



APPENDIX 6-6

**PASSIVE BAT DETECTOR
DEPLOYMENT DETAILS AND
PREVAILING WEATHER
CONDITIONS**

Deployment details of passive bat detectors (2018-2019).

ID	Deployment Date	Recorded until	No. of nights	Notes
BD1	26/06/2019	04/07/2019	8	Common Pipistrelle dominant
BD2	25/11/2018	08/12/2018	13	No bats recorded
BD3	26/06/2018	27/07/2018	31	Recorded at height. No bats recorded.
BD4a	25/10/2018	01/11/2018	7	Recorded near ground level. No bats recorded
BD4b	25/10/2018	01/11/2018	7	Recorded at height. No bats recorded
BD5a	21/11/2018	16/01/2019	56	Recorded at ground level. No bats recorded
BD5b	21/11/2018	16/01/2019	56	Recorded at height. No bats recorded
BD6	26/03/2019	28/04/2019	33	One Lesser Horseshoe Bat registered
BD7	26/06/2019	18/07/2019	22	Soprano Pipistrelle dominant
BD8a	11/10/2018	20/10/2018	9	Ground level
BD8b	11/10/2018	20/10/2018	9	Recorded at height
BD9	21/08/2019	31/08/2019	10	No bats recorded - was recording at height (lower mic disconnected)

Passive bat detector deployment coverage 2021-2022.

Turbine no.	Preliminary Layout Sampling	Data coverage
T1	Between preliminary layout sampling locations 1 & 2	T1 (Autumn 2022), Location 1 (Spring, Autumn 2021; Spring, Summer 2022) Location 2 (Summer 2021; Spring, Summer 2022)
T2	West of preliminary layout sampling location 5 and south of location 6	T2 (Autumn 2022), Location 5 (Spring 2021; Spring, Summer 2022), Location 6 (Spring, Summer 2021; Spring, Summer 2022)
T3	West of preliminary layout sampling location 3 and east of location 7	T3 (Autumn 2022), Location 3 (Spring, Summer, Autumn 2021; Spring, Summer 2022), Location 7 (Spring, Summer, Autumn 2021; Spring, Summer 2022)
T4	Very close to preliminary sampling location 8	T4 (Autumn 2022), Location 8 (Summer, Autumn 2021; Spring, Summer 2022)
T5	Between preliminary layout sampling location 10 and 11 and west of location 8	T5 (Autumn 2022), Location 10 (Spring, Summer, Autumn 2021; Spring, Summer 2022), Location 11 (Spring 2021), Location 8 (Spring, Summer, Autumn 2021; Spring, Summer 2022)
T6	Very close to preliminary layout sampling location 12	T6 (Autumn 2022), Location 12 (Summer, Autumn 2021; Spring, Summer 2022)
T7	Very close to preliminary layout sampling location 16	T7 (Autumn 2022), Location 16 (Spring, Summer, Autumn 2021; Spring, Summer 2022)
T8	Just east of preliminary layout sampling location 9	T8 (Autumn 2022), Location 9 (Spring, Summer, Autumn 2021; Spring, Summer 2022)
T9	North of preliminary sampling location 13, south of preliminary sampling location 14	T9 (Autumn 2022), Location 13 (Spring, Summer, Autumn 2021; Spring, Summer 2022), Location 14 (Spring, Summer, Autumn 2021; Spring, Summer 2022)
T10	East of preliminary sampling location 15 and west of location 13 north of western met mast in very open area	T10 (Autumn 2022), Location 15 (Spring, Summer, Autumn 2021), Location 13 (Spring, Summer, Autumn 2021; Spring, Summer 2022). Additional recording from met mast (at height)

Turbine no.	Preliminary Layout Sampling	Data coverage
T11	South of preliminary layout sampling location 13 and southwest of location 9	T11 (Autumn 2022), Location 13 (Spring, Summer, Autumn 2021; Spring, Summer 2022), Location 9 (Spring, Summer, Autumn 2021; Spring, Summer 2022)

Spring 2021 passive detector deployment details.

