

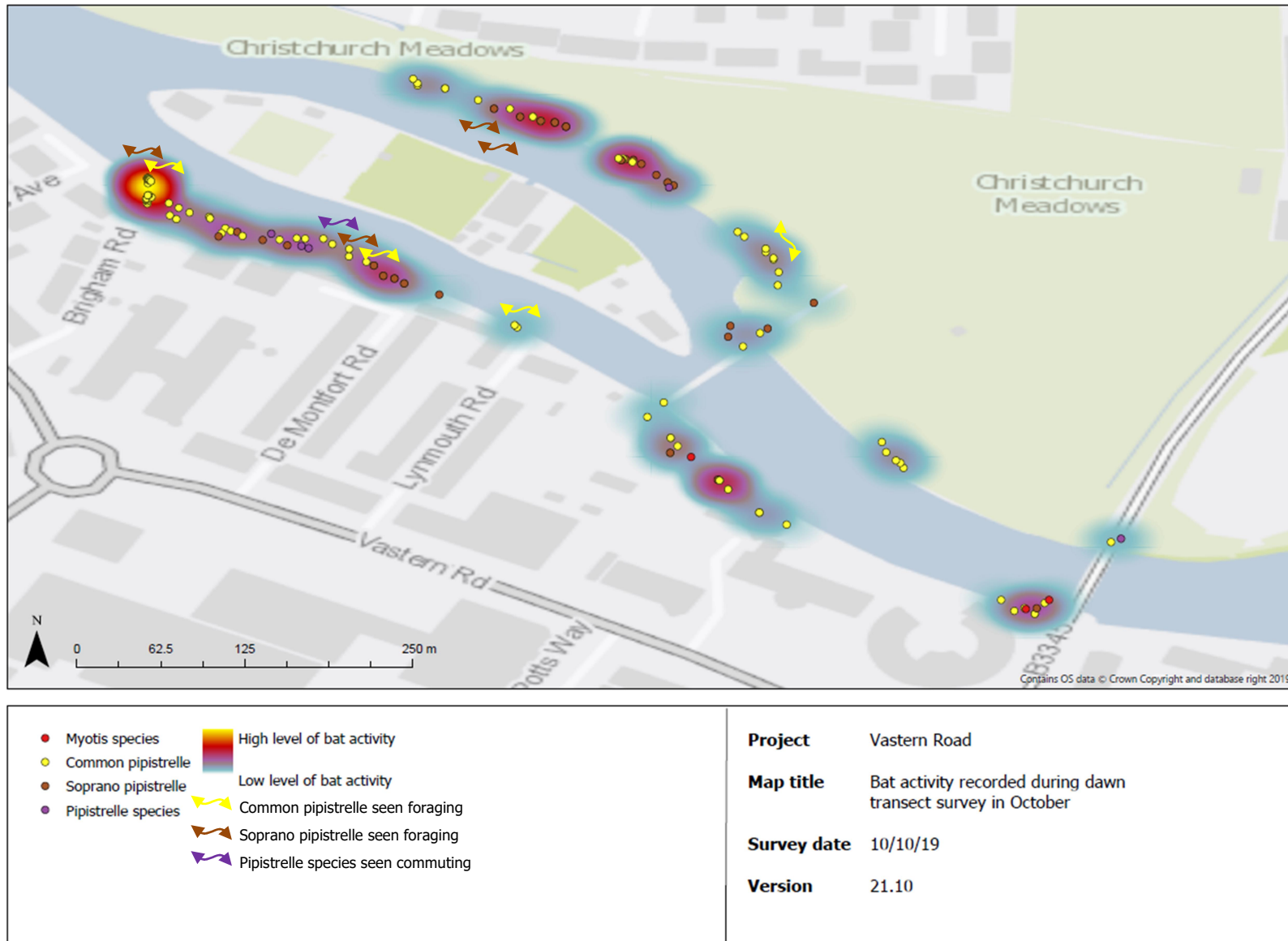


Figure 10: Bat activity recorded during activity survey in October

3.6 Interpretation/ evaluation of survey results

- 3.6.1 Using the guidance by Wray et al. (2010), foraging and commuting value has been assessed in Table 4. Please see Appendix D for calculations. This guidance should be considered as a framework for assessing foraging and commuting value. Local circumstances need to be considered in assessing value.
- 3.6.2 Total score ranges between 16 and 23 for all species for commuting value. Suggested values range from 'District, local or parish' to 'County' importance for bat species on site for commuting (a score of 11 to 20 suggests District, local or parish importance and 21 to 30 suggests County importance).
- 3.6.3 Total score ranges between 13 and 20 for all species for foraging value. Suggested values indicate 'District, local or parish' importance for all bat species on site for foraging (a score of 11 to 20 suggests District, local or parish importance).

Table 4: Foraging and commuting value (Wray et al., 2010)

Species	Numbers present on site	Rarity within England	Geographic frame of reference	
			Commuting value	Foraging value
<i>Myotis species</i>	Small numbers	Rarer	County	District, local or parish
Nathusius' pipistrelle	Individual bats	Rarer	District, local or parish	District, local or parish
Common pipistrelle	Small numbers	Common	County	District, local or parish
Soprano pipistrelle	Small numbers	Common	County	District, local or parish
Noctule	Individual bats	Rarer	District, local or parish	District, local or parish

4 Conclusions and recommendations

4.1 Conclusions

- 4.1.1 Five species of bats were recorded foraging or commuting on the River Thames near to the Site.
- 4.1.2 Most bats recorded were common and soprano pipistrelle bats with smaller number of Daubenton's and individual Nathusius' pipistrelle and noctule bats.
- 4.1.3 The River Thames provides a wildlife corridor between countryside to the west and east of Reading. Data suggests that this section of the River Thames is of county importance for commuting bats and of borough importance for foraging bats.

