

**BAT SURVEY AT -  
BROAD OAKS  
NORTHCOTE ROAD  
LANGHO**

**DATE AND TIME OF VISIT  
14th April 2023 9.00am**

**WEATHER CONDITIONS  
Sunny intervals, light southerly breeze. 6 C**

**REFERENCE NO. 6870**

**SURVEY CARRIED OUT BY:** [REDACTED]  
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**HAZELMERE, PIMLICO ROAD, CLITHEROE**  
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## UK BAT ECOLOGY

- It is thought that there are 18 native species of bats in the UK, most of which have seen declines in numbers over the last century.
- 11 Species have been recorded in Lancashire the most common being :-
  - **Common Pipistrelle** – Widely distributed across the UK.. Known to roost in buildings and trees.
  - **Soprano Pipistrelle**- – Widely distributed across the UK.. Known to roost in buildings and trees
  - **Whiskered / Brandts** – Roost mainly in buildings or trees.
  - **Long eared Bat** - Roost in older buildings, Barns, Churches and trees.
  - **Daubentons** - Known to roost in trees, tunnels, bridges, caves, mines and cellars near to lakes, rivers or ponds.
  - **Natterers** – Known to roost in old stone buildings , large timbered barns , tree holes , caves or mines.
- As insect feeding species the preferred habitats include woodland, grassland, agricultural land, wetland and rivers which provide good foraging potential.
- Bats typically roost close to foraging sites and use linear features such as hedgerows, tree lines and rivers to navigate. It is important to maintain these features, as removal is thought to contribute to the decline in numbers.
- Bats will roost in a wide variety of sites and built structures, including underground structures ( caves , bridges ) and trees . Types of roost and times of year used.

Hibernacula - November to March

Temporary roosts - March to April and August to October

Maternity roosts – May to August

Summer roosts – Used by Males and immature females

Mating roosts – September and October

- Disturbance to a Hibernacula or Maternity roost is the most damaging for any local bat population. The same Maternity roosts are typically used year after year commencing between May to early June and are colonised with mature females and their young, any disturbance can lead to abandonment of the young and loss of the roost will have a significant impact on the bat population. Hibernacula roosts typically consist of underground sites caves, cellars etc or buildings which maintain cool and fairly constant temperatures. Bats hibernate ( deep sleep , torpor ) to survive the winter months when insects are in short supply so they hibernate to conserve energy and survive on their fat stores. Any disturbance which wakes the bats can result in unnecessary use of the energy reserves and thus reduces the chance of survival over the winter months.

**THIS SURVEY HAS BEEN CARRIED OUT BY: [REDACTED] WHO HAS COMPLETED THE BAT CONSERVATION TRUST'S 'BATS AND BAT SURVEYS' FOUNDATION COURSE FOR CONSULTANTS, AND 'PLANNING AND PREPARATION OF BAT SURVEYS' COURSE**

**EMERGENCE SURVEYS ARE CARRIED OUT WITH A SECOND SURVEYOR WITH ELEVEN YEARS EXPERIENCE OF ASSISTING ON EMERGENCE SURVEYS**

### **THE BRIEF**

In conjunction with the submission of an application for planning approval, this survey was commissioned to identify if bats are currently present in the building, to assess if it has been used in the past or if there is any potential for future use of the building.

All British bats and their roosts are legally protected under the Wildlife and Countryside Act 1981 (as amended) and the Conservation of Habitats and Species Regulations 2010, the Countryside and Rights of Way Act 2000 and the Natural Environment and Rural Communities Act 2006

### **BAT LEGISLATION - Summary of offences under the law:**

#### **Bats and the Law Wildlife and Countryside Act 1981.**

Principally those relating to powers and penalties, have been amended by the Countryside and Rights of Way Act 2000 (CRoW Act). The CRoW Act only applies to England and Wales.

Section 9(1) It is an offence for any person to intentionally kill, injure or take any wild bat.

Section 9(4)(a) It is an offence to intentionally or recklessly\* damage, destroy or obstruct access to any place that a wild bat uses for shelter or protection. (\*Added by the CRoW Act in England and Wales only) This is taken to mean all bat roosts whether bats are present or not.

