

Bat Detector Survey Results at the High Sheldon Wind Farm

Spring 2005										
Site/Detector	Operational Survey Period	No. Detector-nights	Number of Calls/Species							Total
			Big brown bat	Eastern red bat	Hoary bat	Silver-haired bat	Myotis spp.	Eastern Pipistrelle	Unknown	
High Met	4/21-5/31	36	0	0	0	1	4	1	0	6
			Detection Rate*							
High Met	4/21-5/31	36	0	0	0	0.03	0.11	0.03	0	0.17
Summer 2005										
			Number of Calls/Species							
Passive Surveys**	7/13-7/31	14	13	0	0	0	87	0	33	133
Active Surveys***	7/14-7/15, 7/21-7/23, 7/30-8/1	8	140	8	16	2	394	0	27	587
Total		22	153	8	16	2	481	0	60	720
			Detection Rate*							
Passive Surveys**	7/13-7/31	14	0.93	0	0	0	6.21	0	2.36	9.5
Active Surveys***	7/14-7/15, 7/21-7/23, 7/30-8/1	8	17.5	1	2	0.25	49.25	0	3.38	73.38
Total		22	6.95	0.36	0.73	0.09	21.86	0	2.73	32.73
Fall 2005										
			Number of Calls/Species							
High Met	8/1-9/27	58	73	10	10	2	11	1	30	137
Low Met	8/1-10/4	65	111	27	6	1	127	5	58	335
Field Edge	8/1-8/10, 8/19-9/17, 9/26-10/4	49	111	0	0	0	5313	0	111	5535
Total		172	295	37	16	3	5451	6	199	6007
			Detection Rate*							
High Met	8/1-9/27	58	1.26	0.17	0.17	0.03	0.19	0.02	0.52	2.36
Low Met	8/1-10/4	65	1.71	0.42	0.09	0.02	1.95	0.08	0.89	5.15
Field Edge	8/1-8/10, 8/19-9/17, 9/26-10/4	49	2.27	0	0	0	108.43	0.00	2.27	112.96
Total		172	1.72	0.22	0.09	0.02	31.69	0.03	1.16	34.92
*Calls per detector-night										
**During passive survey nights two or three detectors were deployed at 15 m and 30 m, and 2 m										
***During active survey nights a hand held detector was used in a variety of habitat types in the vicinity of the project area										