



## **APPENDIX 7-2**

***SURVEY EFFORT***

## **Appendix 7-2 – Survey Effort**

Coole Wind Farm  
Development, Co. Westmeath





## DOCUMENT DETAILS

Client: **Coole Wind Farm Ltd**

Project Title: **Coole Wind Farm Development, Co. Westmeath**

Project Number: **200445**

Document Title: **Appendix 7-2 – Survey Effort**

Document File Name: **Ch7 Ornithology F - 2021.03.15 - 200445**

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Rev	Status	Date	Author(s)	Approved By
01	Draft	27/11/2020	MP	MP
02	Draft	27/01/2021	MP	PC
03	Final	15/03/2021	MP	PC

# Table of Contents

## TABLE OF TABLES

<i>Table 1-1 Vantage Point Survey Effort</i> .....	1
<i>Table 1-2 Breeding Bird Survey Effort</i> .....	16
<i>Table 1-3 Breeding Raptor Survey Effort</i> .....	23
<i>Table 1-4 Winter Transect Survey Effort</i> .....	27
<i>Table 1-5 Wildfowl Survey Effort</i> .....	31
<i>Table 1-6 Woodcock Survey Effort</i> .....	41

1.

## APPENDIX 7-2 (SURVEY EFFORT)

Table 1-1 Vantage Point Survey Effort

Date	Survey Method	VP	Survey Duration	Weather Conditions	Comments	Surveyor
27/10/2015	Vantage Point Survey	VP4	03:00 starting at 06:15	wind speed and direction:Light Breeze, SE; visibility: Good (>2km); Rain: Light Showers; Frost: None ; Snow: None		DM
27/10/2015	Vantage Point Survey	VP4	03:00 starting at 15:10	wind speed and direction:Light Breeze, SE; visibility: Good (>2km); Rain: Light Showers; Frost: None ; Snow: None		DM
28/10/2015	Vantage Point Survey	VP3	03:00 starting at 06:15	wind speed and direction:, S; visibility: ; Rain: Light Showers; Frost: None ; Snow: None		DM
28/10/2015	Vantage Point Survey	VP3	03:00 starting at 15:10	wind speed and direction:, S; visibility: ; Rain: Light Showers; Frost: None ; Snow: None		
25/11/2015	Vantage Point Survey	VP4	06:00 starting at 08:50	wind speed and direction:Light Breeze, NW; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None	Machinery working on cut-away	John Carey
06/12/2015	Vantage Point Survey	VP3	06:37 starting at 08:55	wind speed and direction:Gentle Breeze, SW; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		PT
10/12/2015	Vantage Point Survey	VP4	05:20 starting at 11:28	wind speed and direction:Moderate Breeze, SW; visibility: Good (>2km); Rain: Light Showers; Frost: None ; Snow: None		PT
11/12/2015	Vantage Point Survey	VP4	00:40 starting at 09:14	wind speed and direction:Moderate Breeze, W; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		PT
22/12/2015	Vantage Point Survey	VP3	04:30 starting at 08:00	wind speed and direction:Moderate Breeze, SW; visibility: Good (>2km); Rain: Light Showers; Frost: None ; Snow: None		PT
22/12/2015	Vantage Point Survey	VP3	01:58 starting at 15:08	wind speed and direction:Moderate Breeze, SW; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		PT
23/12/2015	Vantage Point Survey	VP3	00:30 starting at 12:50	wind speed and direction:Moderate Breeze, S; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		PT
10/01/2016	Vantage Point Survey	VP4	07:00 starting at 07:45	wind speed and direction:Light Breeze, SW; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		John Carey
14/01/2016	Vantage Point Survey	VP3	06:27 starting at 07:40	wind speed and direction:Gentle Breeze, W; visibility: Good (>2km); Rain: Heavy Showers; Frost: On site; Snow: None	Compromised flight detectability for first 30 minutes of watch - poor light	PT
11/02/2016	Vantage Point Survey	VP3	02:50 starting at 15:40	wind speed and direction:Light Breeze, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		PT
13/02/2016	Vantage Point Survey	VP3	03:00 starting at 07:44	wind speed and direction:Gentle Breeze, E; visibility: Good (>2km); Rain: Light Showers; Frost: None ; Snow: None		PT
15/02/2016	Vantage Point Survey	VP4	06:00 starting at 12:20	wind speed and direction:Light Air, NW; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		John Carey
04/03/2016	Vantage Point Survey	VP3	03:00 starting at 11:55	wind speed and direction:Moderate Breeze, N; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		SD
04/03/2016	Vantage Point Survey	VP3	03:00 starting at 15:14	wind speed and direction:Fresh Breeze, N; visibility: Good (>2km); Rain: Light Showers; Frost: None ; Snow: None		SD

06/03/2016	Vantage Point Survey	VP4	03:00 starting at 06:28	wind speed and direction:Light Breeze, S; visibility: Good (>2km); Rain: Drizzle Mist; Frost: None ; Snow: None		PT
14/03/2016	Vantage Point Survey	VP4	03:00 starting at 06:00	wind speed and direction:Light Breeze, SE; visibility: Limited (<500m); Rain: None; Frost: None ; Snow: None		John Carey
10/04/2016	Vantage Point Survey	VP3	03:00 starting at 05:53	wind speed and direction:Gentle Breeze, NE; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		PT
10/04/2016	Vantage Point Survey	VP3	03:35 starting at 10:22	wind speed and direction:Fresh Breeze, E; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		PT
20/04/2016	Vantage Point Survey	VP4	03:05 starting at 18:35	wind speed and direction:Gentle Breeze, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None	Sunset 2040	PT
21/04/2016	Vantage Point Survey	VP3	03:00 starting at 14:45	wind speed and direction:Light Breeze, E; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		John Carey
21/04/2016	Vantage Point Survey	VP3	03:00 starting at 18:30	wind speed and direction:Light Air, SE; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		John Carey
21/04/2016	Vantage Point Survey	VP4	03:00 starting at 06:15	wind speed and direction:Light Breeze, ; visibility: Good (>2km); Rain: None; Frost: On site; Snow: None	sunrise 0615; bulldozer on cutover from 0812	PT
09/05/2016	Vantage Point Survey	VP4	03:00 starting at 04:40	wind speed and direction:Light Breeze, SE; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None	Sunrise (05:40)	John Carey
09/05/2016	Vantage Point Survey	VP4	03:00 starting at 08:45	wind speed and direction:Light Breeze, E; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		John Carey
20/05/2016	Vantage Point Survey	VP3	03:00 starting at 04:30	wind speed and direction:Moderate Breeze, SW; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		SD
20/05/2016	Vantage Point Survey	VP3	03:00 starting at 08:00	wind speed and direction:Fresh Breeze, SW; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		SD
30/05/2016	Vantage Point Survey	VP4	03:00 starting at 16:00	wind speed and direction:Light Air, NE; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None	Large white butterflies on wildflowers for duration. 1720 Disturbance - tractor and truck drive across bog - nothing flushed.	SD
30/05/2016	Vantage Point Survey	VP4	03:00 starting at 19:30	wind speed and direction:Light Air, NE; visibility: Moderate (1-2km); Rain: None; Frost: None ; Snow: None	Tractor working on cut peat for survey duration. 2 MA fly over cut peat SE to NW during survey break (19:25) - incidental.	SD
11/06/2016	Vantage Point Survey	VP3	03:00 starting at 11:00	wind speed and direction:Light Breeze, S; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		John Carey
11/06/2016	Vantage Point Survey	VP3	03:00 starting at 14:30	wind speed and direction:Light Air, S; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		John Carey
18/06/2016	Vantage Point Survey	VP4	03:00 starting at 10:15	wind speed and direction:Light Breeze, SW; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		John Carey
18/06/2016	Vantage Point Survey	VP4	03:00 starting at 13:45	wind speed and direction:Light Breeze, SW; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		John Carey
12/07/2016	Vantage Point Survey	VP3	06:30 starting at 12:51	wind speed and direction:Gentle Breeze, W; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		PT
20/07/2016	Vantage Point Survey	VP4	01:00 starting at 08:25	wind speed and direction:Gentle Breeze, NW; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		John Carey
20/07/2016	Vantage Point Survey	VP4	01:00 starting at 09:25	wind speed and direction:Light Breeze, NW; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		John Carey

20/07/2016	Vantage Point Survey	VP4	01:00 starting at 10:25	wind speed and direction:Gentle Breeze, NW; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		John Carey
20/07/2016	Vantage Point Survey	VP4	01:00 starting at 11:55	wind speed and direction:Gentle Breeze, NW; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		John Carey
20/07/2016	Vantage Point Survey	VP4	01:00 starting at 12:55	wind speed and direction:Gentle Breeze, NW; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		John Carey
20/07/2016	Vantage Point Survey	VP4	01:00 starting at 13:55	wind speed and direction:Gentle Breeze, NW; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		John Carey
13/08/2016	Vantage Point Survey	VP3	01:00 starting at 11:30	wind speed and direction:Light Breeze, S; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		John Carey
13/08/2016	Vantage Point Survey	VP3	01:00 starting at 12:30	wind speed and direction:Light Breeze, S; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		John Carey
13/08/2016	Vantage Point Survey	VP3	01:00 starting at 13:30	wind speed and direction:Light Breeze, S; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		John Carey
13/08/2016	Vantage Point Survey	VP3	01:00 starting at 15:00	wind speed and direction:Light Breeze, S; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		John Carey
13/08/2016	Vantage Point Survey	VP3	01:00 starting at 16:00	wind speed and direction:Light Breeze, S; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		John Carey
13/08/2016	Vantage Point Survey	VP3	01:00 starting at 17:00	wind speed and direction:Light Breeze, S; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		John Carey
26/08/2016	Vantage Point Survey	VP4	01:00 starting at 11:30	wind speed and direction:Light Breeze, N; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		John Carey
26/08/2016	Vantage Point Survey	VP4	01:00 starting at 12:30	wind speed and direction:Light Air, N; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		John Carey
26/08/2016	Vantage Point Survey	VP4	01:00 starting at 13:30	wind speed and direction:Light Air, N; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		John Carey
26/08/2016	Vantage Point Survey	VP4	01:00 starting at 15:00	wind speed and direction:Light Air, N; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		John Carey
26/08/2016	Vantage Point Survey	VP4	01:00 starting at 16:00	wind speed and direction:Light Air, N; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		John Carey
26/08/2016	Vantage Point Survey	VP4	01:00 starting at 17:00	wind speed and direction:Light Air, N; visibility: Good (>2km); Rain: Drizzle Mist; Frost: None ; Snow: None		John Carey
15/09/2016	Vantage Point Survey	VP3	01:00 starting at 14:25	wind speed and direction:Light Breeze, SW; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		John Carey
15/09/2016	Vantage Point Survey	VP3	01:00 starting at 15:25	wind speed and direction:Light Air, SW; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		John Carey
15/09/2016	Vantage Point Survey	VP3	01:00 starting at 16:25	wind speed and direction:Light Air, SW; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		John Carey
15/09/2016	Vantage Point Survey	VP3	01:00 starting at 17:25	wind speed and direction:Light Air, SW; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		John Carey
15/09/2016	Vantage Point Survey	VP3	01:00 starting at 18:25	wind speed and direction:Light Air, SW; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		John Carey
15/09/2016	Vantage Point Survey	VP3	01:00 starting at 19:25	wind speed and direction:Light Air, SW; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		John Carey

30/09/2016	Vantage Point Survey	VP4	06:35 starting at 06:45	wind speed and direction: Moderate Breeze, SW; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None	dawn watch	PT
18/10/2016	Vantage Point Survey	VP3	01:00 starting at 07:00	wind speed and direction: Light Air, S; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		John Carey
18/10/2016	Vantage Point Survey	VP3	01:00 starting at 08:00	wind speed and direction: Light Air, S; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		John Carey
18/10/2016	Vantage Point Survey	VP3	01:00 starting at 09:00	wind speed and direction: Light Air, S; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		John Carey
18/10/2016	Vantage Point Survey	VP3	01:00 starting at 10:45	wind speed and direction: Light Air, S; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		John Carey
18/10/2016	Vantage Point Survey	VP3	01:00 starting at 11:45	wind speed and direction: Light Breeze, S; visibility: ; Rain: None; Frost: None ; Snow: None		John Carey
18/10/2016	Vantage Point Survey	VP3	01:00 starting at 12:45	wind speed and direction: Light Breeze, S; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		John Carey
29/10/2016	Vantage Point Survey	VP4	01:00 starting at 12:30	wind speed and direction: Light Breeze, SE; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		John Carey
29/10/2016	Vantage Point Survey	VP4	01:00 starting at 13:30	wind speed and direction: Light Breeze, SE; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		John Carey
29/10/2016	Vantage Point Survey	VP4	01:00 starting at 14:30	wind speed and direction: Light Breeze, SE; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		John Carey
29/10/2016	Vantage Point Survey	VP4	01:00 starting at 16:00	wind speed and direction: Light Breeze, SW; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		John Carey
29/10/2016	Vantage Point Survey	VP4	01:00 starting at 17:00	wind speed and direction: Light Breeze, SW; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		John Carey
29/10/2016	Vantage Point Survey	VP4	01:00 starting at 18:00	wind speed and direction: ; visibility: Moderate (1-2km); Rain: None; Frost: None ; Snow: None		John Carey
23/11/2016	Vantage Point Survey	VP3	06:30 starting at 10:55	wind speed and direction: Gentle Breeze, N; visibility: Moderate (1-2km); Rain: None; Frost: On site; Snow: None	dusk watch	PT
28/11/2016	Vantage Point Survey	VP4	01:00 starting at 12:55	wind speed and direction: Light Breeze, S; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None	Some machine digging on bog. All drained reclaimed, lots of spoil heaps on bog surface.	John Carey
28/11/2016	Vantage Point Survey	VP4	01:00 starting at 13:55	wind speed and direction: Light Breeze, S; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		John Carey
28/11/2016	Vantage Point Survey	VP4	01:00 starting at 14:55	wind speed and direction: Light Air, S; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		John Carey
29/11/2016	Vantage Point Survey	VP4	03:00 starting at 07:20	wind speed and direction: Light Air, ; visibility: Moderate (1-2km); Rain: None; Frost: None ; Snow: None	digger clearing cutover drains from 0750, far side of bog	PT
17/12/2016	Vantage Point Survey	VP3	03:00 starting at 13:15	wind speed and direction: Gentle Breeze, S; visibility: Moderate (1-2km); Rain: None; Frost: None ; Snow: None		PT
18/12/2016	Vantage Point Survey	VP3	03:00 starting at 07:45	wind speed and direction: Gentle Breeze, SE; visibility: Moderate (1-2km); Rain: None; Frost: None ; Snow: None	dawn watch	PT
18/12/2016	Vantage Point Survey	VP4	03:00 starting at 14:10	wind speed and direction: Gentle Breeze, S; visibility: Moderate (1-2km); Rain: None; Frost: None ; Snow: None	dusk watch	PT
19/12/2016	Vantage Point Survey	VP4	03:00 starting at 09:00	wind speed and direction: Gentle Breeze, NW; visibility: Moderate (1-2km); Rain: None; Frost: None ; Snow: None		PT



