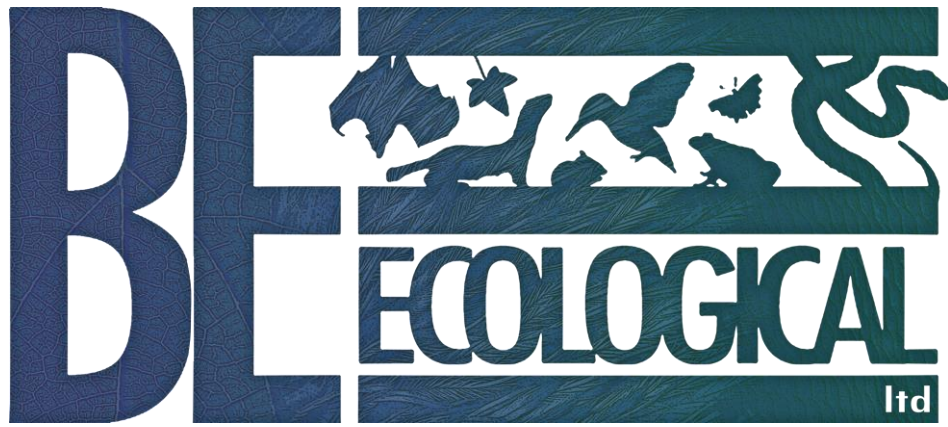




JOL'S, 30-31 HIGH STREET, MERTHYR TYDFIL

INITIAL BAT INSPECTION SURVEY

ISSUE 1, VERSION C

JANUARY 2022

Bat Survey Report

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CONTENTS

1	INTRODUCTION	6
1.1	Background.....	6
1.2	Site description	6
1.3	Proposed development.....	8
2	LEGISLATION & POLICIES.....	9
2.1	Conservation of Habitats & Species Regulations 2017 (as amended)	9
2.2	Wildlife & Countryside Act 1981.....	9
2.3	The Environment (Wales) Act 2016	9
3	METHODOLOGY.....	11
3.1	Survey Objectives.....	11
3.2	Survey Summary	11
3.3	Data Search.....	11
3.4	Surveyor Information	11
3.5	Internal & External Inspection	11
3.6	Survey limitations.....	12
4	RESULTS.....	12
4.1	Designated Sites.....	12
4.2	Bat and Bird Records within the Local Area	12
4.3	Inspection survey	12
4.4	Identified Roosts	13
4.5	Conclusion & Recommendations.....	13
4.6	Breeding Birds.....	13
5	INTERPRETATION & IMPACT ASSESSMENT.....	13
5.1	Active Season Usage	13
5.2	Hibernation Season Usage.....	14
5.3	Ecological Impacts of development	14
6	ENHANCEMENT	15
6.1	Bats.....	15
6.2	Birds.....	15
7	RECOMMENDATIONS	15
8	METHOD STATEMENT.....	16
9	REFERENCES	17

EXECUTIVE SUMMARY

It is proposed to demolish a single storey extension and replace it with a two storey extension to the rear of Jols, Merthyr Tydfil.

An initial bat inspection survey of the site was undertaken on 23rd June 2021. No bats or evidence of bats was seen on the exterior or in the interior of the building.

The building is currently used as a restaurant.

Due to a number of factors justified within this report, it is considered that the areas to be affected by the proposed works are of negligible potential for roosting bats.

In the unlikely event that any bats or evidence of bats are found, all works will cease, Natural Resources Wales consulted. Works will not recommence until such a time that Natural Resources Wales have provided written confirmation to do so. This may involve further survey effort and/or a European Protected Species Licence being issued.

No evidence of breeding birds were found throughout the buildings at the time of survey. However, a single blue tit and a single swallow were noted on the roof of the property during the inspection.

1 INTRODUCTION

1.1 Background

BE ECOLOGICAL LTD was commissioned by the client to undertake an initial bat inspection survey of a commercial building for the potential presence of birds and bats in order to support a planning application to refurbish and extend the property.

The surveys were undertaken in line with the current guidance on standards for bat surveys (Bat Conservation Trust, 2016).

1.2 Site description

The building is a three storey stone and brick built, partially rendered structure beneath a slate tile roof. The property is located on the High Street of Merthyr Tydfil (figures 1 and 2).

There is a single storey rendered extension to the rear with a hipped tile roof. Barge boards and fascias where present are of uPVC and generally in good order.

The property is located within a wholly urban area. There is very little vegetation present other than standard trees within the car park to the east. The vegetation is not well connected to the wider landscape. The surrounding area is well lit.

