



Appendix 8.5. Survey Data



Table 8- 1: CBS Transect survey results, Breeding season 2022

Date	Breeding 2022						
	May			Jun			
	T1	T2	T4	T1	T2	T3	T4
Blackbird	8	-	4	5	7	6	7
Blackcap	-	-	4	-	-	-	-
Blue Tit	2	-	-	2	1	1	1
Bullfinch	-	-	1	-	-	2	-
Chaffinch	3	-	-	6	5	1	1
Chiffchaff	-	-	-	3	1	-	1
Coal Tit	-	-	-	-	6	-	-
Cuckoo	-	-	-	-	-	1	-
Dunnock	-	-	-	-	-	1	1
Goldcrest	1	-	-	3	5	-	1
Hen Harrier	-	-	-	-	-	-	1
Jackdaw	-	-	-	-	-	1	-
Kestrel	-	-	-	1	-	-	-
Magpie	-	-	-	1	1	-	-
Mallard	1	-	-	-	-	-	-
Meadow Pipit	4	-	-	-	-	-	6
Pheasant	3	-	-	-	5	1	-
Pied Wagtail	-	-	-	1	-	-	-
Robin	4	-	1	1	2	4	3
Rook	-	-	-	1	41	-	-
Skylark	-	-	-	-	1	-	-
Song Thrush	1	-	2	3	-	1	-
Starling	13	-	-	-	1	-	-
Swallow	1	-	-	-	-	1	-
Whitethroat	-	-	-	-	-	-	1
Willow Warbler	5	-	2	3	3	4	2
Woodpigeon	1	-	-	6	13	4	1
Wren	8	-	4	9	14	6	12

Table 8- 2: CBS Transect survey results, Winter Season 2022/23

Date	Winter 2022 – 2023															
	Nov				Dec				Jan				Feb			
Transect	T1	T2	T3	T4	T1	T2	T3	T4	T1	T2	T3	T4	T1	T2	T3	T4
Blackbird	2	-	-	-	12	3	8	2	5	3	5	3	16	5	6	4
Blue Tit	-	-	-	-	2	1	-	-	1	1	1	3	1	1	3	1
Bullfinch	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-
Buzzard	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
Chaffinch	-	-	2	-	-	-	29	-	5	8	1	-	48	1	14	-
Coal Tit	-	-	-	-	-	2	-	4	1	-	-	11	1	12	-	7
Collard Dove	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-
Dunnock	-	-	1	1	-	-	-	-	-	1	3	-	-	-	4	-
Fieldfare	-	-	-	-	14	-	-	-	64	-	-	-	-	-	-	-
Goldcrest	-	-	-	-	-	-	-	-	-	1	-	-	-	3	-	1
Goldfinch	1	-	-	-	-	-	-	-	-	-	-	-	11	-	-	-
Great Tit	-	-	-	-	2	2	-	1	5	-	-	1	7	6	5	6
Greenfinch	-	-	-	-	-	-	20	-	-	-	-	-	-	-	-	-
Hooded Crow	-	-	3	-	2	6	22	2	2	-	1	-	2	4	17	2
House Sparrow	-	-	3	-	-	4	25	-	-	-	-	-	-	-	7	-
Jackdaw	1	-	-	-	1	-	3	-	1	-	-	-	-	-	11	-
Jay	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-	-
Long-Tailed Tit	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Magpie	-	-	-	-	5	-	-	-	2	-	-	-	1	2	-	-
Meadow Pipit	-	-	5	-	-	-	7	1	-	-	8	3	1	2	31	-
Mistle Thrush	-	-	-	-	6	-	-	-	-	-	-	-	2	3	-	-
Pheasant	-	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-
Pied Wagtail	-	-	-	-	-	-	1	-	1	-	-	-	6	-	-	-
Raven	-	-	-	-	-	-	2	3	-	-	-	-	-	-	-	1
Redwing	-	-	1	-	12	-	57	-	41	-	1	-	14	-	-	-
Reed Bunting	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-
Robin	2	-	2	2	6	3	3	2	-	2	-	1	12	8	9	5
Rook	2	1	2	-	2	-	25	-	1	-	13	-	-	-	7	-
Snipe	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
Song Thrush	-	-	-	-	4	-	2	-	1	4	1	-	8	2	4	2
Sparrowhawk	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-
Starling	-	-	-	-	-	-	14	-	51	-	-	-	23	-	38	-
Woodpigeon	5	-	-	-	3	1	-	-	-	-	1	1	2	1	6	5
Wren	-	1	-	-	3	1	1	3	1	1	-	2	3	-	2	3



Table 8- 3: CBS Transect survey results, Breeding Season 2023

Date	Breeding 2023							
	April				May			
	T1	T2	T3	T4	T1	T2	T3	T4
Blackbird	11	9	-		-	2	-	11
Blue Tit	2	-	-	2	-	4	-	-
Bullfinch	-	-	-	1	-	-	-	-
Chaffinch	3	-	-	7	-	4	-	-
Coal Tit	-	-	-	2	-	-	1	-
Collard Dove			-	1	-	-	-	-
Cuckoo	-	-	-	2	-	-	3	-
Dunnock	-	-	-	5	-	-	1	-
Goldcrest	1	-	-	1	-	-	-	-
Goldfinch			-	1	-	-	-	-
Great Tit			-	1	-	-	1	-
Hooded Crow			-	11	7	-	3	-
Jackdaw	-	-	-	2	1	-	-	-
Magpie			-	1	2	-	-	-
Meadow Pipit	4	-	-	4	6	-	-	-
Mistle Thrush			-	-	6	-	-	-
Reed Bunting			-	1	-	-	-	-
Pheasant	3	-	-	1	9	-	-	-
Pied Wagtail	-	-	-	-	3	-	-	-
Raven	-	-	-	-	1	-	-	-
Robin	4	-	-	30	18	-	-	-
Rook	-	-	-	2	2	-	-	-
Skylark	-	-	1	3	2	-	-	-
Song Thrush	1	-	14	-	6	-	-	-
Starling	13	-	8	-	1	-	-	-
Swallow	1	-	-	-	-	-	-	-
Whitethroat	-	-	2	-	2	-	-	-
Willow Warbler	5	-	49	-	7	-	-	-
Woodpigeon	1	-	25	-	17	-	-	-
Wren	8	-	33		18	-	-	-



Table 8- 4: Winter 2021/22 VP Species and Height Band

Date	VP Name	Start Time	End Time	Species	Number	Time of sighting	On/Off Site	<10 m	10-20m	20-30m	30-40m	40-50m	50-160 m	>160 m	Total Duration (s)
03/11/2021	1	08:30:00	11:30:00	Raven_RN	1	08:50:00	On			50					50
03/11/2021	1	08:30:00	11:30:00	Raven_RN	1	09:10:00	On			45					45
03/11/2021	1	08:30:00	11:30:00	Kestrel_K.	1	10:45:00	On			35					35
03/11/2021	1	08:30:00	11:30:00	White-tailed Eagle_WE	1	11:05:00	On						160		160
03/11/2021	1	08:30:00	11:30:00	Kestrel_K.	1	11:10:00	On		75						75
03/11/2021	1	11:30:00	14:30:00	Kestrel_K.	1	11:45:00	On		120	100	100	100			420
03/11/2021	1	11:30:00	14:30:00	White-tailed Eagle_WE	1	12:00:00	On						620		620
03/11/2021	1	11:30:00	14:30:00	Kestrel_K.	1	12:50:00	On			130					130
03/11/2021	1	11:30:00	14:30:00	Kestrel_K.	1	13:50:00	On			260					260
04/11/2021	2	08:50:00	11:50:00	Raven_RN	2	11:30:00	On			25					25
04/11/2021	2	11:50:00	14:50:00	Kestrel_K.	1	12:25:00	On		130						130
04/11/2021	2	11:50:00	14:50:00	Kestrel_K.	1	12:40:00	On		400	180					580
04/11/2021	2	11:50:00	14:50:00	White-tailed Eagle_WE	2	13:25:00	On			70					70
04/11/2021	2	11:50:00	14:50:00	Hen Harrier_HH	1	13:30:00	On				70				70

Date	VP Name	Start Time	End Time	Species	Number	Time of sighting	On/Off Site	<10m	10-20m	20-30m	30-40m	40-50m	50-160m	>160m	Total Duration (s)
04/11/2021	2	11:50:00	14:50:00	Kestrel_K.	1	14:10:00	On		600	90					690
19/11/2021	3	09:00:00	12:00:00	Nil Sightings											
19/11/2021	3	12:30:00	15:30:00	Raven_RN	1	02:38:00	On	10							10
19/11/2021	3	12:30:00	15:30:00	Raven_RN	1	15:05:00	On		40						40
01/11/2021	4	08:30:00	11:30:00	Nil Sightings											
01/11/2021	4	11:30:00	14:30:00	Hen Harrier_HH	1	11:40:00	On	10	40						50
01/11/2021	4	11:30:00	14:30:00	Kestrel_K.	1	11:50:00	On		75						75
01/11/2021	4	11:30:00	14:30:00	Raven_RN	1	12:55:00	On			40					40
01/11/2021	4	11:30:00	14:30:00	Kestrel_K.	1	13:25:00	On		35						35
02/11/2021	5	08:20:00	11:20:00	Raven_RN	2	08:40:00	On				35				35
02/11/2021	5	08:20:00	11:20:00	Raven_RN	1	09:05:00	On			25					25
02/11/2021	5	08:20:00	11:20:00	Raven_RN	2	09:35:00	On				25				25
02/11/2021	5	11:20:00	14:20:00	Raven_RN	2	13:50:00	On			20					20
10/11/2021	6	08:40:00	11:40:00	Nil Sightings											
10/11/2021	6	11:40:00	14:40:00	Raven_RN	1	11:50:00				65					65



Date	VP Name	Start Time	End Time	Species	Number	Time of sighting	On/Off Site	<10 m	10-20m	20-30m	30-40m	40-50m	50-160 m	>160 m	Total Duration (s)
10/11/2021	6	11:40:00	14:40:00	Snipe_SN	1	12:10:00		15							15
10/11/2021	6	11:40:00	14:40:00	Kestrel_K.	1	12:30:00				80					80
10/11/2021	6	11:40:00	14:40:00	Kestrel_K.	1	12:55:00							310		310
10/11/2021	6	11:40:00	14:40:00	Kestrel_K.	1	13:10:00					70				70
10/11/2021	6	11:40:00	14:40:00	Grey Heron_H.	1	13:15:00						80			80
10/11/2021	6	11:40:00	14:40:00	Kestrel_K.	1	14:05:00				180	180				360
10/11/2021	6	11:40:00	14:40:00	Kestrel_K.	2	14:15:00			130						10
05/11/2021	7	08:20:00	11:20:00	Nil Sightings											
05/11/2021	7	11:20:00	14:20:00	Merlin_ML	1	12:30:00	On	15							5
05/11/2021	7	11:20:00	14:20:00	Kestrel_K.	1	12:50:00	On		220						220
05/11/2021	7	11:20:00	14:20:00	Snipe_SN	9	13:50:00	On	5	5	5	5	50			70
31/01/2022	1	09:55:00	15:55:00	Raven_RN	1	10:46:00	On						20		20
31/01/2022	1	09:55:00	15:55:00	Raven_RN	2	11:08:00	On					30			30
31/01/2022	1	09:55:00	15:55:00	Raven_RN	2	14:32:00	On				10				10
19/11/2021	2	09:47:00	12:47:00	Raven_RN	2	12:39:00	Off/On	30	10	20					60



Date	VP Name	Start Time	End Time	Species	Number	Time of sighting	On/Off Site	<10 m	10-20m	20-30m	30-40m	40-50m	50-160 m	>160 m	Total Duration (s)
19/11/2021	2	12:47:00	15:47:00	Nil Sightings											
02/11/2021	3	08:30:00	11:30:00	Raven_RN	1	09:51:00	Off			30					30
02/11/2021	3	11:30:00	14:30:00	Raven_RN	2	11:42:00	Off					60			60
02/11/2021	3	11:30:00	14:30:00	Kestrel_K.	1	12:08:00	Off			100				20	120
02/11/2021	3	11:30:00	14:30:00	Kestrel_K.	1	12:14:00	Off					200			200
12/11/2021	4	08:48:00	11:48:00	Raven_RN	2	11:20:00	Off/On			60					60
12/11/2021	4	11:48:00	14:48:00	Raven_RN	2	12:36:00	Off/On			60					60
12/11/2021	4	11:48:00	14:48:00	Raven_RN	1	13:58:00	Off/On				120				120
15/12/2021	5	09:15:00	15:15:00	Raven_RN	2	09:58:00	On					10			10
15/12/2021	5	09:15:00	15:15:00	Raven_RN	1	10:14:00	Off				55				55
15/12/2021	5	09:15:00	15:15:00	Raven_RN	1	11:39:00	Off		20						20
15/12/2021	5	09:15:00	15:15:00	Sparrowhawk_SH	1	11:52:00	Off	20							20
15/12/2021	5	09:15:00	15:15:00	Kestrel_K.	1	12:36:00	Off			18					18
15/12/2021	5	09:15:00	15:15:00	Raven_RN	1	12:48:00	On					60			60
15/12/2021	5	09:15:00	15:15:00	Raven_RN	3	14:13:00	Off					120			120



Date	VP Name	Start Time	End Time	Species	Number	Time of sighting	On/Off Site	<10 m	10-20m	20-30m	30-40m	40-50m	50-160 m	>160 m	Total Duration (s)
02/12/2021	4	08:45:00	11:45:00	Kestrel_K.	1	10:11:00	On/off				30				30
02/12/2021	4	11:45:00	14:45:00	Kestrel_K.	1	11:45:00	On				25				25
02/12/2021	4	11:45:00	14:45:00	Kestrel_K.	1	13:03:00	On/off					60			60
02/12/2021	4	11:45:00	14:45:00	Kestrel_K.	1	14:12:00	Off/On				20				20
08/02/2022	5	9:00:00	15:00:00	Nil Sightings											
03/02/2022	6	08:45:00	14:45:00	Nil Sightings											
03/12/2021	7	09:00:00	12:00:00	Kestrel_K.	15	11:26:00	Off		15						15
03/12/2021	7	12:00:00	15:00:00	Raven_RN	20	14:32:00	On/off			20					20
11/02/2022	1	09:17:00	15:17:00	Raven_RN	1	10:20:00	On		20						20
11/02/2022	1	09:17:00	15:17:00	Raven_RN	2	12:01:00	On			5					5
28/01/2022	2	10:00:00	16:00:00	Nil Sightings											
31/01/2022	3	09:10:00	12:10:00	Raven_RN	1	10:23:00	Off		15						15
31/01/2022	3	12:10:00	15:10:00	Raven_RN	2	13:08:00	Off		20						20
07/02/2022	4	11:30:00	17:30:00	Buzzard_BZ	1	12:10:00	On		40	200					240
07/02/2022	4	11:30:00	17:30:00	Buzzard_BZ	2	12:15:00	On		60						60

Date	VP Name	Start Time	End Time	Species	Number	Time of sighting	On/Off Site	<10 m	10-20m	20-30m	30-40m	40-50m	50-160 m	>160 m	Total Duration (s)
07/02/2022	4	11:30:00	17:30:00	Buzzard_BZ	2	12:40:00	Off					120			120
07/02/2022	4	11:30:00	17:30:00	Raven_RN	1	13:20:00	Off			20					20
07/02/2022	4	11:30:00	17:30:00	Buzzard_BZ	2	14:34:00	On/off			10	10	20	200		240
07/02/2022	4	11:30:00	17:30:00	Buzzard_BZ	1	15:29:00	On	20	10	20	10	10	50		120
17/02/2022	5	09:20:00	15:20:00	Nil Sightings											
10/02/2022	6	09:20:00	15:20:00	Raven_RN	1	10:41:00	Off			5					5
10/02/2022	6	09:20:00	15:20:00	Raven_RN	1	10:45:00	Off					10			10
10/02/2022	6	09:20:00	15:20:00	Raven_RN	1	12:46:00	Off					30			30
10/02/2022	6	09:20:00	15:20:00	Sparrowhawk_SH	1	13:48:00	Off						30	90	120
07/02/2022	7	09:50:00	15:50:00	Raven_RN	2	13:02:00	On	14	22						36
07/02/2022	7	09:50:00	15:50:00	Raven_RN	3	15:26:00	On		25						25
14/03/2022	1	09:30:00	15:30:00	Nil Sightings											
21/02/2022	2	09:40:00	17:10:00	Kestrel_K.	1	10:40:00	Off			30	160				180
21/02/2022	2	09:40:00	17:10:00	Hen Harrier_HH	1	11:33:00	On/off		70						70
15/02/2022	3	10:50:00	16:50:00	Raven_RN	1	13:53:00	On		10	30					40



Date	VP Name	Start Time	End Time	Species	Number	Time of sighting	On/Off Site	<10 m	10-20m	20-30m	30-40m	40-50m	50-160 m	>160 m	Total Duration (s)
07/02/2022	4	11:30:00	17:30:00	Buzzard_BZ	1	12:10:00	On/off		40	200					240
07/02/2022	4	11:30:00	17:30:00	Buzzard_BZ	2	12:15:00	On		60						60
07/02/2022	4	11:30:00	17:30:00	Buzzard_BZ	2	12:40:00	On/off					120			120
07/02/2022	4	11:30:00	17:30:00	Raven_RN	1	13:20:00	Off			20					20
07/02/2022	4	11:30:00	17:30:00	Buzzard_BZ	2	14:34:00	On/off			10	10	20	200		240
07/02/2022	4	11:30:00	17:30:00	Buzzard_BZ	1	15:29:00	On	20	10	20	10	10	50		120
09/03/2022	5	09:45:00	16:15:00	Mallard_MA	1	12:09:00		10							10
09/03/2022	5	09:45:00	16:15:00	Mallard_MA	2	12:25:00			20						20
09/03/2022	5	09:45:00	16:15:00	Hen Harrier_HH	2	14:10:00			20	10					30
10/03/2022	6	09:15:00	15:45:00	Kestrel_K.	1	10:06:00		30	30	180	60				300
10/03/2022	6	09:15:00	15:45:00	Kestrel_K.	1	10:30:00			120						120
10/03/2022	6	09:15:00	15:45:00	Kestrel_K.	1	11:20:00		120							120
10/03/2022	6	09:15:00	15:45:00	Sparrowhawk_SH	1	12:10:00		10							10
10/03/2022	6	09:15:00	15:45:00	Kestrel_K.	1	13:36:00		45	20	35					100
10/03/2022	6	09:15:00	15:45:00	Kestrel_K.	1	13:55:00				50					50