4.2 Recommendations

- 4.2.1 Some bat species are affected by lighting. Species such as noctule and pipistrelle bat species are understood to be less affected. Lighting is believed to mainly affect slow-flying bat species which are more vulnerable to predation (Stone et al, 2012). Bats recorded at the site which are known to avoid lit areas include *Myotis* bat species. Lighting levels should therefore be minimised as far as possible.
- 4.2.2 Landscaping close to the river should be as naturalistic as possible incorporating trees, shrubs and ground flora which commonly occur along the River Thames.

5 References

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Jessamy Battersby (Edited and compiled), (2005), UK Mammals: Species Status and Population Trends, JNCC/Tracking Mammals Partnership 2005.

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The Mammal Society (2017). Ecobat web-based tool. Available at <http://www.ecobat.org.uk/>

Wray S, Wells D, Long E and Mitchell-Jones T (2010) Valuing Bats in Ecological Impact Assessment, In Practice 70: 23-25.

Appendix A: Legislation

All bats and their roosts are protected under Schedule 5 of the Wildlife and Countryside Act 1981 (as amended) and by The Conservation of Habitats and Species Regulations 2010. Further enforcement has been provided by The Countryside and Rights of Way Act 2000. Regulation 41(1) of The Conservation of Habitats and Species Regulations 2010 states:

41(1) A person who—

- (a) deliberately captures, injures or kills any wild animal of a European protected species,*
 - (b) deliberately disturbs wild animals of any such species,*
 - (c) deliberately takes or destroys the eggs of such an animal, or*
 - (d) damages or destroys a breeding site or resting place of such an animal,*
- is guilty of an offence.*

(2) For the purposes of paragraph (1)(b), disturbance of animals includes in particular any disturbance which is likely—

(a) to impair their ability—

- (i) to survive, to breed or reproduce, or to rear or nurture their young, or*
- (ii) in the case of animals of a hibernating or migratory species, to hibernate or migrate; or*
- (b) to affect significantly the local distribution or abundance of the species to which they belong.*

Works that would result in an offence require a licence from Natural England. Proposals must satisfy the following tests of a Natural England development licence.

Licences may be granted under:

- *Regulation 53(2)(e), for the purpose of preserving public health or public safety or other imperative reasons of overriding public interest including those of a social or economic nature and beneficial consequences of primary importance for the environment; or*
- *Regulation 53(2)(f) for the purpose of preventing the spread of disease; or*
- *Regulation 53(2)(g) for the purpose of preventing serious damage to livestock, foodstuffs for livestock, crops, vegetables, fruit, growing timber or any other forms of property or to fisheries;*

subject to Natural England being satisfied that the application additionally meets:

- *Regulation 53(9)(a) that there was no satisfactory alternative; and*
- *Regulation 53(9)(b) that the action was not detrimental to the maintenance of the population of the species concerned at a favourable conservation status in their natural range.*

Section 99 of ODPM Circular 06/2005 states:

'It is essential that the presence or otherwise of protected species, and the extent that they may be affected by the proposed development, is established before the planning permission is granted, otherwise all relevant material considerations may not have been addressed in making the decision. The need to ensure ecological surveys are carried out should therefore only be left to coverage under planning conditions in exceptional circumstances, with the result that the surveys are carried out after planning permission has been granted. However, bearing in mind the delay and cost that may be involved, developers should not be required to undertake surveys for protected species unless there is a reasonable likelihood of the species being present and affected by development. Where this is the case, the survey should be completed and any necessary measures to protect the species should be in place, through conditions and / or planning obligations, before permission is granted.'

The Natural Environment & Rural Communities Act, 2006 (NERC Act) introduced a duty for all public authorities in England and Wales to have regard to the conservation of biodiversity in exercising their functions. Bats are Species of Principal Importance as defined in the NERC Act.