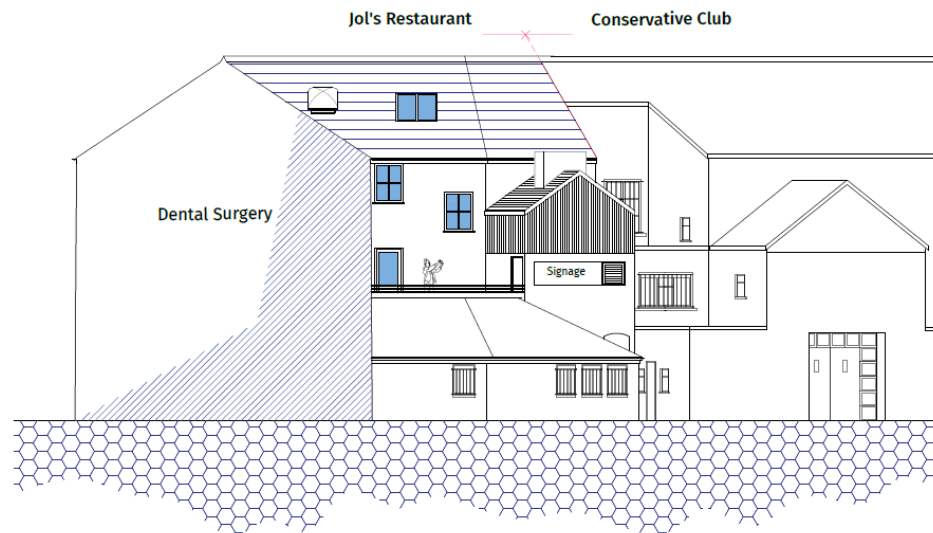


Figure 1- detailed view of site (boxed red)



Figure 2- view of wider landscape surrounding site (site arrowed red)

It is proposed to demolish a single storey extension and replace it with a two storey extension. A roof light will be placed in the roof to give light to the upper floor.



1 Proposed South Elevation
1:100

[illegible]

2 LEGISLATION & POLICIES

BATS

2.1 Conservation of Habitats & Species Regulations 2017 (as amended)

The Conservation of Habitats and Species Regulations (2017) provides safeguards for European Protected Species (those listed under Annex IV Habitats Directive). With regards to bats, this makes it an offence to:

- Deliberately (or recklessly in Scotland) capture, injure or kill a bat
- Deliberately (or recklessly in Scotland) disturb a bat in a way that would (significantly in Scotland) affect its ability to survive, breed or rear young (or hibernate or migrate in England, Wales and Northern Ireland) or (significantly in England, Wales and Scotland) affect the local distribution or abundance of the species.
- Damage or destroy a roost (this is an 'absolute' offence)
- Possess, control, transport, sell, exchange or offer for sale/exchange any live or dead bat or any part of a bat

2.2 Wildlife & Countryside Act 1981

The Wildlife & Countryside Act 1981 (as amended) is the legislation for England and Wales for nature conservation, making it an offence to:

- Intentionally or recklessly disturb a bat at a roost
- Intentionally or recklessly obstruct access to a roost

2.3 The Environment (Wales) Act 2016

The Environment (Wales) Act 2016 requires that all public authorities, when carrying out their functions in Wales, seek to "maintain and enhance biodiversity" where it is within the proper exercise of their functions. In doing so, public authorities must also seek to "promote the resilience of ecosystems". This ensures that biodiversity is an integral part of the decisions that public authorities take in relation to Wales. It also links biodiversity with the long term health and functioning of our ecosystems, therefore helping to align the biodiversity duty with the framework for sustainable natural resource management provided in the Act. In Wales, this legislation replaces and enhances the Natural Environment and Rural Communities Act (2006) which sought to raise the profile of biodiversity and to make sure that it is considered in all local authority decisions by ensuring that "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.". Other elements of NERC 2006 may still apply.

BIRDS

In Britain, all naturally occurring species (including hawfinches) are protected under Section 1 of the Wildlife and Countryside Act 1981 (as amended). The legislation protects all birds, their nests and eggs, and it is an offence to:

- intentionally kill, injure or take a wild bird;
- intentionally take, damage or destroy the nest of any wild bird whilst it is in use or being built; and
- intentionally take or destroy the egg of any wild bird.

In addition, birds listed on Schedule 1 of the above legislation, such as the red kite (*Milvus milvus*), are afforded further protection, and it is an offence to:

- Intentionally or recklessly disturb the bird whilst nest building or while at (or near) a nest with eggs or young; and
- Disturb the dependant young of such a bird.