Date	VP Name	Start Time	End Time	Species	Number	Time of sighting	On/Off Site	<10 m	10-20m	20-30m	30-40m	40-50m	50-160 m	>160 m	Total Duration (s)
30/03/2022	7	08:38:00	14:38:00	Buzzard_BZ	1	08:50:00						100			100
30/03/2022	7	08:38:00	14:38:00	Raven_RN	4	10:02:00				80					80
30/03/2022	7	08:38:00	14:38:00	Buzzard_BZ	1	10:40:00					50				50
30/03/2022	7	08:38:00	14:38:00	Kestrel_K.	1	13:13:00					120				120
30/03/2022	7	08:38:00	14:38:00	Hen Harrier_HH	1	14:20:00					50				50
25/03/2022	1	9:30:00	16:00:00	Buzzard_BZ	2	11:17:00							360		360
25/03/2022	1	9:30:00	16:00:00	Grey Heron_H.	1	12:06:00						10	10		20
25/03/2022	1	9:30:00	16:00:00	Hen Harrier_HH	1	12:35:00				90					90
25/03/2022	1	9:30:00	16:00:00	Buzzard_BZ	1	13:20:00					60	30	30		120
25/03/2022	1	9:30:00	16:00:00	Hen Harrier_HH	1	14:12:00		10							10
07/03/2022	2	09:47:00	12:47:00	Raven_RN	1	10:16:00	On			60					60
07/03/2022	2	12:47:00	15:47:00	Nil Sightings											
04/03/2022	3	09:17:00	12:17:00	Nil Sightings											
04/03/2022	3	12:17:00	15:17:00	Kestrel_K.	1	12:34:00	On	80	100						180
04/03/2022	3	12:17:00	15:17:00	Raven_RN	4	12:46:00	Off/On			80					80



Date	VP Name	Start Time	End Time	Species	Number	Time of sighting	On/Off Site	<10m	10-20m	20-30m	30-40m	40-50m	50-160m	>160m	Total Duration (s)
04/03/2022	3	12:17:00	15:17:00	Raven_RN	1	13:49:00	Off/On		40						40
11/03/2022	4	09:30:00	12:30:00	Nil Sightings											
11/03/2022	4	12:30:00	15:30:00	Buzzard_BZ	1	15:02:00	On/off						240		240
28/03/2022	5	9:15:00	15:45:00	Hen Harrier_HH	1	10:13:00		30							30
28/03/2022	5	9:15:00	15:45:00	Buzzard_BZ	2	11:49:00							60	180	240
28/03/2022	5	9:15:00	15:45:00	Grey Heron_H.	1	11:49:00		20							20
28/03/2022	5	9:15:00	15:45:00	Buzzard_BZ	2	12:59:00							60		60
28/03/2022	5	9:15:00	15:45:00	Kestrel_K.	1	13:14:00		10	35						45
28/03/2022	5	9:15:00	15:45:00	Kestrel_K.	1	15:10:00			60	300					360
24/03/2022	6	09:00:00	15:30:00	Mallard_MA	1	10:24:00		10							10
11/03/2022	7	09:30:00	16:00:00	Kestrel_K.	1	12:00:00		10							10
11/03/2022	7	09:30:00	16:00:00	Grey Heron_H.	1	13:36:00							35		35
11/03/2022	7	09:30:00	16:00:00	Hen Harrier_HH	2	14:20:00				50	20	20	90		180



Table 8- 5: Winter 2021/22 VP Species Observation Counts

Species	Oct	Nov	Dec	Jan	Feb	March	Total
Buzzard	-	1	2	8	10	8	29
Grey Heron	1	-	-	-	-	3	4
Hen Harrier	2	1	-	-	4	5	12
Kestrel	17	5	19	-	7	4	52
Mallard	-	-	-	-	3	1	4
Merlin	1	-	-	-	-	-	1
Raven	15	25	27	15	6	6	94
Sparrowhawk	-	1	-	1	1	-	3
Snipe	10	-	-	-	-	-	10
White-Tailed Eagle	4	-	-	-	-	-	4



Table 8- 6: Breeding 2022 VP Species and Height Band

Date	VP Name	Start Time	End Time	Species	Number	Time of sighting	On/Off Site	<10m	10-20m	20-30m	30-40m	40-50m	50-160m	>160m	Total Duration (s)
28/04/2022	1	08:33:00	14:33:00	Kestrel_K.	1	09:21:00	Off	10	20						30
28/04/2022	1	08:33:00	14:33:00	Kestrel_K.	1	09:45:00	Off	20	10						30
28/04/2022	1	08:33:00	14:33:00	Kestrel_K.	1	10:01:00	Off	20							20
28/04/2022	1	08:33:00	14:33:00	Raven_RN	4	10:34:00	Off				125				125
28/04/2022	1	08:33:00	14:33:00	Kestrel_K.	1	12:05:00	Off		40						40
28/04/2022	1	08:33:00	14:33:00	Kestrel_K.	1	12:45:00	Off	30	30						60
07/04/2022	2	10:20:00	16:20:00	Kestrel_K.	1	11:06:00	On					10			10
07/04/2022	2	10:20:00	16:20:00	Kestrel_K.	1	11:19:00	On						5		5
07/04/2022	2	10:20:00	16:20:00	Kestrel_K.	1	11:30:00	Off/On					60			60
07/04/2022	2	10:20:00	16:20:00	Kestrel_K.	1	11:36:00	Off/On					60	300		360
07/04/2022	2	10:20:00	16:20:00	Kestrel_K.	1	11:45:00	On					20	100		120
07/04/2022	2	10:20:00	16:20:00	Kestrel_K.	1	11:49:00	On					60			60
07/04/2022	2	10:20:00	16:20:00	Kestrel_K.	2	11:54:00	On/Off				20				20
07/04/2022	2	10:20:00	16:20:00	Kestrel_K.	1	12:30:00	On				10				10
07/04/2022	2	10:20:00	16:20:00	Buzzard_BZ	2	15:45:00	On			15					15
07/04/2022	2	10:20:00	16:20:00	Buzzard_BZ	1	15:54:00	On						10		10
12/04/2022	3	10:40:00	17:10:00	Hen Harrier_HH	1	12:25:00	On		15						15
22/04/2022	4	08:36:00	14:36:00	Buzzard_BZ	2	08:59:00	On					40			40
22/04/2022	4	08:36:00	14:36:00	Grey Heron_H.	1	09:14:00	On						20		30
22/04/2022	4	08:36:00	14:36:00	Mallard_MA	2	09:37:00	On					30	30		60
22/04/2022	4	08:36:00	14:36:00	Buzzard_BZ	1	09:45:00	On				100	100			200
22/04/2022	4	08:36:00	14:36:00	Buzzard_BZ	2	10:37:00	On					300	300		600
22/04/2022	4	08:36:00	14:36:00	Buzzard_BZ	1	11:22:00	On			50	20				70
22/04/2022	4	08:36:00	14:36:00	Grey Heron_H.	1	11:39:00	On			40	40	10			90



Date	VP Name	Start Time	End Time	Species	Number	Time of sighting	On/Off Site	<10m	10-20m	20-30m	30-40m	40-50m	50-160m	>160m	Total Duration (s)
22/04/2022	4	08:36:00	14:36:00	Hen Harrier_HH	1	14:02:00	On				70				70
19/04/2022	5	10:10:00	16:20:00	Mallard_MA	3	10:26:00	-						74		74
19/04/2022	5	10:10:00	16:20:00	Buzzard_BZ	1	11:24:00	-						43		43
19/04/2022	5	10:10:00	16:20:00	Mallard_MA	1	11:44:00	-						30		30
19/04/2022	5	10:10:00	16:20:00	Peregrine_PE	1	14:25:00	-								69
19/04/2022	5	10:10:00	16:20:00	Raven_RN	1	14:27:00	-		20						20
19/04/2022	5	10:10:00	16:20:00	Peregrine_PE	1	14:40:00	-								130
19/04/2022	5	10:10:00	16:20:00	Raven_RN	1	14:43:00	-								40
25/04/2022	6	09:48:00	15:48:00	Kestrel_K.	1	10:59:00	-			180					180
25/04/2022	6	09:48:00	15:48:00	Kestrel_K.	1	11:06:00	-			30					30
25/04/2022	6	09:48:00	15:48:00	Kestrel_K.	1	11:08:00	-		80						80
25/04/2022	6	09:48:00	15:48:00	Kestrel_K.	1	11:10:00	-		40						40
25/04/2022	6	09:48:00	15:48:00	Kestrel_K.	1	11:11:00	-		35						35
25/04/2022	6	09:48:00	15:48:00	Buzzard_BZ	1	11:12:00	-		70						70
25/04/2022	6	09:48:00	15:48:00	Kestrel_K.	1	11:23:00	-		40						40
25/04/2022	6	09:48:00	15:48:00	Raven_RN	2	11:24:00	-		25						25
25/04/2022	6	09:48:00	15:48:00	Kestrel_K.	1	11:50:00	-		30						30
25/04/2022	6	09:48:00	15:48:00	Buzzard_BZ	1	11:51:00	-			20					20
25/04/2022	6	09:48:00	15:48:00	Buzzard_BZ	1	11:57:00	-			20					20
25/04/2022	6	09:48:00	15:48:00	Kestrel_K.	1	12:21:00	-		20						20
25/04/2022	6	09:48:00	15:48:00	Kestrel_K.	1	12:45:00	-		35	10					45
25/04/2022	6	09:48:00	15:48:00	Hen Harrier_HH	1	13:06:00	-	10	20						30
25/04/2022	6	09:48:00	15:48:00	Kestrel_K.	2	13:18:00	-			15					15
25/04/2022	6	09:48:00	15:48:00	Kestrel_K.	1	14:04:00	-		30						30
25/04/2022	6	09:48:00	15:48:00	Kestrel_K.	1	14:11:00	-			15		20			35
08/04/2022	7	10:30:00	17:15:00	Raven_RN	1	10:57:00	-		190						190



Date	VP Name	Start Time	End Time	Species	Number	Time of sighting	On/Off Site	<10m	10-20m	20-30m	30-40m	40-50m	50-160m	>160m	Total Duration (s)
08/04/2022	7	10:30:00	17:15:00	Raven_RN	1	11:05:00	-			40					40
08/04/2022	7	10:30:00	17:15:00	Buzzard_BZ	1	12:00:00	-			45					45
08/04/2022	7	10:30:00	17:15:00	Buzzard_BZ	1	12:06:00	-	10	10	100					120
08/04/2022	7	10:30:00	17:15:00	Buzzard_BZ	1	12:45:00	-			35					35
08/04/2022	7	10:30:00	17:15:00	Merlin_ML	1	13:19:00	-		40						40
08/04/2022	7	10:30:00	17:15:00	Buzzard_BZ	1	15:18:00	-	20							20
08/04/2022	7	10:30:00	17:15:00	Grey Heron_H.	1	15:35:00	-		30						30
08/04/2022	7	10:30:00	17:15:00	Buzzard_BZ	1	15:40:00	-	15							15
26/04/2022	8	09:48:00	15:48:00	Peregrine_PE	1	10:55:00	-	5	5	10	30				50
26/04/2022	8	09:48:00	15:48:00	Kestrel_K.	1	11:05:00	-			52					52
26/04/2022	8	09:48:00	15:48:00	Kestrel_K.	1	12:29:00	-	5	45	20					70
26/04/2022	8	09:48:00	15:48:00	Buzzard_BZ	1	12:59:00	-					50	90		140
26/04/2022	8	09:48:00	15:48:00	Raven_RN	1	13:03:00	-				30				30
26/04/2022	8	09:48:00	15:48:00	Lesser Black-backed Gull_LB	1	14:37:00	-					123			123
26/04/2022	8	09:48:00	15:48:00	Kestrel_K.	1	15:03:00	-			65	20	10			95
29/04/2022	9	08:32:00	14:32:00	Raven_RN	6	10:20:00	Off/On		40	50					90
29/04/2022	9	08:32:00	14:32:00	Raven_RN	1	11:02:00	Off			90					90
13/04/2022	10	09:45:00	16:45:00	Nil Sightings	0	-	-	-	-	-	-	-	-	-	-
05/04/2022	11	10:10:00	16:10:00	Buzzard_Bz	1	11:09:00	Off/on					15	15		30
05/04/2022	11	10:10:00	16:10:00	Kestrel_K.	1	12:03:00	Off	105							105
05/04/2022	11	10:10:00	16:10:00	Kestrel_K.	1	12:11:00	Off		50	10					60
05/04/2022	11	10:10:00	16:10:00	Kestrel_K.	1	12:23:00	On/off					10	20	30	60
05/04/2022	11	10:10:00	16:10:00	Kestrel_K.	1	12:36:00	On							100	100
05/04/2022	11	10:10:00	16:10:00	Kestrel_K.	1	12:39:00	Off	20	100						120
05/04/2022	11	10:10:00	16:10:00	Kestrel_K.	1	15:25:00	Off	10	20				90		120



Date	VP Name	Start Time	End Time	Species	Number	Time of sighting	On/Off Site	<10m	10-20m	20-30m	30-40m	40-50m	50-160m	>160m	Total Duration (s)
13/05/2022	1	08:25:00	14:25:00	Kestrel_K.	1	08:32:00	Off		30	30					60
13/05/2022	1	08:25:00	14:25:00	Kestrel_K.	1	08:40:00	Off	10							10
13/05/2022	1	08:25:00	14:25:00	Kestrel_K.	1	08:55:00	Off	5	5						10
13/05/2022	1	08:25:00	14:25:00	Kestrel_K.	1	09:22:00	Off			30					30
24/05/2022	2	08:50:00	15:00:00	Nil Sightings	0	-	-	-	-	-	-	-	-	-	-
07/06/2022	3	13:12:00	16:12:00	Hen Harrier_HH	1	13:25:00	On		30	30					60
07/06/2022	3	13:12:00	16:12:00	Hen Harrier_HH	1	13:42:00	On		60	60	60				180
07/06/2022	3	13:12:00	16:12:00	Hen Harrier_HH	1	13:51:00	On		30						30
07/06/2022	3	13:12:00	16:12:00	Hen Harrier_HH	1	14:02:00	On		1000	500					1500
07/06/2022	3	13:12:00	16:12:00	Buzzard_BZ	2	14:35:00	On			40					40
07/06/2022	3	13:12:00	16:12:00	Hen Harrier_HH	1	15:01:00	On		1200						1200
07/06/2022	3	13:12:00	16:12:00	Hen Harrier_HH	1	15:46:00	On		900						900
06/05/2022	3	08:36:00	11:36:00	Nil Sightings	0	-	-	-	-	-	-	-	-	-	-
20/05/2022	4	08:15:00	14:15:00	Buzzard_BZ	2	12:45:00	On					100	20	120	120
20/05/2022	4	08:15:00	14:15:00	Raven_RN	1	13:30:00	On				60			60	60
02/06/2022	5	16:37:00	22:37:00	Nil Sightings	-	-	-	-	-	-	-	-	-	-	-
18/05/2022	6	13:00:00	19:30:00	Nil Sightings	-	-	-	-	-	-	-	-	-	-	-
27/05/2022	7	08:15:00	14:15:00	Buzzard_BZ	2	08:45:00	On				50	150	100		300
27/05/2022	7	08:15:00	14:15:00	Buzzard_BZ	1	08:57:00	On					90			90
27/05/2022	7	08:15:00	14:15:00	Sparrowhawk_SH	1	09:40:00	On/off				50	50			100
27/05/2022	7	08:15:00	14:15:00	Raven_RN	4	11:26:00	On/off				60				60
27/05/2022	7	08:15:00	14:15:00	Buzzard_BZ	2	12:19:00	On/off				300	300			600
27/05/2022	7	08:15:00	14:15:00	Kestrel_K.	1	14:02:00	On	10	10	40					60
12/05/2022	8	09:21:00	15:51:00	Kestrel_K.	1	11:00:00	On		20	60					80
12/05/2022	8	09:21:00	15:51:00	Raven_RN	1	12:11:00	On		10						10
12/05/2022	8	09:21:00	15:51:00	Kestrel_K.	1	12:13:00	On	1	10	60					71



Date	VP Name	Start Time	End Time	Species	Number	Time of sighting	On/Off Site	<10m	10-20m	20-30m	30-40m	40-50m	50-160m	>160m	Total Duration (s)
12/05/2022	8	09:21:00	15:51:00	Kestrel_K.	1	12:15:00	On		10						10
12/05/2022	8	09:21:00	15:51:00	Kestrel_K.	1	13:20:00	On		10	30					40
12/05/2022	8	09:21:00	15:51:00	Kestrel_K.	1	14:09:00	ON			65					65
12/05/2022	8	09:21:00	15:51:00	Raven_RN	1	14:37:00	On			30					30
12/05/2022	8	09:21:00	15:51:00	Kestrel_K.	1	14:46:00	On		20	60					80
12/05/2022	8	09:21:00	15:51:00	Kestrel_K.	1	15:36:00	On		10	50					60
23/05/2022	9	08:33:00	14:33:00	Raven_RN	1	10:04:00	Off/On		40	20	60				120
23/05/2022	9	08:33:00	14:33:00	Raven_RN	2	11:29:00	On/off			60					60
23/05/2022	10	09:45:00	16:00:00	Nil Sightings	-	-	-	-	-	-	-	-	-	-	-
30/05/2022	11	08:32:00	14:32:00	Kestrel_K.	1	08:48:00	Off/On	20	100	20	60				200
30/05/2022	11	08:32:00	14:32:00	Kestrel_K.	1	09:32:00	On	30	10	20					60
30/05/2022	11	08:32:00	14:32:00	Buzzard_BZ	4	09:56:00	On/off					300	300		600
30/05/2022	11	08:32:00	14:32:00	Kestrel_K.	1	11:09:00	On	40	60	20					120
30/05/2022	11	08:32:00	14:32:00	Mallard_MA	2	14:05:00	Off/On				60				60
30/05/2022	11	08:32:00	14:32:00	Grey Heron_H.	1	14:16:00	On/off						100		100
10/06/2022	1	08:16:00	14:16:00	Raven_RN	3	10:36:00	Off/On				50	50			100
10/06/2022	1	08:16:00	14:16:00	Kestrel_K.	1	12:02:00	Off	25	80	50	50				205
10/06/2022	1	08:16:00	14:16:00	Kestrel_K.	1	12:29:00	Off	10	50	50					110
29/06/2022	2	15:40:00	18:40:00	Kestrel_K.	1	16:31:00	Off		165						165
29/06/2022	2	15:40:00	18:40:00	Kestrel_K.	1	17:01:00	Off	22	90						112
29/06/2022	2	15:40:00	18:40:00	Kestrel_K.	2	17:17:00	Off			85	115	25			225
29/06/2022	2	15:40:00	18:40:00	Kestrel_K.	3	18:01:00	Off			120	130				250
29/06/2022	2	15:40:00	18:40:00	Kestrel_K.	1	18:19:00	Off			100	100	155			355
29/06/2022	2	15:40:00	18:40:00	Kestrel_K.	1	18:30:00	Off			200	50	310	50		610
29/06/2022	2	18:40:00	21:40:00	Kestrel_K.	1	19:05:00	Off		125	150	150	100			525
29/06/2022	2	18:40:00	21:40:00	Kestrel_K.	1	19:45:00	Off		150	75					225



