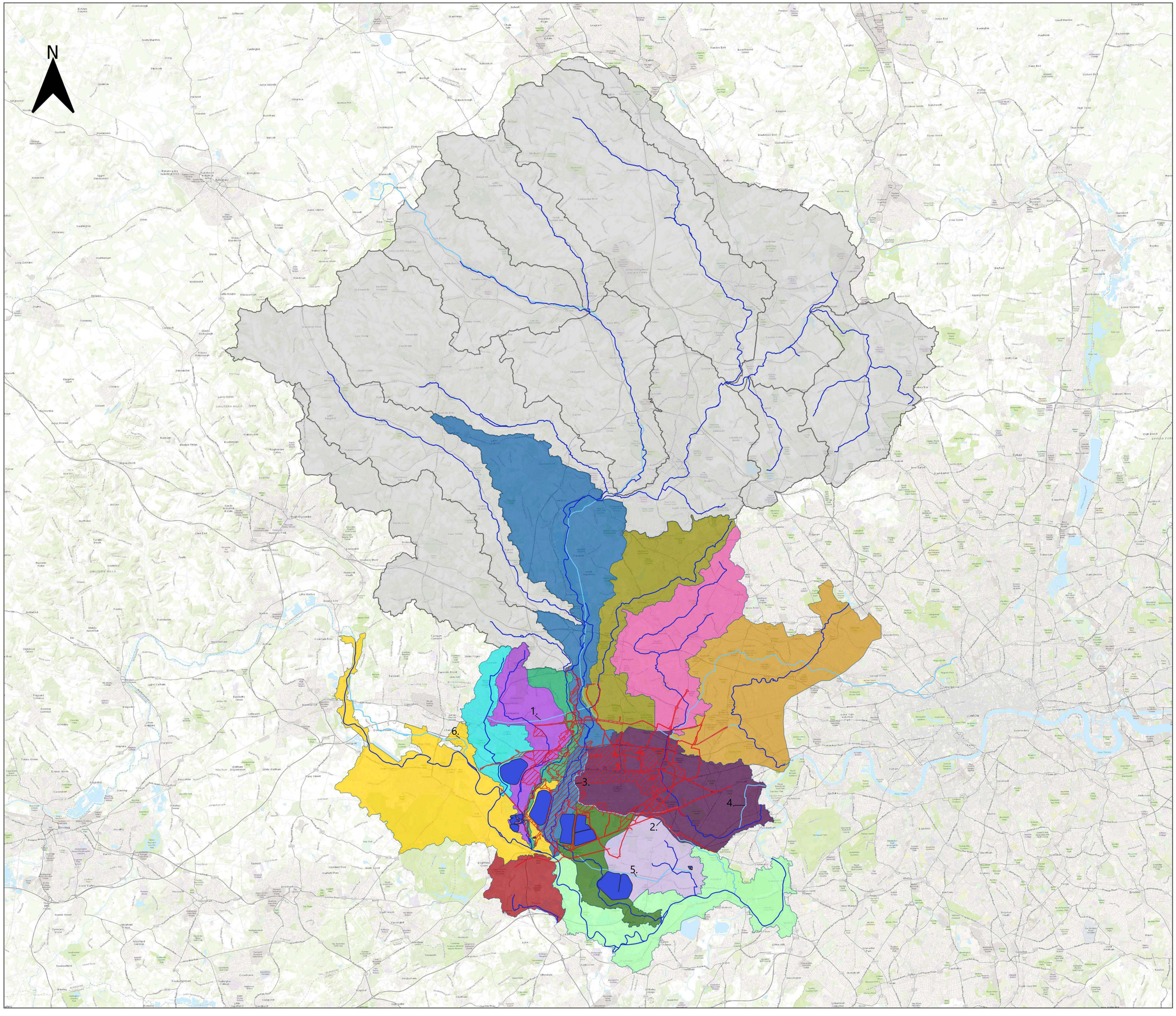
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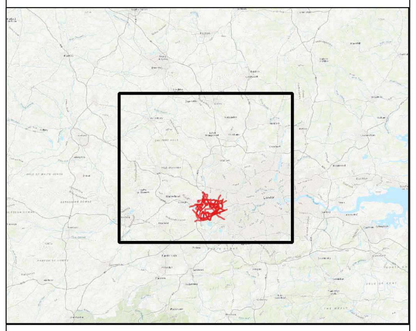
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Solid Geology and Aquifer Designation

