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John Barlow
Littlewood Field Farm
Longsight Road
Clayton le Dale
Lancashire
BB2 7JA

1 May 2018

Job ref: B 1932

Dear Mr Barlow

European Protected Species – Site scoping survey: Littlewood Field Farm, Longsight Road, BB2 7JA

You have requested a European Protected Species scoping survey as a condition of a planning application to Ribble Valley Borough Council (RVBC) for building alterations at the above property.

The Local Planning Authority is required to take account of the impact of a development on protected species in accordance with current planning policy (National Planning Policy Framework). RVBC requires an appraisal of the likely impact of the proposed development on all bat species that are present or likely to be present at the site, in addition to any mitigation and enhancement measures that may be necessary.

As a consequence of the historical declines in bat populations during the second half of the twentieth century, all bats and their roosts are protected by UK law. The depletion of natural habitats throughout the UK means that some bat species are now more than ever dependent on houses and other structures as roosting sites. This dependence makes them vulnerable to developments which cause damage or destruction of bat roosts, particularly where maternity roosts are involved, resulting in negative impacts on local bat populations.

Since 2008 bats have been included in the list of UK Biodiversity Indicators which aim to show the response of species to the pressures, changes and threats to our natural and built environment.

A preliminary roost assessment (scoping survey) has found no evidence of roosting bats at your property.

It is recommended that the development proceeds without a requirement to obtain a development licence (EPSL) since the proposed building works are unlikely to result in a breach of the Habitats Regulations.

Further survey effort is not required.

Please find a copy of the survey report below.

Yours sincerely

David Fisher
Director (EED Surveys)

PRELIMINARY ROOST ASSESSMENT – BAT SURVEY REPORT

Littlewood Field Farm, Longsight Road, Clayton le Dale, BB2 7JA

Date of survey: 27 April 2018

Introduction

Since 2008 bats have been included in the list of UK Biodiversity Indicators which aim to show the response of species to the pressures, changes and threats to our natural and built environment. The Local Planning Authority is required to take account of the impact of a development on protected species in accordance with current planning policy (National Planning Policy Framework).

The survey covers roof voids (where these are safely accessible) and all external features of the property likely to be affected by the proposed building operations. The timing of the survey is not dependent on whether bats or wild birds are active at the time of the inspection.

The principle aim of the survey is to determine the presence of European Protected Species and to establish whether bats, barn owls and other nesting birds such as barn swallows, swifts and house martins have been active within any part of the building that is likely to be affected by the proposed development.

Ribble Valley Borough Council requires an appraisal of the likely impact of the proposed development on all bat species and other protected species that are present or likely to be present at the site, in addition to any mitigation, compensation and enhancement works that may be necessary before any works are undertaken.

From the developer's perspective, the primary objective of the survey is to ensure that works can proceed lawfully without breaching the Habitats Regulations.

Timing of survey / weather conditions

The preliminary roost assessment was carried out Friday 27 April 2018 between 11.00 and 11.45. The weather at the time of the survey was cool, wet and overcast (min. temperature: 7°C, cloud: 100%, wind: light NW, rain: light showers), providing adequate conditions for this level of survey.

Personnel

The inspection was carried out by David Fisher (EED Surveys) - an ecological consultant and Natural England licence holder since 1989. Current licences held:

Natural England Class Licence WML - A34 - Level 1 (Registration Number: 2015 – 17599-CLS-CLS)

Natural England Class Licence WML - A34 – Level 2 (Registration Number: 2015 – 12106-CLS-CLS)

Survey objectives

Collect robust data to provide an assessment of the potential impacts of the proposed development on bat populations and other protected species.

Facilitate the design of mitigation, enhancement and monitoring strategies for bats and all protected species.

Provide a clear assessment of risk to bats and other protected species enabling the Local Planning Authority to reach an informed planning decision.

Assist clients in meeting their statutory obligations.

Facilitate the conservation of local wildlife habitats, bat populations and other protected species.