Section 9(4)(b) It is an offence to intentionally or recklessly\* disturb any wild bat while it is occupying a structure or place that it uses for shelter or protection. (\*Added by the CRoW Act in England and Wales only)

#### **The Conservation (Natural Habitats, &c.) Regulations 1994**

Section 39(1)

It is an offence to

(a) Deliberately to capture or kill any bat

(b) Deliberately to disturb any bat

(c) Damage or destroy a breeding site or resting place of any bat. The difference between this legislation and the Wildlife and Countryside Act 1981 is the use of the word 'deliberately' rather than 'intentionally'. Also disturbance of bats can be anywhere, not just at a roost. Damage or destruction of a bat roost does not require the offence to be intentional or deliberate.

#### **Countryside and Rights of Way (CRoW) Act (2000) Part III Nature conservation and wildlife protection 74 Conservation of biological diversity**

- (1) It is the duty of (a) any Minister of the Crown (within the meaning of the Ministers of the [1975 c. 26.] Crown Act 1975), (b) any Government department, and (c) the National Assembly for Wales, in carrying out his or its functions, to have regard, so far as is consistent with the proper exercise of those functions, to the purpose of conserving biological diversity in accordance with the Convention.

#### **The Natural Environment and Rural Communities Act (2006) PART 3, (40): Duty to conserve biodiversity**

- (1) Every public authority must, in exercising its functions, have regard, so far as is consistent with the proper exercise of those functions, to the purpose of conserving biodiversity.
- (2) Conserving biodiversity includes, in relation to a living organism or type of habitat, restoring or enhancing a population or habitat.

If it is discovered that development may impact upon bat roosts (thus leading to an offence being committed) a mitigation plan should be devised and a Bat Mitigation Licence applied for from the relevant government department (i.e. Natural England). Gaining a licence will depend on many variables, such as the bat species present, roost type, roost size and its local/regional/national importance

### **LIMITATIONS OF REPORT**

***NOTE:*** *The absence of bats is near impossible to prove. The bats' high mobility means it is virtually impossible to rule out bats using any type of structure for roosting or habitat for foraging or on a flight path.*

- External walls and internal rooms inspected from ground level.
- Roof spaces, attics and lofts will only be inspected if safe access is possible.
- Winter surveys will provide limited results. However internal inspection should determine if bats have used the building in the previous year.
- Any building whose structure is considered dangerous can only be inspected from a safe distance. Crevice- roosting bats ie. Pipistrelles, some Myotis species and Brown long eared bats can remain unseen even after close inspection in small spaces ie. cavity walls, roof structures soffits or cladding.
- Bat roosting evidence ie. Droppings or insect remains can be removed by weather conditions or sweeping/ cleaning internally so this lack of evidence cannot always prove undoubtedly that bats are absent.

### **EQUIPMENT USED ON SURVEY**

- 'MAGENTA 5' BAT DETECTOR
- BINOCULARS
- SHADOWHAWK 12000 lumen HIGH POWERED LED TORCH
- LADDERS FOR HIGH LEVEL INSPECTION
- CAMERA
- ENDOSCOPE

### **PROPOSED DEVELOPMENT**

Removal of timber summerhouse prior to construction of new Pool house.

Insertion of new beam/lintel at the eaves of the rear single storey lean to roof.

Impact of development in relation to potential bat habitat:-

Removal of roost habitat (summer house) Disruption to the eaves of the lean to roof.

### **TYPE OF BUILDING**

Detached house with single storey Lean to on the rear elevation.



Detached summer house in the garden.



### **METHODOLOGY**

The survey methodology follows the guidelines published in the Bat Conservation Trust 2016 ( BCT- Bat surveys, good practice guidelines 3rd Edition)

Scoping survey ; (Non invasive) carried out by one surveyor to assess if the site has any potential value for protected species and determine if bats are currently or have historically used the building.

Emergence survey ; are conducted 20 minutes before sunset and up to two hours after. Emergence surveys are conducted between the months of April through to end of September ( weather dependant).

October to April ( winter months ) bats are inactive during the hibernation period.

All surveyors used have many years experience in conducting bat emergence surveys

### **CONSTRAINTS**

Scoping only carried out. All areas were easily accessible. and visible.