16/01/2017	Vantage Point Survey	VP3	03:00 starting at 11:15	wind speed and direction:Light Breeze, W; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		PT
16/01/2017	Vantage Point Survey	VP3	03:00 starting at 14:45	wind speed and direction:Light Air, SW; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		PT
28/01/2017	Vantage Point Survey	VP4	01:00 starting at 07:20	wind speed and direction:Light Breeze, SW; visibility: Poor (<km); Rain: None; Frost: None ; Snow: None		PT
28/01/2017	Vantage Point Survey	VP4	02:00 starting at 10:40	wind speed and direction:Light Air, S; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		PT
28/01/2017	Vantage Point Survey	VP4	03:00 starting at 13:10	wind speed and direction:Gentle Breeze, W; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		PT
05/03/2017	Vantage Point Survey	VP4	03:00 starting at 12:45	wind speed and direction:Light Breeze, NW; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		PT
05/03/2017	Vantage Point Survey	VP4	03:00 starting at 16:15	wind speed and direction:Light Breeze, W; visibility: Good (>2km); Rain: Light Showers; Frost: None ; Snow: None	dusk watch	PT
06/03/2017	Vantage Point Survey	VP3	03:00 starting at 06:05	wind speed and direction:Light Air, S; visibility: Good (>2km); Rain: None; Frost: On site; Snow: None	dawn watch; sunrise 0705; pine marten along road	PT
06/03/2017	Vantage Point Survey	VP3	03:00 starting at 12:45	wind speed and direction:Light Air, SW; visibility: Good (>2km); Rain: Light Showers; Frost: None ; Snow: None		PT
26/03/2017	Vantage Point Survey	VP3	03:00 starting at 12:35	wind speed and direction:Gentle Breeze, NE; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		PT
26/03/2017	Vantage Point Survey	VP3	03:00 starting at 17:55	wind speed and direction:Gentle Breeze, NE; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		PT
27/03/2017	Vantage Point Survey	VP4	03:00 starting at 06:15	wind speed and direction:Light Breeze, E; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		PT
27/03/2017	Vantage Point Survey	VP4	03:10 starting at 12:50	wind speed and direction:Light Breeze, E; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		PT
03/04/2017	Vantage Point Survey	VP4	01:00 starting at 14:35	wind speed and direction:Moderate Breeze, SW; visibility: Moderate (1-2km); Rain: Heavy Rain; Frost: None ; Snow: None		PM
03/04/2017	Vantage Point Survey	VP4	01:00 starting at 15:35	wind speed and direction:Moderate Breeze, SW; visibility: Moderate (1-2km); Rain: Heavy Showers; Frost: None ; Snow: None		PM
03/04/2017	Vantage Point Survey	VP4	01:00 starting at 16:35	wind speed and direction:Moderate Breeze, SW; visibility: Moderate (1-2km); Rain: Heavy Showers; Frost: None ; Snow: None		PM
03/04/2017	Vantage Point Survey	VP4	01:00 starting at 18:05	wind speed and direction:Moderate Breeze, SW; visibility: Good (>2km); Rain: Heavy Showers; Frost: None ; Snow: None		PM
03/04/2017	Vantage Point Survey	VP4	01:00 starting at 19:05	wind speed and direction:Moderate Breeze, SW; visibility: Moderate (1-2km); Rain: Heavy Rain; Frost: None ; Snow: None		PM
03/04/2017	Vantage Point Survey	VP4	01:00 starting at 20:05	wind speed and direction:Gentle Breeze, SW; visibility: Poor (<km); Rain: Heavy Showers; Frost: None ; Snow: None		PM
04/04/2017	Vantage Point Survey	VP3	01:00 starting at 14:38	wind speed and direction:Gentle Breeze, W; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		PM
04/04/2017	Vantage Point Survey	VP3	01:00 starting at 15:38	wind speed and direction:Gentle Breeze, W; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		PM
04/04/2017	Vantage Point Survey	VP3	01:00 starting at 16:38	wind speed and direction:Light Breeze, W; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		PM

04/04/2017	Vantage Point Survey	VP3	01:00 starting at 18:08	wind speed and direction:Light Breeze, W; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		PM
04/04/2017	Vantage Point Survey	VP3	01:00 starting at 19:08	wind speed and direction:Light Breeze, W; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		PM
04/04/2017	Vantage Point Survey	VP3	01:00 starting at 20:08	wind speed and direction:Light Breeze, W; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		PM
11/05/2017	Vantage Point Survey	VP3	01:00 starting at 04:36	Wind Speed and Direction:Light Breeze, E; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None		PM
11/05/2017	Vantage Point Survey	VP3	01:00 starting at 05:36	Wind Speed and Direction:Light Breeze, E; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None		PM
11/05/2017	Vantage Point Survey	VP3	01:00 starting at 06:36	Wind Speed and Direction:Light Breeze, E; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None		PM
11/05/2017	Vantage Point Survey	VP3	01:00 starting at 08:06	Wind Speed and Direction:Light Air, E; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None		PM
11/05/2017	Vantage Point Survey	VP3	01:00 starting at 09:06	Wind Speed and Direction:Light Air, E; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None		PM
11/05/2017	Vantage Point Survey	VP3	01:00 starting at 10:06	Wind Speed and Direction:Light Air, E; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None		PM
12/05/2017	Vantage Point Survey	VP4	01:00 starting at 04:34	Wind Speed and Direction:Calm, E; Visibility: Moderate (1-2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: Light Showers; Frost: None ; Snow: None		PM
12/05/2017	Vantage Point Survey	VP4	01:00 starting at 05:34	Wind Speed and Direction:Calm, E; Visibility: Moderate (1-2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: Light Showers; Frost: None ; Snow: None		PM
12/05/2017	Vantage Point Survey	VP4	01:00 starting at 06:34	Wind Speed and Direction:Calm, E; Visibility: Moderate (1-2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: Light Showers; Frost: None ; Snow: None		PM
12/05/2017	Vantage Point Survey	VP4	01:00 starting at 08:04	Wind Speed and Direction:Light Air, E; Visibility: Moderate (1-2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: Light Showers; Frost: None ; Snow: None		PM
12/05/2017	Vantage Point Survey	VP4	01:00 starting at 09:04	Wind Speed and Direction:Light Air, E; Visibility: Moderate (1-2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		PM
12/05/2017	Vantage Point Survey	VP4	01:00 starting at 10:04	Wind Speed and Direction:Light Air, E; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		PM
02/06/2017	Vantage Point Survey	VP3	03:00 starting at 09:10	Wind Speed and Direction:Light Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		PM
02/06/2017	Vantage Point Survey	VP3	03:00 starting at 12:40	Wind Speed and Direction:Light Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		PM
02/06/2017	Vantage Point Survey	VP4	03:00 starting at 09:00	wind speed and direction:Light Breeze, S; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		DM
02/06/2017	Vantage Point Survey	VP4	03:00 starting at 12:30	wind speed and direction:Light Breeze, S; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		DM
11/07/2017	Vantage Point Survey	VP4	01:00 starting at 12:45	wind speed and direction:Light Breeze, N; visibility: Moderate (1-2km); Rain: Light Showers; Frost: None ; Snow: None		PM
11/07/2017	Vantage Point Survey	VP4	02:00 starting at 13:45	wind speed and direction:Light Breeze, N; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		PM
11/07/2017	Vantage Point Survey	VP4	03:00 starting at 16:15	wind speed and direction:Light Breeze, N; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		PM

12/07/2017	Vantage Point Survey	VP3	03:00 starting at 09:10	wind speed and direction:Light Air, NE; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		PM
12/07/2017	Vantage Point Survey	VP3	03:00 starting at 12:40	wind speed and direction:Light Air, NE; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		PM
28/08/2017	Vantage Point Survey	VP4	03:00 starting at 05:30	wind speed and direction:Gentle Breeze, SW; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		DM
28/08/2017	Vantage Point Survey	VP4	03:00 starting at 09:00	wind speed and direction:Moderate Breeze, SW; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		DM
29/08/2017	Vantage Point Survey	VP3	01:00 starting at 05:35	wind speed and direction:Calm, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		DM
29/08/2017	Vantage Point Survey	VP3	02:00 starting at 06:35	wind speed and direction:Calm, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		DM
29/08/2017	Vantage Point Survey	VP3	02:00 starting at 09:05	wind speed and direction:Calm, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		DM
29/08/2017	Vantage Point Survey	VP3	01:00 starting at 11:05	wind speed and direction:Light Air, SW; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		DM
06/09/2017	Vantage Point Survey	VP3	01:00 starting at 14:36	Wind Speed and Direction:Gentle Breeze, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 3 Rain: None; Frost: None ; Snow: None		JH
06/09/2017	Vantage Point Survey	VP3	01:00 starting at 15:36	Wind Speed and Direction:Gentle Breeze, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 3 Rain: None; Frost: None ; Snow: None		JH
06/09/2017	Vantage Point Survey	VP3	01:00 starting at 16:36	Wind Speed and Direction:Light Breeze, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 3 Rain: None; Frost: None ; Snow: None		JH
06/09/2017	Vantage Point Survey	VP3	01:00 starting at 18:06	Wind Speed and Direction:Light Breeze, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 3 Rain: None; Frost: None ; Snow: None		JH
06/09/2017	Vantage Point Survey	VP3	01:00 starting at 19:06	Wind Speed and Direction:Light Breeze, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 3 Rain: None; Frost: None ; Snow: None		JH
06/09/2017	Vantage Point Survey	VP3	01:00 starting at 20:06	Wind Speed and Direction:Light Breeze, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 3 Rain: None; Frost: None ; Snow: None		JH
07/09/2017	Vantage Point Survey	VP4	01:00 starting at 14:34	Wind Speed and Direction:Gentle Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 3 Rain: None; Frost: None ; Snow: None		JH
07/09/2017	Vantage Point Survey	VP4	01:00 starting at 15:34	Wind Speed and Direction:Gentle Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 3 Rain: None; Frost: None ; Snow: None		JH
07/09/2017	Vantage Point Survey	VP4	01:00 starting at 16:34	Wind Speed and Direction:Moderate Breeze, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 3 Rain: Drizzle Mist; Frost: None ; Snow: None		JH
07/09/2017	Vantage Point Survey	VP4	01:00 starting at 18:04	Wind Speed and Direction:Moderate Breeze, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 3 Rain: Drizzle Mist; Frost: None ; Snow: None		JH
07/09/2017	Vantage Point Survey	VP4	01:00 starting at 19:04	Wind Speed and Direction:Moderate Breeze, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 3 Rain: Drizzle Mist; Frost: None ; Snow: None		JH
07/09/2017	Vantage Point Survey	VP4	01:00 starting at 20:04	Wind Speed and Direction:Gentle Breeze, W; Visibility: Moderate (1-2km); Cloud Height: >500m; Cloud Cover %: 3 Rain: Drizzle Mist; Frost: None ; Snow: None		JH
16/04/2018	Vantage Point Survey	VP3	01:00 starting at 05:25	Wind Speed and Direction:Light Breeze, s; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66 Rain: None; Frost: None; Snow: None		DM

16/04/2018	Vantage Point Survey	VP3	02:00 starting at 06:25	Wind Speed and Direction:Light Breeze, s; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None; Snow: None		DM
16/04/2018	Vantage Point Survey	VP3	01:00 starting at 08:55	Wind Speed and Direction:Gentle Breeze, s; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66 Rain: None; Frost: None; Snow: None		DM
16/04/2018	Vantage Point Survey	VP3	02:00 starting at 09:55	Wind Speed and Direction:Moderate Breeze, s; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None; Snow: None		DM
17/04/2018	Vantage Point Survey	VP5	02:00 starting at 05:25	Wind Speed and Direction:Gentle Breeze, s; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66 Rain: None; Frost: None; Snow: None		DM
17/04/2018	Vantage Point Survey	VP5	01:00 starting at 07:25	Wind Speed and Direction:Gentle Breeze, s; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None; Snow: None		DM
17/04/2018	Vantage Point Survey	VP5	02:00 starting at 08:55	Wind Speed and Direction:Moderate Breeze, s; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66 Rain: None; Frost: None; Snow: None		DM
17/04/2018	Vantage Point Survey	VP5	01:00 starting at 10:55	Wind Speed and Direction:Fresh Breeze, s; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66 Rain: None; Frost: None; Snow: None		DM
24/05/2018	Vantage Point Survey	VP3	03:00 starting at 16:05	Wind Speed and Direction:Light Air, e; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None; Snow: None		DM
24/05/2018	Vantage Point Survey	VP3	03:00 starting at 19:35	Wind Speed and Direction:Calm, ; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None; Snow: None		DM
29/05/2018	Vantage Point Survey	VP5	06:30 starting at 16:15	Wind Speed and Direction:Light Breeze, E; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None; Snow: None	21:55 Pine Martin seen	DM
07/06/2018	Vantage Point Survey	VP3	03:30 starting at 09:00	Wind Speed and Direction:Light Air, E; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33 Rain: None; Frost: None ; Snow: None		DM
07/06/2018	Vantage Point Survey	VP3	03:00 starting at 12:30	Wind Speed and Direction:Light Breeze, E; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33 Rain: None; Frost: None ; Snow: None	14:00 female cuckoo flew past VP.Wood white and common blue seen	DM
13/06/2018	Vantage Point Survey	VP5	03:30 starting at 08:40	Wind Speed and Direction:Light Breeze, S; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		DM
13/06/2018	Vantage Point Survey	VP5	03:00 starting at 12:10	Wind Speed and Direction:Gentle Breeze, S; Visibility: No Visibility; Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		DM