Date	VP Name	Start Time	End Time	Species	Number	Time of sighting	On/Off Site	<10m	10-20m	20-30m	30-40m	40-50m	50-160m	>160m	Total Duration (s)
03/06/2022	3	15:09:00	21:09:00	Nil Sightings	-	-	-	-	-	-	-	-	-	-	-
24/05/2022	4	06:48:00	09:48:00	Nil Sightings	-	-	-	-	-	-	-	-	-	-	-
09/06/2022	5	12:32:00	19:02:00	Hen Harrier_HH	1	12:40:00	On/off	30	10						40
09/06/2022	5	12:32:00	19:02:00	Hen Harrier_HH	1	12:58:00	On/off	35							35
09/06/2022	5	12:32:00	19:02:00	Cuckoo_CK	1	13:47:00	Off/On	20							20
09/06/2022	5	12:32:00	19:02:00	Hen Harrier_HH	1	13:56:00	Off/On	25	5						30
09/06/2022	5	12:32:00	19:02:00	Hen Harrier_HH	1	14:02:00	Off/On	130	20						150
09/06/2022	5	12:32:00	19:02:00	Hen Harrier_HH	1	14:14:00	On/off	15	5						20
09/06/2022	5	12:32:00	19:02:00	Hen Harrier_HH	1	14:15:00	On/off	50	10						60
09/06/2022	5	12:32:00	19:02:00	Hen Harrier_HH	1	15:04:00	Off/On	45	5						50
09/06/2022	5	12:32:00	19:02:00	Hen Harrier_HH	1	16:31:00	On	55	5						60
02/06/2022	6	16:30:00	22:30:00	Nil Sightings	-	-	-	-	-	-	-	-	-	-	-
17/06/2022	7	08:28:00	14:28:00	Mallard_MA	2	08:55:00	On/off				30	40			70
17/06/2022	7	08:28:00	14:28:00	Buzzard_BZ	1	10:04:00	On/off					100	80		180
17/06/2022	7	08:28:00	14:28:00	Raven_RN	1	10:19:00	On				60				60
17/06/2022	7	08:28:00	14:28:00	Buzzard_BZ	2	13:33:00	On/off					150	150		300
17/06/2022	7	08:28:00	14:28:00	Raven_RN	4	14:15:00	On/off			60	60				120
08/06/2022	8	09:30:00	12:30:00	Kestrel_K.	1	09:34:00	On		20						20
08/06/2022	8	09:30:00	12:30:00	Kestrel_K.	1	10:36:00	On		20	60					80
08/06/2022	8	09:30:00	12:30:00	Raven_RN	4	10:38:00	On			60					60
08/06/2022	8	09:30:00	12:30:00	Kestrel_K.	1	10:45:00	On		20	40					60
08/06/2022	8	09:30:00	12:30:00	Kestrel_K.	1	10:50:00	On	2	5						7
08/06/2022	8	09:30:00	12:30:00	Kestrel_K.	2	10:52:00	On		10						10
08/06/2022	8	09:30:00	12:30:00	Kestrel_K.	1	11:37:00	On		20	70					90
08/06/2022	8	09:30:00	12:30:00	Raven_RN	2	11:59:00	On		20						20
08/06/2022	8	09:30:00	12:30:00	Kestrel_K.	1	13:06:00	On		5						5



Date	VP Name	Start Time	End Time	Species	Number	Time of sighting	On/Off Site	<10m	10-20m	20-30m	30-40m	40-50m	50-160m	>160m	Total Duration (s)
08/06/2022	8	13:00:00	16:00:00	Kestrel_K.	1	13:46:00	On		30	60					90
08/06/2022	8	13:00:00	16:00:00	Kestrel_K.	1	13:50:00	On		20	10					30
08/06/2022	8	13:00:00	16:00:00	Kestrel_K.	1	14:02:00	On		5	30					35
08/06/2022	8	13:00:00	16:00:00	Kestrel_K.	1	14:36:00	On			70					70
08/06/2022	8	13:00:00	16:00:00	Kestrel_K.	1	14:49:00	On		10	30					40
08/06/2022	8	13:00:00	16:00:00	Kestrel_K.	1	15:20:00	On		5	20					25
27/06/2022	9	07:30:00	10:30:00	Lesser Black-backed Gull_LB	32	10:15:00	Off			30	100	80			210
27/06/2022	9	07:30:00	10:30:00	Raven_RN	2	10:18:00	On/off			35					35
27/06/2022	9	10:30:00	13:30:00	Raven_RN	2	12:55:00	On			41					41
15/06/2022	10	11:22:00	17:22:00	Kestrel_K.	1	16:03:00	On		30						30
27/06/2022	11	13:45:00	16:45:00	Kestrel_K.	1	14:05:00	On		55						55
29/06/2022	11	12:25:00	15:25:00	Kestrel_K.	1	14:25:00	On		110	200					310
29/06/2022	11	12:25:00	15:25:00	Lesser Black-backed Gull_LB	2	14:30:00	Off			35					35
29/06/2022	11	12:25:00	15:25:00	Buzzard_BZ	1	14:31:00	On	20	35						55
29/06/2022	11	12:25:00	15:25:00	Kestrel_K.	1	14:35:00	On	135							135
29/06/2022	11	12:25:00	15:25:00	Kestrel_K.	1	14:41:00	On		125						125
29/06/2022	11	12:25:00	15:25:00	Kestrel_K.	1	14:52:00	On	110	200						310
29/06/2022	11	12:25:00	15:25:00	Kestrel_K.	1	15:01:00	On	120	215						355
29/06/2022	11	12:25:00	15:25:00	Kestrel_K.	1	15:15:00	On	110	115						225
22/07/2022	1	12:00:00	18:30:00	Black-headed Gull_BH	4	12:17:00	On	30	10						40
22/07/2022	1	12:00:00	18:30:00	Black-headed Gull_BH	1	13:43:00	Off/On	30							30
22/07/2022	1	12:00:00	18:30:00	Buzzard_BZ	1	14:32:00	On/Off						30	60	90
22/07/2022	1	12:00:00	18:30:00	Black-headed Gull_BH	5	14:56:00	Off/On	60							60



Date	VP Name	Start Time	End Time	Species	Number	Time of sighting	On/Off Site	<10m	10-20m	20-30m	30-40m	40-50m	50-160m	>160m	Total Duration (s)
22/07/2022	1	12:00:00	18:30:00	Lesser Black-backed Gull LB	2	15:38:00	On	20	40						60
22/07/2022	1	12:00:00	18:30:00	Raven_RN	2	15:53:00	On	30	60	50	40				180
22/07/2022	1	12:00:00	18:30:00	Lesser Black-backed Gull LB	1	17:07:00	On	20	10						30
22/07/2022	1	12:00:00	18:30:00	Kestrel_K.	1	17:59:00	On	180	120	60					360
19/07/2022	2	7:20	10:20	Raven_RN	1	7:46	Off					37			37
19/07/2022	2	7:20	10:20	Raven_RN	1	8:09	Off					45			45
19/07/2022	2	7:20	10:20	Raven_RN	1	8:16	Off						30		30
19/07/2022	2	7:20	10:20	Raven_RN	1	8:23	Off						54		54
19/07/2022	2	7:20	10:20	Raven_RN	1	10:10	Off/On						38		38
19/07/2022	2	7:20	10:20	Kestrel_K.	1	10:15	Off					53			57
19/07/2022	2	7:20	10:20	Buzzard_BZ	1	10:18	Off					31			31
19/07/2022	2	10:20	13:20	Raven_RN	1	12:54	Off					73			73
19/07/2022	2	10:20	13:20	Kestrel_K.	1	13:07	-				8				8
15/07/2022	3	8:00	14:30	Sparrowhawk_SH	1	8:40	Off/On	25							25
15/07/2022	3	8:00	14:30	Kestrel_K.	1	13:59	On	20	15						35
22/07/2022	4	12:10	18:40	Hen Harrier_HH	1	13:02	Off/On		15						15
22/07/2022	4	12:10	18:40	Hen Harrier_HH	1	13:02	Off/On		15						15
22/07/2022	4	12:10	18:40	Hen Harrier_HH	1	15:08	Off/On		10						10
22/07/2022	4	12:10	18:40	Raven_RN	1	15:17	Off/On		25						25
22/07/2022	4	12:10	18:40	Kestrel_K.	1	16:15	Off/On	20							20
22/07/2022	4	12:10	18:40	Buzzard_BZ	1	17:35	Off/On	30	5						35
22/07/2022	5	9:10	15:40	Kestrel_K.	1	11:46	On/off	25	25						50
25/07/2022	6	09:45	16:15	Kestrel_K.	1	10:18	On/off	30							30
25/07/2022	6	09:45	16:15	Sparrowhawk_SH	1	15:06	Off/On	15							15
04/07/2022	7	9:55	14:25	Buzzard_BZ	1	13:04	Off/On	20							20



Date	VP Name	Start Time	End Time	Species	Number	Time of sighting	On/Off Site	<10m	10-20m	20-30m	30-40m	40-50m	50-160m	>160m	Total Duration (s)
04/07/2022	7	9:55	14:25	Buzzard_BZ	1	13:07	Off/On	40							40
04/07/2022	7	9:55	14:25	Hen Harrier_HH	1	13:24	Off/On	30	110						140
04/07/2022	7	9:55	14:25	Hen Harrier_HH	1	14:21	Off/On	30							30
21/07/2022	7	12:45	14:45	Buzzard_BZ	1	14:13	Off/On	22							22
11/07/2022	7	10:25	16:30	Grey Heron_H.	1	10:41	-				60				60
11/07/2022	7	10:25	16:30	Raven_RN	2	12:37	-				40				40
11/07/2022	7	10:25	16:30	Raven_RN	1	13:01	-		45						45
11/07/2022	7	10:25	16:30	Lesser Black-backed Gull_LB	1	14:41	-			30					30
11/07/2022	7	10:25	16:30	Kestrel_K.	1	15:23	-		25						25
11/07/2022	7	10:25	16:30	Kestrel_K.	1	16:02	-		30						30
11/07/2022	7	10:25	16:30	Lesser Black-backed Gull_LB	1	16:15	-		20						20
11/07/2022	7	10:25	16:30	Kestrel_K.	1	16:20	-		20						20
22/07/2022	8	10:00	16:00	Raven_RN	1	10:33	-		20						20
22/07/2022	8	10:00	16:00	Kestrel_K.	1	11:02	-					40			40
22/07/2022	8	10:00	16:00	Kestrel_K.	1	11:23	-		30	20	32				82
22/07/2022	8	10:00	16:00	Raven_RN	2	12:12	-		20						20
22/07/2022	8	10:00	16:00	Raven_RN	1	12:25	-							45	45
22/07/2022	8	10:00	16:00	Raven_RN	2	12:28	-						50		50
22/07/2022	8	10:00	16:00	Raven_RN	1	12:55	-					40			40
22/07/2022	8	10:00	16:00	Raven_RN	1	13:57	-				50				50
22/07/2022	8	10:00	16:00	Kestrel_K.	1	15:38	-		67						67
22/07/2022	8	10:00	16:00	Raven_RN	3	15:48	-			40					40
29/07/2022	9	9:06	15:36	Curlew_CU	2	10:51	On	10							10
29/07/2022	9	9:06	15:36	Herring Gull_HG	1	11:06	On	40							40
29/07/2022	9	9:06	15:36	Herring Gull_HG	1	12:10	On	15							15



Date	VP Name	Start Time	End Time	Species	Number	Time of sighting	On/Off Site	<10m	10-20m	20-30m	30-40m	40-50m	50-160m	>160m	Total Duration (s)
29/07/2022	9	9:06	15:36	Buzzard_BZ	1	14:26	On		25	25					50
29/07/2022	9	9:06	15:36	Buzzard_BZ	1	14:37	On	60	180						240
29/07/2022	9	9:06	15:36	Kestrel_K.	1	14:48	On	15							15
29/07/2022	9	9:06	15:36	Kestrel_K.	1	14:53	On	30							30
29/07/2022	9	9:06	15:36	Buzzard_BZ	1	14:59	On	15	20						35
29/07/2022	9	9:06	15:36	Kestrel_K.	1	15:06	On	35	45						80
29/07/2022	10	11:25	17:50	Unidentified Raptor	1	13:53	Off/On	7							7
12/07/2022	11	10:10	16:10	Lesser Black-backed Gull_LB	1	10:49	-			30					30
12/07/2022	11	10:10	16:10	Lesser Black-backed Gull_LB	3	11:31	-						45		45
12/07/2022	11	10:10	16:10	Lesser Black-backed Gull_LB	1	13:37	-	10	20	20					50
12/07/2022	11	10:10	16:10	Buzzard_BZ	1	13:50	-	30							30
12/07/2022	11	10:10	16:10	Buzzard_BZ	1	13:52	-	20							20
12/07/2022	11	10:10	16:10	Buzzard_BZ	2	14:43	-						75		75
05/08/2022	1	09:30:00	16:00:00	Kestrel_K.	1	10:09:00	On	10	10	100					120
05/08/2022	1	09:30:00	16:00:00	Buzzard_BZ	1	11:58:00	On/Off	20	70						90
05/08/2022	1	09:30:00	16:00:00	Buzzard_BZ	1	13:29:00	On	5	5	20					30
05/08/2022	1	09:30:00	16:00:00	Kestrel_K.	1	13:53:00	On	15	10						25
05/08/2022	1	09:30:00	16:00:00	Buzzard_BZ	1	14:01:00	On					210			210
05/08/2022	1	09:30:00	16:00:00	Kestrel_K.	1	14:03:00	On	10	100	40					150
05/08/2022	1	09:30:00	16:00:00	Black-headed Gull_BH	1	14:10:00	Off/On	35							35
05/08/2022	1	09:30:00	16:00:00	Black-headed Gull_BH	1	14:15:00	On/Off	20							20
05/08/2022	1	09:30:00	16:00:00	Buzzard_BZ	1	14:20:00	On	60	60	180	60				360
05/08/2022	1	09:30:00	16:00:00	Buzzard_BZ	1	14:31:00	On/Off	120	100	200					420



Date	VP Name	Start Time	End Time	Species	Number	Time of sighting	On/Off Site	<10m	10-20m	20-30m	30-40m	40-50m	50-160m	>160m	Total Duration (s)
05/08/2022	1	09:30:00	16:00:00	Kestrel_K.	1	14:46:00	On	15	30						45
05/08/2022	1	09:30:00	16:00:00	Kestrel_K.	1	15:15:00	On	20	15	100					135
05/08/2022	1	09:30:00	16:00:00	Buzzard_BZ	1	15:20:00	On/Off	20	60	180					260
11/08/2022	2	09:07:00	15:37:00	Buzzard_BZ	1	11:03:00	On		30	20	70				120
11/08/2022	2	09:07:00	15:37:00	Buzzard_BZ	1	13:34:00	On/Off	25	25						50
26/08/2022	2	09:45:00	12:45:00	Buzzard_BZ	2	11:31:00	-		20	300	60				380
26/08/2022	2	09:45:00	12:45:00	Kestrel_K.	1	11:35:00	On/Off	10	10						20
26/08/2022	2	09:45:00	12:45:00	Buzzard_BZ	1	12:10:00	On/Off				60				60
29/08/2022	3	10:13:00	16:43:00	Kestrel_K.	1	14:26:00	On		20	50	10				80
29/08/2022	3	10:13:00	16:43:00	Kestrel_K.	1	16:31:00	On	11							11
29/08/2022	3	10:13:00	16:43:00	Kestrel_K.	1	16:34:00	On		25						25
12/08/2022	4	07:45:00	14:15:00	Nil Sightings	0	-	-	-	-	-	-	-	-	-	-
18/08/2022	5	06:39:00	13:09:00	Nil Sightings	0	-	-	-	-	-	-	-	-	-	-
23/08/2022	6	09:00:00	15:30:00	Kestrel_K.	2	12:57:00	On	10	60	50					120
26/08/2022	7	06:20:00	09:20:00	Buzzard_BZ	1	08:51:00	Off/On		30	90	45				155
23/09/2022	8	09:20:00	15:50:00	Kestrel_K.	1	10:44:00	On	35	10						45
23/09/2022	8	09:20:00	15:50:00	Kestrel_K.	1	12:47:00	On/off	15							15
23/09/2022	8	09:20:00	15:50:00	Kestrel_K.	1	14:02:00	On	10	80						90
23/09/2022	8	09:20:00	15:50:00	Kestrel_K.	1	14:31:00	On	30	90						120
23/09/2022	8	09:20:00	15:50:00	Kestrel_K.	1	15:32:00	On	15	25						40
29/08/2022	9	14:10:00	20:10:00	Raven_RN	1	14:44:00	Off					31			31
29/08/2022	9	14:10:00	20:10:00	Kestrel_K.	1	14:51:00	On/Off						18		18
29/08/2022	9	14:10:00	20:10:00	Lesser Black-backed Gull_LB	3	15:55:00	Off						91		91
29/08/2022	9	14:10:00	20:10:00	Raven_RN	1	15:58:00	Off						39		39
29/08/2022	9	14:10:00	20:10:00	Lesser Black-backed Gull_LB	1	16:07:00	Off/On						60		60