### **AIMS OF THE SURVEY**

To ensure the proposed development will not affect any protected species

The survey will ; Identify past ,current or potential use of the site by protected species.

Assess any impact of the proposed development on these species

Outline a mitigation scheme for any species affected by the development (if required)

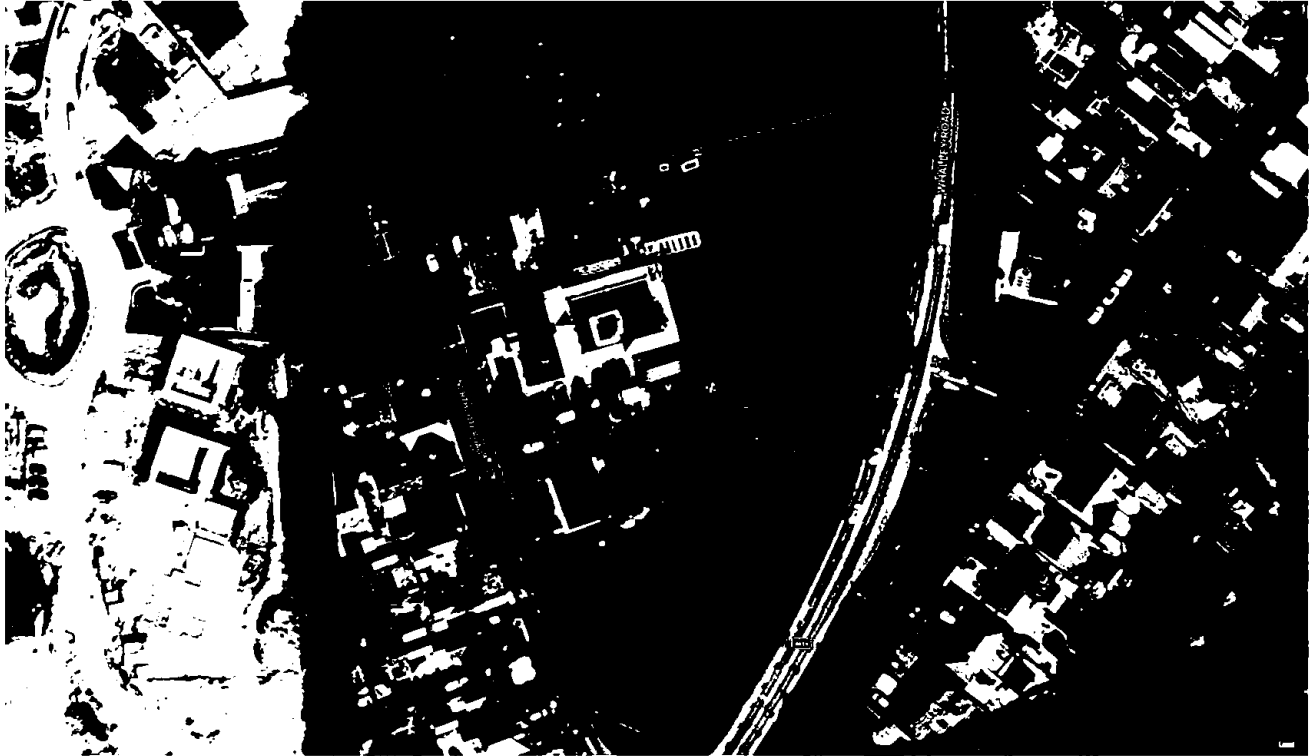
### **LOCATION SD 707346 91m elevation**

The property is located on the east side of Northcote road which runs between Whalley road ( A666) and Longsight road ( A 59) . it is approx. 204m to the south west of the Northcote roundabout on the A59. A significant housing estate has been recently constructed 74m to the west of the site. The location is considered to be suburban.



### **FORAGING POTENTIAL IN THE LOCATION**

A line of mature trees are located adjacent to Whalley road forming the rear boundary of the garden 77m to the east, a further line of trees is present to the rear garden boundary of the houses on the west side of Northcote road 46 m to the west. The location is considered to have a reasonable level of forage potential.



