

**TECHNICAL APPENDIX 7.3 - ORNITHOLOGY SURVEY TABLES**

**Survey Tables**

**Table 1. VP survey data**

Date	VP	Time	Species (BTO codes)										
			OP	KT	MR	HH	GI	K.	HY	PE	ML	KI	GP
03/04/2020	1	09:10-12:10					1						
03/04/2020	3	16:50-19:50							2				
07/04/2020	2	17:05-20:05							2				
09/04/2020	3	09:00-12:00											
09/04/2020	2	12:30-15:30		1									
14/04/2020	1	16:00-19:00											
17/04/2020	1	06:10-09:10											
17/04/2020	3	09:40-12:40					1						
27/04/2020	2	15:40-18:40							4				
06/05/2020	2	16:00-19:00							2	1			
11/05/2020	3	10:20-13:20							4 (6)				
11/05/2020	1	14:00-17:00		2					7				
19/05/2020	3	08:50-11:50		1					5		1		
19/05/2020	2	12:20-15:20											
21/05/2020	1	18:10-21:10											
27/05/2020	1	10:45-13:45		1					3				
27/05/2020	2	14:15-17:15		1					2				
31/05/2020	3	08:40-11:40		1									
02/06/2020	1	04:50-07:50		1					3				
04/06/2020	3	14:30-17:30		1				1	1				

Date	VP	Time	Species (BTO codes)										
			OP	KT	MR	HH	GI	K.	HY	PE	ML	KI	GP
04/06/2020	2	18:30-20:45											
05/06/2020	2	20:45-21:30							7				
08/06/2020	1	18:30-21:30							5 (6)	1			
09/06/2020	3	09:15-12:15		1			2		1		1		
09/06/2020	2	12:50-15:50		1					8 (9)				
17/06/2020	2	12:50-15:50		4					7		1		
24/06/2020	3	09:00-12:00		1					6	1			
24/06/2020	1	18:20-21:20							1				
06/07/2020	2	08:40-11:40		2					6		1		
06/07/2020	1	12:10-15:10		1					7 (9)		1		
09/07/2020	3	12:00-15:00		3 (4)					10				
14/07/2020	2	15:00-18:00							3		1		
14/07/2020	3	18:30-21:30							4				
15/07/2020	1	18:30-21:30							1				
29/07/2020	2	07:15-10:15							2				
29/07/2020	1	10:45-13:45							4				
31/07/2020	3	14:10-17:10		1				1	6	1	2		
01/10/2020	1	10:30-13:30											
01/10/2020	2	14:00-17:00							2				
16/10/2020	3	15:10-18:10							3				
26/10/2020	1	10:30-13:30		1					2				
26/10/2020	3	14:00-17:00					2		5				
28/10/2020	2	09:50-11:30											
28/10/2020	2	13:45-14:05											
28/10/2020	2	14:20-15:20							1				
06/11/2020	1	07:00-07:30											

Date	VP	Time	Species (BTO codes)										
			OP	KT	MR	HH	GI	K.	HY	PE	ML	KI	GP
06/11/2020	1	09:00-11:30		1					1				
06/11/2020	2	12:00-15:00		1		1			3				
19/11/2020	2	11:00-14:00							3				
19/11/2020	3	07:30-10:30					2						
23/11/2020	1	13:20-16:20				2							
30/11/2020	3	12:55-15:55							1				
04/12/2020	1	12:55-15:55					1		1				
04/12/2020	2	09:25-12:25							2				
09/12/2020	3	14:05-15:45							1				
12/12/2020	2	13:10-16:10							3				
12/12/2020	3	11:20-12:40		3					1				
05/01/2021	3	11:50-14:50		1					2				
07/01/2021	1	13:05-16:05							3 (4)				
13/01/2021	1	13:15-14:45											
18/01/2021	1	08:05-09:35											
18/01/2021	2	09:50-11:50							2				
28/01/2021	3	09:30-12:30							4				
29/01/2021	2	15:00-16:00											
08/02/2021	1	10:30-13:30											
08/02/2021	2	14:00-17:00										1	
11/02/2021	3	13:15-16:15											
12/02/2021	1	13:00-16:00											
15/02/2021	2	10:40-13:40		1									
18/02/2021	1	13:25-16:25											
25/02/2021	3	12:20-15:20		2				1	7		2 (3)		
26/02/2021	1	14:30-17:30											