Heathrow West





Key

- Scoping Boundary
- Wider surface water study area

WFD River Water Body Catchments

- Colne (Confluence with Chess to River Thames)
- Colne Brook
- Crane
- Datchet Common Brook
- Horton Brook
- Lower Brent
- Pinn
- Portlane Brook
- Surrey Ash
- Thames (Cookham to Egham)
- Thames (Egham to Teddington)
- The Moat at Egham
- Yeading Brook

Surface Water Transfers and Artificial Water Bodies

- 1. Grand Union Canal, Uxbridge to Hanwell Locks, Slough Arm, Paddington Arm
- 2. Longford River
- 3. Upper Duke of Northumberland's River
- 4. Lower Duke of Northumberland's River
- 5. King George IV Reservoir Water Transfer
- 6. Jubiliee River

Other WFD water bodies

- Lakes and reservoirs

Base map: ESRI World Topo. Sources: Esri, DeLorme, HERE, TomTom, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, MapmyIndia, and the GIS User Community
CRS:OSGB36 / British National Grid

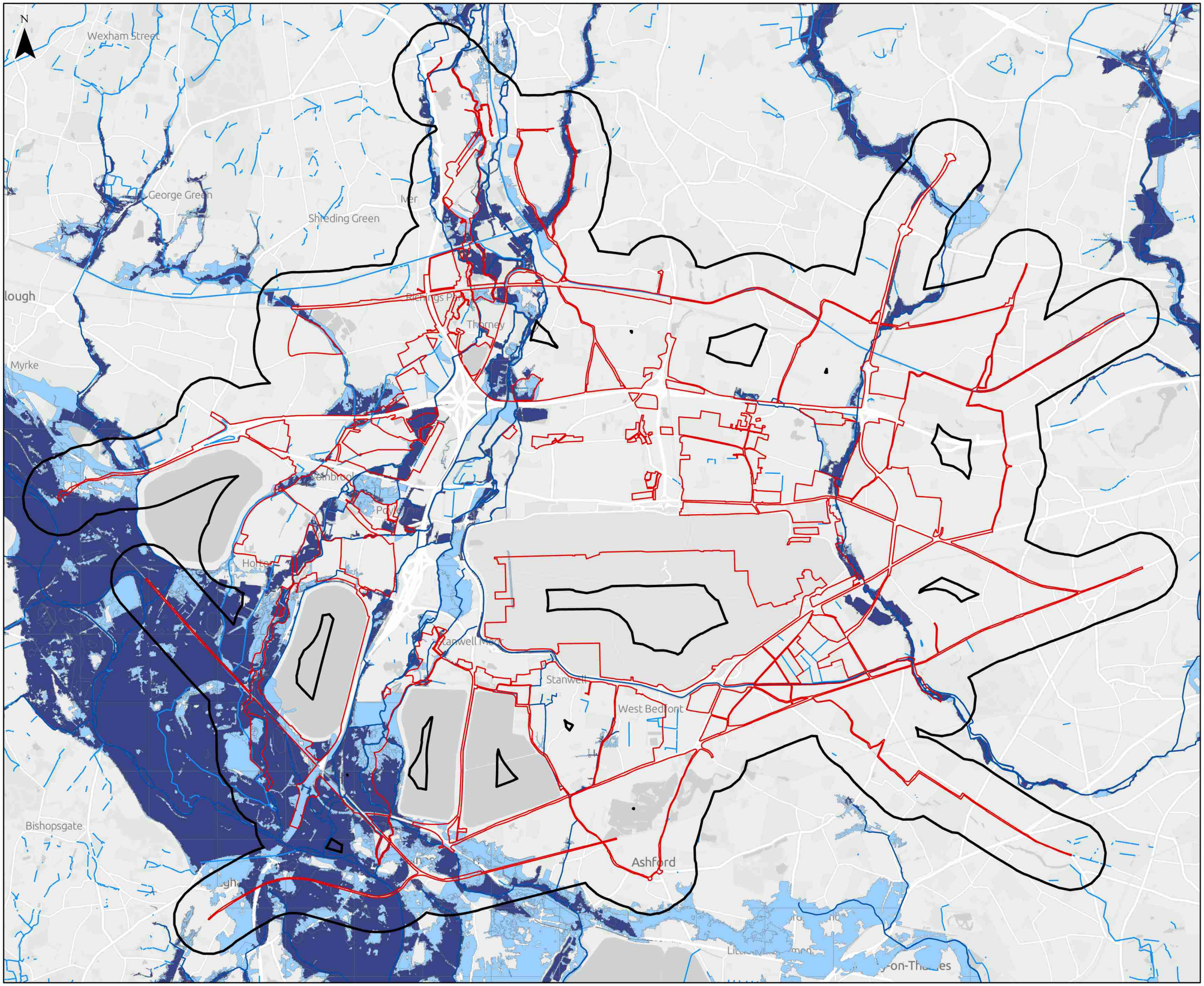
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Drawn by: AG	Checked by: MU