11/07/2018	Vantage Point Survey	VP3	03:00 starting at 09:00	Wind Speed and Direction:Light Breeze, N; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		DM
12/07/2018	Vantage Point Survey	VP3	02:30 starting at 12:30	Wind Speed and Direction:Light Air, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		DM
12/07/2018	Vantage Point Survey	VP5	03:00 starting at 09:00	Wind Speed and Direction:Light Breeze, N; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		DM
12/07/2018	Vantage Point Survey	VP5	03:00 starting at 12:30	Wind Speed and Direction:Light Breeze, N; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		DM
06/08/2018	Vantage Point Survey	VP3	03:00 starting at 09:00	Wind Speed and Direction:Gentle Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		PM
06/08/2018	Vantage Point Survey	VP3	02:00 starting at 12:30	Wind Speed and Direction:Gentle Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: Light Showers; Frost: None ; Snow: None		PM
06/08/2018	Vantage Point Survey	VP3	01:00 starting at 14:30	Wind Speed and Direction:Gentle Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		PM
22/08/2018	Vantage Point Survey	VP5	03:00 starting at 10:30	Wind Speed and Direction:Gentle Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		PM
22/08/2018	Vantage Point Survey	VP5	03:00 starting at 14:00	Wind Speed and Direction:Gentle Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		PM
25/09/2018	Vantage Point Survey	VP5	03:00 starting at 06:20	Wind Speed and Direction:Light Air, S; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		PM
25/09/2018	Vantage Point Survey	VP5	03:00 starting at 09:50	Wind Speed and Direction:Light Air, S; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		PM
27/09/2018	Vantage Point Survey	VP3	03:00 starting at 06:23	Wind Speed and Direction:Light Breeze, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		PM
27/09/2018	Vantage Point Survey	VP3	03:00 starting at 09:53	Wind Speed and Direction:Light Breeze, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		PM
03/10/2018	Vantage Point	VP3	03:00 starting at 13:31	Wind Speed and Direction:Light Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		PM
03/10/2018	Vantage Point	VP3	03:00 starting at 17:01	Wind Speed and Direction:Light Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		PM

04/10/2 018	Vantage Point	VP5	01:00 starting at 13:28	Wind Speed and Direction:Light Breeze, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	PM
04/10/2 018	Vantage Point	VP5	02:00 starting at 14:28	Wind Speed and Direction:Light Breeze, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: Light Showers; Frost: None ; Snow: None	PM
04/10/2 018	Vantage Point	VP5	03:00 starting at 16:58	Wind Speed and Direction:Light Breeze, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: Light Showers; Frost: None ; Snow: None	PM
02/11/2 018	Vantage Point	VP3	01:00 starting at 06:30	Wind Speed and Direction:Light Air, S; Visibility: Poor (<km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: Heavy; Snow: None	PM
02/11/2 018	Vantage Point	VP3	02:00 starting at 07:30	Wind Speed and Direction:Light Air, S; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: Heavy; Snow: None	PM
02/11/2 018	Vantage Point	VP3	03:00 starting at 10:00	Wind Speed and Direction:Light Air, S; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	PM
09/11/2 018	Vantage Point	VP5	03:00 starting at 06:44	Wind Speed and Direction:Gentle Breeze, SE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	PM
09/11/2 018	Vantage Point	VP5	01:00 starting at 10:14	Wind Speed and Direction:Gentle Breeze, SE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	PM
09/11/2 018	Vantage Point	VP5	02:00 starting at 11:14	Wind Speed and Direction:Gentle Breeze, SE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: Heavy Showers; Frost: None ; Snow: None	PM
04/12/2 018	Vantage Point	VP5	03:00 starting at 07:27	Wind Speed and Direction:Light Air, S; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	PM
04/12/2 018	Vantage Point	VP5	03:00 starting at 10:57	Wind Speed and Direction:Light Air, S; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	PM
07/12/2 018	Vantage Point	VP3	03:00 starting at 07:30	Wind Speed and Direction:Gentle Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: Light Showers; Frost: None ; Snow: None	PM
07/12/2 018	Vantage Point	VP3	02:00 starting at 11:00	Wind Speed and Direction:Gentle Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: Light Showers; Frost: None ; Snow: None	PM
07/01/2 019	Vantage Point	VP3	03:00 starting at 11:56	Wind Speed and Direction:Gentle Breeze, SW; Visibility: Moderate (1-2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: Light Showers; Frost: None ; Snow: None	PM
07/01/2 019	Vantage Point	VP3	03:00 starting at 14:26	Wind Speed and Direction:Light Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	PM
11/01/2 019	Vantage Point	VP5	03:00 starting at 11:02	Wind Speed and Direction:Light Breeze, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	PM
11/01/2 019	Vantage Point	VP5	03:00 starting at 14:32	Wind Speed and Direction:Light Breeze, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	PM
19/02/2 019	Vantage Point	VP5	03:00 starting at 12:16	Wind Speed and Direction:Gentle Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: Heavy Rain; Frost: None ; Snow: None	PM
19/02/2 019	Vantage Point	VP5	03:00 starting at 15:46	Wind Speed and Direction:Gentle Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: Heavy Rain; Frost: None ; Snow: None	PM
20/02/2 019	Vantage Point	VP3	03:00 starting at 12:18	Wind Speed and Direction:Gentle Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	PM
20/02/2 019	Vantage Point	VP3	03:00 starting at 15:48	Wind Speed and Direction:Gentle Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	PM
06/03/2 019	Vantage Point	VP5	03:00 starting at 06:06	Wind Speed and Direction:Light Breeze, NW; Visibility: Good (>2km); Cloud Height: <1.50m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	PM

06/03/2019	Vantage Point	VP5	01:00 starting at 09:36	Wind Speed and Direction:Light Breeze, NW; Visibility: Good (>2km); Cloud Height: <150m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		PM
06/03/2019	Vantage Point	VP5	02:00 starting at 10:36	Wind Speed and Direction:Light Breeze, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		PM
07/03/2019	Vantage Point	VP3	03:00 starting at 06:04	Wind Speed and Direction:Light Breeze, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		PM
07/03/2019	Vantage Point	VP3	03:00 starting at 09:34	Wind Speed and Direction:Light Breeze, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		PM
01/04/2019	Vantage Point	VP5	03:00 starting at 14:34	Wind Speed and Direction:Light Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		PM
01/04/2019	Vantage Point	VP5	01:00 starting at 18:04	Wind Speed and Direction:Light Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		PM
01/04/2019	Vantage Point	VP5	02:00 starting at 19:04	Wind Speed and Direction:Light Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: Light Showers; Frost: None ; Snow: None		PM
02/04/2019	Vantage Point	VP3	03:00 starting at 14:35	Wind Speed and Direction:Light Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: Light Showers; Frost: None ; Snow: None		PM
02/04/2019	Vantage Point	VP3	03:00 starting at 18:05	Wind Speed and Direction:Light Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		PM
01/05/2019	Vantage Point	VP3	03:00 starting at 04:55	Wind Speed and Direction:Light Air, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None		PM
01/05/2019	Vantage Point	VP3	02:00 starting at 08:25	Wind Speed and Direction:Light Air, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None		PM
01/05/2019	Vantage Point	VP3	01:00 starting at 10:25	Wind Speed and Direction:Light Breeze, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None		PM
02/05/2019	Vantage Point	VP5	03:00 starting at 04:53	Wind Speed and Direction:Light Breeze, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		PM
02/05/2019	Vantage Point	VP5	03:00 starting at 08:23	Wind Speed and Direction:Light Breeze, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		PM
05/06/2019	Vantage Point	VP5	03:00 starting at 08:30	Wind Speed and Direction:Light Breeze, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: Heavy Showers; Frost: None ; Snow: None		PM
05/06/2019	Vantage Point	VP5	03:00 starting at 12:00	Wind Speed and Direction:Light Breeze, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: Heavy Showers; Frost: None ; Snow: None		PM
06/06/2019	Vantage Point	VP3	03:00 starting at 08:30	Wind Speed and Direction:Gentle Breeze, SW; Visibility: Moderate (1-2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: Heavy Showers; Frost: None ; Snow: None		PM
06/06/2019	Vantage Point	VP3	02:00 starting at 12:00	Wind Speed and Direction:Gentle Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: Heavy Showers; Frost: None ; Snow: None		PM
06/06/2019	Vantage Point	VP3	01:00 starting at 14:00	Wind Speed and Direction:Gentle Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		PM

22/07/2019	Vantage Point	VP3	03:00 starting at 09:30	Wind Speed and Direction:Gentle Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: Light Showers; Frost: None ; Snow: None		PM
22/07/2019	Vantage Point	VP3	03:00 starting at 13:00	Wind Speed and Direction:Gentle Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: Light Showers; Frost: None ; Snow: None		PM
23/07/2019	Vantage Point	VP5	03:00 starting at 09:00	Wind Speed and Direction:Gentle Breeze, S; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: Light Showers; Frost: None ; Snow: None		PM
23/07/2019	Vantage Point	VP5	03:00 starting at 12:30	Wind Speed and Direction:Gentle Breeze, S; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: Light Showers; Frost: None ; Snow: None		PM
07/08/2019	VP	3	02:00 starting at 15:40	Wind Speed and Direction:Gentle Breeze, NW; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 2 Rain: Heavy Showers; Frost: None ; Snow: None	Heavy showers at first, but the weather improved throughout the evening. A fair few Raven's were foraging in the earth and also good number's of Sand Martin's; so presumably, there was a colony close by. Also saw two Redshank in flight, which landed on the suvery site shrtly before flying out fo view; alongside a couple calling at dusk. Probably Buzzard also 'mewing' at dusk,but quite faint away from the VP.	L. Dark
07/08/2019	VP	3	01:00 starting at 17:40	Wind Speed and Direction:Light Breeze, NW; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 2 Rain: None; Frost: None ; Snow: None	Heavy showers at first, but the weather improved throughout the evening. A fair few Raven's were foraging in the earth and also good number's of Sand Martin's; so presumably, there was a colony close by. Also saw two Redshank in flight, which landed on the suvery site shrtly before flying out fo view; alongside a couple calling at dusk. Probably Buzzard also 'mewing' at dusk, but quite faint away from the VP.	L. Dark
07/08/2019	VP	3	01:00 starting at 19:10	Wind Speed and Direction:Light Air, NW; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 2 Rain: None; Frost: None ; Snow: None	Heavy showers at first, but the weather improved throughout the evening. A fair few Raven's were foraging in the earth and also good number's of Sand Martin's; so presumably, there was a colony close by. Also saw two Redshank in flight, which landed on the suvery site shrtly before flying out fo view; alongside a couple calling at dusk. Probable Buzzard also 'mewing' at dusk, but quite faint away from the VP.	L. Dark
07/08/2019	VP	3	02:00 starting at 20:10	Wind Speed and Direction:Light Air, NW; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 1 Rain: None; Frost: None ; Snow: None	Heavy showers at first, but the weather improved throughout the evening. A fair few Raven's were foraging in the earth and also good number's of Sand Martin's; so presumably, there was a colony close by. Also saw two Redshank in flight, which landed on the suvery site shrtly before flying out fo view; alongside a couple calling at dusk. Probable Buzzard also 'mewing' at dusk, but quite faint away from the VP.	L. Dark



08/08/2019	VP	5	02:10 starting at 15:28	Wind Speed and Direction: Moderate Breeze, NW; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 2 Rain: None; Frost: None ; Snow: None	Consistent weather conditions throughout. Plenty of Passerine's, particularly House Martin's and Swallow's feeding over the fields. Saw a juvenile Buzzard fly and land in tree's, before heading off again over hedgrow's and fields. Also heard a Barn Owl calling from a farm building to the east, but they were not seen. See Raptor tab and map for location.	L. Dark
08/08/2019	VP	5	01:10 starting at 17:28	Wind Speed and Direction: Moderate Breeze, NW; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 3 Rain: None; Frost: None ; Snow: None	Consistent weather conditions throughout. Plenty of Passerine's, particularly House Martin's and Swallow's feeding over the fields. Saw a juvenile Buzzard fly and land in tree's, before heading off again over hedgrow's and fields. Also heard a Barn Owl calling from a farm building to the east, but they were not seen. See Raptor tab and map for location.	L. Dark
08/08/2019	VP	5	01:00 starting at 19:08	Wind Speed and Direction: Moderate Breeze, NW; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 3 Rain: None; Frost: None ; Snow: None	Consistent weather conditions throughout. Plenty of Passerine's, particularly House Martin's and Swallow's feeding over the fields. Saw a juvenile Buzzard fly and land in tree's, before heading off again over hedgrow's and fields. Also heard a Barn Owl calling from a farm building to the east, but they were not seen. See Raptor tab and map for location.	L. Dark
08/08/2019	VP	5	02:00 starting at 20:08	Wind Speed and Direction: Gentle Breeze, NW; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 3 Rain: None; Frost: None ; Snow: None	Consistent weather conditions throughout. Plenty of Passerine's, particularly House Martin's and Swallow's feeding over the fields. Saw a juvenile Buzzard fly and land in tree's, before heading off again over hedgrow's and fields. Also heard a Barn Owl calling from a farm building to the east, but they were not seen. See Raptor tab and map for location.	L. Dark
03/09/2019	Vantage Point	VP5	03:00 starting at 05:40	Wind Speed and Direction: Light Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		PM
03/09/2019	Vantage Point	VP5	03:00 starting at 09:10	Wind Speed and Direction: Light Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		PM
04/09/2019	Vantage Point	VP3	02:00 starting at 05:40	Wind Speed and Direction: Light Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None		PM
04/09/2019	Vantage Point	VP3	01:00 starting at 07:40	Wind Speed and Direction: Light Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None		PM
04/09/2019	Vantage Point	VP3	03:00 starting at 09:10	Wind Speed and Direction: Light Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		PM
01/10/2019	Vantage Point	VP5	03:00 starting at 13:37	Wind Speed and Direction: Gentle Breeze, N; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None		PM
01/10/2019	Vantage Point	VP5	03:00 starting at 17:07	Wind Speed and Direction: Light Breeze, N; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None		PM