Date	VP Name	Start Time	End Time	Species	Number	Time of sighting	On/Off Site	<10m	10-20m	20-30m	30-40m	40-50m	50-160m	>160m	Total Duration (s)
29/08/2022	9	14:10:00	20:10:00	Lesser Black-backed Gull LB	2	16:39:00	On/Off						60		60
29/08/2022	9	14:10:00	20:10:00	Raven_RN	1	17:22:00	Off/On					20			20
29/08/2022	9	14:10:00	20:10:00	Raven_RN	1	18:35:00	On						22		22
29/08/2022	9	14:10:00	20:10:00	Raven_RN	1	18:56:00	On						14		14
29/08/2022	9	14:10:00	20:10:00	Raven_RN	1	18:58:00	On						28		28
29/08/2022	9	14:10:00	20:10:00	Kestrel_K.	1	19:00:00	On						27		27
29/08/2022	9	14:10:00	20:10:00	Raven_RN	2	19:43:00	On					6	30		36
22/08/2022	10	11:15:00	17:45:00	Buzzard_BZ	1	16:01:00	Off/On	30							30
01/09/2022	11	10:40:00	13:40:00	Raven_RN	1	11:00:00	Off					11			11
01/09/2022	11	10:40:00	13:40:00	Raven_RN	2	11:55:00	Off						71		71
01/09/2022	11	10:40:00	13:40:00	Raven_RN	1	12:19:00	On					5			5
01/09/2022	11	10:40:00	13:40:00	Lesser Black-backed Gull LB	1	12:53:00	Off	1	1	1	1	32			36
01/09/2022	11	10:40:00	13:40:00	Buzzard_BZ	1	13:31:00	On					10	168		178
01/09/2022	11	10:40:00	13:40:00	Buzzard_BZ	2	13:38:00	Off					20	52		72
01/09/2022	11	12:10:00	15:10:00	Kestrel_K.	1	12:54:00	Off					27			27
01/09/2022	11	12:10:00	15:10:00	Buzzard_BZ	1	13:07:00	Off						102		102
01/09/2022	11	12:10:00	15:10:00	Buzzard_BZ	1	13:58:00	Off						53		53
05/09/2022	1	09:45	16:15	Herring Gull_HG	1	10:23	Off/On		100						100
05/09/2022	1	09:45	16:15	Kestrel_K.	1	11:52	On/Off	15							15
05/09/2022	1	09:45	16:15	Buzzard_BZ	1	15:19	On	30	90	30					150
15/09/2022	2	14:00	17:00	Buzzard_BZ	1	14:09	On		20	20	80				120
15/09/2022	2	14:00	17:00	Kestrel_K.	1	15:18	On	10	50						60
15/09/2022	2	14:00	17:00	Kestrel_K.	1	16:39	On		10						10
12/09/2022	3	06:30	13:00	Buzzard_BZ	1	11:32	On	20	10						30
08/09/2022	4	09:23	15:53	Kestrel_K.	1	14:13	On	15	30	120	75				240



Date	VP Name	Start Time	End Time	Species	Number	Time of sighting	On/Off Site	<10m	10-20m	20-30m	30-40m	40-50m	50-160m	>160m	Total Duration (s)
13/09/2022	5	10:20	16:50	Hen Harrier_HH	1	12:04	On	20	10						30
13/09/2022	5	10:20	16:50	Hen Harrier_HH	1	14:37	On	15	30	120	75				240
14/09/2022	6	06:54	13:24	Kestrel_K.	1	11:17	On/Off		120						120
14/09/2022	6	06:54	13:24	Kestrel_K.	1	12:32	On	35	565	120					720
14/09/2022	6	06:54	13:24	Kestrel_K.	1	12:46	On/Off		180						180
14/09/2022	6	06:54	13:24	Hen Harrier_HH	1	13:01	On	120							120
09/09/2022	7	07:38	14:08	Sparrowhawk_SH	1	09:46	On	25	5						30
09/09/2022	7	07:38	14:08	Kestrel_K.	1	13:28	On/Off		5	20					25
15/09/2022	7	10:30	13:30	Buzzard_BZ	2	12:14	On/Off			30	30				60
01/09/2022	8	10:50	17:20	Raven_RN	1	13:19							10	40	50
06/09/2022	9	09:15	15:45	Nil Sightings	-	-	-	-	-	-	-	-	-	-	-
26/08/2022	10	08:57	15:27	Grey Heron_H.	1	11:15	On		20						20
07/09/2022	11	09:10	15:40	Herring Gull_HG	5	11:24	On	30	90	60					180

Table 8- 7: Breeding 2022, VP Species Observation Counts

Species	Apr	May	Jun	Jul	Aug	Sep	Total
Buzzard	20	13	4	13	18	5	73
Grey Heron	3	1		1		1	6
Kestrel	36	15	35	16	19	8	129
Peregrine	3	-	-	-	-	-	3
Raven	18	10	18	23	12	1	82
Sparrowhawk	-	1		2		1	4



Species	Apr	May	Jun	Jul	Aug	Sep	Total
Hen Harrier	3	6	8	5		3	25
Merlin	1	-	-	-	-	-	1
Mallard	6	2	2		-	-	10
Lesser Black-Backed Gull	1		34	10	7		52
Cuckoo	-	-	1		-	-	1
Black-Headed Gull	-	-	-	10	2	-	12
Curlew	-	-	-	2	-		2
Herring Gull	-	-	-	2	-	6	8
Unidentified Raptor	-	-	-	1	-	-	1



Table 8- 8: Winter 2022/23 VP Species and Height Band

Date	VP Name	Start Time	End Time	Species	Number	Time of sighting	On/Off Site	<10m	10-20m	20-30m	30-40m	40-50m	50-160m	>160m	Total Duration (s)
04/10/22	1	12:45:00	15:45:00	Kestrel_K.	1	13:13:00	On		30						30
07/10/22	1	08:40:00	11:40:00	Kestrel_K.	1	10:06:00	On	15	45	60					120
07/10/22	1	08:40:00	11:40:00	Buzzard_BZ	1	10:12:00	On		60	65	40				165
07/10/22	1	08:40:00	11:40:00	Kestrel_K.	1	10:21:00	On		15	45					60
05/10/22	2	12:02:00	16:02:00	Hen Harrier_HH	1	12:36:00	On	15	15						30
05/10/22	2	12:02:00	16:02:00	Kestrel_K.	1	13:17:00	On	15	60	30					105
05/10/22	2	12:02:00	16:02:00	Kestrel_K.	1	13:33:00	On		60						60
05/10/22	2	12:02:00	16:02:00	Sparrowhawk_SH	1	13:37:00	Off/On	30							30
05/10/22	2	12:02:00	16:02:00	Kestrel_K.	1	13:41:00	On	5	15	10					30
05/10/22	2	12:02:00	16:02:00	Kestrel_K.	1	15:10:00	On		30						30
07/10/22	2	12:10:00	14:10:00	Kestrel_K.	1	12:39:00	On/Off	30							30
07/10/22	2	12:10:00	14:10:00	Kestrel_K.	1	13:06:00	On/Off	15							15
07/10/22	2	12:10:00	14:10:00	Kestrel_K.	1	13:17:00	On	15	15						30
07/10/22	2	12:10:00	14:10:00	Kestrel_K.	1	13:57:00	On		30	30					60
06/10/22	3	12:30:00	16:30:00	Nil Sightings	0	-	-	-	-	-	-	-	-	-	-
07/10/22	3	14:35:00	16:35:00	Nil Sightings	0	-	-	-	-	-	-	-	-	-	-
14/10/22	4	09:20:00	12:20:00	Nil Sightings	0	-	-	-	-	-	-	-	-	-	-
14/10/22	4	12:50:00	15:50:00	Kestrel_K.	1	13:28:00	On	15	30						45
14/10/22	4	12:50:00	15:50:00	Kestrel_K.	1	14:01:00	On	30	90	30					150
14/10/22	4	12:50:00	15:50:00	Kestrel_K.	1	14:38:00	On/Off	30	15						45
10/10/22	5	10:30:00	17:00:00	Nil Sightings	0	-	-	-	-	-	-	-	-	-	-
11/10/22	6	10:20:00	13:20:00	Kestrel_K.	1	10:26:00	On	20	40	60					120
11/10/22	6	10:20:00	13:20:00	Golden Plover_GP	10	10:49:00	On	20	20	20					60
11/10/22	6	10:20:00	13:20:00	Golden Plover_GP	1	11:10:00	On/Off			30					30



Date	VP Name	Start Time	End Time	Species	Number	Time of sighting	On/Off Site	<10m	10-20m	20-30m	30-40m	40-50m	50-160m	>160m	Total Duration (s)
11/10/22	6	10:20:00	13:20:00	Kestrel_K.	1	11:18:00	On	30	30						60
11/10/22	6	10:20:00	13:20:00	Snipe_SN	1	11:20:00	On	20							20
11/10/22	6	10:20:00	13:20:00	Golden Plover_GP	20	11:26:00	On	15	60	45					120
11/10/22	6	10:20:00	13:20:00	Golden Plover_GP	30	12:58:00	On/Off			15					15
11/10/22	6	10:20:00	13:20:00	Golden Plover_GP	25	13:03:00	On/Off			15					15
11/10/22	6	10:20:00	13:20:00	Golden Plover_GP	15	13:12:00	On/Off		15						15
11/10/22	6	10:20:00	13:20:00	Golden Plover_GP	30	13:13:00	On		60						60
11/10/22	6	10:20:00	13:20:00	Golden Plover_GP	15	13:16:00	On		10						10
11/10/22	6	13:50:00	16:50:00	Kestrel_K.	1	14:08:00	Off/On	30	120	30					180
11/10/22	6	13:50:00	16:50:00	Kestrel_K.	1	15:41:00	On	15	60	30					105
11/10/22	6	13:50:00	16:50:00	Kestrel_K.	1	16:02:00	On	15	90	15					120
11/10/22	6	13:50:00	16:50:00	Kestrel_K.	1	16:22:00	On	30							30
12/10/22	7	10:20:00	13:20:00	Kestrel_K.	1	11:16:00	On/off		15						15
12/10/22	7	13:50:00	16:50:00	Sparrowhawk_SH	1	15:51:00	On	15							15
13/10/22	8	12:15:00	16:15:00	Kestrel_K.	1	13:31:00	On	60	90						150
13/10/22	8	12:15:00	16:15:00	Kestrel_K.	1	13:41:00	On/Off	15	20						35
13/10/22	8	12:15:00	16:15:00	Kestrel_K.	1	13:54:00	On/Off	10	5						15
13/10/22	8	12:15:00	16:15:00	Buzzard_BZ	1	14:01:00	On	15	30	15					60
13/10/22	8	12:15:00	16:15:00	Kestrel_K.	1	14:07:00	On	45	15						60
13/10/22	8	12:15:00	16:15:00	Kestrel_K.	1	14:12:00	On/Off	30							30
13/10/22	8	12:15:00	16:15:00	Kestrel_K.	1	14:36:00	On/Off	30							30
13/10/22	8	12:15:00	16:15:00	Kestrel_K.	2	14:40:00	On	15							15
13/10/22	8	12:15:00	16:15:00	Kestrel_K.	1	14:54:00	On	45	15						60



Date	VP Name	Start Time	End Time	Species	Number	Time of sighting	On/Off Site	<10m	10-20m	20-30m	30-40m	40-50m	50-160m	>160m	Total Duration (s)
18/10/22	8	10:10:00	12:10:00	Nil Sightings	-	-	-	-	-	-	-	-	-	-	-
07/10/22	9	09:45:00	16:15:00	Buzzard_BZ	1	12:15:00	On	16							16
07/10/22	9	09:45:00	16:15:00	Buzzard_BZ	1	15:12:00	On	8							8
21/10/22	10	11:00:00	14:00:00	Kestrel_K.	1	12:17:00	On	20	220						240
21/10/22	10	11:00:00	14:00:00	Whooper Swan_WS	3	13:25:00	On/Off		180						180
30/11/22	10	09:55:00	12:55:00	Nil Sightings	-	-	-	-	-	-	-	-	-	-	-
11/10/22	11	09:20:00	15:50:00	Nil Sightings	-	-	-	-	-	-	-	-	-	-	-
30/11/22	12	10:08:00	16:38:00	Sparrowhawk_SH	1	11:47:00	On	5							5
11/11/22	1	10:30:00	15:00:00	Nil Sightings											
18/11/22	1	09:00:00	11:00:00	Little Egret_ET	1	09:17:00	On				45				45
18/11/22	1	09:00:00	11:00:00	Mallard_MA	7	10:57:00	On/Off	15							15
03/11/22	2	12:50:00	16:20:00	Kestrel_K.	1	13:34:00	On		30						30
03/11/22	2	12:50:00	16:20:00	Kestrel_K.	1	16:09:00	On		50						50
18/11/22	2	11:20:00	13:20:00	Buzzard_BZ	1	13:03:00	On		30	120	30				180
17/11/22	3	10:10:00	14:10:00	Nil Sightings											
18/11/22	3	1:45:00 pm	3:45:00 pm	Nil Sightings											
09/12/22	4	11:30:00 am	13:30:00 PM	Kestrel_K.	1	12:19	On	60	150						210
07/11/22	4	12:00:00	16:00:00	Nil Sightings											
04/11/22	5	07:00:00	13:30:00	Nil Sightings											
16/11/22	6	09:55:00	12:55:00	Kestrel_K.	1	11:40:00	On/Off		30						30
16/11/22	6	13:25:00	16:25:00	Kestrel_K.	1	16:21:00	On/Off		30						30
04/11/22	7	07:07:00	13:37:00	Lesser Black-backed Gull_LB	1	08:46:00	On	5							5
10/11/22	8	09:30:00	16:00:00	Nil Sightings											
19/12/22	9	10:10:00	13:10:00 PM	Buzzard_BZ	1	12:30:00	On	15	45	60					120



Date	VP Name	Start Time	End Time	Species	Number	Time of sighting	On/Off Site	<10m	10-20m	20-30m	30-40m	40-50m	50-160m	>160m	Total Duration (s)
16/12/22	5	09:30	16:00	Nil Sightings											
30/11/22	6	10:00	13:00	Snipe_SN	4	12:20	On		15	15					30
30/11/22	6	10:00	13:00	Kestrel_K.	1	12:34	On	5	10						15
30/11/22	6	13:30	16:30	Hen Harrier_HH	1	14:08	On	30							30
05/12/22	7	10:00	13:00	Sparrowhawk_SH	1	10:56	On	45	15						60
05/12/22	7	13:30	16:30	Nil Sightings											
07/12/22	8	08:00	14:30	Sparrowhawk_SH	1	12:09	On	15							15
07/12/22	8	08:00	14:30	Sparrowhawk_SH	1	12:19	On/Off	15							15
07/12/22	8	08:00	14:30	Grey Heron_H.	1	13:11	On			120					120
07/12/22	8	08:00	14:30	Sparrowhawk_SH	1	13:22	On/Off	15							15
22/12/22	9	10:00:00	16:00:00	Kestrel_K.	1	10:12:00		6	94						100
22/12/22	9	10:00:00	16:00:00	Buzzard_BZ	1	13:13:00		20							20
21/12/22	10	10:30:00	17:00:00	Nil Sightings											
11/01/23	11	09:51:00	12:51:00	Kestrel_K.	1	10:31:00	On/off	5	25						30
11/01/23	11	09:51:00	12:51:00	Kestrel_K.	1	10:55:00	On			20					20
11/01/23	11	09:51:00	12:51:00	Kestrel_K.	1	11:20:00	On/off		15						15
11/01/23	11	09:51:00	12:51:00	Kestrel_K.	1	11:39:00	On	20	40	30	20				110
11/01/23	11	13:24:00	16:24:00	Buzzard_BZ	1	13:27:00	On			30	40				70
11/01/23	11	13:24:00	16:24:00	Kestrel_K.	1	13:35:00	On/off		10						10
11/01/23	11	13:24:00	16:24:00	Kestrel_K.	1	13:55:00	Off/On	10	10	40	20				80
09/01/23	12	09:32:00	12:32:00	Kestrel_K.	1	09:57:00		15							15
09/01/23	12	13:02:00	16:02:00	Nil Sightings											
03/01/23	1	9:45:00	12:45:00	Buzzard_BZ	1	10:59:00	On	30	30	30					30
03/01/23	1	15:15:00	15:15:00	Nil Sightings											
10/01/23	2	9:30:00	12:30:00	Buzzard_BZ	1	9:55:00		3							3
10/01/23	2	9:30:00	12:30:00	Sparrowhawk_SH	1	10:05:00			10	20					30



Date	VP Name	Start Time	End Time	Species	Number	Time of sighting	On/Off Site	<10m	10-20m	20-30m	30-40m	40-50m	50-160m	>160m	Total Duration (s)
10/01/23	2	9:30:00	12:30:00	Buzzard_BZ	1	10:34:00		3							3
10/01/23	2	9:30:00	12:30:00	Buzzard_BZ	1	11:45:00		2							2
08/02/23	2	13:40:00	16:40:00	Nil Sightings											
04/01/23	3	9:30:00	16:00:00	Nil Sightings											
09/01/23	4	10:20:00	13:20:00	Nil Sightings											
10/01/23	4	9:40:00	12:40:00	Kestrel_K.	1	11:24:00	On/Off	15	15	15					45
13/01/23	5	8:45:00	15:15:00	Raven_RN	1	10:37:00						55	70		125
13/01/23	5	8:45:00	15:15:00	Raven_RN	1	14:36:00		10	20	40	40				110
13/01/23	6	10:40:00	13:40:00	Nil Sightings											
13/01/23	6	14:00:00	16:00:00	Nil Sightings											
21/02/23	6	08:50:00	09:50:00	Raven_RN	1	09:13:00	On		10	20	10				40
21/02/23	6	08:50:00	09:50:00	Buzzard_BZ	2	09:46:00	On/off				10	10	10	30	60
07/02/23	7	10:30:00	13:30:00	Kestrel_K.	1	12:46:00				3					3
07/02/23	7	10:30:00	13:30:00	Kestrel_K.	1	12:47:00					30				30
07/02/23	7	14:00:00	17:00:00	Buzzard_BZ	1	15:32:00					60				60
09/02/23	8	08:30:00	15:00:00	Nil Sightings											
06/01/23	9	9:42:00	12:42:00	Nil Sightings											
06/01/23	9	13:11:00	16:11:00	Kestrel_K.	1	14:13:00	On/off	5	5						10
06/01/23	9	13:11:00	16:11:00	Kestrel_K.	1	15:23:00	On			20	10				30
06/01/23	9	13:11:00	16:11:00	Buzzard_BZ	1	15:31:00	On		20	60	10				90
06/01/23	9	13:11:00	16:11:00	Kestrel_K.	1	15:35:00	On	2	8						10
06/01/23	9	13:11:00	16:11:00	Kestrel_K.	1	16:04:00	On		30	140	10				180
10/01/23	10	9:37:00	12:37:00	Nil Sightings											
22/02/23	10	10:30:00	13:30:00	Raven_RN	1	10:39:00	On				20	20			40
22/02/23	10	10:30:00	13:30:00	Buzzard_BZ	1	11:12:00	On/off		30	60	30				120
22/02/23	10	10:30:00	13:30:00	Raven_RN	2	12:06:00	On			10	30	30	60	50	180



