



## APPENDIX 7-2

*SURVEY EFFORT*

## Appendix 7-2 – Survey Effort

### Curraglass Renewable Energy Development





## DOCUMENT DETAILS

Client: **Wingleaf Ltd**

Project Title: **Curraglass Renewable Energy Development**

Project Number: **190301**

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

Document File Name: **190301 – EIAR – 2020.06.19 – F**

Prepared By: **MKO  
Tuam Road  
Galway  
Ireland  
H91 VW84**



Rev	Status	Date	Author(s)	Approved By
01	Draft	08/04/2020	MP	DN
02	Final	19/06/2020	MP	DN/PC



# Table of Contents

## TABLE OF TABLES

<i>Table 1 Vantage Point Survey Effort.....</i>	<i>1</i>
<i>Table 2 Breeding Bird Survey Effort.....</i>	<i>26</i>
<i>Table 3 Breeding Raptor Survey Effort.....</i>	<i>30</i>
<i>Table 4 Breeding Woodcock Survey Effort.....</i>	<i>34</i>
<i>Table 5 Red Grouse Survey Effort.....</i>	<i>35</i>
<i>Table 6 Hen Harrier Roost Survey Effort.....</i>	<i>38</i>
<i>Table 7 Winter Transect/ Waterfowl Survey Effort.....</i>	<i>48</i>

1.

## APPENDIX 7-2 (SURVEY EFFORT)

Table 1 Vantage Point Survey Effort

Date	Survey Method	VP	Survey Duration	Weather Conditions	Comments	Surveyor
25/04/2018	Vantage Point Survey	VP1	03:00 starting at 09:30	Wind Speed and Direction: Moderate Breeze, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 100 Rain: Heavy Showers; Frost: None ; Snow: None		JM
25/04/2018	Vantage Point Survey	VP2	03:00 starting at 13:30	Wind Speed and Direction: Moderate Breeze, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 75 Rain: Light Showers; Frost: None ; Snow: None		JM
25/04/2018	Vantage Point Survey	VP3	03:00 starting at 17:00	Wind Speed and Direction: Moderate Breeze, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 80 Rain: Heavy Showers; Frost: None ; Snow: None		JM
30/04/2018	Vantage Point Survey	VP3	03:00 starting at 08:30	Wind Speed and Direction: Light Breeze, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 50 Rain: None; Frost: None ; Snow: None		JM
30/04/2018	Vantage Point Survey	VP2	03:00 starting at 12:00	Wind Speed and Direction: Light Air, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 40 Rain: None; Frost: None ; Snow: None		JM
30/04/2018	Vantage Point Survey	VP1	03:00 starting at 15:30	Wind Speed and Direction: Calm, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 30 Rain: Light Showers; Frost: None ; Snow: None		JM
08/05/2018	Vantage Point Survey	VP1a	03:00 starting at 07:10	Wind Speed and Direction: Light Breeze, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 3 Rain: Light Showers; Frost: None ; Snow: None	WT eagle	Ciaran Cronin
08/05/2018	Vantage Point Survey	VP2a	03:00 starting at 11:05	Wind Speed and Direction: Light Breeze, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 2 Rain: None; Frost: None ; Snow: None	VP2 is at W07861-62646. This is too high and set back from steep edge therefore you lose visibility of the near section river area and	Ciaran Cronin



Date	Survey Method	VP	Survey Duration	Weather Conditions	Comments	Surveyor
					have no view to the south.VP2a was used instead-W07952-62546.This is a bit lower but allows for better view south and is on a steep slope therefore good view of relevant area.	
09/05/2018	Vantage Point Survey	VP1a	03:00 starting at 13:40	Wind Speed and Direction:Gentle Breeze, SW, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 2 Rain: None; Frost: None ; Snow: None		Ciaran Cronin
09/05/2018	Vantage Point Survey	VP3a	03:00 starting at 17:10	Wind Speed and Direction:Light Breeze, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 1 Rain: None; Frost: None ; Snow: None	Sparrow hawk. VP 3 W09187-62322.moved to vp 3a at W09136-62239 better view of south and retains limited view of land east of forestry.no location within reason allows good view of slopes in east of site. 1 believe this is better achieved from east of main road looking back west to site.	Ciaran Cronin
10/05/2018	Vantage Point Survey	VP3a	03:00 starting at 11:10	Wind Speed and Direction:Gentle Breeze, SE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 2 Rain: None; Frost: None ; Snow: None		Ciaran Cronin
10/05/2018	Vantage Point Survey	VP2a	03:00 starting at 15:15	Wind Speed and Direction:Gentle Breeze, SE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 2 Rain: None; Frost: None ; Snow: None		Ciaran Cronin
01/06/2018	Vantage Point Survey	VP3c	01:00 starting at 12:00	Wind Speed and Direction:Calm, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	New VP location designed to view eastern side of site	Ciaran Cronin
01/06/2018	Vantage Point Survey	VP3c	01:00 starting at 13:00	Wind Speed and Direction:Calm, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		Ciaran Cronin



Date	Survey Method	VP	Survey Duration	Weather Conditions	Comments	Surveyor
01/06/2018	Vantage Point Survey	VP3c	01:00 starting at 14:00	Wind Speed and Direction:Light Air, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		Ciaran Cronin
01/06/2018	Vantage Point Survey	VP2a	01:00 starting at 07:00	Wind Speed and Direction:Calm, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None		Ciaran Cronin
01/06/2018	Vantage Point Survey	VP2a	01:00 starting at 08:00	Wind Speed and Direction:Calm, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None		Ciaran Cronin
01/06/2018	Vantage Point Survey	VP2a	01:00 starting at 09:00	Wind Speed and Direction:Calm, W; Visibility: Good (>2km); Cloud Height: ; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None		Ciaran Cronin
01/06/2018	Vantage Point Survey	VP1a	16:30:00	Wind Speed and Direction:Light Air, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None	Forestry operations extensive in first 800m past entrance gate. Construction works extensive at WF site - dismantling of turbines, required site induction.	Ciaran Cronin
01/06/2018	Vantage Point Survey	VP1a	01:00 starting at 17:30	Wind Speed and Direction:Light Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	Forestry operations extensive in first 800m past entrance gate. Construction works extensive at WF site - dismantling of turbines, required site induction.	Ciaran Cronin
01/06/2018	Vantage Point Survey	VP1a	01:00 starting at 18:30	Wind Speed and Direction:Light Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	Forestry operations extensive in first 800m past entrance gate. Construction works extensive at WF site - dismantling of turbines, required site induction.	Ciaran Cronin
02/06/2018	Vantage Point Survey	VP3c	01:00 starting at 06:00	Wind Speed and Direction:Light Air, SE; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: Drizzle Mist; Frost: None ; Snow: None		Ciaran Cronin



Date	Survey Method	VP	Survey Duration	Weather Conditions	Comments	Surveyor
02/06/2018	Vantage Point Survey	VP3c	01:00 starting at 07:00	Wind Speed and Direction:Light Air, SE; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		Ciaran Cronin
02/06/2018	Vantage Point Survey	VP3c	01:00 starting at 08:00	Wind Speed and Direction:Light Air, SE; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		Ciaran Cronin
02/06/2018	Vantage Point Survey	VP1a	01:00 starting at 09:30	Wind Speed and Direction:Light Air, SE; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		Ciaran Cronin
02/06/2018	Vantage Point Survey	VP1a	01:00 starting at 10:30	Wind Speed and Direction:Light Air, SE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		Ciaran Cronin
02/06/2018	Vantage Point Survey	VP1a	01:00 starting at 11:30	Wind Speed and Direction:Light Air, SE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		Ciaran Cronin
02/06/2018	Vantage Point Survey	VP2a	01:00 starting at 13:00	Wind Speed and Direction:Light Air, SE; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: Drizzle Mist; Frost: None ; Snow: None		Ciaran Cronin
02/06/2018	Vantage Point Survey	VP2a	01:00 starting at 14:00	Wind Speed and Direction:Calm, SE; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: Drizzle Mist; Frost: None ; Snow: None		Ciaran Cronin
02/06/2018	Vantage Point Survey	VP2a	01:00 starting at 15:00	Wind Speed and Direction:Calm, SE; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: Drizzle Mist; Frost: None ; Snow: None		Ciaran Cronin
18/07/2018	Vantage Point Survey	VP3c	01:00 starting at 07:10	Wind Speed and Direction:Calm, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		Ciaran Cronin





Date	Survey Method	VP	Survey Duration	Weather Conditions	Comments	Surveyor
18/07/2018	Vantage Point Survey	VP3c	01:00 starting at 08:10	Wind Speed and Direction:Calm, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		Ciaran Cronin
18/07/2018	Vantage Point Survey	VP3c	01:00 starting at 09:10	Wind Speed and Direction:Calm, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		Ciaran Cronin
18/07/2018	Vantage Point Survey	VP1a	01:00 starting at 10:40	Wind Speed and Direction:Calm, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		Ciaran Cronin
18/07/2018	Vantage Point Survey	VP1a	01:00 starting at 11:40	Wind Speed and Direction:Calm, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		Ciaran Cronin
18/07/2018	Vantage Point Survey	VP1a	01:00 starting at 12:40	Wind Speed and Direction:Calm, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		Ciaran Cronin
18/07/2018	Vantage Point Survey	VP2a	01:00 starting at 14:20	Wind Speed and Direction:Calm, S; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		Ciaran Cronin
18/07/2018	Vantage Point Survey	VP2a	01:00 starting at 15:20	Wind Speed and Direction:Light Air, S; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		Ciaran Cronin
18/07/2018	Vantage Point Survey	VP2a	01:00 starting at 16:20	Wind Speed and Direction:Light Breeze, S; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		Ciaran Cronin
19/07/2018	Vantage Point Survey	VP2a	01:00 starting at 06:40	Wind Speed and Direction:Calm, N; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		Ciaran Cronin



Date	Survey Method	VP	Survey Duration	Weather Conditions	Comments	Surveyor
19/07/2018	Vantage Point Survey	VP2a	01:00 starting at 07:40	Wind Speed and Direction:Calm, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		Ciaran Cronin
19/07/2018	Vantage Point Survey	VP2a	01:00 starting at 08:40	Wind Speed and Direction:Calm, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		Ciaran Cronin
19/07/2018	Vantage Point Survey	VP3c	01:00 starting at 10:15	Wind Speed and Direction:Calm, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		Ciaran Cronin
19/07/2018	Vantage Point Survey	VP3c	01:00 starting at 11:15	Wind Speed and Direction:Calm, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		Ciaran Cronin
19/07/2018	Vantage Point Survey	VP3c	01:00 starting at 12:15	Wind Speed and Direction:Calm, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		Ciaran Cronin
19/07/2018	Vantage Point Survey	VP1a	01:00 starting at 13:45	Wind Speed and Direction:Light Air, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		Ciaran Cronin
19/07/2018	Vantage Point Survey	VP1a	01:00 starting at 14:45	Wind Speed and Direction:Light Air, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None		Ciaran Cronin
19/07/2018	Vantage Point Survey	VP1a	01:00 starting at 15:45	Wind Speed and Direction:Light Air, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None		Ciaran Cronin
22/08/2018	Vantage Point Survey	VP3	01:00 starting at 10:30	Wind Speed and Direction:Moderate Breeze, NW; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 66 Rain: None; Frost: None ; Snow: None		TR