Appendix B: Raw survey data

Automated detectors

Table 5: April data from automated detectors

														Number of bat passes									
	00:00:00	00:30:00	01:00:00	01:30:00	02:00:00	02:30:00	03:00:00	03:30:00	04:00:00	04:30:00	05:00:00	05:30:00	06:00:00	19:30:00	20:00:00	20:30:00	21:00:00	21:30:00	22:00:00	22:30:00	23:00:00	23:30:00	
Location A																							
18/04/2019																							
Noctule bat																1	2						
Pipistrelle species																							1
Pipistrelle social call																						2	
Nathusius' pipistrelle																				1			
Common pipistrelle																	1	4	2	57	68	27	31
Soprano pipistrelle																	1	1	2				1
19/04/2019																							
Bat species																							
Noctule bat																2		1				1	
Nathusius' pipistrelle																		1					1
Common pipistrelle		45	35	5	4	1	1	1	1	1							10	11	15	13	5	8	
Soprano pipistrelle			4	3	2	1	1			1							1	1	1	2	2	1	
20/04/2019																							
Bat species																		1					
Noctule bat											3	1								1			
Pipistrelle species						1																	
Pipistrelle social call						1																	
Common pipistrelle		12	9	8	4	3	1																
Soprano pipistrelle		4	1	3	6	3				1							2	8	35	12	24	18	4
21/04/2019																							
Bat species																							
Pipistrelle species						1																	
Pipistrelle social call		1		1																			
Nathusius' pipistrelle											1	2											
Common pipistrelle		6	8	6	9	6	1	2															
Soprano pipistrelle		57	7	15	61	8	6	3	5								15	16	3	40	48	45	31
22/04/2019																							
Pipistrelle species									2														
Nathusius' pipistrelle																		1					
Common pipistrelle		49	53	15	17	38	18	38	13	6	3						2	28	59	47	34	3	2
Soprano pipistrelle		40	7	37	46	3	3	1	7		1								1	1	5	19	7
23/04/2019																							
Noctule bat		2	1																				
Pipistrelle species																							
Pipistrelle social call					1	1																	
Common pipistrelle		12	59	46	56	79	64	17	5	11	2												
Soprano pipistrelle		3	39	55	19	36	52	40	31		9												
Location B																							
18/04/2019																							
Noctule bat																1	2						
Nathusius' pipistrelle																							
Common pipistrelle																		1	1	2	5	1	3
Soprano pipistrelle																		1	1	2	1	1	3
19/04/2019																							
Noctule bat																							
Nathusius' pipistrelle																1	2						
Common pipistrelle		3	5	3	8	1	1			1									1				
Soprano pipistrelle		2	3	3		1				1	1							2	1	2	1	1	2
20/04/2019																							
Noctule bat													1										
Pipistrelle species			1																				
Common pipistrelle		5	2	6	3	1				1	1												
Soprano pipistrelle			2	3	3			1	3									1	2	9	1	3	
21/04/2019																							
Nathusius' pipistrelle								1															
Common pipistrelle		2	9	2	3	3	1		1	1													
Soprano pipistrelle		30	6	7	22	6	1																
22/04/2019																							
Common pipistrelle		8	9	6	2	6	3	9	1	1													
Soprano pipistrelle		26	3	31	33	2	2	1	2	1													
23/04/2019																							
Noctule bat		1											1										
Pipistrelle social call				1																			
Common pipistrelle		3	4	2	11	14	2	1	1	3													
Soprano pipistrelle		1	16	20	2	10	25	17	5		2												

Table 6: May data from automated detectors

	Number of bat passes																							
	00:00:00	00:30:00	01:00:00	01:30:00	02:00:00	02:30:00	03:00:00	03:30:00	04:00:00	04:30:00	05:00:00	05:30:00	20:00:00	20:30:00	21:00:00	21:30:00	22:00:00	22:30:00	23:00:00	23:30:00				
Location A																								
15/05/2019																								
Daubenton social call																		5						
Myotis species																	2		3	2				
Noctule bat													1	1				6	28	57				
Common pipistrelle																	1	2	3	10				
Soprano pipistrelle																								
16/05/2019																								
Daubenton social call			1						4										8	5				
Myotis species		9	1	13	20	5		4																
Noctule bat														1										
Pipistrelle species			2		1			3	2						1		1							
Nathusius' pipistrelle			1															1		1				
Common pipistrelle	12	85	96	92	54	52	56	10	1		1					2	3	32	66	61				
Soprano pipistrelle	4	56			3	6	7	7	1							5	1	8	28	42				
17/05/2019																								
Myotis species		3	8	12	10	3																		
Noctule bat				1																				
Pipistrelle species					1											1								
Common pipistrelle	90	92	75	60	35	11	2													6				
Soprano pipistrelle	7	12	1	4	8	2		1								2			1	1				
18/05/2019																								
Myotis species																	1	2						
Pipistrelle species																1								
Common pipistrelle	1	7	13	10	3	5	4	1	1						1	1		2	7	19				
Soprano pipistrelle	1		2	1	3		1	11	8						1	10	11	4	1					
19/05/2019																								
Myotis species		1						1																
Noctule bat			1	3	3	2																		
Common pipistrelle	20	20	44	14	7	23	17																	
Soprano pipistrelle			1			1			6															
20/05/2019																								
No bats																								
Location B																								
15/05/2019																								
Common pipistrelle																	1	1	2	2				
Soprano pipistrelle																	4	1						
16/05/2019																								
Myotis species		2	1	3	4														3					
Noctule bat						1									1			1						
Common pipistrelle	24	8	45	85	4		1	1	1									5	12	9				
Soprano pipistrelle				2	1	1		2								2	1	13		1				
17/05/2019																								
Myotis species		2		1	2	1																		
Noctule bat															1	1								
Pipistrelle species																								
Common pipistrelle	32	70	74	28	10	3		1									1							
Soprano pipistrelle																				1				
18/05/2019																								
Common pipistrelle	1	8	10	11	11	5	3	1	2										1	17				
Soprano pipistrelle					1		1	7	8							4	1	1	1					
19/05/2019																								
Myotis species				2				2	1	1														
Noctule bat																								
Pipistrelle species																				3				
Common pipistrelle	18	23	53	8		4	21	2								1	1	3	6					
Soprano pipistrelle																1	14	1	1	4				
20/05/2019																								
Noctule bat			1						1															
Pipistrelle species		1	1	2	1	1																		
Common pipistrelle		3	3		1	2	6	7	3															
Soprano pipistrelle		10	7	6	2	1	5	1	5															