Date	VP Name	Start Time	End Time	Species	Number	Time of sighting	On/Off Site	<10m	10-20m	20-30m	30-40m	40-50m	50-160m	>160m	Total Duration (s)
22/02/23	10	10:30:00	13:30:00	Kestrel_K.	1	13:14:00	On			20	30	250			300
16/03/23	11	10:18	13:18	Buzzard_BZ	2	11:39	On/Off	30	60	210					300
16/03/23	11	10:18	13:18	Buzzard_BZ	2	12:00	On		30	30	60				120
16/03/23	11	10:18	13:18	Buzzard_BZ	2	12:00	On/Off	30	90	30					150
16/03/23	11	13:48	16:48	Buzzard_BZ	2	14:20	On/Off	30	210	60					300
16/03/23	11	13:48	16:48	Buzzard_BZ	1	16:06	On	15	30	45					90
16/03/23	11	13:48	16:48	Buzzard_BZ	2	16:14	On/Off	30	300	30	60				420
12/01/23	12	10:12:00	13:12:00	Nil Sightings											
12/01/23	12	13:50:00	16:50:00	Kestrel_K.	1	13:58:00	On/off			40	20				60
12/01/23	12	13:50:00	16:50:00	Kestrel_K.	1	16:40:00	Off/On			50					50
09/02/23	1	7:34:00	10:34:00	Nil Sightings											
09/02/23	1	11:14:00	14:14:00	Sparrowhawk_SH	1	12:37:00				20					20
09/02/23	1	11:14:00	14:14:00	Sparrowhawk_SH	1	12:41:00				60					60
09/02/23	1	11:14:00	14:14:00	Buzzard_BZ	1	13:00:00							600		600
09/02/23	1	11:14:00	14:14:00	Buzzard_BZ	1	13:34:00							60		60
20/02/23	2	10:30	13:30	Nil Sightings											
21/02/23	2	11:25	14:25	Buzzard_BZ	2	14:03	On			240	60	60			360
22/02/23	3	11:55	14:55	Sparrowhawk_SH	1	13:50	On/Off	15							15
23/02/23	3	12:45	15:45	Nil Sightings											
23/02/23	4	09:30:00	16:00:00	Nil Sightings											
08/02/23	5	10:40:00	17:10:00	Nil Sightings											
07/02/23	6	11:20:00	17:50:00	Nil Sightings											
10/02/23	7	10:20:00	14:20:00	Nil Sightings											
13/03/23	7	13:10	15:40	Hen Harrier_HH	1	15:04	Off/On		30						30
22/02/23	8	12:00:00	18:30:00	Kestrel_K.	1	13:35:00			51	20					71
22/02/23	8	12:00:00	18:30:00	Kestrel_K.	1	13:50:00			54						54



Date	VP Name	Start Time	End Time	Species	Number	Time of sighting	On/Off Site	<10m	10-20m	20-30m	30-40m	40-50m	50-160m	>160m	Total Duration (s)
22/02/23	8	12:00:00	18:30:00	Kestrel_K.	1	14:04:00			118						118
22/02/23	8	12:00:00	18:30:00	Kestrel_K.	1	14:26:00		20	162						182
22/02/23	8	12:00:00	18:30:00	Grey Heron_H.	1	14:40:00			15						15
14/03/23	9	10:40	13:40	Hen Harrier_HH	1	10:46	On/Off	30	30						60
14/03/23	9	10:40	13:40	Kestrel_K.	1	11:22	On	15	120	15					150
14/03/23	9	10:40	13:40	Snipe_SN	6	11:46	On	15	15						30
14/03/23	9	10:40	13:40	Lesser Black-backed Gull_LB	2	11:48	On/Off	15	15	90					120
14/03/23	9	14:10	17:10	Buzzard_BZ	1	14:38	On	30	60	60	30				180
22/02/23	10	13:50:00	16:50:00	Kestrel_K.	1	14:23:00					30	30	60		120
22/02/23	10	13:50:00	16:50:00	Sparrowhawk_SH	1	16:11:00		5							5
22/02/23	10	13:50:00	16:50:00	Buzzard_BZ	1	16:31:00			10	30	10				50
22/02/23	10	13:50:00	16:50:00	Buzzard_BZ	1	16:34:00			10	20	40	20	30		120
22/02/23	10	13:50:00	16:50:00	Great Spotted Woodpecker_GS	1	16:44:00		5	5						10
23/02/23	10	07:40:00	10:40:00	Raven_RN	2	08:31:00	On/off			20	20	20			60
23/02/23	10	07:40:00	10:40:00	Sparrowhawk_SH	1	10:17:00	On	10							10
23/02/23	10	07:40:00	10:40:00	Buzzard_BZ	1	10:32:00	On	20							20
22/03/23	11	08:58:00	15:30:00	Buzzard_BZ	2	09:36:00	Off			60					60
22/03/23	11	08:58:00	15:30:00	Buzzard_BZ	2	09:47:00	Off			120	60				180
22/03/23	11	08:58:00	15:30:00	Buzzard_BZ	1	10:34:00	Off			60					60
28/02/23	12	10:45:00	17:15:00	Nil Sightings											
06/03/23	1	10:15	14:45	Buzzard_BZ	1	11:48	On	30	30						60
06/03/23	1	10:15	14:45	Kestrel_K.	1	14:24	On	30	60	90					180
09/03/23	1	11:20	13:20	Nil Sightings											
07/03/23	2	11:40	16:10	Sparrowhawk_SH	1	12:20	On	20							20
07/03/23	2	11:40	16:10	Buzzard_BZ	2	14:26	On		30	30	240	120			420



Date	VP Name	Start Time	End Time	Species	Number	Time of sighting	On/Off Site	<10m	10-20m	20-30m	30-40m	40-50m	50-160m	>160m	Total Duration (s)
22/03/23	11	08:58:00	15:30:00	Buzzard_BZ	2	09:36:00	Off			60					60
22/03/23	11	08:58:00	15:30:00	Buzzard_BZ	2	09:47:00	Off			120	60				180
22/03/23	11	08:58:00	15:30:00	Buzzard_BZ	1	10:34:00	Off			60					60
21/03/23	12	09:15:00	15:15:00	Nil Sightings											

Table 8- 9: Winter 2022/23 VP Species Count

Species	Oct	Nov	Dec	Jan	Feb	March	Total
Buzzard	4	3	11	20	13	12	63
Dunlin	90	0	0	0	0	0	90
Great Spotted Woodpecker	0	0	0	0	1	0	1
Grey Heron	0	0	1	0	1	0	2
Hen Harrier	0	0	1	0	2	1	4
Jay	0	0	0	0	0	2	2
Kestrel	31	12	13	10	6	10	82
Lesser Black-Backed Gull	0	1	0	0	2	0	3
Little Egret	0	1	0	0	0	0	1
Mallard	0	7	0	0	0	1	8
Raven	0	0	0	6	2	3	11
Ringed Plover	56	0	0	0	0	0	56
Snipe	1	0	4	0	6	0	11



Species	Oct	Nov	Dec	Jan	Feb	March	Total
Sparrowhawk	3	0	7	1	5	3	19
Whooper Swan	3	0	0	0	0	0	3



Table 8- 10: Breeding 2023, VP Species and Height Band

Date	VP Name	Start Time	End Time	Species	Number	Time of sighting	On/Of f Site	<10m	10-20m	20-30m	30-40m	40-50m	50-200m	>200m	Total Duration (s)
03/05/2023	4	12:10	15:10	Hen Harrier_HH	1	12:33	On		8						8
03/05/2023	4	12:10	15:10	Kestrel_K.	1	12:51	On	60	100	300	100	40			600
03/05/2023	4	12:10	15:10	Hen Harrier_HH	1	13:06	On	100							100
03/05/2023	4	12:10	15:10	Kestrel_K.	1	13:35	On	5	5	50	80	120			260
03/05/2023	4	12:10	15:10	Hen Harrier_HH	1	14:00	On	10	40						50
03/05/2023	4	12:10	15:10	Kestrel_K.	1	14:24	On	20	200	280	160				660
03/05/2023	4	12:10	15:10	Kestrel_K.	1	14:45	On	120	80	130					330
03/05/2023	4	15:41	18:41	Kestrel_K.	1	15:45	On	10	330	240	200				780
03/05/2023	4	15:41	18:41	Buzzard_BZ	1	16:34	On			50	20				70
03/05/2023	4	15:41	18:41	Kestrel_K.	1	16:46	On	10	50	90	30				180
03/05/2023	4	15:41	18:41	Kestrel_K.	1	17:07	On	20	30	40	60				150
03/05/2023	4	15:41	18:41	Kestrel_K.	1	17:13	On	40	200	300	200	40			780
03/05/2023	4	15:41	18:41	Hen Harrier_HH	1	17:21	On				5	10			15
03/05/2023	4	15:41	18:41	Hen Harrier_HH	1	17:26	On	45	5						50

Date	VP Name	Start Time	End Time	Species	Number	Time of sighting	On/Of f Site	<10m	10-20m	20-30m	30-40m	40-50m	50-200m	>200m	Total Duration (s)
03/05/2023	4	15:41	18:41	Hen Harrier_HH	1	17:30	On	85	5						90
03/05/2023	4	15:41	18:41	Kestrel_K.	1	17:45	On	5	30	65					100
03/05/2023	4	15:41	18:41	Kestrel_K.	1	18:25	On	50	150	300	150	70			720
23/05/2023	3	08:53	15:23	Nil Sightings	0		-								
23/05/2023	3	08:53	15:23	Raven_RN	1	14:14	Off		20						20
24/05/2023	7	08:59	15:29	Nil Sightings	0		-								
25/05/2023	6	08:52	15:18	Nil Sightings	0	11:24	-	60							60
07/05/2023	VP6	9:10	13:40	Hen Harrier_HH	1	11:44	Off	5							5
07/05/2023	VP6	9:10	13:40	Hen Harrier_HH	1	11:59	Off		10		30	60	20		120
07/05/2023	VP6	9:10	13:40	Kestrel_K.	1	12:58	On/Off	10							10
07/05/2023	VP6	9:10	13:40	Sparrowhawk_SH	1	12:58	On/Off	10							10
07/05/2023	VP6	9:10	13:40	Sparrowhawk_SH	1	13:21	Off	10							10
07/05/2023	VP6	9:10	13:40	Hen Harrier_HH	1	10:30	Off				60	60	60		180
16/05/2023	VP4	14:00	18:30	Raven_RN	2	17:07	On			30					30
16/05/2023	VP4	14:00	18:30	Kestrel_K.	1	17:24	On			30	60	30			120



Date	VP Name	Start Time	End Time	Species	Number	Time of sighting	On/Off Site	<10m	10-20m	20-30m	30-40m	40-50m	50-200m	>200m	Total Duration (s)
02/08/2023	VP3	17:30	20:30	Nil Sightings											
03/08/2023	VP3	9:00	12:00	Nil Sightings											
03/08/2023	VP7	12:40	14:20	Buzzard_BZ	1	12:28	On/Off			20					20
03/08/2023	VP7	12:40	14:20	Buzzard_BZ	1	13:17	Off				50	60	150		260
03/08/2023	VP7	12:40	14:20	Buzzard_BZ	1	14:07	Off	10	20	40	10				80
03/08/2023	VP7	12:40	14:20	Hen Harrier_HH	1	14:16	Off		10	10	50	20			90
08/08/2023	VP4	14:15	15:15	Kestrel_K.	1	15:11	On				50	180			230
09/08/2023	VP6	17:00	20:00	Hen Harrier_HH	1	18:56	On	10	5						15
09/08/2023	VP6	17:00	20:00	Hen Harrier_HH	1	19:07	On	65							65
24/08/2023	VP7	11:43	13:43	Kestrel_K.	1	15:11	On				50	180			230
24/08/2023	VP7	11:43	13:43	Hen Harrier_HH	1	11:51	Off			30					30
24/08/2023	VP7	11:43	13:43	Kestrel_K.	1	11:53	On/Off			40	20				60
24/08/2023	VP7	11:43	13:43	Kestrel_K.	1	12:01	Off			40					40
24/08/2023	VP7	11:43	13:43	Kestrel_K.	1	12:06	Off		60	60					120

Date	VP Name	Start Time	End Time	Species	Number	Time of sighting	On/Off Site	<10m	10-20m	20-30m	30-40m	40-50m	50-200m	>200m	Total Duration (s)
24/08/2023	VP7	11:43	13:43	Kestrel_K.	1	12:17	On/Off				120	120			240
24/08/2023	VP7	11:43	13:43	Kestrel_K.	1	12:28	On/Off				100				100
24/08/2023	VP7	11:43	13:43	Kestrel_K.	2	12:57	On/Off				60				60
24/08/2023	VP7	11:43	13:43	Kestrel_K.	1	13:11	Off		10	30					40
25/08/2023	VP6	9:20	12:20	Buzzard_BZ	1	10:12	Off	30	15						45
25/08/2023	VP6	9:20	12:20	Kestrel_K.	1	10:25	Off	15							15
25/08/2023	VP6	12:50	15:50	Kestrel_K.	1	13:13	On/Off	20							20
25/08/2023	VP6	12:50	15:50	Kestrel_K.	1	14:46	On/Off	40	20						60
25/08/2023	VP6	12:50	15:50	Kestrel_K.	1	14:54	Off	60	100	70	20				250
30/08/2023	VP6	16:25	19:25	Kestrel_K.	1	18:50	Off			35					35
01/09/2023	VP3	12:25:00	14:25	Sparrowhawk_SH	1	13:54	Off						180	35	215
01/09/2023	VP4	08:00	12:15	Nil Sightings											
08/09/2023	VP3	15:00	16:00	Nil Sightings											
08/09/2023	VP7	16:35	17:35	Buzzard_BZ	1	17:26	Off		34						34



Date	VP Name	Start Time	End Time	Species	Number	Time of sighting	On/Of f Site	<10m	10-20m	20-30m	30-40m	40-50m	50-200m	>200m	Total Duration (s)
08/09/2023	VP7	16:35	17:35	Buzzard_BZ	1	17:26	Off/On		34						34

Table 8- 11: Breeding 2023, VP Species Observation Counts

Species	May	Jun	July	Aug	Sep	Total
Black-headed Gull	0	1	0	0	0	1
Buzzard	3	4	2	4	3	16
Hen Harrier	11	0	2	4	1	18
Kestrel	13	3	3	15	1	35
Lesser Black-Backed Gull	0	0	1	0	0	1
Raven	3	1	0	0	3	7
Sparrowhawk	3		1		1	4

Table 8- 12: Breeding 2022 Woodcock Species Observations

Season	May	June
Breeding 2022	11	3



Table 8- 13: Breeding 2022 Woodcock Seen and Heard Species Observations

Season	2022
Woodcock Seen	4
Woodcock Heard	2
Woodcock Seen and Heard	8

Table 8- 14: Breeding 2023 Woodcock Species Observations

Season	May	June
Breeding 2023	6	1

Table 8- 15: Breeding 2023 Woodcock Seen and Heard Species Observations

Season	2023
Woodcock Seen	1
Woodcock Heard	1
Woodcock Seen and Heard	5

Table 8- 16: Breeding Wader 2022 Observations

Location	Date	Species	Coordinates (ITM)	
			X	Y
Oatfield	25/04/2022	Nil Sightings	-	-
Oatfield	26/04/2022	Nil Sightings	-	-
Oatfield	11/05/2022	Nil Sightings	-	-
Oatfield	07/06/2022	Nil Sightings	-	-
Oatfield	28/06/2022	Nil Sightings	-	-

Table 8- 17: Breeding Wader Species Count 2022

Species	Apr	May	Jun	Jul	Aug	Sep	Total
Snipe	0	0	0	0	0	0	0
Curlew	0	0	0	0	0	0	0
Golden Plover	0	0	0	0	0	0	0

Table 8- 18: Breeding Waders 2023 Observations

Date	Surveyor	Start Time	End Time	Duration (s)	Species	Time of sighting	Number	Observations
14/04/2023	DP	09:31:00	15:50:00	21600	Snipe_SN	10:41	1	Individual disturbed from area of heather.
14/04/2023	DP	09:31:00	15:50:00	21600	Snipe_SN	10:51	1	Individual disturbed from area of heather.
14/04/2023	DMC	09:31:00	15:50:00	21600	Nil Sightings	10:44	0	-
14/04/2023	DMC	09:39:00	17:07:00	1800	Nil Sightings	13:56	0	-
14/04/2023	DMC	09:39:00	17:07:00	21600	Snipe_SN	15:40	1	-
14/04/2023	HM	09:31:00	15:50:00	23400	Snipe_SN	10:44	1	SN flushed from heather
14/04/2023	HM	09:31:00	15:50:00	23400	Nil Sightings	10:02:00	0	Low flying, <1m and landed in a grassy tussock



Date	Surveyor	Start Time	End Time	Duration (s)	Species	Time of sighting	Number	Observations
21/04/2023	JOC	08:46:00	15:38:00	22500	Nil Sightings	08:45	0	-
21/04/2023	JOC	08:46:00	15:38:00	22500	Nil Sightings	11:00	0	-
21/04/2023	JOC	08:46:00	15:38:00	22500	Nil Sightings	15:30	0	-
03/05/2023	DMC & EM	13:00:00	16:00:00	10800	Nil Sightings	13:03:00	0	-
03/05/2023	DMC & EM	13:00:00	16:00:00	10800	Nil Sightings	15:51	0	-
05/05/2023	DMC & EM	08:49:00	15:24:00	25200	Nil Sightings	09:16:42	0	-
05/05/2023	DMC & EM	08:49:00	15:24:00	25200	Nil Sightings	09:38:52	0	-
05/05/2023	DMC & EM	08:49:00	15:24:00	25200	Nil Sightings	11:16:47	0	-
05/05/2023	DMC & EM	08:49:00	15:24:00	25200	Nil Sightings	11:50:08	0	-
05/05/2023	DMC & EM	08:49:00	15:24:00	25200	Nil Sightings	13:37:11	0	-
05/05/2023	DMC & EM	08:49:00	15:24:00	25200	Nil Sightings	14:45:46	0	-
05/05/2023	DMC & EM	08:49:00	15:24:00	25200	Nil Sightings	15:30:08	0	-
05/05/2023	DMC & EM	08:49:00	15:24:00	25200	Nil Sightings	15:37:01	0	-
30/05/2023	DMC	09:10:00	15:05:00	21600	Nil Sightings	10:30	0	-
30/05/2023	DMC	09:10:00	15:05:00	21600	Nil Sightings	11:34	0	-
30/05/2023	DMC	09:10:00	15:05:00	21600	Nil Sightings	12:56	0	-
30/05/2023	DMC	09:10:00	15:05:00	21600	Nil Sightings	14:47	0	-
31/05/2023	DMC	9.10	15.05	14400	Nil Sightings	10:45	0	Male K. Hunting and carrying prey 09.45 headed SSW
31/05/2023	DMC	08:30:00	12:30:00	14400	Nil Sightings	10:45	0	-
31/05/2023	DMC	08:30:00	12:30:00	14400	Nil Sightings	11:15	0	-
31/05/2023	DMC	08:30:00	12:30:00	14400	Nil Sightings	12:15	0	-
20/06/2023	DMC	09:55:00	17:05:00	21600	Nil Sightings	12:16	0	-
20/06/2023	DMC	09:55:00	17:05:00	21600	Nil Sightings	13:45	0	-
20/06/2023	DMC	09:55:00	17:05:00	21600	Nil Sightings	14:04	0	-
20/06/2023	DMC	09:55:00	17:05:00	21600	Nil Sightings	14:59	0	-
20/06/2023	DMC	09:55:00	17:05:00	21600	Nil Sightings	15:10	0	-