Date	Survey Method	VP	Survey Duration	Weather Conditions	Comments	Surveyor
22/08/2018	Vantage Point Survey	VP3	01:00 starting at 11:30	Wind Speed and Direction: Moderate Breeze, NW; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 66 Rain: None; Frost: None ; Snow: None		TR
22/08/2018	Vantage Point Survey	VP3	01:00 starting at 12:30	Wind Speed and Direction: Gentle Breeze, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66 Rain: None; Frost: None ; Snow: None		TR
22/08/2018	Vantage Point Survey	VP3	01:00 starting at 14:00	Wind Speed and Direction: Gentle Breeze, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66 Rain: None; Frost: None ; Snow: None	Kestrel, Buzzard	TR
22/08/2018	Vantage Point Survey	VP3	01:00 starting at 15:00	Wind Speed and Direction: Gentle Breeze, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33 Rain: None; Frost: None ; Snow: None		TR
22/08/2018	Vantage Point Survey	VP3	01:00 starting at 16:00	Wind Speed and Direction: Moderate Breeze, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0 Rain: None; Frost: None ; Snow: None		TR
23/08/2018	Vantage Point Survey	VP2	01:00 starting at 11:30	Wind Speed and Direction: Gentle Breeze, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0 Rain: None; Frost: None ; Snow: None		TR
23/08/2018	Vantage Point Survey	VP2	01:00 starting at 12:30	Wind Speed and Direction: Gentle Breeze, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0 Rain: None; Frost: None ; Snow: None		TR
23/08/2018	Vantage Point Survey	VP2	01:00 starting at 13:30	Wind Speed and Direction: Light Breeze, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0 Rain: None; Frost: None ; Snow: None	Kestrel	TR
23/08/2018	Vantage Point Survey	VP2	01:00 starting at 15:00	Wind Speed and Direction: Gentle Breeze, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33 Rain: None; Frost: None ; Snow: None		TR



Date	Survey Method	VP	Survey Duration	Weather Conditions	Comments	Surveyor
23/08/2018	Vantage Point Survey	VP2	01:00 starting at 16:00	Wind Speed and Direction:Light Breeze, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66 Rain: None; Frost: None ; Snow: None		TR
23/08/2018	Vantage Point Survey	VP2	01:00 starting at 17:00	Wind Speed and Direction:Light Breeze, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66 Rain: None; Frost: None ; Snow: None		TR
24/08/2018	Vantage Point Survey	VP1	01:00 starting at 08:45	Wind Speed and Direction:Light Breeze, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66 Rain: None; Frost: None ; Snow: None		TR
24/08/2018	Vantage Point Survey	VP1	01:00 starting at 09:45	Wind Speed and Direction:Light Breeze, NW; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 66 Rain: Heavy Showers; Frost: None ; Snow: None	Kestrel	TR
24/08/2018	Vantage Point Survey	VP1	01:00 starting at 10:45	Wind Speed and Direction:Gentle Breeze, W; Visibility: Poor (<km); Cloud Height: 150-500m; Cloud Cover %: 66 Rain: None; Frost: None ; Snow: None		TR
24/08/2018	Vantage Point Survey	VP1	01:00 starting at 12:15	Wind Speed and Direction:Gentle Breeze, NW; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 66 Rain: Heavy Showers; Frost: None ; Snow: None		TR
24/08/2018	Vantage Point Survey	VP1	01:00 starting at 13:15	Wind Speed and Direction:Gentle Breeze, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66 Rain: Light Showers; Frost: None ; Snow: None		TR
24/08/2018	Vantage Point Survey	VP1	01:00 starting at 14:15	Wind Speed and Direction:Gentle Breeze, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66 Rain: None; Frost: None ; Snow: None		TR
24/09/2018	Vantage Point Survey	VP2	01:00 starting at 06:55	Wind Speed and Direction:Moderate Breeze, s; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None		TK



Date	Survey Method	VP	Survey Duration	Weather Conditions	Comments	Surveyor
24/09/2018	Vantage Point Survey	VP2	01:00 starting at 07:55	Wind Speed and Direction:Moderate Breeze, s; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None		TK
24/09/2018	Vantage Point Survey	VP2	01:00 starting at 08:55	Wind Speed and Direction:Moderate Breeze, s; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None		TK
24/09/2018	Vantage Point Survey	VP2	01:00 starting at 10:25	Wind Speed and Direction:Moderate Breeze, sw; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None	<b>Male Kestrel observed hunting</b>	TK
24/09/2018	Vantage Point Survey	VP2	01:00 starting at 11:25	Wind Speed and Direction:Moderate Breeze, sw; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None		TK
24/09/2018	Vantage Point Survey	VP2	01:00 starting at 12:25	Wind Speed and Direction:Moderate Breeze, sw; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None		TK
25/09/2018	Vantage Point Survey	VP1	01:00 starting at 07:05	Wind Speed and Direction:Fresh Breeze, S; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None		TK
25/09/2018	Vantage Point Survey	VP1	01:00 starting at 08:05	Wind Speed and Direction:Fresh Breeze, S; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None		TK
25/09/2018	Vantage Point Survey	VP1	01:00 starting at 09:05	Wind Speed and Direction:Fresh Breeze, S; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None		TK
25/09/2018	Vantage Point Survey	VP1	01:00 starting at 10:35	Wind Speed and Direction:Fresh Breeze, S; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None		TK



Date	Survey Method	VP	Survey Duration	Weather Conditions	Comments	Surveyor
25/09/2018	Vantage Point Survey	VP1	01:00 starting at 11:35	Wind Speed and Direction:Fresh Breeze, S; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None		TK
25/09/2018	Vantage Point Survey	VP1	01:00 starting at 12:35	Wind Speed and Direction:Fresh Breeze, S; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None		TK
28/09/2018	Vantage Point Survey	VP3	01:00 starting at 07:10	Wind Speed and Direction:Gentle Breeze, NE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None		TK
28/09/2018	Vantage Point Survey	VP3	01:00 starting at 08:10	Wind Speed and Direction:Gentle Breeze, NE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None		TK
28/09/2018	Vantage Point Survey	VP3	01:00 starting at 09:10	Wind Speed and Direction:Gentle Breeze, NE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None	<b>Female Kestrel seen in flight</b>	TK
28/09/2018	Vantage Point Survey	VP3	01:00 starting at 10:40	Wind Speed and Direction:Gentle Breeze, NE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None		TK
28/09/2018	Vantage Point Survey	VP3	01:00 starting at 11:40	Wind Speed and Direction:Gentle Breeze, NE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None		TK
28/09/2018	Vantage Point Survey	VP3	01:00 starting at 12:40	Wind Speed and Direction:Gentle Breeze, NE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None		TK
20/10/2018	Vantage Point Survey	VP2a	01:00 starting at 13:05	Wind Speed and Direction:Fresh Breeze, S; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: Drizzle Mist; Frost: None ; Snow: None		TK



Date	Survey Method	VP	Survey Duration	Weather Conditions	Comments	Surveyor
20/10/2018	Vantage Point Survey	VP2a	01:00 starting at 14:05	Wind Speed and Direction:Fresh Breeze, S; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None		TK
20/10/2018	Vantage Point Survey	VP2a	01:00 starting at 15:05	Wind Speed and Direction:Fresh Breeze, S; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None	<b>Male Kestrel observed hunting.</b>	TK
20/10/2018	Vantage Point Survey	VP2a	01:00 starting at 16:35	Wind Speed and Direction:Fresh Breeze, S; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: Light Showers; Frost: None ; Snow: None		TK
20/10/2018	Vantage Point Survey	VP2a	01:00 starting at 17:35	Wind Speed and Direction:Fresh Breeze, S; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		TK
20/10/2018	Vantage Point Survey	VP2a	01:00 starting at 18:35	Wind Speed and Direction:Fresh Breeze, S; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		TK
22/10/2018	Vantage Point Survey	VP3a	01:00 starting at 12:45	Wind Speed and Direction:Moderate Breeze, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None	<b>Female Kestrel observed in flight being mobbed by hooded crow</b>	TK
22/10/2018	Vantage Point Survey	VP3a	01:00 starting at 13:45	Wind Speed and Direction:Moderate Breeze, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None		TK
22/10/2018	Vantage Point Survey	VP3a	01:00 starting at 14:45	Wind Speed and Direction:Moderate Breeze, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None		TK
22/10/2018	Vantage Point Survey	VP3a	01:00 starting at 16:15	Wind Speed and Direction:Moderate Breeze, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None		TK



Date	Survey Method	VP	Survey Duration	Weather Conditions	Comments	Surveyor
22/10/2018	Vantage Point Survey	VP3a	01:00 starting at 17:15	Wind Speed and Direction:Moderate Breeze, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None		TK
22/10/2018	Vantage Point Survey	VP3a	01:00 starting at 18:15	Wind Speed and Direction:Moderate Breeze, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None		TK
26/10/2018	Vantage Point Survey	VP1a	01:00 starting at 12:15	Wind Speed and Direction:Strong Breeze, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: Drizzle Mist; Frost: None ; Snow: None		TK
26/10/2018	Vantage Point Survey	VP1a	01:00 starting at 13:15	Wind Speed and Direction:Strong Breeze, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		TK
26/10/2018	Vantage Point Survey	VP1a	01:00 starting at 14:15	Wind Speed and Direction:Strong Breeze, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: Light Showers; Frost: None ; Snow: None		TK
26/10/2018	Vantage Point Survey	VP1a	01:00 starting at 15:45	Wind Speed and Direction:Strong Breeze, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		TK
26/10/2018	Vantage Point Survey	VP1a	01:00 starting at 16:45	Wind Speed and Direction:Strong Breeze, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: Light Showers; Frost: None ; Snow: None	<b>Male Kestrel observed hunting.</b>	TK
26/10/2018	Vantage Point Survey	VP1a	01:00 starting at 17:45	Wind Speed and Direction:Strong Breeze, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: Light Showers; Frost: None ; Snow: None		TK
12/11/2018	Vantage Point Survey	VP2a	03:00 starting at 08:00	Wind Speed and Direction:Moderate Breeze, SW; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: Heavy Showers; Frost: None ; Snow: None		JM