Table 7: June data from automated detectors

Location A	Number of bat passes																							
	00:00:00	00:30:00	01:00:00	01:30:00	02:00:00	02:30:00	03:00:00	03:30:00	04:00:00	04:30:00	05:00:00	05:30:00	20:00:00	20:30:00	21:00:00	21:30:00	22:00:00	22:30:00	23:00:00	23:30:00	23:00:00	23:30:00	23:00:00	23:30:00
14/06/2019																								
Myotis species																							3	
Noctule bat																		4	1	2			2	
Common pipistrelle																		1	1	10		18		
Soprano pipistrelle																				3		1		
15/06/2019																								
Bat species			1																					
Myotis species		1																						
Noctule bat		1	3															2	1				2	
Nathusius' pipistrelle															1									
Common pipistrelle		68	63	10														1	1	14		10		
Soprano pipistrelle																	1							
16/06/2019																								
Daubenton social call																								
Myotis species		1		2				1										2	1			1		
Noctule bat			1		1													2	3	1		1		
Nathusius' pipistrelle			2																					
Common pipistrelle		15	41	6	2	14	5	7	49															
Soprano pipistrelle								1	27	1														
17/06/2019																								
Myotis species								2																
Noctule bat		1	1				3	6	1									1				1		
Pipistrelle species							1		1															
Pipistrelle social call		1			1																			
Nathusius' pipistrelle							1																	
Common pipistrelle		18	13	12	38	42	13	6	17									1	1	6		14		
Soprano pipistrelle									8									1						
18/06/2019																								
Myotis species		2																						
Noctule bat		1		5	1	1												13	4	1		1		
Pipistrelle species																		1						
Pipistrelle social call			2				1	1																
Common pipistrelle		22	70	51	56	17	34	24	38									1		4	5		8	
Soprano pipistrelle				6				1	1									2						
19/06/2019																								
Noctule bat				4		1	3		1															
Pipistrelle social call				3	2																			
Common pipistrelle		37	57	71	94	38	18	33	47															
Soprano pipistrelle		2				1	1	2	13															
Location B																								
14/06/2019																								
Noctule bat																								
Common pipistrelle																								
Soprano pipistrelle																								
15/06/2019																								
Noctule bat						1		2																
Pipistrelle species						3			3															
Common pipistrelle		30	18	16	2	12	12	14	20															
Soprano pipistrelle					1	1	1		9															
16/06/2019																								
Noctule bat					1																			
Common pipistrelle		7	7	7		3	1	4	12	1														
Soprano pipistrelle									7	4														
17/06/2019																								
Noctule bat																								
Common pipistrelle		16	1	3	19	35	18	2	7															
Soprano pipistrelle																								
18/06/2019																								
Noctule bat		1		3	1																			
Pipistrelle species																								
Common pipistrelle			21	32	36	14	34	17	8															
Soprano pipistrelle			1	2	1																			
19/06/2019																								
Noctule bat																								
Common pipistrelle		12	32	30	21	5	9	5	5															
Soprano pipistrelle																								

Table 8: July data from automated detectors

	Number of bat passes																																						
	00:00	00:30	01:00	01:30	02:00	02:30	03:00	03:30	04:00	04:30	05:00	05:30	06:00	20:30	21:00	21:30	22:00	22:30	23:00	23:30																			
Location A																																							
16/07/2019																																							
Common pipistrelle																			1	1																			
Noctule																	2	2	12	6																			
Soprano pipistrelle																				2																			
17/07/2019																																							
Common pipistrelle		3	2	1	2	4	2	5	1									1		1																			
Noctule		5	4	1	1	2		1	1		1							9	7	3																			
Soprano pipistrelle		2				1													1	1																			
18/07/2019																																							
Common pipistrelle		1	2	2	3		3	1	1										1	1																			
Noctule		3	3	1	1					1							1		1																				
Soprano pipistrelle		1		1			1												1	1																			
19/07/2019																																							
Common pipistrelle			2	2	1	2	2	3																															
Noctule			1	2		2								1			1	9	3	2																			
Pipistrelle species			1			2													1																				
Soprano pipistrelle			1	5	6	5	6	5	1																														
20/07/2019																																							
Common pipistrelle		1	1			1	2										1			1																			
Myotis species				1																																			
Noctule			1	1			1											1																					
Soprano pipistrelle																			1	4																			
21/07/2019																																							
Common pipistrelle		2		1	1	1	1																																
Nathusius' pipistrelle		1																																					
Noctule		2			1			1																															
Pipistrelle species			1																																				
Soprano pipistrelle		4	5	1	4																																		
Location B																																							
16/07/2019																																							
Common pipistrelle																	1		1	10																			
Noctule																1	6	2	16	12																			
Soprano pipistrelle																		1		1																			
17/07/2019																																							
Common pipistrelle		43	2	2	9	21	69	18	4									2	1	2																			
Noctule		13	5	1	1	1			1								2	8	15	11																			
Pipistrelle social call					1		5	1	2											1																			
Pipistrelle species		1							1																														
Soprano pipistrelle		1	2	2	4		2		3										2																				
18/07/2019																																							
Bat sp																																							
Common pipistrelle		9	7	23	46	19	20	23	23	2	1						1			29																			
Noctule		6		4	2												3	1	1																				
Pipistrelle social call			2	9	10	11	6	4	10											4																			
Pipistrelle species		1					1																																
Soprano pipistrelle				1		1	1	1																															
19/07/2019																																							
Common pipistrelle		59	11	42	38	51	57	12	3	1								5	11	19																			
Myotis species																		1																					
Noctule		1																																					
Pipistrelle social call		16	1				31	9																															
Pipistrelle species			2	4	3	3												5	5	4																			
Soprano pipistrelle		1	1	2	3	1	2		1																														
20/07/2019																																							
Common pipistrelle			1			18	3	3	1									1	6	3																			
Noctule				1		1													1	27																			
Pipistrelle social call						6		1									1	2	4																				
Soprano pipistrelle						1	1													5																			
21/07/2019																																							
Common pipistrelle		50	81	12	9	27	20	1	2	1																													
Nathusius' pipistrelle		2																																					
Noctule		2			2			1																															
Pipistrelle social call		4	23	5		3	4																																
Pipistrelle species		2																																					
Soprano pipistrelle		5	3		1	1																																	

