

**Appendix Ei: Bat Transect Results July & August**



**Northern Route: Transect 1.**

<b>Transect Survey Record Sheet</b>	
<b>Site Name: Lindhurst, Mansfield</b>	<b>Survey 1, Northern Transect Route</b>
<b>Surveyors: TH &amp; LR</b>	<b>Date: 17.07.08</b>
<b>Grid Ref:</b>	
<b>Sunrise: 04:59</b>	<b>Sunset: 21.22</b>

	Start time: 22:43	Finish time: 00:30
Temperature	17°C	
Humidity	80%	
Wind speed	Gentle breeze	
Cloud cover	65%	

Comments: Bat Box Duet & Creative MP3 Recorder. Analysed on BatSound by GD

<b>Plan Ref</b>	<b>Time</b>	<b>Location/Habitat</b>	<b>Species</b>	<b>Behaviour</b>	<b>Number</b>
1	23:11	Along hedgerow	Common pipistrelle	Foraging	1
2	23:15	Along hedgerow	Common pipistrelle	Foraging	2
3	23:17	Along hedgerow	Common pipistrelle	Foraging	3
4	23:18	Along hedgerow	Common pipistrelle	Foraging	1
5	23:19	Along hedgerow	Common pipistrelle	Foraging	2
6	23:20	Along hedgerow	Common pipistrelle	Foraging	2
7	23:21	Along hedgerow	Common pipistrelle	Foraging	1
8	23:22	Along hedgerow	Common pipistrelle	Foraging	1
9	23:38	Old Newark Road	Common pipistrelle	Foraging	2
10	23:40	Old Newark Road	Common pipistrelle	Passing	1
11	23:49	Old Newark Road	Soprano pipistrelle	Foraging	1
12	23:55	Old Newark Road	Common pipistrelle	Foraging	1
13	23:57	Old Newark Road	Common pipistrelle	Foraging	1
14	00:09	along hedgerow	Common pipistrelle	Passing	1

Southern Route: Transect 1

## Transect Survey Record Sheet

Site Name: Lindhurst, Mansfield		Survey 1, Southern Transect Route	
Surveyors: OR & SL		Date: 17.07.08	
Grid Ref:			
Sunrise: 04:59		Sunset: 21.22	

	Start time: 22:45	Finish time: 00:30
Temperature	17°C	
Humidity	80%	
Wind speed	Moderate breeze	
Cloud cover	75%	

Comments: Anabat SD1 detector; calls analysed on AnalookW by OR

Plan Ref	Time	Location/Habitat	Species	Behaviour	Number
1	22:47	Along hedgerow	Noctule	Foraging	2
2	22:48	Along hedgerow	Common pipistrelle	Foraging	2
3	22:49	Along hedgerow	Common pipistrelle & Noctule	Foraging	3
4	22:50	Along hedgerow	Common pipistrelle	Foraging	1
5	22:52	Woodland	Common pipistrelle	Foraging	2
6	22:55	Woodland	Soprano pipistrelle	Foraging	2
7	22:56	Woodland edge	Soprano pipistrelle	Foraging	1
8	23:00	Woodland edge	Common pipistrelle	Foraging	1
9	23:28	Woodland edge	Common pipistrelle	Foraging	2
10	23:29	Over marshy grassland	Common pipistrelle	Passing	1
11	23:30	Over pond	Common pipistrelle	Foraging	1
12	23:31	Along hedgerow	Common pipistrelle	Foraging	1
13	23:31	Along hedgerow	Common pipistrelle	Foraging	1
14	23:32	Along hedgerow	Common pipistrelle	Passing	1
15	23:34	Track with double hedge	Common pipistrelle	Foraging	1
16	23:37	Track with double hedge	Common pipistrelle	Social Calling	2
17	23:38	Track with double hedge	Common pipistrelle	Foraging	1
18	23:39	Track with double hedge	Common pipistrelle	Foraging	1
19	23:40	Track with	Common	Foraging	1

		double hedge	pipistrelle		
20	23:41	Track with double hedge	Common pipistrelle	Foraging	2
21	23:41	Track with double hedge	Common pipistrelle	Foraging	1
22	23:42	Track with double hedge	Common pipistrelle	Foraging	1
23	23:43	Track with double hedge	Common pipistrelle	Foraging	1
24	23:43	Woodland edge	Common pipistrelle	Foraging	2
25	23:44	Woodland edge	Common pipistrelle	Foraging	1
26	23:46	Woodland edge	Common pipistrelle	Foraging	1
27	23:47	Woodland edge	Common pipistrelle	Foraging	2
28	23:47	Woodland edge	Common pipistrelle	Foraging	1
29	23:49	Woodland edge	Common pipistrelle	Foraging	1
30	23:49	Woodland edge	Common pipistrelle	Foraging	2
31	23:51	Woodland edge	Soprano pipistrelle	Foraging	1
32	23:52	Along hedgerow	Common pipistrelle	Passing	1
33	23:59	Along hedgerow	Common pipistrelle	Foraging	1
34	00:04	Over grassland	Common pipistrelle	Passing	1

#### Northern Route: Transect 2

### Transect Survey Record Sheet

<b>Site Name: Lindhurst, Mansfield</b>		<b>Survey 2, Northern Transect Route</b>	
<b>Surveyors: JC &amp; NC</b>		<b>Date: 14.08.08</b>	
<b>Grid Ref:</b>			
<b>Sunrise: 05:43</b>		<b>Sunset: 20:36</b>	

	Start time: 21:25	Finish time: 23:55
Temperature	14°C	
Humidity	80%	
Wind speed	Gentle breeze	
Cloud cover	30%	

Comments: Bat Box Duet & Creative MP3 Recorder. Analysed on BatSound by OR.