Some birds however are exempt from this protection for certain purposes.

3 METHODOLOGY

3.1 Survey Objectives

- To carry out an initial bat inspection survey the building
- To present the above details and if necessary further surveys, recommendations for mitigation, future research and compensation within this report.
- To carry out a scoping survey for breeding birds

3.2 Survey Summary

The bat survey comprised of two parts:

- Initial bat inspection survey of building (including birds)
- Data Search (SEWBrEC)

3.3 Data Search

The South East Wales Biodiversity Records Centre (SEWBrEC) were formerly requested to supply a Bat and Roof-nesting Birds (BARB) survey for the site. The survey to provide; bat records within a 2km buffer, roof nesting birds within 150m buffer plus a list of all Special Areas of Conservation (SAC) and sites of Special of Special Scientific Interest (SSSI) designated for bat species within a 10km site buffer in May 2020. The data search reference number is 0212-251.

3.4 Surveyor Information

The inspection survey was undertaken by Beth Evans. Beth is the owner of BE ECOLOGICAL LTD and has a postgraduate degree in Environmental Biology: Conservation & Resource Management, specialising in British bats. Beth has 11 years' experience of ecological surveys, both in a small scale and large multi-disciplinary context. Beth also holds Natural Resources Wales and Natural England bat licences to disturb and handle bats. Beth was accompanied on the survey by Hugh Dixon. Hugh has multiple years' experience of bat surveys and also holds Natural Resources Wales and Natural England bat licences to disturb and handle bats.

3.5 Internal & External Inspection

An initial inspection survey was carried out on 23rd June 2021 by Beth Evans and Hugh Dixon to search the building, both internally and externally to identify potential bat roosting areas and signs of bat use including; live bats, dead bats, droppings, urine staining, grease marks and discarded prey items. The buildings and all areas/items of interest were recorded and photographed. Extension ladders/steps were used to safely access areas where no safe access was available the survey was conducted using, close focus binoculars and/or a high powered lamp.

3.6 Survey limitations

Any survey for bat species can only be a series of snapshots in time. Bats are highly mobile, long lived creatures (capable of living up to 30 years, sometimes longer) with complex social structures and utilising multiple roost sites within a year. The implications of this are that surveys and surveyors have to make informed assumptions based on observations, recorded data, local information and a detailed knowledge of the species.

4 RESULTS

4.1 Designated Sites

Information regarding statutory and locally designated sites for bats within a 10 km buffer study received from SEWBReC revealed;

The search area **DOES NOT** fall within 10km of an SAC or SSSI that has been designated because of its bats.

4.2 Bat and Bird Records within the Local Area

The SEWBReC search returned 95 records of bats within 2km of the development site. Species include, common pipistrelle, soprano pipistrelle, natterers, brown long-eared, myotis sp. and noctule. The majority of records refer to bats in flight. The closest known roost is a roost of pipistrelles in a boiler room 96m away.

There are 30 bird records from the data search, The closest records refer to pied wagtail, great tit, swallow and swift.

4.3 Inspection survey

4.3.1 External survey results

The survey carried out by BE Ecological Ltd revealed no droppings or evidence of bats on the exterior of the buildings and failed to find any suitable, obvious access points for roosting bats.

The majority of slates on the main roof and the tiles on the single storey extension, appear to be in good order with no obvious potential for roosting bats. There are no obvious missing or slipped slates/tiles. Fascias and barge boards where present appear to be relatively tight fitting.

The single storey extension has metal security grates over the windows which extend to the fascia.

Please see appended plates for photographs of the building exterior.

4.3.2 Internal survey results

Internally there is only access to one area of roof (southern end of building). There is a roof void present that is approximately 2m from joist to ridge. The void is boarded and appears to be lined with a plastic membrane. The void is full of pipework and what appear to be some form of plumbing (possibly header tanks). There are brick partitions between buildings.

The void is extremely dark and there do not appear to be any gaps/obvious light ingress' into the void. No bats or evidence of bats was found on the exterior of the building.

4.4 Identified Roosts

The building was not identified as a bat roost on this date.

4.5 Conclusion & Recommendations

It is considered that due to the fact the building has no obvious access points, the fully urban location and the lit nature of the site, the building is of a limited ecological value to and for bats.

As the tying in of the extension will temporarily disturb the roof, it is considered necessary that the work for this is undertaken in line with an ecological method statement and supervision.

The removal of the single storey roof will also need to be undertaken in line with a method statement and ecological supervision.