WFD water bodies

Heathrow West





Key

- Scoping Boundary
- FRSA
- Flood Zone 3
- Flood Zone 2
- EA Statutory Main River
- Ordinary Watercourse

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0 1,000 2,000 m

Scale: 1:50,000@ A3

Ref: Figure 22.7	Date: 07/10/2026
Drawn by: ML	Checked by: KT

Flood Zones

Heathrow West

N

Wexham Street

George Green

Shreding Green

Iver

Slough

Thorney

Myrke

Bishopsgate

Ashford

Stanwell Moor

Stanwell

West Bedfont

London

Key

Scoping Boundary

FRSA

Risk of Flooding from Rivers and Sea - Present Day Scenario

High (3.3%) - 1 in 30 Annual Probability

Medium (1%) - 1 in 100 Annual Probability

Low (0.1%) - 1 in 1000 Annual Probability

Very Low (<0.1%) - (or unshaded) - Less than 1 in 1000 Annual Probability

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0 1,000 2,000 m

Scale: 1:50,000@ A3

Ref: Figure 22.8	Date: 07/10/2026
Drawn by: ML	Checked by: KT

Risk of Flooding from Rivers and Sea

Heathrow West

N

Wexham Street
George Green
Iver
Shreding Green
Slough
Richings Park
Thorney
Myrke
Datchet
Colnbrook
Poyle
Horton
Old Windsor
Stanwell Moor
Stanwell
West Drayton
Wraysbury
Hythe End
Runnymede
Bishopsgate
Staines-upon-Thames
Ashford
Egham
Ashford Common
Littleton Common
Sunbury-on-Thames
London