Plan Ref	Time	Location/ Habitat	Species	Behaviour	Number
1	21:26	Along tree line	Soprano Pipistrelle	Passing	2
2	21:27	Along tree line	Soprano Pipistrelle	Foraging	1
3	21:32	Along tree line	Common pipistrelle	Passing	1

4	21:33	Along hedgerow	Common pipistrelle	Passing	1
5	21:38	Along hedgerow	Myotis spp	Foraging	1
6	21:39	Along hedgerow	Common pipistrelle	Foraging	1
7	21:41	Along hedgerow	Common pipistrelle	Passing	1
8	21:44	Along hedgerow	Common pipistrelle	Passing	1
9	21:51	Along hedgerow	Common pipistrelle	Passing	1
10	21:55	Along hedgerow	Common pipistrelle	Passing	1
11	21:57	Along hedgerow	Common pipistrelle	Passing	1
12	21:57	Along hedgerow	Common pipistrelle	Passing	1
13	22:00	along hedgerow	Common pipistrelle	Passing	1
14	22:03	along hedgerow	Common pipistrelle	Passing	1
15	22:06	Along hedgerow	Myotis	Passing	1
16	22:10	Along hedgerow	Leislars	Passing	1
17	22:11	Along hedgerow	Leislars	Social Calling	1
18	22:12	Along hedgerow	Leislars	Passing	1
19	22:18	Along hedgerow	Common pipistrelle	Passing	1
20	22:30	Along hedgerow	Common pipistrelle	Passing	1
21	22:33	Along hedgerow	Myotis	Passing	1
22	22:36	Along hedgerow	Leislars	Passing	1
23	22:37	Along hedgerow	Leislars	Foraging	1
24	22:43	Along hedgerow	Common pipistrelle	Passing	1
25	22:45	Along hedgerow	Common pipistrelle	Passing	1
26	22:46	Along hedgerow	Common pipistrelle	Foraging	1
27	22:52	Along hedgerow	Common pipistrelle	Passing	1
28	22:55	Along hedgerow	Soprano pipistrelle	Passing	1
29	23:04	Along hedgerow	Common pipistrelle	Passing	1
30	23:09	Along hedgerow	Common pipistrelle	Passing	1
31	23:10	Along hedgerow	Common pipistrelle	Passing	2
32	23:13	Along hedgerow	Common pipistrelle	Foraging	1
32	23:17	Along	Common	Passing	1

		hedgerow	pipistrelle		
33	23:20	Along hedgerow	Common pipistrelle	Passing	1
34	23:22	Along hedgerow	Common pipistrelle	Passing	1
35	23:27	Along hedgerow	Common pipistrelle	Foraging	1
36	23:29	Along hedgerow	Common pipistrelle	Foraging	1
37	23:31	Along hedgerow	Common pipistrelle	Foraging	1
38	23:32	Along hedgerow	Common pipistrelle	Foraging	1
39	23:33	Along hedgerow	Soprano pipistrelle	Passing	1

**Southern Route: Transect 2**

## Transect Survey Record Sheet

<b>Site Name: Lindhurst, Mansfield</b>		<b>Survey 2, Southern Transect Route</b>	
<b>Surveyors: OR &amp; JW</b>		<b>Date: 14.08.08</b>	
<b>Grid Ref:</b>			
<b>Sunrise: 05:43</b>		<b>Sunset: 20:36</b>	

	Start time: 21:25	Finish time: 23:55
Temperature	14°C	
Humidity	80%	
Wind speed	Gentle breeze	
Cloud cover	30%	

Comments: Bat Box Duet & Creative MP3 Recorder. Analysed on BatSound by OR

Plan Ref	Time	Location/Habitat	Species	Behaviour	Number
1	21:28	Along hedgerow	Soprano Pipistrelle	Foraging	1
2	21:34	woodland edge	Common pipistrelle	Passing	1
3	21:40	woodland edge	Common pipistrelle	Passing	1
4	21:42	over cut grassland	Common pipistrelle	Foraging	1
5	21:46	over cut grassland	Common pipistrelle	Passing	1
6	21:51	over cut grassland	Common pipistrelle	Foraging	1
7	21:56	woodland edge	Common pipistrelle	Passing	1
8	22:00	grassland	Common pipistrelle	Foraging	1
9	22:07	Access road	Common pipistrelle	Foraging	1
10	22:10	doubled-hedged track	Common pipistrelle	Foraging	3
11	22:15	woodland edge	Common pipistrelle	Passing	1

12	22:20	woodland edge	Common pipistrelle	Foraging	1
13	22:26	along hedgerow	Common pipistrelle	Passing	1
14	22:28	along hedgerow	Common pipistrelle	Passing	1
15	22:38	along western boundary	Common pipistrelle + Noctule	Passing	1 each
16	22:45	along northern boundary	Common pipistrelle	Foraging	1
17	22:55	along northern boundary	Common pipistrelle	Passing	1
18	23:05	doubled-hedged track	Common pipistrelle	Foraging	1
19	23:09	doubled-hedged track	Common pipistrelle	Passing	1
20	23:10	woodland edge	Common pipistrelle + Myotis spp.	Passing	1 each
21	23:17	Woodland edge	Common pipistrelle	Foraging	2
22	23:20	Access track	Common pipistrelle	Foraging	2
23	23:25	Lindhurst Lane	Common pipistrelle	Foraging	1
24	23:30	Lindhurst Lane	Common pipistrelle	Foraging	1