Date	Surveyor	Start Time	End Time	Duration (s)	Species	Time of sighting	Number	Observations
20/06/2023	DMC	09:55:00	17:05:00	21600	Nil Sightings	15:14	0	-
20/06/2023	DMC	09:55:00	17:05:00	21600	Nil Sightings	15:26	0	-
20/06/2023	DMC	09:55:00	17:05:00	21600	Snipe_SN	10:06	1	-

Table 8- 19: Breeding Wader Species Observation Counts 2023

Species	Apr	May	Jun	Total
Snipe	4	0	1	5

Table 8- 20: Breeding 2022, Merlin Species and Height Band

Date	Observer	Start Time	End Time	Duration of survey (sec)	Location (ITM)	Sign/Sighting	Time of sighting	Habitat
25/04/2022	EC	11:50:00	15:00:00	10800	552073, 669808	Nil Sighting	-	Conifer Plantation/Clearfell Area
26/04/2022	EC	11:45:00	13:50:00	7200	558997, 669721	Nil Sighting	-	Conifer Plantation/Clearfell Area
29/04/2022	ML	10:17:00	14:12:00	14400	559050, 671033	Nil Sighting	-	Heath/Bog
29/04/2022	ML	10:17:00	14:12:00	14400	556668, 672984	Nil Sighting	-	Heath/Bog
29/04/2022	ML	10:17:00	14:12:00	14400	552231, 668377	Nil Sighting	-	Wet grassland
02/06/2022	DMC	7:45:00	8:00:00	900	Transect Start (554197, 669440) Transect End (552768, 669182)	Nil Sighting	-	New forestry plantation/Post thicket forestry/Heath/Bog
02/06/2022	DMC	8:47:00	9:47:00	3600	VP1	Nil Sighting	-	New forestry plantation/Post thicket forestry/Heath/Bog

Date	Observer	Start Time	End Time	Duration of survey (sec)	Location (ITM)	Sign/Sighting	Time of sighting	Habitat
02/06/2022	DMC	9:49:00	10:49:00	3600	VP2	Nil Sighting	-	New forestry plantation/Post thicket forestry/Heath/Bog
02/06/2022	DMC	10:56:00	11:56:00	3600	VP3	Nil Sighting	-	New forestry plantation/Post thicket forestry/Heath/Bog
02/06/2022	DMC	12:30:00	1:30:00	3600	VP4	Nil Sighting	-	Heath/Bog/Post thicket forestry

Table 8- 21: Breeding 2022, Merlin Species Count

Species	Apr	Jun	Total
Merlin	-	-	0

Table 8- 22: Breeding 2022, Merlin Hour Count

Breeding 2022		Total Hours
Apr	Jun	
17	4.25	21.25

Table 8- 23: Breeding 2023, Merlin Species and Height Band

Date	Observer	Duration of survey (sec)	Location (ITM)	Sign/Sighting	Time of sighting	Habitat
21/04/2023	JOC	22500	552194.69, 668530.73	Plucked Item	09:44:00	Heath Bog
21/04/2023	JOC	22500	552261.08, 668445.7	Nil Sighting	08:45:00	Heath Bog
21/04/2023	JOC	22500	554931.96, 669663.31	Nil Sighting	11:56:00	Heath Bog
21/04/2023	JOC	22500	555842.1, 670928.89	Plucked Item	15:03:00	Heath Bog
21/04/2023	JOC	22500	555467.27, 670643.23	Nil Sighting	15:30:00	Heath Bog
05/05/2023	JOC	21600	554867, 669091	Nil Sighting	09:04:00	Grazing
05/05/2023	JOC	21600	554037, 669490	Plucked Item	10:07:00	Heath Bog
05/05/2023	JOC	21600	553874, 669523	Nil Sighting	10:10:00	Heath Bog
05/05/2023	JOC	22600	554049, 668424	Nil Sighting	13:18:00	Heath Bog
05/05/2023	JOC	21600	553205, 66899	Nil Sighting	13:56:00	Rough grazing
12/05/2023	NC	14400	553629, 669448	Nil Sighting	16:00:00	Uncut bog / Heather dense
13/05/2023	HM	21600	554867, 669091	Nil Sighting	08:00:00	Grazing
13/05/2023	HM	21600	554277, 669298	Nil Sighting	10:30:00	Clearfell
13/05/2023	HM	21600	552194, 668530	Nil Sighting	13:00:00	Moorland
15/05/2023	KWP	21600	553682, 669690	Nil Sighting	10:20:00	-
15/05/2023	KWP	21600	553012, 668852	Nil Sighting	12:50:00	-
15/05/2023	KWP	21600	555110, 669214	Nil Sighting	14:30:00	-
22/05/2023	EC	21600	552100, 669824	Nil Sighting	12:17:00	Conifer plantation/ clearfell
22/05/2023	EC	21600	553374, 669239	Nil Sighting	14:48:00	Conifer plantation
29/05/2023	EC	14400	555324, 669112	Nil Sighting	10:50:00	Clearfell
29/05/2023	EC	14400	554437, 669612	Nil Sighting	12:00:00	Conifer plantation
29/05/2023	EC	14400	552100, 669826	Nil Sighting	13:46:00	Clearfel / plantation

Date	Observer	Duration of survey (sec)	Location (ITM)	Sign/Sighting	Time of sighting	Habitat
29/05/2023	CD	15660	553454 668402	Nil Sighting	10:10:00	Low scrub with some mature isolated trees
29/05/2023	CD	15660	553454 668402	Nil Sighting	10:10:00	Post thicket forestry
29/05/2023	CD	15660	553126 669226	Nil Sighting	11:20:00	Post thicket forestry
29/05/2023	CD	15660	554016 669792	Nil Sighting	12:35:00	Heath/Bog
29/05/2023	CD	15660	555604 671010	Nil Sighting	13:30:00	Heath/Bog
29/05/2023	CD	15660	553126 669226	Nil Sighting	11:20:00	Immature forestry
29/05/2023	CD	15660	554016 669792	Nil Sighting	12:35:00	Bog Surrounded by Mature forestry
29/05/2023	CD	15660	555604 671010	Nil Sighting	13:30:00	Hill side Bog and wet grassland
09/06/2023	CD	14400	556271 669803	Nil Sighting	13:00:00	-
09/06/2023	CD	14400	556737 671338	Nil Sighting	14:30:00	-
09/06/2023	CD	14400	554962 669215	Nil Sighting	16:00:00	-
12/06/2023	NL	18000	555842, 670931	Nil Sighting	13:00:00	Forestry
12/06/2023	NL	18000	554681, 669447	Nil Sighting	16:00:00	Forestry
12/06/2023	JOH	18000	552194, 668530	Nil Sighting	12:45:00	Heath/Bog/New forestry plantation trees
12/06/2023	JOH	18000	554037, 669490	Nil Sighting	15:30:00	Heath/Bog/New forestry plantation trees
06/07/2023	HM	14400	553454, 668402	Nil Sighting	10:55:00	Early plantation
06/07/2023	HM	14400	552606, 669406	Nil Sighting	12:20:00	Moorland/ Bog
06/07/2023	HM	14400	552022, 669330	Nil Sighting	13:30:00	Clearfell
10/07/2023	EC	18000	552101, 669849	Nil Sighting	09:03:00	Conifer plantation
10/07/2023	EC	18000	552270, 669837	Sign/Sighting	11:10:00	Conifer plantation
10/07/2023	EC	18000	554366, 669246	Nil Sighting	13:40:00	Conifer clearing

Table 8- 24: Breeding 2022 Peregrine and Kestrel Suitability Survey

Date	Observer	Start Time	End Time	Duration of survey (sec)	Location (ITM)	Sign/Sighting	Time of sighting	Site Type	Suitability of the site
04/04/2022	ML	9:49:00	15:46:00	14400	559655, 669022	Nil Sighting	-	Ruin	Intermediate
04/04/2022	ML	9:49:00	15:46:00	14400	554886, 667230	Nil Sighting	-	Traditional Agricultural building	Intermediate
04/04/2022	ML	9:49:00	15:46:00	14400	550149, 668354	Nil Sighting	-	Ruin	Intermediate
05/13/2022	EC	9:10:00	15:00:00	21600	550242, 668361	Nil Sighting	-	Ruin	High
05/13/2022	EC	9:10:00	15:00:00	21600	552208, 670255	Nil Sighting	-	Clearfell area, with shed.	Intermediate
05/13/2022	EC	9:10:00	15:00:00	21600	552087, 669819	Nil Sighting	-	Clearfell area.	Low
05/13/2022	EC	9:10:00	15:00:00	21600	551995, 670768	Nil Sighting	-	Mix of traditional & modern agricultural buildings	Low
05/13/2022	EC	9:10:00	15:00:00	21600	553312, 668704	Nil Sighting	-	Clearfell	Low
03/06/2022	DMC	8:19:00	9:19:00	3600	559661, 669018	Nil Sighting	-	Traditional Agricultural building	Low
03/06/2022	DMC	9:25:00	10:25:00	3600	557444, 672160	Nil Sighting	9:54:00	Traditional Agricultural building	Low
03/06/2022	DMC	10:50:00	11:50:00	3600	558354, 667267	Nil sightings		Ruin	Low
03/06/2022	DMC	12:05:00	1:05:00	3600	550241, 668351	Nil sightings		Ruin	High
08/06/2022	DMC	9:00:00	4:00:00	21600	558846, 671212	Adult seen flying to/from nest site	13:06:00	Male and female Kestrel spotted beside VP8 nesting in a disguised stick nest, chicks sighted being fed, at least 2, in an ash thicket beside the VP	High
24/06/2022	CMCK	9:00:00	3:15:00	21600	559642, 669026	Nil sightings	10:00:00	Ruin	High
24/06/2022	CMCK	9:00:00	3:15:00	21600	557451, 672159	Nil sightings	12:08:00	Ruin	High

Date	Observer	Start Time	End Time	Duration of survey (sec)	Location (ITM)	Sign/Sighting	Time of sighting	Site Type	Suitability of the site
24/06/2022	CMCK	9:00:00	3:15:00	21600	554886, 667230	Nil sightings	13:45:00	Ruin	High
24/06/2022	CMCK	9:00:00	3:15:00	21600	557349, 666379	Adult seen flying to/from nest site	14:30:00	Ruin	High

Table 8- 25: Breeding 2022 Peregrine and Kestrel Species Count

Species	Apr	May	Jun	Total
Peregrine	-	-	-	0
Kestrel	-	-	3	3

Table 8- 26: Breeding 2022, Peregrine and Kestrel Hour Count

Breeding 2022			Total Hours
April	May	June	
12	30	34	76

Table 8- 27: Breeding 2023 Merlin Species and Height Band

Date	Observer	Duration of survey (sec)	Location (ITM)	Sign/Sighting	Time of sighting	Habitat
21/04/2023	JOC	22500	552194.69, 668530.73	Plucked Item	09:44:00	Heath Bog
21/04/2023	JOC	22500	552261.08, 668445.7	Nil Sighting	08:45:00	Heath Bog
21/04/2023	JOC	22500	554931.96, 669663.31	Nil Sighting	11:56:00	Heath Bog

Date	Observer	Duration of survey (sec)	Location (ITM)	Sign/Sighting	Time of sighting	Habitat
21/04/2023	JOC	22500	555842.1, 670928.89	Plucked Item	15:03:00	Heath Bog
21/04/2023	JOC	22500	555467.27, 670643.23	Nil Sighting	15:30:00	Heath Bog
05/05/2023	JOC	21600	554867, 669091	Nil Sighting	09:04:00	Grazing
05/05/2023	JOC	21600	554037, 669490	Plucked Item	10:07:00	Heath Bog
05/05/2023	JOC	21600	553874, 669523	Nil Sighting	10:10:00	Heath Bog
05/05/2023	JOC	22600	554049, 668424	Nil Sighting	13:18:00	Heath Bog
05/05/2023	JOC	21600	553205, 66899	Nil Sighting	13:56:00	Rough grazing
12/05/2023	NC	14400	553629, 669448	Nil Sighting	16:00:00	Uncut bog / Heather dense
13/05/2023	HM	21600	554867, 669091	Nil Sighting	08:00:00	Grazing
13/05/2023	HM	21600	554277, 669298	Nil Sighting	10:30:00	Clearfell
13/05/2023	HM	21600	552194, 668530	Nil Sighting	13:00:00	Moorland
15/05/2023	KWP	21600	553682, 669690	Nil Sighting	10:20:00	-
15/05/2023	KWP	21600	553012, 668852	Nil Sighting	12:50:00	-
15/05/2023	KWP	21600	555110, 669214	Nil Sighting	14:30:00	-
22/05/2023	EC	21600	552100, 669824	Nil Sighting	12:17:00	Conifer plantation/ clearfell
22/05/2023	EC	21600	553374, 669239	Nil Sighting	14:48:00	Conifer plantation
29/05/2023	EC	14400	555324, 669112	Nil Sighting	10:50:00	Clearfell
29/05/2023	EC	14400	554437, 669612	Nil Sighting	12:00:00	Conifer plantation
29/05/2023	EC	14400	552100, 669826	Nil Sighting	13:46:00	Clearfel / plantation
29/05/2023	CD	15660	553454 668402	Nil Sighting	10:10:00	Low scrub with some mature isolated trees
29/05/2023	CD	15660	553454 668402	Nil Sighting	10:10:00	Post thicket forestry
29/05/2023	CD	15660	553126 669226	Nil Sighting	11:20:00	Post thicket forestry
29/05/2023	CD	15660	554016 669792	Nil Sighting	12:35:00	Heath/Bog

Date	Observer	Duration of survey (sec)	Location (ITM)	Sign/Sighting	Time of sighting	Habitat
29/05/2023	CD	15660	555604 671010	Nil Sighting	13:30:00	Heath/Bog
29/05/2023	CD	15660	553126 669226	Nil Sighting	11:20:00	Immature forestry
29/05/2023	CD	15660	554016 669792	Nil Sighting	12:35:00	Bog Surrounded by Mature forestry
29/05/2023	CD	15660	555604 671010	Nil Sighting	13:30:00	Hill side Bog and wet grassland
09/06/2023	CD	14400	556271 669803	Nil Sighting	13:00:00	-
09/06/2023	CD	14400	556737 671338	Nil Sighting	14:30:00	-
09/06/2023	CD	14400	554962 669215	Nil Sighting	16:00:00	-
12/06/2023	NL	18000	555842, 670931	Nil Sighting	13:00:00	Forestry
12/06/2023	NL	18000	554681, 669447	Nil Sighting	16:00:00	Forestry
12/06/2023	JOH	18000	552194, 668530	Nil Sighting	12:45:00	Heath/Bog/New forestry plantation trees
12/06/2023	JOH	18000	554037, 669490	Nil Sighting	15:30:00	Heath/Bog/New forestry plantation trees
06/07/2023	HM	14400	553454, 668402	Nil Sighting	10:55:00	Early plantation
06/07/2023	HM	14400	552606, 669406	Nil Sighting	12:20:00	Moorland/ Bog
06/07/2023	HM	14400	552022, 669330	Nil Sighting	13:30:00	Clearfell
10/07/2023	EC	18000	552101, 669849	Nil Sighting	09:03:00	Conifer plantation
10/07/2023	EC	18000	552270, 669837	Sign/Sighting	11:10:00	Conifer plantation
10/07/2023	EC	18000	554366, 669246	Nil Sighting	13:40:00	Conifer clearing

Table 8- 28: Breeding 2023 Merlin Species Count

Species	Apr	May	Jun	July	Total
Merlin	-	-	-	-	0

Table 8- 29: Breeding 2023 Merlin Hour Count

Breeding 2023					Total Hours
Apr	May	Jun	July		219.25

Table 8- 30: Breeding 2022 Barn Owl Suitability Survey

Date	Observer	Start Time	End Time	Duration of survey (sec)	Location (ITM)	Sign/Sighting	Time of sighting	Site Type	Suitability of the site
04/04/2022	ML	9:49:00	15:46:00	14400	557451, 672163	Nil Sighting	-	Mix of traditional & modern agricultural buildings	Intermediate
04/04/2022	ML	9:49:00	15:46:00	14400	558322, 667312	Nil Sighting	-	Traditional Agricultural building	Intermediate
02/06/2022	EKL	10:55:00	12:25:00	5400	-	Nil Sighting	-		
05/07/2022	CMCK	7:00:00	10:30:00	12600	557451, 672163	Nil sightings	-	Traditional Agricultural building	High
05/07/2022	CMCK	7:00:00	10:30:00	12600	558317, 667312	Nil sightings	-	Traditional Agricultural building	Intermediate

Date	Observer	Start Time	End Time	Duration of survey (sec)	Location (ITM)	Sign/Sighting	Time of sighting	Site Type	Suitability of the site
05/07/2022	CMCK	7:00:00	10:30:00	12600	550149, 668354	Nil sightings	-	Ruin	High
29/08/2022	NC	8:30:00	10:00:00	5400	550087 668169	Nil sightings	-	Modern Agricultural building	Intermediate

