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**Curraghinalt Gold Project,  
County Tyrone,  
Northern Ireland**

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**Bat Roost Characterisation Survey 2024/25**

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**November 2025**

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**Dalradian Gold Limited**

**DALRADIAN**  
**GOLD**

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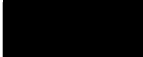
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## CONTRACT

This document has been prepared by Green & Blue Ecology for Dalradian Gold Limited to provide information for the ecological monitoring programme for bats carried out in 2024/25 as part of the gold mine development at Curraghinalt, County Tyrone.

Prepared by:



 BSc(Hons), MIEEM  
Principal Ecologist  
Green & Blue Ecology

Date: November 2025

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## 1. INTRODUCTION

### 1.1. Background

A planning application for the development and operation of an underground gold mine, as part of the Curraghinalt Project at Greencastle in County Tyrone, was submitted to the Department for Infrastructure (DfI) by Dalradian Gold Limited (DGL) in November 2017. Further revisions to the planning application were made in 2019.

To inform an Ecological Impact Assessment (EclA), that formed part of the wider Environmental Impact Assessment (EIA) for the proposed gold mine development and submitted as part of the planning application, a suite of ecological surveys were carried out in 2015/16, including a bat survey.

Since the submission of the planning application in 2017, an annual programme of ecological monitoring has been commissioned by DGL to ensure the adequacy of ecological information for the decision making process is in line with British Standard 42020:2013, Biodiversity - Code of Practice for Planning and Development and advice from the Chartered Institute of Ecology and Environmental Management (CIEEM)<sup>1</sup>, and where necessary inform any application for a wildlife licence from Northern Ireland Environment Agency (NIEA) to ensure the development will comply with legislation and planning policy.

The monitoring programme includes an annual bat survey of the Pollan Rua Cottage that has been confirmed as supporting roosting bats and which will be lost at the proposed Infrastructure Site for the mine development.

This report has been prepared by Green & Blue Ecology on behalf of DGL and presents the findings of the 2024/25 bat surveys carried out at the Pollan Rua Cottage that sits within the proposed Infrastructure Site to support the original bat survey by SLR Consulting Limited (SLR) in 2015/16, and which was submitted as part of the original planning application in 2017 (Appendix C8 Annex F).

### 1.2. Legislation and Planning Policy Context

All native UK species of bat are afforded full protection under the Wildlife (Northern Ireland) Order 1985 (as amended) and because they are listed in Annex II and IV of the EEC Directive on the Conservation of Natural Habitats and Wild Fauna and Flora. This Directive is transposed into Northern Ireland law through The Conservation (Natural Habitats etc.) Regulations (Northern Ireland) 1995 (as amended). In brief, this legislation makes it an offence to:

- deliberately capture, injure or kill a bat;
- deliberately disturb a bat while it is occupying a structure or place which it uses for shelter or protection;
- deliberately disturb a bat in such a way as to be likely to:
  - affect the local distribution or abundance of the species;
  - impair its ability to survive, breed or reproduce, or rear or care for its young; or
  - impair its ability to migrate.
- deliberately obstruct access to a breeding site or resting place of a bat; or
- damage or destroy a breeding site or resting place of a bat.

The Strategic Planning Policy Statement (SPPS) for Northern Ireland, published in September 2015, states that planning permission will only be granted for a development proposal that is not likely to harm a statutorily protected species, that includes the bat, and which can be adequately mitigated or compensated against.

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<sup>1</sup> CIEEM Advice Note on the lifespan of Ecological Reports and Survey dated April 2019.

In addition all eight species of bat currently recorded in Northern Ireland are identified as priority species in Northern Ireland including: Daubenton's bat (*Myotis daubentonii*); whiskered bat (*Myotis mystacinus*); Natterer's bat (*Myotis nattereri*); Leisler's bat (*Nyctalus leisleri*); Nathusius' pipistrelle (*Pipistrellus nathusii*); common pipistrelle (*Pipistrellus pipistrellus*); soprano pipistrelle (*Pipistrellus pygmaeus*); and brown long-eared bat (*Plecotus auritus*).

### 1.3. Survey Aims and Objectives

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The aim of the survey was to provide up to date baseline information on the current status of bats using the Pollan Rua cottage within the proposed Infrastructure Site of the Curraghinalt Project, in accordance with the specific requirements of the NIEA<sup>2</sup>, and inform where appropriate mitigation measures will be required to ensure the above ground development at the proposed Infrastructure Site will comply with statutory requirement of The Conservation (Natural Habitats etc.) Regulations (Northern Ireland) 1995 (as amended).

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<sup>2</sup> NIEA (2017). *Bat Surveys - NIEA Specific Requirements* dated 17<sup>th</sup> February 2017. Northern Ireland Environment Agency, Lisburn.

## 2. METHODOLOGY

### 2.1. Study Area

The Curraghinalt gold deposit is located in the South Sperrin Mountains approximately 7.5km east of the village of Gortin, and between the settlements of Rouskey and Greencastle, County Tyrone.

The application area has five component project sites that include:

- i. **Infrastructure Site (Area A).** The site where the process plant and dry stack facility (DSF) will be located and includes the access road from the Crockanboy Road near Greencastle.
- ii. **Mineral Extraction Area (Area B).** The area where the mineral deposit is known to occur and the maximum extent of the underground mine workings.
- iii. **Existing Surface Infrastructure Site (Area C).** The existing surface infrastructure that was developed for the underground exploration programme that will be retained for use as an early works base and for underground development and future training.
- iv. **Passing Bays on Camcosy Road and a Proposed Turning Point for Heavy Goods Vehicles off Lenagh Road (Area D).** The existing passing bays developed for the Curraghinalt Underground Exploration Programme and proposed turning point for heavy goods vehicles during the construction phase of the development.
- v. **Mineral Exploration Area (Area E).** The target area for future exploration of the Curraghinalt deposit by means of underground drifts (essentially exploration tunnels).

The area of study for the bat survey in 2024 and 2025 was centred on the Pollan Rua cottage, lying within the proposed Infrastructure Site (Area A) and which has been confirmed as being used by roosting bats (Figure 1).

### 2.2. Field Survey

#### 2.2.1. Roost Characterisation Surveys (Dusk Emergence Surveys)

Roost characterisation surveys comprising of dusk emergence surveys, based on standard methodologies and published good practice guidelines by the Bat Conservation Trust (BCT)<sup>3</sup>, were undertaken at the Pollan Rua cottage during 2024 and 2025. The dusk emergence surveys commenced at least 15 minutes before local sunset time and continued for approximately 1.5 hours after local sunset time.

A range of bat detection equipment was used during the surveys, including heterodyne and frequency division bat detectors. During the surveys in 2025, FLIR E76 thermal cameras were also deployed to aid detection of bats emerging and re-entering Pollan Rua cottage and associated outbuildings.

Thermal camera viewpoint and sightlines used in the dusk emergence surveys were informed based on recorded features with the potential to be used by roosting bats and historically where bats have been observed as emerging and/or re-entering roosting features. The bat surveyor sightlines in 2024 and the thermal camera viewpoints in 2025 are shown in Figure 2 and Figure 3 respectively.

### 2.3. Survey Personal

The surveys were led by [REDACTED] of Green & Blue Ecology. [REDACTED] has over 25 years of experience in ecological and environmental consultancy and a full member of the Chartered Institute of Ecology and Environmental Management (MCIEEM) and is experienced in carrying out bat surveys in Northern Ireland and throughout the UK and the Republic of Ireland.

### 2.4. Uncertainty of Data and Limitations

The sunset air temperature for the survey visit in November 2025 was below the 10°C when best practice survey guidelines state that bat surveys should be conducted. However, weather conditions had been mild

<sup>3</sup> Collins, J. (ed.) (2023). *Bat Surveys for Professional Ecologists: Good Practice Guidelines (4<sup>th</sup> Edition)*. Bat Conservation Trust, London.

up to this point and it was considered that if bats were using this building for hibernation purposes that they would be highly likely to still be relatively active at the time of the survey.