Survey methodology

The survey methodology is designed to determine the likely presence of bats within the property and does not necessarily prove absence.

The survey method involves a search of the enclosed roof voids to identify potential or actual roost locations, feeding signs and access points. The external inspection includes a visual inspection of the property normally from ground level using binoculars to look for signs of roosting bats.

The search is made using a high-powered lamp (*Clu-lite CB2 - 1,000,000 candle power*), close-focussing binoculars (*Leica Trinovid 10 x 32 BN*) and digital camera (*Sony Cyber-shot HX300*). A systematic daylight inspection of the structure is undertaken to identify any evidence of protected species such as droppings and urine spots, bat corpses, bat fly larvae, fur oil staining, feeding remains such as discarded moth and butterfly wings and other insects fragments, odour or noise of movement or squeaking calls from hidden bats in a roost.

The survey methodology follows the recommended guidelines published by the Bat Conservation Trust - *Bat Surveys: Good Practice Guidelines, 2nd Edition, Hundt, L (2012)*, Natural England (*Survey Objectives, Methods and Standards as outlined in the Bat Mitigation Guidelines, 2004*) and Chapter 3 - Survey and Monitoring Methods, (*Bat Worker's Manual, JNCC, Mitchell-Jones AJ and McLeish, AP, 3rd Edition 2004*).

Non-invasive survey methods were used to assess the use of the property by protected species.

Survey limitations

The preliminary roost assessment (scoping survey) can be undertaken at any time of the year and is not dependent on whether roosting bats are present at the time of the site visit.

Crevice-roosting bat species are able to roost within narrow gaps and cavities, frequently less than 25mm wide; solitary roosting bats are sometimes overlooked during daylight inspections, particularly in situations where bats have gained access in rubble walls, cavity walls, box soffits, wall claddings or beneath roofing materials.

Evidence of bat activity such as bat droppings or staining on external walls and surfaces is frequently removed by the action of wind and rain. In some situations it is not possible to inspect every location where bats are likely to roost, therefore lack of evidence does not necessarily equate to evidence that bats are absent.

Bats in the Ribble Valley

Ten bat species have been recorded in the Ribble Valley and the Forest of Bowland AONB in recent years. All UK bat species feed exclusively on insect prey. Bats are present within a very wide range of habitats, both urban and rural, particularly where there are areas of standing open water, significant river channels, broadleaved woodlands, conifer or mixed plantations and other high quality semi-natural habitats where flying insects and invertebrates are more abundant and roost opportunities are available.

Although some species are largely dependent on trees and woodland, all locally occurring species are known to rely on built structures for at least part of their life cycle; these include residential properties, barns, agricultural buildings, garages, commercial premises, offices and factories, cellars, bridges and culverts.

All bats are warm-blooded and are attracted to warm structures in summer. Contrary to popular belief, buildings constructed since 1970 are frequently used as maternity roosts between May and August when pregnant females gather, sometimes in considerable numbers at suitable sites to give birth to their young.

During late summer and autumn adults and young bats leave their breeding roosts and disperse within the wider district; there is also increasing evidence of seasonal movement and migration by certain species.

Hibernation normally occurs at locations with stable, cool and humid conditions between October and April, this being a period of relative inactivity, enabling bats to survive the winter when insect prey is generally scarce.

Pre-existing information

There are no records of roosting bats at this property.

Pre-survey data sources

(1) European Protected Species (EPS) – ie. locally significant bat roosts or species records within the district.

(2) Locally, regionally or nationally important wildlife and conservation designations.

(3) EPS surveys undertaken at this site and other properties within 2km of the site.

(4) National Biodiversity Network (NBN) terrestrial mammal records (chiroptera) for the 10km grid square.

(5) Local bat records - East Lancashire Bat Group (ELBG) / North Lancashire Bat Group (NLBG)

(6) Interactive maps: *Natureonthemap* (Natural England) and *Magic.gov.uk*.