Table 8- 31: Breeding 2022 Barn Owl Total Species Observations

Species	Apr	Jun	Jul	Aug	Total
Barn owl	-	-	-	-	0

Table 8- 32: Breeding 2022 Barn Owl Hours

Breeding 2022				Total Hours
Apr	Jun	Jul	Aug	
8	1.5	10.5	1.5	21.5

Table 8- 33: Breeding 2023 Barn Owl Suitability Surveys

Date	Observer	Start Time	End Time	Duration of survey (sec)	Location (ITM)	Sign/Sighting	Time of sighting	Site Type	Suitability of the site
17/04/2023	EC	08:45:00	13:50:00	18000	550229, 668365	Nil Sightings	08:45:00	Castle Ruins	High
17/04/2023	EC	08:45:00	13:50:00	18000	554241, 668059	Nil Sightings	10:00:00	Derelict House	Low
17/04/2023	EC	08:45:00	13:50:00	18000	554884, 667231	Nil Sightings	10:18:00	Old Stone shed	Low
17/04/2023	EC	08:45:00	13:50:00	18000	560848, 669811	Nil Sightings	11:11:00	Old Barn/ Shed	Low
17/04/2023	EC	08:45:00	13:50:00	18000	562201, 668871	Nil Sightings	11:20:00	Derelict House/ Farm	Intermediate
17/04/2023	EC	08:45:00	13:50:00	18000	562622, 669253	Nil Sightings	11:30:00	Unused Quarry	High
17/04/2023	EC	08:45:00	13:50:00	18000	559674, 672283	Nil Sightings	11:40:00	Derelict House/Sheds	Intermediate
17/04/2023	EC	08:45:00	13:50:00	18000	558206, 672368	Nil Sightings	11:45:00	Ruin/ House	Intermediate
17/04/2023	EC	08:45:00	13:50:00	18000	558452, 672077	Nil Sightings	11:50:00	Active Quarry	Intermediate
17/04/2023	EC	08:45:00	13:50:00	18000	557352, 666403	Nil Sightings	13:10:00	Old Farm sheds	Intermediate
17/04/2023	EC	08:45:00	13:50:00	18000	554237, 667283	Nil Sightings	13:35:00	Old Church	Intermediate



Date	Observer	Start Time	End Time	Duration of survey (sec)	Location (ITM)	Sign/Sighting	Time of sighting	Site Type	Suitability of the site
12/06/2023	HM	21:38:00	22:02:00	5400	554881, 667218	Nil sightings	21:38:00	Mix of traditional & modern agricultural buildings	High
12/07/2023	NA	21:25:00	23:15:00	6600	558206, 672368	Nil sightings	21:25:00	Ruin	Intermediate
02/08/2023	CMCK	20:57:00	22:27:00	5400	555750, 672600	Nil sightings	22:27:00	Traditional Agricultural building	High



Table 8- 34: Breeding 2023 Barn Owl Species Observation Counts

Species	Apr	Jun	Jul	Aug	Total
Barn Owl	-	-	-	-	0

Table 8- 35: Breeding 2023 Barn Owl Hours

Breeding 2023				Total Hours
Apr	Jun	Jul	Aug	
				59.8

Table 8- 36: Breeding 2023, Kingfisher, Dipper and Grey Wagtail Watercourse surveys

Date	Target species recorded	Signs of target species	Signs of target species notes	Nesting/habitat potential	Nesting/habitat potential notes
5/5/2023	Nil Sightings	No			
5/5/2023	Nil Sightings	No			
5/5/2023	Nil Sightings	No			
5/5/2023	Nil Sightings	No			Slow moving, though shallow for hunting. No raised banks for nesting.
5/5/2023	Nil Sightings	No		Low	
5/5/2023	Nil Sightings	No			No raised bank visible fro crossing for nesting. Edges are fairly overgrown. Shallow.

Date	Target species recorded	Signs of target species	Signs of target species notes	Nesting/habitat potential	Nesting/habitat potential notes
5/5/2023	Nil Sightings	No		Low	Shallow and fast flowing. No raised banks visible from crossing.
5/5/2023	Nil Sightings	No		Low	
5/5/2023	Nil Sightings	No			
5/5/2023	Nil Sightings	No			Shallow and fast flowing. No visible soft raised embankment from crossing.
5/5/2023	Nil Sightings	No		Low	Shallow and fast flowing. No visible soft raised embankment from crossing.
5/5/2023	Nil Sightings	No		Low	Shallow and fast flowing. No visible soft raised embankment from crossing.
5/5/2023	Nil Sightings	No		Low	
5/5/2023	Nil Sightings	No			
5/5/2023	Nil Sightings	No			
5/29/2023	Nil Sightings	Yes	Whitewash on rocks.	Medium	
5/29/2023	Kingfisher_KF	Yes	Looked to be carrying food in its beak upstream.	High	
5/29/2023	Grey Wagtail_GL	Yes	Flew into neighbouring stone shed. Potentially nesting there?	High	
5/29/2023	Grey Wagtail_GL	Yes	Flew out from under the bridge. Lingered and calling from trees.	High	
5/29/2023	Nil Sightings	No			
5/29/2023	Nil Sightings	No			
5/29/2023	Nil Sightings	No			
5/29/2023	Grey Wagtail_GL	Yes	Wagtail flew out from under the bridge.	High	

Date	Target species recorded	Signs of target species	Signs of target species notes	Nesting/habitat potential	Nesting/habitat potential notes
5/29/2023	Dipper	Yes	Lingering near the bridge for 2 minutes. Lots of whitewash on rocks along the river.	High	
5/29/2023	Nil Sightings	No			
27/4/2023	Nil Sightings	Yes	Whitewash on rocks along river.	Medium	
27/4/2023	Nil Sightings	No		Negligible	No sightings. Though potential for suitable nesting/hunting grounds in area.
27/4/2023	Dipper_DI	Yes	Dipper spotted flying downstream.	High	No sightings. Though potential for suitable nesting/hunting grounds in area.
27/4/2023	Nil Sightings	No		High	
27/4/23	Nil Sightings	No		Low	Possible nesting area east of the transect.
27/4/23	Kingfisher_KF	Yes	Spotted flying East of the transect	High	
27/4/23	Dipper_DI	Yes	Dipper spotted flying and perching in the transect	High	No nests spotted. Very high suitability for nest in the area.
27/4/23	Nil Sightings	No		High	



Table 8- 37: Breeding 2023, Kingfisher, Dipper and Grey Wagtail Observation Counts

Species	Apr	May
Kingfisher	1	1
Dipper	1	2
Grey Wagtail	0	3

Table 8- 38: Breeding 2023, Kingfisher, Dipper and Grey Wagtail Hour Count

Apr	May	Total
5.5	8.5	14

Table 8- 39: Winter 2022/23 IWeBS Results

Date	Surveyor	Start Time	End Time	Duration (s)	Species	Time of sighting	Number	Observations
17/10/2022	CMCK	11:25:00	2:33:00	11400	Grey Heron_H.	11:25	1	Hunting on shore
17/10/2022	CMCK	11:25:00	2:33:00	11400	Mute Swan_MS	11:25	2	Foraging in lake
17/10/2022	CMCK	11:25:00	2:33:00	11400	Cormorant_CA	11:40	1	Resting on lake shore
17/10/2022	CMCK	11:25:00	2:33:00	11400	Mute Swan_MS	11:40	1	Resting on lake shore
17/10/2022	CMCK	11:25:00	2:33:00	11400	Mallard_MA	12:10	3	Foraging in lake
17/10/2022	CMCK	11:25:00	2:33:00	11400	Nil Sightings			
17/10/2022	CMCK	11:25:00	2:33:00	11400	Nil Sightings			
17/10/2022	CMCK	11:25:00	2:33:00	11400	Mallard_MA	12:48	2	Foraging in lake
17/10/2022	CMCK	11:25:00	2:33:00	11400	Grey Heron_H.	12:48	1	Hunting on shore
17/10/2022	CMCK	11:25:00	2:33:00	11400	Mute Swan_MS	12:59	2	
17/10/2022	CMCK	11:25:00	2:33:00	11400	Kestrel_K.	12:59	3	



Date	Surveyor	Start Time	End Time	Duration (s)	Species	Time of sighting	Number	Observations
17/10/2022	CMCK	11:25:00	2:33:00	11400	Mallard_MA	13:12	5	
17/10/2022	CMCK	11:25:00	2:33:00	11400	Buzzard_BZ	13:12	2	
17/10/2022	CMCK	11:25:00	2:33:00	11400	Nil Sightings			
17/10/2022	CMCK	11:25:00	2:33:00	11400	Nil Sightings			
17/10/2022	CMCK	11:25:00	2:33:00	11400	Redshank_RK	14:25	1	Foraging on shore
17/10/2022	CMCK	11:25:00	2:33:00	11400	Mute Swan_MS	14:25	1	Swimming in river.
17/10/2022	CMCK	11:25:00	2:33:00	11400	Black-headed Gull_BH	14:25	2	Flying over river
18/10/2022	CMCK	12:26:00	15:50:00	13800	Mute Swan_MS	12:27	1	On lake
18/10/2022	CMCK	12:26:00	15:50:00	13800	Cormorant_CA	12:27	1	On shore
18/10/2022	CMCK	12:26:00	15:50:00	13800	Grey Heron_H.	12:27	1	On shore
18/10/2022	CMCK	12:26:00	15:50:00	13800	Nil Sightings			
18/10/2022	CMCK	12:26:00	15:50:00	13800	Cormorant_CA		1	On shore
18/10/2022	CMCK	12:26:00	15:50:00	13800	Mallard_MA		4	On lake
18/10/2022	CMCK	12:26:00	15:50:00	13800	Cormorant_CA		1	Hunting on lake
18/10/2022	CMCK	12:26:00	15:50:00	13800	Nil Sightings			
18/10/2022	CMCK	12:26:00	15:50:00	13800	Nil Sightings			
18/10/2022	CMCK	12:26:00	15:50:00	13800	Nil Sightings			
18/10/2022	CMCK	12:26:00	15:50:00	13800	Buzzard_BZ	14.09	1	
18/10/2022	CMCK	12:26:00	15:50:00	13800	Nil Sightings			
18/10/2022	CMCK	12:26:00	15:50:00	13800	Mallard_MA	14.31	3	Foraging on lake
18/10/2022	CMCK	12:26:00	15:50:00	13800	Mute Swan_MS	14:42	1	on lake
18/10/2022	CMCK	12:26:00	15:50:00	13800	Mute Swan_MS	14:42	1	on shore
18/10/2022	CMCK	12:26:00	15:50:00	13800	Grey Heron_H.	15.01	1	on shore
18/10/2022	CMCK	12:26:00	15:50:00	13800	Mallard_MA	15.01	2	on lake
18/10/2022	CMCK	12:26:00	15:50:00	13800	Nil Sightings			
18/10/2022	CMCK	12:26:00	15:50:00	13800	Mute Swan_MS	15.45	1	on river



Date	Surveyor	Start Time	End Time	Duration (s)	Species	Time of sighting	Number	Observations
18/10/2022	CMCK	12:26:00	15:50:00	13800	Mallard_MA	15.45	6	on river
18/10/2022	CMCK	12:26:00	15:50:00	13800	Black-headed Gull_BH	15.45	4	on bank
11/14/2022	CMCK	11:00:00	2:00:00	10800	Wigeon_WN	11:00	4	Resting on lake shore
11/14/2022	CMCK	11:00:00	2:00:00	10800	Mute Swan_MS	11:00	8	Resting on lake shore
11/14/2022	CMCK	11:00:00	2:00:00	10800	Cormorant_CA	11:00	8	Hunting
11/14/2022	CMCK	11:00:00	2:00:00	10800	Cormorant_CA	11:18	1	Resting on lake shore
11/14/2022	CMCK	11:00:00	2:00:00	10800	Mute Swan_MS	11:18	3	Foraging in lake
11/14/2022	CMCK	11:00:00	2:00:00	10800	Cormorant_CA	11:30	4	Roosting
11/14/2022	CMCK	11:00:00	2:00:00	10800	Lesser Black-backed Gull_LB	11:30	2	Flying over lake
11/14/2022	CMCK	11:00:00	2:00:00	10800	Moorhen_MH	11:30	1	Foraging
11/14/2022	CMCK	11:00:00	2:00:00	10800	Mute Swan_MS	11:30	2	Resting on lake shore
11/14/2022	CMCK	11:00:00	2:00:00	10800	Nil Sightings			
11/14/2022	CMCK	11:00:00	2:00:00	10800	Cormorant_CA	11:54	1	Foraging in lake
11/14/2022	CMCK	11:00:00	2:00:00	10800	Mallard_MA	11:54	5	3 resting, 2 foraging
11/14/2022	CMCK	11:00:00	2:00:00	10800	Kestrel_K.	12:10	1	Hunting near shore
11/14/2022	CMCK	11:00:00	2:00:00	10800	Nil Sightings			
11/14/2022	CMCK	11:00:00	2:00:00	10800	Mute Swan_MS	12:31	2	Foraging in lake
11/14/2022	CMCK	11:00:00	2:00:00	10800	Lesser Black-backed Gull_LB	12:42	4	Resting in lake
11/14/2022	CMCK	11:00:00	2:00:00	10800	Black-headed Gull_BH	12:42	5	Resting in lake
11/14/2022	CMCK	11:00:00	2:00:00	10800	Nil Sightings			
11/14/2022	CMCK	11:00:00	2:00:00	10800	Grey Heron_H.	13:17	1	Foraging on shore



Date	Surveyor	Start Time	End Time	Duration (s)	Species	Time of sighting	Number	Observations
11/14/2022	CMCK	11:00:00	2:00:00	10800	Little Egret_ET	13:30	2	Foraging on shore
11/14/2022	CMCK	11:00:00	2:00:00	10800	Mallard_MA	13:30	14	Resting on lake shore
11/14/2022	CMCK	11:00:00	2:00:00	10800	Black-headed Gull_BH	13:30	6	Swimming in river
11/14/2022	CMCK	11:00:00	2:00:00	10800	Nil Sightings			Resting on lake shore
05/01/2023	CMCK	10:30:00	13:40:00	11400	Whooper Swan_WS	10:30	7	resting on shore
05/01/2023	CMCK	10:30:00	13:40:00	11400	Nil Sightings			
05/01/2023	CMCK	10:30:00	13:40:00	11400	Mute Swan_MS	10:52	2	on lake
05/01/2023	CMCK	10:30:00	13:40:00	11400	Cormorant_CA	10:52	3	roosting
05/01/2023	CMCK	10:30:00	13:40:00	11400	Great Crested Grebe_GG	10:52	1	foraging
05/01/2023	CMCK	10:30:00	13:40:00	11400	Grey Heron_H.	11:19	1	flying
05/01/2023	CMCK	10:30:00	13:40:00	11400	Lapwing_L.	11:19	47	flying
05/01/2023	CMCK	10:30:00	13:40:00	11400	Great Crested Grebe_GG	11:19	1	foraging
05/01/2023	CMCK	10:30:00	13:40:00	11400	Whooper Swan_WS	11:19	4	foraging
05/01/2023	CMCK	10:30:00	13:40:00	11400	Great Crested Grebe_GG	11:32	1	foraging
05/01/2023	CMCK	10:30:00	13:40:00	11400	Mallard_MA	11:45	2	flying
05/01/2023	CMCK	10:30:00	13:40:00	11400	Moorhen_MH	11:45	1	foraging
05/01/2023	CMCK	10:30:00	13:40:00	11400	Mute Swan_MS	11:45	1	foraging
05/01/2023	CMCK	10:30:00	13:40:00	11400	Mute Swan_MS	12:00	1	foraging
05/01/2023	CMCK	10:30:00	13:40:00	11400	Mallard_MA	12:00	2	foraging
05/01/2023	CMCK	10:30:00	13:40:00	11400	Mute Swan_MS	12:14	1	foraging
05/01/2023	CMCK	10:30:00	13:40:00	11400	Mute Swan_MS	12:23	2	foraging
05/01/2023	CMCK	10:30:00	13:40:00	11400	Cormorant_CA	12:37	4	roosting
05/01/2023	CMCK	10:30:00	13:40:00	11400	Nil Sightings	13:05		
05/01/2023	CMCK	10:30:00	13:40:00	11400	Mallard_MA	13:20	6	resting on shore
05/01/2023	CMCK	10:30:00	13:40:00	11400	Black-headed Gull_BH	13:20	3	1 flying 2 resting



Date	Surveyor	Start Time	End Time	Duration (s)	Species	Time of sighting	Number	Observations
05/01/2023	CMCK	10:30:00	13:40:00	11400	Nil Sightings	13:40		
10/01/23	HM	13:00:00	15:00:00	7200	Nil Sightings	10:30		
10/01/23	HM	13:00:00	15:00:00	7200	Grey Heron_H.		1	
10/01/23	HM	13:00:00	15:00:00	7200	Nil Sightings	10:52		
10/01/23	HM	13:00:00	15:00:00	7200	Nil Sightings	10:52		
10/01/23	HM	13:00:00	15:00:00	7200	Mute Swan_MS	10:52	2	
10/01/23	HM	13:00:00	15:00:00	7200	Mute Swan_MS	11:19	1	
10/01/23	HM	13:00:00	15:00:00	7200	Mute Swan_MS	11:19	1	
10/01/23	HM	13:00:00	15:00:00	7200	Cormorant_CA	11:19	1	
10/01/23	HM	13:00:00	15:00:00	7200	Nil Sightings	11:19		
27/02/2023	EC	10:50:00	14:00:00	11400	Nil Sightings		0	-
27/02/2023	EC	10:50:00	14:00:00	11400	Nil Sightings		0	-
27/02/2023	EC	10:50:00	14:00:00	11400	Mute Swan_MS	11:10	10	-
27/02/2023	EC	10:50:00	14:00:00	11400	Mute Swan_MS	11:40	4	-
27/02/2023	EC	10:50:00	14:00:00	11400	Mallard_MA	11:40	4	-
27/02/2023	EC	10:50:00	14:00:00	11400	Mute Swan_MS	12:05	2	-
27/02/2023	EC	10:50:00	14:00:00	11400	Mute Swan_MS	12:30	2	-
27/02/2023	EC	10:50:00	14:00:00	11400	Nil Sightings		0	-
27/02/2023	EC	10:50:00	14:00:00	11400	Nil Sightings	13:00	0	-
27/02/2023	EC	10:50:00	14:00:00	11400	Nil Sightings		0	-
27/02/2023	EC	10:50:00	14:00:00	11400	Nil Sightings		0	-
27/02/2023	EC	10:50:00	14:00:00	11400	Mute Swan_MS	13:30	4	-
27/02/2023	EC	10:50:00	14:00:00	11400	Cormorant_CA	13:30	1	-
27/02/2023	EC	10:50:00	14:00:00	11400	Coot_CO	13:30	6	-
27/02/2023	EC	10:50:00	14:00:00	11400	Mallard_MA	13:30	2	-
15/03/2023	CMCK	12:15	14:46	9000	Mute Swan_MS	12:15	3	Foraging
15/03/2023	CMCK	12:15	14:46	9000	Great Crested Grebe_GG	12:15	1	Foraging