02/10/2019	Vantage Point	VP3	03:00 starting at 13:36	Wind Speed and Direction:Light Air, N; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		PM
03/10/2019	Vantage Point	VP3	03:00 starting at 17:06	Wind Speed and Direction:Light Air, N; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		PM
15/11/2019	VP	3	01:00 starting at 12:30	Wind Speed and Direction:Light Breeze, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None		AOD
15/11/2019	VP	3	01:00 starting at 13:30	Wind Speed and Direction:Light Breeze, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None		AOD
15/11/2019	VP	3	01:00 starting at 15:00	Wind Speed and Direction:Light Breeze, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None		AOD
15/11/2019	VP	3	01:00 starting at 16:00	Wind Speed and Direction:Light Breeze, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None		AOD
18/11/2019	VP	3	01:00 starting at 07:00	Wind Speed and Direction:Calm, N ; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: On site; Snow: None		AOD
18/11/2019	VP	3	01:00 starting at 08:00	Wind Speed and Direction:Calm, N; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: On site; Snow: None		AOD
20/11/2019	vp	vp5	01:00 starting at 07:00	Wind Speed and Direction:Light Air, se; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100% Rain: None; Frost: None; Snow: None		DM
20/11/2019	vp	vp5	02:00 starting at 08:00	Wind Speed and Direction:Light Breeze, se; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100% Rain: None; Frost: None; Snow: None		DM
20/11/2019	vp	vp5	03:00 starting at 10:30	Wind Speed and Direction:Light Breeze, se; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100% Rain: None; Frost: None; Snow: None		DM
01/12/2019	VP	VP03	06:00 starting at 10:45	Wind light NE...perfect conditions for survey		ED
04/12/2019	VP	VP05	06:00 starting at 10:55	SW winds decreasing - visibility good. Drizzle in first hour.	no targets	ED
09/01/2020	Vantage Point	VP3	03:00 starting at 07:44	Wind Speed and Direction:Light Air, N; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		PM
09/01/2020	Vantage Point	VP3	03:00 starting at 11:14	Wind Speed and Direction:Light Air, N; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		PM
10/01/2020	Vantage Point	VP5	03:00 starting at 07:42	Wind Speed and Direction:Light Breeze, S; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None		PM
10/01/2020	Vantage Point	VP5	03:00 starting at 11:12	Wind Speed and Direction:Light Breeze, S; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None		PM
03/02/2020	Vantage Point	VP3	03:00 starting at 11:45	Wind Speed and Direction:Gentle Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None		PM
03/02/2020	Vantage Point	VP3	03:00 starting at 15:15	Wind Speed and Direction:Gentle Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None		PM
04/02/2020	Vantage Point	VP5	03:00 starting at 11:45	Wind Speed and Direction:Light Breeze, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None		PM
04/02/2020	Vantage Point	VP5	03:00 starting at 15:15	Wind Speed and Direction:Light Breeze, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None		PM
23/03/2020	VP	3	03:00 starting at 05:40	Wind Speed and Direction:Light Breeze, SSE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 95-100 Rain: ; Frost: None ; Snow: None		PT

23/03/2020	VP	3	03:00 starting at 09:10	Wind Speed and Direction:Gentle Breeze, S ; Visibility: Good (>2km); Cloud Height: ; Cloud Cover %: 95-100 Rain: None; Frost: None ; Snow: None		PT
23/03/2020	VP	5	03:00 starting at 13:09	Wind Speed and Direction:Gentle Breeze, S; Visibility: Good (>2km); Cloud Height: ; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None		PT
24/03/2020	VP	5	03:00 starting at 05:34	Wind Speed and Direction:Gentle Breeze, S; Visibility: Good (>2km); Cloud Height: ; Cloud Cover %: 75-99 Rain: None; Frost: None ; Snow: None		PT

Table 1-2 Breeding Bird Survey Effort

Date	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
21/04/2016	B&S	Q1	00:55 starting at 13:25	wind speed and direction:Gentle Breeze, E; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		John Carey
21/04/2016	B&S	Q2	00:55 starting at 12:05	wind speed and direction:Gentle Breeze, E; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		John Carey
21/04/2016	B&S	Q3	00:30 starting at 13:00	wind speed and direction:Gentle Breeze, E; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		John Carey
22/04/2016	B&S	Q10	00:30 starting at 13:35	wind speed and direction:Light Breeze, E; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		John Carey
22/04/2016	B&S	Q11	00:30 starting at 14:05	wind speed and direction:Light Breeze, E; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		John Carey
22/04/2016	B&S	Q12	00:25 starting at 11:55	wind speed and direction:Light Breeze, E; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		John Carey
22/04/2016	B&S	Q8	00:00 starting at 00:00	wind speed and direction:Calm, ; visibility: No Visibility; Rain: None; Frost: None ; Snow: None		John Carey
22/04/2016	B&S	Q9	00:35 starting at 12:20	wind speed and direction:Light Breeze, E; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		John Carey
26/04/2016	B&S	Q4	00:25 starting at 11:12	wind speed and direction:Fresh Breeze, N; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		John Carey
26/04/2016	B&S	Q5	00:20 starting at 10:31	wind speed and direction:Fresh Breeze, N; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		John Carey
26/04/2016	B&S	Q6	00:22 starting at 11:45	wind speed and direction:Fresh Breeze, N; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		John Carey
26/04/2016	B&S	Q7	00:50 starting at 09:39	wind speed and direction:Fresh Breeze, N; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		John Carey
28/04/2016	B&S	Q16	00:50 starting at 09:00	wind speed and direction:Calm, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		John Carey
28/04/2016	B&S	Q19	02:15 starting at 10:30	wind speed and direction:Gentle Breeze, N; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None	Stopped to carry out R1 (1 hour) VP watch in NW corner	John Carey
29/04/2016	B&S	Q18	00:40 starting at 08:15	wind speed and direction:Calm, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		John Carey
30/04/2016	B&S	Q13	00:36 starting at 10:36	wind speed and direction:Calm, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		John Carey
30/04/2016	B&S	Q14	00:27 starting at 11:17	wind speed and direction:Gentle Breeze, SW; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		John Carey
30/04/2016	B&S	Q15	00:37 starting at 09:58	wind speed and direction:Gentle Breeze, W; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		John Carey
30/04/2016	Breeding Point Transects	CUN1-CUN13	02:22 starting at 07:08	wind speed and direction:Gentle Breeze, W; visibility: Good (>2km); Rain: Light Showers; Frost: None ; Snow: None		PT
08/05/2016	B&S	Q1	00:25 starting at 09:20	wind speed and direction:Moderate Breeze, E; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		John Carey

08/05/2016	B&S	Q13	00:35 starting at 16:05	wind speed and direction:Light Breeze, E; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		John Carey
08/05/2016	B&S	Q14	00:30 starting at 15:34	wind speed and direction:Light Air, E; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		John Carey
08/05/2016	B&S	Q15	00:35 starting at 16:40	wind speed and direction:Light Breeze, E; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		John Carey
08/05/2016	B&S	Q17	00:35 starting at 12:15	wind speed and direction:Gentle Breeze, S; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		John Carey
08/05/2016	B&S	Q19	00:40 starting at 13:55	wind speed and direction:Light Breeze, S; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		John Carey
08/05/2016	B&S	Q2	00:25 starting at 13:18	wind speed and direction:Gentle Breeze, E; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		John Carey
08/05/2016	B&S	Q3	02:48 starting at 10:26	wind speed and direction:Gentle Breeze, E; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		John Carey
08/05/2016	Breeding Point Transects	A	01:10 starting at 09:56	wind speed and direction:Moderate Breeze, E; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		PT
09/05/2016	B&S	Q12	00:25 starting at 15:40	wind speed and direction:Calm, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		John Carey
09/05/2016	B&S	Q16	01:00 starting at 11:10	wind speed and direction:Light Breeze, SE; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		John Carey
09/05/2016	B&S	Q18	00:40 starting at 10:25	wind speed and direction:Light Breeze, S ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		John Carey
09/05/2016	B&S	Q8	00:29 starting at 16:47	wind speed and direction:Calm, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		John Carey
09/05/2016	B&S	Q9	00:27 starting at 16:09	wind speed and direction:Calm, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		John Carey
25/05/2016	B&S	Q10	00:25 starting at 11:04	wind speed and direction:Moderate Breeze, NE; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		John Carey
25/05/2016	B&S	Q11	02:35 starting at 10:54	wind speed and direction:Moderate Breeze, NE; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		John Carey
25/05/2016	Breeding Point Transects	C	00:51 starting at 09:12	wind speed and direction:Gentle Breeze, NE; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		PT
29/05/2016	B&S	Q4	00:24 starting at 10:39	wind speed and direction:Calm, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		John Carey
29/05/2016	B&S	Q5	00:25 starting at 10:04	wind speed and direction:Gentle Breeze, E-SE; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		John Carey
29/05/2016	B&S	Q6	00:23 starting at 11:07	wind speed and direction:Light Breeze, NE; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		John Carey
29/05/2016	B&S	Q7	00:33 starting at 09:26	wind speed and direction:Calm, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		John Carey
29/05/2016	Breeding Point Transects	B	01:21 starting at 07:51	wind speed and direction:Light Breeze, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		PT
30/05/2016	Breeding Point Transects	A	00:54 starting at 06:28	wind speed and direction:Gentle Breeze, N; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		PT

30/05/2016	Breeding Point Transects	C	00:44 starting at 08:35	wind speed and direction:Gentle Breeze, N; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		PT
30/05/2016	Breeding Point Transects	D	02:10 starting at 09:53	wind speed and direction:Gentle Breeze, N; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		PT
09/06/2016	B&S	Q3	00:20 starting at 10:42	wind speed and direction:Gentle Breeze, SE; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		John Carey
09/06/2016	Breeding Point Transects	A	01:51 starting at 09:41	wind speed and direction:Gentle Breeze, SE; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		PT
10/06/2016	B&S	Q12	00:29 starting at 16:40	wind speed and direction:Gentle Breeze, S; visibility: Good (>2km); Rain: Drizzle Mist; Frost: None ; Snow: None		John Carey
10/06/2016	B&S	Q13	02:26 starting at 12:47	wind speed and direction:Calm, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		John Carey
10/06/2016	B&S	Q14	00:15 starting at 15:24	wind speed and direction:Gentle Breeze, S; visibility: Good (>2km); Rain: Drizzle Mist; Frost: None ; Snow: None		John Carey
10/06/2016	B&S	Q15	00:18 starting at 12:15	wind speed and direction:Gentle Breeze, S ; visibility: Good (>2km); Rain: Light Showers; Frost: None ; Snow: None		John Carey
10/06/2016	B&S	Q16	01:44 starting at 09:38	wind speed and direction:Gentle Breeze, S-SW; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		John Carey
10/06/2016	B&S	Q17	00:05 starting at 09:20	wind speed and direction:Calm, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		John Carey
10/06/2016	Breeding Point Transects	D	02:37 starting at 06:27	wind speed and direction:Gentle Breeze, W; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		PT
11/06/2016	B&S	Q1	00:27 starting at 16:51	wind speed and direction:Gentle Breeze, SE; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		John Carey
11/06/2016	B&S	Q2	00:35 starting at 17:21	wind speed and direction:Gentle Breeze, E; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		John Carey
11/06/2016	B&S	Q8	00:35 starting at 09:32	wind speed and direction:Light Breeze, NW; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		John Carey
11/06/2016	B&S	Q9	00:33 starting at 08:51	wind speed and direction:Light Breeze, variable; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		John Carey
11/06/2016	Breeding Point Transects	C	00:47 starting at 07:55	wind speed and direction:Gentle Breeze, SW; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		PT
17/06/2016	B&S	Q10	00:41 starting at 10:30	wind speed and direction:Moderate Breeze, N; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		John Carey
18/06/2016	B&S	Q4	00:18 starting at 10:45	wind speed and direction:Gentle Breeze, NW; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		John Carey
18/06/2016	B&S	Q5	00:13 starting at 10:16	wind speed and direction:Gentle Breeze, NW; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		John Carey
18/06/2016	B&S	Q6	00:11 starting at 11:16	wind speed and direction:Calm, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		John Carey
18/06/2016	B&S	Q7	00:27 starting at 09:18	wind speed and direction:Calm, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		John Carey
18/06/2016	Breeding Point Transects	B	01:01 starting at 08:12	wind speed and direction:Gentle Breeze, NW; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		PT

27/06/2016	B&S	Q7	00:30 starting at 15:05	wind speed and direction:Gentle Breeze, SW; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		John Carey
29/06/2016	B&S	Q18	00:21 starting at 19:47	wind speed and direction:Moderate Breeze, W; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		John Carey
29/06/2016	B&S	Q19	00:29 starting at 10:22	wind speed and direction:Gentle Breeze, W; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		John Carey
11/07/2016	B&S	Q3	00:04 starting at 12:14	wind speed and direction:Moderate Breeze, NW; visibility: Good (>2km); Rain: Light Showers; Frost: None ; Snow: None		John Carey
11/07/2016	B&S	Q4	00:14 starting at 11:55	wind speed and direction:Moderate Breeze, NW; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		John Carey
11/07/2016	B&S	Q5	00:06 starting at 11:44	wind speed and direction:Moderate Breeze, NW; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		John Carey
11/07/2016	B&S	Q6	00:12 starting at 11:08	wind speed and direction:Moderate Breeze, NW; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		John Carey
11/07/2016	Breeding Point Transects	A	00:57 starting at 10:06	wind speed and direction:Moderate Breeze, NW; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		PT
12/07/2016	B&S	Q10	01:02 starting at 10:56	wind speed and direction:Gentle Breeze, W; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		John Carey
12/07/2016	B&S	Q12	00:11 starting at 11:23	wind speed and direction:Gentle Breeze, W; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		John Carey
12/07/2016	B&S	Q8	00:28 starting at 10:17	wind speed and direction:Gentle Breeze, W; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		John Carey
12/07/2016	B&S	Q9	00:26 starting at 09:44	wind speed and direction:Light Breeze, W; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		John Carey
12/07/2016	Breeding Point Transects	C	00:44 starting at 08:48	wind speed and direction:Light Breeze, W; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		PT
13/07/2016	B&S	Q13	00:05 starting at 14:12	wind speed and direction:Moderate Breeze, W; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		John Carey
13/07/2016	B&S	Q14	00:27 starting at 07:24	wind speed and direction:Gentle Breeze, W; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		John Carey
13/07/2016	B&S	Q15	00:12 starting at 13:50	wind speed and direction:Moderate Breeze, W; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		John Carey
13/07/2016	B&S	Q16	02:56 starting at 09:56	wind speed and direction:Moderate Breeze, W; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		John Carey
13/07/2016	B&S	Q17	00:03 starting at 09:45	wind speed and direction:Moderate Breeze, W; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		John Carey
13/07/2016	Breeding Point Transects	D	02:53 starting at 06:43	wind speed and direction:Gentle Breeze, W; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		PT
20/07/2016	B&S	Q18	00:30 starting at 15:10	wind speed and direction:Gentle Breeze, NW; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		John Carey
20/07/2016	B&S	Q19	00:25 starting at 15:50	wind speed and direction:Gentle Breeze, NW; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		John Carey
29/07/2016	B&S	Q1	00:47 starting at 15:41	wind speed and direction:Gentle Breeze, N; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		John Carey