Date	Survey Method	VP	Survey Duration	Weather Conditions	Comments	Surveyor
12/11/2018	Vantage Point Survey	VP2a	03:00 starting at 11:30	Wind Speed and Direction: Moderate Breeze, SW; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: Heavy Showers; Frost: None ; Snow: None		JM
19/11/2018	Vantage Point Survey	VP3a	03:00 starting at 08:00	Wind Speed and Direction: Gentle Breeze, E; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: Light Showers; Frost: None ; Snow: None		JM
19/11/2018	Vantage Point Survey	VP3a	03:00 starting at 11:30	Wind Speed and Direction: Gentle Breeze, E; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: Light Showers; Frost: None ; Snow: None		JM
21/11/2018	Vantage Point Survey	VP1a	03:00 starting at 08:00	Wind Speed and Direction: Light Air, SE; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None		JM
21/11/2018	Vantage Point Survey	VP1a	03:00 starting at 11:30	Wind Speed and Direction: Light Air, SE; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None		JM
03/12/2018	Vantage Point Survey	VP3a	03:00 starting at 07:30	Wind Speed and Direction: Light Breeze, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JM
03/12/2018	Vantage Point Survey	VP3a	03:00 starting at 11:00	Wind Speed and Direction: Light Breeze, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JM
06/12/2018	Vantage Point Survey	VP2a	03:00 starting at 07:30	Wind Speed and Direction: Light Air, SW; Visibility: Moderate (1-2km); Cloud Height: 0; Cloud Cover %: 66-100 Rain: None; Frost: 0; Snow: 0		JM
06/12/2018	Vantage Point Survey	VP2a	03:00 starting at 11:00	Wind Speed and Direction: Light Air, SW; Visibility: Moderate (1-2km); Cloud Height: 0; Cloud Cover %: 66-100 Rain: None; Frost: 0; Snow: 0		JM



Date	Survey Method	VP	Survey Duration	Weather Conditions	Comments	Surveyor
09/12/2018	Vantage Point Survey	VP1a	03:00 starting at 07:30	Wind Speed and Direction:Gentle Breeze, W; Visibility: Limited (<500m); Cloud Height: <150m; Cloud Cover %: 66-100 Rain: Drizzle Mist; Frost: 0; Snow: 0		JM
09/12/2018	Vantage Point Survey	VP1a	03:00 starting at 11:00	Wind Speed and Direction:Moderate Breeze, W; Visibility: Limited (<500m); Cloud Height: <150m; Cloud Cover %: 66-100 Rain: Light Showers; Frost: 0; Snow: 0		JM
07/01/2019	Vantage Point Survey	VP3a	03:00 starting at 07:30	Wind Speed and Direction:Light Breeze, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JM
07/01/2019	Vantage Point Survey	VP3a	03:00 starting at 11:00	Wind Speed and Direction:Light Breeze, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JM
14/01/2019	Vantage Point Survey	VP2a	03:00 starting at 07:30	Wind Speed and Direction:Light Air, SW; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JM
14/01/2019	Vantage Point Survey	VP2a	03:00 starting at 11:00	Wind Speed and Direction:Light Air, SW; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JM
28/01/2019	Vantage Point Survey	VP1a	03:00 starting at 07:30	Wind Speed and Direction:Gentle Breeze, W; Visibility: Limited (<500m); Cloud Height: <150m; Cloud Cover %: 66-100 Rain: Drizzle Mist; Frost: None ; Snow: None		JM
28/01/2019	Vantage Point Survey	VP1a	03:00 starting at 11:00	Wind Speed and Direction:Moderate Breeze, W; Visibility: Limited (<500m); Cloud Height: <150m; Cloud Cover %: 66-100 Rain: Light Showers; Frost: None ; Snow: None		JM
09/02/2019	Vantage Point Survey	VP1	01:00 starting at 11:30	Wind Speed and Direction:Moderate Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		TK



Date	Survey Method	VP	Survey Duration	Weather Conditions	Comments	Surveyor
09/02/2019	Vantage Point Survey	VP1	01:00 starting at 12:30	Wind Speed and Direction:Moderate Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	<b>Female Kestrel observed hunting</b>	TK
09/02/2019	Vantage Point Survey	VP1	01:00 starting at 13:30	Wind Speed and Direction:Moderate Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	<b>Female Kestrel observed hunting</b>	TK
09/02/2019	Vantage Point Survey	VP1	01:00 starting at 15:10	Wind Speed and Direction:Moderate Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		TK
09/02/2019	Vantage Point Survey	VP1	01:00 starting at 16:10	Wind Speed and Direction:Moderate Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		TK
09/02/2019	Vantage Point Survey	VP1	01:00 starting at 17:10	Wind Speed and Direction:Gentle Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		TK
11/02/2019	Vantage Point Survey	VP2	01:00 starting at 11:30	Wind Speed and Direction:Moderate Breeze, S; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None		TK
11/02/2019	Vantage Point Survey	VP2	01:00 starting at 12:30	Wind Speed and Direction:Moderate Breeze, S; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None		TK
11/02/2019	Vantage Point Survey	VP2	01:00 starting at 13:30	Wind Speed and Direction:Moderate Breeze, S; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None	<b>White-Tailed Sea Eagle seen soaring over mountain summit.</b>	TK
11/02/2019	Vantage Point Survey	VP2	01:00 starting at 15:15	Wind Speed and Direction:Moderate Breeze, S; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None		TK



Date	Survey Method	VP	Survey Duration	Weather Conditions	Comments	Surveyor
11/02/2019	Vantage Point Survey	VP2	01:00 starting at 16:15	Wind Speed and Direction: Moderate Breeze, S; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None	Sparrowhawk seen soaring.	TK
11/02/2019	Vantage Point Survey	VP2	01:00 starting at 17:15	Wind Speed and Direction: Moderate Breeze, S; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None	Male Kestrel seen hunting	TK
16/02/2019	Vantage Point Survey	VP3	01:00 starting at 11:35	Wind Speed and Direction: Fresh Breeze, S; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		TK
16/02/2019	Vantage Point Survey	VP3	01:00 starting at 12:35	Wind Speed and Direction: Fresh Breeze, S; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		TK
16/02/2019	Vantage Point Survey	VP3	01:00 starting at 13:35	Wind Speed and Direction: Fresh Breeze, S; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	Buzzard seen in flight	TK
16/02/2019	Vantage Point Survey	VP3	01:00 starting at 15:20	Wind Speed and Direction: Fresh Breeze, S; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		TK
16/02/2019	Vantage Point Survey	VP3	01:00 starting at 16:20	Wind Speed and Direction: Fresh Breeze, S; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		TK
16/02/2019	Vantage Point Survey	VP3	01:00 starting at 17:20	Wind Speed and Direction: Fresh Breeze, S; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: Heavy Showers; Frost: None ; Snow: None		TK
07/03/2019	Vantage Point Survey	VP1	01:00 starting at 06:45	Wind Speed and Direction: Strong Breeze, W; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: Drizzle Mist; Frost: None ; Snow: None		TK



Date	Survey Method	VP	Survey Duration	Weather Conditions	Comments	Surveyor
07/03/2019	Vantage Point Survey	VP1	01:00 starting at 07:45	Wind Speed and Direction:Strong Breeze, W; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: Drizzle Mist; Frost: None ; Snow: None		TK
07/03/2019	Vantage Point Survey	VP1	01:00 starting at 08:45	Wind Speed and Direction:Strong Breeze, W; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		TK
07/03/2019	Vantage Point Survey	VP1	01:00 starting at 11:00	Wind Speed and Direction:Strong Breeze, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		TK
07/03/2019	Vantage Point Survey	VP1	01:00 starting at 12:00	Wind Speed and Direction:Strong Breeze, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		TK
07/03/2019	Vantage Point Survey	VP1	01:00 starting at 13:00	Wind Speed and Direction:Strong Breeze, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	Male Kestrel observed hunting	TK
18/03/2019	Vantage Point Survey	VP3	01:00 starting at 06:30	Wind Speed and Direction:Fresh Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None		TK
18/03/2019	Vantage Point Survey	VP3	01:00 starting at 07:30	Wind Speed and Direction:Fresh Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None		TK
18/03/2019	Vantage Point Survey	VP3	01:00 starting at 08:30	Wind Speed and Direction:Fresh Breeze, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None		TK
18/03/2019	Vantage Point Survey	VP3	01:00 starting at 10:25	Wind Speed and Direction:Fresh Breeze, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None		TK

Date	Survey Method	VP	Survey Duration	Weather Conditions	Comments	Surveyor
18/03/2019	Vantage Point Survey	VP3	01:00 starting at 11:25	Wind Speed and Direction: Fresh Breeze, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None	Sparrowhawk seen in flight	TK
18/03/2019	Vantage Point Survey	VP3	01:00 starting at 12:25	Wind Speed and Direction: Fresh Breeze, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None	Buzzard seen soaring	TK
23/03/2019	Vantage Point Survey	VP2	01:00 starting at 06:20	Wind Speed and Direction: Moderate Breeze, E; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None		TK
23/03/2019	Vantage Point Survey	VP2	01:00 starting at 07:20	Wind Speed and Direction: Moderate Breeze, E; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None		TK
23/03/2019	Vantage Point Survey	VP2	01:00 starting at 08:20	Wind Speed and Direction: Moderate Breeze, E; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None		TK
23/03/2019	Vantage Point Survey	VP2	01:00 starting at 10:00	Wind Speed and Direction: Moderate Breeze, E; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None		TK
23/03/2019	Vantage Point Survey	VP2	01:00 starting at 11:00	Wind Speed and Direction: Moderate Breeze, E; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None		TK
23/03/2019	Vantage Point Survey	VP2	01:00 starting at 12:00	Wind Speed and Direction: Moderate Breeze, E; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None		TK
06/04/2019	Vantage Point Survey	VP1	01:00 starting at 14:15	Wind Speed and Direction: Moderate Breeze, E; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	Female Kestrel observed in flight	TK



Date	Survey Method	VP	Survey Duration	Weather Conditions	Comments	Surveyor
06/04/2019	Vantage Point Survey	VP1	01:00 starting at 15:15	Wind Speed and Direction: Moderate Breeze, E; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	Buzzard observed soaring	TK
06/04/2019	Vantage Point Survey	VP1	01:00 starting at 16:15	Wind Speed and Direction: Moderate Breeze, E; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		TK
06/04/2019	Vantage Point Survey	VP1	01:00 starting at 17:45	Wind Speed and Direction: Moderate Breeze, E; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		TK
06/04/2019	Vantage Point Survey	VP1	01:00 starting at 18:45	Wind Speed and Direction: Moderate Breeze, E; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		TK
06/04/2019	Vantage Point Survey	VP1	01:00 starting at 19:45	Wind Speed and Direction: Moderate Breeze, E; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		TK
09/04/2019	Vantage Point Survey	VP3	01:00 starting at 14:15	Wind Speed and Direction: Moderate Breeze, E; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: Heavy Showers; Frost: None ; Snow: None		TK
09/04/2019	Vantage Point Survey	VP3	01:00 starting at 15:15	Wind Speed and Direction: Moderate Breeze, E; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	Male Kestrel observed hunting	TK
09/04/2019	Vantage Point Survey	VP3	01:00 starting at 16:15	Wind Speed and Direction: Moderate Breeze, E; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	Male Kestrel observed hunting	TK
09/04/2019	Vantage Point Survey	VP3	01:00 starting at 17:45	Wind Speed and Direction: Moderate Breeze, E; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		TK