									Number of bat passes															
	00:00	00:30	01:00	01:30	02:00	02:30	03:00	03:30	04:00	04:30	05:00	05:30	06:00	06:30	19:30	20:00	20:30	21:00	21:30	22:00	22:30	23:00	23:30	
Location A																								
17/08/2019																								
Common pipistrelle																				4	14	6	27	
Noctule																		1	2					
Pipistrelle social call																								
Pipistrelle species																	1					5	1	20
Soprano pipistrelle																			1					
18/08/2019																								
Common pipistrelle		24	20	23	33	12	3	8	3			1					1			1	6	9		
Noctule						1														1				
Pipistrelle social call		13	17	12	5	10			6	2													1	
Soprano pipistrelle				1	1																			
19/08/2019																								
Common pipistrelle		1	2	49	17	14	16	27	6	1							1	2		1	3	15	10	
Myotis species																						1		
Noctule								1														1	1	
Pipistrelle social call								1	1														1	
Soprano pipistrelle						2											1							1
20/08/2019																								
Common pipistrelle		30	51	35	85	28	10	4	4	1							1	9	15	7	18	30	22	
Noctule						2			1									4	1		2	1	1	
Pipistrelle social call		3	2	3			1			1											1			
Soprano pipistrelle		1	1	1				1												1	2	1	1	
21/08/2019																								
Common pipistrelle		42	42	77	37	7	10	5	4	1									4	6	7	28	27	
Noctule		1						1															1	
Pipistrelle social call		4	1	1	2	3	4		1									5	3		2			
Soprano pipistrelle		1		4		2	1	1				1										1	1	2
22/08/2019																								
Common pipistrelle		31	72	75	37	27	28	4	1															
Noctule		1				1		1																
Pipistrelle social call			1	2		3																		
Soprano pipistrelle		2	4	1	1																			
Location B																								
17/08/2019																								
Common pipistrelle																			1			2		
Noctule																			4					
18/08/2019																								
Common pipistrelle		1	2	12	17	2	2	1									1				4	6	1	
Noctule				1</																				

Table 10: September data from automated detectors

	Number of bat passes														18:30	19:00	19:30	20:00	20:30	21:00	21:30	22:00	22:30	23:00	23:30																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
Location A	00:00	00:30	01:00	01:30	02:00	02:30	03:00	03:30	04:00	04:30	05:00	05:30	06:00	06:30	07:00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							

Table 11: October data from automated detectors

	Number of bat passes																															
Location A	00:00	00:30	01:00	01:30	02:00	02:30	03:00	03:30	04:00	04:30	05:00	05:30	06:00	06:30	07:00	07:30	17:30	18:00	18:30	19:00	19:30	20:00	20:30	21:00	21:30	22:00	22:30	23:00	23:30			
10/10/2019																																
Common pipistrelle																			4													
Soprano pipistrelle																			1													
11/10/2019																																
Noctule																										2						
12/10/2019																																
Noctule		1																														
13/10/2019																																
Common pipistrelle																			1	8	4		1	1						1		
Noctule																			1		1	2										
Pipistrelle social call																									1							
Soprano pipistrelle																								1	1							
14/10/2019																																
Common pipistrelle																																
Noctule																																
Soprano pipistrelle																																
15/10/2019																																
Common pipistrelle																																
Location B																																
10/10/2019																																
No bats recorded																																
11/10/2019																																
Noctule																																
12/10/2019																																
Noctule																																
13/10/2019																																
Common pipistrelle																																
Noctule																																
Pipistrelle social call																																
Soprano pipistrelle																																
14/10/2019																																
Common pipistrelle																																
Noctule																																
Soprano pipistrelle																																
15/10/2019																																
Common pipistrelle																																

Appendix D: Foraging and Commuting value of the river, Wray et al. (2010)**Commuting Route value**