29/07/2016	B&S	Q2	00:27 starting at 16:57	wind speed and direction:Gentle Breeze, N; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		John Carey
29/07/2016	Breeding Point Transects	B	01:07 starting at 09:21	wind speed and direction:Gentle Breeze, N; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		PT
13/08/2016	Breeding Point Transects	A	01:00 starting at 11:10	wind speed and direction:Gentle Breeze, W; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		PT
13/08/2016	Breeding Point Transects	B	00:58 starting at 09:12	wind speed and direction:, W; visibility: Good (>2km); Rain: Light Showers; Frost: None ; Snow: None		PT
06/04/2017	O'Brien & Smith Breeding Walkover		05:47 starting at 06:51	wind speed and direction:Light Breeze, W; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		PM
10/04/2017	O'Brien & Smith Breeding Walkover		06:10 starting at 06:41	wind speed and direction:Light Breeze, NW; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		PM
18/04/2017	O'Brien & Smith Breeding Walkover		02:52 starting at 06:23	wind speed and direction:Light Breeze, E; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		PM
08/05/2017	O'Brien & Smith Breeding Walkover		05:25 starting at 05:40	Wind Speed and Direction:Light Breeze, N; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None		PM
09/05/2017	O'Brien & Smith Breeding Walkover		05:55 starting at 05:39	Wind Speed and Direction:Light Breeze, N; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None		PM
10/05/2017	O'Brien & Smith Breeding Walkover		02:55 starting at 05:38	Wind Speed and Direction:Light Breeze, N; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None		PM
19/06/2017	O'Brien & Smith Breeding Walkover		05:08 starting at 04:58	Wind Speed and Direction:Light Air, S; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None		PM
20/06/2017	O'Brien & Smith Breeding Walkover		01:00 starting at 04:58	Wind Speed and Direction:Light Breeze, S; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None		PM
20/06/2017	O'Brien & Smith Breeding Walkover		02:00 starting at 05:58	Wind Speed and Direction:Light Breeze, S; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None		PM
20/06/2017	O'Brien & Smith Breeding Walkover		02:21 starting at 07:58	Wind Speed and Direction:Light Breeze, S; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None		PM
21/06/2017	O'Brien & Smith Breeding Walkover		02:00 starting at 05:00	Wind Speed and Direction:Light Breeze, S; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		PM
21/06/2017	O'Brien & Smith Breeding Walkover		01:20 starting at 07:00	Wind Speed and Direction:Light Breeze, S; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: Light Showers; Frost: None ; Snow: None		PM
03/07/2017	O'Brien & Smith Breeding Walkover		05:23 starting at 05:00	wind speed and direction:Light Breeze, N; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		PM
04/07/2017	O'Brien & Smith Breeding Walkover		02:45 starting at 05:10	wind speed and direction:Gentle Breeze, SW; visibility: Good (>2km); Rain: Light Showers; Frost: None ; Snow: None		PM
05/07/2017	O'Brien & Smith Breeding Walkover		05:05 starting at 04:55	wind speed and direction:Light Air, E; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		PM
23/04/2018	Breeding Walkover Survey		05:50 starting at 06:10	Wind Speed and Direction:Light Breeze, sw; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None; Snow: None		DM
24/04/2018	Breeding Walkover Survey		02:50 starting at 06:10	Wind Speed and Direction:Light Air, sw; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None; Snow: None		DM
24/04/2018	Breeding Walkover Survey		03:00 starting at 09:00	Wind Speed and Direction:Light Air, sw; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: Drizzle Mist; Frost: None; Snow: None		DM



25/04/2018	Breeding Walkover Survey		05:50 starting at 06:05	Wind Speed and Direction:Light Breeze, sw; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None; Snow: None		DM
26/04/2018	Breeding Walkover Survey		05:55 starting at 06:05	Wind Speed and Direction:Gentle Breeze, west; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66 Rain: None; Frost: None; Snow: None		DM
09/05/2018	Breeding Walkover Survey		01:00 starting at 05:35	Wind Speed and Direction:Light Air, sw; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None; Snow: None		DM
09/05/2018	Breeding Walkover Survey		02:00 starting at 06:35	Wind Speed and Direction:Light Air, s; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None; Snow: None		DM
09/05/2018	Breeding Walkover Survey		01:00 starting at 08:35	Wind Speed and Direction:Light Breeze, s; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: Drizzle Mist; Frost: None; Snow: None		DM
09/05/2018	Breeding Walkover Survey		01:00 starting at 09:35	Wind Speed and Direction:Light Breeze, s; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None; Snow: None		DM
09/05/2018	Breeding Walkover Survey		01:00 starting at 10:35	Wind Speed and Direction:Gentle Breeze, s; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: Drizzle Mist; Frost: None; Snow: None		DM
23/05/2018	Breeding Walkover Survey		03:00 starting at 05:15	Wind Speed and Direction:Light Air, e; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None; Snow: None	Sandmartin breeding colony and sandpit.	DM
23/05/2018	Breeding Walkover Survey		02:00 starting at 08:15	Wind Speed and Direction:Light Breeze, e; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66 Rain: None; Frost: None; Snow: None		DM
23/05/2018	Breeding Walkover Survey		01:00 starting at 10:15	Wind Speed and Direction:Light Air, e; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None; Snow: None		DM
25/05/2018	Breeding Walkover Survey		02:00 starting at 05:10	Wind Speed and Direction:Light Air, ne; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None; Snow: None	Shelduck pain with 10 ducklines on small pond in field	DM
25/05/2018	Breeding Walkover Survey		01:00 starting at 07:10	Wind Speed and Direction:Light Air, ne; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66 Rain: None; Frost: None; Snow: None		DM
25/05/2018	Breeding Walkover Survey		03:00 starting at 08:10	Wind Speed and Direction:Light Breeze, ne; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None; Snow: None		DM
30/05/2018	Breeding Walkover Survey		03:00 starting at 05:05	Wind Speed and Direction:Light Air, e; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None; Snow: None		DM
30/05/2018	Breeding Walkover Survey		03:00 starting at 08:05	Wind Speed and Direction:Light Breeze, e; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None; Snow: None	9:30 female Teal seen with 10 ducklings	DM
18/06/2018	Breeding Walkover Survey		06:00 starting at 04:55	Wind Speed and Direction:Light Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		DM
19/06/2018	Breeding Walkover Survey		06:00 starting at 05:00	Wind Speed and Direction:Calm, S; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 3 Rain: None; Frost: None ; Snow: None		DM
25/06/2018	Breeding Walkover Survey		06:00 starting at 05:00	Wind Speed and Direction:Calm, ; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None		DM
26/06/2018	Breeding Walkover Survey		06:00 starting at 05:00	Wind Speed and Direction:Calm, SE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		DM
04/04/2019	Breeding Walkover Survey		06:00 starting at 07:00	Wind Speed and Direction:Light Breeze, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		PM
05/04/2019	Breeding Walkover Survey		04:00 starting at 06:53	Wind Speed and Direction:Light Breeze, NE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None		PM
05/04/2019	Breeding Walkover Survey		02:00 starting at 10:53	Wind Speed and Direction:Light Breeze, NE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		PM

28/05/2019	O'Brien & Smith		05:30 starting at 05:10	Wind Speed and Direction:Light Breeze, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: Light Showers; Frost: None ; Snow: None		PM
29/05/2019	O'Brien & Smith		02:00 starting at 05:09	Wind Speed and Direction:Light Breeze, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		PM
29/05/2019	O'Brien & Smith		03:00 starting at 07:09	Wind Speed and Direction:Light Breeze, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: Light Showers; Frost: None ; Snow: None		PM
26/06/2019	Breeding Walkover Survey		06:00 starting at 05:00	Wind Speed and Direction:Light Air, NE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None		PM
27/06/2019	Breeding Walkover Survey		06:00 starting at 05:00	Wind Speed and Direction:Light Breeze, E; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None		PM
25/07/2019	Breeding Walkover Survey		06:00 starting at 05:30	Wind Speed and Direction:Gentle Breeze, S; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: Light Showers; Frost: None ; Snow: None		PM
30/07/2019	Breeding Walkover Survey		05:30 starting at 05:30	Wind Speed and Direction:Light Air, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		PM

Table 1-3 Breeding Raptor Survey Effort

Date	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
30/04/2016	Breeding Raptor Survey	C	04:00 starting at 13:25	wind speed and direction:Moderate Breeze, W; visibility: Good (>2km); Rain: Light Showers; Frost: None ; Snow: None		PT
30/04/2016	Breeding Raptor Survey	C/R2	04:00 starting at 13:25	wind speed and direction:Moderate Breeze, W; visibility: Good (>2km); Rain: Light Showers; Frost: None ; Snow: None		PT
06/05/2016	Breeding Raptor Survey	G	00:09 starting at 12:39	wind speed and direction:Calm, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None	watch terminated due to landowner issues	PT
06/05/2016	Breeding Raptor Survey	R3	02:00 starting at 14:04	wind speed and direction:Moderate Breeze, NE; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		PT
25/05/2016	Breeding Raptor Survey	R5	02:00 starting at 14:33	wind speed and direction:Gentle Breeze, NE; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		PT
27/05/2016	Breeding Raptor Survey	R3	02:17 starting at 14:41	wind speed and direction:Gentle Breeze, E; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None	X on map denotes large farm buildings and old ruin - look ideal for nesting Kestrel	PT
27/05/2016	Breeding Raptor Survey	R4B	02:00 starting at 11:49	wind speed and direction:Gentle Breeze, SE; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		PT
29/05/2016	Breeding Raptor Survey	C/R2	02:00 starting at 12:34	wind speed and direction:Gentle Breeze, E; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		PT
29/05/2016	Breeding Raptor Survey	R6	01:30 starting at 17:39	wind speed and direction:Gentle Breeze, E; visibility: Good (>2km); Rain: Light Showers; Frost: None ; Snow: None		PT
29/05/2016	Breeding Raptor Survey	R6	01:30 starting at 17:39	wind speed and direction:Gentle Breeze, E; visibility: Good (>2km); Rain: Light Showers; Frost: None ; Snow: None		PT
10/06/2016	Breeding Raptor Survey	R7	01:00 starting at 10:00	wind speed and direction:Gentle Breeze, S; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		PT
10/06/2016	Breeding Raptor Survey	R8	02:00 starting at 13:05	wind speed and direction:Gentle Breeze, SE; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None	no raptors/waders	PT
17/06/2016	Breeding Raptor Survey	R3	02:00 starting at 17:39	wind speed and direction:Moderate Breeze, NW; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		PT
19/06/2016	Breeding Raptor Survey	C/R2	02:00 starting at 17:21	wind speed and direction:Moderate Breeze, W; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		PT
13/04/2017	Breeding Raptor Survey	RVP1	03:00 starting at 08:20	wind speed and direction:Light Breeze, N; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		PM
13/04/2017	Breeding Raptor Survey	RVP2	03:00 starting at 11:50	wind speed and direction:Light Breeze, N; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		PM
21/04/2017	Breeding Raptor Survey	RVP3	03:00 starting at 08:45	wind speed and direction:Light Breeze, W; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		PM
21/04/2017	Breeding Raptor Survey	RVP4	03:00 starting at 12:15	wind speed and direction:Light Breeze, W; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		PM
01/05/2017	Breeding Raptor Survey	RVP2	03:00 starting at 09:10	Wind Speed and Direction:Light Breeze, N; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None		PM
01/05/2017	Breeding Raptor Survey	RVP3	03:00 starting at 12:40	Wind Speed and Direction:Light Breeze, N; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None		PM

