

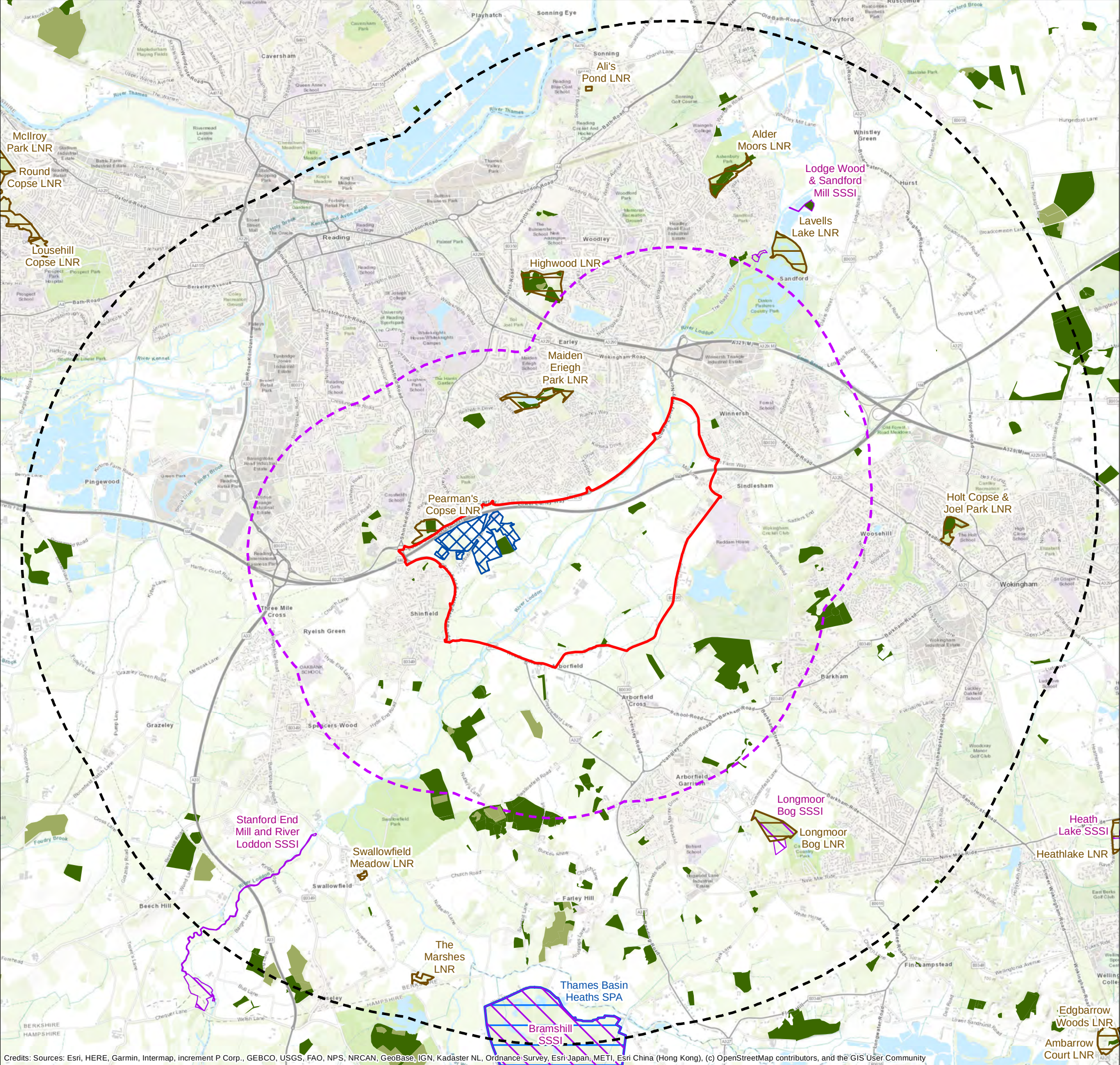


FIGURE 11.1 Site Location & Nature Conservation Designations

KEY

Site boundary

Excluded from EIA Scoping

Statutory Sites

SCALE: 1:50,000 at A3

0 500 1,000 1,500 2,000 Metres



CLIENT: UoR, Gleeson & Hatch Farm Land Ltd

PROJECT: Loddon Garden Village

DATE: 11 July 2024

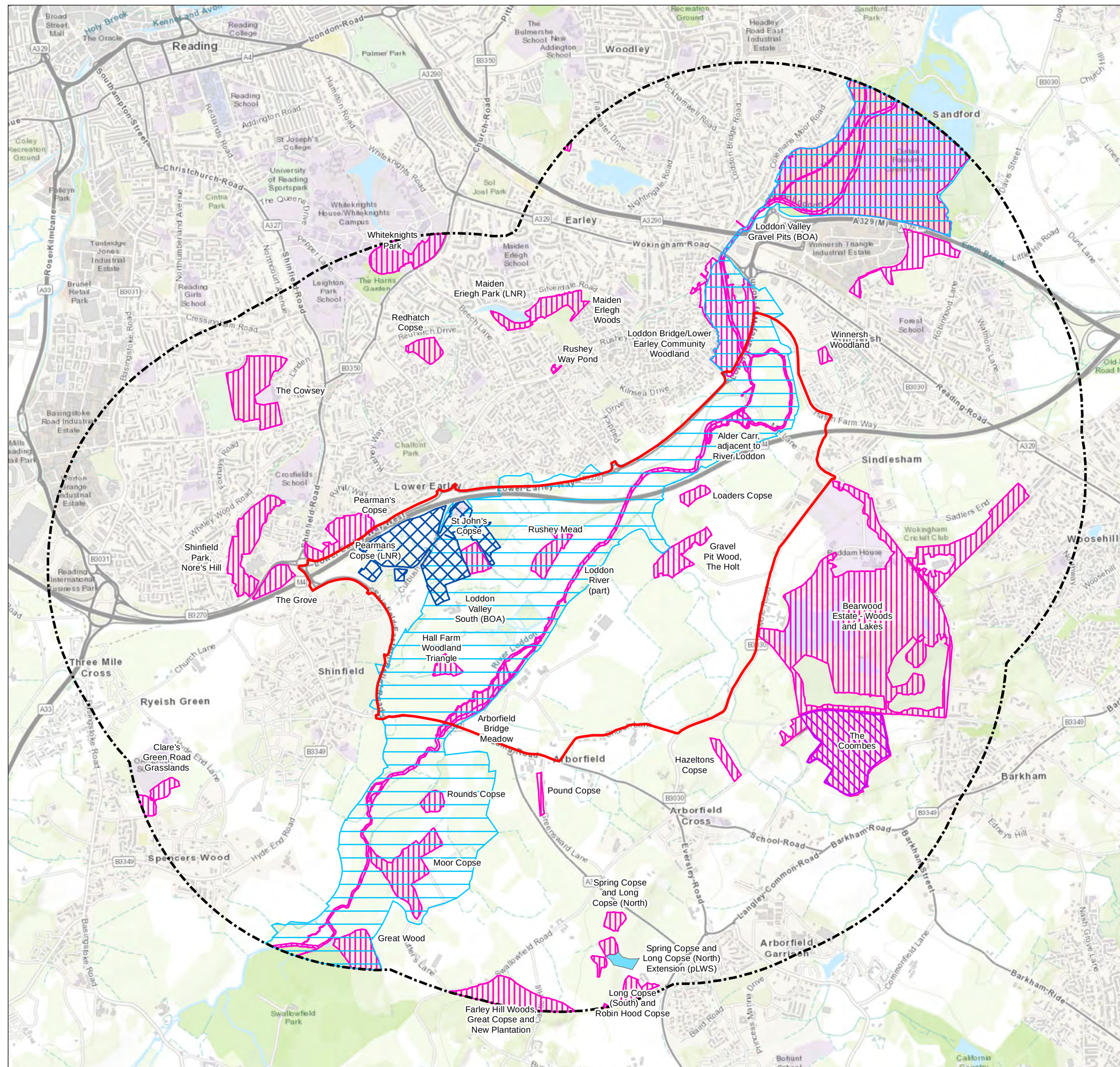


FIGURE 11.2 Local Wildlife Sites

## KEY

Site boundary

 Excluded from EIA Scoping

2km linear distance from site boundary

 Berkshire Local Geological Site

Berkshire Local Wildlife Site

Berkshire Proposed Local Wildlife Site (pLWS)

