

**Whitcher Wildlife Ltd.  
Ecological Consultants.**



---

**47 HONEYWELL LANE, BARNSELEY.**

**MAP REF: SE 34474 07297.**

**BIODIVERSITY NET GAIN REPORT.**

**Ref No: 250706.**

**Date: 24<sup>th</sup> July 2025.**

# **TABLE OF CONTENTS.**

---

	Page Number
<b>1. INTRODUCTION.</b>	<b>3</b>
<b>2. SURVEY METHODOLOGY.</b>	<b>4</b>
<b>3. SURVEY RESULTS.</b>	<b>5</b>
<b>4. BIODIVERSITY NET GAIN ASSESSMENT.</b>	<b>10</b>
<b>5. REFERENCES.</b>	<b>12</b>
<b>Appendix I. ANNOTATED MAP OF THE SURVEY AREA PRE DEVELOPMENT.</b>	<b>14</b>
<b>Appendix II. POST DEVELOPMENT PLAN.</b>	<b>15</b>

# **1. INTRODUCTION.**

1.1. A planning application, is to be submitted for outline planning permission for a new dwelling at 47 Honeywell Lane, Barnsley.

1.2. The Local Authority will require a Biodiversity Net Gain Report in support of that planning application.

1.3. Whitcher Wildlife Ltd was therefore commissioned to undertake a Biodiversity Net Gain assessment of the site to satisfy the above request. This has been undertaken using the Statutory Metric Calculation Tool.

1.4. A site visit was carried out on 15<sup>th</sup> July 2025 to gather all relevant baseline information.

\*\*\*\*\*

## **2. SURVEY METHODOLOGY.**

2.1. All surveys were carried out in line with the Chartered Institute of Ecological and Environmental Management (CIEEM) survey standards and advice.

2.2. A baseline survey was carried out of the site to establish the baseline biodiversity value of the area. Prior to visiting the site, the survey area was cross referenced to maps and aerial photographs to give a general idea of the habitats and potential issues within the area and to identify potential access and walking routes.

2.3. The survey area was walked where access was agreed. All habitats within and immediately around the survey area were documented and the dominant species within that habitat listed in line with the UK Habitat Classification methodology to identify the primary habitat types throughout the survey area. All primary habitats are accompanied by secondary codes which are used to add further specific details where necessary. Each primary habitat and unique set off secondary codes will be shown individually in the appended annotated map.

2.4. The baseline survey was carried out by Derek Whitcher who has over thirty years' experience of surveying for wildlife and has run his own wildlife consultancy since 1998. He has extensive experience of a wide variety of survey techniques for a variety of species of protected wildlife supplemented by attendance on a wide range of training courses through CIEEM, FSC and BCT. As a member of CIEEM he is committed to continuous professional development, a continual process of learning and career development, a condition of CIEEM membership. He holds current Natural England survey licences for bats and great crested newts.

Natural England Bat Survey Licence Number	2015-13205-CLS-CLS.
Natural England Great Crested Newt Licence Number	2015-06792-CLS-CLS.

\*\*\*\*\*

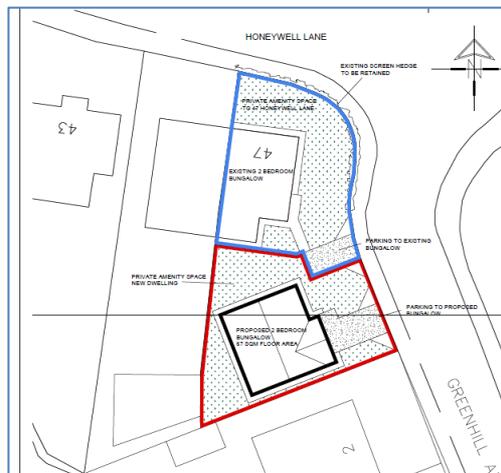
### 3. SURVEY RESULTS.