Species	Rarity within England		Number of bats		Roosts nearby		Type/complexity of feature category		Total Score	Geographic frame of reference
<i>Myotis species</i> including Daubenton's bat	Rarer	5	Small number	10	Small number*	3	Complex network of mature well-established hedgerows, small fields and rivers/streams	5	23	County
Nathusius' pipistrelle	Rarer	5	Individual bats	5	Not known	4	Complex network of mature well-established hedgerows, small fields and rivers/streams	5	19	District, local or parish
Common pipistrelle	Common	2	Small number	10	Not known	4	Complex network of mature well-established hedgerows, small fields and rivers/streams	5	21	County
Soprano pipistrelle	Common	2	Small number	10	Not known	4	Complex network of mature well-established hedgerows, small fields and rivers/streams	5	21	County
Noctule	Rarer	5	Individual bats	5	None	1	Complex network of mature well-established hedgerows, small fields and rivers/streams	5	16	District, local or parish

Foraging value

Species	Rarity within England		Number of bats		Roosts nearby		Type/complexity of feature category	Total Score	Geographic frame of reference
<i>Myotis species</i> including Daubenton's bat	Rarer	5	Small number	10	Small number*	3	Suburban areas or intensive arable land	20	District, local or parish
Nathusius' pipistrelle	Rarer	5	Individual bats	5	Not known	4	Suburban areas or intensive arable land	16	District, local or parish
Common pipistrelle	Common	2	Small number	10	Not known	4	Suburban areas or intensive arable land	18	District, local or parish
Soprano pipistrelle	Common	2	Small number	10	Not known	4	Suburban areas or intensive arable land	18	District, local or parish
Noctule	Rarer	5	Individual bats	5	None	1	Suburban areas or intensive arable land	13	District, local or parish

Appendix C: Ecobat Bat Activity Analysis

Ecobat Bat Activity Analysis

Site Name: Vastern Road

Ecoconsult

27/10/2019

Summary

Bat surveys were conducted at Location A, Location B, for 34 nights between 2019-04-18 and 2019-10-14, using Wildlife Acoustics static bat detectors. The maximum of passes recorded in a single night was 854 passes, and 6 species were recorded.

The reference range dataset was stratified to include:

- Only records from within 30 days of the survey date.
- Only records from within 100km² of the survey location.

Table 1

Summary table showing the number of nights recorded bat activity fell into each activity band for each species.

Location	Species/Species Group	Nights of High Activity	Nights of Moderate/ High Activity	Nights of Moderate Activity	Nights of Low/ Moderate Activity	Nights of Low Activity
Location A	<i>Myotis</i>	2	0	5	0	2
Location A	<i>Nyctalus noctula</i>	2	12	8	6	3
Location A	<i>Pipistrellus</i>	16	0	0	0	0
Location A	<i>Pipistrellus nathusii</i>	0	1	1	6	5
Location A	<i>Pipistrellus pipistrellus</i>	27	4	1	0	0
Location A	<i>Pipistrellus pygmaeus</i>	5	16	7	3	1
Location B	<i>Myotis</i>	0	2	1	0	1

Location B	<i>Nyctalus noctula</i>	0	12	8	9	2
Location B	<i>Pipistrellus</i>	0	1	2	0	6
Location B	<i>Pipistrellus nathusii</i>	0	0	1	2	5
Location B	<i>Pipistrellus pipistrellus</i>	16	11	4	1	0
Location B	<i>Pipistrellus pygmaeus</i>	4	11	8	7	1

Table 2

Summary table showing key metrics for each species recorded.

Location	Species/Species Group	Median Percentile	95% CIs	Max Percentile	Nights Recorded	Reference Range
Location A	<i>Myotis</i>	51	49 - 82	84	9	907
Location A	<i>Nyctalus noctula</i>	58	51 - 65	84	31	919
Location A	<i>Pipistrellus</i>	95	92 - 96.5	99	16	1673
Location A	<i>Pipistrellus nathusii</i>	25	31.5 - 51.5	65	13	112
Location A	<i>Pipistrellus pipistrellus</i>	92	87 - 93.5	98	32	1378
Location A	<i>Pipistrellus pygmaeus</i>	65	59 - 72	96	32	712
Location B	<i>Myotis</i>	55	0	63	4	907
Location B	<i>Nyctalus noctula</i>	51	0	79	31	919
Location B	<i>Pipistrellus</i>	0	0	62	9	1673
Location B	<i>Pipistrellus nathusii</i>	0	0	51	8	112
Location B	<i>Pipistrellus pipistrellus</i>	81	0	94	32	1378
Location B	<i>Pipistrellus pygmaeus</i>	58	0	94	31	712