 Biodiversity Opportunity Area (BOA)

 Local Nature Reserve (LNR)

SCALE: 1:30,000 at A3

0      250      500      750      1,000 Metres

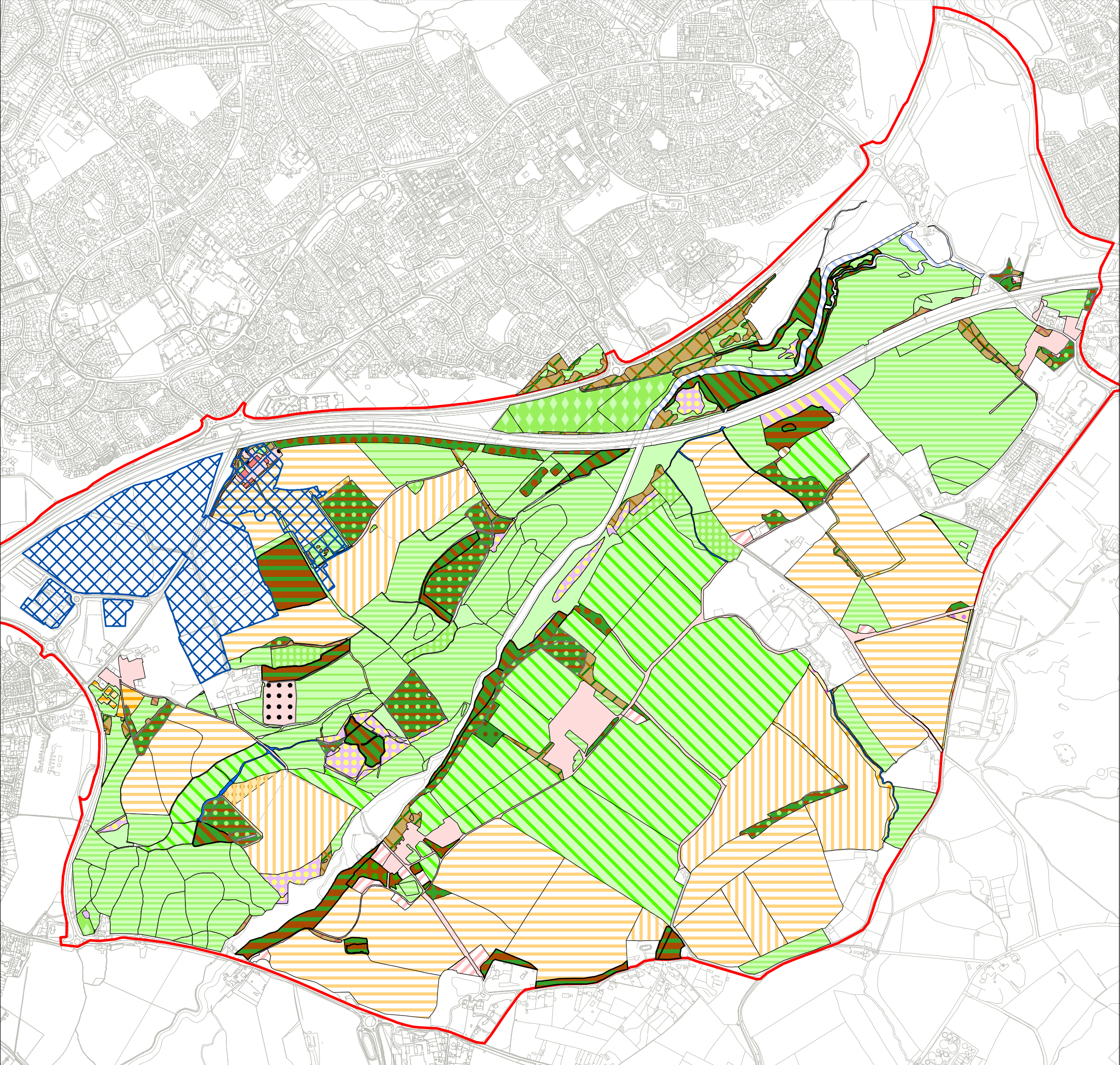


CLIENT: UoR, Gleeson & Hatch Farm Land Ltd

PROJECT: Hall Farm/Loddon Valley SDL

DATE: 11 July 2024

FIGURE 11.3a Baseline Habitats



| KEY |                                                                         |
|-----|-------------------------------------------------------------------------|
|     | Site boundary                                                           |
|     | Excluded from EIA Scoping                                               |
|     | c1a - arable field margins                                              |
|     | c1a5 - Arable margins sown with tussocky grasses                        |
|     | c1a6 - Arable margins sown with wild flowers or a pollen and nectar mix |
|     | c1b - temporary grass and clover leys                                   |
|     | c1c - cereal crops                                                      |
|     | c1f - horticulture                                                      |
|     | f2b - Purple moor grass and rush pastures                               |
|     | f2d - aquatic marginal vegetation                                       |
|     | f2e - reedbeds                                                          |
|     | f2f - Other swamps                                                      |
|     | g3c - other neutral grassland                                           |
|     | g3c5 - Arrhenatherum neutral grassland                                  |
|     | g3c6 - Lolium-Cynosurus neutral grassland                               |
|     | g3c7 - Deschampsia neutral grassland                                    |
|     | g3c8 - Holcus-Juncus neutral grassland                                  |
|     | g4 - modified grassland                                                 |
|     | h3 - dense scrub                                                        |
|     | h3a6 - Other blackthorn scrub                                           |
|     | h3d - Bramble scrub                                                     |
|     | h3h - Mixed scrub                                                       |
|     | r1 - standing open water and canals                                     |
|     | r1a eutrophic standing water                                            |
|     | r2 - rivers and lakes                                                   |
|     | r2b - Other rivers and streams                                          |
|     | u1 - built-up areas and gardens                                         |
|     | u1b - developed land, sealed surface                                    |
|     | u1b5 - buildings                                                        |
|     | u1b6 - other developed land                                             |
|     | u1c - artificial unvegetated unsealed surface                           |
|     | u1d - suburban mosaic of developed/natural surfaces                     |
|     | w1d - wet woodland                                                      |
|     | w1f - lowland mixed deciduous woodland                                  |
|     | w1f7 - Other Lowland mixed deciduous woodland                           |
|     | w1g - other woodland, broadleaved                                       |
|     | w1h - other woodland, mixed                                             |
|     | w1h5 - Other woodland; mixed; mainly broadleaved                        |