Key

Scoping Boundary

FRSA

Risk of Flooding from Surface Water - Present Day Scenario

High (3.3%) - 1 in 30 Annual Probability

Medium (1%) - 1 in 100 Annual Probability

Low (0.1%) - 1 in 1000 Annual Probability

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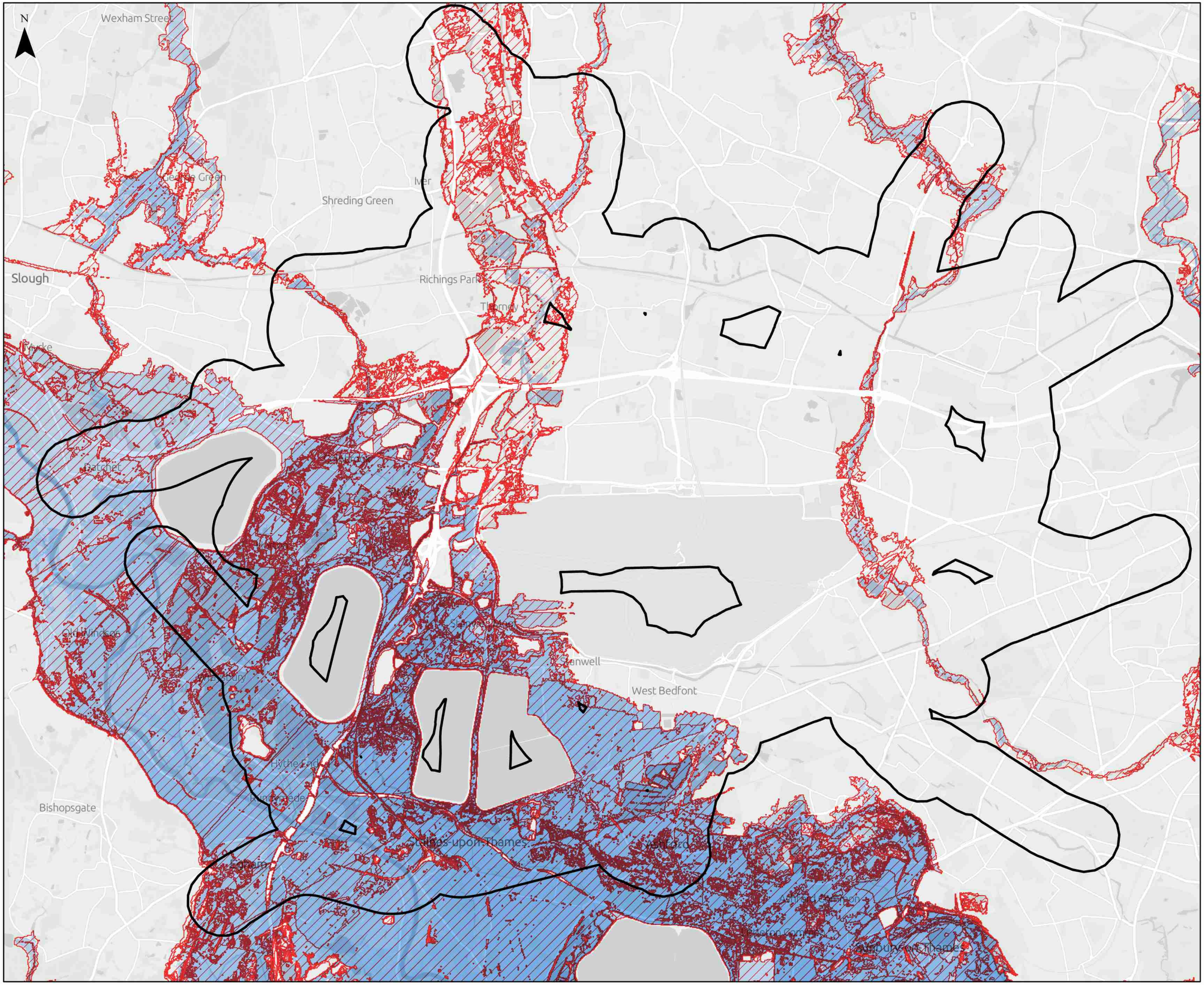
0 1,000 2,000 m

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Risk of Flooding from Surface Water

Heathrow West





Key

FRSA

Scoping Boundary

Areas at Risk of Flooding in Reservoir Failure

When There is Also Flooding from Rivers

When the River Levels are Normal

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0 1,250 2,500 m

Scale: 1:50,000@ A3

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Reservoir Flood Risk

Heathrow West

N

Maidenhead

Slough

Eton

Windsor

Staines upon Thames

Ashford

Egham

Sunbury-on-Thames

Chertsey

Walton-on-Thames

Weybridge

Addlestone

Esher

London

Aquifer designations and abstraction points will be added at the assessment stage when data is available

Key

- Scoping Boundary
- Local Planning Authority Boundaries
- Groundwater Study Area

Source Protection Zones (SPZ)

- Zone I - Inner Protection Zone
- Zone II - Outer Protection Zone
- Zone III - Total Catchment

