



# **Norwich Western Link**

## **Environmental Statement**

### **Chapter 10: Biodiversity**

#### **Appendix 10.1: Phase 1**

#### **Habitat Survey Report 2018**

#### **Part 3 of 3**

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## 1 Introduction

1.1.1 WSP was commissioned by Norfolk County Council to provide baseline data on the types and distribution of habitats, of an area to the West of Norwich, to inform options for a road known as the Norwich Western Link.

1.1.2 The following term has been used with regards to the desk study and field survey work:

- Field Survey Data – An area defined to the west of Norwich

1.1.3 WSP was commissioned to provide current baseline data on the types and distribution of habitats on the Field Survey Area. The aim was to provide information on the types and distribution of habitats within the Field Survey Data, and their potential or otherwise to support protected species and, or species of conservation concern.






1.1.4 It is recommended that measures to avoid adverse ecological impacts (for example, the re-sitting of construction compounds, or adjustments in road alignment, etc.) should be considered in the first instance. Where adverse impacts cannot be avoided, options to reduce adverse impacts should be implemented. This includes measures such as carrying out works outside of breeding seasons for protected species, such as great crested newts and birds.






1.1.5 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)






# Appendix B






## TARGET NOTES AND PHOTOGRAPHS








No.	Image	Description / Comment
1.		<p>TG 14107 13701 River Wensum with river crossing</p>
2.		<p>TG 14154 13710 River Wensum and Low Common. Grazing marsh with cattle grazing. Ditches look to be of more botanical interest.</p>
3.		<p>TG 14101 13967 Grazing marsh</p>
4.		<p>TG 14139 14004 Sheep grazed grassland, semi-improved grassland</p>
5.		<p>TG14363 14206 Hedgerow along footpath</p>






No.	Image	Description / Comment
6.		<p>TG 14443 14299 Ash tree, with low/moderate bat potential</p>
7.		<p>TG 14458 14360 Ditch adjacent to grazing marsh. Meadowsweet, common reed, greater willowherb, purple loosestrife, yellow water-lily and cock's-foot.</p>
8.		<p>TG 14448 14478 Grazing marsh adjacent to golf course</p>
9.		<p>TG 14441 14506 Oak tree with low/moderate bat potential</p>
10.		<p>TL 14365 14665 Footpath with mature trees</p>


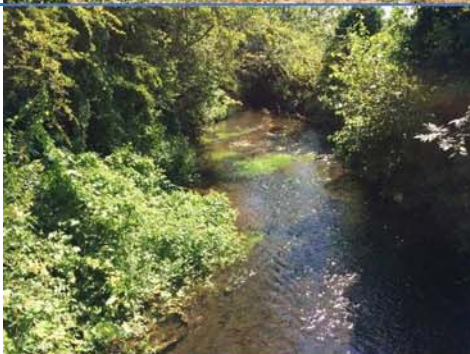



No.	Image	Description / Comment
11.		<p>TG 14325 14717 Cattle grazed, grazing marsh. Semi-improved neutral, ditches look to be of more botanical interest.</p>
12.		<p>TL 13928 15101 Cattle grazed, grazing marsh onto golf course</p>
13.		<p>TG 13931 15649 Towards Fakenham Road</p>
14.		<p>TG 13904 15595 Recently cut grassland next to Wensum. Yorkshire fog, perennial ryegrass, soft brome and dock sp.</p>
15.		<p>TG 13872 15574 River Wensum. Yellow water-lily, water starwort sp, greater willowherb, curled pondweed, reed sweet-grass, reed canary grass, bur-reed sp., arrowhead.</p>






No.	Image	Description / Comment
16.		<p>TG 13872 15574  River Wensum  Yellow water-lily, water starwort sp, greater willowherb, curled pondweed, reed sweet-grass, reed canary grass, bur-reed sp., arrowhead.</p>
17.		<p>TG 13833 15551  Recently cut grassland adjacent to the River Wensum. Perennial ryegrass, Yorkshire fog, hard rush and creeping buttecup.</p>
18.		<p>TG 13908 15326  Cattle grazed grazing marsh  Common ragwort frequent within grassland containing creeping thistle, spear thistle, perennial ryegrass, cock's-foot, false oat-grass, yarrow, dandelion common nettle and dock sp.</p>
19.		<p>TG 13721 15057  Bracken dominated verge adjacent to footpath</p>
20.		<p>TG 13695 15035  Ash tree with high bat potential (peeling bark and woodpecker holes)</p>













No.	Image	Description / Comment
21.		TG 13632 14975 Hornbeam with moderate/high bat potential
22.		TG 13555 14770 Primrose Grove from footpath, with ash, sycamore and oak
23.		TG 13742 14550 Arable fields
24.		TG 13742 14550 Grassland
25.		TG 13760 14489 Road side verge with yarrow, greater knapweed, tufted vetch, lady's bedstraw, restharrow, false oat-grass, mugwort and field scabious.