The use of buildings and associated features by bats can significantly vary not only on a seasonal basis but also from day to day. Therefore the lack of evidence of any one particular bat species does not necessarily preclude their being present on the site at a later date.

No limitations were encountered during the field surveys of 2024 and/or 2025 and it is considered that the results provide an accurate assessment of the ecological value of the Pollan Rua cottage for roosting bats has been made

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## 3. RESULTS

### 3.1. Contextual Information and Historical Records

The proposed Infrastructure Site was surveyed for bats by SLR in 2015/16. This survey confirmed the Pollan Rua cottage (B01) and a derelict farmhouse (B08) being used by bats for roosting purposes. Since this initial survey, the Pollan Rua cottage has been annually monitored through a series of dusk emergence / dawn re-entry surveys from 2017.

The bat surveys at the Pollan Rua cottage confirmed that five species of bat have used the Pollan Rua cottage for roosting purposes including: Natterer's bat; Leisler's bat; common pipistrelle; soprano pipistrelle; and brown long-eared bat. Of these species common pipistrelle have been consistently recorded using the cottage for roosting purposes with a peak count of 18 individuals recorded during a survey visit in 2019.

### 3.2. General Habitat Description

The proposed Infrastructure Site lies on the south side of a topographic ridge that forms the drainage divide between the Owenkillew and the Owenreagh rivers. The ridge runs in a northwest / southeast direction and rises up to the Mullydoo, Crocknamoghil and Crockanboy Hill supporting blanket bog habitat.

The open areas of blanket bog give way to a patchwork of fields typically bounded by earthbanks at higher elevations that are replaced by hedgerows further downslope. The fields are predominantly under improved and semi-improved grassland, many of which due to poor drainage and low grazing have typically developed into marshy grassland. However, pockets of peat remain supporting a mosaic of mire and wet heath habitats.

Woodland comprising a number of small blocks of coniferous woodland plantation with other small linear belts of broadleaved and mixed woodland are found in the eastern half of the proposed Infrastructure Site.

Overall the habitats and features present in the proposed Infrastructure Site are considered to provide moderate to high suitability for a range of bat species. However, the only confirmed feature used by roosting bats within the proposed Infrastructure Site is the Pollan Rua Cottage.

### 3.3. Description of the Pollan Rua Cottage

The Pollan Rua cottage is formed of three separate buildings that comprise the cottage itself, a boiler house and livestock shed. A description of these buildings is provided in Table 1 and photographs presented at Appendix A.

The Pollan Rua cottage is in an isolated position surrounded by largely open damp agricultural grasslands. The former garden area to the south east of the building supports a few mature and semi-mature broadleaved trees. The access track to the Pollan Rua cottage is lined by belts of coniferous woodland that form a connection to other coniferous woodland belts and blocks to the north east and east of cottage, with some other isolated small blocks of coniferous woodland to the south.

To the east the cottage is poorly connected to the wider landscape with no obvious features that are considered to provide potential commuting routes for bats.

**Table 1: Description of the Pollan Rua Cottage**

Building Ref	Building Name	Description	Use by Bats
B01	Pollan Rua Cottage	<p>A stone built two-storey farmhouse and a single storey attached annexe that have pitched slate-tiled over bitumen roofs. The rear walls of the building are partially rendered and painted.</p> <p>The building is structurally sound but there are a number of small holes in the walls and in the base of the chimney stack on the northern end of the building. A few tiles are lifted and there are some gaps under the lead flashing on some of the chimneys.</p> <p>The doorways and double-glazed windows have been covered by fitted security metal screens.</p> <p>Internally the main part of the cottage extends to the roof.</p> <p>The annexe has a hanging ceiling separating the roof void from the rooms below. The roof void is split into three sections based on the position of chimney breasts. The roof voids are lined with a bitumen-type liner typically forming a tight seal except for a few gaps between the end wall adjoining the main part of the building. The chimney breast at this location also supports a number of crevices and cracks.</p>	Confirmed
B02	Boiler House at Pollan Rua Cottage	<p>A small stone-built building with a pitched slate roof. The building has no windows and a tight sealing wooden door. The building is structurally sound.</p> <p>Internally the building houses a boiler and storage facilities attached to the wall.</p>	Negligible
B03	Livestock Shed at Pollan Rua Cottage	<p>A single storey stone-walled shed with a timber framed slate-tiled pitched roof and a number of loose fitting doors in its south and east facing walls.</p> <p>Internally the building has rendered walls including a partition that runs the length of the building.</p>	Confirmed

### 3.4. Field Survey Results

#### 3.4.1. Survey Dates, Timings and Weather Conditions

A total of seven dusk emergence surveys were carried out at the Pollan Rua cottage from 2024 to 2025 as part of the roost characteristic survey. A summary of survey dates, times and weather conditions is presented in Table 2.





**Table 2: Manual Activity Dates, Timings and Weather Conditions**

Date	Survey Type and Viewpoints	Sunset	Start	End	Weather Conditions
16/04/2024	Dusk Emergence Survey: (Viewpoint 1 and 2)	20:34	20:19	22:05	<u>Start:</u> temperature 9°C, cloud cover 5/8, wind speed 1 (moderate breeze from north west), rain 0 (none) but light showers earlier in the evening. <u>Finish:</u> temperature 7°C, cloud cover 6/8, wind speed 1 (moderate breeze from north west), rain 1 (drizzle/mist).
24/06/2024	Dusk Emergence Survey (Viewpoint 1 and 2)	22:10	21:50	23:40	<u>Start:</u> temperature 12°C, cloud cover 1/8, wind speed 1 (light air from west), rain 0 (none) but light showers earlier in evening <u>Finish:</u> temperature 11°C, cloud cover 1/8, wind speed 1 (light air from west), rain 2 (light showers).
14/10/2024	Dusk Emergence Survey (Viewpoint 1 and 2)	18:31	18:15	20:30	<u>Start:</u> temperature 9°C, cloud cover 6/8, wind speed 1 (light air from south west), rain 0(none). <u>Finish:</u> temperature 7°C, cloud cover 6/8, wind speed 1 (light air from south west), rain 0 (none).
18/06/2025	Dusk Emergence Survey (Viewpoint 1 and 2)	22:03	21:50	00:10	<u>Start:</u> temperature 14°C, cloud cover 5/8, wind speed 1 (light air from south east), rain 0 (none). <u>Finish:</u> temperature 13°C, cloud cover 4/8, wind speed 1 (light air from south east), rain 0 (none).
19/06/2025	Dusk Emergence Survey (Viewpoint 3 and 4)	22:04	21:50	23:40	<u>Start:</u> temperature 19°C, cloud cover 8/8, wind speed 1 (light air from east), rain 0 (none). <u>Finish:</u> temperature 17°C, cloud cover 8/8, wind speed 1 (light air from east), rain 0 (none).
27/08/2025	Dusk Emergence Survey (Viewpoint 1 and 2)	20:34	20:15	22:15	<u>Start:</u> temperature 14°C, cloud cover 8/8, wind speed 1 (light air from south west), rain 0 (none). <u>Finish:</u> temperature 13°C, cloud cover 8/8, wind speed 1 (light air from south west), rain 0 (none).
28/08/2025	Dusk Emergence Survey (Viewpoint 3 and 4)	20:32	20:15	21:35	<u>Start:</u> temperature 13°C, cloud cover 8/8, wind speed 1 (light air from south west), rain (none). <u>Finish:</u> temperature 13°C, cloud cover 8/8, wind speed 1 (light air from south west), rain 4 (heavy rain).
10/11/2025	Dusk Emergence Survey (Viewpoint 1 and 2)	16:36	16:15	18:06	<u>Start:</u> temperature 9°C, cloud cover 2/8, wind speed 1 (light air from south), rain 0 (none). <u>Finish:</u> temperature 7°C, cloud cover 2/8, wind speed 1 (light air from south), rain 0 (heavy rain).

