

Ardderroo Windfarm EIAR Co. Galway

Birds Technical Appendix 7-2



Planning & Environmental Consultants

Appendix 7-2 – Survey Effort Contents

Table 1: Vantage Point Surveys	1
Table 2: Breeding Bird Surveys (Quadrat/Walkover Surveys)	147
Table 3: Breeding Raptor Surveys	156
Table 4: Red Grouse Surveys	163
Table 5: White-tailed Eagle Surveys	165
Table 6: Hen Harrier Roost Surveys	184
Table 7: Woodcock Surveys	198
Table 8: Winter Walkover Surveys	199
Table 9: Wetland & Waterbird Counts	203

Table 1: Vantage Point Surveys

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
22/03/2016	Both (Overlap)	Vantage Point Survey	1	01:00 starting at 08:00	Wind Speed and Direction:Gentle Breeze, NW; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None	Sunset/ sunrise time: 0633/ 1845. Badger scat on road en route to VP.	Susan D
22/03/2016	Both (Overlap)	Vantage Point Survey	1	01:00 starting at 09:00	Wind Speed and Direction:Gentle Breeze, NW; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None		Susan D
22/03/2016	Both (Overlap)	Vantage Point Survey	1	01:00 starting at 10:00	Wind Speed and Direction:Fresh Breeze, NW; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None		Susan D
22/03/2016	Both (Overlap)	Vantage Point Survey	1	01:00 starting at 11:30	Wind Speed and Direction:Moderate Breeze, SW; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None	Very quiet - little activity.	Susan D
22/03/2016	Both (Overlap)	Vantage Point Survey	1	01:00 starting at 12:30	Wind Speed and Direction:Moderate Breeze, SW; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None		Susan D
22/03/2016	Both (Overlap)	Vantage Point Survey	1	01:00 starting at 13:30	Wind Speed and Direction:Moderate Breeze, SW; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None		Susan D
27/04/2016	Breeding	Vantage Point Survey	1	01:00 starting at 14:30	wind speed and direction:Strong Breeze, ; visibility: Good (>2km); Rain: Heavy Showers; Frost: None ; Snow: None	Little activity overall.	Susan D
27/04/2016	Breeding	Vantage Point Survey	1	01:00 starting at 15:30	wind speed and direction:Strong Breeze, ; visibility: Good (>2km);		Susan D

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
27/04/2016	Breeding	Vantage Point Survey	1	01:00 starting at 16:30	Rain: Heavy Showers; Frost: None ; Snow: None wind speed and direction:Strong Breeze, ; visibility: Good (>2km); Rain: Heavy Showers; Frost: None ; Snow: None		Susan D
27/04/2016	Breeding	Vantage Point Survey	1	01:00 starting at 18:00	wind speed and direction:Fresh Breeze, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		Susan D
27/04/2016	Breeding	Vantage Point Survey	1	01:00 starting at 19:00	wind speed and direction:Moderate Breeze, ; visibility: Good (>2km); Rain: Drizzle Mist; Frost: None ; Snow: None		Susan D
27/04/2016	Breeding	Vantage Point Survey	1	01:00 starting at 20:00	wind speed and direction:Gentle Breeze, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		Susan D
16/03/2016	Both (Overlap)	Vantage Point Survey	2	01:00 starting at 12:00	Wind Speed and Direction:Moderate Breeze, W; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	Hour 1: hazy. Little activity, mainly passerine songbirds singing in vegetation around VP. Little activity within field of view.	Susan D
16/03/2016	Both (Overlap)	Vantage Point Survey	2	01:00 starting at 13:00	Wind Speed and Direction:Moderate Breeze, W; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		Susan D
16/03/2016	Both (Overlap)	Vantage Point Survey	2	01:00 starting at 14:00	Wind Speed and Direction:Moderate Breeze, W; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		Susan D
16/03/2016	Both (Overlap)	Vantage Point Survey	2	01:00 starting at 15:30	Wind Speed and Direction:Gentle Breeze, E; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None	Little activity, mostly territory guarding by small songbirds around VP and in front. Little activity from within field of view. No target species recorded.	Susan D