SCALE: 1:13,000 at A3



CLIENT: UoR, Gleeson, & Hatch Farm Land Ltd

PROJECT: Hall Farm/Loddon Valley SDL

DATE: 11 July 2024

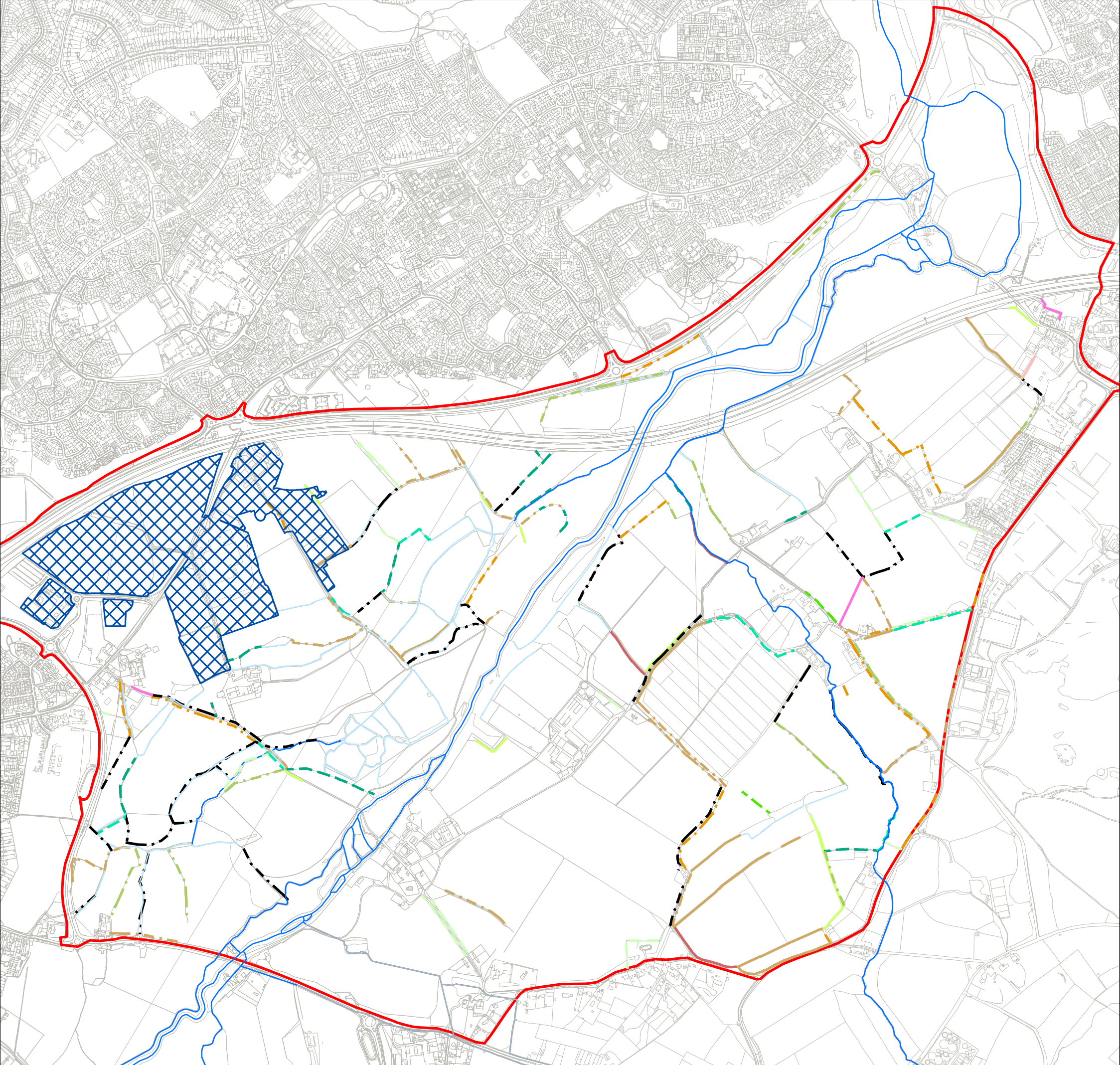


FIGURE 11.3b Baseline Linear Habitats

KEY

Site boundary

Excluded from EIA Scoping

Line of Trees

Line of Trees - associated with bank or ditch

Line of Trees (ecologically valuable)

Line of Trees (ecologically valuable) - associated with bank or ditch

Native hedgerow

Native hedgerow - associated with bank or ditch

Native species-rich hedgerow

Native species-rich hedgerow - associated with bank or ditch

Native hedgerow with trees

Native hedgerow with trees - associated with bank or ditch

Native species-rich hedgerow with trees

Native species-rich hedgerow with trees - associated with bank or ditch

Hedge ornamental non-native

Ditch

Rivers and streams

SCALE: 1:13,000 at A3

0

250

500

750

1,000 Metres



CLIENT: UoR, Gleeson, & Hatch Farm Land Ltd

PROJECT: Hall Farm/Loddon Valley SDL

DATE: 11 July 2024

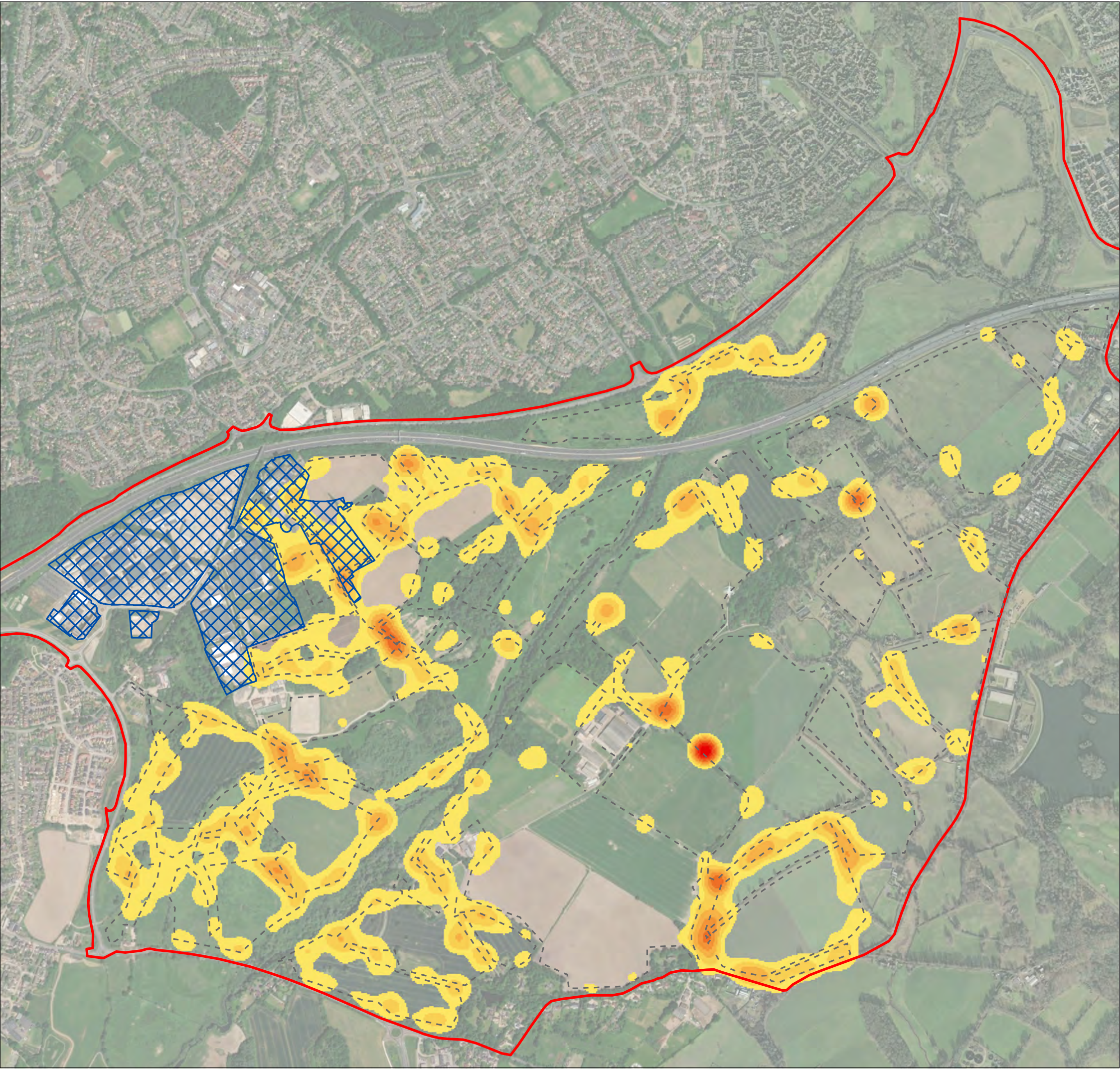


FIGURE 11.4a Results of Bat Activity Surveys 2022

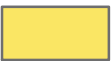
KEY

 Excluded from EIA Scoping

 Site boundary

 Transect routes

Number of Bat Passes per m<sup>2</sup>

|                                                                                       |                           |
|---------------------------------------------------------------------------------------|---------------------------|
|    | 0 - 0.000465495           |
|    | 0.000465495 - 0.000930989 |
|    | 0.000930989 - 0.001396484 |
|    | 0.001396484 - 0.001861978 |
|    | 0.001861978 - 0.002327473 |
|    | 0.002327473 - 0.002792967 |
|    | 0.002792967 - 0.003258462 |
|   | 0.003258462 - 0.003723956 |
|  | 0.003723956 - 0.004189451 |