#### 3.1. The Survey Area.

3.1.1. The proposed new dwelling will be on land to the rear of 47 Honeywell Lane, as shown by the white arrow below. The site is located within a residential area of Barnsley.



3.1.2. The aerial map below shows the location of the proposed new dwelling adjacent to 47 Honeywell Lane, the land outlined in red below.



### 3.2. Description of Habitats.

3.2.1. Appendix I of this report contains an annotated map marked up with the varying baseline habitats of the site. These habitats are: -

- u1c – Artificial, unvegetated, unsealed surface.
- g4 – Modified grassland.
- h2b – Other hedgerow
- u1e – Built linear feature

#### 3.2.2. u1c – Artificial, unvegetated, unsealed surface.

3.2.2.1. The majority of the site has been levelled and covered with chippings as shown by the two photographs below, one looking east and one looking east.

3.2.2.2. Aerial photography shows that there used to be a garage building on this area but that has been demolished and the area covered with chippings. The site was therefore hard standing previously and this does not affect the biodiversity value of the site.



#### 3.2.3. g4 – Modified grassland.

3.2.3.1. The red line boundary also includes an area of closely mown lawn or modified grassland, as shown in the photographs below.

3.2.3.2. Species present include red fescue (*Festuca rubra*), perennial ryegrass (*Lolium perenne*), dandelion (*Taraxacum officinale*), greater plantain (*Plantago major*) and creeping buttercup (*Ranunculus repens*).



3.2.3.3. The condition assessment for this habitat is within the Statutory BNG Condition Assessment document that accompanies this report. The condition of the modified grassland is poor, passing five criteria.

#### **3.2.3.4. Secondary code 847 - Introduced shrub.**

There is one hydrangea bush in the corner of the lawn. There is no condition assessment for this habitat.



### **3.2.4. h2b – Other hedgerow.**

3.2.4.1. There is a hedgerow on the site boundary with Greenhill Avenue. The section to be removed comprises leylandii hedging, as shown below.#



3.2.4.2. The condition assessment for this habitat is within the Statutory BNG Condition Assessment document that accompanies this report. The condition of the hedgerow is good, failing only one of the criteria.

### **3.2.5. u1e – Built linear feature – Fence.**

There are fences around the existing garden of 47 Honeywell Lane. There is no condition assessment for this habitat.



**3.2.6. u1e – Built linear feature – Wall.**

There are various low level retaining walls on the site. There is no condition assessment for this habitat.



\*\*\*\*\*

## 4. BIODIVERSITY NET GAIN ASSESSMENT.

### 4.1. Baseline Biodiversity Value.

4.1.1. The below table demonstrates the baseline area biodiversity units of the red line development area using the Statutory Metric Calculation Tool.

*Area habitats:*

Habitat Type	Area in ha	Distinctiveness	Condition	Biodiversity units
Artificial, unvegetated, unsealed surface.	0.0125	V.Low	N/A	0
Modified grassland	0.0072	Low	Poor	0.01
<b>Total</b>	<b>0.0197</b>			<b>0.01</b>

4.1.2. The below table demonstrates the baseline linear biodiversity units of the red line development area using the Statutory Metric Calculation Tool.

*Linear habitats:*

Habitat Type	Length in km	Distinctiveness	Condition	Biodiversity units
Other hedgerow	0.0057	Low	Poor	0.01
<b>Total</b>	<b>0.01</b>			<b>0.01</b>

4.1.3. The area baseline habitat value is 0.01Bu and the baseline linear habitats also 0.01Bu.

### 4.2. Post Development Habitat Creation.

4.2.1. The post development habitat on site will be developed land and vegetated garden.

*Area Habitats.*

Habitat Type	Area in ha	Distinctiveness	Condition	Biodiversity units
Vegetated garden	0.0097	Low	N/A	0.02
Developed land, sealed surface.	0.0099	V.Low	N/A	0
<b>Total</b>	<b>0.0197</b>			<b>0.02</b>

4.2.2. There will be no post development linear habitat on site.

**4.3. Biodiversity Net Gain Outcome.**

Based on the above, the following are the headline results, which show a small loss of 0.1Bu of linear habitat. This represents a 100% loss of linear habitat, which will have to be provided off site.