Date	Surveyor	Start Time	End Time	Duration (s)	Species	Time of sighting	Number	Observations
15/03/2023	CMCK	12:15	14:46	9000	Cormorant_CA	12:15	1	Roosting
15/03/2023	CMCK	12:15	14:46	9000	Nil Sightings	12:25		
15/03/2023	CMCK	12:15	14:46	9000	Cormorant_CA	12:31	1	Roosting
15/03/2023	CMCK	12:15	14:46	9000	Great Crested Grebe_GG	12:32	2	Foraging
15/03/2023	CMCK	12:15	14:46	9000	Great Crested Grebe_GG	12:32	2	Foraging
15/03/2023	CMCK	12:15	14:46	9000	Cormorant_CA	12:45	2	Roosting
15/03/2023	CMCK	12:15	14:46	9000	Mute Swan_MS	12:45	4	Swimming
15/03/2023	CMCK	12:15	14:46	9000	Coot_CO	12:45	1	Foraging
15/03/2023	CMCK	12:15	14:46	9000	Mute Swan_MS	12:45	2	Foraging
15/03/2023	CMCK	12:15	14:46	9000	Tufted Duck_TU	13:00	4	Swimming
15/03/2023	CMCK	12:15	14:46	9000	Mute Swan_MS	13:00	2	Foraging
15/03/2023	CMCK	12:15	14:46	9000	Mallard_MA	13:15	6	Swimming
15/03/2023	CMCK	12:15	14:46	9000	Mute Swan_MS	13:15	2	Preening
15/03/2023	CMCK	12:15	14:46	9000	Cormorant_CA	13:23	2	Foraging
15/03/2023	CMCK	12:15	14:46	9000	Mute Swan_MS	13:30	2	Foraging
15/03/2023	CMCK	12:15	14:46	9000	Mallard_MA	13:31	3	Foraging
15/03/2023	CMCK	12:15	14:46	9000	Mallard_MA	13:39	8	Foraging
15/03/2023	CMCK	12:15	14:46	9000	Mute Swan_MS	13:39	1	Resting
15/03/2023	CMCK	12:15	14:46	9000	Kestrel_K.	13:39	1	Hunting
15/03/2023	CMCK	12:15	14:46	9000	Nil Sightings	13:55		
15/03/2023	CMCK	12:15	14:46	9000	Grey Heron_H.	14:04	1	Hunting
15/03/2023	CMCK	12:15	14:46	9000	Mute Swan_MS	14:16	1	Foraging
15/03/2023	CMCK	12:15	14:46	9000	Grey Heron_H.	14:16	1	Flying
15/03/2023	CMCK	12:15	14:46	9000	Nil Sightings	14:45		

Table 8- 40: Winter 2022/23, IWeBS Total Species Counts



Species	Oct	Nov	Jan	Feb	March	Total
Black-headed Gull	6	11	3	0	0	20
Buzzard	2	0	0	0	0	2
Coot	0	0	0	6	1	7
Cormorant	9	14	8	1	6	38
Great Crested Grebe	0	0	3	0	5	8
Grey Heron	10	1	49	0	2	62
Kestrel	1	1	0	0	1	3
Lapwing	0	0	2	0	0	47
Lesser Black-backed Gull	0	6	0	0	0	6
Little Egret	0	2	0	0	0	2
Mallard	10	19	9	6	17	61
Moorhen	0	1	1	0	0	2
Mute Swan	14	15	18	22	17	86
Redshank	1	0	0	0	0	1
Tufted Duck	0	0	0	0	4	4
Whooper Swan	0	0	2	0	0	2
Wigeon	0	4	0	0	0	4



Table 8- 41: Winter 2022/23, IWeBS Hour Count

Winter 2022/2023					Total Hours
Oct	Nov	Jan	Feb	Mar	
134	69	84	43	65	395

Table 8- 42: Winter 2022/23, Winter Red Grouse Survey

Date	Transect Number	Sex of Grouse	Duration of survey (sec)
30/01/23	1	Nil Sightings	600
30/01/23	2	Nil Sightings	1200
17/02/23	-	Nil Sightings	6300s
17/02/23	-	Nil Sightings	6300s



Date	VP Name	Start Time	End Time	Species	Number	Time of sighting	On/Off Site	<10m	10-20m	20-30m	30-40m	40-50m	50-160m	>160m	Total Duration (s)
18/07/2022	52.7863919,-8.6708575	09:00:00	15:30:00	Hen Harrier_HH	1	10:25:00	On	30							30
18/07/2022	52.7863919,-8.6708575	09:00:00	15:30:00	Hen Harrier_HH	1	14:40:00	On	60							60
19/07/2022	52.7762238,-8.6651602	09:00:00	15:30:00	Hen Harrier_HH	1	13:01:00	On	15							15
19/07/2022	52.7762238,-8.6651602	09:00:00	15:30:00	Hen Harrier_HH	1	13:35:00	On	10							10
21/07/2022	52.7864100,-8.6709786	09:00:00	15:30:00	Hen Harrier_HH	1	14:35:00	On	5	10	30					45



Table 8- 44: Breeding 2022 Hen Harrier Species Count

Species	Apr	May	Jun	Jul	Aug	Sep	Total
Hen Harrier	-	1	13	5	-	-	19

Table 8- 45: Winter 2022/23 Hen Harrier Survey Results

Date	VP Name	Start Time	End Time	Species	Number	Time of sighting	On/Off Site
04/10/2022	52.776472, - 8.686397	16:36:00	19:36:00	Nil	-	-	-
05/10/2022	52.776472, - 8.686397	17:03:00	19:33:00	Nil	-	-	-
06/10/2022	52.776472, - 8.686397	17:30:00	19:31:00	Nil	-	-	-
13/10/2022	52.776472, - 8.686397	17:15:00	19:15:00	Nil	-	-	-
17/10/2022	52.7746404, - 8.6716753	17:06:00	19:06:00	Nil	-	-	-
03/11/2022	52.777109, - 8.709627	16:30:00	18:00:00	Hen Harrier	1	17:49:00	Off
07/11/2022	52.7764720, - 8.6863970	16:20:00	17:50:00	Nil	-	-	-
17/11/2022	52.776472, - 8.686397	15:08:00	17:08:00	Nil	-	-	-
14/11/2022	52.775407, - 8.669208	15:12:00	17:12:00	Nil	-	-	-
15/11/2022	52.776472, - 8.686397	15:11:00	17:11:00	Nil	-	-	-
19/12/2022	52.775402, - 8.669208	14:50:00	16:50:00	Nil	-	-	-



Date	VP Name	Start Time	End Time	Species	Number	Time of sighting	On/Off Site
20/12/2022	52.769137, - 8.691509	14:50:00	16:50:00	Nil	-	-	-
21/12/2022	52.776472, - 8.686397	14:49:00	11:45:36	Nil	-	-	-
22/12/2022	52.776477, - 8.686397	14:51:00	16:51:00	Nil	-	-	-
05/01/2023	52.768839, - 8.691444	15:05:00	17:05:00	Hen Harrier	1	15:26:00	On
08/02/2023	52.7901149, - 8.6572698	17:04:00	18:34:00	Nil	-	-	-
09/01/2023	52.789910, - 8.657560	15:40:00	17:10:00	Nil	-	-	-
20/02/2023	52.775431, - 8.668480	16:35:00	18:26:00	Hen Harrier	1	16:44:00	Off
21/02/2023	52.785176, - 8.672540	17:00:00	18:28:00	Nil	-	-	-
22/02/2023	52.771342, - 8.661576	17:15:00	18:30:00	Nil	-	-	-
22/02/2023	52.776472, - 8.686397	16:30:00	18:30:00	Nil	-	-	-
23/02/2023	52.776472, - 8.686397	16:30:00	18:30:00	Nil	-	-	-
27/02/2023	52.7771740, - 8.7103350	16:45:00	18:30:00	Nil	-	-	-
06/03/2023	553811.46, 669625.47	16:52:54	18:52:58	Hen Harrier	1	17:55:00	Off
07/03/2023	555180.5, 669491.36	16:54:24	18:54:26	Hen Harrier	1	18:19:00	Off
08/03/2023	554523.82, 669523.13	16:54:37	18:54:41	Nil	-	-	-
09/03/2023	557646.06, 670033.61	16:58:44	18:50:54	Nil	-	-	-

Date	VP Name	Start Time	End Time	Species	Number	Time of sighting	On/Off Site
13/03/2023	555056.56, 669313.64	17:05:03	19:05:07	Hen Harrier	1	17:06:00	On/Off
13/03/2023	555118.9, 669560.59	17:05:03	19:05:07	Hen Harrier	1	18:11:00	Off
13/03/2023	555106.1, 669558.23	17:05:03	19:05:07	Hen Harrier	1	18:16:00	Off
15/03/2023	555207.49, 669489.97	17:08:49	19:08:58	Hen Harrier	1	17:57:00	Off
15/03/2023	555262.46, 669498.04	17:08:49	19:08:58	Hen Harrier	1	18:28:00	Off
20/02/2023	52.776235, - 8.686500	17:00:00	18:30:00	Hen Harrier	1	17:32:00	Off

Table 8- 46: Winter 2022/23 Hen Harrier Species Count

Species	Oct	Nov	Dec	Jan	Feb	Mar	Total
Hen Harrier	0	1	1	1	2	6	11

Table 8- 47: Breeding 2023, Hen Harrier Survey Results

Date	VP Name	Start Time	End Time	Species	Number	Time of sighting	On/Off Site	Site Type	Suitability of the site	Total Duration (s)
04/04/2023	HH VP	14:30:00	16:30:00	Nil Sightings	-	-		Heath	High	7200
04/04/2023	HH VP	14:30:00	16:30:00	Hen Harrier_HH	1	13:24	Off	Heath	High	7200
04/04/2023	HH VP	14:30:00	16:30:00	Hen Harrier_HH	2	13:24	Off	Heath	High	7200
04/04/2023	HH VP	14:30:00	16:30:00	Hen Harrier_HH	1	14:40	Off	Heath	High	7200



Date	VP Name	Start Time	End Time	Species	Number	Time of sighting	On/Off Site	Site Type	Suitability of the site	Total Duration (s)
04/04/2023	HH VP	14:30:00	16:30:00	Hen Harrier_HH	1	15:10	Off	Heath	High	7200
13/04/2023	HH VP	10:15:00	16:00:00	Hen Harrier_HH	1	10:49	On/Off	Pre thicket forestry	Intermediate	21600
13/04/2023	HH VP	10:15:00	16:00:00	Hen Harrier_HH	1	14:25	Off	Heath	High	21600
19/04/2023	HH VP	10:10:00	16:40:00	Hen Harrier_HH	1	12:45	On/Off	Forestry, bog	High	21600
24/04/2023	HH VP	10:25:00	16:55:00	Hen Harrier_HH	1	11:30	On/Off	Bog	High	21600
24/04/2023	HH VP	10:25:00	16:55:00	Hen Harrier_HH	1	11:44	Off	Bog and forestry	High	21600
25/04/2023	HH VP	09:30:00	16:00:00	Hen Harrier_HH	2	11:00	Off	Bog and forestry	High	21600
25/04/2023	HH VP	09:30:00	16:00:00	Hen Harrier_HH	1	11:16	Off	Bog and forestry	High	21600
25/04/2023	HH VP	09:30:00	16:00:00	Hen Harrier_HH	1	11:29	Off	Bog and forestry	High	21600
25/04/2023	HH VP	09:30:00	16:00:00	Hen Harrier_HH	1	15:08	Off	Bog and forestry	High	21600
26/04/2023	HH VP	09:45:00	15:45:00	Hen Harrier_HH	1	11:32	On/Off	Bog, forestry	High	19800
26/04/2023	HH VP	09:45:00	15:45:00	Hen Harrier_HH	1	11:44	Off	Bog, forestry	High	19800
26/04/2023	HH VP	09:45:00	15:45:00	Hen Harrier_HH	1	11:57	On/Off	Bog, forestry	High	19800



Date	VP Name	Start Time	End Time	Species	Number	Time of sighting	On/Off Site	Site Type	Suitability of the site	Total Duration (s)
26/04/2023	HH VP	09:45:00	15:45:00	Hen Harrier_HH	1	12:01	On/Off	Bog, forestry and clear fell	High	19800
26/04/2023	HH VP	09:45:00	15:45:00	Hen Harrier_HH	1	13:24	Off	Bog, forestry	High	19800
26/04/2023	HH VP	09:45:00	15:45:00	Hen Harrier_HH	1	13:49	On/Off	Bog, forestry	High	19800
26/04/2023	HH VP	09:45:00	15:45:00	Hen Harrier_HH	1	14:02	On/Off	Bog, forestry	High	19800
26/04/2023	HH VP	09:45:00	15:45:00	Hen Harrier_HH	1	14:23	On/Off	Bog, forestry	High	19800
26/04/2023	HH VP	09:45:00	15:45:00	Hen Harrier_HH	1	15:12	On/Off	Bog, forestry	High	19800
03/05/2023	HH VP	10:15:00	16:45:00	Hen Harrier_HH	1	13:04	On	Clearfell, forestry, farmland, bog	High	21600
03/05/2023	HH VP	10:15:00	16:45:00	Hen Harrier_HH	1	16:34	On	Bog, forestry	High	21600
04/05/2023	HH VP	09:30:00	16:00:00	Nil Sightings	-	-		Heath/Bog & Post thicket forestry	High	21600
04/05/2023	HH VP	09:30:00	16:00:00	Hen Harrier_HH	1	11:45	Off	Post thicket forestry	High	21600
04/05/2023	HH VP	10:05:00	16:35:00	Hen Harrier_HH	1	11:54	Off	Bog	High	21600
04/05/2023	HH VP	10:05:00	16:35:00	Hen Harrier_HH	1	15:14	Off	Bog	High	21600

Date	VP Name	Start Time	End Time	Species	Number	Time of sighting	On/Off Site	Site Type	Suitability of the site	Total Duration (s)
04/05/2023	HH VP	10:05:00	16:35:00	Hen Harrier_HH	1	15:18	Off	Bog, forestry and clearfell	High	21600
04/05/2023	HH VP	09:30:0	12:30:00	Nil Sightings	-	-		Heath/Bog	High	10800
04/05/2023	HH VP	13:45:00	16:30:00	Nil Sightings	-	-		Clear fell	Intermediate	9900
05/05/2023	HH VP	09:30:00	16:00:00	Nil Sightings	-	-		Heath/Bog & Post thicket forestry	High	21600
05/05/2023	HH VP	09:05:00	15:35:00	Nil Sightings	-	-		Bog, forestry and clearfell	High	21600
15/05/2023	HH VP	09:55:00	16:25:00	Hen Harrier_HH	1	10:43	On/Off	Grassland	High	21600
16/05/2023	HH VP	13:00:00	18:30:00	Nil Sightings	-	-		Peatland (heather dominated)	High	18000
17/05/2023	HH VP	10:20:00	16:50:00	Nil Sightings	-	-		Peatland (heather dominated)	High	21600
29/05/2023	Nest Watch	10:30:00	17:00:00	Nil Sightings	-	-		Peatland (heather dominated)	High	23400
29/05/2023	Nest Watch	10:30:00	17:00:00	Nil Sightings	-	-		Peatland (heather dominated)	High	23400
29/05/2023	HH VP	11:30:00	16:30:00	Hen Harrier_HH	1	12:21	On/Off	Immature (pre-thicket) coniferous forestry	Intermediate	18000

Date	VP Name	Start Time	End Time	Species	Number	Time of sighting	On/Off Site	Site Type	Suitability of the site	Total Duration (s)
29/05/2023	HH VP	11:30:00	16:30:00	Hen Harrier_HH	2	12:23	On/Off	Peatland (heather dominated)	Intermediate	18000
29/05/2023	HH VP	11:30:00	16:30:00	Hen Harrier_HH	2	12:26	On/Off	Peatland (heather dominated)	Intermediate	18000
29/05/2023	HH VP	11:30:00	16:30:00	Hen Harrier_HH	1	15:28	Off	Peatland (heather dominated)	High	18000
06/06/2023	HH VP	10:20:00	16:50:00	Nil Sightings	-	-		Immature (pre-thicket) coniferous forestry	High	21600
06/06/2023	HH VP	15:30:00	17:30:00	Nil Sightings	-	-		Peatland (heather dominated)	High	7200
06/06/2023	HH VP	19:00:00	21:00:00	Nil Sightings	-	-		Peatland (heather dominated)	High	7200
07/06/2023	HH VP	10:05:00	16:35:00	Hen Harrier_HH	1	13:52	Off	Peatland (heather dominated)	High	21600
07/06/2023	HH VP	15:30:00	17:30:00	Nil Sightings	-	-		Immature (pre-thicket) coniferous forestry	Intermediate	7200
07/06/2023	HH VP	18:30:00	21:00:00	Nil Sightings	-	-		Immature (pre-thicket)	Intermediate	9000

Date	VP Name	Start Time	End Time	Species	Number	Time of sighting	On/Off Site	Site Type	Suitability of the site	Total Duration (s)
								coniferous forestry		
08/06/2023	HH VP	11:20:00	17:50:00	Hen Harrier_HH	1	14:46	Off	Peatland (heather dominated)	High	21600
09/06/2023	HH VP	09:15:00	15:45:00	Hen Harrier_HH	1	10:58	On/Off	Close-canopy (post-thicket) conifer forestry	High	21600
23/06/2023	HH VP	09:55:00	15:00:00	Hen Harrier_HH	1	-		Peatland (heather dominated)	High	18300
23/06/2023	HH VP	09:55:00	15:00:00	Nil Sightings	1	-		Peatland (heather dominated)	High	18300
23/06/2023	HH VP	09:55:00	15:00:00	Nil Sightings	-	-		Peatland (heather dominated)	High	18300
01/08/2023	HH VP	11:35:00	14:35:00	Hen Harrier_HH	1	-		Peatland (heather dominated)	High	10800
01/08/2023	HH VP	15:05:00	18:05:00	Nil Sightings	-	-		Immature (pre-thicket) coniferous forestry	High	10800
11/08/2023	HH VP	11:35:00	14:35:00	Male seen	1	13:42	Off	Peatland (heather dominated)	High	10800



Date	VP Name	Start Time	End Time	Species	Number	Time of sighting	On/Off Site	Site Type	Suitability of the site	Total Duration (s)
11/08/2023	HH VP	15:05:00	18:05:00	Nil sightings	-	-		Immature (pre-thicket) coniferous forestry	High	10800

Table 8- 48: Breeding Hen Harrier Species Observation Counts

Species	Apr	May	Jun	Aug	Total
Hen Harrier	24	13	5	2	44