### **WALL CONSTRUCTION**

House walls are natural stone



The summerhouse walls are single skin timber boarding



### **BAT ACCESS POINTS IN WALLS**

The house walls are in excellent condition and very well pointed. No access points, cracks or crevices are present.

The summerhouse walls are in good condition and well painted. There are no access points in the walls.



### **ROOF CONSTRUCTION**

The lean to roof has a grey slate finish with pointed verges and flashed to the main house wall. UPVC fascia's are flush fixed to the wall.



The Summerhouse roof is single skin boarding over timber purlins with a tile look felt over.

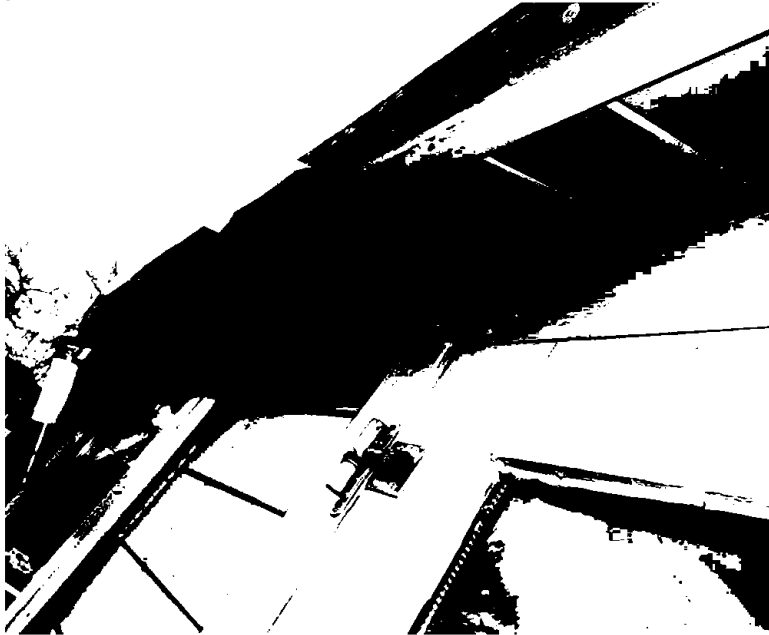


### **BAT ACCESS POINTS IN ROOF**

The lean to roof is in excellent condition. Close inspection was possible. No access points, cracks or crevices are present.



The felt on the summerhouse roof is in reasonable condition with no tears or bubbling. There is no gap at the abutment of the roof boarding with the walls. No access points, cracks or crevices are present.



#### **ROOF SPACE**

The underside of the summer house roof



The Summerhouse roof has timber purlins with single skin timber boarding over. In excellent condition and did not provide any potential roost habitat for bats.

#### **BAT SIGNS, EXTERNAL**

SEEN

DROPPINGS

MAGENTA BAT5 DETECTOR RESULT

Yes

No

	X
	X
	X

The external features of the lean to and the Summerhouse were the main focus of this scoping survey. The flashing, fascia's, roof coverings , adjacent walls and any sills were they were closely visually examined for droppings, staining, grease marks or feeding remains. No evidence was found.



## BAT SIGNS, INTERNAL

SIGHTED  
DROPPINGS  
DETECTOR RESULTS  
STAINING/GREASE MARKS  
SUSPECT SUMMER ROOST  
SUSPECT WINTER HIBERNACULA  
INSECT OR MOTH FEEDING EVIDENCE

Yes No

	X
	X
	X
	X
	X
	X
	X

Bats were not present in the interior of these buildings.

## CONCLUSION

The lack of evidence and lack of potential access points or crevices in either of the structures, indicates that the insertion of a new beam over the new door opening (lean to), or the removal of the summerhouse will not impact adversely on any local bat population nor is it likely that any bats will be uncovered or disturbed during the works..

It is not considered necessary to carry out an emergence survey nor is there a requirement for a mitigation scheme however the construction of a pool house will provide an opportunity to enhance the roost habitat in the locality. It is therefore recommended that the provision illustrated below is incorporated in the new pool room roof.