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
16/03/2016	Both (Overlap)	Vantage Point Survey	2	01:00 starting at 16:30	Wind Speed and Direction:Gentle Breeze, E; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None		Susan D
16/03/2016	Both (Overlap)	Vantage Point Survey	2	01:00 starting at 17:30	Wind Speed and Direction:Light Air, E; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None		Susan D
26/04/2016	Breeding	Vantage Point Survey	2	01:00 starting at 05:50	wind speed and direction:Moderate Breeze, ; visibility: Good (>2km); Rain: Drizzle Mist; Frost: None ; Snow: None	No target species recorded.	Susan D
26/04/2016	Breeding	Vantage Point Survey	2	01:00 starting at 06:50	wind speed and direction:Moderate Breeze, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		Susan D
26/04/2016	Breeding	Vantage Point Survey	2	01:00 starting at 07:50	wind speed and direction:Moderate Breeze, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		Susan D
26/04/2016	Breeding	Vantage Point Survey	2	01:00 starting at 09:20	wind speed and direction:Moderate Breeze, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None	Kestrel observed flying over young conifers E to SW during survey break (at 905)	Susan D
26/04/2016	Breeding	Vantage Point Survey	2	01:00 starting at 10:20	wind speed and direction:Moderate Breeze, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None	Some hail showers.	Susan D
26/04/2016	Breeding	Vantage Point Survey	2	01:00 starting at 11:20	wind speed and direction:Moderate Breeze, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None	No target species recorded.	Susan D
25/05/2016	Breeding	Vantage Point Survey	2	01:00 starting at 15:14	wind speed and direction:Gentle Breeze, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		Sean M

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
25/05/2016	Breeding	Vantage Point Survey	2	01:00 starting at 16:14	wind speed and direction: Moderate Breeze, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		Sean M
25/05/2016	Breeding	Vantage Point Survey	2	01:00 starting at 17:14	wind speed and direction: Gentle Breeze, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		Sean M
25/05/2016	Breeding	Vantage Point Survey	2	01:00 starting at 18:14	wind speed and direction: Light Air, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		Sean M
25/05/2016	Breeding	Vantage Point Survey	2	01:00 starting at 19:44	wind speed and direction: Light Air, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		Sean M
25/05/2016	Breeding	Vantage Point Survey	2	01:00 starting at 20:44	wind speed and direction: Calm, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		Sean M
22/06/2016	Breeding	Vantage Point Survey	2	03:00 starting at 10:00	wind speed and direction: Light Breeze, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		Sean M
22/06/2016	Breeding	Vantage Point Survey	2	03:00 starting at 13:30	wind speed and direction: Light Breeze, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		Sean M
28/07/2016	Breeding	Vantage Point Survey	2	03:00 starting at 15:00	wind speed and direction: Light Breeze, ; visibility: Moderate (1-2km); Rain: Drizzle Mist; Frost: None ; Snow: None		Sean M
28/07/2016	Breeding	Vantage Point Survey	2	03:00 starting at 18:30	wind speed and direction: Light Breeze, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		Sean M
28/08/2016	Breeding	Vantage Point Survey	2	03:00 starting at 11:00	wind speed and direction: Gentle Breeze, ; visibility: Moderate (1-2km); Rain: Light Showers; Frost: None ; Snow: None		Sean M

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
28/08/2016	Breeding	Vantage Point Survey	2	03:00 starting at 14:30	wind speed and direction:Gentle Breeze, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		Sean M
18/09/2016	Both (Overlap)	Vantage Point Survey	2	04:00 starting at 06:17	wind speed and direction:Gentle Breeze, W; visibility: Moderate (1-2km); Rain: None; Frost: None ; Snow: None		Sean M
18/09/2016	Both (Overlap)	Vantage Point Survey	2	03:00 starting at 10:47	wind speed and direction:Gentle Breeze, W; visibility: Moderate (1-2km); Rain: None; Frost: None ; Snow: None		Sean M
27/10/2016	Non-Breeding	Vantage Point Survey	2	01:00 starting at 10:00	wind speed and direction:Gentle Breeze, NW; visibility: Good (>2km); Rain: Drizzle Mist; Frost: None ; Snow: None		JOS
27/10/2016	Non-Breeding	Vantage Point Survey	2	01:00 starting at 11:00	wind speed and direction:Gentle Breeze, NW; visibility: Good (>2km); Rain: Drizzle Mist; Frost: None ; Snow: None		JOS
27/10/2016	Non-Breeding	Vantage Point Survey	2	01:00 starting at 12:00	wind speed and direction:Gentle Breeze, NW; visibility: Moderate (1-2km); Rain: Drizzle Mist; Frost: None ; Snow: None		JOS
28/10/2016	Non-Breeding	Vantage Point Survey	2	01:00 starting at 07:28	wind speed and direction:Light Air, NW; visibility: Moderate (1-2km); Rain: Heavy Showers; Frost: None ; Snow: None	No target species recorded. No flightlines mapped.	JOS
28/10/2016	Non-Breeding	Vantage Point Survey	2	01:00 starting at 08:28	wind speed and direction:Light Air, NW; visibility: Good (>2km); Rain: Light Showers; Frost: None ; Snow: None		JOS
28/10/2016	Non-Breeding	Vantage Point Survey	2	01:00 starting at 09:28	wind speed and direction:Light Air, NW; visibility: Good (>2km); Rain: Light Showers; Frost: None ; Snow: None		JOS