SCALE: 1:13,000 at A3

0 200 400 600 800 Metres



CLIENT: UoR, Gleeson & Hatch Farm Land Ltd

PROJECT: Hall Farm/Loddon Valley SDL

DATE: 11 July 2024

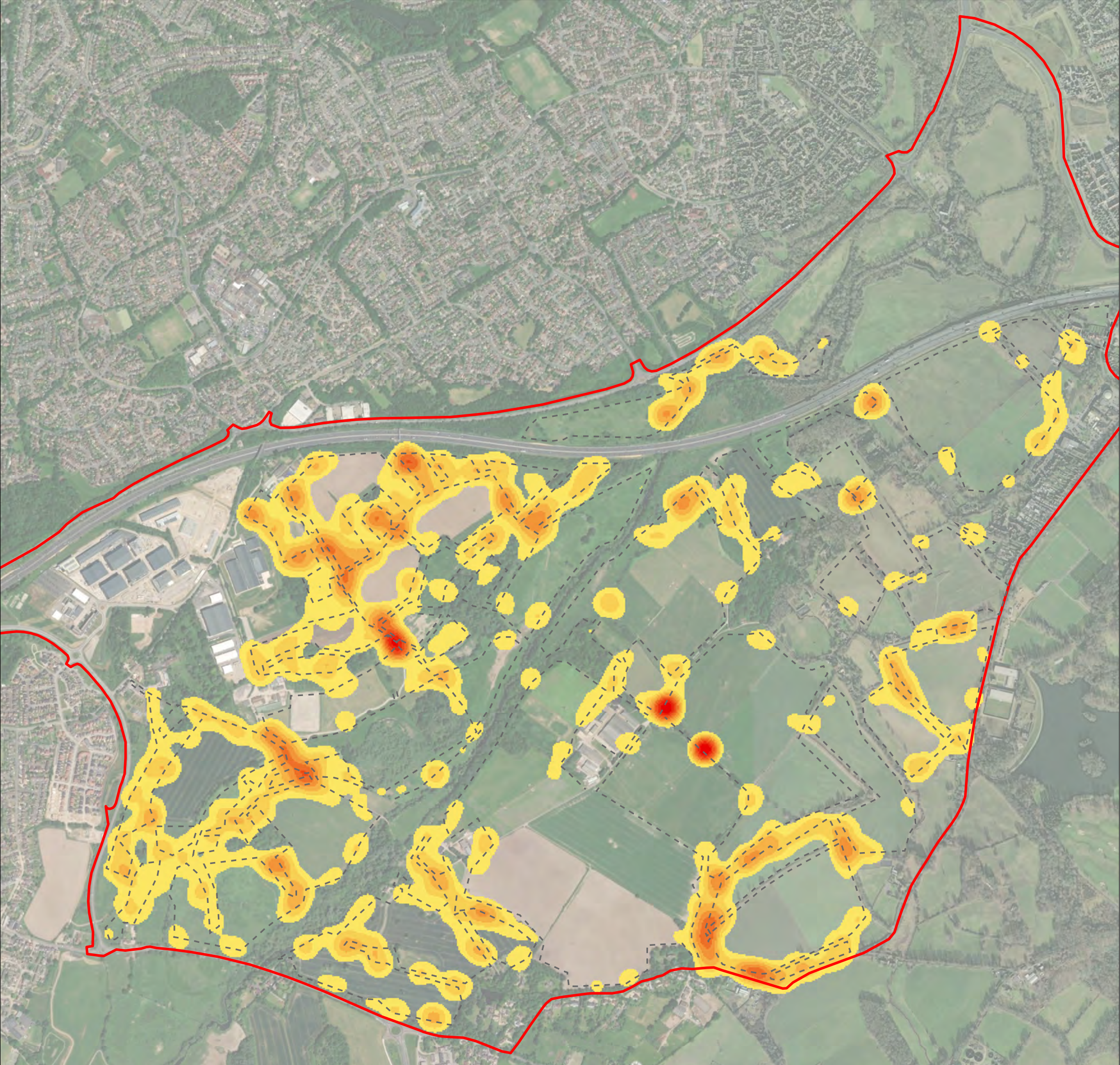


FIGURE 11.4b Relative Bat Activity of Common Pipistrelle

KEY

 Site boundary

 Transect routes

Number of Bat Passes per m<sup>2</sup>

|                                                                                      |                           |
|--------------------------------------------------------------------------------------|---------------------------|
|   | 0 - 0.00027453            |
|   | 0.00027453 - 0.00054906   |
|   | 0.00054906 - 0.000823591  |
|   | 0.000823591 - 0.001098121 |
|   | 0.001098121 - 0.001372651 |
|   | 0.001372651 - 0.001647181 |
|   | 0.001647181 - 0.001921712 |
|   | 0.001921712 - 0.002196242 |
|  | 0.002196242 - 0.002470772 |