Date	Survey Method	VP	Survey Duration	Weather Conditions	Comments	Surveyor
09/04/2019	Vantage Point Survey	VP3	01:00 starting at 18:45	Wind Speed and Direction: Moderate Breeze, E; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		TK
09/04/2019	Vantage Point Survey	VP3	01:00 starting at 19:45	Wind Speed and Direction: Moderate Breeze, E; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	Sparrowhawk observed in flight	TK
30/04/2019	Vantage Point Survey	VP2	01:00 starting at 14:40	Wind Speed and Direction: Moderate Breeze, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None		TK
30/04/2019	Vantage Point Survey	VP2	01:00 starting at 15:40	Wind Speed and Direction: Moderate Breeze, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None		TK
30/04/2019	Vantage Point Survey	VP2	01:00 starting at 16:40	Wind Speed and Direction: Moderate Breeze, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None	Male Kestrel seen hunting	TK
30/04/2019	Vantage Point Survey	VP2	01:00 starting at 18:15	Wind Speed and Direction: Moderate Breeze, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None		TK
30/04/2019	Vantage Point Survey	VP2	01:00 starting at 19:15	Wind Speed and Direction: Moderate Breeze, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None		TK
30/04/2019	Vantage Point Survey	VP2	01:00 starting at 20:15	Wind Speed and Direction: Moderate Breeze, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None	Male Kestrel seen hunting	TK
14/05/2019	Vantage Point Survey	VP3	06:30 starting at 04:30	Wind Speed and Direction: Fresh Breeze, SE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None		JK





Date	Survey Method	VP	Survey Duration	Weather Conditions	Comments	Surveyor
15/05/2019	Vantage Point Survey	VP2	06:30 starting at 04:30	Wind Speed and Direction: Fresh Breeze, SE; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None		JK
17/05/2019	Vantage Point Survey	VP1	06:30 starting at 04:30	Wind Speed and Direction: Fresh Breeze, E; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: Light Showers; Frost: None ; Snow: None		JK
11/06/2019	Vantage Point Survey	VP3	06:30 starting at 11:45	Wind Speed and Direction: Strong Breeze, N; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None		JK
12/06/2019	Vantage Point Survey	VP2	06:30 starting at 10:15	Wind Speed and Direction: Strong Breeze, N; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JK
13/06/2019	Vantage Point Survey	VP1	06:30 starting at 10:00	Wind Speed and Direction: Strong Breeze, NW; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: Heavy Showers; Frost: None ; Snow: None	No Targets Recorded.	JK
03/07/2019	Vantage Point Survey	VP2	06:30 starting at 10:00	Wind Speed and Direction: Moderate Breeze, NE; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None	No Targets Recorded.	JK
05/07/2019	Vantage Point Survey	VP3	06:30 starting at 09:15	Wind Speed and Direction: Moderate Breeze, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None		JK
25/07/2019	Vantage Point Survey	VP1	06:30 starting at 10:00	Wind Speed and Direction: Strong Breeze, S; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: Heavy Showers; Frost: None ; Snow: None	No Targets Recorded.	JK
19/08/2019	Vantage Point Survey	VP3	03:00 starting at 14:30	Wind Speed and Direction: Moderate Breeze, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JM



Date	Survey Method	VP	Survey Duration	Weather Conditions	Comments	Surveyor
19/08/2019	Vantage Point Survey	VP3	03:00 starting at 18:00	Wind Speed and Direction: Moderate Breeze, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JM
20/08/2019	Vantage Point Survey	VP2	03:00 starting at 14:30	Wind Speed and Direction: Gentle Breeze, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66 Rain: Heavy Showers; Frost: None ; Snow: None		JM
20/08/2019	Vantage Point Survey	VP2	03:00 starting at 18:00	Wind Speed and Direction: Gentle Breeze, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None		JM
23/08/2019	Vantage Point Survey	VP1	03:00 starting at 14:00	Wind Speed and Direction: Moderate Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JM
23/08/2019	Vantage Point Survey	VP1	03:00 starting at 17:30	Wind Speed and Direction: Moderate Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JM
24/09/2019	Vantage Point Survey	VP2	03:00 starting at 06:30	Wind Speed and Direction: Light Air, SW; Visibility: Poor (<km); Cloud Height: 150-500m; Cloud Cover %: 100 Rain: Drizzle Mist; Frost: None ; Snow: None	no targets	CMc
24/09/2019	Vantage Point Survey	VP2	03:00 starting at 11:10	Wind Speed and Direction: Light Air, SW; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 100 Rain: Light Showers; Frost: None ; Snow: None	Heavy rain in the final hour	CMc
25/09/2019	Vantage Point Survey	VP1	03:00 starting at 06:30	Wind Speed and Direction: Calm, SW; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 100 Rain: Light Showers; Frost: None ; Snow: None	no targets	CMc
25/09/2019	Vantage Point Survey	VP1	03:00 starting at 15:05	Wind Speed and Direction: Calm, SW; Visibility: Limited (<500m); Cloud Height: 150-500m; Cloud Cover %: 100 Rain: Heavy Rain; Frost: None ; Snow: None	no targets	CMc



Date	Survey Method	VP	Survey Duration	Weather Conditions	Comments	Surveyor
25/09/2019	Vantage Point Survey	VP3	03:00 starting at 11:50	Wind Speed and Direction:Light Air, SW; Visibility: Limited (<500m); Cloud Height: 150-500m; Cloud Cover %: 100 Rain: Drizzle Mist; Frost: None ; Snow: None	no targets	CMc
26/09/2019	Vantage Point Survey	VP3	03:00 starting at 06:30	Wind Speed and Direction:Calm, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 90-100 Rain: None; Frost: None ; Snow: None	Light shower in the first hour	CMc
16/10/2019	Vantage Point Survey	VP2	06:30 starting at 13:15	Wind Speed and Direction:Strong Breeze, SW; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 33-66 Rain: Light Showers; Frost: None ; Snow: None		JK
21/10/2019	Vantage Point Survey	VP1	06:30 starting at 13:00	Wind Speed and Direction:Moderate Breeze, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None		JK
22/10/2019	Vantage Point Survey	VP3	06:30 starting at 13:00	Wind Speed and Direction:Strong Breeze, SW; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: Light Showers; Frost: None ; Snow: None		JK
26/11/2019	Vantage Point Survey	VP1	06:30 starting at 07:15	Wind Speed and Direction:Strong Breeze, NW; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: Heavy Showers; Frost: None ; Snow: None		JK
27/11/2019	Vantage Point Survey	VP2	06:30 starting at 07:15	Wind Speed and Direction:Fresh Breeze, W; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: Light Showers; Frost: None ; Snow: None		JK
28/11/2019	Vantage Point Survey	VP3	06:30 starting at 07:15	Wind Speed and Direction:Fresh Breeze, N; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None		JK
16/12/2019	Vantage Point Survey	VP3	06:30 starting at 10:45	Wind Speed and Direction:Fresh Breeze, NE; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 0-33 Rain: None; Frost: On site; Snow: None		JK



Date	Survey Method	VP	Survey Duration	Weather Conditions	Comments	Surveyor
17/12/2019	Vantage Point Survey	VP2	06:30 starting at 10:50	Wind Speed and Direction:Moderate Breeze, NE; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None		JK
19/12/2019	VP	VP1	06:30 starting at 10:45	Wind Speed and Direction:Strong Breeze, SE; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: Heavy Showers; Frost: None ; Snow: None		JK
28/01/2020	VP	2	06:40 starting at 07:25	Wind Speed and Direction:Fresh Breeze, W; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: Heavy Showers; Frost: None ; Snow: Ground		JK
29/01/2020	VP	1	06:30 starting at 07:20	Wind Speed and Direction:Moderate Breeze, SW; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: Light Showers; Frost: None ; Snow: None		JK
30/01/2020	VP	3	06:30 starting at 07:20	Wind Speed and Direction:Fresh Breeze, SW; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: Light Showers; Frost: None ; Snow: None		JK
17/02/2020	VP	2	06:30 starting at 12:15	Wind Speed and Direction:Strong Breeze, W; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None		JK
20/02/2020	VP	3	06:30 starting at 12:15	Wind Speed and Direction:Strong Breeze, W; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: Heavy Showers; Frost: None ; Snow: None		JK
25/02/2020	Vantage Point Survey	1	06:30 starting at 12:30	Wind Speed and Direction:Strong Breeze, NW; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	No Targets	JK
26/03/2020	Vantage Point Survey	VP2	03:00 starting at 07:05	Wind Speed and Direction:Light Air, NE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None	Sparrowhawk and Mallard, Map1	MOC



Date	Survey Method	VP	Survey Duration	Weather Conditions	Comments	Surveyor
26/03/2020	Vantage Point Survey	VP1	03:00 starting at 11:10	Wind Speed and Direction:Calm, NE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None	No target species	MOC
27/03/2020	Vantage Point Survey	VP3	03:00 starting at 06:40	Wind Speed and Direction:Light Breeze, N; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None	No target species	MOC
27/03/2020	Vantage Point Survey	VP2	03:00 starting at 10:30	Wind Speed and Direction:Light Breeze, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None	No target species	MOC

Table 2 Breeding Bird Survey Effort

Date	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
Breeding Walkover Survey	Breeding Walkover Survey	South	05:00 starting at 15:00	Wind Speed and Direction:Light Air, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 20 Rain: None; Frost: None ; Snow: None		JM
Breeding Walkover Survey	Breeding Walkover Survey		02:30 starting at 08:00	Wind Speed and Direction:Moderate Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66 Rain: Drizzle Mist; Frost: None ; Snow: None	Chough heard calling flying over not seen W101640	CB
Breeding Walkover Survey	Breeding Walkover Survey		00:50 starting at 08:00	Wind Speed and Direction:Gentle Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66 Rain: Heavy Showers; Frost: None ; Snow: None		CB
Breeding Walkover Survey	Breeding Walkover Survey		05:00 starting at 12:00	Wind Speed and Direction:Light Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None		CB
Breeding Walkover Survey	Breeding Walkover Survey		10:00 starting at 08:00	Wind Speed and Direction:Light Breeze, SW; Visibility: Poor (<km); Cloud Height: <150m; Cloud Cover %: 66-100 Rain: Drizzle Mist; Frost: None ; Snow: None		CB
Breeding Walkover Survey	Breeding Walkover Survey		00:19 starting at 07:30	Wind Speed and Direction:Light Air, NE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None		CB
Breeding Walkover Survey	Breeding Walkover Survey		03:45 starting at 14:00	Wind Speed and Direction:Light Air, SW; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: Drizzle Mist; Frost: None ; Snow: None		CB
Breeding Walkover Survey	Breeding Walkover Survey		06:00 starting at 08:00	Wind Speed and Direction:Light Air, SW; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: Drizzle Mist; Frost: None ; Snow: None		CB