### METHOD 2:

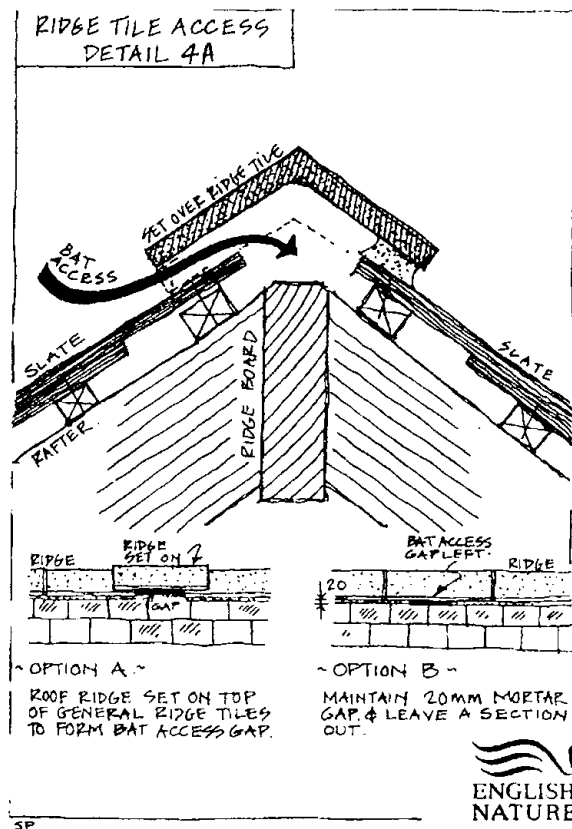
PROVIDE 2 No RIDGE ACCESS TILES ALONG THE ROOF RIDGE.

SPACE RIDGE ACCESS SLATES EVENLY ALONG LENGTH OF ROOF.

Ridge access tile Detail 4A (below)

RECOMMENDED BY NATURAL ENGLAND: either raised ridge tiles providing 15 – 20mm gaps or leaving access gaps under tiles to enable bats to enter the space beneath the ridge tiles

Pipistrelles and long-eared bats will enter roofs via narrow gaps under the ridge tiles; additional benefits are provided when small gaps are provided through the roofing felt or sarking membrane thus enabling bats to enter any retained roof voids.



**All contractors should be made aware of their responsibilities to protected species and work should proceed with due diligence and in the unlikely event that any bats are discovered work must be stopped immediately and a licensed bat worker must be contacted for advice on how to proceed**

## **RISK ASSESSMENT**

(The level of probability that bats are using the property is calculated on the evidence found.)

**LOW**

### **NOTES:**

**The precautions below should be incorporated in the unlikely event that any bats are found to be present in the intervening time between surveys and work commencing on site.**

**When bats are found to be present in a building:**

- A NATURAL ENGLAND licence will be required before any building work is undertaken.
- Pointing work should not be undertaken during winter months as hibernating bats might be entombed.
- Work to roof structure should not be undertaken between late May, June, July and August.
- Small areas of wall could be left un-pointed to encourage potential roosting sites.
- Care must be taken when removing existing roof timbers, and any new timbers or treatment of existing timbers must be carried out using chemicals listed as safe for bat roosts.
- NOTE: The onus lies with the applicant to satisfy themselves that no offence will be committed if the development goes ahead.

If bats are ever found during building work, stop work immediately and contact the Bat Conservation Trust or Natural England.

The Bat Conservation Trust  
Quadrant House  
250 Kennington Lane

London SE11 5RD

0845 1300 228

Natural England  
Cheshire-Lancashire Team  
2nd Floor, Arndale House

Manchester M4 3AQ

0300 060 3900

## **LIVING WITH BATS**

- **Bats are not rodents**, and will not nibble or gnaw at wood, wires or insulation.
- **Bats do not build nests** and therefore do not bring bedding material into the roost; neither do they bring their insect prey into the roost.
- **All bats in the UK eat insects**, so they are a great form of natural pest control!
- **Bat droppings** in the UK are dry and crumble away to dust. As a result, there are no known health risks associated with them.
- **Female bats usually have only one baby a year**, so properties do not become 'infested'.
- **Most bats are seasonal visitors** to buildings - they are unlikely to live in the same building all year round, although they are loyal to their roosts and so usually return to the same roosts year after year.
- **Bats are clean and sociable animals** and spend many hours grooming themselves.