FINAL RESULTS					
Total net unit change <small>(Including all on-site &amp; off-site habitat retention, creation &amp; enhancement)</small>	Habitat units		0.00		
	Hedgerow units		-0.01		
	Watercourse units		0.00		
Total net % change <small>(Including all on-site &amp; off-site habitat retention, creation &amp; enhancement)</small>	Habitat units		30.01%	Total net gain achieved is less than target set ▲	
	Hedgerow units		-100.00%		
	Watercourse units		0.00%		
Trading rules satisfied?	No - Check Trading Summaries ▲				
Unit Type	Target	Baseline Units	Units Required	Unit Deficit	
Habitat units	10.00%	0.01	0.02	0.00	No additional area habitat units required to meet target ✓
Hedgerow units	10.00%	0.01	0.01	0.01	
Watercourse units	10.00%	0.00	0.00	0.00	No additional watercourse units required to meet target ✓

\*\*\*\*\*

Prepared by:369	
Derek Whitcher. BSc, MCIEEM, MCMi	Date: 24 <sup>th</sup> July 2025

Checked by:	
Ruth Georgiou BSc, MCIEEM.	Date: 24 <sup>th</sup> July 2025

## 5. REFERENCES.

- Amphibian and Reptile Groups of the United Kingdom (2010) *ARG UK Advice Note 5: Great Crested Newt Habitat Suitability Index*. ARGUK.
- Baker, J., Beebee T., Buckley, J., Gent, A. and Orchard, D. (2011). *Amphibian Habitat Management Handbook*. Amphibian and Reptile Conservation, Bournemouth.
- Bat Tree Habitat Key (2018) *Bat Roosts in Trees: a guide for identification and assessment for tree-care and ecology professionals*. Pelagic Publishing, Exeter
- Bird Survey & Assessment Steering Group (2023). *Bird Survey Guidelines for assessing ecological impacts, v.1.1.1*. Available at <https://birdsurveyguidelines.org> (Accessed 15/04/2024)
- Bright, P., Morris, P. & Mitchell-Jones, T. (2006) *The Dormouse Conservation Handbook*. English Nature, Peterborough.
- Chanin, P. (2003) *Ecology of the European Otter*. Conserving Natura 2000 Rivers Ecology Series No.10. English Nature, Peterborough.
- Chanin, P. (2003) *Monitoring the Otter Lutra lutra*. Conserving Natura 2000 Rivers Monitoring Series No.10. English Nature, Peterborough.
- CIEEM (2017) *Guidelines for Preliminary Ecological Appraisal, 2nd edition*. Chartered Institute of Ecology and Environmental Management, Winchester.
- CIEEM (2017) *Guidelines on Ecological Report Writing*. Chartered Institute of Ecology and Environmental Management, Winchester.
- Cresswell, P., Cresswell, W.J., and Woods, M. (1993) *The Country Life Guide to Artificial Badger Setts*. Country Life, London.
- Collins J. (ed.) 2023. *Bat Surveys for Professional Ecologist: Good Practice Guidelines (4th Edition)*. The Bat Conservation Trust, London.
- Dean, M., Strachan, R., Gow, D. and Andrews, R. (2016) *The Water Vole Mitigation Handbook* (Mammal Society Mitigation Guidance Series). Eds Fiona Mathews and Paul Chanin. Mammal Society, London.
- Department for Environment, Food & Rural Affairs (2024) *Biodiversity Net Gain*. Available at <https://www.gov.uk/government/publications/statutory-biodiversity-metric-tools-and-guides> (Accessed: 15/04/2024).
- Department for Environment, Food & Rural Affairs (2024) *Statutory Net Biodiversity Metric User Guide*. Available at <https://www.gov.uk/government/collections/biodiversity-net-gain> (Accessed: 15/04/2024).
