

9th August 2021
Our reference: 2021/05/17

Rosary House, Aerodrome Road, Bekesbourne CT4 5EX

Following a 'Preliminary Ecological Appraisal'¹ which identified the risk of bats being present in a garage and outbuilding (both assessed as having low suitability for roosting bats), KB Ecology Ltd was commissioned to undertake night-time bat surveys with regards to a proposed development at Rosary House, Aerodrome Road, Bekesbourne CT4 5EX Kent, in support of a planning application for the demolition of an outbuilding and erection of a number of new dwellings.

The Bat Conservation Trust's guidelines provide a table stating the 'minimum number of presence/absence survey visits required to provide confidence in negative preliminary roost assessment from buildings, built structures and trees in summer.

Table 7.3 Recommended minimum number of survey visits for presence/absence surveys to give confidence in a negative result for structures (also recommended for trees but unlikely to give confidence in a negative result).

Low roost suitability	Moderate roost suitability	High roost suitability
One survey visit. One dusk emergence or dawn re-entry survey ^a (structures). No further surveys required (trees).	Two separate survey visits. One dusk emergence and a separate dawn re-entry survey. ^b	Three separate survey visits. At least one dusk emergence and a separate dawn re-entry survey. The third visit could be either dusk or dawn. ^b

^a Structures that have been categorised as low potential can be problematic and the number of surveys required should be judged on a case-by-case basis (see Section 5.2.9). If there is a possibility that quiet calling, late-emerging species are present then a dawn survey may be more appropriate, providing weather conditions are suitable. In some cases, more than one survey may be needed, particularly where there are several buildings in this category.

^b Multiple survey visits should be spread out to sample as much of the recommended survey period (see Table 7.1) as possible; it is recommended that surveys are spaced at least two weeks apart, preferably more. A dawn survey immediately after a dusk one is considered only one visit.

Table 7.1 Recommended timings for presence/absence surveys to give confidence in a negative result for structures (also recommended for trees but unlikely to give confidence in a negative result).

Low roost suitability	Moderate roost suitability	High roost suitability
May to August (structures) No further surveys required (trees)	May to September ^a with at least one of surveys between May and August ^b	May to September ^a with at least two of surveys between May and August ^b

Thus one night-time bat survey was undertaken for each building by K Bresso², L Anscomb, L Hoadley³, S Stanley⁴ using Bat Box Duet / Batscanner / Anabat Express /

¹The reader is referred to the Preliminary Ecological Appraisal report by KB Ecology Ltd dated 7th August 2021 / Ref No 2021/05/17

² CEnv MCIEEM, a qualified professional consultant ecologist with over 20 years of experience², licensed bat surveyor (Class Survey Licence Registration Number 2015-11917-CLS-CLS (CL15 Bat Roost Visitor

Pettersson D240x / Echo Meter Touch 2 Pro bat detectors. Nightscopes with infra-red light and a Pulsar Quantum thermal imaging scope were also used.

No bats were seen emerging from the buildings during the surveys. Only a low number of common pipistrelle, soprano pipistrelle and noctule bats were seen and heard commuting and foraging.

The garage and outbuildings are thus not considered as being used as a bat roost and no mitigation or licence is expected to be needed prior to their demolition.

Level 1) and 2015-11918-CLS-CLS (CL18 Bat Survey Level 2)) and Registered Consultant of the Bat Low Impact Class Licence with Natural England

³ 4 years' experience in bat surveys

⁴ 11 years' experience in bat surveys

Detailed Results:

Site Name and Building Number	Outbuilding by Rosary House, Bekesbourne	Surveyor Name / Equipment	L Anscomb/ Batscanner and Pettersson D24
Weather Conditions	100%cloud, light breeze	Date	28/06/2021
Start Time	21:00	Finish Time	22:45
Air Temperature (°C) at Start of Survey	16	Air Temperature (°C) at End of Survey	15
Sunset	21:15	Sunrise	

north-east of garage

Time	Species*	Activity**	Comments		
21:28	Noc	F	foraging above head		
21:35	Noc	CNS			
21:39	45 pip	FNS			
21:53	45 pip	CNS	faint		

**Activity - 'E' = emergence; 'R' = return; 'F' = foraging; 'C' = commuting	**'S' = seen; 'NS' = not seen
*species	
common pip	45 pip
soprano pip	55 pip
brown-long eared	BLE
Myotis sp	Myo
Noctule	Noc

Site Name and Building Number	Outbuilding by Rosary House, Bekesbourne	Surveyor Name / Equipment	K Bresso / Bat Box Duet and Pettersson D24
Weather Conditions	100%cloud, light breeze	Date	28/06/2021
Start Time	21:00	Finish Time	22:45
Air Temperature (°C) at Start of Survey	16	Air Temperature (°C) at End of Survey	15
Sunset	21:15	Sunrise	

South-west of garage

Time	Species*	Activity**	Comments		
21:28	Noc	F	foraging above head		
21:35	Noc	CNS	faint		
21:39	45 pip	F	foraging briefly in front garden		
21:44	45 pip	CNS			
21:53	45 pip	F	foraging in front garden		
22:13	45 pip	CNS	faint		
22:24	45 pip	CNS	faint		

Site Name and Building Number	Outbuilding by Rosary House, Bekesbourne	Surveyor Name / Equipment	Steve Stanley / EM Touch 2 Pro with iPad Pro
Weather Conditions	Cloud: 0% Wind: 1 Rain: 0	Date	18th July 2021
Start Time	20:47	Finish Time	22:32
Air Temperature (°C) at Start of Survey	21	Air Temperature (°C) at End of Survey	19
Sunset	21:02	Sunrise	

Position: East corner of building.

Time	Species	Activity*	Comments
21:20	Noctule	C	Distant pass, not seen.
21:22	Noctule	F	Distant and brief F, not seen.
21:28	Noctule	F	Distant and brief F, not seen.
21:46	Pip 45	F	Circling around main house east of outbuilding for 15 mins.
22:00	Noctule	F	Distant and brief F, not seen.
22:03	Noctule	F	Brief F directly above building, then CNE.

Site Name and Building Number	Outbuilding by Rosary House, Bekesbourne	Surveyor Name / Equipment	Liam Hoadley/Echo Meter Touch 2 Pro
Weather Conditions	cloud - 0%, wind - 1 rain - No	Date	18/07/2021
Start Time	20:47	Finish Time	22:32
Air Temperature (°C) at Start of Survey	21	Air Temperature (°C) at End of Survey	19
Sunset	21:02	Sunrise	N/A

position around building: SW side

Time	Species*	Activity**	Comments
21.20	Noc	C	NS, very faint pass
21.46	45 pip	F	S, foraging around S corner then flew NE between house and outbuilding
21.50	45 pip	C	S, flew NW to S passign SW side of outbuilding, then flew up drive
22.00	45 pip	F	S, foraging up and down SW side of outbuilding
22.03	Noc	C	NS, 1 pass
22.03	45 pip	F	S, foraging up and down SW side of outbuilding
22.09	55 pip	F	S, foraging up and down SW side of outbuilding
22.16	45 pip	F	S, foraging up and down SW side of outbuilding