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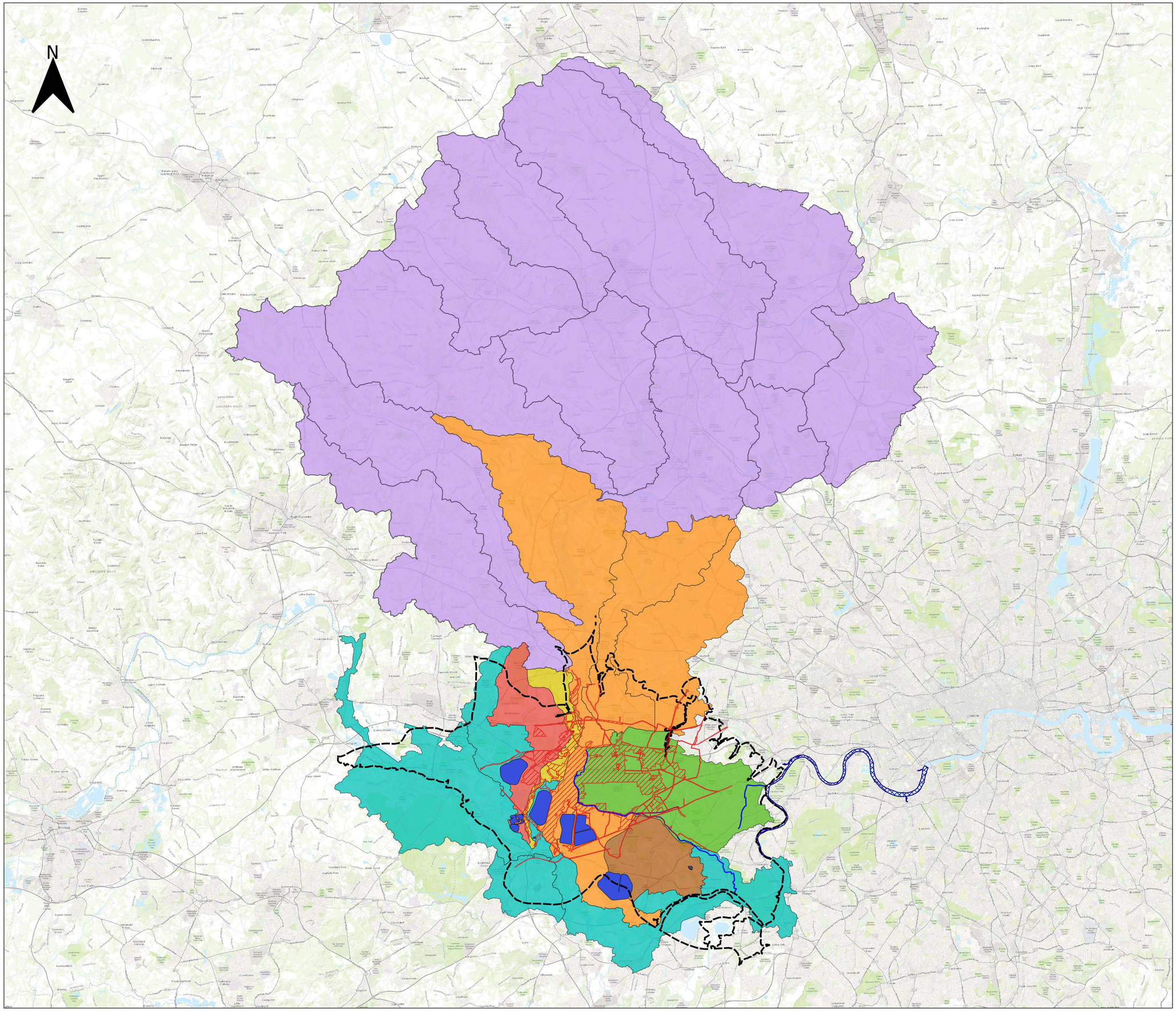
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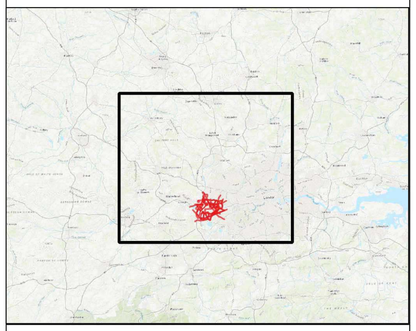
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Drawn by: LW	Checked by: MB