02/05/2017	Breeding Raptor Survey	RVP1	03:00 starting at 08:50	Wind Speed and Direction:Light Breeze, N; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None		PM
02/05/2017	Breeding Raptor Survey	RVP4	03:00 starting at 12:20	Wind Speed and Direction:Light Breeze, N; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None		PM
01/06/2017	Breeding Raptor Survey	RVP1	03:00 starting at 17:15	Wind Speed and Direction:Gentle Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: Light Showers; Frost: None ; Snow: None		PM
01/06/2017	Breeding Raptor Survey	RVP4	01:00 starting at 17:30	wind speed and direction:Gentle Breeze, SW; visibility: Good (>2km); Rain: Light Showers; Frost: None ; Snow: None		DM
01/06/2017	Breeding Raptor Survey	RVP4	02:00 starting at 18:30	wind speed and direction:Gentle Breeze, SW; visibility: Good (>2km); Rain: Drizzle Mist; Frost: None ; Snow: None		DM
26/06/2017	Breeding Raptor Survey	RVP3	03:00 starting at 17:10	Wind Speed and Direction:Light Breeze, SE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: Light Showers; Frost: None ; Snow: None		PM
27/06/2017	Breeding Raptor Survey	RVP2	03:00 starting at 17:20	Wind Speed and Direction:Light Breeze, SE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None		PM
10/07/2017	Breeding Raptor Survey	RVP2	03:00 starting at 10:30	wind speed and direction:Light Air, W; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		PM
10/07/2017	Breeding Raptor Survey	RVP3	03:00 starting at 14:00	wind speed and direction:Light Air, N; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		PM
13/07/2017	Breeding Raptor Survey	RVP1	03:00 starting at 10:30	wind speed and direction:Light Breeze, S; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		PM
13/07/2017	Breeding Raptor Survey	RVP4	02:00 starting at 14:00	wind speed and direction:Moderate Breeze, S; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		PM
13/07/2017	Breeding Raptor Survey	RVP4	01:00 starting at 16:00	wind speed and direction:Moderate Breeze, S; visibility: Good (>2km); Rain: Light Showers; Frost: None ; Snow: None		PM
09/04/2018	Breeding Raptor Survey	RVP4	03:00 starting at 14:30	Wind Speed and Direction:Light Breeze, SE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		PM
10/04/2018	Breeding Raptor Survey	RVP2	03:00 starting at 09:40	Wind Speed and Direction:Light Breeze, NE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		PM
10/04/2018	Breeding Raptor Survey	RVP1	03:00 starting at 13:10	Wind Speed and Direction:Light Breeze, NE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		PM
19/04/2018	Breeding Raptor Survey	RVP3	03:00 starting at 14:45	Wind Speed and Direction:Light Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		PM
02/05/2018	Breeding Raptor Survey	RVP4	03:00 starting at 15:30	Wind Speed and Direction:Light Breeze, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	16:02 BZ soaring over woodland- briefly mobbed by Comd. 16:46 K. hunting behind woodland. 17:28 BZ dropping . 18:07 BZ circling low over woodland	PM
04/05/2018	Breeding Raptor Survey	RVP2	03:00 starting at 10:00	Wind Speed and Direction:Light Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: Light Showers; Frost: None ; Snow: None	pe, bz,bz,	PM
04/05/2018	Breeding Raptor Survey	RVP1	03:00 starting at 13:30	Wind Speed and Direction:Light Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: Light Showers; Frost: None ; Snow: None	PE, BZ,BZ,K.,	PM

17/05/2018	Breeding Raptor Survey	RVP3	03:00 starting at 15:57	Wind Speed and Direction:Light Breeze, E; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None	No raptors seen	PM
11/06/2018	Breeding Raptor Survey	RVP2	03:00 starting at 10:30	Wind Speed and Direction:Light Breeze, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		PM
11/06/2018	Breeding Raptor Survey	RVP1	03:00 starting at 14:00	Wind Speed and Direction:Light Breeze, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		PM
20/06/2018	Breeding Raptor Survey	RVP4	03:00 starting at 09:00	Wind Speed and Direction:Light Breeze, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		PM
20/06/2018	Breeding Raptor Survey	RVP3	03:00 starting at 12:30	Wind Speed and Direction:Light Breeze, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		PM
03/07/2018	Breeding Raptor Survey	RVP2	03:00 starting at 09:15	Wind Speed and Direction:Light Breeze, E; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None		PM
03/07/2018	Breeding Raptor Survey	RVP1	03:00 starting at 12:45	Wind Speed and Direction:Light Breeze, E; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None		PM
05/07/2018	Breeding Raptor Survey	RVP4	03:00 starting at 09:00	Wind Speed and Direction:Light Air, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		PM
05/07/2018	Breeding Raptor Survey	RVP3	03:00 starting at 12:30	Wind Speed and Direction:Light Air, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		PM
10/04/2019	Breeding Raptor Survey	BRVP4	03:00 starting at 14:50	Wind Speed and Direction:Light Breeze, E; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		PM
11/04/2019	Breeding Raptor Survey	BRVP2	03:00 starting at 09:00	Wind Speed and Direction:Light Breeze, E; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	RN nest with possible chicks on cliff face	PM
11/04/2019	Breeding Raptor Survey	BRVP1	03:00 starting at 12:30	Wind Speed and Direction:Light Breeze, E; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		PM
25/04/2019	Breeding Raptor Survey	BRVP3	03:00 starting at 15:00	Wind Speed and Direction:Light Breeze, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: Light Showers; Frost: None ; Snow: None		PM
07/05/2019	Breeding Raptor	RVP3	03:00 starting at 09:30	Wind Speed and Direction:Light Breeze, S; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		PM
07/05/2019	Breeding Raptor	RVP4	03:00 starting at 13:00	Wind Speed and Direction:Light Breeze, S; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: Light Showers; Frost: None ; Snow: None		PM
08/05/2019	Breeding Raptor	RVP1	03:00 starting at 09:30	Wind Speed and Direction:Light Breeze, S; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		PM
08/05/2019	Breeding Raptor	RVP2	02:00 starting at 13:00	Wind Speed and Direction:Light Breeze, S; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		PM
08/05/2019	Breeding Raptor	RVP2	01:00 starting at 15:00	Wind Speed and Direction:Light Breeze, S; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: Light Showers; Frost: None ; Snow: None		PM
04/06/2019	Breeding Raptor	RVP3	03:00 starting at 08:30	Wind Speed and Direction:Light Air, NE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: Heavy Showers; Frost: None ; Snow: None		PM

04/06/2019	Breeding Raptor	RVP4	03:00 starting at 12:00	Wind Speed and Direction:Light Air, NE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: Heavy Showers; Frost: None ; Snow: None		PM
13/06/2019	Breeding Raptor	RVP2	03:00 starting at 09:00	Wind Speed and Direction:Light Breeze, N; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		PM
13/06/2019	Breeding Raptor	RVP1	03:00 starting at 12:30	Wind Speed and Direction:Light Breeze, N; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		PM
10/07/2019	Breeding Raptor	RVP3	01:00 starting at 08:50	Wind Speed and Direction:Light Air, S; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: Heavy Showers; Frost: None ; Snow: None	No raptors seen	PM
10/07/2019	Breeding Raptor	RVP3	02:00 starting at 09:50	Wind Speed and Direction:Light Air, S; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	No raptors seen	PM
10/07/2019	Breeding Raptor	RVP4	02:00 starting at 12:20	Wind Speed and Direction:Light Air, S; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	No raptors seen	PM
10/07/2019	Breeding Raptor	RVP4	01:00 starting at 14:20	Wind Speed and Direction:Light Air, S; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: Heavy Showers; Frost: None ; Snow: None	No raptors seen	PM
19/07/2019	Breeding Raptor	RVP2	03:00 starting at 07:45	Wind Speed and Direction:Light Breeze, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: Light Showers; Frost: None ; Snow: None	No raptors seen	PM
26/07/2019	Breeding Raptor	RVP1	03:00 starting at 09:30	Wind Speed and Direction:Gentle Breeze, S; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: Light Showers; Frost: None ; Snow: None		PM

Table 1-4 Winter Transect Survey Effort

Date	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
15/12/2015	Winter Walkover Transect	3	04:39 starting at 09:21	wind speed and direction:Calm, SE; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None	Badger footprints on bridge at north end of transect	PT
15/12/2015	Winter Walkover Transect	4	02:52 starting at 10:33	wind speed and direction:Moderate Breeze, SE; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None	Otter tracks at N409772	PT
15/12/2015	Winter Walkover Transect	5	00:07 starting at 16:15	wind speed and direction:Fresh Breeze, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		PT
15/12/2015	Winter Walkover Transect	6	00:30 starting at 15:20	wind speed and direction:Fresh Breeze, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		PT
24/12/2015	Winter Walkover Transect	3	04:27 starting at 09:12	wind speed and direction:Fresh Breeze, W; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		PT
24/12/2015	Winter Walkover Transect	4	02:40 starting at 10:00	wind speed and direction:Fresh Breeze, W; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		PT
24/12/2015	Winter Walkover Transect	5	00:10 starting at 14:20	wind speed and direction:Moderate Breeze, W; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		PT
24/12/2015	Winter Walkover Transect	6	00:30 starting at 14:45	wind speed and direction:Moderate Breeze, W; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		PT
14/01/2016	Winter Walkover Transect	3	00:33 starting at 14:55	wind speed and direction:Gentle Breeze, NW; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None	western section to river only (snow prevented further survey)	PT
15/01/2016	Winter Walkover Transect	3	03:56 starting at 09:18	wind speed and direction:Gentle Breeze, W; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None	snow on ground	PT
15/01/2016	Winter Walkover Transect	4	02:50 starting at 10:00	wind speed and direction:Gentle Breeze, W; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None	both loughs totally iced over; snow on ground	PT
15/01/2016	Winter Walkover Transect	5	00:10 starting at 14:02	wind speed and direction:Gentle Breeze, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		PT
15/01/2016	Winter Walkover Transect	6	00:36 starting at 14:28	wind speed and direction:Gentle Breeze, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		PT
11/02/2016	Winter Walkover Transect	3	02:13 starting at 12:07	wind speed and direction:Light Breeze, N; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None	fog at start of transect (c.10 minutes)	PT
11/02/2016	Winter Walkover Transect	4	04:53 starting at 10:07	wind speed and direction:Light Breeze, NE; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None	fog until 1215; visibility 350m	PT
12/02/2016	Winter Walkover Transect	5	00:08 starting at 10:01	wind speed and direction:Gentle Breeze, E; visibility: Poor (<km); Rain: None; Frost: None ; Snow: None		PT
12/02/2016	Winter Walkover Transect	5		wind speed and direction:Calm, ; visibility: No Visibility; Rain: None; Frost: None ; Snow: None	Regional road near transect	PT
12/02/2016	Winter Walkover Transect	6	00:44 starting at 09:07	wind speed and direction:Light Air, E; visibility: Poor (<km); Rain: None; Frost: None ; Snow: None		PT
12/03/2016	Winter Walkover Transect	5		wind speed and direction:Calm, ; visibility: No Visibility; Rain: None; Frost: None ; Snow: None	Regional road near transect	SD

12/03/2016	Winter Walkover Transect	6		wind speed and direction:Calm, ; visibility: No Visibility; Rain: None; Frost: None ; Snow: None	Regional road near transect	SD
30/10/2016	Winter Walkover Transect	4	02:30 starting at 10:40	wind speed and direction:Light Breeze, SE; visibility: Moderate (1-2km); Rain: None; Frost: None ; Snow: None		PT
17/12/2016	Winter Walkover Transect	4	02:20 starting at 12:10	wind speed and direction:Calm, ; visibility: Good (>2km); Rain: ; Frost: ; Snow:	Some trucks loading peat near VP4 location	John Carey
28/01/2017	Winter Walkover Transect	4	02:06 starting at 08:27	wind speed and direction:Light Breeze, SW; visibility: Poor (<km); Rain: None; Frost: None ; Snow: None		PT
27/03/2017	Winter Walkover Transect	4	02:50 starting at 09:52	wind speed and direction:Light Breeze, E; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		PT
09/10/2018	winter walk-over		06:00 starting at 10:00	Wind Speed and Direction:Strong Breeze, s; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66- 100% Rain: None; Frost: None; Snow: None		DM
23/10/2018	winter walk-over		01:00 starting at 09:20	Wind Speed and Direction:Gentle Breeze, sw; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66- 100% Rain: None; Frost: None; Snow: None		DM
23/10/2018	winter walk-over		01:00 starting at 10:20	Wind Speed and Direction:Moderate Breeze, sw; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100% Rain: None; Frost: None; Snow: None		DM
23/10/2018	winter walk-over		01:00 starting at 11:20	Wind Speed and Direction:Fresh Breeze, sw; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66- 100% Rain: None; Frost: None; Snow: None		DM
23/10/2018	winter walk-over		02:00 starting at 12:20	Wind Speed and Direction:Fresh Breeze, w; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66- 100% Rain: None; Frost: None; Snow: None		DM
23/10/2018	winter walk-over		01:10 starting at 14:20	Wind Speed and Direction:Moderate Breeze, w; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33- 66% Rain: None; Frost: None; Snow: None		DM
03/12/2018	Winter Walkover		06:00 starting at 09:30	Wind Speed and Direction:Light Breeze, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33- 66 Rain: None; Frost: None ; Snow: None		PM
12/12/2018	Winter Walkover		04:30 starting at 09:30	Wind Speed and Direction:Light Breeze, SE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66- 100 Rain: None; Frost: None ; Snow: None		PM
14/01/2019	Winter Walkover		06:00 starting at 10:00	Wind Speed and Direction:Light Breeze, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66- 100 Rain: None; Frost: None ; Snow: None		PM
15/01/2019	Winter Walkover		03:00 starting at 10:00	Wind Speed and Direction:Gentle Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66- 100 Rain: None; Frost: None ; Snow: None		PM
15/01/2019	Winter Walkover		02:30 starting at 13:00	Wind Speed and Direction:Gentle Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66- 100 Rain: Drizzle Mist; Frost: None ; Snow: None		PM



21/03/2019	Winter Walkover		06:00 starting at 09:00	Wind Speed and Direction:Light Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		PM
22/03/2019	Winter Walkover		05:00 starting at 08:30	Wind Speed and Direction:Gentle Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: Light Showers; Frost: None ; Snow: None		PM
04/10/2019	Winter Walkover		02:00 starting at 09:30	Wind Speed and Direction:Gentle Breeze, SE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		PM
04/10/2019	Winter Walkover		01:00 starting at 11:30	Wind Speed and Direction:Moderate Breeze, SE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: Heavy Showers; Frost: None ; Snow: None		PM
05/10/2019	Winter Walkover		03:00 starting at 11:30	Wind Speed and Direction:Gentle Breeze, SE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		PM
10/10/2019	Winter Walkover		05:00 starting at 09:30	Wind Speed and Direction:Gentle Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: Light Showers; Frost: None ; Snow: None	Large sections of the bog flooded	PM
06/01/2020	Walkover		02:00 starting at 09:30	Wind Speed and Direction:Gentle Breeze, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: Light Showers; Frost: None ; Snow: None		PM
06/01/2020	Walkover		04:00 starting at 11:30	Wind Speed and Direction:Gentle Breeze, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		PM
07/01/2020	Walkover		05:00 starting at 09:30	Wind Speed and Direction:Moderate Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: Light Showers; Frost: None ; Snow: None		PM
19/03/2020	Winter walk-over		01:00 starting at 08:45	Wind Speed and Direction:Calm, n; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33% Rain: None; Frost: On site; Snow: None		DM
19/03/2020	Winter walk-over		01:00 starting at 09:45	Wind Speed and Direction:Light Air, n; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33% Rain: None; Frost: None; Snow: None		DM
19/03/2020	Winter walk-over		01:00 starting at 10:45	Wind Speed and Direction:Light Air, n; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66% Rain: None; Frost: None; Snow: None		DM
19/03/2020	Winter walk-over		03:15 starting at 11:45	Wind Speed and Direction:Light Breeze, n; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66% Rain: None; Frost: None; Snow: None		DM
20/03/2020	Winter walk-over		08:45:00	Wind Speed and Direction:Light Breeze, ne; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33% Rain: None; Frost: On site; Snow: None		DM