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
28/10/2016	Non-Breeding	Vantage Point Survey	2	01:00 starting at 11:00	wind speed and direction:Calm, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		JOS
28/10/2016	Non-Breeding	Vantage Point Survey	2	01:00 starting at 12:00	wind speed and direction:Calm, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		JOS
28/10/2016	Non-Breeding	Vantage Point Survey	2	01:00 starting at 13:00	wind speed and direction:Calm, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		JOS
09/11/2016	Non-Breeding	Vantage Point Survey	2	01:00 starting at 11:20	wind speed and direction:Gentle Breeze, SE; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None	Sunset 16:50. 11:48 - light rain shower, ends 11:52. 11:50 disturbance - truck drives along track through viewshed.	JOS
09/11/2016	Non-Breeding	Vantage Point Survey	2	01:00 starting at 12:20	wind speed and direction:Calm, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		JOS
09/11/2016	Non-Breeding	Vantage Point Survey	2	01:00 starting at 13:20	wind speed and direction:Gentle Breeze, SE; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None	No target species recorded.	JOS
09/11/2016	Non-Breeding	Vantage Point Survey	2	01:00 starting at 14:50	wind speed and direction:Gentle Breeze, SE; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None	15:13 - 15:18 Light rain shower.	JOS
09/11/2016	Non-Breeding	Vantage Point Survey	2	01:00 starting at 15:50	wind speed and direction:Calm, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None	15:58 - light rain.	JOS
09/11/2016	Non-Breeding	Vantage Point Survey	2	01:00 starting at 16:50	wind speed and direction:Calm, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		JOS
22/12/2016	Non-Breeding	Vantage Point Survey	2	01:00 starting at 08:50	wind speed and direction:Light Air, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None	No target species recorded.	JOS

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
22/12/2016	Non-Breeding	Vantage Point Survey	2	01:00 starting at 09:50	wind speed and direction:Light Air, ; visibility: Good (>2km); Rain: Light Showers; Frost: None ; Snow: None		JOS
22/12/2016	Non-Breeding	Vantage Point Survey	2	01:00 starting at 10:50	wind speed and direction:Light Air, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		JOS
22/12/2016	Non-Breeding	Vantage Point Survey	2	01:00 starting at 12:20	wind speed and direction:Gentle Breeze, SW; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None	12:35 - Light rain shower.	JOS
22/12/2016	Non-Breeding	Vantage Point Survey	2	01:00 starting at 13:20	wind speed and direction:Gentle Breeze, SE; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		JOS
22/12/2016	Non-Breeding	Vantage Point Survey	2	01:00 starting at 14:20	wind speed and direction:Gentle Breeze, SE; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None	No target species recorded.	JOS
13/01/2017	Non-Breeding	Vantage Point Survey	2	01:00 starting at 11:15	wind speed and direction:Calm, ; visibility: Good (>2km); Rain: None; Frost: ; Snow:	Snow lying on the ground, but not snowing. 12:01 light rain shower.	JOS
13/01/2017	Non-Breeding	Vantage Point Survey	2	01:00 starting at 12:15	wind speed and direction:Calm, ; visibility: Good (>2km); Rain: None; Frost: ; Snow:	12:20 - light rain shower.	JOS
13/01/2017	Non-Breeding	Vantage Point Survey	2	01:00 starting at 13:15	wind speed and direction:Calm, ; visibility: Good (>2km); Rain: Light Showers; Frost: ; Snow:		JOS
13/01/2017	Non-Breeding	Vantage Point Survey	2	01:00 starting at 14:45	wind speed and direction:Calm, ; visibility: Good (>2km); Rain: Light Showers; Frost: ; Snow:		JOS
13/01/2017	Non-Breeding	Vantage Point Survey	2	01:00 starting at 15:45	wind speed and direction:Calm, ; visibility: Good (>2km); Rain: Light Showers; Frost: ; Snow:		JOS