Date	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
Breeding Walkover Survey	Breeding Walkover Survey		00:55 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		CB
Breeding Walkover Survey	Breeding Walkover Survey		00:30 starting at 08:00	Wind Speed and Direction:Light Air, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None		CB
Breeding Walkover Survey	Breeding Walkover Survey		00:30 starting at 14:15	Wind Speed and Direction:Light Air, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33 Rain: None; Frost: None ; Snow: None		CB
Breeding Walkover Survey	Breeding Walkover Survey		03:00 starting at 07:30	Wind Speed and Direction:Moderate Breeze, w; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33 Rain: None; Frost: None ; Snow: None		CB
Breeding Walkover Survey	Breeding Walkover Survey		05:00 starting at 07:30	Wind Speed and Direction:Moderate Breeze, w; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None		CB
Breeding Walkover Survey	Breeding Walkover Survey		04:20 starting at 12:30	Wind Speed and Direction:Gentle Breeze, w; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 3 Rain: None; Frost: None ; Snow: None		CB
Breeding Walkover Survey	Breeding Walkover Survey	Transect 1,2	00:45 starting at 10:00	Wind Speed and Direction:Gentle Breeze, E; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None		TK
Breeding Walkover Survey	Breeding Walkover Survey	Transect 3,4	00:50 starting at 10:45	Wind Speed and Direction:Gentle Breeze, E; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None		TK

Date	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
Breeding Walkover Survey	Breeding Walkover Survey	Transect 5,6	00:55 starting at 12:15	Wind Speed and Direction:Gentle Breeze, E; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None		TK
Breeding Walkover Survey	Breeding Walkover Survey	Transect 7,8	01:00 starting at 13:40	Wind Speed and Direction:Gentle Breeze, E; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None		TK
Breeding Walkover Survey	Breeding Walkover Survey	Transect 9,10	00:55 starting at 14:40	Wind Speed and Direction:Gentle Breeze, E; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None		TK
Breeding Walkover Survey	Breeding Walkover Survey	Transect 11,12	00:50 starting at 10:15	Wind Speed and Direction:Gentle Breeze, S; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None		TK
Breeding Walkover Survey	Breeding Walkover Survey	Transect 13,14	00:50 starting at 11:05	Wind Speed and Direction:Gentle Breeze, S; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None		TK
Breeding Walkover Survey	Breeding Walkover Survey		06:30 starting at 09:30	Wind Speed and Direction:Strong Breeze, NE; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: Light Showers; Frost: None ; Snow: None	No targets Recorded	JK
Breeding Walkover Survey	Breeding Walkover Survey		06:30 starting at 10:00	Wind Speed and Direction:Strong Breeze, SE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None		JK
Breeding Walkover Survey	Breeding Walkover Survey		06:30 starting at 08:00	Wind Speed and Direction:Strong Breeze, E; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: Heavy Showers; Frost: None ; Snow: None		JK
Breeding Walkover Survey	Breeding Walkover Survey		06:15 starting at 14:00	Wind Speed and Direction:Strong Breeze, SW; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None		JK





Date	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
Breeding Walkover Survey	Breeding Walkover Survey	Northern Area	06:30 starting at 10:15	Wind Speed and Direction: Moderate Breeze, N; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None		JK
Breeding Walkover Survey	Breeding Walkover Survey	southern Area	06:30 starting at 12:30	Wind Speed and Direction: Strong Breeze, S; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: Heavy Showers; Frost: None ; Snow: None	No Targets Recorded.	JK

Table 3 Breeding Raptor Survey Effort

Date	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
25/04/2018	Breeding Raptor Survey	1	02:00 starting at 10:26	Wind Speed and Direction:Strong Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66 Rain: Heavy Showers; Frost: None ; Snow: None		CB
25/04/2018	Breeding Raptor Survey	2	02:00 starting at 14:41	Wind Speed and Direction:Strong Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66 Rain: Heavy Showers; Frost: None ; Snow: None		CB
25/04/2018	Breeding Raptor Survey	3	02:00 starting at 17:14	Wind Speed and Direction:Strong Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66 Rain: Heavy Showers; Frost: None ; Snow: None		CB
26/04/2018	Breeding Raptor Survey	4	02:30 starting at 08:49	Wind Speed and Direction:Moderate Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66 Rain: Light Showers; Frost: None ; Snow: None		CB
16/05/2018	Breeding Raptor Survey	4	02:30 starting at 07:49	Wind Speed and Direction:Light Breeze, NE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None		CB
16/05/2018	Breeding Raptor Survey	3	02:00 starting at 10:57	Wind Speed and Direction:Gentle Breeze, NE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None		CB
16/05/2018	Breeding Raptor Survey	1	02:00 starting at 13:42	Wind Speed and Direction:Fresh Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None		CB
16/05/2018	Breeding Raptor Survey	2	02:00 starting at 16:14	Wind Speed and Direction:Light Breeze, NE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None		CB



Date	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
27/06/2018	Breeding Raptor Survey	4	02:30 starting at 09:55	Wind Speed and Direction:Gentle Breeze, NE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None		CB
27/06/2018	Breeding Raptor Survey	3	02:00 starting at 12:55	Wind Speed and Direction:Gentle Breeze, NE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None		CB
27/06/2018	Breeding Raptor Survey	2	02:00 starting at 15:25	Wind Speed and Direction:Gentle Breeze, NE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None		CB
27/06/2018	Breeding Raptor Survey	1	02:00 starting at 18:45	Wind Speed and Direction:Moderate Breeze, E; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None		CB
19/07/2018	Breeding Raptor Survey	4	02:30 starting at 08:28	Wind Speed and Direction:Calm, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None		CB
19/07/2018	Breeding Raptor Survey	3	02:00 starting at 11:28	Wind Speed and Direction:Calm, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None		CB
19/07/2018	Breeding Raptor Survey	1	02:00 starting at 14:45	Wind Speed and Direction:Light Air, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33 Rain: None; Frost: None ; Snow: None		CB
21/07/2018	Breeding Raptor Survey	2	02:00 starting at 10:38	Wind Speed and Direction:Gentle Breeze, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33 Rain: None; Frost: None ; Snow: None		CB



Date	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
10/04/2019	Breeding Raptor Survey	RVP 4	01:30 starting at 10:35	Wind Speed and Direction: Moderate Breeze, SE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None		TK
10/04/2019	Breeding Raptor Survey	RVP 1	01:30 starting at 12:45	Wind Speed and Direction: Moderate Breeze, SE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None		TK
10/04/2019	Breeding Raptor Survey	RVP 3	01:30 starting at 15:05	Wind Speed and Direction: Moderate Breeze, SE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None		TK
10/04/2019	Breeding Raptor Survey	RVP 2	01:30 starting at 16:50	Wind Speed and Direction: Moderate Breeze, SE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None		TK
28/04/2019	Breeding Raptor Survey	RVP 2	01:30 starting at 09:30	Wind Speed and Direction: Moderate Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None		TK
28/04/2019	Breeding Raptor Survey	RVP 3	01:30 starting at 11:20	Wind Speed and Direction: Moderate Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None		TK
28/04/2019	Breeding Raptor Survey	RVP 1	01:30 starting at 13:50	Wind Speed and Direction: Moderate Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None		TK



Date	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
28/04/2019	Breeding Raptor Survey	RVP 4	01:30 starting at 15:55	Wind Speed and Direction: Moderate Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None		TK
03/05/2019	Breeding Raptor Survey		06:30 starting at 09:30	Wind Speed and Direction: Fresh Breeze, N; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None		JK
28/05/2019	Breeding Raptor Survey		06:30 starting at 13:00	Wind Speed and Direction: Fresh Breeze, W; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 33-66 Rain: Light Showers; Frost: None ; Snow: None		JK
05/06/2019	Breeding Raptor Survey		06:30 starting at 09:30	Wind Speed and Direction: Strong Breeze, NW; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 33-66 Rain: Light Showers; Frost: None ; Snow: None		JK
18/06/2019	Breeding Raptor Survey		06:30 starting at 13:30	Wind Speed and Direction: Fresh Breeze, SW; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None		JK
02/07/2019	Breeding Raptor Survey		06:30 starting at 14:00	Wind Speed and Direction: Strong Breeze, NW; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None		JK
26/07/2019	Breeding Raptor Survey		06:30 starting at 08:45	Wind Speed and Direction: Moderate Breeze, SW; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: Heavy Showers; Frost: None ; Snow: None		JK

Table 4 Breeding Woodcock Survey Effort

Date	Survey Method	Area	Survey Duration	Weather Conditions	Comments	Surveyor
01/06/2018	Breeding Woodcock Survey		01:00 starting at 20:51	Wind Speed and Direction:Light Air, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		Ciaran Cronin
01/06/2018	Breeding Woodcock Survey		01:00 starting at 21:51	Wind Speed and Direction:Light Air, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		Ciaran Cronin
01/06/2018	Breeding Woodcock Survey		00:29 starting at 22:51	Wind Speed and Direction:Light Air, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		Ciaran Cronin
27/06/2018	Breeding Woodcock Survey		02:15 starting at 21:00	Wind Speed and Direction:Calm, ; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None	No wk	CB
28/05/2019	Breeding Woodcock Survey		02:30 starting at 20:00	Wind Speed and Direction:Fresh Breeze, NW; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: Heavy Rain; Frost: None ; Snow: None	NO WK recorded, may be due to the on set of rain during survey.	JK
18/06/2019	Breeding Woodcock Survey		02:00 starting at 20:30	Wind Speed and Direction:Fresh Breeze, SW; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None	No WK recorded	JK
20/06/2019	Breeding Woodcock Survey		02:15 starting at 20:30	Wind Speed and Direction:Strong Breeze, SW; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None	No WK recorded	JK

Table 5 Red Grouse Survey Effort

Date	Survey Method	Transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
20/03/2019	Red Grouse Survey	1	01:26 starting at 08:00	Wind Speed and Direction:Calm, w; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 3 Rain: None; Frost: None ; Snow: None		JC
20/03/2019	Red Grouse Survey	2	04:01 starting at 10:33	Wind Speed and Direction:Calm, w; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 3 Rain: None; Frost: None ; Snow: None		JC
20/03/2019	Red Grouse Survey	3	03:22 starting at 15:04	Wind Speed and Direction:Gentle Breeze, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 3 Rain: None; Frost: None ; Snow: None		JC
21/03/2019	Red Grouse Survey	4	02:21 starting at 10:05	Wind Speed and Direction:Light Breeze, NNW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 3 Rain: None; Frost: None ; Snow: None		JC
23/03/2020	Red Grouse Survey	T1	01:00 starting at 10:05	Wind Speed and Direction:Light Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 2 Rain: None; Frost: None ; Snow: None		JC
23/03/2020	Red Grouse Survey	T1	01:16 starting at 11:05	Wind Speed and Direction:Light Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 2 Rain: None; Frost: None ; Snow: None		JC
23/03/2020	Red Grouse Survey	T2	01:00 starting at 12:30	Wind Speed and Direction:Gentle Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 3 Rain: None; Frost: None ; Snow: None		JC
23/03/2020	Red Grouse Survey	T2	01:00 starting at 13:30	Wind Speed and Direction:Moderate Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 3 Rain: None; Frost: None ; Snow: None		JC