The following bat species have been recorded within the 10km national grid square SD 63 (Ribble Valley):

Common name	Scientific name	Status of local population
Natterer's bat	(<i>Myotis nattereri</i>) ^{1 2}	widespread / local
Whiskered bat	(<i>M. mystacinus</i>) ^{* 1 2}	widespread / local
Brandt's bat	(<i>M. brandtii</i>) ^{2 3}	widespread / uncommon
Daubenton's bat	(<i>M. daubentonii</i>) ^{* 1 2}	widespread / local
Brown long-eared bat	(<i>Plecotus auritus</i>) ^{* 1 2}	widespread / local
Common pipistrelle	(<i>Pipistrellus pipistrellus</i>) ^{* 1 2}	widespread / common
Soprano pipistrelle	(<i>P. pygmaeus</i>) ^{* 1 2}	widespread / common
Noctule bat	(<i>Nyctalus noctula</i>) ^{1 2}	widespread / local

*NBN data ¹East Lancashire Bat Group ²EED Surveys ³North Lancashire Bat Group

Location of the property

NGR: SD 660 328 Elevation: 97 metres

The property is situated on Longsight Road (A59) at Clayton le Dale; although adjacent to the highway, the building is very close to open countryside to the north and north-west and there is extensive agricultural grazing land, permanent grassland, small areas of mature broadleaved woodland and well-established hedgerows within the district (figure 1).

The nearest broadleaved woodland is the Old Park Wood / Mire Wood complex some 500 metres north of the site – these woodlands are designated Biological Heritage Sites (BHS) by Lancashire County Council and the Lancashire Wildlife Trust.

Although the location of this property is likely to be sub-optimal in terms of high-value feeding, foraging and commuting habitat for bats, the mixed patchwork of hedgerow, woodland, grazing land and paddocks provides adequate feeding and foraging habitat for insectivorous bird species such as swallows, martins and swifts.

A local data search has shown there are no designated nature conservation sites immediately adjacent to the property ie. Special Areas of Conservation (SACs), Sites of Special Scientific Interest (SSSI), Biological Heritage Sites (BHS), National Nature Reserves (NNR's), Local Nature Reserves (LNR's) or Regionally Important Geological and Geo-morphological Sites (RIGS).



Figure 1: Location of the property (SD 660 328)

Description of the property

The property is two storey stone-built house with an attached two storey barn and single storey lean-to garage.

The barn has two roof bays with a timber post-and-truss roof frame (figures 8 and 9) and rafter-with-purlin duo-pitched slate roof. The roof is lined with a bitumen felt; there are two glazed glass-slip roof lights to the north pitch. Externally the roof appears to be well-maintained and all verges and ridge tiles are secure.

The lean-to garage has a rendered block wall construction, concrete floor, single up-and-over alloy door, rear and side glazed windows and mono-pitch corrugated cement asbestos roof (figures 3, 5, 6 and 7).

The main barn has two internal timber hay lofts. The loft closest to the house has a single garage beneath; the opposite hay loft (figure 11) has an under-croft with three timber cubicles beneath (figure 12). The barn has a large wagon door entrance to the front elevation with timber door and two single doors to the rear. The barn has good natural light from several glazed windows; the building is generally secure, dry and well-ventilated.

Several old nests and signs of roosting indicate regular swallow nesting and roosting activity each summer.

There are no signs of access by roosting bats and there is no evidence of roosting or nesting barn owls.

Proposed works

Conversion of north end of barn to provide additional two storey accommodation by converting the ground floor garage and loft area (as located in figure 9).

It is understood the proposed works will include demolition of the southern part of the barn (figure 11) including the single storey lean-to garage (figure 5).



Figure 2: Front (south-east) elevation



Figure 3: Side (south-west) elevation



Figure 4: Rear (north-west) elevation



Figure 5: Lean-to garage



Figure 6: Garage front elevation



Figure 7: Garage internal



Figure 8: Barn roof bays - internal



Figure 9: internal view above the garage



Figure 10: hayloft – south end of barn



Figure 11: hay loft - south end of barn



Figure 12: undercroft beneath hayloft

Survey results

There are no signs of access by roosting bats within any part of the property. All internal and external features were carefully inspected for evidence of bat droppings, perching and feeding locations and other indicative signs of access; none were found.