20/03/2020	Winter walk-over		03:00 starting at 09:45	Wind Speed and Direction:Light Breeze, ne; Visibility: ; Cloud Height: >500m; Cloud Cover %: 0-33% Rain: None; Frost: None; Snow: None		DM
20/03/2020	Winter walk-over		01:45 starting at 12:45	Wind Speed and Direction:Gentle Breeze, e; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0- 33% Rain: None; Frost: None; Snow: None		DM

Table 1-5 Wildfowl Survey Effort

Date	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
27/10/2015	Wildfowl Surveys		00:50 starting at 09:40	wind speed and direction: ; visibility: ; Rain: ; Frost: ; Snow:		DM
20/12/2015	Wildfowl Surveys		00:00 starting at 00:00	wind speed and direction: Fresh Breeze, SW; visibility: No Visibility; Rain: Light Showers; Frost: None ; Snow: None	Visit 1 - northern loughs; sunny spells	PT
21/12/2015	Wildfowl Surveys		06:50 starting at 09:35	wind speed and direction: Fresh Breeze, W; visibility: No Visibility; Rain: None; Frost: None ; Snow: None	Visit 1 - Lough Derravaragh; sunny; fresh to strong breeze initially on east side of lough; dusk watch at 407668 to 1655 hrs	PT
30/12/2015	Wildfowl Surveys		06:35 starting at 09:30	wind speed and direction: Fresh Breeze, S; visibility: No Visibility; Rain: Drizzle Mist; Frost: None ; Snow: None	Visit 2 - northern loughs	PT
31/12/2015	Wildfowl Surveys		05:10 starting at 10:30	wind speed and direction: Fresh Breeze, S; visibility: No Visibility; Rain: Drizzle Mist; Frost: None ; Snow: None	Visit 2 - Lough Derravaragh; NW part of lough (areas 5 & 6) not surveyed thoroughly due to access difficulties/flooding	PT
16/01/2016	Wildfowl Surveys		04:20 starting at 08:55	wind speed and direction: Gentle Breeze, SW; visibility: No Visibility; Rain: None; Frost: None ; Snow: None	Visit 3 - Lough Derravaragh; sharp frost	PT
17/01/2016	Wildfowl Surveys		06:00 starting at 08:00	wind speed and direction: Gentle Breeze, SE; visibility: No Visibility; Rain: None; Frost: None ; Snow: None	Visit 3 - northern loughs (to 1150) and Garriskil Bog (1230-1400, no geese)	PT
10/02/2016	Wildfowl Surveys		06:45 starting at 09:05	wind speed and direction: Strong Gale, W; visibility: No Visibility; Rain: None; Frost: None ; Snow: None	Garriskil Bog (0905-1015; no geese); Visit 4 - L. Derravaragh; 2 anglers' boats on lough	PT
11/02/2016	Wildfowl Surveys		00:10 starting at 09:15	wind speed and direction: Calm, -; visibility: No Visibility; Rain: None; Frost: None ; Snow: None	Visit 4 - Bracklagh Lough only (fog closing in)	PT
12/02/2016	Wildfowl Surveys		03:45 starting at 13:50	wind speed and direction: Gentle Breeze, -; visibility: No Visibility; Rain: Light Showers; Frost: None ; Snow: None	Visit 4 - northern loughs (excluding Bracklagh)	PT
05/03/2016	Wildfowl Surveys		06:25 starting at 09:35	wind speed and direction: Moderate Breeze, N; visibility: No Visibility; Rain: Drizzle Mist; Frost: None ; Snow: None	Visit 5 - Derravaragh & Garriskil Bog; no Whoopers seen from road at Tullynally, 0935-50; no geese on Garriskil Bog	PT

06/03/2016	Wildfowl Surveys		04:20 starting at 09:40	wind speed and direction:Light Breeze, W; visibility: No Visibility; Rain: Drizzle Mist; Frost: None ; Snow: None		PT
30/03/2016	Wildfowl Surveys		10:30 starting at 08:30	wind speed and direction:Moderate Breeze, SW; visibility: No Visibility; Rain: Drizzle Mist; Frost: None ; Snow: None	Visit 6 - all sites	PT
19/04/2016	Wildfowl Surveys		08:55 starting at 09:30	wind speed and direction:Gentle Breeze, E; visibility: No Visibility; Rain: ; Frost: None ; Snow: None	Visit 7 - all sites	PT
26/04/2016	Wildfowl Surveys		00:35 starting at 19:15	wind speed and direction:Fresh Breeze, -; visibility: No Visibility; Rain: ; Frost: None ; Snow: None	Garriskil Bog - no geese	PT
27/04/2016	Wildfowl Surveys		09:15 starting at 08:05	wind speed and direction:Moderate Breeze, N; visibility: No Visibility; Rain: Drizzle Mist; Frost: None ; Snow: None	Visit 8 - all lakes; early frost	PT
09/05/2016	Wildfowl Surveys		07:05 starting at 06:50	wind speed and direction:Fresh Breeze, E; visibility: No Visibility; Rain: None; Frost: None ; Snow: None	Visit 9 - all sites	PT
13/08/2016	Wildfowl Surveys		02:55 starting at 08:20	wind speed and direction:Light Breeze, S; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None	Northern Loughs visit (1st visit of two for Augusty 2016)	John Carey
28/08/2016	Wildfowl Surveys		02:45 starting at 08:30	wind speed and direction:Gentle Breeze, N; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None	Northern Loughs visit (2nd visit of two for Augusty 2016). View over Lough Kinale south was very poor. Should improve when foligae falls of trees.	John Carey
17/10/2016	Wildfowl Surveys		07:00 starting at 11:00	wind speed and direction:Light Breeze, SW; visibility: Good (>2km); Rain: Drizzle Mist; Frost: None ; Snow: None		John Carey
31/10/2016	Wildfowl Surveys		06:00 starting at 10:25	wind speed and direction:., NE → N; visibility: Good (>2km); Rain: Drizzle Mist; Frost: None ; Snow: None	full lake count, except L.Derragh; no geese on Garriskil bog	PT
15/11/2016	Wildfowl Surveys		07:30 starting at 08:00	wind speed and direction:Calm, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		John Carey
28/11/2016	Wildfowl Surveys			wind speed and direction:., SE; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		PT

28/11/2016	Wildfowl Surveys		03:10 starting at 09:15	wind speed and direction:Light Breeze, S; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		John Carey
29/11/2016	Wildfowl Surveys		01:00 starting at 15:35	wind speed and direction:, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None	check from new location at approx N 36339 67646; no geese	PT
17/12/2016	Wildfowl Surveys		05:25 starting at 08:35	wind speed and direction:Calm, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		John Carey
17/12/2016	Wildfowl Surveys		02:55 starting at 09:00	wind speed and direction:, S ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None	Lough Derravaragh	PT
19/12/2016	Wildfowl Surveys		00:10 starting at 13:35	wind speed and direction:, NW; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None	no geese	PT
29/12/2016	Wildfowl Surveys		07:00 starting at 08:30	wind speed and direction:Light Breeze, S; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		John Carey
16/01/2017	Wildfowl Surveys		06:00 starting at 11:15	wind speed and direction:Calm, SW; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		John Carey
01/02/2017	Wildfowl Surveys		06:00 starting at 07:30	wind speed and direction:Light Breeze, SW; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None	Wind was a steady 3, with occasional gusts. Water was choppy on the lakes.	John Carey
16/02/2017	Wildfowl Surveys		07:00 starting at 07:00	wind speed and direction:Light Air, SE; visibility: Good (>2km); Rain: Drizzle Mist; Frost: None ; Snow: None		John Carey
28/02/2017	Wildfowl Surveys		09:55 starting at 08:50	wind speed and direction:Light Breeze, NE; visibility: Good (>2km); Rain: Light Showers; Frost: None ; Snow: None	Wind was a steady 3, with occasional gusts. Water was choppy on the lakes.	John Carey
12/03/2017	Wildfowl Surveys		08:15 starting at 11:00	wind speed and direction:Light Breeze, NW; visibility: Good (>2km); Rain: Light Showers; Frost: None ; Snow: None	Occasional gust F4, overall clear and good conditions with light afternoon shower. Increased boat activity on Lough Sheelin.	John Carey

05/04/2017	Wildfowl Surveys		01:00 starting at 12:00	wind speed and direction:Gentle Breeze, SW; visibility: Good (>2km); Rain: Light Showers; Frost: None; Snow: None		PM
05/04/2017	Wildfowl Surveys		01:00 starting at 13:00	wind speed and direction:Gentle Breeze, SW; visibility: Good (>2km); Rain: Light Showers; Frost: None ; Snow: None		PM
05/04/2017	Wildfowl Surveys		01:00 starting at 14:00	wind speed and direction:Gentle Breeze, SW; visibility: Good (>2km); Rain: Light Showers; Frost: None ; Snow: None		PM
05/04/2017	Wildfowl Surveys		01:00 starting at 15:00	wind speed and direction:Gentle Breeze, SW; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		PM
05/04/2017	Wildfowl Surveys		00:30 starting at 16:00	wind speed and direction:Gentle Breeze, SW; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		PM
04/05/2017	Wildfowl Surveys		04:00 starting at 09:00	Wind Speed and Direction:Light Breeze, NE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None		PM
26/05/2017	Wildfowl Surveys		02:35 starting at 11:45	Wind Speed and Direction:Light Breeze, SE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None		PM
14/08/2017	Wildfowl Surveys		05:00 starting at 10:00	wind speed and direction:Moderate Breeze, S; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		DM
24/08/2017	Wildfowl Surveys		04:40 starting at 09:50	wind speed and direction:Moderate Breeze, SW; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		DM
01/09/2017	Wildfowl Surveys		01:00 starting at 08:30	Wind Speed and Direction:Light Breeze, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 2 Rain: None; Frost: None ; Snow:		JH
01/09/2017	Wildfowl Surveys		01:00 starting at 09:30	Wind Speed and Direction:Light Breeze, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 2 Rain: None; Frost: None ; Snow: None	Wildfowl Open Season- Disturbance due to wildfowl hunting	JH
01/09/2017	Wildfowl Surveys		01:00 starting at 10:30	Wind Speed and Direction:Light Breeze, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 2 Rain: None; Frost: None ; Snow: None	Wildfowl Open Season- Disturbance due to wildfowl hunting	JH
01/09/2017	Wildfowl Surveys		01:00 starting at 11:30	Wind Speed and Direction:Light Air, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 3 Rain: None; Frost: None ; Snow: None	Wildfowl Open Season- Disturbance due to wildfowl hunting	JH

01/09/2017	Wildfowl Surveys		01:00 starting at 13:00	Wind Speed and Direction:Light Air, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 3 Rain: None; Frost: None ; Snow: None	Wildfowl Open Season- Disturbance due to wildfowl hunting	JH
01/09/2017	Wildfowl Surveys		01:00 starting at 14:00	Wind Speed and Direction:Light Air, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 3 Rain: None; Frost: None ; Snow: None	Wildfowl Open Season- Disturbance due to wildfowl hunting	JH
01/09/2017	Wildfowl Surveys		01:00 starting at 15:00	Wind Speed and Direction:Light Air, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 3 Rain: None; Frost: None ; Snow: None	Wildfowl Open Season- Disturbance due to wildfowl hunting	JH
04/04/2018	Lake Counts		04:30 starting at 11:30	Wind Speed and Direction:Gentle Breeze, NE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		PM
09/04/2018	Lough Iron Survey	WGVP	03:00 starting at 18:19	Wind Speed and Direction:Light Breeze, SE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	No WG Seen	PM
19/04/2018	Lough Iron Survey	WGVP	03:00 starting at 18:37	Wind Speed and Direction:Light Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None	No WG Seen	PM
22/04/2018	Lake Counts		04:30 starting at 12:30	Wind Speed and Direction:Gentle Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None		PM
02/05/2018	Lough Iron Survey	WGVP	03:00 starting at 19:01	Wind Speed and Direction:Light Breeze, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		PM
03/05/2018	Lake Counts		04:30 starting at 10:00	Wind Speed and Direction:Light Breeze, S; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: Light Showers; Frost: None ; Snow: None		PM
17/05/2018	Lough Iron Survey	WGVP	03:00 starting at 19:27	Wind Speed and Direction:Light Breeze, E; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None		PM
18/05/2018	Lake Counts		04:10 starting at 10:20	Wind Speed and Direction:Light Breeze, S; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		PM
03/09/2018	Lake Counts		04:30 starting at 10:00	Wind Speed and Direction:Light Air, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None		PM
12/09/2018	Lough Iron Survey	WGVP	01:00 starting at 18:00	Wind Speed and Direction:Gentle Breeze, w; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33% Rain: None; Frost: None; Snow: None		DM
12/09/2018	Lough Iron Survey	WGVP	01:00 starting at 19:00	Wind Speed and Direction:Light Breeze, w; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33% Rain: None; Frost: None; Snow: None		DM