Date	Survey Method	Transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
23/03/2020	Red Grouse Survey	T2	01:00 starting at 14:30	Wind Speed and Direction:Gentle Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 3 Rain: None; Frost: None ; Snow: None		JC
23/03/2020	Red Grouse Survey	T2	01:00 starting at 15:30	Wind Speed and Direction:Gentle Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 3 Rain: None; Frost: None ; Snow: None		JC
23/03/2020	Red Grouse Survey	T2	01:00 starting at 16:30	Wind Speed and Direction:Light Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 3 Rain: None; Frost: None ; Snow: None		JC
23/03/2020	Red Grouse Survey	T4 a	00:45 starting at 18:15	Wind Speed and Direction:Light Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 3 Rain: None; Frost: None ; Snow: None	Surveyed southern section of bog on T4	JC
24/03/2020	Red Grouse Survey	T3	01:00 starting at 09:40	Wind Speed and Direction:Gentle Breeze, SW; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 3 Rain: None; Frost: None ; Snow: None		JC
24/03/2020	Red Grouse Survey	T3	01:00 starting at 10:40	Wind Speed and Direction:Moderate Breeze, SW; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 3 Rain: None; Frost: None ; Snow: None		JC
24/03/2020	Red Grouse Survey	T3	00:20 starting at 11:40	Wind Speed and Direction:Moderate Breeze, SW; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 3 Rain: None; Frost: None ; Snow: None		JC
24/03/2020	Red Grouse Survey	T3	01:00 starting at 12:15	Wind Speed and Direction:Moderate Breeze, SW; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 3 Rain: None; Frost: None ; Snow: None		JC





Date	Survey Method	Transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
24/03/2020	Red Grouse Survey	T3	01:00 starting at 13:15	Wind Speed and Direction: Moderate Breeze, SW; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 3 Rain: None; Frost: None ; Snow: None		JC
24/03/2020	Red Grouse Survey	T4	01:00 starting at 14:15	Wind Speed and Direction: Gentle Breeze, SW; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 3 Rain: None; Frost: None ; Snow: None	Comments	JC

Table 6 Hen Harrier Roost Survey Effort

Date	Survey Method	HHVP	Survey Duration	Weather Conditions	Comments	Surveyor
15/10/2018	Hen Harrier Roost Survey	HHVP 1 09256 62361	01:00 starting at 16:35	Wind Speed and Direction: Moderate Breeze, S; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	No Hen Harriers seen	TK
15/10/2018	Hen Harrier Roost Survey	HHVP 1 09256 62361	01:00 starting at 17:35	Wind Speed and Direction: Moderate Breeze, S; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	No Hen Harriers seen	TK
15/10/2018	Hen Harrier Roost Survey	HHVP 1 09256 62361	01:00 starting at 18:35	Wind Speed and Direction: Moderate Breeze, S; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	No Hen Harriers seen	TK
19/10/2018	Hen Harrier Roost Survey	HHVP 4 10133 60873	01:00 starting at 16:30	Wind Speed and Direction: Fresh Breeze, S; Visibility: Good (>2km); Cloud Height: ; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None	No Hen Harriers seen	TK
19/10/2018	Hen Harrier Roost Survey	HHVP 4 10133 60873	01:00 starting at 17:30	Wind Speed and Direction: Fresh Breeze, S; Visibility: Good (>2km); Cloud Height: ; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None	No Hen Harriers seen	TK
19/10/2018	Hen Harrier Roost Survey	HHVP 4 10133 60873	01:00 starting at 18:30	Wind Speed and Direction: Fresh Breeze, S; Visibility: Good (>2km); Cloud Height: ; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None	No Hen Harriers seen	TK
30/10/2018	Hen Harrier Roost Survey	HHVP 2 07332 60633	01:00 starting at 15:10	Wind Speed and Direction: Gentle Breeze, E; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: Drizzle Mist; Frost: None ; Snow: None	No Hen Harriers seen	TK
30/10/2018	Hen Harrier Roost Survey	HHVP 2 07332 60633	01:00 starting at 16:10	Wind Speed and Direction: Gentle Breeze, E; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	No Hen Harriers seen	TK

Date	Survey Method	HHVP	Survey Duration	Weather Conditions	Comments	Surveyor
30/10/2018	Hen Harrier Roost Survey	HHVP 2 07332 60633	01:00 starting at 17:10	Wind Speed and Direction:Gentle Breeze, E; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	No Hen Harriers seen	TK
31/10/2018	Hen Harrier Roost Survey	HHVP 3 09028 62528	01:00 starting at 15:10	Wind Speed and Direction:Gentle Breeze, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: Light Showers; Frost: None ; Snow: None	No Hen Harriers seen	TK
31/10/2018	Hen Harrier Roost Survey	HHVP 3 09028 62528	01:00 starting at 16:10	Wind Speed and Direction:Gentle Breeze, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	No Hen Harriers seen	TK
31/10/2018	Hen Harrier Roost Survey	HHVP 3 09028 62528	01:00 starting at 17:10	Wind Speed and Direction:Gentle Breeze, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	No Hen Harriers seen	TK
12/11/2018	Hen Harrier Roost Survey	4	02:10 starting at 14:50	Wind Speed and Direction:Moderate Breeze, SW; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: Light Showers; Frost: None ; Snow: None		JM
19/11/2018	Hen Harrier Roost Survey	3	02:00 starting at 14:50	Wind Speed and Direction:Gentle Breeze, E; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: Light Showers; Frost: None ; Snow: None		JM
21/11/2018	Hen Harrier Roost Survey	1	02:00 starting at 14:50	Wind Speed and Direction:Light Air, SE; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None		JM
26/11/2018	Hen Harrier Roost Survey	2	02:10 starting at 14:30	Wind Speed and Direction:Light Breeze, SE; Visibility: Limited (<500m); Cloud Height: <150m; Cloud Cover %: 66-100 Rain: Drizzle Mist; Frost: None ; Snow: None		JM
03/12/2018	Hen Harrier Roost Survey	2	02:05 starting at 14:40	Wind Speed and Direction:Light Breeze, NW; Visibility: Poor (<km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JM



Date	Survey Method	HHVP	Survey Duration	Weather Conditions	Comments	Surveyor
06/12/2018	Hen Harrier Roost Survey	4	02:20 starting at 14:30	Wind Speed and Direction:Light Air, SW; Visibility: Poor (<km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JM
09/12/2018	Hen Harrier Roost Survey	1	02:20 starting at 14:30	Wind Speed and Direction:Fresh Breeze, W; Visibility: Limited (<500m); Cloud Height: <150m; Cloud Cover %: 66-100 Rain: Drizzle Mist; Frost: None ; Snow: None		JM
10/12/2018	Hen Harrier Roost Survey	3	02:20 starting at 14:30	Wind Speed and Direction:Light Air, SW; Visibility: Poor (<km); Cloud Height: <150m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JM
07/01/2019	Hen Harrier Roost Survey	3	02:05 starting at 14:40	Wind Speed and Direction:Light Breeze, NW; Visibility: Poor (<km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	No raptors seen	JM
14/01/2019	Hen Harrier Roost Survey	4	02:20 starting at 14:30	Wind Speed and Direction:Light Air, SW; Visibility: Poor (<km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	No raptors seen	JM
21/01/2019	Hen Harrier Roost Survey	2	02:20 starting at 14:30	Wind Speed and Direction:Light Air, SW; Visibility: Poor (<km); Cloud Height: <150m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	No raptors seen	JM
28/01/2019	Hen Harrier Roost Survey	1	02:20 starting at 14:30	Wind Speed and Direction:Fresh Breeze, W; Visibility: Limited (<500m); Cloud Height: <150m; Cloud Cover %: 66-100 Rain: Drizzle Mist; Frost: None ; Snow: None	No raptors seen	JM
05/02/2019	Hen Harrier Roost Survey	HHVP 3	01:00 starting at 15:00	Wind Speed and Direction:Fresh Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: Light Showers; Frost: None ; Snow: None		TK
05/02/2019	Hen Harrier Roost Survey	HHVP 3	01:00 starting at 16:00	Wind Speed and Direction:Fresh Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		TK



Date	Survey Method	HHVP	Survey Duration	Weather Conditions	Comments	Surveyor
05/02/2019	Hen Harrier Roost Survey	HHVP 3	01:00 starting at 17:00	Wind Speed and Direction:Fresh Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		TK
09/02/2019	Hen Harrier Roost Survey	HHVP 1	01:00 starting at 07:35	Wind Speed and Direction:Fresh Breeze, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		TK
09/02/2019	Hen Harrier Roost Survey	HHVP 1	01:00 starting at 08:35	Wind Speed and Direction:Fresh Breeze, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		TK
09/02/2019	Hen Harrier Roost Survey	HHVP 1	01:00 starting at 09:35	Wind Speed and Direction:Fresh Breeze, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	no HH	TK
11/02/2019	Hen Harrier Roost Survey	HHVP 4	01:00 starting at 07:30	Wind Speed and Direction:Gentle Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None	n HH	TK
11/02/2019	Hen Harrier Roost Survey	HHVP 4	01:00 starting at 08:30	Wind Speed and Direction:Gentle Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None	n HH	TK
11/02/2019	Hen Harrier Roost Survey	HHVP 4	01:00 starting at 09:30	Wind Speed and Direction:Gentle Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None	no HH	TK
17/02/2019	Hen Harrier Roost Survey	HHVP 2	01:00 starting at 15:15	Wind Speed and Direction:Fresh Breeze, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	no HH	TK
17/02/2019	Hen Harrier Roost Survey	HHVP 2	01:00 starting at 16:15	Wind Speed and Direction:Fresh Breeze, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	no HH	TK