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
13/01/2017	Non-Breeding	Vantage Point Survey	2	01:00 starting at 16:45	wind speed and direction:Calm, ; visibility: Good (>2km); Rain: Light Showers; Frost: ; Snow:		JOS
01/02/2017	Non-breeding	Vantage Point Survey	2	01:00 starting at 11:30	wind speed and direction:Moderate Breeze, SW; visibility: Poor (<km); Rain: Light Showers; Frost: None ; Snow: None		AOD
01/02/2017	Non-breeding	Vantage Point Survey	2	01:00 starting at 12:30	wind speed and direction:Moderate Breeze, SW; visibility: Moderate (1-2km); Rain: Light Showers; Frost: None ; Snow: None		AOD
01/02/2017	Non-breeding	Vantage Point Survey	2	01:00 starting at 13:30	wind speed and direction:Gentle Breeze, SW; visibility: Good (>2km); Rain: Light Showers; Frost: None ; Snow: None		AOD
08/02/2017	Non-breeding	Vantage Point Survey	2	01:00 starting at 07:20	wind speed and direction:Light Air, SE; visibility: Good (>2km); Rain: None; Frost: On site; Snow: None		AOD
08/02/2017	Non-breeding	Vantage Point Survey	2	01:00 starting at 08:20	wind speed and direction:Light Air, SE; visibility: Good (>2km); Rain: None; Frost: On site; Snow: None		AOD
08/02/2017	Non-breeding	Vantage Point Survey	2	01:00 starting at 09:20	wind speed and direction:Light Air, E; visibility: Good (>2km); Rain: None; Frost: On site; Snow: None		AOD
07/03/2017	Non-Breeding	Vantage Point Survey	2	01:00 starting at 13:30	wind speed and direction:Moderate Breeze, SE; visibility: Limited (<500m); Rain: Heavy Rain; Frost: None ; Snow: None		AOD
07/03/2017	Non-Breeding	Vantage Point Survey	2	01:00 starting at 14:30	wind speed and direction:Moderate Breeze, SE; visibility: Limited (<500m); Rain: Heavy Rain; Frost: None ; Snow: None		AOD
07/03/2017	Non-Breeding	Vantage Point Survey	2	01:00 starting at 15:30	wind speed and direction:Fresh Breeze, E; visibility: Limited		AOD

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
					(<500m); Rain: Heavy Rain; Frost: None ; Snow: None		
08/03/2017	Non-Breeding	Vantage Point Survey	2	01:00 starting at 16:30	wind speed and direction:Gentle Breeze, W; visibility: Good (>2km); Rain: Light Showers; Frost: None ; Snow: None		AOD
08/03/2017	Non-Breeding	Vantage Point Survey	2	01:00 starting at 17:30	wind speed and direction:Gentle Breeze, W; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		AOD
08/03/2017	Non-Breeding	Vantage Point Survey	2	01:00 starting at 18:30	wind speed and direction:Moderate Breeze, W; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		AOD
20/04/2017	Breeding	Vantage Point Survey	2	01:00 starting at 05:45	Wind Speed and Direction:Calm, ; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	No target species recorded.	JOS
20/04/2017	Breeding	Vantage Point Survey	2	01:00 starting at 06:45	Wind Speed and Direction:Calm, ; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JOS
20/04/2017	Breeding	Vantage Point Survey	2	01:00 starting at 07:45	Wind Speed and Direction:Calm, ; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JOS
21/04/2017	Breeding	Vantage Point Survey	2	01:00 starting at 09:20	Wind Speed and Direction:Calm, ; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	Sunrise 06:23am	JOS
21/04/2017	Breeding	Vantage Point Survey	2	01:00 starting at 10:20	Wind Speed and Direction:Calm, ; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-		JOS

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
					100 Rain: None; Frost: None ; Snow: None		
21/04/2017	Breeding	Vantage Point Survey	2	01:00 starting at 11:20	Wind Speed and Direction:Calm, ; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JOS
15/05/2017	Breeding	Vantage Point Survey	2	01:00 starting at 16:00	Wind Speed and Direction:Gentle Breeze, SE; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: Drizzle Mist; Frost: None ; Snow: None		JOS
15/05/2017	Breeding	Vantage Point Survey	2	01:00 starting at 17:00	Wind Speed and Direction:Gentle Breeze, SE; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	17:15-17:45 - Visibility 1-2km.	JOS
15/05/2017	Breeding	Vantage Point Survey	2	01:00 starting at 18:00	Wind Speed and Direction:Gentle Breeze, SE; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	No target species recorded in part 1.	JOS
15/05/2017	Breeding	Vantage Point Survey	2	01:00 starting at 19:30	Wind Speed and Direction:Gentle Breeze, SE; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: Drizzle Mist; Frost: None ; Snow: None		JOS
15/05/2017	Breeding	Vantage Point Survey	2	01:00 starting at 20:30	Wind Speed and Direction:Gentle Breeze, SE; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JOS
15/05/2017	Breeding	Vantage Point Survey	2	01:00 starting at 21:30	Wind Speed and Direction:Light Breeze, SW; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: Drizzle Mist; Frost: None ; Snow: None		JOS