### **3.4.2. Roost Characterisation Survey Results 2024**

The results of the roost characterisation survey for 2024 is presented in Table 3 and details of all bat activity recorded during each dusk emergence survey is provided at Appendix B.

**Table 3: Roost Characterisation Survey Results 2024**

Date	Emergence / Re-entry	Re-entry
16/04/2024	<p><b>Emergence</b></p> <p>The first bat to emerge was a common pipistrelle at 21:08 (34 minutes after sunset) from a small hole in chimney on east elevation of Pollan Rua cottage.</p> <p>A further common pipistrelle emerged from the same location as the first bat at 21:12.</p>	 <p style="text-align: center;"><b>Pollan Rua Cottage East Elevation</b></p>
24/06/2024	<p><b>Emergence</b></p> <p>The first bat to emerge was a common pipistrelle at 22:34 (24 minutes after sunset) from under the eaves where the western gable end joins the main Pollan Rua cottage.</p> <p>At 22:48 a common pipistrelle emerged from a small hole in chimney on east elevation of Pollan Rua cottage.</p>	 <p style="text-align: center;"><b>Pollan Rua Cottage South Elevation</b></p>  <p style="text-align: center;"><b>Pollan Rua Cottage East Elevation</b></p>
14/10/2024	<p><b>Emergence</b></p> <p>The first bat to emerge was a common pipistrelle at 19:00 (29 minutes after sunset) from under the eaves where the western gable end joins the main Pollan Rua cottage.</p> <p>At 19:01 (30 minutes after sunset) a Natterer's bat emerged from hole in wall right of window on the western gable end on the south elevation of the Pollan Rua Cottage.</p>	 <p style="text-align: center;"><b>Pollan Rua Cottage South Elevation</b></p>

<b>Key:</b>	
Species:	Emergence / Re-entry Point
Natterer's Bat	●
Common Pipistrelle	●

The number of bat recordings during each survey visit in 2024 is present in Table 4.


**Table 4: Number of Bat Recorded 2024**




Species	16/04/2024		24/06/2024		14/10/2024	
	No.	%	No.	%	No.	%
Common Pipistrelle	3	75	8	73	4	25
Soprano Pipistrelle	1	25	1	9	7	44
Leisler's Bat	0	0	1	9	4	25
<i>Myotis</i> sp.	0	0	1	9	0	0
Natterer's Bat	0	0	0	0	1	6
<b>Total:</b>	<b>4</b>		<b>11</b>		<b>16</b>	





### 3.4.3. Roost Characterisation Survey Results 2025

The results of the roost characterisation survey for 2025 is presented in Table 5 and details of all bat activity recorded during each dusk emergence survey is provided at Appendix C.

**Table 5: Roost Characterisation Survey Results 2025**

Date	Emergence / Re-entry	Re-entry
18/06/2025	<p>The first bat to emerge was a Leisler's bat at 22:10 (7 minutes after sunset) from under eaves of the roof of the main part of the Pollan Rua cottage on the south elevation of the annexe to the main cottage.</p> <p>At 22:44 (41 minutes after sunset) a common pipistrelle emerged from under eaves of the roof where the western gable end joins the main Pollan Rua cottage.</p> <p>From 22:46 to 23:20 a total of 11 individual bats emerged from the missing tile in the annexe roof on the south elevation. Of these nine were non-echolocating however, all the bats exhibited the same behaviour of approaching but not flying from the exit for approximately 20 seconds before actually exiting to the bats identified at 22:51 and 23:20 whose calls were identified as brown long-eared bat.</p>	 <p><b>Pollan Rua Cottage South Elevation</b></p>

Date	Emergence / Re-entry	Re-entry
	<p><b><u>Re-entry</u></b></p> <p>At 23:20 a brown long-eared bat re-entered at the location of the missing tile on south elevation annexe roof.</p>	 <p><b>Pollan Rua Cottage South Elevation</b></p>
19/06/2025	No bats observed emerging or re-entering	
27/08/2025	<p><b><u>Emergence</u></b></p> <p>The first bat to emerge was a Leisler's bat at 20:34 (at Sunset) from under the eaves of the roof on the south elevation of the annexe to the main cottage.</p> <p>Two non-echolocating bats also emerged at 20:34 from just above the window on the western side gable end on the south elevation of the main cottage. No corresponding recordings made at this time to confirm the species of these bats, but potentially Natterer's Bat based on flight pattern.</p> <p>At 20:40 a Leisler's bat emerged from under eaves of the roof of the main part of the Pollan Rua cottage.</p> <p>In addition at 20:40, four non-echolocating bats emerged from a hole in the wall right of the window on the western side gable end on the south elevation of the main cottage. No corresponding recordings made at this time to confirm the species of any of these bats, but potentially Natterer's Bat based on flight pattern.</p> <p>A common pipistrelle emerged from under eaves of the roof where the western gable end joins the main Pollan Rua cottage at 20:41 (7 minutes after sunset).</p> <p>A Leisler' bat emerged at 20:49 from the roof of the annexe where a tile is missing.</p> <p>Two further common pipistrelles emerged from a small hole in chimney on northern elevation of main part of Pollan Rua cottage at 21:22 and 21:24 (50 minutes after sunset)</p>	 <p><b>Pollan Rua Cottage South elevation</b></p>  <p><b>Pollan Rua Cottage East Elevation</b></p>

Date	Emergence / Re-entry	Re-entry
	<p><b><u>Re-Entry</u></b></p> <p>At 21:28 a Leisler's Bat re-entered under eaves of the roof of the main part of the Pollan Rua cottage at the point a Leisler's bat emerged at 20:40.</p>	 <p><b>Pollan Rua Cottage South Elevation</b></p>
<p>28/08/2025</p>	<p><b><u>Emergence</u></b></p> <p>At 20:39 (7 minutes after sunset) a non-echolocating bat emerged from open doorway on western elevation in livestock shed. No corresponding recordings made at this time to confirm the species of bat.</p> <p>At 20:44 another non-echolocating bat emerged from the open doorway on the western elevation of the livestock shed. No corresponding recordings made at this time to confirm the species of bat.</p>	 <p><b>Livestock Shed West Elevation</b></p>
	<p><b><u>Re-entry</u></b></p> <p>At 20:53 a common pipistrelle re-entered the livestock shed through open doorway on its western elevation.</p> <p>At 21:16 two common pipistrelles re-entered the livestock shed through the open doorway on its western elevation.</p> <p>At 21:18 four common pipistrelles swarming around chimney of east elevation of Pollan Rua cottage before entering a small hole in the chimney.</p>	 <p><b>Livestock Shed West Elevation</b></p> 

10/11/2024	No bats recorded	
<b>Key:</b>		
Species:		Emergence / Re-entry Point
Natterer's bat		●
Leisler's bat		●
Common pipistrelle		●
Brown long-eared bat		●
Unidentified bat species		●

The number of bat recordings during each survey visit in 2025 is present in Table 6.

**Table 6: Number of Bats Recorded 2025**

Species	18/06/2025		19/06/2025		27/08/2025		28/08/2025		14/11/2025	
	No.	%	No.	%	No.	%	No.	%	No.	%
Common Pipistrelle	27	48	11	73	19	46	28	82	0	0
Soprano Pipistrelle	5	9	3	20	0	0	1	3	0	0
Nathusius' Pipistrelle	3	5	0	0	0	0	0	0	0	0
Leisler's Bat	7	13	1	7	7	17	2	6	0	0
Brown Long-eared Bat	13	23	0	0	0	0	0	0	0	0
Daubenton's Bat	1	2	0	0	1	3	0	0	0	0
Natterer's Bat	0	0	0	0	14	34	1	3	0	0
Unidentified Bat Species	0	0	0	0	0	0	2	6	0	0
<b>Total:</b>	<b>56</b>		<b>15</b>		<b>41</b>		<b>34</b>		<b>0</b>	

## 4. DISCUSSION AND EVALUATION

### 4.1. Discussion of Results

The roost characterisation surveys in 2024/25 re-confirmed the use of Pollan Rua cottage by roosting bats, with common pipistrelle and Natterer’s bat recorded in 2024 and common pipistrelle, Natterer’s bat, Leisler’s bat and brown long-eared bat confirmed in 2025 along with an unidentified bat species.