Figures

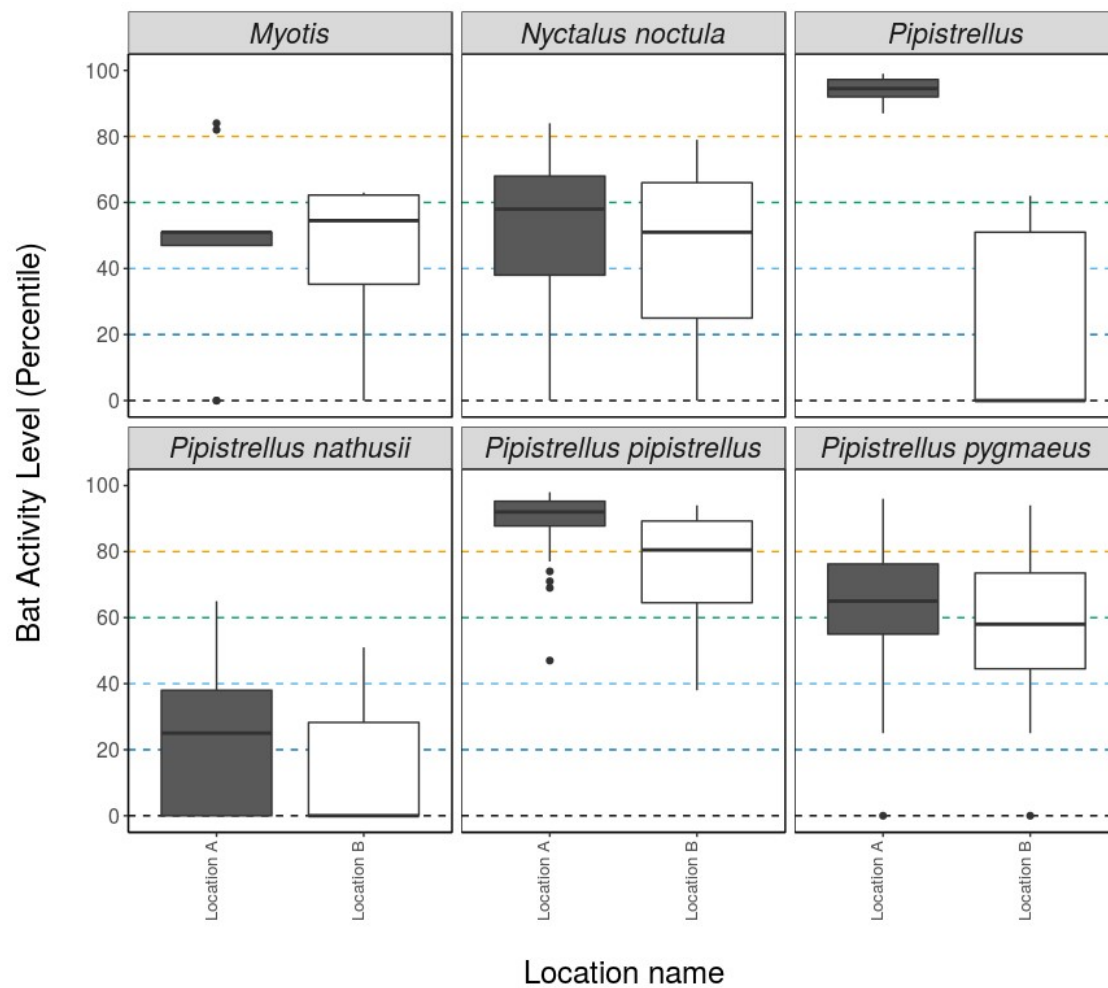
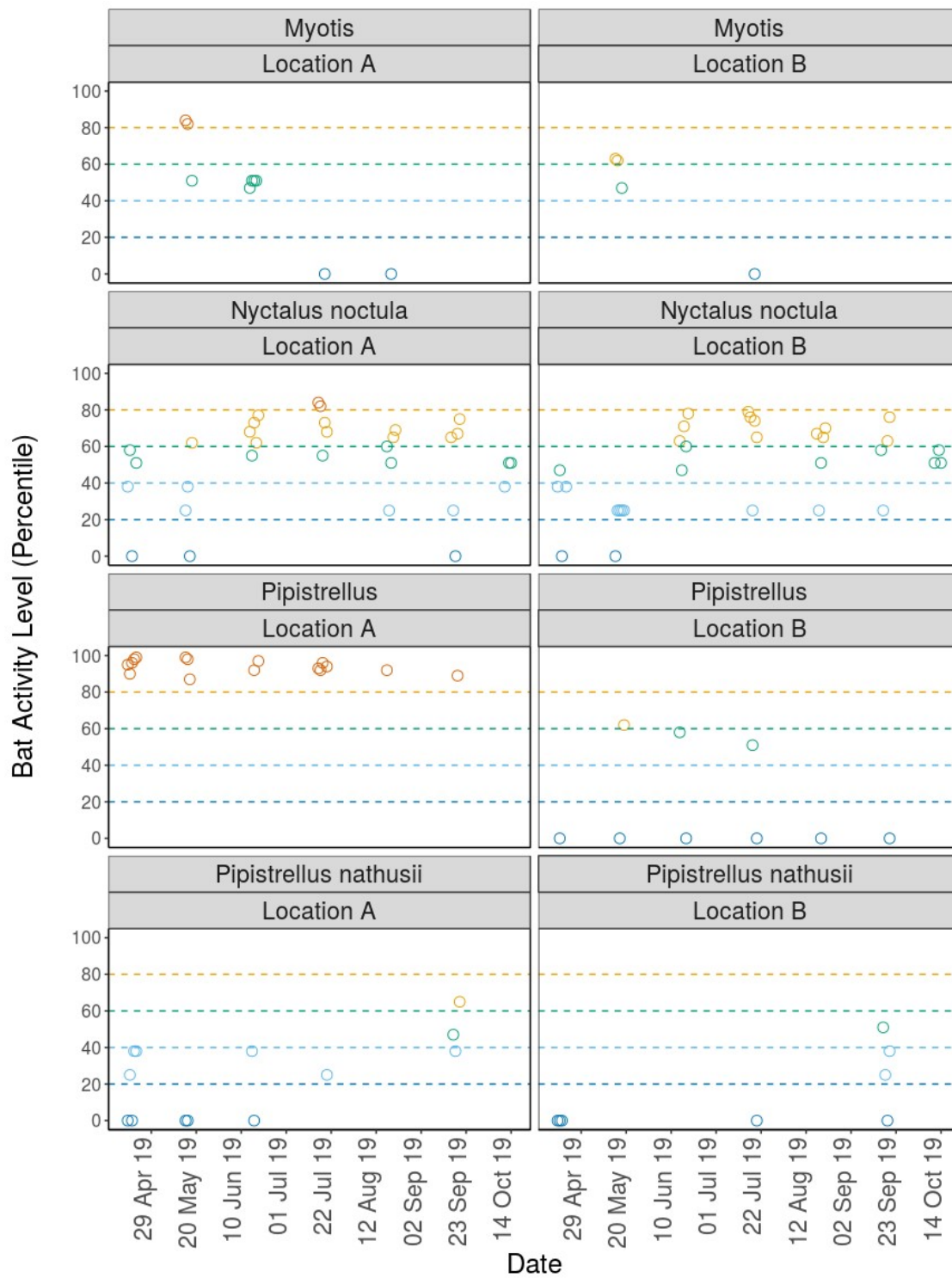


