

Bat Activity Surveys at
Barn 2, Oddi ar y Twmpath,
Garth, Glyn Ceiriog,
Wrexham LL20 7LY
SJ 20210 38184
on 20th August and 23rd September 2022

Report completed 6th October 2022
Ref: ODD200822

Survey by:
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Introduction

Susan Worsfold BSc (Hons) ACIEEM is an experienced wildlife surveyor, licensed bat and great crested newt worker and voluntary bat roost visitor. Registration number CLS0895 2015-12555-CLS-CLS (CL15 Bat Roost Visitor Level 1) and registration number CLS 0895 2015-12556-CLS-CLS (CL18 Bat Survey Level 2) (Natural England) and S089569-1 (Natural Resources Wales); Great crested newt licence registration number 2016-19947-CLS-CLS (NE) and S089570-1 (NRW)

This report was commissioned by John Lloyd, the owner.

The purpose of the report is to provide results from bat emergence surveys as recommended in the Protected Species Survey carried out by Dunelm Ecology in March 2020. This is necessary to comply with local planning policy and government legislation and avoid any offence being committed. Also, to describe any compensation, mitigation and enhancement measures which should be taken.

Methodology

Scope of the Assessment

The report describes the methods and results of the emergence surveys to supplement the previous report.

Field Survey

Two dusk emergence surveys were carried out in accordance with *Bat surveys for professional ecologists: Good Practice Guidelines (3rd Edn)* (Collins 2016) and the Interim Guidance Note: Use of night vision aids for bat emergence surveys and further comment on dawn surveys (*Bat Conservation Trust, May 2022*).

Frequency division detectors were used to record any bat sounds around the building for later analysis on the computer. These were Peersonic RPA3.

Infrared night vision aids (NVAs) were used alongside observers. These were Nightfox Red night vision goggles, mounted on tripods, with Nightfox XB5 IR torches.

Assessment of Effects and Mitigation Measures

No bats were found to be using the building as a roost. However, the site and environment is suitable for foraging and commuting bats.

There is not considered to be any threat to the conservation status of bats or danger of harm to individuals. However, if bats are found at any stage of the development then work in that area must stop and a licensed bat worker contacted for advice. Gaps in mortar should not be filled or repaired if they cannot be seen to be empty.

A lighting plan should be designed in accordance with the Bat Conservation Trust guidelines: <https://www.theilp.org.uk/documents/guidance-note-8-bats-and-artificial-lighting/>

Enhancement Recommendations

One crevice dwelling bat boxes to be mounted at the east gable end of the converted building.

Emergence Surveys

20/8/22

Observer or area

Sue Worsfold (SW) north east corner

Craig Thomas (CT) south west corner

Equipment

Peersonic RPA3 + Nightfox Red NVA

Peersonic RPA3 + Nightfox Red NVA

Bats recorded:

Common pipistrelle (*Pipistrellus pipistrellus*)

Soprano pipistrelle (*Pipistrellus pygmaeus*)

Noctule (*Nyctalus noctula*)

Myotis sp., probably Daubenton's bat (*Myotis daubentonii*)

Long eared bat, presumed brown long eared (*Plecotus auritus*)

<i>Observer or Area</i>	<i>Time</i>	<i>No. of Bats</i>	<i>Observation</i>	<i>Identification from visual or correlation with sonograms</i>
SW	20:51	1	Flew over roof S to N then S round corner of barn	Common pipistrelle
SW	20:55	1	Came from N then flew in and out of barn	Common pipistrelle
SW	20:57	1	Circling above	Common pipistrelle
SW	20:59	2	1 went under port and out again, 1 came over roof	Common pipistrelle
CT	20:28	1	Flew NW to SE	Soprano pipistrelle
CT	20:42	1	Flew NW to SE	Soprano pipistrelle
CT	20:49	1	Over top of barn then W	Soprano pipistrelle
CT	20:56	1	From NW then foraging above	Common pipistrelle
CT	21:14	1	From NW to SE	Brown long eared

23/9/22

Observer or area

Sue Worsfold (SW) north east corner
Craig Thomas (CT) south west corner

Equipment

Peersonic RPA3 + Nightfox Red NVA
Peersonic RPA3 + Nightfox Red NVA

Bats recorded:

Common pipistrelle (*Pipistrellus pipistrellus*)

Soprano pipistrelle (*Pipistrellus pygmaeus*)