The characterisation of the roosts follows BCT definition of bat roost types (Table 7) and has been determined through a combination of the field evidence, bat behaviour observed and seasonality of the survey visits.

**Table 7: Bat Roost Types**

Roost Type	Definition
Day Roost	A place where individual bats, or small groups, rest or shelter in the day during the summer.
Night Roost	A place where bats rest or shelter in the night but are not found in the day. May be used by a single individual on occasion or it could be used regularly by the whole colony.
Feeding Roost	A place where individual bats, or a few individuals, rest or feed for short periods during the night but are not present by day.
Transitional Roost	A place used by a few individuals or occasionally small groups for generally short periods of time on waking from hibernation or in the period prior to hibernation.
Maternity Roost	A place where female bats give birth and raise their young to independence in some species males may also be present in the maternity roost.
Hibernation Roost	A place where bats may be found individually or together during winter. They have a constant cool temperature and high humidity
Satellite Roost	An alternative roost found in close proximity to the main nursery colony used by a few individuals to small groups of breeding female throughout the breeding season.

Table 8 provides a summary of the characterisation of bat roosts identified in 2024/25.

**Table 8: Characterisation of Bat Roosts Identified**

Date	Species	No. of Bats	Roost Type	Roost Location	Access Point
16/04/2024	Common Pipistrelle	2	Day Roost	Pollan Rua Cottage	Hole in chimney on east elevation
24/06/2024	Common Pipistrelle	1	Day Roost	Pollan Rua Cottage Annexe	Under eaves on south elevation
	Common Pipistrelle	1	Day Roost	Pollan Rua Cottage	Hole in chimney on east elevation
14/10/2024	Common Pipistrelle	1	Day Roost	Pollan Rua Cottage	Hole in chimney on east elevation
	Natterer’s Bat	1	Day Roost	Pollan Rua Cottage	Hole in wall on western side of gable on south elevation

Date	Species	No. of Bats	Roost Type	Roost Location	Access Point
18/06/2025	Leisler's Bat	1	Day Roost	Pollan Rua Cottage	Under eaves on south elevation
	Common Pipistrelle	1	Day Roost	Pollan Rua Cottage Annexe	Under eaves on south elevation
	Brown Long-eared Bat	11	Maternity	Pollan Rua Cottage Annexe	Missing tile on south elevation roof
27/08/2025	Leisler's Bat	1	Day Roost	Pollan Rua Cottage Annexe	Under eaves on south elevation
	Leisler's Bat	1	Day Roost	Pollan Rua Cottage	Under eaves on south elevation
	Leisler's Bat	1	Day Roost	Pollan Rua Cottage Annexe	Missing tile on south elevation roof
	Common Pipistrelle	1	Day Roost	Pollan Rua Cottage Annexe	Under eaves on south elevation
	Common Pipistrelle	2	Day Roost	Pollan Rua Cottage	Hole in chimney on east elevation
	Natterer's Bat	2	Potential maternity	Pollan Rua Cottage	Gap in wall/window cover on western side of gable on south elevation
	Natterer's Bat	4	Potential maternity	Pollan Rua Cottage	Hole in wall on western side of gable on south elevation
28/08/2025	Common Pipistrelle	3	Night Roost	Livestock Shed	Open doorway on west elevation
	Common Pipistrelle	4	Potential maternity	Pollan Rua Cottage	Hole in chimney on east elevation
	Unidentified Bat Species	1	Day Roost	Livestock Shed	Open doorway on west elevation
	Unidentified Bat Species	1	Day Roost	Livestock Shed	Open doorway on west elevation

Although the surveys in 2024/25 did not confirm the use of the Pollan Rua Cottage by hibernating bats the use of buildings can vary between years and without a systematic inspection of all cracks, crevices and voids for hibernating bats, under an appropriate licence, it is not possible to fully confirm absence therefore based on previous surveys it is considered that the Pollan Rua Cottage should still be classified as a hibernation site for Common Pipistrelle.

Compensation measures will be required to ensure any development can proceed in compliance with current wildlife legislation and planning policies relating to the protection of bats and their roosting sites at the Pollan Rua cottage at the proposed Infrastructure site. Based on the findings of the 2024 and 2025 survey visits it is considered that the measures previously proposed to compensate the loss of Pollan Rua Cottage remain appropriate.

An appropriate derogation licence, issued by NIEA Wildlife Licensing, will be required for the demolition of the Pollan Rua cottage and associated buildings without which there is a risk of an offence being committed under The Conservation (Natural Habitats etc.) Regulations (Northern Ireland) 1995 (as amended).

## 4.2. Evaluation

An assessment of the value of all bat roosts identified at the Pollan Rua cottage has been made using the criteria contained within the UK Bat Mitigation Guidelines<sup>4</sup>, that uses a matrix based on assigning a rarity category to species reflecting current understanding of abundance and distribution within the geographical context.

Based on the 2024/25 roost characterisation surveys, the Pollan Rua cottage is evaluated as being of up to County value for Natterer’s bat, up to Local (higher) value for common pipistrelle and brown long-eared bat and Local (lower) value for Leisler’s bat, and with the livestock shed evaluated as being of Local (lower) value for common pipistrelle and the unidentified bat species (Table 9).

**Table 9: Evaluation of Roosts**

Species	Rarity Category	Roost Category	Valuation
<b>B01: Pollan Rua Cottage</b>			
Common Pipistrelle	Widespread	Non-breeding Day Roost (small numbers of species)	Local (lower)
		Maternity (potential)	Local (higher)
		Hibernation (historic usage by low numbers)	Local (higher)P
Brown Long-eared Bat	Widespread	Maternity	Local (higher)
Leisler’s Bat	Widespread but not as abundant	Non-breeding Day Roost (small numbers of species)	Local (lower)
Natterer’s Bat	Widespread but not as abundant	Non-breeding Day Roost (small numbers of species)	Local (lower)
	Widespread but not as abundant	Maternity (potential)	Up to County
<b>B03: Livestock Shed</b>			
Common Pipistrelle	Widespread	Night roost	Local (lower)
Unidentified Bat Species		Non-breeding Day Roost (small numbers of species)	Local (lower)

Based on the activity levels recorded during the surveys it is considered that the existing valuation of commuting routes and foraging areas at and within the immediate surrounding area of the Pollan Rua cottage remains at Local (higher) value, based on the approach laid out by Wray *et al.* 2010<sup>5</sup>, and as previously presented in the original assessment in the Bat Survey and Evaluation Report 2017 (Appendix C8 Annex F) submitted as part of the planning application. This evaluation is based on the:

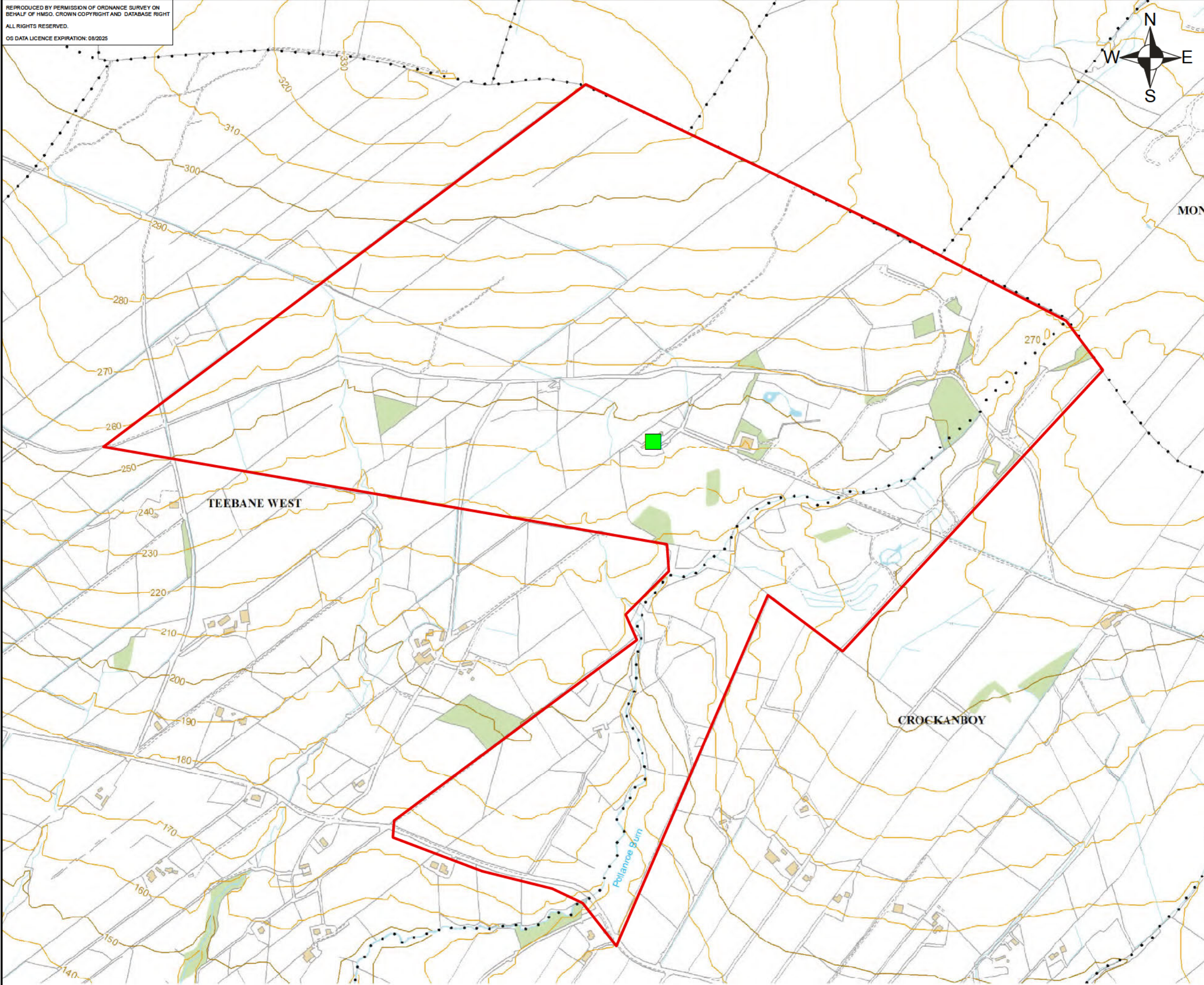
- relatively low levels of bat activity suggesting low reliance on the site;
- number roosting features at Pollan Rua cottage;
- type and complexity of commuting routes assessed as comprising of walls, gappy or flailed hedgerows, isolated well-grown hedgers and moderate field sizes; and
- foraging habitat comprising a mosaic of pasture, woodland and wetland areas.

<sup>4</sup> Reason, P.F. and Wray, S. (2025). *UK Bat Mitigation Guidelines: A Guide to Impact Assessment, Mitigation and Compensation for Developments Affecting Bats*. Version 1.2. Chartered Institute of Ecology and Environmental Management, Ampfield.

<sup>5</sup> Wray, S., Wells, D., Long, E & Mitchell-Jones, E. (2010). *Valuing Bats in Ecological Impact Assessment*. In Practice 70: 23-25. December 2010, Chartered Institute of Ecology and Environmental Management.

**FIGURES**

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OS DATA LICENCE EXPIRATION: 08/2025



NOTES

LEGEND

- PROPOSED INFRASTRUCTURE SITE
- POLLAN RUA COTTAGE

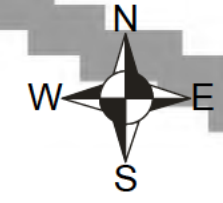
CURRAGHINALT GOLD PROJECT  
COUNTY TYRONE