Nesting barn swallows are likely to be present each summer; evidence of nesting and regular roost activity is present throughout the barn. There are no signs of access by barn owls or other nesting wild birds in any part of the property.

Evaluation of results (bats)

Although the building has moderate potential for attracting roosting bats, there is no historic evidence that bats have been active and there are no signs of any recent bat activity, consequently the proposed building and demolition works are unlikely to cause disturbance to roosting bats or result in the loss of a bat roost.

Potential of the buildings to support roosting bats

Negligible potential	Low potential	Moderate potential	High potential
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Likely risk of disturbance to roosting bats

Negligible Risk	Low Risk	Moderate Risk	High risk
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Impact assessment

Negligible impact	Low impact	Moderate impact	High impact
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Evaluation of results (barn swallows)

The barn is attractive to roosting and nesting swallows. The proposed building and demolition works are likely to result in the loss of roosting and nesting opportunities for swallows.

Birds return to their natal sites each spring and birds are likely to be active within the barn throughout the summer months. Building operations must avoid causing disturbance to nesting birds and should avoid the nesting period 1 May to 31 August). If exclusion of the birds is necessary it must be undertaken during the winter period when birds are absent; any exclusion must be completed before the end of March.

All birds, their nests and eggs are protected by law and it is an offence (with certain exceptions) to intentionally kill, injure or take any wild bird or to intentionally take, damage or destroy the nest of any wild bird while it is in use or being built.

Summary

There is no evidence of roosting bats at this site.

The proposed building alterations are **unlikely to cause disturbance to bats** or result in the loss of a bat roost or cause injury or death of a European Protected Species – (Bats) or result in any significant impact on a local bat population.

It is recommended the works proceed **without a requirement to obtain a development licence (EPSL)** since the proposed development is unlikely to result in a breach of the Habitats Regulations.

Further survey effort is **not required** at the property.

Barn swallows are likely to nest within the barn each summer (refer to additional notes - Annex 2 page 10).

Nesting birds, their nests and young must not be disturbed during the period May to September. If exclusion is required, this must be carried out during the winter and not later than the end of March.

Recommendations / mitigation advice

Action	Summary
1. Timing constraints	BATS – None Barn swallows – avoid disturbance between 1 May and 31 August inclusive.
2. Further survey effort at this site	Not required
3. Detailed method statement	Not required
4. Licence requirement (EPSL)	Not required
5. Building / demolition works: Removal of roofing materials and stonework	Solitary roosting or resting bats are very occasionally exposed during removal of roofing materials; highest risk areas are normally beneath roof slates, ridge tiles, lead-work, bitumen felt roofs and fascia boards where these are present. In the unlikely event of any bats being exposed during the removal of roofing materials, further operations in the area should cease until the building has been inspected by a qualified person / ecological consultant.
6. Removal of lean-to garage	Negligible risk of disturbance to roosting bats or nesting wild birds.

7. Legal responsibility	The onus lies with the applicant to ensure that no offence will be committed if the development goes ahead, regardless of planning permission being granted.
8. Nesting barn swallows	All birds, their nests and eggs are protected by law and it is an offence (with certain exceptions) to intentionally kill, injure or take any wild bird or to intentionally take, damage or destroy the nest of any wild bird while it is in use or being built.

ANNEX 1

Wildlife legislation – Bats and the law

All bat species in the UK receive full protection under the Wildlife and Countryside Act 1981 (amended by the Environment Protection Act 1990). The Countryside and Rights of Way Act 2000 amends the Wildlife and Countryside Act to also make it an offence to intentionally or recklessly damage, destroy or obstruct a place that bats use for shelter or protection. All species of bats are listed on Schedule 5 of the 1981 Act, which makes it an offence to:

- *intentionally kill, injure or take any wild bat.*
- *intentionally or recklessly damage, destroy or obstruct access to any place that a wild bat uses for shelter or protection. This is taken to mean all bat roosts whether bats are present or not.*
- *intentionally or recklessly disturb any wild bat while it is occupying a structure or place which it uses for shelter or protection.*

The protected status afforded to bats means planning authorities may require extra information (in the form of surveys, impact assessments and mitigation proposals) before determining planning applications for sites used by bats. Planning authorities may refuse planning permission solely on grounds of the predicted impact on protected species such as bats. Recent case law has underlined the importance of obtaining survey information prior to the determination of planning consent¹.

