



# **Norwich Western Link**

## **Environmental Statement Chapter 11: Bats**

### **Appendix 11.5: 2022 Summer Bat Report**

### **Appendix C: Tree Survey Results**

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Document Reference: 3.11.05c

Version Number: 00

Date: March 2024



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# 1 Introduction

## 1.1 Tree Survey Results

1.1.1 A suite of Ground Level Tree Assessment (GLTA) surveys were undertaken in 2019, 2020 and 2021. All trees within a 100m buffer of the previous Site boundary were included within the Survey Area.

1.1.2 In 2022 the Site Boundary altered and therefore as did the Survey Area. Therefore, all trees within 25m of the Site boundary (as refined) and/or 100m from the Scheme Alignment (as refined), which fell outside previous Survey Areas were subject to GLTA survey.

1.1.3 Technical appendix 5c presents a figure and a table displaying the tree survey results from the completed GLTA surveys, displaying trees with bat roost suitability.

Figure C-1

1.1.4 Figure C-1 displays the Survey Area and the tree survey results within the north-east area of the Site Boundary, within areas including The River Wensum and Grassland and The Northern Woodlands. In total, 20 out of the total of 36 trees displayed are located within an area of The Northern Woodlands near to Ringland Lane.

1.1.5 The results were categorised in relation to bat roosting suitability, including tree locations within the Survey Area. The suitability categories include Negligible, Low, Moderate, High and Confirmed Roost. There was a confirmed roost recorded at location 300, located adjacent to the A1067. There was also high bat roost suitability recorded for five tree locations including 438, 443, 452 within the area of the Northern Woodlands and 465 and 470 located within the area of The River Wensum and Grassland.

Table C-1 GLTA and further survey results and dates surveyed

1.1.6 Table C-1 summarises the ground level tree assessment survey results. In total, 36 trees are listed within the table detailing trees with bat roost suitability, each with their own reference.



- 1.1.7 From left to right, the first column displays the tree reference. The second column displays the date of the survey. The third column displays the tree species, including both the common and Latin names. The fourth column displays the suitability assigned as a result of the ground level tree assessment. The fifth column displays the types of further survey and respective dates. These include ground level inspections, aerial inspections as well as dusk emergence and dawn re-entry surveys. The final column displays the final bat roosting suitability assigned as a result of the further survey.
- 1.1.8 Some classifications have been either re-classified in instances where surveyors were not able to initially classify them, or either upgraded or downgraded as a result of the further inspection.
- 1.1.9 We have included a summary of key information shown in this document in an accessible format. However, some users may not be able to access all technical details. If you require this document in a more accessible format, please contact [norwichwesternlink@norfolk.gov.uk](mailto:norwichwesternlink@norfolk.gov.uk).



## 2 Tree Survey Results

Figure C-1 Tree Survey Results





**Table 1.1 – GLTA and further survey results and dates surveyed**

Tree reference	GLTA date	Tree species	GLTA suitability	Further survey type and dates	Final bat roosting suitability
438	30/03/2022	Pedunculate Oak ( <i>Quercus robur</i> )	High	Survey 1 – aerial inspection – 12/05/2022 Survey 2 – aerial inspection – 17/05/2022 Survey 3 – aerial inspection – 31/08/2022	High
439	30/03/2022	Pedunculate Oak ( <i>Quercus robur</i> )	Moderate	Survey 1 – aerial inspection – 17/05/2022 Survey 2 – aerial inspection – 03/08/2022	Moderate
440	30/03/2022	Pedunculate Oak ( <i>Quercus robur</i> )	Low	Not applicable	Low
441	30/03/2022	Oak species ( <i>Quercus sp.</i> )	Moderate	Survey 1 – aerial inspection – 17/05/2022 Survey 2 – aerial inspection – 03/08/2022 (downgraded)	Low
442	30/03/2022	Pedunculate Oak ( <i>Quercus robur</i> )	Moderate	Survey 1 – aerial inspection – 16/05/2022 Survey 2 – ground level inspection – 02/08/2022	Moderate
443	30/03/2022	Pedunculate Oak ( <i>Quercus robur</i> )	Moderate	Survey 1 – aerial inspection – 17/05/2022 (upgraded) Survey 2 – aerial inspection – 03/08/2022 Survey 3 – aerial inspection – 31/08/2022	High
444	30/03/2022	Pedunculate Oak ( <i>Quercus robur</i> )	Moderate	Survey 1 – aerial inspection – 16/05/2022 Survey 2 – aerial inspection – 03/08/2022	Moderate
445	30/03/2022	Pedunculate Oak ( <i>Quercus robur</i> )	Moderate	Survey 1 – aerial inspection – 16/05/2022 (downgraded)	Low
446	30/03/2022	Pedunculate Oak ( <i>Quercus robur</i> )	Moderate	Survey 1 – aerial inspection – 16/05/2022 (downgraded)	Low
447	30/03/2022	Pedunculate Oak ( <i>Quercus robur</i> )	Moderate	Survey 1 – aerial inspection – 16/05/2022 (downgraded)	Negligible
448	30/03/2022	Pedunculate Oak ( <i>Quercus robur</i> )	Moderate	Survey 1 – aerial inspection – 02/08/2022 (downgraded)	Negligible
449	30/03/2022	Pedunculate Oak ( <i>Quercus robur</i> )	Moderate	Survey 1 – aerial inspection – 13/05/2022 Survey 2 – aerial inspection – 03/08/2022	Moderate
450	30/03/2022	Pedunculate Oak ( <i>Quercus robur</i> )	Moderate	Survey 1 – aerial inspection – 13/05/2022 (downgraded)	Negligible