12/09/2018	Lough Iron Survey	WGVP	01:00 starting at 20:00	Wind Speed and Direction:Gentle Breeze, w; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66% Rain: Light Showers; Frost: None; Snow: None		DM
19/09/2018	Lake Counts		04:30 starting at 10:30	Wind Speed and Direction:Fresh Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		PM
25/09/2018	Lough Iron Survey	WGVP	03:00 starting at 17:20	Wind Speed and Direction:Gentle Breeze, sw; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100% Rain: None; Frost: None; Snow: None		DM
05/10/2018	Lake Count		05:00 starting at 10:30	Wind Speed and Direction:Light Breeze, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None		PM
09/10/2018	White-fronted goose	wgyp	03:00 starting at 16:45	Wind Speed and Direction:Strong Breeze, s; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100% Rain: None; Frost: None; Snow: None		DM
22/10/2018	Lake Count		04:00 starting at 11:00	Wind Speed and Direction:Light Breeze, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		PM
23/10/2018	White-fronted goose	wgyp	02:00 starting at 16:15	Wind Speed and Direction:Fresh Breeze, w; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66% Rain: None; Frost: None; Snow: None	Whooper swan on lake calling all three hours	DM
23/10/2018	White-fronted goose	wgyp	01:00 starting at 18:15	Wind Speed and Direction:Gentle Breeze, w; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66% Rain: None; Frost: None; Snow: None		DM
06/11/2018	Wildfowl Survey		04:30 starting at 12:00	Wind Speed and Direction:Light Breeze, S; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: Drizzle Mist; Frost: None ; Snow: None		PM
08/11/2018	Lough Iron Goose Survey		03:00 starting at 14:41	Wind Speed and Direction:Light Breeze, SE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		PM
20/11/2018	Wildfowl Survey		04:00 starting at 10:45	Wind Speed and Direction:Light Breeze, NE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		PM
21/11/2018	Lough Iron Goose Survey		02:00 starting at 15:23	Wind Speed and Direction:Light Breeze, SE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: Light Showers; Frost: None ; Snow: None		PM
06/12/2018	Wildfowl Distribution		05:00 starting at 09:00	Wind Speed and Direction:Light Breeze, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: Light Showers; Frost: None ; Snow: None		PM
06/12/2018	Lough Iron Goose Survey		03:00 starting at 14:10	Wind Speed and Direction:Light Breeze, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		PM



20/12/2018	Wildfowl Distribution		04:30 starting at 09:15	Wind Speed and Direction:Gentle Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		PM
20/12/2018	Lough Iron Goose Survey		03:00 starting at 14:09	Wind Speed and Direction:Gentle Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		PM
09/01/2019	Lough Iron Goose Survey		03:00 starting at 14:29	Wind Speed and Direction:Light Air, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		PM
10/01/2019	Wildfowl Distribution		04:30 starting at 10:00	Wind Speed and Direction:Light Air, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		PM
28/01/2019	Lough Iron Goose Survey		03:00 starting at 15:02	Wind Speed and Direction:Light Breeze, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None		PM
29/01/2019	Wildfowl Distribution		04:30 starting at 10:30	Wind Speed and Direction:Light Breeze, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None		PM
06/02/2019	Lough Iron Survey		02:30 starting at 15:49	Wind Speed and Direction:Light Breeze, SE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None		PM
08/02/2019	Lake Count		05:00 starting at 10:00	Wind Speed and Direction:Fresh Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		PM
13/02/2019	Lough Iron Goose Survey		03:00 starting at 15:34	Wind Speed and Direction:Light Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		PM
26/02/2019	Lake Count		04:30 starting at 08:30	Wind Speed and Direction:Light Breeze, S; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None		PM
27/02/2019	Lough Iron Goose Survey		03:00 starting at 16:02	Wind Speed and Direction:Light Breeze, S; Visibility: Poor (<km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None	Poor visibility due to haze around lake and in valley. Usual feeding spot for WS and WF obstructed in haze so not surveyed	PM
13/03/2019	Lough Iron Survey		03:00 starting at 16:28	Wind Speed and Direction:Moderate Breeze, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		PM
25/03/2019	Lake Counts		05:00 starting at 11:00	Wind Speed and Direction:Light Breeze, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		PM
27/03/2019	Lough Iron Survey		03:00 starting at 16:51	Wind Speed and Direction:Light Breeze, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	15 WG feeding in fields but not observed going to roost	PM

09/04/2019	Lake Counts		05:00 starting at 10:00	Wind Speed and Direction:Light Breeze, NE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		PM
10/04/2019	Lough Iron Survey		03:00 starting at 18:20	Wind Speed and Direction:Light Breeze, E; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	No WS or WG seen	PM
24/04/2019	Lake Counts		05:00 starting at 09:30	Wind Speed and Direction:Light Breeze, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		PM
29/04/2019	Lough Iron Survey		03:00 starting at 18:55	Wind Speed and Direction:Light Breeze, SE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	No WS or WG seen	PM
20/08/2019	Wetland Survey	Coole II	04:00 starting at 12:09	Wind Speed and Direction:Light Breeze, W; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 3 Rain: Light Showers; Frost: None ; Snow: None	Very light rain on and off throughout the day, with the occasional heavy shower. Plenty of Wildfowl present on the lough's, with good number's of Coot and Mute Swan in particular. Flushed a Buzzard from a field and and also heard a Snipe 'chipping' from reeds/wetland. See Incidentals for more detail's.	L. Dark
20/08/2019	Wetland Survey	Coole II	02:35 starting at 16:09	Wind Speed and Direction:Light Breeze, W; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 2 Rain: Light Showers; Frost: None ; Snow: None	Very light rain on and off throughout the day, with the occasional heavy shower. Plenty of Wildfowl present on the lough's, with good number's of Coot and Mute Swan in particular. Flushed a Buzzard from a field and and also heard a Snipe 'chipping' from reeds/wetland. See Incidentals for more detail's.	L. Dark
22/08/2019	Wetland Survey	Lough Iron	01:00 starting at 18:38	Wind Speed and Direction:Light Breeze, W; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 2 Rain: None; Frost: None ; Snow: None	A very quiet evening on Lough Iron. Saw a couple of Mute Swan's but no Geese were present. Flushed a Buzzard walking to the observation point. See Incidentals for more information.	L. Dark
22/08/2019	Wetland Survey	Lough Iron	02:00 starting at 19:38	Wind Speed and Direction:Light Air, W; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 2 Rain: None; Frost: None ; Snow: None	A very quiet evening on Lough Iron. Saw a couple of Mute Swan's but no Geese were present. Flushed a Buzzard walking to the observation point. See Incidentals for more information.	L. Dark
29/08/2019	Lough Iron Survey		15:00 starting at 06:30	Wind Speed and Direction:Light Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: Ground		PM
30/08/2019	Lake Counts		04:30 starting at 09:00	Wind Speed and Direction:Gentle Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: Light Showers; Frost: None ; Snow: Ground		PM
09/09/2019	Lough Iron Survey		03:00 starting at 18:00	Wind Speed and Direction:Light Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	No WG or WS seen	PM

10/09/2019	Lake Counts		03:30 starting at 09:30	Wind Speed and Direction:Light Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None		PM
24/09/2019	Lake Counts		05:00 starting at 09:00	Wind Speed and Direction:Light Breeze, S; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None		PM
25/09/2019	Lough Iron Survey		03:00 starting at 17:20	Wind Speed and Direction:Light Breeze, S; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: Heavy Showers; Frost: None ; Snow: None	No WG or WS seen	PM
08/10/2019	Lough Iron Survey		03:00 starting at 16:50	Wind Speed and Direction:Gentle Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	No WG or WS seen	PM
09/10/2019	Lake Counts		05:00 starting at 09:30	Wind Speed and Direction:Gentle Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		PM
22/10/2019	Lough Iron Survey		03:00 starting at 16:17	Wind Speed and Direction:Light Breeze, S; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	Additional flock of WG heard at 18:15 but not seen flying toward or onto lake.	PM
23/10/2019	Lake Counts		02:00 starting at 10:00	Wind Speed and Direction:Light Breeze, S; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		PM
23/10/2019	Lake Counts		03:00 starting at 12:00	Wind Speed and Direction:Light Breeze, S; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: Light Showers; Frost: None ; Snow: None		PM
05/11/2019	Lough Iron Survey		03:00 starting at 14:47	Wind Speed and Direction:Light Breeze, NE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		PM
07/11/2019	Lake Counts		05:00 starting at 09:30	Wind Speed and Direction:Light Breeze, NE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: Light Showers; Frost: None ; Snow: None		PM
18/11/2019	Lough Iron Survey		03:00 starting at 14:27	Wind Speed and Direction:Light Air, SE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	No WG seen	PM
19/11/2019	Lake Counts		05:00 starting at 10:00	Wind Speed and Direction:Light Air, SE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		PM
04/12/2019	Lake Counts		05:00 starting at 10:00	Wind Speed and Direction:Light Breeze, S; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None		PM
09/12/2019	Lough Iron Survey		02:30 starting at 14:38	Wind Speed and Direction:Light Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None	140WG & 9WS. Additional WS heard up until end of survey in fields to S of lake	PM

18/12/2019	Lake Counts		04:30 starting at 09:00	Wind Speed and Direction: Moderate Breeze, SE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: Heavy Showers; Frost: None ; Snow: None	Larger lakes very choppy	PM
29/12/2019	Lough Iron Survey		02:30 starting at 14:45	Wind Speed and Direction: Light Breeze, SE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		PM
03/01/2020	Lake Counts		05:00 starting at 09:30	Wind Speed and Direction: Light Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None		PM
08/01/2020	Lough Iron Survey		02:30 starting at 14:57	Wind Speed and Direction: Light Air, SE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		PM
20/01/2020	Lake Counts		05:00 starting at 09:30	Wind Speed and Direction: Light Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: On site; Snow: None	Lough Bane & Bracklagh Lough frozen. Lough Kinale & Derragh Lough partially frozen.	PM
21/01/2020	Lough Iron Survey		02:30 starting at 15:20	Wind Speed and Direction: Light Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		PM
07/02/2020	Lake Counts		05:00 starting at 10:00	Wind Speed and Direction: Gentle Breeze, SE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		PM
18/02/2020	Lough Iron Survey		02:30 starting at 16:15	Wind Speed and Direction: Light Breeze, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	WG heard flying into lake at 18:27 but not seen	PM
21/02/2020	Lake Counts		05:00 starting at 09:30	Wind Speed and Direction: Moderate Breeze, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: Light Showers; Frost: None ; Snow: None		PM
09/03/2020	Lough Iron Survey		02:30 starting at 16:52	Wind Speed and Direction: Moderate Breeze, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		PM
10/03/2020	Lake Counts		05:00 starting at 10:00	Wind Speed and Direction: Moderate Breeze, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		PM
24/03/2020	Lough Iron Survey		02:30 starting at 17:21	Wind Speed and Direction: Light Breeze, S; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		PM
25/03/2020	Lake count		04:00 starting at 09:30	Wind Speed and Direction: Light Breeze, s; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100% Rain: None; Frost: None; Snow: None		DM
25/03/2020	Lake count		03:00 starting at 13:30	Wind Speed and Direction: Light Air, s; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100% Rain: None; Frost: None; Snow: None		DM

Table 1-6 Woodcock Survey Effort

Date	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
10/06/2016	Woodcock Survey	WK1	02:00 starting at 21:05	wind speed and direction:Gentle Breeze, E; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		PT
11/06/2016	Woodcock Survey	WK2	02:00 starting at 21:05	wind speed and direction:Gentle Breeze, SW; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		PT
11/06/2016	Woodcock Survey	WK4	02:03 starting at 20:57	wind speed and direction:Light Air, SW; visibility: Poor (<km); Rain: None; Frost: None ; Snow: None		John Carey
16/06/2016	Woodcock Survey	WK5	02:00 starting at 21:00	wind speed and direction:Moderate Breeze, N; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		PT
17/06/2016	Woodcock Survey	WK3	02:00 starting at 21:00	wind speed and direction:Moderate Breeze, NW; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		PT
18/06/2016	Woodcock Survey	WK4	02:05 starting at 21:00	wind speed and direction:Light Air, SW; visibility: Poor (<km); Rain: None; Frost: None ; Snow: None		John Carey
23/06/2016	Woodcock Survey	WK1	02:05 starting at 21:00	wind speed and direction:Light Air, SW; visibility: Poor (<km); Rain: None; Frost: None ; Snow: None		John Carey
23/06/2016	Woodcock Survey	WK2	02:05 starting at 21:00	wind speed and direction:Light Air, SW; visibility: Poor (<km); Rain: None; Frost: None ; Snow: None		John Carey
23/06/2016	Woodcock Survey	WK3	02:00 starting at 21:00	wind speed and direction:Light Air, SW; visibility: Poor (<km); Rain: None; Frost: None ; Snow: None	NO WK reported	John Carey
23/06/2016	Woodcock Survey	WK5	02:10 starting at 21:00	wind speed and direction:Light Air, SW; visibility: Poor (<km); Rain: None; Frost: None ; Snow: None		John Carey
29/06/2016	Woodcock Survey	WK1	02:05 starting at 21:00	wind speed and direction:Light Air, SW; visibility: Poor (<km); Rain: None; Frost: None ; Snow: None		John Carey
29/06/2016	Woodcock Survey	WK2	02:05 starting at 21:00	wind speed and direction:Light Air, SW; visibility: Poor (<km); Rain: None; Frost: None ; Snow: None	NO WK reported	John Carey
29/06/2016	Woodcock Survey	WK3	02:05 starting at 21:00	wind speed and direction:Light Air, SW; visibility: Poor (<km); Rain: None; Frost: None ; Snow: None	NO WK reported	John Carey

29/06/2016	Woodcock Survey	WK4	02:00 starting at 21:00	wind speed and direction:Gentle Breeze, W; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		PT
29/06/2016	Woodcock Survey	WK5	02:05 starting at 21:00	wind speed and direction:Light Air, SW; visibility: Poor (<km); Rain: None; Frost: None ; Snow: None		John Carey
01/06/2017	Woodcock Survey	WK4	01:25 starting at 20:45	Wind Speed and Direction:Light Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: Drizzle Mist; Frost: None ; Snow: None		PM
01/06/2017	Woodcock Survey	WK1	02:00 starting at 20:45	wind speed and direction:Gentle Breeze, SW; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		DM
28/06/2017	Woodcock Survey	WK2	01:40 starting at 21:30	Wind Speed and Direction:Light Air, NE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		PM
29/06/2017	Woodcock Survey	WK3	00:34 starting at 21:30	Wind Speed and Direction:Moderate Breeze, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None		PM