SCALE: 1:13,000 at A3

0 200 400 600 800 Metres



CLIENT: UoR, Gleeson & Hatch Farm Land Ltd

PROJECT: Hall Farm/Loddon Valley SDL

DATE: 10 July 2024

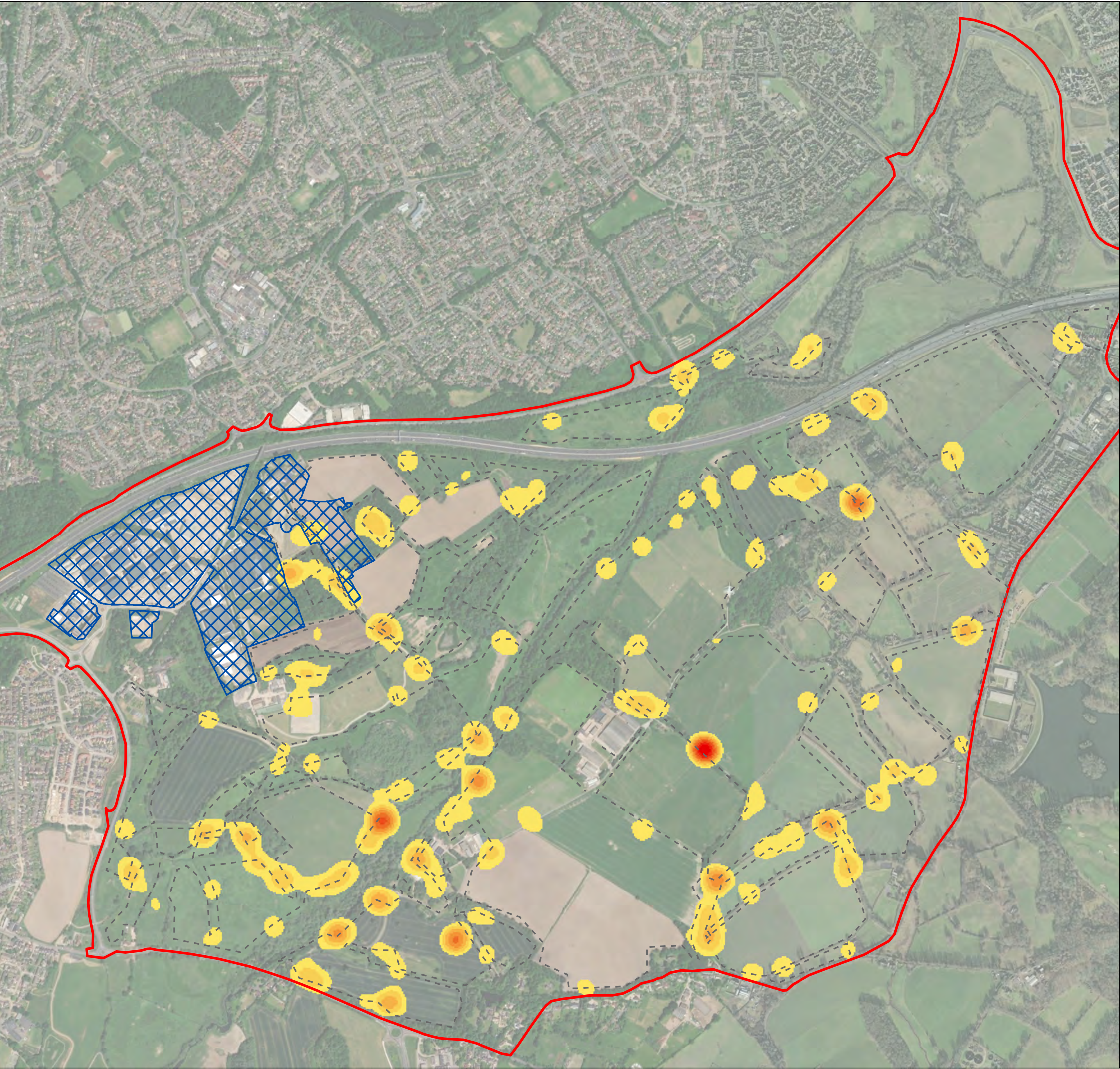


FIGURE 11.4c Relative Bat Activity of Soprano Pipistrelle

KEY

Site boundary

Excluded from EIA Scoping

Transect routes

Number of Bat Passes per m<sup>2</sup>

|                           |
|---------------------------|
| 0 - 0.000194324           |
| 0.000194324 - 0.000388648 |
| 0.000388648 - 0.000582972 |
| 0.000582972 - 0.000777296 |
| 0.000777296 - 0.00097162  |
| 0.00097162 - 0.001165944  |
| 0.001165944 - 0.001360268 |
| 0.001360268 - 0.001554592 |
| 0.001554592 - 0.001748916 |

SCALE: 1:13,000 at A3

0 200 400 600 800 Metres



CLIENT: UoR, Gleeson & Hatch Farm Land Ltd

PROJECT: Hall Farm/Loddon Valley SDL

DATE: 11 July 2024

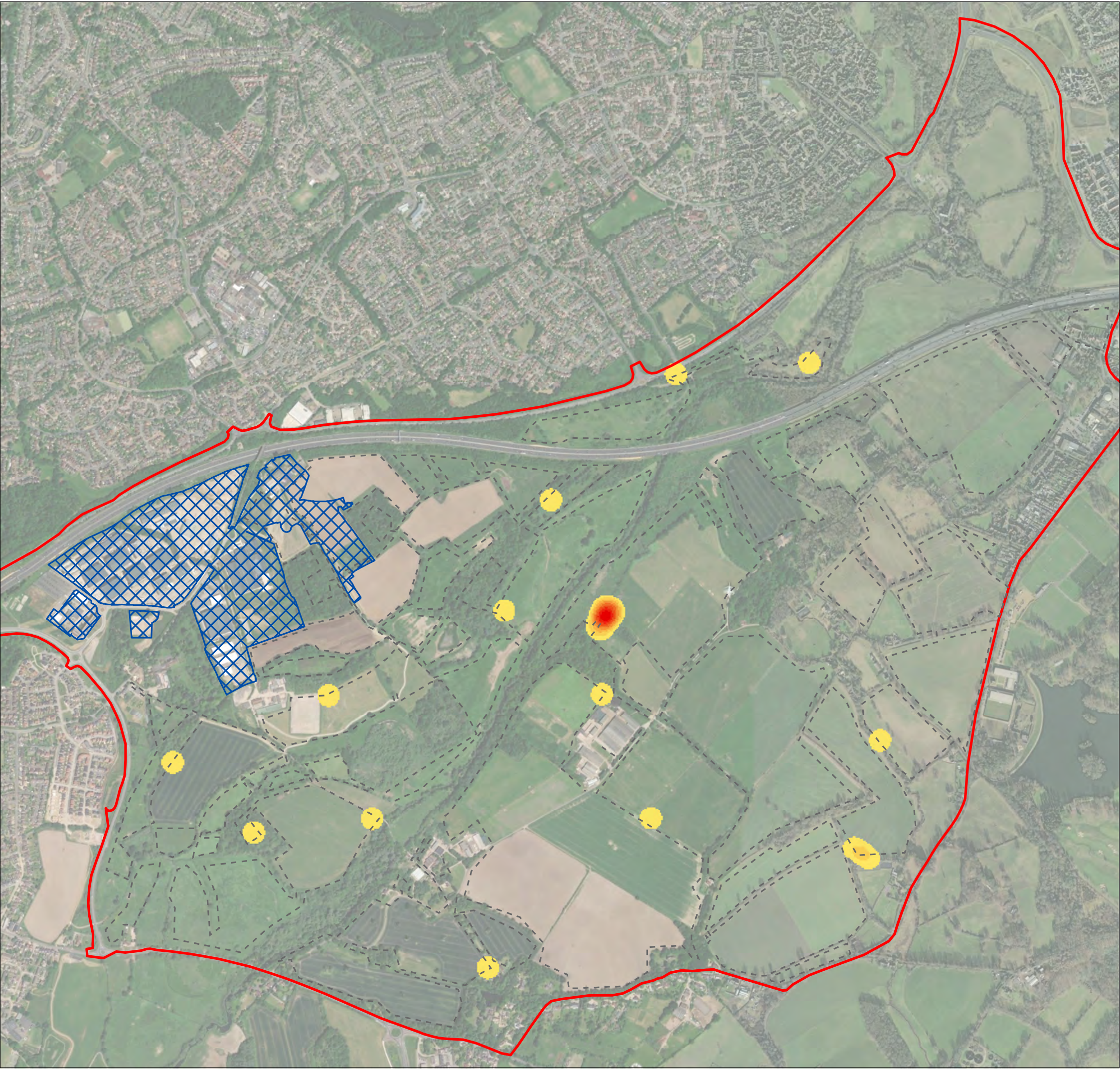


FIGURE 11.4d Relative Bat Activity of Pipistrelle Species

KEY

 Site boundary

 Excluded from EIA Scoping

 Transect routes

Number of Bat Passes per m<sup>2</sup>

|                                                                                       |                           |
|---------------------------------------------------------------------------------------|---------------------------|
|    | 0 - 0.000091002           |
|    | 0.000091002 - 0.000182003 |
|    | 0.000182003 - 0.000273005 |
|    | 0.000273005 - 0.000364007 |
|    | 0.000364007 - 0.000455008 |
|    | 0.000455008 - 0.00054601  |
|    | 0.00054601 - 0.000637012  |
|   | 0.000637012 - 0.000728013 |
|  | 0.000728013 - 0.000819015 |

SCALE: 1:13,000 at A3

0 200 400 600 800 Metres



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PROJECT: Hall Farm/Loddon Valley SDL