Figure 1. Differences in activity between static detector locations, split by species and location. The centre line indicates the median activity level whereas the box represents the interquartile range (the spread of the middle 50% of nights of activity)



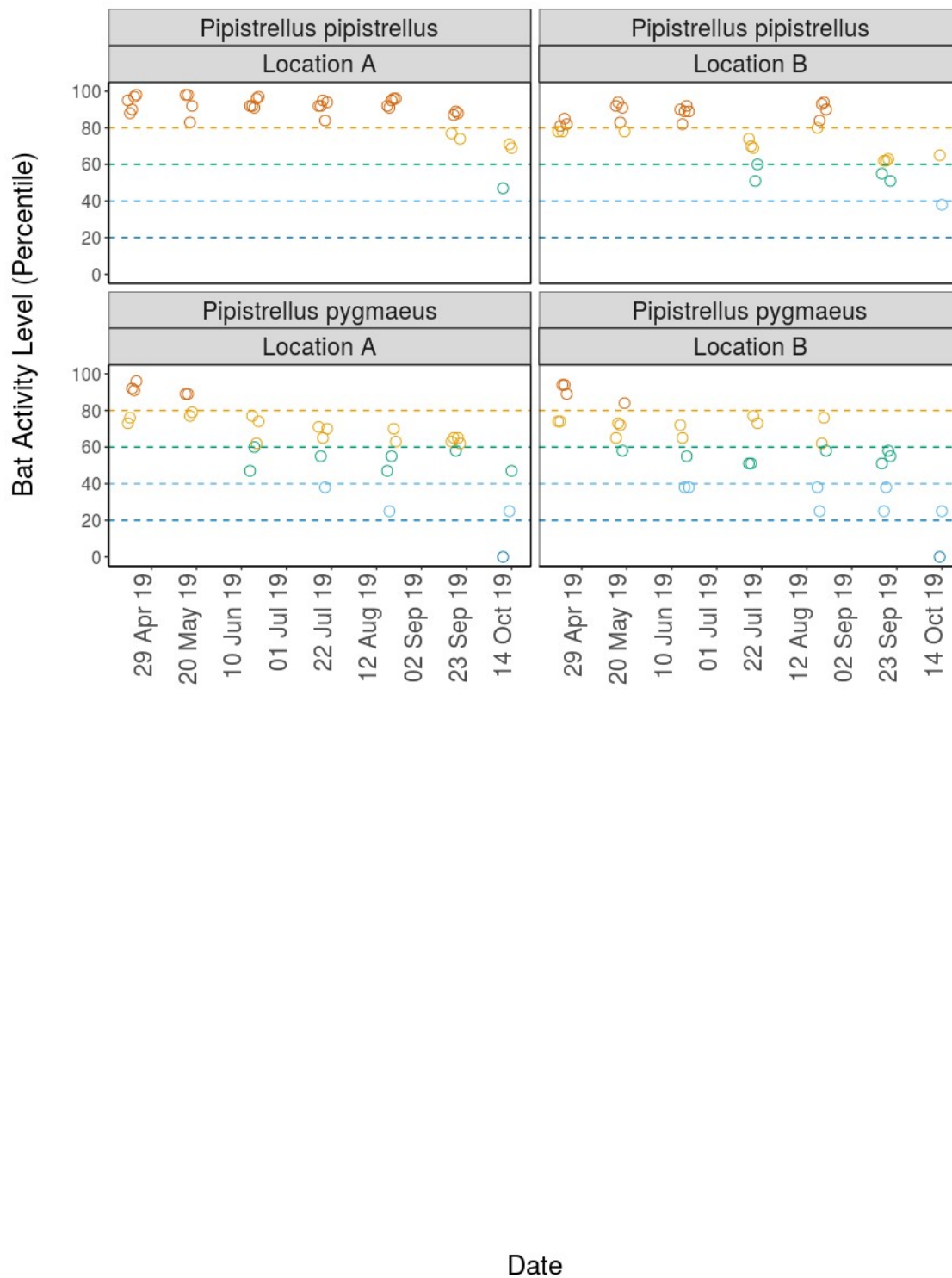


Figure 2. The activity level (percentile) of bats recorded across each night of the bat survey, split by location and species.