Tree reference	GLTA date	Tree species	GLTA suitability	Further survey type and dates	Final bat roosting suitability
451	30/03/2022	Horse chestnut ( <i>Aesculus hippocastanum</i> )	Moderate	Survey 1 – aerial inspection – 18/05/2022 (downgraded)	Negligible
452	30/03/2022	Horse chestnut ( <i>Aesculus hippocastanum</i> )	Moderate	Survey 1 – aerial inspection – 18/05/2022 (upgraded) Survey 2 – aerial inspection – 02/08/2022 Survey 3 – aerial inspection – 31/08/2022	High
453	30/03/2022	Pedunculate Oak ( <i>Quercus robur</i> )	Low	Not applicable	Low
454	30/03/2022	Pedunculate Oak ( <i>Quercus robur</i> )	Moderate	Survey 1 – aerial inspection – 18/05/2022 (downgraded)	Low
455	30/03/2022	Pedunculate Oak ( <i>Quercus robur</i> )	Moderate	Survey 1 – aerial inspection – 18/05/2022 (downgraded)	Low
456	30/03/2022	Sweet chestnut ( <i>Castanea sativa</i> )	Moderate	Survey 1 – aerial inspection – 18/05/2022 (downgraded)	Low
457	30/03/2022	Unknown - dead	Moderate	Survey 1 – dusk emergence – 25/05/2022 Survey 2 – dusk emergence – 24/08/2022	Moderate
458	30/03/2022	Sycamore ( <i>Acer pseudoplatanus</i> )	Moderate	Survey 1 – aerial inspection – 19/05/2022 (downgraded)	Negligible
459	31/03/2022	Crack Willow ( <i>Salix fragilis</i> )	Low	Not applicable	Low
460	30/03/2022	Sycamore ( <i>Acer pseudoplatanus</i> )	Moderate	Survey 1 – aerial inspection – 18/05/2022 Survey 2 – aerial inspection – 03/08/2022 (downgraded)	Low
461	30/03/2022	Oak species ( <i>Quercus sp.</i> )	Moderate	Survey 1 – aerial inspection – 19/05/2022 (downgraded)	Negligible
462	31/03/2022	Hornbeam ( <i>Carpinus betulus</i> )	Moderate	Survey 1 – aerial inspection – 19/05/2022 (downgraded)	Negligible
463	31/03/2022	Hornbeam ( <i>Carpinus betulus</i> )	Moderate	Survey 1 – aerial inspection – 19/05/2022 (downgraded)	Low
464	31/03/2022	Oak species ( <i>Quercus sp.</i> )	Moderate	Survey 1 – aerial inspection – 19/05/2022 Survey 2 – aerial inspection – 02/08/2022	Moderate
465	31/03/2022	Ash ( <i>Fraxinus excelsior</i> )	High	Survey 1 – aerial inspection – 19/05/2022 Survey 2 – aerial inspection – 02/08/2022 Survey 3 – aerial inspection – 31/08/2022	High
466	31/03/2022	Crack Willow ( <i>Salix fragilis</i> )	Low	Not applicable	Low

Tree reference	GLTA date	Tree species	GLTA suitability	Further survey type and dates	Final bat roosting suitability
467	31/03/2022	Crack Willow ( <i>Salix fragilis</i> )	Low	Not applicable	Low
468	31/03/2022	Crack Willow ( <i>Salix fragilis</i> )	Low	Not applicable	Low
469	31/03/2022	Crack Willow ( <i>Salix fragilis</i> )	Low	Not applicable	Low
470	30/03/2022	Oak species ( <i>Quercus sp.</i> )	Moderate	Survey 1 – dusk emergence - 25/05/2022 Survey 2 – dawn re-entry – 15/06/2022 (upgraded) Survey 3 – aerial inspection – 02/08/2022 Survey 4 – aerial inspection – 31/08/2022	High
471	30/03/2022	Oak species ( <i>Quercus sp.</i> )	Moderate	Survey 1 – dusk emergence – 28/07/2022 Survey 2 – aerial inspection – 02/08/2022 (downgraded)	Low
472	Not applicable	Sycamore ( <i>Acer pseudoplatanus</i> )	Not applicable	Survey 1 – aerial inspection – 13/05/2022 Survey 2 – aerial inspection – 02/08/2022	Moderate
473	Not applicable	Sycamore ( <i>Acer pseudoplatanus</i> )	Not applicable	Survey 1 – aerial inspection – 16/05/2022 Survey 2 – aerial inspection – 02/08/2022	Moderate