DATE: 11 July 2024

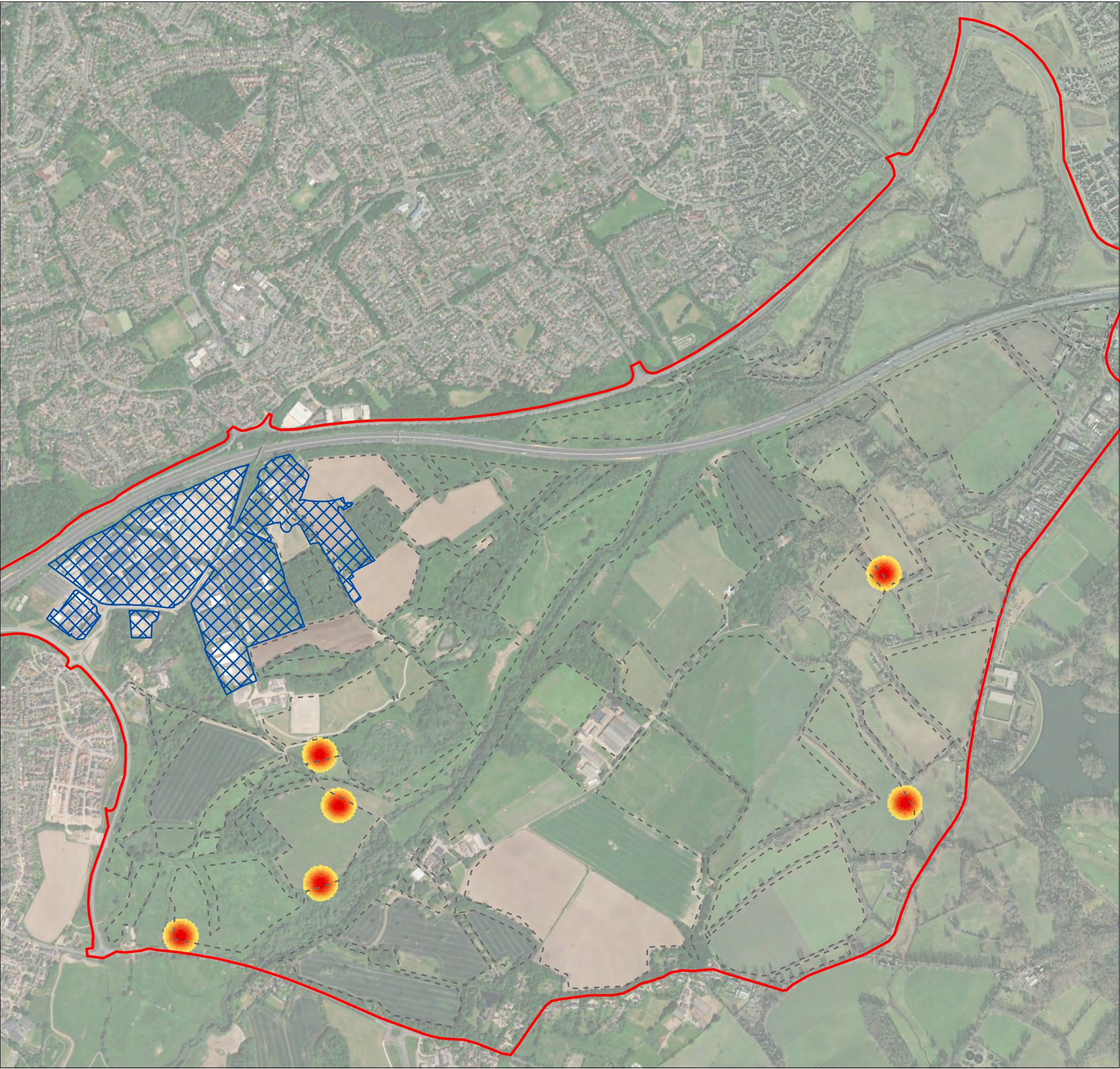


FIGURE 11.4e Relative Bat Activity of Long-eared Species

KEY

Site boundary

Excluded from EIA Scoping

Transect routes

Number of Bat Passes per m<sup>2</sup>

|                           |
|---------------------------|
| 0 - 0.000018857           |
| 0.000018857 - 0.000037715 |
| 0.000037715 - 0.000056572 |
| 0.000056572 - 0.000075429 |
| 0.000075429 - 0.000094287 |
| 0.000094287 - 0.000113144 |
| 0.000113144 - 0.000132001 |
| 0.000132001 - 0.000150859 |
| 0.000150859 - 0.000169716 |

SCALE: 1:13,000 at A3

0 200 400 600 800 Metres



CLIENT: UoR, Gleeson & Hatch Farm Land Ltd

PROJECT: Hall Farm/Loddon Valley SDL

DATE: 11 July 2024

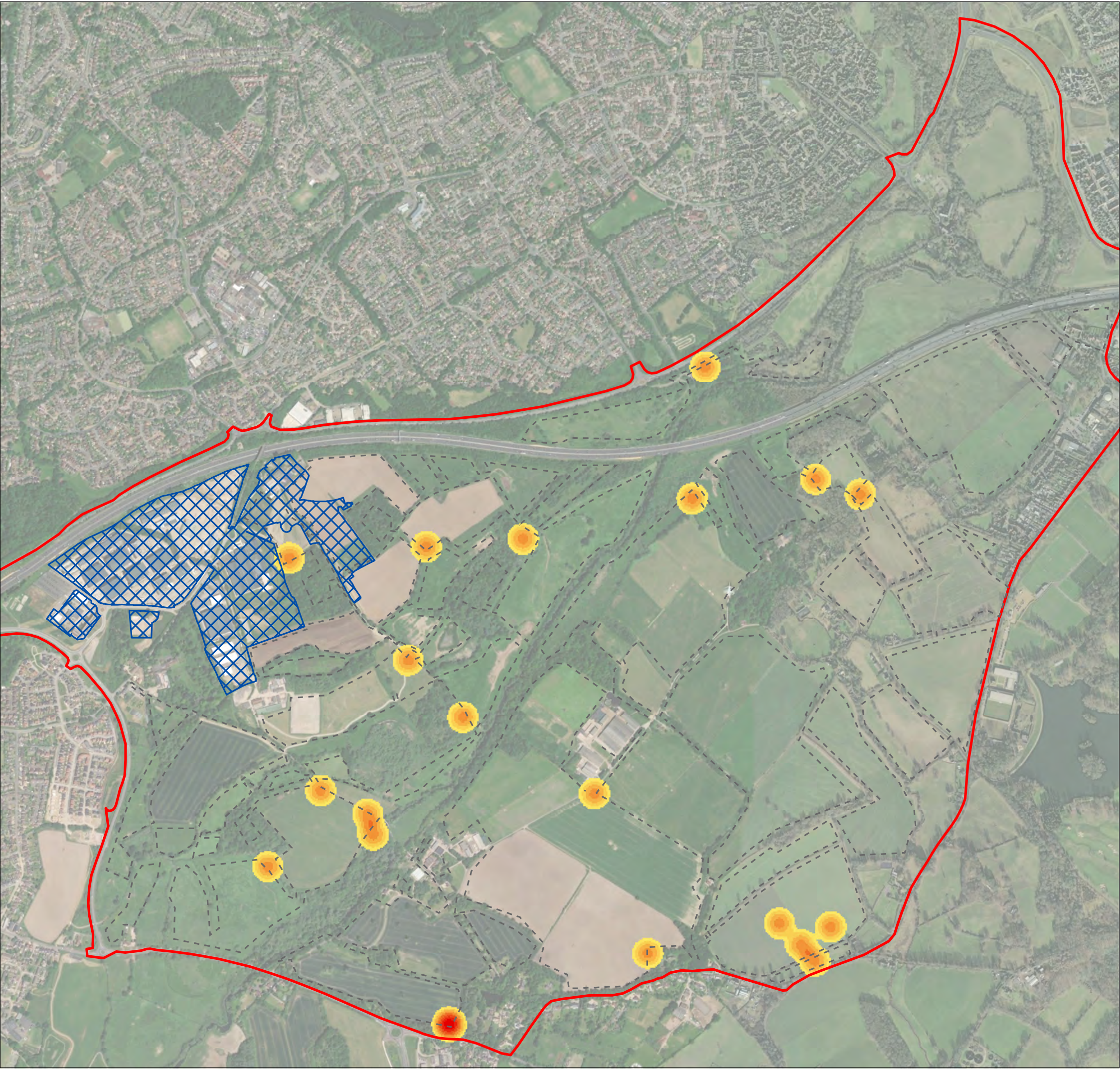


FIGURE 11.4f Relative Bat Activity of Myotis Species

KEY

Site boundary

Excluded from EIA Scoping

Transect routes

Number of Bat Passes per m<sup>2</sup>

|                          |
|--------------------------|
| 0 - 0.000037715          |
| 0.000037715 - 0.00007543 |
| 0.00007543 - 0.000113145 |
| 0.000113145 - 0.00015086 |
| 0.00015086 - 0.000188575 |
| 0.000188575 - 0.00022629 |
| 0.00022629 - 0.000264005 |
| 0.000264005 - 0.00030172 |
| 0.00030172 - 0.000339435 |