BAT ROOST CHARACTERISATION  
SURVEY 2024/25

**SITE LOCATION**



**FIGURE 1**

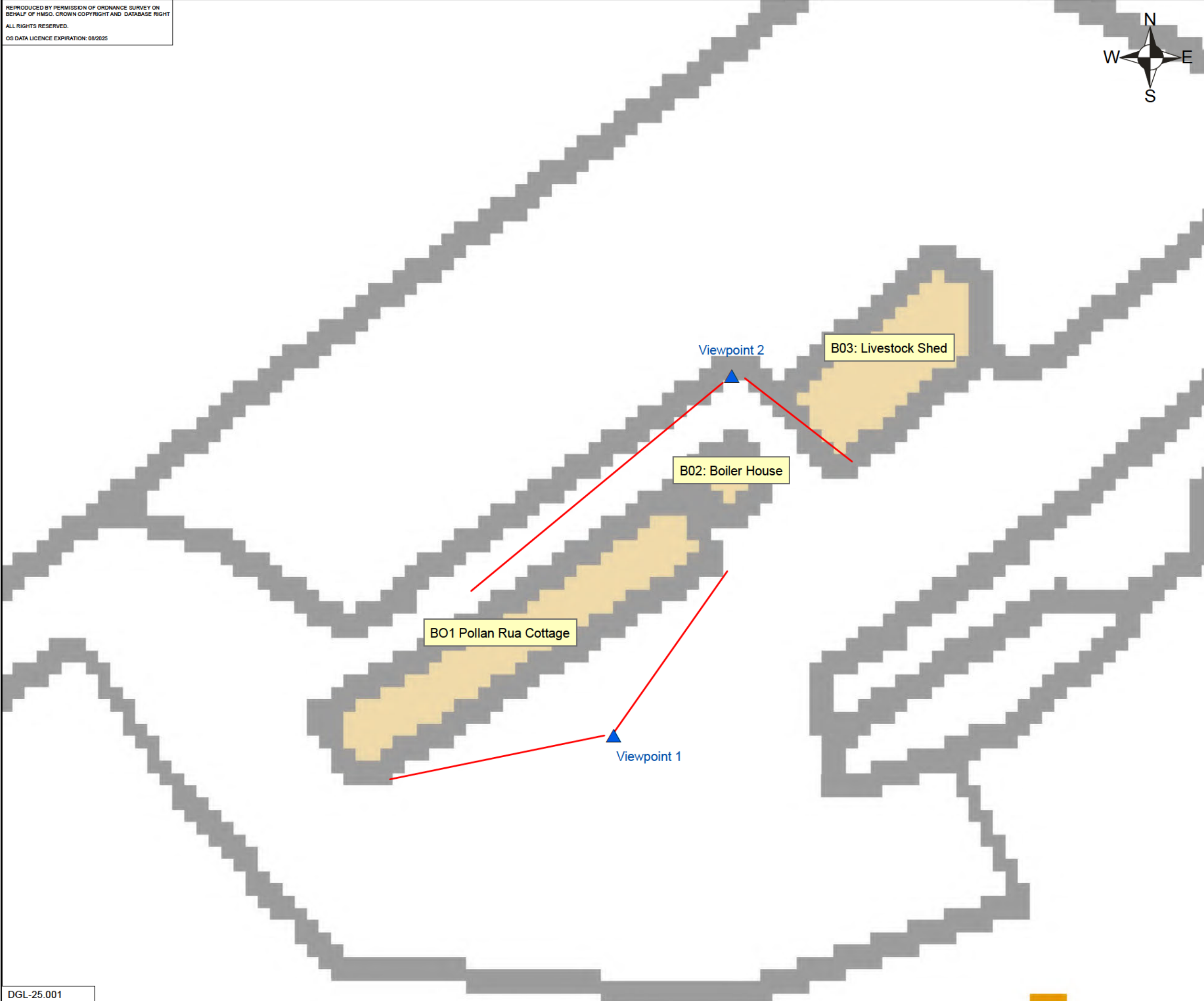
Scale 1:7,500 @ A3 Date OCTOBER 2025



NOTES

LEGEND

-  SURVEYOR
-  FIELD OF VIEW

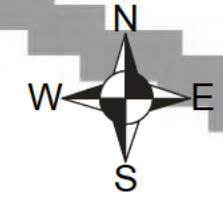


CURRAGHINALT GOLD PROJECT  
COUNTY TYRONE

BAT ROOST CHARACTERISATION  
SURVEY 2024/25

**SURVEYOR SIGHTLINES 2024**

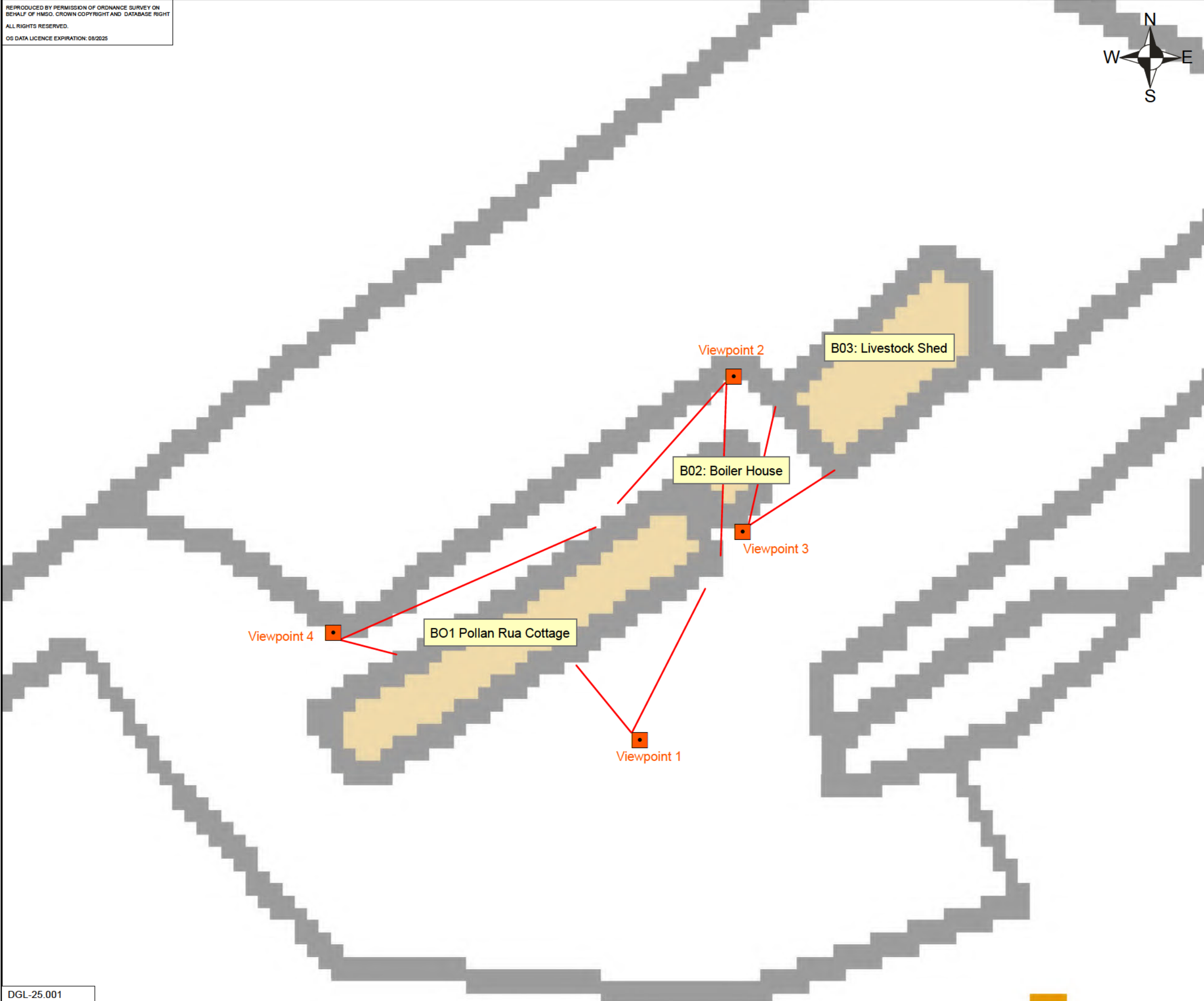
**FIGURE 2**



NOTES

LEGEND

- THERMAL CAMERA POSITION
- FIELD OF VIEW



CURRAGHINALT GOLD PROJECT  
COUNTY TYRONE

BAT ROOST CHARACTERISATION  
SURVEY 2024/25

**THERMAL CAMERA FIELD OF VIEW 2025**

**FIGURE 3**

Scale 1:250 @ A3

Date OCTOBER 2025

**APPENDIX A: PHOTOGRAPHS OF POLLAN RUA COTTAGE**



North Elevation of Main Pollan Rua Cottage



North Elevation of Pollan Rua Cottage Annexe



South Elevation of Main Pollan Rua Cottage



South Elevation of Pollan Rua Cottage Annexe



East Elevation of Main Pollan Rua Cottage



South Elevation of Boiler Shed



West Elevation of Livestock Shed



North Elevation of Livestock Shed

# APPENDIX B: FULL DUSK EMERGENCE SURVEY RESULTS 2024

**Roost Characterisation (Dusk Emergence) Survey of 16<sup>th</sup> April 2024**

Time	Bat Species	No. of Bats	Details
20:19	Survey Start		
20:34	Sunset		
21:08	Common Pipistrelle	1	Emerged from small hole in chimney on east elevation of Pollan Rua cottage
21:12	Common Pipistrelle	1	Emerged from small hole in chimney on east elevation of cottage
21:18	Soprano Pipistrelle	1	Heard not seen at south elevation of cottage
21:20	Common Pipistrelle	1	Foraging in front of south elevation of cottage (3 passes)
21:40	Start of drizzle and fine mist		
22:05	Survey End		

**Roost Characterisation (Dusk Emergence) Survey of 24<sup>th</sup> June 2024**

Time	Bat Species	No. of Bats	Details
<b>21:50</b>	<b>Survey Start</b>		
<b>22:10</b>	<b>Sunset</b>		
22:34	Common Pipistrelle	1	Emerged from under eaves of the roof where the western gable end joins the main Pollan Rua cottage
22:27	Common Pipistrelle	1	Heard not seen at south elevation of cottage
22:39	Common Pipistrelle	1	Commuting in an easterly direction along south elevation of cottage
22:42	Common Pipistrelle	1	Commuting in a southerly direction over the annexe roof before turning east towards access track
22:48	Leisler's Bat	1	Heard not seen at south elevation of cottage
22:48	Common Pipistrelle	1	Emerged from small hole in chimney on east elevation of Pollan Rua cottage
23:09	Common Pipistrelle	1	Commuting in an easterly direction along south elevation of cottage
23:11	Common Pipistrelle	1	Foraging over east elevation of cottage
23:19	Common Pipistrelle	1	Commuting over cottage in easterly direction
23:20	Soprano Pipistrelle	1	Heard not seen at east elevation of cottage
23:22	Myotis sp.	1	Heard not seen at south elevation of cottage
<b>23:26</b>	<b>Start of Light Showers</b>		
<b>23:40</b>	<b>Survey End</b>		