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
06/06/2017	Breeding	Vantage Point Survey	2	01:00 starting at 09:30	Wind Speed and Direction:Gentle Breeze, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66 Rain: Light Showers; Frost: None ; Snow: None		JOS
06/06/2017	Breeding	Vantage Point Survey	2	01:00 starting at 10:30	Wind Speed and Direction:Gentle Breeze, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: Light Showers; Frost: None ; Snow: None		JOS
06/06/2017	Breeding	Vantage Point Survey	2	01:00 starting at 11:30	Wind Speed and Direction:Gentle Breeze, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: Light Showers; Frost: None ; Snow: None		JOS
06/06/2017	Breeding	Vantage Point Survey	2	01:00 starting at 13:00	Wind Speed and Direction:Gentle Breeze, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: Light Showers; Frost: None ; Snow: None	13:00 - 16-00 - part 2 - no target species recorded.	JOS
06/06/2017	Breeding	Vantage Point Survey	2	01:00 starting at 14:00	Wind Speed and Direction:Gentle Breeze, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None		JOS
06/06/2017	Breeding	Vantage Point Survey	2	01:00 starting at 15:00	Wind Speed and Direction:Gentle Breeze, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None		JOS
04/07/2017	Breeding	Vantage Point Survey	2	01:00 starting at 10:10	Wind Speed and Direction:Light Air, NE; Visibility: Poor (<km); Cloud Height: 150-500m; Cloud Cover %: 100 Rain: Light Showers; Frost: None ; Snow: None		DMcG

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
04/07/2017	Breeding	Vantage Point Survey	2	01:00 starting at 11:10	Wind Speed and Direction:Calm, NE; Visibility: Poor (<km); Cloud Height: 150-500m; Cloud Cover %: 100 Rain: Drizzle Mist; Frost: None ; Snow: None		DMcG
04/07/2017	Breeding	Vantage Point Survey	2	01:00 starting at 12:10	Wind Speed and Direction:Light Air, NE; Visibility: Poor (<km); Cloud Height: 150-500m; Cloud Cover %: 100 Rain: Heavy Showers; Frost: None ; Snow: None		DMcG
04/07/2017	Breeding	Vantage Point Survey	2	01:00 starting at 13:40	Wind Speed and Direction:Calm, NE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None		DMcG
04/07/2017	Breeding	Vantage Point Survey	2	01:00 starting at 14:40	Wind Speed and Direction:Calm, NE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		DMcG
04/07/2017	Breeding	Vantage Point Survey	2	01:00 starting at 15:40	Wind Speed and Direction:Light Air, NE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		DMcG
09/08/2017	Breeding	Vantage Point Survey	2	01:00 starting at 05:08	Wind Speed and Direction:Gentle Breeze, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None	Sunrise 06:08	JOS
09/08/2017	Breeding	Vantage Point Survey	2	01:00 starting at 06:08	Wind Speed and Direction:Gentle Breeze, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None		JOS

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
09/08/2017	Breeding	Vantage Point Survey	2	01:00 starting at 07:08	Wind Speed and Direction:Gentle Breeze, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None	No target species recorded in part 1.	JOS
09/08/2017	Breeding	Vantage Point Survey	2	01:00 starting at 08:38	Wind Speed and Direction:Light Breeze, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None	08:38 - 08:45 Disturbance - construction work on road	JOS
09/08/2017	Breeding	Vantage Point Survey	2	01:00 starting at 09:38	Wind Speed and Direction:Moderate Breeze, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None		JOS
09/08/2017	Breeding	Vantage Point Survey	2	01:00 starting at 10:38	Wind Speed and Direction:Gentle Breeze, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None		JOS
06/09/2017	Breeding	Vantage Point Survey	2	03:00 starting at 15:20	Wind Speed and Direction:Calm, N; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: Drizzle Mist; Frost: None ; Snow: None		DMcG
06/09/2017	Breeding	Vantage Point Survey	2	03:00 starting at 08:50	Wind Speed and Direction:Calm, N; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		DMcG
05/10/2017	Non-Breeding	Vantage Point Survey	2	01:00 starting at 06:45	Wind Speed and Direction:Light Air, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None		JOS

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
05/10/2017	Non-Breeding	Vantage Point Survey	2	01:00 starting at 07:45	Wind Speed and Direction:Light Air, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None		JOS
05/10/2017	Non-Breeding	Vantage Point Survey	2	01:00 starting at 08:45	Wind Speed and Direction:Gentle Breeze, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None	No target species recorded in part 1.	JOS
05/10/2017	Non-Breeding	Vantage Point Survey	2	01:00 starting at 10:15	Wind Speed and Direction:Calm, ; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None		JOS
05/10/2017	Non-Breeding	Vantage Point Survey	2	01:00 starting at 11:15	Wind Speed and Direction:Calm, ; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None		JOS
05/10/2017	Non-Breeding	Vantage Point Survey	2	01:00 starting at 12:15	Wind Speed and Direction:Calm, ; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JOS
13/11/2017	Non-BR	Vantage Point Survey	2	03:00 starting at 11:13	Wind Speed and Direction:Light Breeze, WSW; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 100 Rain: Light Showers; Frost: None ; Snow: None		CP
13/11/2017	Non-BR	Vantage Point Survey	2	03:00 starting at 14:43	Wind Speed and Direction:Light Breeze, WSW; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None		CP