SCALE: 1:13,000 at A3

0 200 400 600 800 Metres

N



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PROJECT: Hall Farm/Loddon Valley SDL

DATE: 11 July 2024

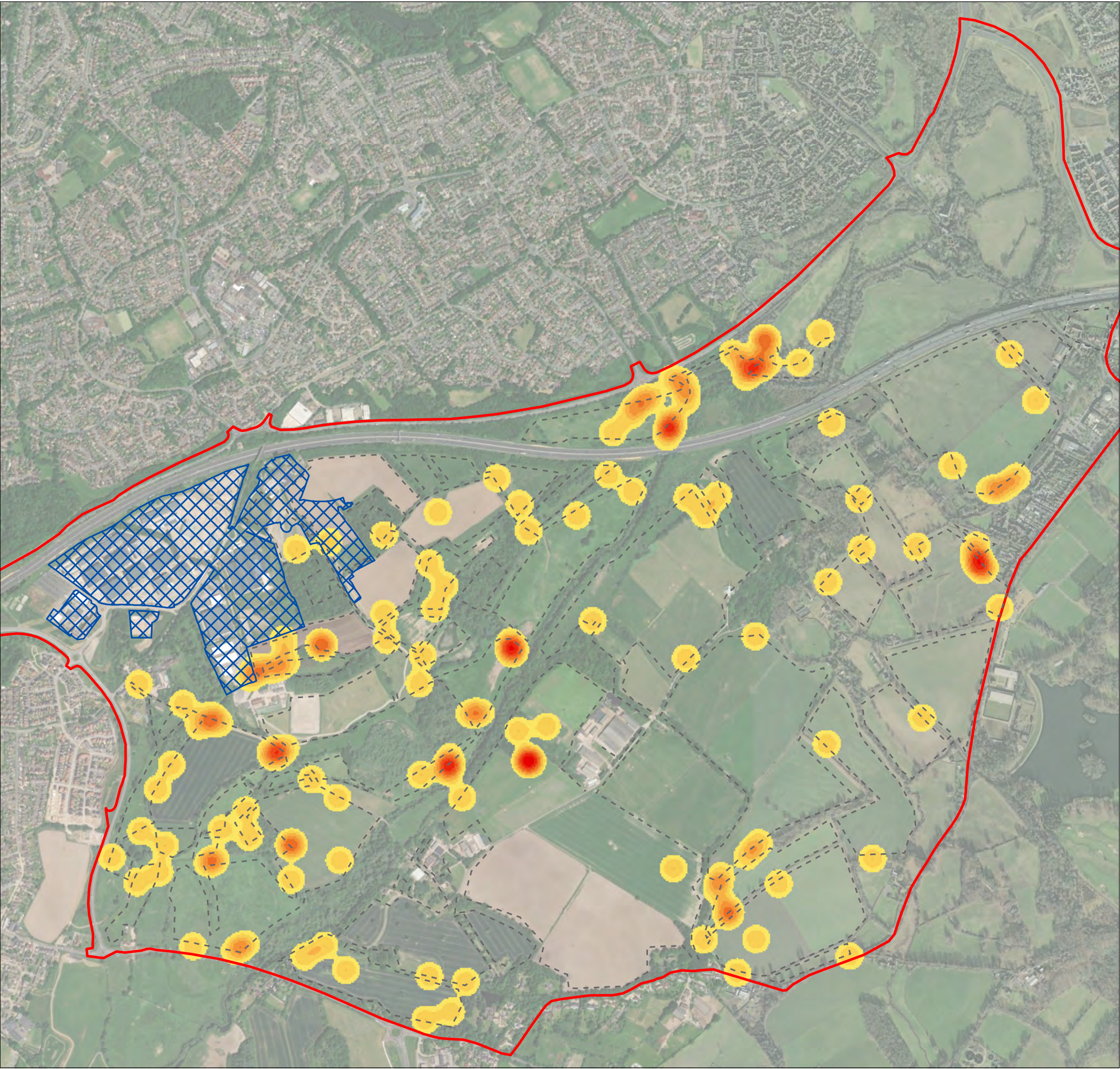


FIGURE 11.4g Relative Bat Activity of Noctule

KEY

Site boundary

Excluded from EIA Scoping

Transect routes

Number of Bat Passes per m<sup>2</sup>

|                           |
|---------------------------|
| 0 - 0.000056528           |
| 0.000056528 - 0.000113056 |
| 0.000113056 - 0.000169584 |
| 0.000169584 - 0.000226112 |
| 0.000226112 - 0.00028264  |
| 0.00028264 - 0.000339168  |
| 0.000339168 - 0.000395696 |
| 0.000395696 - 0.000452224 |
| 0.000452224 - 0.000508752 |

SCALE: 1:13,000 at A3

0 200 400 600 800 Metres



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PROJECT: Hall Farm/Loddon Valley SDL