Groundwater Abstractions, Source Protection Zones and Discharges

Heathrow West





Key

- Scoping Boundary
- Colne Brook
- Horton Brook
- Portlane Brook
- River Colne (LSA)
- River Crane
- Upper River Colne
- Freshwater River Thames
- Tidal River Thames
- Lower Thames Gravels
- Bedrock aquifers situated below the Gravels
- Reservoirs
- Twin Rivers

Base map: ESRI World Topo. Sources: Esri, DeLorme, HERE, TomTom, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, MapmyIndia, and the GIS User Community
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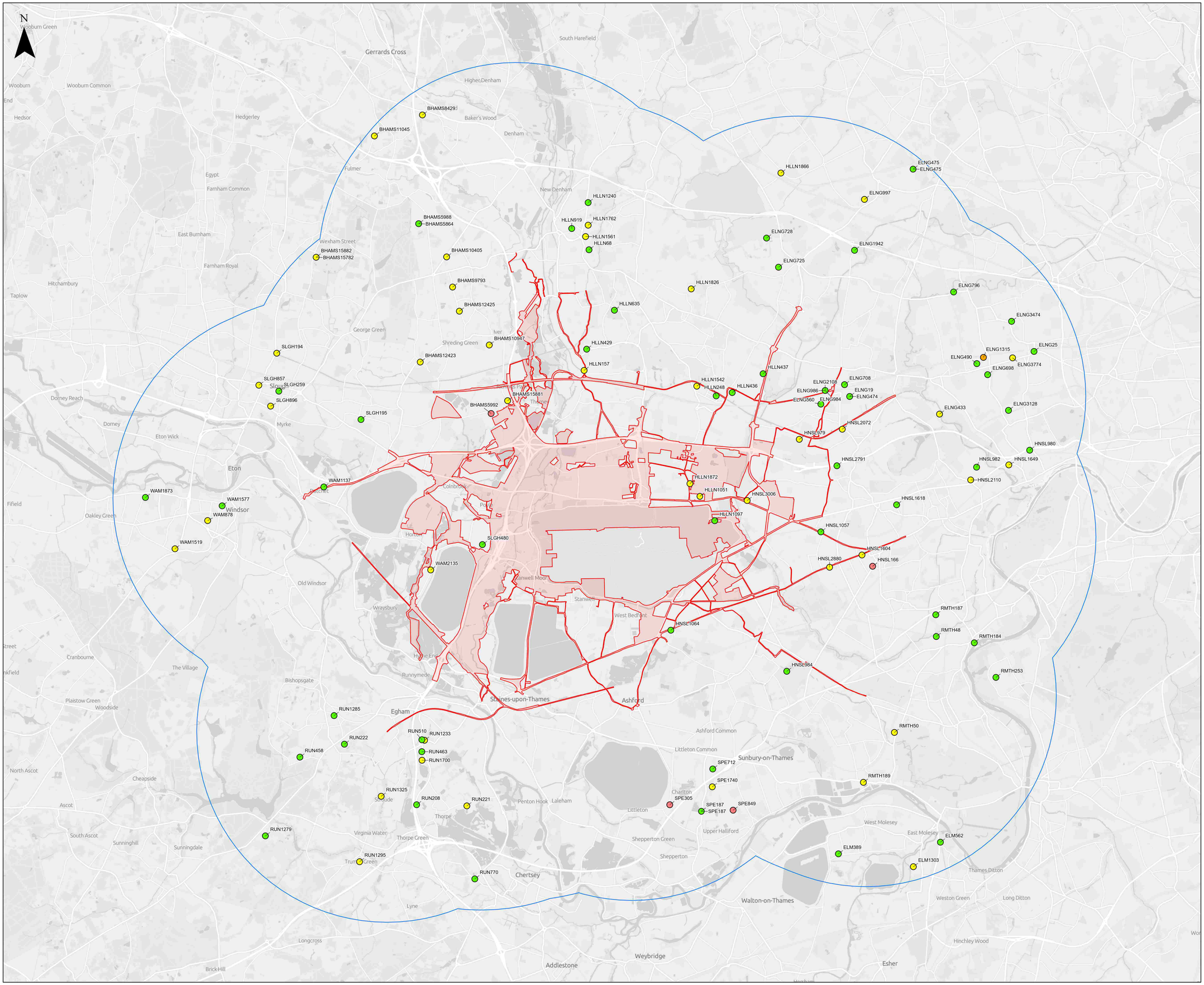
Potential Receptor Groups