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
05/12/2017	Non-BR	Vantage Point Survey	2	03:00 starting at 07:33	Wind Speed and Direction:Light Breeze, SW; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 100 Rain: Drizzle Mist; Frost: None ; Snow: None		CP
05/12/2017	Non-BR	Vantage Point Survey	2	03:00 starting at 11:03	Wind Speed and Direction:Light Breeze, SW; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 100 Rain: Drizzle Mist; Frost: None ; Snow: None		CP
11/01/2018	Non-breeding	Vantage Point Survey	2	02:00 starting at 11:12	Wind Speed and Direction:Light Air, SE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		PM
11/01/2018	Non-breeding	Vantage Point Survey	2	01:00 starting at 13:12	Wind Speed and Direction:Light Breeze, SE; Visibility: Moderate (1-2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		PM
11/01/2018	Non-breeding	Vantage Point Survey	2	02:00 starting at 14:42	Wind Speed and Direction:Light Air, SE; Visibility: Poor (<km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		PM
11/01/2018	Non-breeding	Vantage Point Survey	2	01:00 starting at 16:42	Wind Speed and Direction:Light Air, SE; Visibility: Moderate (1-2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None		PM
08/02/2018	Non-Breeding	Vantage Point Survey	2	03:00 starting at 07:08	Wind Speed and Direction:Light Air, WNW; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None		CP

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
08/02/2018	Non-Breeding	Vantage Point Survey	2	03:00 starting at 10:38	Wind Speed and Direction:Light Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 75 Rain: None; Frost: None ; Snow: None		CP
10/03/2018	Non-Breeding	Vantage Point Survey	2	03:00 starting at 12:59	Wind Speed and Direction:Light Air, SSW; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None		CP
10/03/2018	Non-Breeding	Vantage Point Survey	2	01:31 starting at 16:29	Wind Speed and Direction:Light Breeze, SSW; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 0-33 Rain: Drizzle Mist; Frost: None ; Snow: None	Bands of clouds, so cloud 10% and sunny during approx. first half and 100% cloud (with some drizzle) in the second half.	CP
10/03/2018	Non-Breeding	Vantage Point Survey	2	01:29 starting at 18:00	Wind Speed and Direction:Light Breeze, SSW; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: Drizzle Mist; Frost: None ; Snow: None	Bands of clouds, so cloud 10% and sunny during approx. first half and 100% cloud (with some drizzle) in the second half.	CP
21/03/2016	Both (Overlap)	Vantage Point Survey	3	01:00 starting at 08:00	Wind Speed and Direction:Calm, N; Visibility: Good (>2km); Cloud Height: <150m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None	No target species recorded. Mostly small songbirds present. Rabbit pauses along track side vegetation at 1025.	Susan D
21/03/2016	Both (Overlap)	Vantage Point Survey	3	01:00 starting at 09:00	Wind Speed and Direction:Calm, N; Visibility: Good (>2km); Cloud Height: <150m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None		Susan D

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
21/03/2016	Both (Overlap)	Vantage Point Survey	3	01:00 starting at 10:00	Wind Speed and Direction:Calm, N; Visibility: Good (>2km); Cloud Height: <150m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None		Susan D
21/03/2016	Both (Overlap)	Vantage Point Survey	3	01:00 starting at 11:15	Wind Speed and Direction:Light Breeze, NW; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None	Rabbits in conifer plantation and on forestry track at 1116 and 1141. Songbirds only, no target species recorded. Disturbance at 1235, coillte van drives down track. Again at 1350.	Susan D
21/03/2016	Both (Overlap)	Vantage Point Survey	3	01:00 starting at 12:15	Wind Speed and Direction:Light Air, NW; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None		Susan D
21/03/2016	Both (Overlap)	Vantage Point Survey	3	01:00 starting at 13:15	Wind Speed and Direction:Light Air, NW; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None		Susan D
23/03/2016	Both (Overlap)	Vantage Point Survey	4	01:00 starting at 15:00	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 B access limitation.	Susan D
23/03/2016	Both (Overlap)	Vantage Point Survey	4	01:00 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		Susan D