Deployment location	Dep. date	Recorded until	Nights	No. of Registrations	No. of Taxa	No. of nights with bat registrations	Dates	Peak per Night
L1	15/04/2021	05/05/2021	20	5	4	3	20th, 26th & 29th April	2
L3	15/04/2021	05/05/2021	20	6	3	4	20th, 26th & 28th April and 4th May	3
L5	15/04/2021	06/05/2021	21	26	5	6	15th, 20th, 26th, 28th & 30th April and 4th May	17
L6	15/04/2021	06/05/2021	21	58	4	11	15th, 20th, 21st, 23rd, 24th, 26th, 28th & 29th April, 3rd and 5th of May	17
L7	15/04/2021	06/05/2021	21	11	2	4	20th, 21st & 26th April and 5th May	6
L9	15/04/2021	06/05/2021	21	6	4	2	20th & 26th April	4
L10	15/04/2021	06/05/2021	21	15	5	9	15th, 16th, 17th, 18th, 20th, 22nd, 26th & 28th April and 3rd May	3
L11	15/04/2021	05/05/2021	20	11	4	3	16th, 24th & 28th April	9

Deployment location	Dep. date	Recorded until	Nights	No. of Registrations	No. of Taxa	No. of nights with bat registrations	Dates	Peak per Night
L13	15/04/2021	05/05/2021	20	13	4	5	15th, 18th, 20th & 22nd April and 1st May	6
L14	15/04/2021	05/05/2021	20	1	1	1	28th April	1
L15	15/04/2021	06/05/2021	21	23	3	9	15th, 16th, 21st, 22nd, 23rd, 24th & 26th April and 3rd May	8
L16	15/04/2021	06/05/2021	21	10	3	6	20th, 24th, 25th, 27th & 28th April and 2nd May	4

Summer 2021 passive detector deployment details.

Dep. location	Dep. date	Record until	Nights	No. of Registrations	No. of Taxa	No. of nights with registrations	Dates	Peak Night of Registrations
L2	07/07/2021	03/08/2021	27	274	7	11	14th, 16th, 17th, 18th, 20th, 21st, 22nd, 23rd, 24th & 30th and 1st August	55 (19th July)
L3	07/07/2021	12/08/2021	36	802	8	23	8th, 13th, 14th, 16th, 17th, 18th, 19th, 20th, 21st, 22nd, 23rd, 24th, 27th, 28th and 30th July and 1st, 2nd, 3rd, 8th, 9th, 11th & 12th August	255 (18th July)
L6	07/07/2021	19/07/2021	12	283	6	6	8th, 13th, 15th, 16th, 17th & 18th July	79 (8th July)
L7	07/07/2021	02/08/2021	26	503	7	20	8th, 12th, 13th, 14th, 15th, 16th, 17th, 18th, 19th, 20th, 21st, 22nd, 23rd, 24th, 25th, 27th, 28th, 30th & 31st July and 1st August	112 (19th July)
L8	07/07/2021	19/07/2021	12	49	7	5	8th, 14th, 15th, 16th & 17th July	27 (16th July)
L9	07/07/2021	17/08/2021	41	361	7	23	8th, 12th, 16th, 17th, 18th, 19th, 20th, 21st, 22nd, 23rd, 24th, 25th, 27th, 30th & 31st July and 1st, 2nd, 3rd, 4th,	62 (19th July)

