

Addendum Bat Note

MSP Greenheys



11th July 2023

TG Report No. 15264_R06_BP_DM

- 1.1. This note has been prepared by Tyler Grange Group Limited (TG) on behalf of Bruntwood Limited. This note reports on the results of the bat surveys recommended in the Preliminary Ecological Appraisal (PEA) (ref: 15264_R04b_PEA_ECG_OM_CW_02052023), which identified buildings (sections) with Bat Roosting Potential (BRP) on site. This note is an addendum to the PEA report for the site and should be read in conjunction with this report.

Bat Survey

- 1.2. On-site buildings 2 and 6 were determined to provide Low Bat Roosting Potential, while buildings 4 and 5 provided Moderate Bat Roosting Potential. As these buildings require demolition to facilitate development, further nocturnal bat surveys on these buildings were required prior to their demolition to identify and characterise any bat roosts present. The survey effort prescribed for each building is detailed in **Table 1.2** below.

Building	Bat roosting Potential (BCT 2016)	Required Survey Effort
B4, B5	Moderate	Two Nocturnal Bat Survey should be completed between May and August (inclusive) using five surveyors.
B2, B6	Low	One Nocturnal Bat Survey should be completed between May and August (inclusive) using three surveyors.
B1, B3, B7	Negligible	No further surveys required.

Table 1.2: Required Nocturnal Bat Surveys

- 1.3. In line with this guidance, emergence surveys were undertaken, the details of which are available in **Table 2.3** below. The survey followed standard methodologies set out in the Bat Mitigation Guidelines¹, the Bat Workers Manual² and BCT Guidelines³.
- 1.4. Surveyors were positioned around the building(s) to provide adequate coverage of all suitable features – see **Plan 1** at the end of this report for surveyor locations. Surveyors used a combination of visual observation and echolocation detection to identify and bats emerging from the building, assisted by two-way radios in order to correlate bat movements between surveyors. Survey equipment used comprised Bat loggers, Anabat Walkabouts and Echometer Touch Pro. The detectors recorded in frequency division and full spectrum formats. Elekon's Bat Explorer software

¹ Mitchel-Jones, A. J. (2004) Bat Mitigation Guidelines. English Nature.

² Mitchell- Jones, A.J. and McLeish, A.P. (2004) Bat Workers Manual. English Nature.

³ Collins, J. (ed.) (2016) Bat Surveys for Professional Ecologists: Good Practice Guidelines, 3rd Edition. The Bat Conservation Trust, London.

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was used to analyse sonograms of any calls recorded in the field. Analysts of the sound files had all completed BatAbility's Certificate of Bat Acoustic Analysis (COBAA)⁴ assessment course.

- 1.5. The findings of this report are valid at the time of writing. Owing to the dynamic nature of ecological resources, if more than 12 months have elapsed since the report was written, advice should be sought to determine whether update work is required. The findings of the report should not be relied upon without this advice.

Table 2.3: Metadata for bat surveys conducted.

Structure and Survey	Date and Timings	Surveyors	Weather Conditions Start:	Weather Conditions End:
B4; B5; B2; B6 - Dusk Survey	24/05/2023 Start: 21:00 Sunset: 21:15 End: 22:45	S. Kirk; B. Phythian; E. Mcfarland; C. Copestake; T. Edwards; R. Laws; M. Bryant	Cloud Cover (%): 0 Wind (Beaufort): 1 Precipitation: 0 Temperature (°C): 15	Cloud Cover (%): 0 Wind (Beaufort): 1 Precipitation: 0 Temperature (°C): 13
B4; B5 - Dusk Survey	03/07/2022 Start: 21:25 Sunset: 21:40 End: 23:10	B. Phythian; O. Mckechnie; A. Bailey	Cloud Cover (%): 50 Wind (Beaufort): 2 - 3 Precipitation: 0 Temperature (°C): 14	Cloud Cover (%): 60 Wind (Beaufort): 2 Precipitation: 0 Temperature (°C): 14

Results

Dusk Emergence Survey (24/05/2023) – B4, B5, B2, B6

- 1.6. No emergences recorded. One common pipistrelle was detected nearby but not visible to surveyors, which passed the western areas of the site at 21.40 and then the western and eastern areas again at 22.27.

Dusk Emergence Survey (03/07/2023) – B4, B5

- 1.7. No emergences recorded. One common pipistrelle pass was detected but not seen, at 22.25, to the east of B4 and B5.