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
23/03/2016	Both (Overlap)	Vantage Point Survey	4	01:00 starting at 17:00	Wind Speed and Direction: Fresh Breeze, W; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		Susan D
21/04/2016	Breeding	Vantage Point Survey	4	01:00 starting at 06:00	wind speed and direction: Moderate Breeze, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		Susan D
21/04/2016	Breeding	Vantage Point Survey	4	01:00 starting at 07:00	wind speed and direction: Moderate Breeze, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None	Visibility: glare	Susan D
21/04/2016	Breeding	Vantage Point Survey	4	01:00 starting at 08:00	wind speed and direction: Moderate Breeze, ; visibility: Moderate (1-2km); Rain: None; Frost: None ; Snow: None	Visibility: Glare and haze	Susan D
21/04/2016	Breeding	Vantage Point Survey	4	01:00 starting at 09:30	wind speed and direction: Fresh Breeze, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None	2 T in the lake prior to beginning watch.	Susan D
21/04/2016	Breeding	Vantage Point Survey	4	01:00 starting at 10:30	wind speed and direction: Fresh Breeze, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		Susan D
21/04/2016	Breeding	Vantage Point Survey	4	01:00 starting at 11:30	wind speed and direction: Fresh Breeze, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		Susan D
21/04/2016	Breeding	Vantage Point Survey	4	01:00 starting at 12:40	wind speed and direction: Fresh Breeze, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None	Additional 3 hours of VP watch due to time missed in march 2016.	Susan D
21/04/2016	Breeding	Vantage Point Survey	4	01:00 starting at 13:40	wind speed and direction: Fresh Breeze, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None	2 T. present in pond to N of VP at end of survey.	Susan D

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
21/04/2016	Breeding	Vantage Point Survey	4	01:00 starting at 14:40	wind speed and direction:Fresh Breeze, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		Susan D
28/05/2016	Breeding	Vantage Point Survey	4	01:00 starting at 15:18	wind speed and direction:Calm, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		Sean M
28/05/2016	Breeding	Vantage Point Survey	4	01:00 starting at 16:18	wind speed and direction:Light Air, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		Sean M
28/05/2016	Breeding	Vantage Point Survey	4	01:00 starting at 17:18	wind speed and direction:Light Air, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		Sean M
28/05/2016	Breeding	Vantage Point Survey	4	01:00 starting at 18:18	wind speed and direction:Calm, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		Sean M
28/05/2016	Breeding	Vantage Point Survey	4	01:00 starting at 19:48	wind speed and direction:Light Breeze, ; visibility: Moderate (1-2km); Rain: Light Showers; Frost: None ; Snow: None		Sean M
28/05/2016	Breeding	Vantage Point Survey	4	01:00 starting at 20:48	wind speed and direction:Gentle Breeze, ; visibility: Moderate (1-2km); Rain: Light Showers; Frost: None ; Snow: None		Sean M
28/05/2016	Breeding	Vantage Point Survey	4	01:00 starting at 21:48	wind speed and direction:Light Air, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		Sean M
29/06/2016	Breeding	Vantage Point Survey	4	03:00 starting at 11:00	wind speed and direction:Moderate Breeze, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		Sean M
29/06/2016	Breeding	Vantage Point Survey	4	03:00 starting at 14:30	wind speed and direction:Gentle Breeze, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		Sean M

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
21/07/2016	Breeding	Vantage Point Survey	4	03:00 starting at 15:00	wind speed and direction:Gentle Breeze, ; visibility: Moderate (1-2km); Rain: Drizzle Mist; Frost: None ; Snow: None		Sean M
21/07/2016	Breeding	Vantage Point Survey	4	03:00 starting at 18:30	wind speed and direction:Gentle Breeze, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		Sean M
27/08/2016	Breeding	Vantage Point Survey	4	03:00 starting at 08:00	wind speed and direction:Moderate Breeze, ; visibility: Good (>2km); Rain: Light Showers; Frost: None ; Snow: None		Sean M
27/08/2016	Breeding	Vantage Point Survey	4	03:00 starting at 11:30	wind speed and direction:Gentle Breeze, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		Sean M
24/09/2016	Both (Overlap)	Vantage Point Survey	4	03:30 starting at 06:27	wind speed and direction:Moderate Breeze, S; visibility: Moderate (1-2km); Rain: None; Frost: None ; Snow: None		Sean M
24/09/2016	Both (Overlap)	Vantage Point Survey	4	03:30 starting at 10:27	wind speed and direction:Gentle Breeze, W; visibility: Moderate (1-2km); Rain: None; Frost: None ; Snow: None	Winds varied between southerly and easterly	Sean M
28/10/2016	Non-Breeding	Vantage Point Survey	4	01:00 starting at 07:30	wind speed and direction:Calm, SW; visibility: Moderate (1-2km); Rain: Drizzle Mist; Frost: None ; Snow: None		HH
28/10/2016	Non-Breeding	Vantage Point Survey	4	01:00 starting at 08:30	wind speed and direction:Light Air, SW; visibility: Moderate (1-2km); Rain: Drizzle Mist; Frost: None ; Snow: None		HH
28/10/2016	Non-Breeding	Vantage Point Survey	4	01:30 starting at 09:30	wind speed and direction:Light Breeze, SW; visibility: Moderate (1-2km); Rain: Drizzle Mist; Frost: None ; Snow: None	Added time on to compensate for a spell of poor visibility	HH