Date	Survey Method	HHVP	Survey Duration	Weather Conditions	Comments	Surveyor
17/02/2019	Hen Harrier Roost Survey	HHVP 2	01:05 starting at 17:15	Wind Speed and Direction:Fresh Breeze, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	no HH	TK
07/03/2019	Hen Harrier Roost Survey	HHVP 3	01:00 starting at 16:05	Wind Speed and Direction:Fresh Breeze, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	No HH	TK
07/03/2019	Hen Harrier Roost Survey	HHVP 3	01:00 starting at 17:05	Wind Speed and Direction:Fresh Breeze, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	No HH	TK
07/03/2019	Hen Harrier Roost Survey	HHVP 3	01:00 starting at 18:05	Wind Speed and Direction:Fresh Breeze, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	No HH	TK
18/03/2019	Hen Harrier Roost Survey	HHVP 2	01:00 starting at 16:15	Wind Speed and Direction:Moderate Breeze, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None	No HH	TK
18/03/2019	Hen Harrier Roost Survey	HHVP 2	01:00 starting at 17:15	Wind Speed and Direction:Moderate Breeze, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None	No HH	TK
18/03/2019	Hen Harrier Roost Survey	HHVP 2	01:00 starting at 18:15	Wind Speed and Direction:Moderate Breeze, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None	No HH	TK
23/03/2019	Hen Harrier Roost Survey	HHVP 1	01:00 starting at 16:20	Wind Speed and Direction:Moderate Breeze, S; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None	No HH	TK
23/03/2019	Hen Harrier Roost Survey	HHVP 1	01:00 starting at 17:20	Wind Speed and Direction:Moderate Breeze, S; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None	No HH	TK

Date	Survey Method	HHVP	Survey Duration	Weather Conditions	Comments	Surveyor
23/03/2019	Hen Harrier Roost Survey	HHVP 1	01:00 starting at 18:20	Wind Speed and Direction: Moderate Breeze, S; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None	No HH	TK
25/03/2019	Hen Harrier Roost Survey	HHVP 4	01:00 starting at 16:20	Wind Speed and Direction: Moderate Breeze, w; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None	No HH	TK
25/03/2019	Hen Harrier Roost Survey	HHVP 4	01:00 starting at 17:20	Wind Speed and Direction: Moderate Breeze, w; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None	No HH	TK
25/03/2019	Hen Harrier Roost Survey	HHVP 4	01:00 starting at 18:20	Wind Speed and Direction: Moderate Breeze, w; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None	No HH	TK
07/10/2019	Hen Harrier Roost Survey	2	02:05 starting at 17:00	Wind Speed and Direction: Strong Breeze, SW; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 33-66 Rain: Light Showers; Frost: None ; Snow: None	No HH were recorded on site	JK
29/10/2019	Hen Harrier Roost Survey	3	02:45 starting at 15:30	Wind Speed and Direction: Strong Breeze, E; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 66-00 Rain: None; Frost: None ; Snow: None	No HH were recorded on site	JK
30/10/2019	Hen Harrier Roost Survey	1	03:00 starting at 15:15	Wind Speed and Direction: Strong Breeze, E; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	No HH were recorded on site	JK
31/10/2019	Hen Harrier Roost Survey	4	03:00 starting at 15:15	Wind Speed and Direction: Fresh Breeze, SE; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: Light Showers; Frost: None ; Snow: None	No HH were recorded on site	JK
18/11/2019	Hen Harrier Roost Survey	1	03:00 starting at 14:30	Wind Speed and Direction: Fresh Breeze, SE; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None	No HH Recorded	JK



Date	Survey Method	HHVP	Survey Duration	Weather Conditions	Comments	Surveyor
25/11/2019	Hen Harrier Roost Survey	4	03:00 starting at 14:30	Wind Speed and Direction: Fresh Breeze, SW; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: Light Showers; Frost: None ; Snow: None	No HH Recorded	JK
26/11/2019	Hen Harrier Roost Survey	2	03:00 starting at 14:35	Wind Speed and Direction: Strong Breeze, NW; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: Light Showers; Frost: None ; Snow: None	No HH Recorded	JK
27/11/2019	Hen Harrier Roost Survey	3	03:00 starting at 14:35	Wind Speed and Direction: Fresh Breeze, W; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: Light Showers; Frost: None ; Snow: None	No HH Recorded	JK
03/12/2019	Hen Harrier Roost Survey	1	03:00 starting at 14:15	Wind Speed and Direction: Strong Breeze, S; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	No HH were Recorded	JK
09/12/2019	Hen Harrier Roost Survey	4	02:15 starting at 15:00	Wind Speed and Direction: Strong Breeze, NW; Visibility: Good (>2km); Cloud Height: <150m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None	No HH were Recorded	JK
10/12/2019	Hen Harrier Roost Survey	2	03:00 starting at 14:00	Wind Speed and Direction: Strong Breeze, SW; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: Heavy Showers; Frost: None ; Snow: None	No HH were Recorded	JK
18/12/2019	Hen Harrier Roost Survey	3	02:45 starting at 14:30	Wind Speed and Direction: Strong Breeze, SE; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: Heavy Rain; Frost: None ; Snow: None	No HH were Recorded	JK
06/01/2020	Hen Harrier Roost Survey	3	03:00 starting at 14:30	Wind Speed and Direction: Strong Breeze, SW; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 33-66 Rain: Light Showers; Frost: None ; Snow: None	No HH Recorded	JK
27/01/2020	Hen Harrier Roost Survey	1	02:30 starting at 15:15	Wind Speed and Direction: Fresh Breeze, SW; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: Heavy Showers; Frost: None ; Snow: None	No HH Recorded	JK





Date	Survey Method	HHVP	Survey Duration	Weather Conditions	Comments	Surveyor
28/01/2020	Hen Harrier Roost Survey	2	02:45 starting at 15:00	Wind Speed and Direction:Fresh Breeze, W; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: Heavy Showers; Frost: None ; Snow: None	No HH Recorded	JK
29/01/2020	Hen Harrier Roost Survey	4	02:45 starting at 15:15	Wind Speed and Direction:Fresh Breeze, SW; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: Light Showers; Frost: None ; Snow: None	No HH Recorded	JK
13/02/2020	Hen Harrier Roost Survey	2	03:10 starting at 15:30	Wind Speed and Direction:Strong Breeze, NW; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None	No HH	JK
24/02/2020	Hen Harrier Roost Survey	1	03:00 starting at 16:00	Wind Speed and Direction:Strong Breeze, W; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None	No HH	JK
27/02/2020	Hen Harrier Roost Survey	3	02:50 starting at 16:00	Wind Speed and Direction:Fresh Breeze, W; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None	No HH	JK
23/03/2020	Hen Harrier Roost Survey	HHVP 4	01:00 starting at 16:20	Wind Speed and Direction:Moderate Breeze, S; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	Feb Cover	TK
23/03/2020	Hen Harrier Roost Survey	HHVP 4	01:00 starting at 17:20	Wind Speed and Direction:Moderate Breeze, S; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	Feb Cover	TK
23/03/2020	Hen Harrier Roost Survey	HHVP 4	01:13 starting at 18:20	Wind Speed and Direction:Moderate Breeze, S; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	Feb Cover	TK
04/03/2020	Hen Harrier Roost Survey	HHVP 3	01:00 starting at 16:00	Wind Speed and Direction:Gentle Breeze, N; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		TK

Date	Survey Method	HHVP	Survey Duration	Weather Conditions	Comments	Surveyor
04/03/2020	Hen Harrier Roost Survey	HHVP 3	01:00 starting at 17:00	Wind Speed and Direction:Gentle Breeze, N; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		TK
04/03/2020	Hen Harrier Roost Survey	HHVP 3	00:52 starting at 18:00	Wind Speed and Direction:Gentle Breeze, N; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		TK
14/03/2020	Hen Harrier Roost Survey	HHVP 4	01:00 starting at 16:15	Wind Speed and Direction:Fresh Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: Light Showers; Frost: None ; Snow: None		TK
14/03/2020	Hen Harrier Roost Survey	HHVP 4	01:00 starting at 17:15	Wind Speed and Direction:Fresh Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		TK
14/03/2020	Hen Harrier Roost Survey	HHVP 4	01:05 starting at 18:15	Wind Speed and Direction:Fresh Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		TK
15/03/2020	Hen Harrier Roost Survey	HHVP 1	01:00 starting at 06:00	Wind Speed and Direction:Moderate Breeze, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	Dawn roost watch	TK
15/03/2020	Hen Harrier Roost Survey	HHVP 1	01:00 starting at 07:00	Wind Speed and Direction:Moderate Breeze, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	Dawn roost watch	TK
15/03/2020	Hen Harrier Roost Survey	HHVP 1	00:30 starting at 08:00	Wind Speed and Direction:Moderate Breeze, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	Dawn roost watch	TK
15/03/2020	Hen Harrier Roost Survey	HHVP 2	01:00 starting at 16:30	Wind Speed and Direction:Moderate Breeze, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	Dusk roost watch	TK



Date	Survey Method	HHVP	Survey Duration	Weather Conditions	Comments	Surveyor
15/03/2020	Hen Harrier Roost Survey	HHVP 2	01:00 starting at 17:30	Wind Speed and Direction: Moderate Breeze, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	Dusk roost watch	TK
15/03/2020	Hen Harrier Roost Survey	HHVP 2	00:53 starting at 18:30	Wind Speed and Direction: Moderate Breeze, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	Dusk roost watch	TK

Table 7 Winter Transect/ Waterfowl Survey Effort

Date	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
15/10/2018	Waterfowl Distribution Survey	Area 1	01:10 starting at 12:30	Wind Speed and Direction: Moderate Breeze, S; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None	No Wildfowl seen	TK
15/10/2018	Waterfowl Distribution Survey	Area 2	01:10 starting at 13:55	Wind Speed and Direction: Moderate Breeze, S; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None	No wildfowl seen	TK
15/10/2018	Waterfowl Distribution Survey	Area 3	00:45 starting at 15:15	Wind Speed and Direction: Moderate Breeze, S; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None	No wildfowl	TK
19/10/2018	Winter Walkover Survey	Transect 1,2	00:45 starting at 10:00	Wind Speed and Direction: Fresh Breeze, S; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: Drizzle Mist; Frost: None ; Snow: None		TK
19/10/2018	Winter Walkover Survey	Transect 3,4	00:50 starting at 10:45	Wind Speed and Direction: Fresh Breeze, S; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: Drizzle Mist; Frost: None ; Snow: None		TK
19/10/2018	Winter Walkover Survey	Transect 5	00:15 starting at 12:00	Wind Speed and Direction: Fresh Breeze, S; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66 Rain: Light Showers; Frost: None ; Snow: None		TK
19/10/2018	Winter Walkover Survey	Transect 6,7,8	00:50 starting at 12:35	Wind Speed and Direction: Fresh Breeze, S; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None		TK
19/10/2018	Winter Walkover Survey	Transect 9,10,11	00:50 starting at 13:25	Wind Speed and Direction: Fresh Breeze, S; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66 Rain: Light Showers; Frost: None ; Snow: None		TK