“It is essential that the presence or otherwise of protected species, and the extent that they may be affected by a development proposal, is established before the planning permission is granted, otherwise all relevant material considerations may not have been addressed in making the decision.”²

All British bat species are included in Schedule 2 of the Conservation (Natural Habitats, &c.) (Amendment) Regulations 2007, (also known as Habitats Regulations) which defines ‘European Protected Species’ (EPS).

¹ Bat Mitigation Guidelines, AJ Mitchell Jones, Joint Nature Conservation Committee, (2004) ISBN 1 86107 558 8

² Planning Policy Statement (PPS9) (2005) , Biodiversity and Geological Conservation. ODPM.

Protected species (Bats) and the planning process

Our built environment has the potential to have major negative impacts on biodiversity. However, if done sensitively, the development and refurbishment of buildings can, in fact, increase the ecological value of the site.*

For development proposals requiring planning permission, the presence of bats, and therefore the need for a bat survey, is an important ‘material planning consideration’. Adequate surveys are therefore required to establish the presence or absence of bats, to enable a prediction of the likely impact of the proposed development on them and their breeding sites or resting places and, if necessary, to design mitigation and compensation. Similarly, adequate survey information must accompany an application for a Habitats Regulations licence (also known as a Mitigation Licence) required to ensure that a proposed development is able to proceed lawfully¹.

The term ‘development’ [used in these guidelines] includes all activities requiring consent under relevant planning legislation and / or demolition operations requiring building control approval under the Building Act 1984.

Natural England (Formerly English Nature) states that development in relation to bats “covers a wide range of operations that have the potential to impact negatively on bats and bat populations. Typical examples would be the construction, modification, restoration or conversion of buildings and structures, as well as infrastructure, landfill or mineral extraction projects and demolition operations”.²


Natural England – North of England offices are located at:

Crewe: Natural England, Electra Way, Crewe Business Park, Crewe, Cheshire, CW1 6GJ 0300 060 2922

Kendal: Natural England, Juniper House, Murley Moss, Oxenholme Rd, Kendal, Cumbria, LA9 7RL 0300 060 2122

Manchester: Natural England, 3rd Floor, Bridgewater House, Whitworth Street, Manchester, M1 6LT 0300 060 1062

ANNEX 2

<p>Provision for nesting barn swallows</p>  <p>Example:</p> <p>SCHWEGLER No 10 Swallow Nest (for locating inside out-buildings to encourage barn swallows)</p>	<p>The location of the property is attractive to roosting and nesting swallows.</p> <p>Proposed new stables at the property are likely to provide suitable roosting and nesting opportunities for barn swallows.</p> <p>Wherever possible, the provision for nesting swallows should include design modifications such as inclusion of covered areas to encourage nest building and / or use of artificial nest platforms.</p> <p>Barn swallows (<i>Hirundo rustica</i>) are likely to be present during the spring and summer at this site. Swallows particularly are faithful to the same sites and will return each spring to the same site. Long-term monitoring of population trends has shown significant declines in parts of the UK.</p> <p>It is increasingly difficult for barn swallows to find suitable nesting opportunities in buildings. Using artificial nest platforms can encourage swallows and martins to nest under eaves and inside open portal structures such as stables and garages.</p> <p>All birds, their nests and eggs are protected by law and it is an offence (with certain exceptions) to intentionally kill, injure or take any wild bird or to intentionally take, damage or destroy the nest of any wild bird while it is in use or being built.</p>
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