Dep. location	Dep. date	Record until	Nights	No. of Registrations	No. of Taxa	No. of nights with registrations	Dates	Peak Night of Registrations
							8th, 13th, 15th & 16th August	
L10	07/07/2021	04/08/2021	28	102	6	13	12th, 13th, 16th, 17th, 18th, 19th, 20th, 21st, 22nd, 23rd, 24th & 25th July and 4th August	36 (19th July)
L12	07/07/2021	16/08/2021	40	463	8	24	8th, 13th, 16th, 17th, 18th, 19th, 20th, 21st, 22nd, 23rd, 24th, 25th, 28th, 30th & 31st July and 2nd, 3rd, 8th, 9th, 11th, 12th, 13th, 15th & 16th August	166 (19th July)
L13	07/07/2021	10/08/2021	34	399	8	23	8th, 9th, 12th, 15th, 16th, 17th, 18th, 19th, 20th, 21st, 22nd, 23rd, 24th, 25th, 27th, 28th & 30th July and 1st, 3rd, 4th, 8th, 9th & 10th of August	73 (16th July)
L14	07/07/2021	17/08/2021	41	455	6	24	8th, 13th, 16th, 17th, 18th, 19th, 20th, 21st, 22nd, 23rd, 24th, 25th, 26th, 30th & 31st July and 1st, 3rd, 4th, 8th,	114 (24th July)

Dep. location	Dep. date	Record until	Nights	No. of Registrations	No. of Taxa	No. of nights with registrations	Dates	Peak Night of Registrations
							9th, 12th, 13th, 14th & 16th August	
L15	07/07/2021	16/08/2021	40	677	9	28	8th, 9th, 13th, 16th, 17th, 18th, 19th, 20th, 21st, 22nd, 23rd, 24th, 25th, 26th, 27th & 29th July and 1st, 2nd, 3rd, 5th, 8th, 9th, 10th, 11th, 12th, 13th, 14th & 15th August	218 (19th July)
L16	07/07/2021	19/07/2021	12	55	6	7	8th, 12th, 13th, 15th, 16th, 17th & 18th July	18 (16th July)

Autumn 2021 passive detector deployment details.

Dep. location	Dep. date	Record until	Nights	No. of Registrations	No. of Taxa	No. of nights with reg.	Dates	Peak Night of Reg.
L1	17/08/2021	31/08/2021	14	245	7	12	17th, 19th, 20th, 22nd, 23rd, 24th, 25th, 26th, 27th, 28th, 29th & 30th August	65 (23rd August)
L3	17/08/2021	08/09/2021	22	1457	9	21	17th, 18th, 20th, 21st, 22nd, 23rd, 24th, 25th, 26th, 27th, 28th, 29th, 30th & 31st August and 1st, 2nd, 3rd, 4th, 5th, 6th & 7th September	450 (5th September)
L7	17/08/2021	08/09/2021	22	258	7	20	17th, 19th, 20th, 21st, 22nd, 23rd, 24th, 25th, 26th, 27th, 28th, 29th, 30th & 31st July and 1st, 2nd, 3rd, 5th, 6th & 7th August	58 (26th August)
L8	17/08/2021	08/09/2021	22	353	8	20	17th, 20th, 21st, 22nd, 23rd, 24th, 25th, 26th, 27th, 28th, 29th, 30th & 31st August and 1st, 2nd, 3rd, 4th, 5th,	49 (23rd & 26th August)

Dep. location	Dep. date	Record until	Nights	No. of Registrations	No. of Taxa	No. of nights with reg.	Dates	Peak Night of Reg.
							6th & 7th September	
L9	17/08/2021	08/09/2021	22	283	8	20	17th, 19th, 20th, 22nd, 23rd, 24th, 25th, 26th, 27th, 28th, 29th, 30th & 31st August and 1st, 2nd, 3rd, 4th, 5th, 6th & 7th September	57 (23rd August)
L10	17/08/2021	08/09/2021	22	120	5	18	17th, 20th, 21st, 23rd, 25th, 26th, 27th, 28th, 29th, 30th & 31st August and 1st, 2nd, 3rd, 4th, 5th, 6th & 7th September	23 (26th August)
L12	17/08/2021	08/09/2021	22	410	7	20	17th, 18th, 20th, 21st, 22nd, 23rd, 24th, 25th, 26th, 27th, 28th, 29th, 30th & 31st August and 1st, 2nd, 3rd, 5th, 6th & 7th September	65 (23rd August)