Date	VP	Time	Species (BTO codes)										
			OP	KT	MR	HH	GI	K.	HY	PE	ML	KI	GP
05/03/2021	2	09:45-12:45					1	1		2 (3)			
05/03/2021	3	13:15-16:15		2									
22/03/2021	2	13:35-16:35		1				2					
22/03/2021	3	10:05-13:05		2			1	8					
24/03/2021	2	14:05-17:05		1						1			
30/03/2021	1	12:40-15:40								7			
31/03/2021	3	10:00-13:00					3	11					
07/04/2021	2	15:30-18:30								2			
08/04/2021	1	10:20-13:20						1		2			
08/04/2021	3	13:50-16:50						7	1				
14/04/2021	2	14:00-17:00		1				5		1			
16/04/2021	3	10:05-13:05		1			1	1					
16/04/2021	1	13:35-16:35		1									
20/04/2021	2	09:20-12:20						4					
20/04/2021	3	12:50-15:50		7(8)			1	4					
21/04/2021	1	13:55-16:55		3						1			
05/05/2021	3	14:05-17:05						1					
06/05/2021	1	09:55-12:55		5				1					
06/05/2021	2	13:25-16:25		3				1					
12/05/2021	2	10:05-13:05					1						
13/05/2021	3	12:55-14:55					1	1					
19/05/2021	1	14:15-17:15						3					
02/06/2021	3	15:30-18:30											
03/06/2021	2	11:10-14:10		5									
03/06/2021	1	14:40-17:40		4						1			
07/06/2021	3	10:30-13:30		1									

Date	VP	Time	Species (BTO codes)										
			OP	KT	MR	HH	GI	K.	HY	PE	ML	KI	GP
09/06/2021	2	13:25-16:25		3									
09/06/2021	1	16:40-18:10											
18/06/2021	1	10:05-13:05							4				
23/06/2021	2	10:30-13:30		1									
23/06/2021	1	14:00-17:00		1				1	4				
25/06/2021	3	14:10-17:10		2			2	8(10)	2(4)				
29/06/2021	2	08:00-11:00						10(11)					
29/06/2021	3	11:30-14:30		5			1	1					
07/07/2021	3	10:00-13:00		1				10	1				
07/07/2021	1	13:30-16:30					1						
15/07/2021	3	06:50-09:50					2	1					
15/07/2021	2	10:20-13:20						4(9)					
15/07/2021	1	13:50-15:20		3(4)				2					
23/07/2021	1	05:30-08:30											
23/07/2021	2	09:00-12:00		3				1					
23/07/2021	3	12:30-13:30						2					
26/07/2021	3	10:20-13:20		6				9		1			
28/07/2021	2	05:45-08:45						1					
28/07/2021	3	09:15-12:15		1			1	11(19)					
02/08/2021	1	10:00-13:00							4				
06/10/2021	1	14:55-17:55											
13/10/2021	3	10:40-13:40		3(4)									
13/10/2021	2	14:10-17:10		1(2)									
30/10/2021	1	14:30-17:30											
05/11/2021	3	12:20-15:20		4(5)				2					
19/11/2021	1	10:15-13:15						6					

Date	VP	Time	Species (BTO codes)										
			OP	KT	MR	HH	GI	K.	HY	PE	ML	KI	GP
22/11/2021	3	12:10-15:10											
25/11/2021	2	09:50-12:50		1			1						
25/11/2021	3	13:20-16:20											
27/11/2021	2	09:40-12:40											
28/11/2021	1	11:20-14:20						4					
10/12/2021	2	09:50-12:50						1					1(32)
10/12/2021	1	13:20-16:20		1						1			
21/12/2021	3	09:25-12:25		3									
21/12/2021	1	12:55-15:55		1									
07/01/2022	3	10:00-12:30		2									
12/01/2022	3	09:20-12:20									4		
12/01/2022	1	12:50-15:50						2					
13/01/2022	2	13:15-16:15											
13/01/2022	3	16:20-16:50											
14/01/2022	1	09:40-12:40						2					
14/01/2022	2	13:10-16:10											
04/02/2022	3	12:30-15:30		1(2)									
17/02/2022	2	12:40-15:40											
23/02/2022	3	13:05-16:05		1									
24/02/2022	2	13:05-16:05											
26/02/2022	1	13:30-16:30											
27/02/2022	2	15:00-18:00											
07/03/2022	3	10:50-13:50		2			1						
07/03/2022	1	14:20-17:20		1									
09/03/2022	2	10:20-13:20		1									
09/03/2022	3	13:50-16:50											