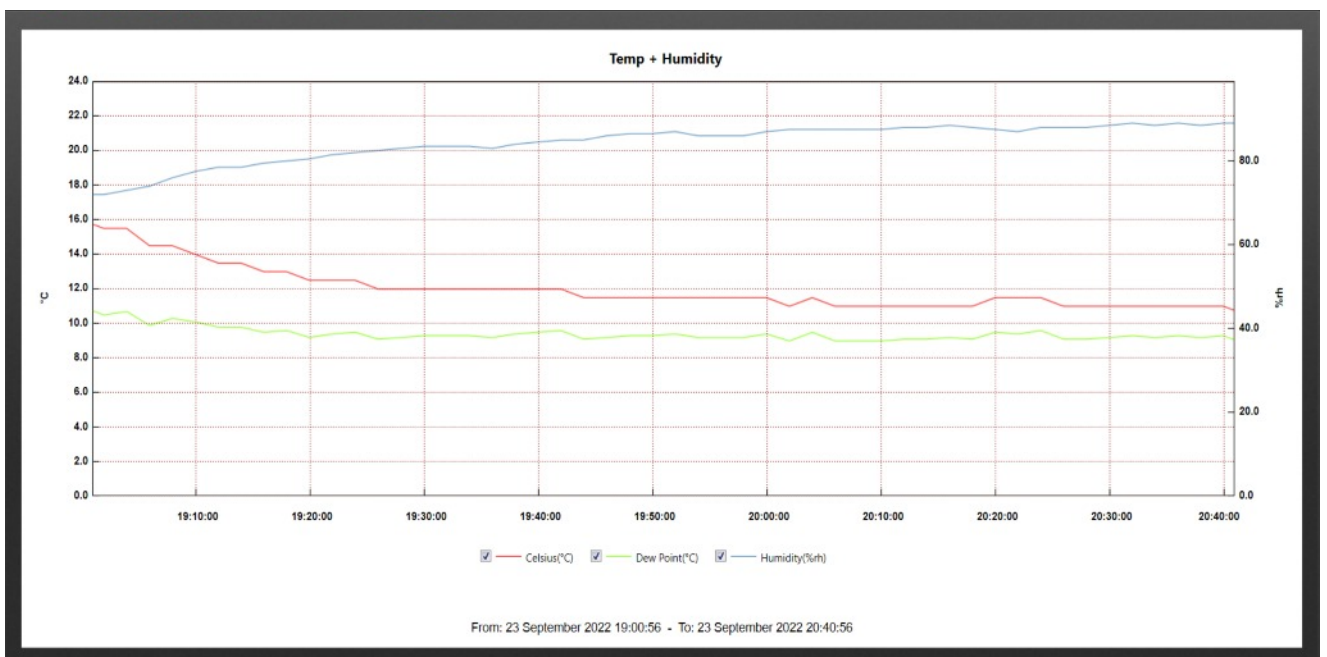
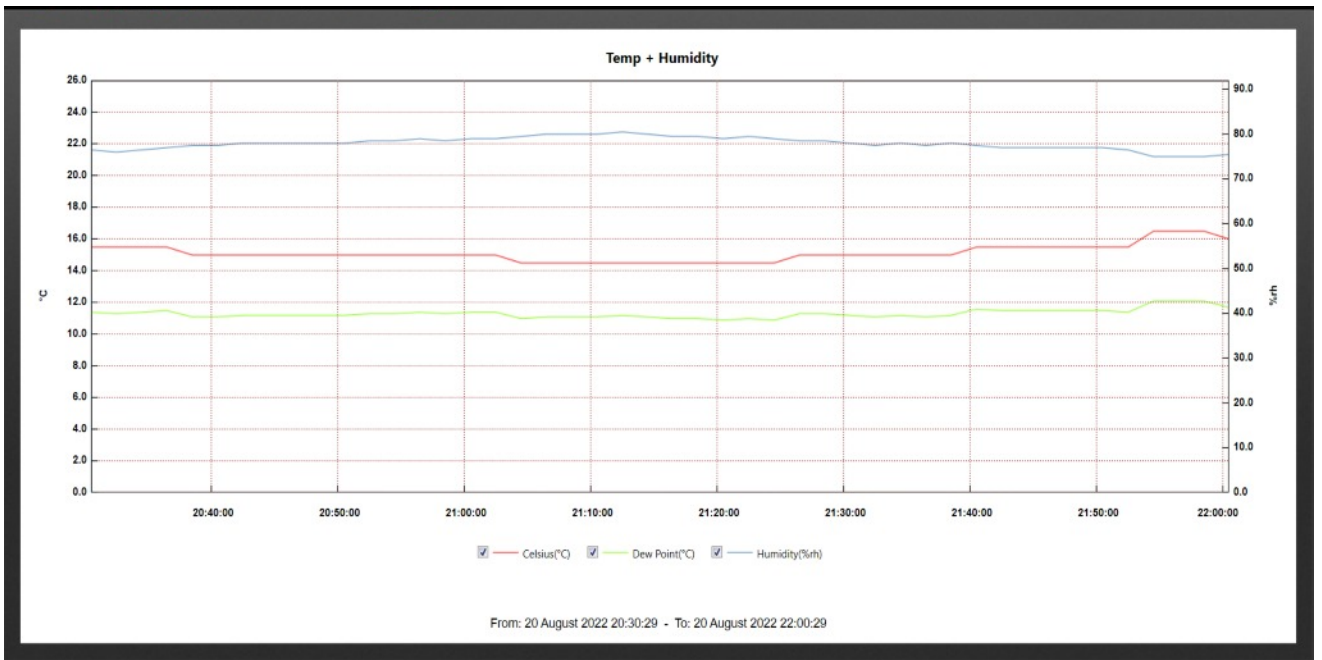
Noctule (*Nyctalus noctula*)

Long eared bat, presumed brown long eared (*Plecotus auritus*)

<i>Observer or Area</i>	<i>Time</i>	<i>No. of Bats</i>	<i>Observation</i>	<i>Identification from visual or correlation with sonograms</i>
SW	19:41	1	Flew NW to SE	Common pipistrelle
SW	20:37	1	Flew in and out of barn several times	Common pipistrelle

Survey Conditions

Date	Sunset/ Sunrise	Start Time	End Time	Temp. Start °C	Relative Humidity Start %	Temp. End °C	Relative Humidity End %	Cloud %	Wind 0-12
20/8/22	20:30	20:15	22:00	19	67	16	76	10	1
23/9/22	19:10	18:55	20:40	14	77	10	88	10	1



Aerial Photograph Showing Position of Observers



 Observer, NVA and bat detector