Dep. location	Dep. date	Record until	Nights	No. of Registrations	No. of Taxa	No. of nights with reg.	Dates	Peak Night of Reg.
L13	17/08/2021	08/09/2021	22	444	8	22	17th, 18th, 19th, 20th, 21st, 22nd, 23rd, 24th, 25th, 26th, 27th, 28th, 29th, 30th & 31st August and 1st, 2nd, 3rd, 4th, 5th, 6th & 7th September	63 (23rd & 26th August)
L14	17/08/2021	08/09/2021	22	555	8	21	17th, 18th, 20th, 21st, 22nd, 23rd, 24th, 25th, 26th, 27th, 28th, 29th, 30th & 31st August and 1st, 2nd, 3rd, 4th, 5th, 6th & 7th September	220 (26th August)
L15	17/08/2021	08/09/2021	22	991	8	19	17th, 18th, 20th, 22nd, 23rd, 24th, 25th, 26th, 27th, 28th, 29th, 30th & 31st August and 1st, 2nd, 3rd, 4th, 6th & 7th September	602 (26th August)
L16	17/08/2021	08/09/2021	22	633	7	22	17th, 18th, 19th, 20th, 21st, 22nd, 23rd, 24th, 25th, 26th, 27th, 28th, 29th, 30th & 31st August	105 (23rd August)

Dep. location	Dep. date	Record until	Nights	No. of Registrations	No. of Taxa	No. of nights with reg.	Dates	Peak Night of Reg.
							and 1st, 2nd, 3rd, 4th, 5th, 6th & 7th September	

Spring 2022 passive detector deployment details.

Dep. location	Recorded until	Collection Date	Nights	No. of Registrations	No. of Taxa	No. of nights with reg.	Dates	Peak Night of Reg.
L1	12/04/2022	26/04/2022	14	11	4	6	12th, 13th, 15th, 22nd, 23rd & 24th April	5 (24th April)
L2	12/04/2022	26/04/2022	14	0	0	0	None	n/a
L3	12/04/2022	26/04/2022	14	3	3	3	13th, 23rd & 25th April	1 (13th, 23rd & 25th April)
L5	12/04/2022	26/04/2022	14	152	3	9	12th, 15th, 17th, 20th, 21st, 22nd, 23rd, 24th & 25th April	106 (22nd April)
L6	12/04/2022	26/04/2022	14	38	4	9	13th, 15th, 18th, 19th, 20th, 21st, 22nd, 23rd & 25th April	10 (19th April)
L7	12/04/2022	26/04/2022	14	8	3	5	13th, 15th, 16th, 19th & 24th April	3 (16th April)
L8	12/04/2022	26/04/2022	14	8	4	6	12th, 13th,	2

Dep. location	Recorded until	Collection Date	Nights	No. of Registrations	No. of Taxa	No. of nights with reg.	Dates	Peak Night of Reg.
							16th, 18th, 24th & 25th April	(16th & 18th April)
L9	12/04/2022	26/04/2022	14	36	3	2	14th & 25th April	35 (25th April)
L10	12/04/2022	26/04/2022	14	3	2	2	17th & 19th April	2 (17th April)
L12	12/04/2022	26/04/2022	14	9	3	4	15th, 19th, 21st & 24th April	3 (19th April)
L13	12/04/2022	26/04/2022	14	11	5	8	12th, 13th, 15th, 19th, 20th, 21st, 23rd & 24th April	3 (13th April)
L14	12/04/2022	26/04/2022	14	9	3	4	15th, 19th, 21st & 24th April	3 (19th April)
L16	12/04/2022	26/04/2022	14	7	5	2	15th & 23rd April	6 (15th April)
Met Mast (East)	12/04/2022	26/04/2022	14	0	0	0	n/a	n/a
Met Mast (West)	12/04/2022	26/04/2022	14	0	0	0	n/a	n/a

Summer 2022 passive detector deployment details.