**Roost Characterisation (Dusk Emergence) Survey of 14<sup>th</sup> October 2024**

Time	Bat Species	No. of Bats	Details
18:15	Survey Start		
18:31	Sunset		
18:51	Leisler's Bat	1	Heard not seen at south elevation of cottage
18:52	Leisler's Bat	1	Heard not seen at south elevation of cottage
19:00	Common pipistrelle	1	Emerged from under eaves of the roof where the western gable end joins the main Pollan Rua cottage
19:01	Natterer's Bat	1	Emerged from hole in wall right of window on the western gable end on the south elevation of the Pollan Rua Cottage
19:02	Leisler's Bat	1	Heard not seen at south elevation of cottage
19:25	Soprano pipistrelle	1	Foraging along front of south elevation (two passes)
19:39	Soprano pipistrelle	1	Foraging along front of south elevation (two passes)
19:52	Common pipistrelle	1	Foraging along front of south elevation (two passes)
19:56	Soprano pipistrelle	1	Foraging along front of south elevation
19:58	Common pipistrelle	1	Foraging along front of south elevation
20:04	Soprano pipistrelle	1	Foraging along front of south elevation
20:08	Soprano pipistrelle	1	Foraging along front of south elevation
20:19	Soprano pipistrelle	1	Foraging along front of south elevation
20:20	Leisler's Bat	1	Heard not seen at south elevation of cottage
20:21	Soprano pipistrelle	1	Heard not seen at south elevation of cottage
20:22	Common pipistrelle	1	Heard not seen at south elevation of cottage
20:30	Survey End		

**APPENDIX C: FULL DUSK EMERGENCE SURVEY RESULTS 2025**

**Roost Characterisation (Dusk Emergence) Survey of 18<sup>th</sup> June 2025**

Time	Bat Species	No. of Bats	Details
21:50	Survey Start		
22:03	Sunset		
22:10	Leisler's Bat	1	Emerged from under eaves of the roof of the main part of the Pollan Rua cottage
22:15	Common Pipistrelle	1	Foraging over Pollan Rua annexe
22:16	Common Pipistrelle	1	Commuting south over cottage
22:17	Leisler's Bat	1	Heard not seen on southern side of cottage
22:18	Common Pipistrelle	1	Foraging over field on northern side of cottage (3 passes)
22:19	Common Pipistrelle	1	Commuting north over cottage
22:19	Common Pipistrelle	1	Heard not seen on northern side of cottage
22:25	Common Pipistrelle	1	Commuting in a southerly direction over cottage
22:26	Common Pipistrelle	2	Foraging along south elevation and roof of cottage (numerous passes)
22:26	Soprano Pipistrelle	1	Commuting in an easterly direction over cottage
22:28	Common Pipistrelle	1	Commuting in a northerly direction over cottage
22:28	Leisler's Bat	1	Commuting in an easterly direction over annexe
22:32	Common Pipistrelle	1	Commuting in a westerly direction over cottage
22:32	Common Pipistrelle	1	Foraging over trees to south of livestock shed
22:36	Soprano Pipistrelle	1	Foraging over livestock shed (4 passes)
22:38	Common Pipistrelle	1	Heard not seen on northern side of cottage
22:39	Soprano Pipistrelle	1	Foraging along north elevation and roof of cottage
22:40	Soprano Pipistrelle	1	Commuting in a southerly direction over cottage
22:43	Common Pipistrelle	1	Foraging along south elevation and roof of cottage (4 passes)
22:43	Soprano Pipistrelle	1	Foraging along south elevation and roof of cottage (2 passes)
22:44	Common Pipistrelle	1	Emerged from under eaves of the roof where the western gable end joins the main Pollan Rua cottage
22:46	Non-echolocating but behaviour of approaching but not flying from the exit for approximately 20 seconds before actually exiting the same as the Brown Long-eared Bat recorded at 22:51	1	One non-echolocating bat emerged from missing tile on south elevation annexe roof flying towards access road
22:48	Non-echolocating but behaviour of approaching but not flying from the exit for approximately 20 seconds before actually exiting the same as the Brown Long-eared Bat recorded at 22:51	1	One non-echolocating bat emerged from missing tile on south elevation annexe roof flying towards access road

Time	Bat Species	No. of Bats	Details
22:50	Non-echolocating but behaviour of approaching but not flying from the exit for approximately 20 seconds before actually exiting the same as the Brown Long-eared Bat recorded at 22:51	1	One non-echolocating bat emerged from missing tile on south elevation annexe roof flying towards access road
22:51	Brown Long-eared Bat	1	Emerged from missing tile on south elevation annexe roof flying towards access road
22:52	Non-echolocating but behaviour of approaching but not flying from the exit for approximately 20 seconds before actually exiting the same as the Brown Long-eared Bat recorded at 22:51	2	Two non-echolocating bats emerged from missing tile on south elevation annexe roof flying towards access road
22:53	Non-echolocating but behaviour of approaching but not flying from the exit for approximately 20 seconds before actually exiting the same as the Brown Long-eared Bat recorded at 22:51	1	One non-echolocating bat emerged from missing tile on south elevation annexe roof flying towards access road
22:54	Leisler's Bat	1	Approached missing tile on south elevation annexe roof but did not enter.
23:04	Common Pipistrelle	1	Commuting in westerly direction over cottage
22:05	Non-echolocating but behaviour of approaching but not flying from the exit for approximately 20 seconds before actually exiting the same as the Brown Long-eared Bat recorded at 22:51	1	One non-echolocating bat emerged from missing tile on south elevation annexe roof flying towards access road
23:06	Common Pipistrelle	1	Foraging along south elevation of cottage (3 passes)
23:06	Common Pipistrelle	2	Foraging along south elevation of cottage (numerous passes)
23:06	Common Pipistrelle	1	Commuting in easterly direction along front of north elevation
22:06	Non-echolocating but behaviour of approaching but not flying from the exit for approximately 20 seconds before actually exiting the same as the Brown Long-eared Bat recorded at 22:51	2	Two non-echolocating bats emerged from missing tile on south elevation annexe roof
23:07	Leisler's Bat	1	Commuting in a northerly direction in front of east elevation
23:10	Leisler's Bat	1	Heard not seen at south elevation of cottage
23:10	Common Pipistrelle	1	Commuting in an easterly direction over cottage
23:12	Nathusius's Pipistrelle	1	Foraging along south elevation of cottage
23:12	Common Pipistrelle	1	Foraging along south elevation of cottage
23:12	Common Pipistrelle		Foraging along south elevation of cottage (two passes)

Time	Bat Species	No. of Bats	Details
23:13	Common Pipistrelle		Foraging along south elevation of cottage (two passes)
23:17	Common Pipistrelle	1	Heard not seen on eastern side of cottage
23:18	Leisler's Bat	1	Commuting in an northerly direction in front of east elevation
23:20	Brown Long-eared Bat	1	Emerged from missing tile on south elevation annexe roof flying towards access road
23:20	Natterer's Bat	1	Heard not seen at south elevation of cottage
23:20	Brown Long-eared Bat	1	Re-entered at the location of the missing tile on south elevation annexe roof.
23:20	Common Pipistrelle	2	Foraging over cottage (numerous passes)
23:21	Common Pipistrelle	1	Foraging along south elevation of cottage (three passes)
23:21	Nathusius' Pipistrelle	1	Heard not seen on eastern side of cottage
23:25	Brown Long-eared Bat	1	Heard not seen on southern side of cottage
23:27	Daubenton's Bat		Heard not seen on southern side of cottage
<b>00:10</b>	<b>Survey End</b>		