Date	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
19/10/2018	Winter Walkover Survey	Transect 12,13	00:50 starting at 14:35	Wind Speed and Direction:Fresh Breeze, S; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None		TK
31/10/2018	Waterfowl Distribution Survey	Area 4	01:00 starting at 11:30	Wind Speed and Direction:Moderate Breeze, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: Light Showers; Frost: None ; Snow: None	no wildfowl	TK
31/10/2018	Waterfowl Distribution Survey	Area 4	01:20 starting at 12:30	Wind Speed and Direction:Moderate Breeze, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: Light Showers; Frost: None ; Snow: None	no wildfowl	TK
26/11/2018	Waterfowl Distribution Survey		05:15 starting at 08:15	Wind Speed and Direction:Light Breeze, SE; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: Drizzle Mist; Frost: None ; Snow: None		JM
10/12/2018	Winter Walkover Survey		06:00 starting at 08:00	Wind Speed and Direction:Light Air, SW; Visibility: Moderate (1-2km); Cloud Height: 0; Cloud Cover %: 66-100 Rain: None; Frost: 0; Snow: 0		JM
17/12/2018	Waterfowl Distribution Survey		06:00 starting at 08:00	Wind Speed and Direction:Fresh Breeze, S; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: Heavy Showers; Frost: None ; Snow: None		JM
21/01/2019	Winter Walkover Survey		06:00 starting at 08:00	Wind Speed and Direction:Light Air, SW; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JM
29/01/2019	Waterfowl Distribution Survey		06:00 starting at 08:00	Wind Speed and Direction:Fresh Breeze, S; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: Heavy Showers; Frost: None ; Snow: None	No wildfowl present except 2 Mute Swans on Gougane Barra Lake	JM
05/02/2019	Waterfowl Distribution Survey	Area 5	01:10 starting at 08:30	Wind Speed and Direction:Strong Breeze, SW; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: Heavy Showers; Frost: None ; Snow: None	NO WATERFOWL	TK

Date	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
05/02/2019	Waterfowl Distribution Survey	Area 3	00:50 starting at 10:00	Wind Speed and Direction:Strong Breeze, SW; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: Heavy Showers; Frost: None ; Snow: None	NO WATERFOWL	TK
05/02/2019	Waterfowl Distribution Survey	Area 2	00:45 starting at 11:15	Wind Speed and Direction:Strong Breeze, SW; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: Heavy Showers; Frost: None ; Snow: None	NO WATERFOWL	TK
05/02/2019	Waterfowl Distribution Survey	Area 1	00:35 starting at 12:30	Wind Speed and Direction:Strong Breeze, SW; Visibility: Moderate (1-2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: Light Showers; Frost: None ; Snow: None	NO WATERFOWL	TK
05/02/2019	Waterfowl Distribution Survey	Area 4	00:55 starting at 13:30	Wind Speed and Direction:Strong Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: Light Showers; Frost: None ; Snow: None	NO WATERFOWL	TK
05/03/2019	Winter Walkover Survey	Transect 1,2	00:45 starting at 08:30	Wind Speed and Direction:Moderate Breeze, SW; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: Drizzle Mist; Frost: None ; Snow: None		TK
05/03/2019	Winter Walkover Survey	Transect 3,4	00:50 starting at 09:15	Wind Speed and Direction:Moderate Breeze, SW; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: Drizzle Mist; Frost: None ; Snow: None		TK
05/03/2019	Winter Walkover Survey	Transect 5	00:20 starting at 10:05	Wind Speed and Direction:Moderate Breeze, SW; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		TK
05/03/2019	Winter Walkover Survey	Transect 6,7,8	01:05 starting at 11:25	Wind Speed and Direction:Fresh Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		TK
05/03/2019	Winter Walkover Survey	Transect 9,10	00:40 starting at 12:30	Wind Speed and Direction:Fresh Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		TK

Date	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
05/03/2019	Winter Walkover Survey	Transect 11,12	00:50 starting at 14:25	Wind Speed and Direction:Fresh Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: Light Showers; Frost: None ; Snow: None		TK
11/03/2019	Waterfowl Distribution Survey	Area 1	01:10 starting at 07:10	Wind Speed and Direction:Strong Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66 Rain: None; Frost: On site; Snow: None	no waterfowl	TK
11/03/2019	Waterfowl Distribution Survey	Area 2	01:10 starting at 08:35	Wind Speed and Direction:Strong Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66 Rain: None; Frost: On site; Snow: None	no waterfowl	TK
11/03/2019	Waterfowl Distribution Survey	Area 3	01:20 starting at 10:15	Wind Speed and Direction:Strong Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None	no waterfowl	TK
25/03/2019	Waterfowl Distribution Survey	Area 4	01:00 starting at 12:05	Wind Speed and Direction:Moderate Breeze, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None	no waterfowl	TK
25/03/2019	Waterfowl Distribution Survey	Area 5	00:55 starting at 13:55	Wind Speed and Direction:Moderate Breeze, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None	no waterfowl	TK
06/04/2019	Waterfowl Distribution Survey	Area 1	01:10 starting at 09:00	Wind Speed and Direction:Moderate Breeze, E; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: Drizzle Mist; Frost: None ; Snow: None	no waterfowl	TK
06/04/2019	Waterfowl Distribution Survey	Area 2	01:05 starting at 10:25	Wind Speed and Direction:Moderate Breeze, E; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	no waterfowl	TK
06/04/2019	Waterfowl Distribution Survey	Area 3	01:15 starting at 11:55	Wind Speed and Direction:Moderate Breeze, E; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	no waterfowl	TK

Date	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
20/04/2019	Waterfowl Distribution Survey	Area 4	01:00 starting at 13:00	Wind Speed and Direction:Gentle Breeze, S; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None	no waterfowl	TK
20/04/2019	Waterfowl Distribution Survey	Area 5	01:20 starting at 14:25	Wind Speed and Direction:Gentle Breeze, S; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None	no waterfowl	TK
16/05/2019	Waterfowl Distribution Survey		06:30 starting at 06:30	Wind Speed and Direction:Fresh Breeze, SE; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: Light Showers; Frost: None ; Snow: None	No Wildfowl recorded.	JK
28/08/2019	Waterfowl Distribution Survey		04:00 starting at 11:00	Wind Speed and Direction:Moderate Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JM
30/08/2019	Waterfowl Distribution Survey		04:00 starting at 11:00	Wind Speed and Direction:Gentle Breeze, S; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JM
06/09/2019	Waterfowl Distribution Survey		03:00 starting at 15:00	Wind Speed and Direction:Calm, SW; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 90 Rain: Light Showers; Frost: None ; Snow: None	no waterfowl	CMc
24/09/2019	Waterfowl Distribution Survey		03:00 starting at 10:45	Wind Speed and Direction:Light Air, NW; Visibility: Poor (<km); Cloud Height: 150-500m; Cloud Cover %: 100 Rain: Heavy Rain; Frost: None ; Snow: None	no waterfowl	CMc
07/10/2019	Waterfowl Distribution Survey		03:00 starting at 13:45	Wind Speed and Direction:Strong Breeze, SW; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 33-66 Rain: Light Showers; Frost: None ; Snow: None		JK
29/10/2019	Winter Walkover Survey		03:00 starting at 12:10	Wind Speed and Direction:Strong Breeze, E; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	No Targets	JK



Date	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
30/10/2019	Waterfowl Distribution Survey		03:00 starting at 12:00	Wind Speed and Direction:Strong Breeze, E; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: Heavy Showers; Frost: None ; Snow: None		JK
31/10/2019	Winter Walkover Survey		03:00 starting at 11:45	Wind Speed and Direction:Fresh Breeze, SE; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: Light Showers; Frost: None ; Snow: None	No targets	JK
01/11/2019	Waterfowl Distribution Survey		03:00 starting at 09:15	Wind Speed and Direction:Fresh Breeze, SE; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: Heavy Rain; Frost: None ; Snow: None		JK
18/11/2019	Waterfowl Distribution Survey		03:00 starting at 11:00	Wind Speed and Direction:Fresh Breeze, SE; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None		JK
03/12/2019	Waterfowl Distribution Survey		03:00 starting at 10:45	Wind Speed and Direction:Fresh Breeze, S; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JK
09/12/2019	Winter Walkover Survey		05:30 starting at 09:15	Wind Speed and Direction:Strong Breeze, NW; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None	PE Recorded	JK
13/12/2019	Winter Walkover Survey		06:30 starting at 10:30	Wind Speed and Direction:Strong Breeze, NW; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 33-66 Rain: Heavy Showers; Frost: None ; Snow: None		JK
18/12/2019	Waterfowl Distribution Survey		03:00 starting at 10:45	Wind Speed and Direction:Strong Breeze, SE; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: Heavy Rain; Frost: None ; Snow: None		JK
06/01/2020	Waterfowl Distribution Survey		03:00 starting at 11:00	Wind Speed and Direction:Strong Breeze, SW; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 33-66 Rain: Light Showers; Frost: None ; Snow: None		JK

Date	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
10/01/2020	Winter Walkover Survey		06:30 starting at 10:00	Wind Speed and Direction:Strong Breeze, SW; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: Light Showers; Frost: None ; Snow: None		JK
16/01/2020	Winter Walkover Survey		06:30 starting at 09:00	Wind Speed and Direction:Strong Breeze, S; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: Heavy Showers; Frost: None ; Snow: None		JK
27/01/2020	Waterfowl Distribution Survey		03:00 starting at 12:00	Wind Speed and Direction:Fresh Breeze, SW; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: Heavy Showers; Frost: None ; Snow: None		JK
13/02/2020	Waterfowl Distribution Survey	north	03:00 starting at 12:00	Wind Speed and Direction:Strong Breeze, NW; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None		JK
27/02/2020	Waterfowl Distribution Survey	South	03:00 starting at 12:00	Wind Speed and Direction:Fresh Breeze, W; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None		JK
26/03/2020	Winter Walkover Survey	Winter Walkover Map 2	04:50 starting at 14:10	Wind Speed and Direction:Light Air, NE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None	No target species	MOC
27/03/2020	Winter Walkover Survey	Winter Walkover Map 3	05:40 starting at 13:35	Wind Speed and Direction:Light Breeze, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None	No target species	MOC
04/03/2020	Waterfowl Distribution Survey	Gougane Barra Lough	00:25 starting at 09:35	Wind Speed and Direction:Gentle Breeze, NE; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: Drizzle Mist; Frost: None ; Snow: None		TK
04/03/2020	Waterfowl Distribution Survey	Area 1	00:35 starting at 10:25	Wind Speed and Direction:Gentle Breeze, NE; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: Drizzle Mist; Frost: None ; Snow: None		TK

Date	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
04/03/2020	Waterfowl Distribution Survey	Area 2	00:35 starting at 11:20	Wind Speed and Direction:Gentle Breeze, NE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		TK
04/03/2020	Waterfowl Distribution Survey	Area 3	00:55 starting at 12:25	Wind Speed and Direction:Gentle Breeze, NE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		TK
21/03/2020	Waterfowl Distribution Survey	Gougane Barra Lough	00:30 starting at 10:00	Wind Speed and Direction:Moderate Breeze, E; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		TK
21/03/2020	Waterfowl Distribution Survey	Area 1	00:40 starting at 10:50	Wind Speed and Direction:Moderate Breeze, E; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		TK
21/03/2020	Waterfowl Distribution Survey	Area 2	00:35 starting at 11:50	Wind Speed and Direction:Moderate Breeze, E; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		TK