Deployment location	Recorded until	Collection Date	Nights	No. of Registrations	No. of Taxa	No. of nights with reg.	Dates	Peak Night of reg.
L1	31/05/2022	21/06/2022	21	45	5	9	2nd, 6th, 11th, 12th, 13th, 14th, 15th & 16th June	15 (15th June)
L2	31/05/2022	21/06/2022	21	24	4	7	4th, 6th, 12th, 13th, 14th, 15th & 16th June	6 (14th June)
L3	31/05/2022	21/06/2022	21	15	2	6	6th, 12th, 13th, 14th, 15th & 16th June	5 (13th June)
L5	31/05/2022	21/06/2022	21	257	5	14	31st May and 3rd, 4th, 6th, 9th, 10th, 12th, 13th, 14th, 15th, 16th, 17th, 18th & 19th June	160 (19th June)
L6	31/05/2022	21/06/2022	21	438	6	16	31st May and 1st, 2nd, 3rd, 6th, 8th, 9th, 11th, 12th, 13th, 14th, 15th, 16th, 17th, 18th & 19th June	95 (14th June)
L7	31/05/2022	21/06/2022	21	63	8	13	31st May and 1st, 2nd, 3rd, 6th, 9th, 11th, 12th, 13th, 14th, 15th, 16th & 19th June	10 (2nd June)
L8	31/05/2022	21/06/2022	21	234	6	12	31st May, 3rd June, 8th, 9th, 11th, 12th, 13th, 14th, 15th, 16th, 17th & 19th June	46 (31st May)

Deployment location	Recorded until	Collection Date	Nights	No. of Registrations	No. of Taxa	No. of nights with reg.	Dates	Peak Night of reg.
L9	31/05/2022	21/06/2022	21	49	5	9	31st May and 3rd, 9th, 11th, 12th, 13th, 14th, 15th & 16th June	22 (13th June)
L10	31/05/2022	21/06/2022	21	25	7	9	31st May and 3rd, 8th, 12th, 13th, 14th, 15th, 16th & 19th June	6 (14th June)
L12	31/05/2022	21/06/2022	21	42	6	10	31st May and 1st, 2nd, 3rd, 11th, 12th, 13th, 14th, 15th & 16th June	11 (3rd June)
L13	31/05/2022	21/06/2022	21	0	0	0	None	n/a
L14	31/05/2022	21/06/2022	21	35	6	10	31st May, 1st, 3rd, 8th, 11th, 12th, 13th, 14th, 15th & 16th June	9 (14th June)
L16	31/05/2022	21/06/2022	21	17	5	7	31st May and 1st, 11th, 12th, 13th, 15th & 19th June	6 (12th June)
Met Mast (East)	31/05/2022	21/06/2022	21	0	0	0	n/a	n/a
Met Mast (West)	31/05/2022	21/06/2022	21	0	0	0	n/a	n/a

Autumn 2022 passive detector deployment details.

Deployment location	Recorded until	Collection Date	Nights	No. of Registrations	No. of Taxa	No. of nights with reg.	Dates	Peak Night of reg.
T1	04/10/2022	26/10/2022	22	16	6	7	7th, 9th, 12th, 14th, 17th, 21st & 23rd October	4 (7th October)
T2	04/10/2022	26/10/2022	22	7	4	5	7th, 10th, 11th, 12th & 17th October	2 (7th & 12th October)
T3	04/10/2022	26/10/2022	22	92	6	8	7th, 12th, 13th, 14th, 15th, 17th, 23rd & 24th October	24 (12th October)
T4	04/10/2022	26/10/2022	22	45	7	6	7th, 10th, 12th, 15th, 17th & 23rd October	15 (12th October)
T5	04/10/2022	26/10/2022	22	9	3	7	7th, 8th, 10th, 12th, 14th, 17th & 23rd October	2 (12th & 17th October)
T6	04/10/2022	26/10/2022	22	1	1	1	7th October	1 (7th October)
T7	04/10/2022	26/10/2022	22	15	6	7	7th, 8th, 10th, 12th, 14th, 16th & 17th October	5 (12th October)