**Roost Characterisation (Dusk Emergence) Survey of 19<sup>th</sup> June 2025**

Time	Bat Species	No. of Bats	Details
21:50	Survey Start		
22:04	Sunset		
22:29	Common Pipistrelle	1	Foraging around south and east elevation of cottage
22:34	Common Pipistrelle	1	Foraging in front of north elevation before flying in easterly direction
22:37	Leisler's Bat	1	Heard not seen at north elevation of annexe
22:40	Common Pipistrelle	1	Commuting in easterly direction over livestock shed
22:41	Soprano Pipistrelle	1	Foraging over livestock shed
22:46	Common Pipistrelle	1	Heard not seen at north elevation of annexe
22:48	Common Pipistrelle	1	Foraging around south and east elevation of cottage (2 passes)
22:50	Common Pipistrelle	1	Heard not seen at west elevation of livestock shed
22:51	Soprano Pipistrelle	1	Foraging over livestock shed
22:52 to 22:54	Common Pipistrelle	2	Foraging at west elevation of livestock shed (numerous passes)
22:57	Soprano Pipistrelle	1	Foraging over livestock shed
23:17	Common Pipistrelle	3	Foraging at west elevation of livestock shed (numerous passes)
23:40	Survey End		

**Roost Characterisation (Dusk Emergence) Survey of 27<sup>th</sup> August 2025**

Time	Bat Species	No. of Bats	Details
20:15	Survey Start		
20:34	Sunset		
20:34	Leisler's Bat	1	Emerged from under the eaves of the roof of the south elevation of the Pollan Rua Cottage annexe.
20:34	Unknown (no corresponding recordings at this time to confirm species)	2	Two non-echolating bats emerged from just above the window on the western gable end on the south elevation of the Pollan Rua Cottage flying in a westerly direction along the front of the annexe
20:40	Leisler's Bat	1	Emerged from under eaves of the roof of the main part of the Pollan Rua cottage
20:40	Unknown (no corresponding recordings at this time to confirm species)	4	Four non-echolating bats emerged from hole in wall right of window on the western gable end on the south elevation of the Pollan Rua Cottage flying in a westerly direction along the front of the annexe
20:41	Common Pipistrelle	2	Emerged from under eaves of the roof where the western gable end joins the main Pollan Rua cottage
20:43	Leisler's Bat	1	Foraging over grassland field to north of cottage.
20:44	Leisler's Bat	1	Foraging over grassland field to north of cottage
20:45	Natterer's Bat	1	Foraging in front of south elevation of building
20:49	Leisler's Bat	1	Emerged from roof at location of missing tile
20:54	Daubenton's Bat	1	Heard not seen
20:55	Common Pipistrelle	1	Foraging in front of south elevation of cottage (4 passes)
20:57	Common Pipistrelle	1	Commuting over roof of cottage in northerly direction
21:02	Common Pipistrelle	1	Foraging in front of south elevation of cottage (3 passes)
21:04	Leisler's Bat	1	Heard not seen at east elevation of cottage
21:09	Common Pipistrelle	1	Foraging in front of south elevation of cottage (2 passes)
21:09	Common Pipistrelle	1	Foraging in front of south elevation of cottage (2 passes)
21:09	Common Pipistrelle	2	Foraging in front of south elevation of cottage
21:09	Common Pipistrelle	3	Foraging in front of south elevation of cottage
21:10	Common Pipistrelle	1	Foraging in front of south elevation of cottage
21:13	Common Pipistrelle	1	Foraging in front of south elevation of cottage
21:15	Common Pipistrelle	2	Foraging in front of south elevation of cottage
21:15	Common Pipistrelle	1	Commuting from access track over roof of cottage in a westerly direction
21:18	Natterer's Bat	1	Foraging in front of south elevation of cottage (2 passes)
21:19	Natterer's Bat	1	Foraging in front of south elevation of cottage (2 passes)
21:19	Natterer's Bat	1	Heard not seen in front of south elevation of cottage
21:22	Common Pipistrelle	1	Emerged from small hole in chimney on east elevation of main part of Pollan Rua cottage
21:24	Natterer's Bat	1	Heard not seen

Time	Bat Species	No. of Bats	Details
21:24	Common Pipistrelle	1	Emerged from small hole in chimney on east elevation of main part of Pollan Rua cottage
21:26	Natterer's Bat	1	Foraging in around trees to front of western elevation of livestock shed (2 passes)
21:28	Leisler's Bat	1	Re-entered under eaves of the roof of the main part of the Pollan Rua cottage.
21:34	Natterer's Bat	1	Heard not seen in front of south elevation of cottage
21:35	Natterer's Bat	1	Heard not seen in front of south elevation of cottage
21:36	Common Pipistrelle	1	Foraging over roof of cottage
22:15	<b>Survey End</b>		

**Roost Characterisation (Dusk Emergence) Survey of 28<sup>th</sup> August 2025**

Time	Bat Species	No. of Bats	Details
20:15	<b>Survey Start</b>		
20:32	<b>Sunset</b>		
20:39	Unknown (no corresponding recordings at this time to confirm species)	1	One non-echolating bat emerged from open doorway on western elevation in livestock shed
20:44	Unknown (no corresponding recordings at this time to confirm species)	1	One non-echolating bat re-entering livestock shed through open doorway on western elevation in livestock shed
20:47	Leisler's Bat	1	Heard not seen in vicinity of livestock shed
20:52	Common Pipistrelle	1	Commuting in a easterly direction over livestock shed
20:53	Common Pipistrelle	1	Re-entering the livestock shed through open doorway on western elevation
20:56	Common Pipistrelle	1	Commuting in westerly direction over livestock shed
20:56	Common Pipistrelle	1	Foraging in front of south elevation of cottage (3 passes)
20:57	Common Pipistrelle	1	Foraging in front of western elevation of livestock shed
20:57	Common Pipistrelle	1	Foraging in front of south elevation of cottage (4 passes)
20:58	Common Pipistrelle	1	Commuting in northerly direction over livestock shed
21:00	Common Pipistrelle	1	Foraging in front of western elevation of livestock shed (2 passes)
21:00	Common Pipistrelle	1	Entering the livestock shed through open doorway on western elevation before immediately leaving
21:03	Common Pipistrelle	1	Foraging in front of south elevation of cottage
21:07	Common Pipistrelle	1	Foraging in front of south elevation of cottage (2 passes)
21:08	Common Pipistrelle	1	Foraging in front of south elevation of cottage (4 passes)
21:11	Common Pipistrelle	1	Foraging in front of western elevation of livestock shed
21:13	Common Pipistrelle	1	Commuting in an easterly direction over livestock shed
21:13	<b>Start of Light Showers</b>		
21:14	Leisler's Bat	1	Heard not seen at front of south elevation of cottage
21:14	Common Pipistrelle	1	Foraging in front of south elevation of cottage (2 passes)
21:14	Natterer's Bat	1	Heard not seen at front of south elevation of cottage
21:14	Soprano Pipistrelle	1	Foraging in front of south elevation of cottage (3 passes)
21:16	Common Pipistrelle	1	Re-entering the livestock shed through open doorway on western elevation
21:16	Common Pipistrelle	1	Commuting in easterly direction along south elevation of cottage
21:16	Common Pipistrelle	1	Re-entering the livestock shed through open doorway on western elevation
21:17	Common Pipistrelle	1	Emerged from open doorway on western elevation in livestock shed

Time	Bat Species	No. of Bats	Details
21:17	Common Pipistrelle	1	Foraging in front of south elevation of cottage (2 passes)
21:17	Common Pipistrelle	1	Foraging in front of south elevation of cottage (2 passes)
21:17	Common Pipistrelle	1	Foraging in front of western elevation of livestock shed
21:17	Common Pipistrelle	1	Foraging in front of western elevation of livestock shed stopping briefly on underside of roof and wall
21:17	Common Pipistrelle	3	Foraging in front of western elevation of livestock shed under overhanging roof
<b>21:18</b>	<b>Start of Heavy Shower</b>		
21:18	Common Pipistrelle	4	Observed re-entering small hole in chimney on east elevation of building
<b>21:24</b>	<b>Start of Heavy Continuous Rain</b>		
<b>21:35</b>	<b>Survey End</b>		