Summary

- 1.8. No bats were observed emerging from any buildings during the survey effort. Therefore, roosting bats are considered absent from all on-site buildings. This site is therefore, considered to not be of local importance for bat species and no mitigation is necessary.
- 1.9. Results of these surveys found no bats roosting in the buildings surveyed, and overall extremely low activity levels. Depending on the timescale of the buildings for demolition, these surveys may need to be repeated if out of date by a year and ecologist advice should be sought.

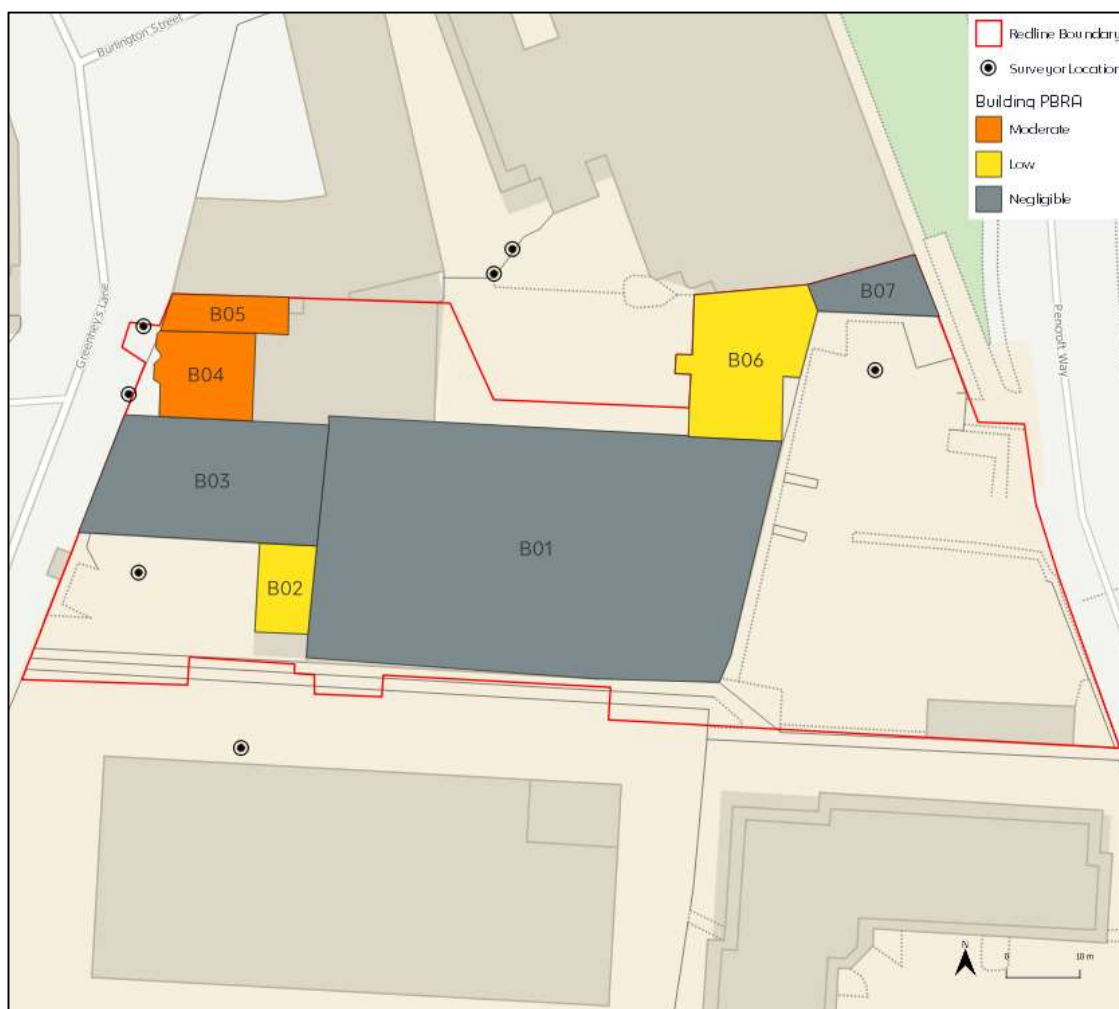
⁴ Certificate of Bat Acoustics Analysis - BatAbility Courses & Tuition





- 1.10. It is recommended that lighting during the construction phase and operational phase is sensitively deployed to avoid direct illumination onto retained mature trees and vegetation, in accordance with relevant guidance⁵.

Plan 1 - Bat Survey Results



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⁵ BCT (2018) Bats and Artificial Lighting in the UK. (Guidance Note 08/18) Bats and the Built Environment series.