DATE: 11 July 2024

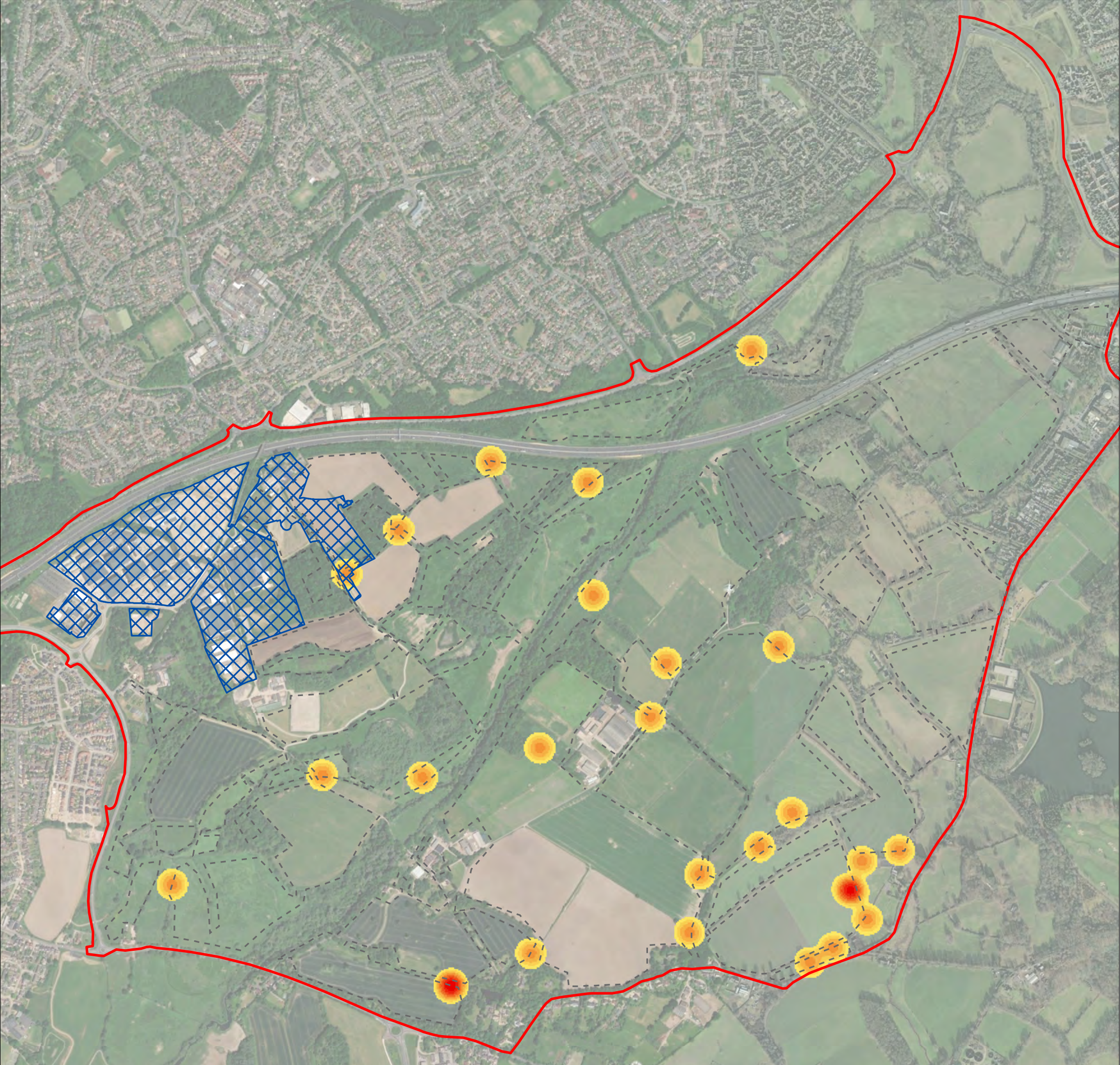


FIGURE 11.4h Relative Bat Activity of Serotine

KEY

Site boundary

Excluded from EIA Scoping

Transect routes

Number of Bat Passes per m<sup>2</sup>

|                           |
|---------------------------|
| 0 - 0.000037674           |
| 0.000037674 - 0.000075348 |
| 0.000075348 - 0.000113022 |
| 0.000113022 - 0.000150696 |
| 0.000150696 - 0.00018837  |
| 0.00018837 - 0.000226044  |
| 0.000226044 - 0.000263718 |
| 0.000263718 - 0.000301392 |
| 0.000301392 - 0.000339066 |

SCALE: 1:13,000 at A3

0 200 400 600 800 Metres



CLIENT: UoR, Gleeson & Hatch Farm Land Ltd

PROJECT: Hall Farm/Loddon Valley SDL

DATE: 11 July 2024



FIGURE 11.4i Relative Bat Activity of Barbastelle

- KEY
-  Excluded from EIA Scoping
  -  Site boundary
  -  Transect routes
  -  Barbastelle record

SCALE: 1:13,000 at A3

0 200 400 600 800 Metres



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PROJECT: Hall Farm/Loddon Valley SDL

DATE: 11 July 2024

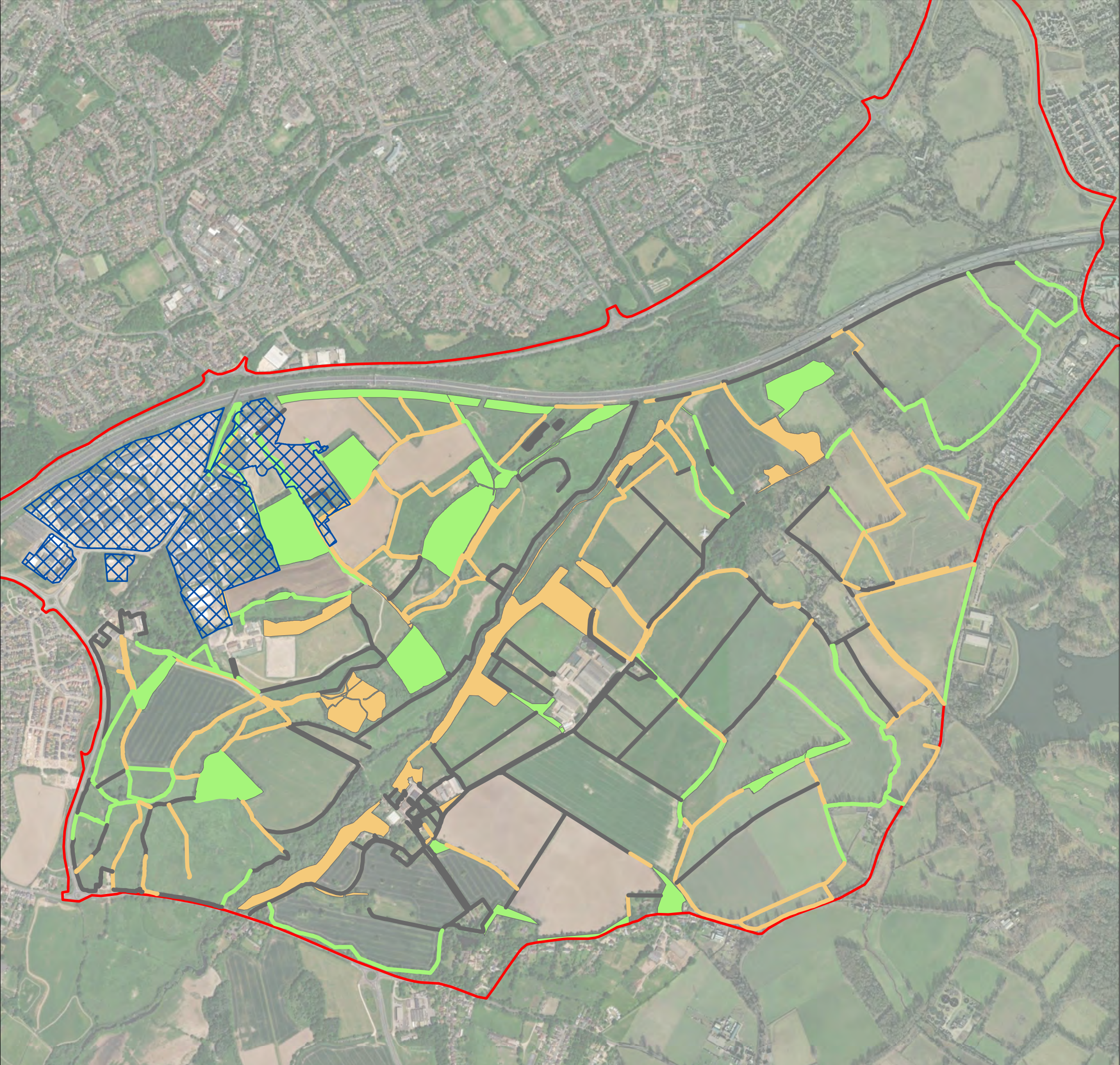


FIGURE 11.5a Dormouse Habitat Suitability Assessment

KEY

 Site boundary

 Excluded from EIA Scoping

Suitability to support Dormice

 Optimal

 Sub-optimal

 Negligible

SCALE: 1:13,000 at A3

0 100 200 300 400 500 Metres



CLIENT: UoR, Gleeson & Hatch Farm Land Ltd

PROJECT: Hall Farm/Loddon Valley SDL

DATE: 11 July 2024



FIGURE 11.5b Dormouse Survey Locations

KEY

Site boundary

Excluded from EIA Scoping

Dormouse tube/box

SCALE: 1:13,000 at A3

0 100 200 300 400 500 Metres



CLIENT: UoR, Gleeson & Hatch Farm Land Ltd

PROJECT: Hall Farm/Loddon Valley SDL

DATE: 11 July 2024



FIGURE 11.6 Water Vole & Otter Survey Results 2022

KEY

-  Site boundary
-  Otter feeding remains
-  Otter spraint

SCALE: 1:13,000 at A3  
0 100 200 300 400 500 Metres



CLIENT: UoR, Gleeson & Hatch Farm Land Ltd  
PROJECT: Hall Farm/Loddon Valley SDL  
DATE: 11 July 2024



FIGURE 11.7 Great Crested Newt  
Survey Results 2022

KEY

-  Site boundary
-  Excluded from EIA Scoping
-  Great Crested Newt confirmed
-  Pond subject to eDNA survey (negative result)
-  Pond subject to HSI Assessment but dry during eDNA survey
-  Pond dry at time of assessment
-  Pond not surveyed (no access)

SCALE: 1:13,000 at A3

0 100 200 300 400 500 Metres



CLIENT: UoR, Gleeson & Hatch Farm Land Ltd

PROJECT: Hall Farm/Loddon Valley SDL

DATE: 11 July 2024

Y:\Loddon Garden Village, Shinfield 2015\GIS\61A Scoping\FIG11\_7\_GCN2022\_F2201\_2109\_100724.mxd