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06/07/2022

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Dear Jane Cottam (VINCI Construction Ltd),

Bury Marketplace

Methodology

Breeding Birds

A Breeding Bird Survey was undertaken on 27th May 2022. The survey method was based on the new Bird Survey Guidelines for assessing ecological impacts (Bird Survey & Assessment Steering Group, 2022). A single bird survey was undertaken due to the PEA, which was undertaken in October being suboptimal for identifying nesting birds. Additionally, a single bird survey was deemed appropriate due to the urban nature of the site and limited suitable nesting habitats present onsite.

The survey took place during the optimal time of day for bird activity, beginning within an hour of sunrise and finishing by late morning. The survey visit was planned to avoid adverse weather conditions such as strong wind and heavy rain, as this can reduce bird activity and detectability.

The survey was undertaken by Huw Morgan, a competent ornithologist with over 15 years of experience working with birds. A pre-determined transect route was followed at a slow walking pace. All birds which were heard or seen, with the aid of binoculars, were recorded and registered on a plan using standard BTO codes. Birds heard and seen outside the site boundary were also recorded.

Bats

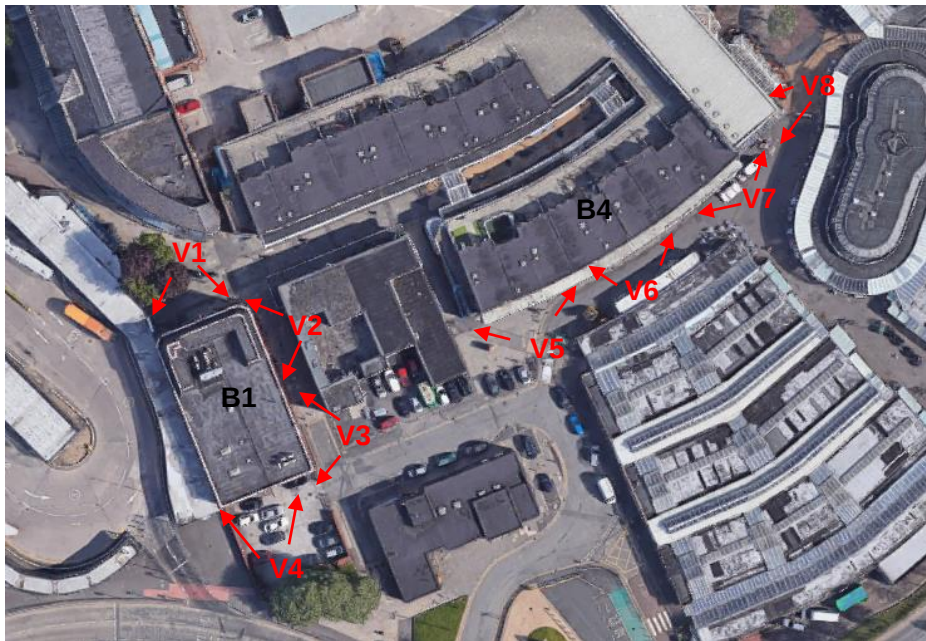
A bat emergence survey was undertaken following guidance set out in Collins (2016). The survey was conducted using appropriate handheld bat detectors suitable for commercial use and were undertaken by competent and suitably trained bat surveyors.



Eight suitably qualified bat surveyors were positioned around Building 1 (B1) and Building 4 (B4) to observe the areas of highest bat-roosting potential during the nocturnal surveys.

Please refer to Figure 1 for the approximate location of the surveyors.

Figure 1 Approximate Location of Surveyors



Data Analysis

An Echo Meter Touch 2 was used to record bat calls during the survey. Data from the Echo Meter Touch 2 was converted from WAV to ZCA using Wildlife Acoustics Kaleidoscope Software and was analysed using AnalookW.

Limitations

Breeding Birds

Due to the size of the buildings, not all aspects could be viewed from the ground and therefore evidence of nesting birds may have been missed. Due to the urban nature of the site, this is not considered to be a major constraint.

