

APPENDIX 8.2: BASELINE SURVEY RESULTS

8.1 Flight Activity (Vantage Point) Surveys

- 8.1.1 Flight activity surveys recorded ten species overflying the Study Area, a summary is provided in **Table 8-1** below with full details provided in **Table 8-2**. Details of weather conditions during the surveys are provided in **Appendix 8.3**.

Table 8-1: Summary of Target Species Flights from VP Surveys

Species	Total number of flights	Total number of individuals	Individuals per flight
Dunlin	4	4	1
Greylag goose	15	144	1 – 25
Greenshank	4	5	1 – 2
Golden plover	1	1	1
Hen harrier	2	2	1
Honey buzzard	3	3	1
Lapwing	1	11	11
Pink-footed goose	2	163	33 – 130
Red-throated diver	9	18	1 – 5
Short-eared owl	1	1	1

Table 8-2: Summary of Target Species Flights from VP Surveys

Date	VP	Survey Start	Survey Finish	Flight No.	Species	No. of Birds	Start time	Start height	No. of 15 second intervals spent flying within each height band					Notes	
									1	2	3	4	5		
08/05/2018	1	09:45	12:45	1	Pink-footed goose	130	10:15	2		20					
08/05/2018	2	13:00	16:00	2	Pink-footed goose	33	14:45	3			19				
08/05/2018	2	13:00	16:00	3	Greylag goose	24	15:08	3			23				
08/05/2018	2	13:00	16:00	4	Dunlin	1	15:48	1	2	2					Displaying
11/03/2019	2	12:45	15:45	5	Greylag goose	14	14:42	3			4	2			
11/03/2019	2	12:45	15:45	6	Greylag goose	22	15:36	4				5			
01/04/2019	2	08:45	11:45	7	Greylag goose	16	08:57	4				5			
01/04/2019	2	08:45	11:45	8	Short-eared owl	1	09:06	1	5	1					Hunting
01/04/2019	2	08:45	11:45	9	Greylag goose	25	09:31	3			2	6			
30/05/2018	2B	15:30	18:30	10	Dunlin	1	18:07	1	2	2	1				
13/06/2018	2B	07:20	10:20	11	Dunlin	1	07:37	2		6					
13/06/2018	2B	07:20	10:20	12	Red-throated diver	1	10:12	3			12				Flew North along river, then headed NE
08/08/2018	2B	09:00	12:00	13	Red-throated diver	5	09:30	3			4	11			Circled then split into two groups
08/08/2018	2B	09:00	12:00	14	Red-throated diver	2	09:33	4				5			Part of group above that split off in opposite direction
08/08/2018	2B	09:00	12:00	15	Red-throated diver	2	09:36	4				12			
08/08/2018	2B	09:00	12:00	16	Red-throated diver	2	11:10	4				16			

Date	VP	Survey Start	Survey Finish	Flight No.	Species	No. of Birds	Start time	Start height	No. of 15 second intervals spent flying within each height band					Notes
									1	2	3	4	5	
08/08/2018	2B	09:00	12:00	17	Red-throated diver	1	11:20	5					12	
18/04/2019	2B	09:20	12:20	18	Greenshank	2	09:22	2		5	2			Displaying
18/04/2019	2B	09:20	12:20	19	Dunlin	1	09:40	1	2					
18/04/2019	2B	09:20	12:20	20	Greenshank	1	09:55	2		4				Displaying
18/04/2019	2B	09:20	12:20	21	Golden plover	1	09:56	1	2	1				
18/04/2019	2B	09:20	12:20	22	Greenshank	1	11:30	1	2	2				Displaying
26/07/2018	3	12:30	15:30	23	Hen harrier	1	13:20	1	2	4	2	2	3	
29/08/2018	4	15:40	18:40	24	Hen harrier	1	18:03	2	6	4				Male hunting
19/03/2019	3	12:55	15:55	25	Lapwing	11	12:55	1						Active for duration of VP
19/04/2019	3	10:00	13:00	26	Greylag goose	6	11:36	4				3		
09/05/2018	4	13:10	16:10	27	Greenshank	1	15:30	5				5	3	
09/08/2018	6	08:30	11:30	28	Honey buzzard	1	09:03	2	1	2				Flew between electricity pole and tree, landed
09/08/2018	6	08:30	11:30	29	Honey buzzard	1	09:32	2		9				Same bird as above, hunting
10/05/2018	5	08:30	11:30	30	Greylag goose	2	10:25	4				8		
10/05/2018	5	08:30	11:30	31	Greylag goose	2	10:30	4				7		
19/03/2019	5	09:25	12:25	32	Greylag goose	2	10:08	2		2				
19/03/2019	5	09:25	12:25	33	Greylag goose	1	10:09	2	1					
19/03/2019	5	09:25	12:25	34	Greylag goose	2	11:47	2	1					
01/04/2019	5	09:10	12:10	35	Greylag goose	21	10:01	2		15				
27/07/2018	6	08:30	11:30	36	Red-throated diver	1	09:40	3			8			
27/08/2018	6	11:40	14:40	37	Honey buzzard	1	12:30	2	1	8				Landed on tree and remained for duration of

Date	VP	Survey Start	Survey Finish	Flight No.	Species	No. of Birds	Start time	Start height	No. of 15 second intervals spent flying within each height band					Notes
									1	2	3	4	5	
														survey, occasionally calling.
31/08/2018	6	05:40	08:40	38	Red-throated diver	2	06:39	3			8			
31/08/2018	6	05:40	08:40	39	Red-throated diver	2	07:12	4				8		Flying south
01/04/2019	6	13:00	16:00	40	Greylag goose	3	14:12	3			5			Flying south
01/04/2019	6	13:00	16:00	41	Greylag goose	2	14:13	2		4				Flying north
01/04/2019	6	13:00	16:00	42	Greylag goose	2	15:52	2		3				

8.1.2 A total of 12 species of conservation concern were recorded as breeding within the breeding bird survey area, locations are shown on **Figure 8.5**. **Table 8-3** below lists the species recorded during BBS, number of territories recorded and the conservation status of each species.

Table 8-3: Breeding Bird Survey (BBS) Results

Common Name	Scientific Name	Number of Territories	Conservation Status
Cuckoo	<i>Cuculus canorus</i>	1	Red
Common sandpiper	<i>Actitis hypoleucos</i>	1	Amber
Dunnock	<i>Prunella modularis</i>	2	Amber
Dunlin	<i>Calidris Alpina</i>	2	Amber
Grey wagtail	<i>Motacilla cinerea</i>	1	Red
Golden plover	<i>Pluvialis apricaria</i>	2	Annex I
Lesser redpoll	<i>Carduelis cabaret</i>	4	Red
Meadow pipit	<i>Anthus pratensis</i>	38	Amber
Pied flycatcher	<i>Ficedula hypoleuca</i>	1	Red
Skylark	<i>Alauda arvensis</i>	17	Red
Snipe	<i>Gallinago gallinago</i>	8	Amber
Willow warbler	<i>Phylloscopus trochilus</i>	3	Amber

8.1.3 Six lek sites were identified during black grouse lek surveys, the locations of leks are shown in **Figure 8.8** with details on the number of displaying males at each lek and the number of females present at each lek provided in **Table 8-4** below.

Table 8-4: Black Grouse Survey Results

ID	Location			Number of displaying males	Number of females
1	NC	564	243	1	0
2	NC	560	216	3	0
3	NC	569	219	1	0
4	NC	562	167	2	1
5	NC	594	140	3	1
6	NC	597	144	1	0