- Department for Levelling Up, Housing and Communities (2023) *National Planning Policy Framework (NPPF)*. Available at <https://www.gov.uk/government/publications/national-planning-policy-framework--2> (Accessed: 15/04/2024).
- Edgar, P., Foster, J. and Baker, J. (2010) *Reptile Habitat Management Handbook*. Amphibian and Reptile Conservation, Bournemouth.
- English Nature (2001) *Great Crested Newt Mitigation Guidelines*. English Nature, Peterborough.
- Froglife (1999) *Froglife Advice Sheet 10: reptile survey*. Froglife, London.
- Gurnell, J., & Lurz, P. (2012) *Red Squirrel*. In: Cresswell, W.J., Birks, J.D.S., Dean, M., Pacheco, M., Trehwella, W.J., Wells, D. and Wray, S. (2012). *UK BAP Mammals: Interim Guidance for Survey Methodologies, Impact Assessment and Mitigation*. The Mammal Society, Southampton.
- Harris, S., Cresswell, P. and Jefferies D. (1989) *Surveying Badgers*. Occasional Publication No 9, The Mammal Society, London.
- Langton, T.E.S., Beckett, C.L., and Foster, J.P. (2001), *Great Crested Newt Conservation Handbook*, Froglife, Halesworth.
- Mitchell-Jones, A.J. (2004) *Bat Mitigation Guidelines*. English Nature, Peterborough.
- Natural England (2022) *Hazel Dormice: Advice for making planning decisions*. Available at <https://www.gov.uk/guidance/hazel-dormice-advice-for-making-planning-decisions> (Accessed: 15/04/2024)
- Natural England (2014) *Protected species and development: advice for local planning authorities*. (updated 2021) Available at: <https://www.gov.uk/guidance/protected-species-how-to-review-planning-applications> (Accessed: 05/03/2021).
- Natural Environment and Rural Communities Act 2006* Available at <https://www.legislation.gov.uk/uksi/2019/579/contents/made> (Accessed: 15/04/2024). 29
- Peay, S. (2003) *Monitoring the White-clawed Crayfish Austroptamobius pallipes*. Conserving Natura 2000 Rivers Monitoring Series No. 1. English Nature, Peterborough.

Stanbury, A. et al (2021) The status of our bird populations: the fifth Birds of Conservation Concern in the United Kingdom, Channel Islands and Isle of Man and second IUCN Red List assessment of extinction risk for Great Britain. *British Birds* 114: 723-747. Available at <https://britishbirds.co.uk/content/status-our-bird-populations> (Accessed 15/04/2024)

Joint Nature Conservation Committee (2004). *Common Standards Monitoring Guidance for Birds*. 2004 ed. JNCC, Peterborough.

The Conservation of Habitats and Species (Amendment) (EU Exit) Regulations 2019 Available at <https://www.legislation.gov.uk/uksi/2019/579/contents/made> (Accessed: 15/04/2024).

The Protection of Badgers Act 1992 Available at <https://www.legislation.gov.uk/ukpga/1992/51/contents> (Accessed: 15/04/2024).

The Wildlife and Countryside Act 1981 (as amended). Available at <http://www.legislation.gov.uk/ukpga/1981/69> (Accessed: 15/04/2024).

UKHab Ltd (2023) UK Habitat classification Version 2.0 Available at <https://www.ukhab.org>. JNCC, Peterborough.

# Appendix I. ANNOTATED MAP OF THE SURVEY AREA PRE DEVELOPMENT.



Site: 47 Honeywell Lane, Barnsley

Date: 16.07.2025

Reference: 250706

Produced by: Samuel Bentley



# Appendix II. POST DEVELOPMENT PLAN.