No.	Image	Description / Comment
26.		<p>TG 11998 11936 Arable to east</p>
27.		<p>TG 12013 11943 Conifer plantation to west with bracken groundflora. Gorse and viper's bugloss present on roadside verge</p>
28.		<p>TG 12118 12216 Broadleaved woodland viewed from road, likely to have trees of an age that they have bat roost potential</p>
29.		<p>TG 11613 12216 Pig farm</p>
30.		<p>TG 19843 10083 River Wensum with himalayan balsam. Greater willowherb, bramble, common nettle, willow sp., bindweed sp., hogweed and yellow water-lily.</p>






No.	Image	Description / Comment
31.		<p>TG 18479 11201 Fishing lake</p>
32.		<p>TG 18480 11190 River Tud, shallow water of less than 20cm. Meadowsweet, greater willowherb, sycamore, bindweed sp., ash, speedwell sp.</p>
33.		<p>TG17694 12780 Weir at River Wensum. Greater willowherb, reed sweet-grass, willow sp., hawthorn, bur-reed sp.</p>
34.		<p>TG 12206 16852 4 large oaks on field boundary, likely to have bat potential.</p>
35.		<p>TG11928 16580 Mixed conifer woodland, semi-mature to mature trees.</p>

No.	Image	Description / Comment
36.		<p>TG 11523 14575 4 oak trees with moderate bat potential</p>
37.		<p>TG 12480 14093 Pine plantation, closely planted, semi-mature trees. Bramble and false oat-grass in understorey. Gorse on roadside verge.</p>
38.		<p>TG 12234 13221 Birch dominant woodland with bracken dominant understorey. Wavy hair-grass, gorse and sedge sp.</p>
39.		<p>TG 12287 12375 Mixed woodland with open canopy. Beech, turkish oak, sweet chestnut, Norwegian spruce, holly and sycamore.</p>
40.		<p>TG 12514 12659 2 Veteran oaks with moderate bat roost potential</p>






No.	Image	Description / Comment
41.		<p>TG 10337 13863            Small area of woodland either side of road with open canopy. Field maple, ash, sycamore, hawthorn. Young/semi-mature trees. Understorey of common nettle, dogs mercury, bramble, holly and rowan.</p>
42.		<p>TG 09501 15873            Arable fields with wind turbines</p>
43.		<p>TG 08809 17110            Oak tree on field boundary, with possible bat potential</p>
44.		<p>TG 08809 17110            Arable fields and broadleaved woodland</p>
45.		<p>TG 09261 17084            2 oak trees with possible bat potential (probably considered veteran)</p>





No.	Image	Description / Comment
46.		<p>TG 09290 17079  Roadside verge with creeping cinquefoil, yarrow, white campion, mugwort, Yorkshire fog, false oat-grass and Lords and Ladies</p>
47.		<p>TG 09299 17071  Woodland with mature oak and ash trees, likely to be with high bat potential.</p>
48.		<p>TG 09253 17377  Vetean oak tree with moderate to high bat potential</p>
49.		<p>TG 08078 17387  Overgrown hedgerows with field maple and hawthorn and sycamore</p>
50.		<p>TG 07981 17313  Grassland surrounded with mature trees</p>

No.	Image	Description / Comment
51.		TG 07167 17828 River Wensum surrounded with sycamore, ash and oak. Himalayan balsam, greater willowherb, purple loosestrife and yellow water-lily. Grey wagtail
52.		TG 07167 17828 River Wensum
53.		TG 07580 18779 Lyng Road, with approx 30 mature oaks, with bat potential likely
54.		TG 07270 17968 Woodland with sycamore and oak with some mature trees
55.		TG 08341 15625 Arable field and solar farm

No.	Image	Description / Comment
56.		<p>TG 13867 12302 Ringland Hills woodland.</p> <p>Oak, birch, sycamore, field maple, beech, ash, elder, rowan, bramble, nettle, yellow archangel, bracken, hazel, ivy, holly, hedge woundwort, honeysuckle and bryophyte species recorded.</p>
57.		<p>TG 13216 12492 2 buzzards</p>
58.		<p>TG 13022 12649 Oak with moderate bat roost potential</p>
59.		<p>TG 12771 13003 Corsican pine, meadow brown, common knapweed, large white and dragonflies</p>
60.		<p>TG 12627 13204 Arable fields</p>



No.	Image	Description / Comment
61.		<p>TG 09742 14617 War memorial</p>
62.		<p>TG 11577 16351 2 veteran oak trees with bat potential</p>
63.		<p>TG 12198 14115 Overgrown hedges Comma, gatekeeper, green veined white, holly blue. Elder, blackthorn, bramble, nettle, burdock sp., yarrow, mugwort, hogweed.</p>
64.		<p>TG 10238 18246 River Wensum</p>
65.		<p>TG 08682 18307 Himalayan balsam and deadwood</p>

No.	Image	Description / Comment
66.		TG 08701 18326 Veteran oak with bat potential
67.		TG 08259 18639 Grassland with scattered scrub
68.		TG 08063 18411 Grassland, hard to identify species due to dry weather.
69.		TG 08063 18411 Toad



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