Bats

Nocturnal Bat Surveys were completed following guidance set out in Collins (2016) and were carried out by competent and trained surveyors. However, due to the surveys being conducted by



observation during low light conditions, this may cause constraint of visual assessments. No surveyors were visually constrained during the survey, other than that of low light conditions, and all potential roosting features were observed throughout the survey period.

The surveys were conducted in optimum weather conditions, following guidance set out in Collins (2016).

Summary

Breeding birds

During the Breeding Bird Survey, a number of feral pigeons (*Columba livia domestica*) were confirmed breeding across the survey area on various buildings within the market place. A pied wagtail (*Motacilla alba*) was recorded singing in suitable nesting habitat, though the bird was not seen and therefore assumed to be a 'probable' breeding bird within the site.

No other confirmed, probable or possible nesting birds were recorded within the site. During the survey, woodpigeon (*Columba palumbus*), jackdaw (*Corvus monedula*), starling (*Sturnus vulgaris*) and black-headed gull (*Chroicocephalus ridibundus*) were recorded utilising the site or flying overhead.

Bats

During the Nocturnal Bat Survey no bats were identified roosting within B1 and B4. A single common pipistrelle (*Pipistrellus pipistrellus*) was observed commuting adjacent to B1 during the survey.

No bats were seen to emerge from B1 and B4, and no bats were observed in relation to any of the potential roost features. As such, it is evident that no bats currently utilise the B1 and/or B4 for roosting and no further assessment, mitigation or licencing is required.

Nocturnal Bat Survey Results

The following subsection provides a summary of bat activity noted on the dusk emergence survey. Please refer to Appendix I for the full survey forms.

Dusk Emergence Survey Re-Entry Survey 30th May 2022

During the dusk emergence survey a single common pipistrelle was recorded at V1, V2, V3 and V4. The common pipistrelle was observed at 20:16. Approximately 1 hour after sunset. No bats were recorded at V5, V6, V7 and V8.

No emergences were recorded during the survey.



Interpretation

During the survey only a single common pipistrelle was recorded commuting adjacent to B1 at approximately 1 hour after sunset. No other bats were recorded during the survey. Due to the low level of activity noted, and the timing the bat was recorded, it is anticipated that a bat roost is located within the local area **but not** within the site or close proximity to the site.

No bat emergences were observed during the survey, and no bat activity was observed in relation to any of the potential roosting features. As such, it is evident that **no bats** currently utilise the buildings B1 and/or B4 for roosting. Therefore, no further assessment, mitigation or licencing is required for the works to proceed. In the unlikely event that a bat is found inside buildings B1 and B4 during the works, all works are to cease immediately. Following this, a suitably qualified ecologist should be contacted, and further advice sought from Natural England.

Yours sincerely,

Amy Harris - Senior Ecologist - MCIEEM

On behalf of RSK Biocensus

Technical and quality review

Mark lang - Associate Director - MCIEEM, CEcol, CEnv

APPENDIX 1

A COLLECTION OF DATA

Bat survey sheets

Dusk Emergence Survey

30th May 2022

Date: 30/05/2022
 Sunset: 21:01
 Start time: 21:16
 End time: 22:47

Weather conditions: Dry, 10°C, 100% cloud cover, slight breeze (10 mph)

Surveyor: Cat Bryant (V1)

TIME	SPECIES	ACTIVITY
22:16	Common pipistrelle	Heard not seen (HNS).

Surveyor: Ciara Bass (V2)

TIME	SPECIES	ACTIVITY
22:16	Common pipistrelle	Commuting south over B1

Surveyor: Harry McCarthy (V3)

TIME	SPECIES	ACTIVITY
22:16	Common pipistrelle	HNS

Surveyor: Lowri Thomas (V4)

TIME	SPECIES	ACTIVITY
22:16	Common pipistrelle	HNS

Surveyor: Anna White (V5)

TIME	SPECIES	ACTIVITY
		No activity recorded

Surveyor: Carlin Jones (V6)

TIME	SPECIES	ACTIVITY
		No activity recorded

Surveyor: Rhian Keating (V7)

TIME	SPECIES	ACTIVITY
		No activity recorded

Surveyor: Chloe Wood (V5)



TIME	SPECIES	ACTIVITY
		No activity recorded