Date	VP	Time	Species (BTO codes)										
			OP	KT	MR	HH	GI	K.	HY	PE	ML	KI	GP
18/03/2022	3	09:50-12:50					1(2)						
18/03/2022	1	13:10-16:10					1	1		1			
24/03/2022	1	10:15-13:15				1							
24/03/2022	2	13:45-16:45		2(4)				1					
28/03/2022	3	10:30-13:30					1						
28/03/2022	2	14:15-17:15	1					2		2			
11/08/2022	3	07:10-10:10						4					
11/08/2022	2	11:00-14:00					1	6(7)	1				
26/08/2022	3	10:00-13:00		1				7(8)	1				
26/08/2022	1	13:30-16:30		1				5(7)					
29/08/2022	1	10:45-13:45		3				19(24)					
29/08/2022	2	14:15-17:15		1				20(24)					
14/09/2022	1	10:00-13:00			1			7(9)					
14/09/2022	2	13:30-16:30					1	15					
22/09/2022	3	14:45-17:45		2				19(23)					
28/09/2022	2	15:00-18:00						9(10)					
29/09/2022	1	11:30-14:30		2				6					
29/09/2022	3	15:00-18:00					1	6					

**Table 2. Breeding Raptor survey data**

Survey Type	Date	Time	VP	Species (BTO codes)				
				KT	GI	K.	HY	PE
Walkover	22/04/2020	08:00-16:00	Over Cwmcarn	1		2	1	
Quarry Checks	22/04/2020	16:15-18:30	-					
Walkover	20/05/2020	08:00-15:50	Over Cwmcarn	2		4	1	
Quarry Checks	21/05/2020	12:30-15:30	-					
Quarry Checks	01/06/2020	15:00-17:00	-					1 (nest)
Quarry Checks	01/07/2020	15:10-17:30	At Blaen Bran					
Quarry Checks	02/07/2020	16:45-19:00	-					3 (nest) (incl. 1juv)
Moorland Walkover	22/04/2021	08:40-16:20	-	1		1		1
Quarry Checks	11/05/2021	13:00-16:00	-					
Quarry Checks	22/05/2021	13:00-16:30	-					1 (2)
Quarry Checks	24/05/2021	10:30-11:30 14:40-17:10	-					1
Woodland VP	04/06/2021	11:45-13:45	Over Coed Cil-lonydd		1			
Woodland VP	18/06/2021	07:30-09:30	Over Cwmcarn					
Quarry Checks	06/07/2021	10:30-16:00	-					1
Quarry Checks	14/07/2021	15:15-17:15	-					



**Table 3. Targeted goshawk VP survey data**

Date	Goshawk VP	Time	Goshawk recorded?
12/02/2021	2	09:30-12:30	No
25/02/2021	1	08:40-11:40	Yes - one flight at 09:29 which lasted for approximately 30 seconds (no display)
26/02/2021	3a	08:50-11:50	Yes - one flight by two birds (male and female) at 10:44 which lasted for approximately 5 minutes and 15 seconds and included mutual soaring (no display)
08/03/2021	2	08:35-11:35	Yes - one flight at 11:29 which lasted for approximately 2 minutes and 30 seconds (no display)
08/03/2021	1	11:50-13:50	No
09/03/2021	3a	08:50-11:50	Yes - two flights; one at 09:46 which lasted for approximately 30 seconds (no display), one at 11:03 which lasted for approximately 45 seconds (no display)
07/04/2021	1	10:45-12:45	No
13/04/2021	3b	09:40-11:40	No

**Table 4. Breeding wader survey data**

Date	Time	Species (BTO codes)
		SN
08/04/2020	08:30-18:00	2
07/05/2020	08:30-17:05	
05/06/2020	08:30-16:30	
07/07/2020	08:50-15:40	

**Table 5. Nightjar survey data**

Survey number	Visit	Date	Time	Sunset	Churring nightjar recorded
1		15/06/2020	22:00 - 00:25	21:31	5 territories
		16/06/2020	22:00 - 00:12	21:31	8 territories
2		14/07/2020	22:00 - 00:30	21:24	2 territories
		15/07/2020	22:00 - 00:15	21:23	3 territories
1		09/06/2021	22:10 - 00:20	21:28	0 territories
		10/06/2021	21:40 - 00:18	21:29	2 territories
		14/06/2021	21:31 - 23:38	21:31	6 territories
2		13/07/2021	22:00 - 23:44	21:26	4 territories
		14/07/2021	22:00 - 00:20	21:25	4 territories
		15/07/2021	22:00 - 23:55	21:24	4 territories