Heathrow West

Cumulative and In-Combination Effects

Figure 24.1 Tier 1 Schemes for Consideration

Figure 24.2 Tier 2 Schemes for Consideration


N
Wooburn Green
Gerrards Cross
South Harefield
Higher Denham
Wooburn
Wooburn Common
End
Hedsor
Hedgerley
Baker's Wood
Denham
Fulmer
Egypt
Farnham Common
New Denham
East Burnham
Wexham Street
Farnham Royal
Hitchambury
Taplow
George Green
Iver
Shreding Green
Slough
Dorney Reach
Dorney
Myrke
Eton Wick
Eton
Fifield
Oakley Green
Windsor
Old Windsor
Wraysbury
Horton
Stanwell Moor
Stanwell
West Bedfont
Hythe End
Runnymede
Cranbourne
The Village
Bishopsgate
Plaistow Green
Woodside
Egham
Staines-upon-Thames
Ashford
Ashford Common
Littleton Common
Sunbury-on-Thames
North Ascot
Cheapside
Ascot
South Ascot
Sunninghill
Sunningdale
Virginia Water
Thorpe Green
Thorpe
Penton Hook
Laleham
Littleton
Charlton
Shepperton Green
Shepperton
Upper Halliford
West Molesey
East Molesey
Thames Ditton
Weston Green
Long Ditton
Hinchley Wood
Esher
Walton-on-Thames
Chertsey
Addlestone
Weybridge
Lyne
Longcross
Brick Hill
Tumbledown Dick
Cranbourne
Bishopsgate
Plaistow Green
Woodside
Littleton Common
Penton Hook
Laleham
Thorpe
Thorpe Green
Shepperton Green
Shepperton
Upper Halliford
Thames Ditton
Weston Green
Long Ditton
Hinchley Wood
Esher
Walton-on-Thames
Addlestone
Weybridge
Lyne
Longcross
Brick Hill
BHAMS8429
BHAMS11045
BHAMS5988
BHAMS5864
BHAMS15882
BHAMS15782
BHAMS10405
BHAMS9793
BHAMS12425
BHAMS10947
BHAMS12423
BHAMS15881
BHAMS5992
HLLN1866
ELNG475
ELNG475
ELNG997
HLLN1240
HLLN919
HLLN1762
HLLN1561
HLLN68
ELNG728
ELNG1942
ELNG725
HLLN1826
HLLN635
HLLN429
HLLN157
HLLN1542
HLLN248
HLLN436
HLLN437
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Key
EIA Scoping Boundary
5km Buffer from Scoping Boundary
Decision
Granted
Pending Decision
Not Determined
Refused/Dismissed
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0
2
4
km
Scale: 1:45,000@ A1
Ref: Figure 24.1
Date: 07/10/2026
Drawn by: TB
Checked by: ED
Tier 1 Schemes for Consideration
Heathrow West

N

Amersham
Chorleywood
Watford
Bushey
Rickmansworth
Watlington
High Wycombe
Beaconsfield
Wallingford
EN0110030
Gerrards Cross
Marlow
Henley-on-Thames
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Maidenhead
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Slough
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Windsor
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Woodley
Staines-upon-Thames
Ashford
Egham
Sunbury-on-Thames
Bracknell
Wokingham
Chertsey
Walton-on-Thames
Addlestone
Weybridge
Esher
Crowthorne
Sandhurst
Yateley
Camberley
TR010030
Blackwater
Woking
Frimley
Leatherhead
Farnborough
Fleet
Basingstoke



Key

Decision

EIA Scoping Boundary

Granted

Pre-Application

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

0 4 8 km

Scale: 1:85,000@ A1

Ref: Figure 24.2	Date: 07/10/2026
Drawn by: TB	Checked by: ED

Tier 2 Schemes for Consideration

Heathrow West