Deployment location	Recorded until	Collection Date	Nights	No. of Registrations	No. of Taxa	No. of nights with reg.	Dates	Peak Night of reg.
T8	04/10/2022	26/10/2022	22	12	4	6	7th, 10th, 12th, 14th, 17th & 23rd October	4 (10th October)
T9	04/10/2022	26/10/2022	22	25	7	7	10th, 12th, 14th, 16th, 17th, 23rd & 25th October	7 (12th October)
T10	04/10/2022	26/10/2022	22	9	2	3	12th, 16th & 18th October	4 (16th October)
T11	04/10/2022	26/10/2022	22	16	5	6	7th, 8th, 10th, 16th, 17th & 23rd October	4 (16th & 23rd October)

Prevailing Weather Conditions during Passive Detector Deployment periods (2021-2022).

Spring 2021

Spring 2021	Max temp °C	Min Temp	Median	Average
15 April - 06 May 2021	19.61	-1.61	9.61	9.56
21 Nights	Max Wind m/s	Max Gust (m/s)	Median	Average
	20.6	27.8	1.6	2.62
	Max Daily Rainfall (mm)			
	14.50			
7 nights where air temperature dropped below 5oC	Heaviest rain on 3 May when 14.5mm of rain fell. Only 2 other days where total rainfall in excess of 5mm fell			

Summer 2021

Summer 2021	Max temp °C	Min Temp	Median	Average
7 July - 17 August 2021	30.72	9.78	15.61	16.74
Up to 41 nights (12-41)	Max Wind m/s	Max Gust m/s	Median	Average
Mild	11.3	16.9	1.1	1.79
	Max Daily Rainfall (mm)			
	16.31			
	Heaviest rain on August 6th 2021 with total of 16.3mm fell.			
	Five days overall with in excess of 5mm of rainfall			

Autumn 2021

Autumn 2021	Max temp °C	Min Temp	Median	Average
17 August - 8 September 2021	28.39	7.72	16.72	17.07
Up to 22 nights (12-22)	Max Wind (m/s)	Max Gust	Median	Average
Mild	7.6	10.9	1	0.86
	Max Daily Rainfall (mm)			
	13.89			
	Heaviest rain on September 8th 2021 with total of 13.9mm fell.			
	Two days overall with in excess of 5mm of rainfall			

Spring 2022

Spring 2022	Max temp °C	Min Temp	Median	Average
12 April - 26 April 2022	19.22	-0.78	11.28	10.57
14 Nights	Max Wind m/s	Max Gust	Median	Average
	14.2	19.8	1.9	2.57
	Max Daily Rainfall (mm)			
	6.10			
5 nights dropped below 5oC with night of 19th April only night to drop to below freezing point	Heaviest rain on 17 April when 6.1mm of rain fell. No other days where total rainfall in excess of 5mm fell			

Summer 2022

Summer 2022	Max temp °C	Min Temp	Median	Average
31 May - 21 June 2022	24.89	5.11	14.00	14.14
21 Nights	Max Wind m/s	Max Gust	Median	Average
Mild	12.4	22.8	0.8	1.57
	Max Daily Rainfall (mm)			
	5.50			
	Heaviest rain on 6 June when 5.5mm of rain fell. Only one other day when >5mm of rain fell (4th June)			

Autumn 2022

Autumn 2022	Max temp °C	Min Temp	Median	Average
04 October - 26 October 2022	19.22	-0.78	13.50	12.96
22 nights	Max Wind m/s	Max Gust	Median	Average
	19.6	27.8	2.5	3.00
Fairly mild	Max Daily Rainfall (mm)			
	21.10			
Two nights where temperature dropped below 5°C, 12th October and 15th October 2022	Wetter than average period with 12 days with total rainfall >5mm. Only 5 days with in excess of 10mm of rainfall with the heaviest rain on 21.1mm on 21st October.			