In the unlikely event that any bats or evidence of bats are found, all works will cease, BE Ecological Ltd and Natural Resources Wales consulted. Works will not recommence until such a time that Natural Resources Wales have provided written confirmation to do so. This may involve further survey effort and/or a European Protected Species Licence being issued.

4.6 Breeding Birds

No evidence of breeding birds was found throughout the buildings at the time of survey. If a birds nest is identified within the building or the ivy, it will be left until such a time that the birds have left the nest of their own accord.

5 INTERPRETATION & IMPACT ASSESSMENT

5.1 Active Season Usage

The property has not been identified as a bat roost.

5.2 Hibernation Season Usage

It is extremely unlikely that bats will use the building for hibernation due to a lack of access points.

5.3 Ecological Impacts of development

The impacts of the development have been assessed using the current information of the proposed works. Should any changes be made to the proposed works, the assessment will need to be reviewed and amended as necessary.

The building has not been identified as a bat roost and as such impacts on roosting bats are unlikely to be present. However, the demolition will be undertaken in line with a method statement and ecological supervision to safeguard the unlikely presence of bats and birds.

No mitigation is required.

6 ENHANCEMENT

6.1 Bats

A Schwegler 1FF bat box will be attached to the eastern elevations of the property. Should the 1FF prove difficult to source, an eco bat box (crevice box) <https://www.nhbs.com/title?slug=eco-bat-box> will be installed in its place.

6.2 Birds

A Schwegler 1SP Sparrow Terrace or the following <https://www.nhbs.com/sparrow-terrace-nest-box> will be attached to the northern of the property.

7 RECOMMENDATIONS

7.1.1 Timing

It is considered that the building is not a bat roost, as such, the work can be undertaken at any time of year.

7.1.2 Timber/roofing materials

It is considered that the building is not a bat roost, as such, restrictions on roofing materials are not required.

7.1.3 Lighting

Bat boxes will not be directly illuminated. All external lighting will face downwards and be set on timers to ensure that bats can use the area should they wish. – In addition to this, any onsite lighting will conform to the following guidelines:

<https://theilp.org.uk/publication/guidance-note-8-bats-and-artificial-lighting/>

7.1.4 Bat Licensing

A European Protected Species Licence obtained from Natural Resources Wales will not be required before any works commence. If at any point bats or evidence of bat is found, all works must cease and NRW consulted. Further surveys and/or a licence may be required prior to works recommencing

7.1.5 Supervision

Supervision for the removal of the roof will be required.

7.1.6 Compliance

Following completion of the project, the ecologist will visit the site to verify the correct installation of the enhancement measures (see below). E-mail confirmation will be issued to the LPA.

8 METHOD STATEMENT

1. A suitably licenced and experienced ecologist will be on site/call for the duration of the works.
2. Before any work begins on site, a briefing for contractors and other site-staff 'toolbox talk' will be given by an ecologist. The briefing will cover the issues in respect of protected species they may encounter on site, where they might find them, methods of working, and what they need to know to avoid committing an offence. Every briefing attendee will be provided with a copy of a Method Statement and the contact details of an ecologist and Natural Resources Wales.
3. All suitable bat roosting features will need to be removed by hand and inspected by the onsite bat ecologist.
4. The tiles/slates will also need to be removed manually, one at a time, with the bed and underside inspected for bats/sign of bats by the onsite ecologist before moving onto the next.
5. The tying in of the new extension will be supervised by the ecologist.
6. Only when the onsite bat ecologist is happy that there is no further potential for bats, may he/she leave and the works continue with no supervision. A licensed bat ecologist will be on call for the remainder of the works. In the unlikely event that bats are found during a period that the licensed bat ecologist is not present on site, all works must cease and the licenced bat ecologist engaged.
7. If bats or their signs are found, a EPS licence may be required before works can legally resume.

9 REFERENCES

Bat Conservation Trust. (2016) *Bat Surveys - Good Practice Guidelines*. Bat Conservation Trust, London.

Mitchell-Jones, A.J. & McLeish, A.P. (2004) *The bat workers' manual (3rd Edition)*. Joint Nature Conservation Committee.

Mitchell-Jones, A.J. (2004). *Bat Mitigation Guidelines*. Natural England

The Conservation of Habitats and Species Regulations 2017 (HMSO).

The Natural Environment and Rural Communities Act (2006) (as amended) (HMSO).

The Wildlife and Countryside Act 1981 (as amended) (HMSO).

APPENDIX A- PHOTOGRAPHS