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
28/10/2016	Non-Breeding	Vantage Point Survey	4	01:30 starting at 11:00	wind speed and direction: Moderate Breeze, SW; visibility: Moderate (1-2km); Rain: Drizzle Mist; Frost: None ; Snow: None	Added time on to compensate for a spell of poor visibility	HH
28/10/2016	Non-Breeding	Vantage Point Survey	4	01:00 starting at 12:30	wind speed and direction: Moderate Breeze, SW; visibility: Moderate (1-2km); Rain: Drizzle Mist; Frost: None ; Snow: None		HH
28/10/2016	Non-Breeding	Vantage Point Survey	4	01:00 starting at 13:30	wind speed and direction: Moderate Breeze, SW; visibility: Moderate (1-2km); Rain: Drizzle Mist; Frost: None ; Snow: None		HH
15/11/2016	Non-Breeding	Vantage Point Survey	4	01:00 starting at 11:10	wind speed and direction: Light Air, NE; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None	Sunset 16:40	JOS
15/11/2016	Non-Breeding	Vantage Point Survey	4	01:00 starting at 12:10	wind speed and direction: Light Air, NE; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		JOS
15/11/2016	Non-Breeding	Vantage Point Survey	4	01:00 starting at 13:10	wind speed and direction: Gentle Breeze, NE; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None	Kestrel recorded during lunch break (likely same individual as reference 6). Flies low amongst conifers north of vp, heads sw, lands on spruce tree, perches ~10 minutes, then heads south west out of view.	JOS
15/11/2016	Non-Breeding	Vantage Point Survey	4	01:00 starting at 14:40	wind speed and direction: Gentle Breeze, NE; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None	No target species recorded during second part of survey.	JOS
15/11/2016	Non-Breeding	Vantage Point Survey	4	01:00 starting at 15:40	wind speed and direction: Calm, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		JOS
15/11/2016	Non-Breeding	Vantage Point Survey	4	01:00 starting at 16:40	wind speed and direction: Gentle Breeze, NE; visibility: Good (>2km);		JOS

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
					Rain: None; Frost: None ; Snow: None		
07/12/2016	Non-Breeding	Vantage Point Survey	4	01:00 starting at 07:30	wind speed and direction:Light Breeze, SW; visibility: Poor (<km); Rain: Drizzle Mist; Frost: None ; Snow: None		HH
07/12/2016	Non-Breeding	Vantage Point Survey	4	01:00 starting at 08:30	wind speed and direction:Light Breeze, SW; visibility: Moderate (1-2km); Rain: Drizzle Mist; Frost: None ; Snow: None		HH
07/12/2016	Non-Breeding	Vantage Point Survey	4	01:00 starting at 09:30	wind speed and direction:Light Breeze, SW; visibility: Moderate (1-2km); Rain: Drizzle Mist; Frost: None ; Snow: None		HH
07/12/2016	Non-Breeding	Vantage Point Survey	4	01:00 starting at 11:00	wind speed and direction:Light Breeze, SW; visibility: Moderate (1-2km); Rain: Drizzle Mist; Frost: None ; Snow: None		HH
07/12/2016	Non-Breeding	Vantage Point Survey	4	01:00 starting at 12:00	wind speed and direction:Light Breeze, SW; visibility: Moderate (1-2km); Rain: Drizzle Mist; Frost: None ; Snow: None	Visibility down to 2 at times due to mist	HH
07/12/2016	Non-Breeding	Vantage Point Survey	4	01:00 starting at 13:00	wind speed and direction:Light Breeze, SW; visibility: Moderate (1-2km); Rain: Drizzle Mist; Frost: None ; Snow: None		HH
10/01/2017	Non-Breeding	Vantage Point Survey	4	01:00 starting at 11:13	wind speed and direction:Gentle Breeze, SE; visibility: Good (>2km); Rain: None; Frost: ; Snow:		JOS
10/01/2017	Non-Breeding	Vantage Point Survey	4	01:00 starting at 12:13	wind speed and direction:Gentle Breeze, SE; visibility: Good (>2km); Rain: None; Frost: ; Snow:		JOS
10/01/2017	Non-Breeding	Vantage Point Survey	4	01:00 starting at 13:13	wind speed and direction:Moderate Breeze, SE; visibility: Good (>2km); Rain: None; Frost: ; Snow:		JOS

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
10/01/2017	Non-Breeding	Vantage Point Survey	4	01:00 starting at 14:43	wind speed and direction: Moderate Breeze, SE; visibility: Good (>2km); Rain: None; Frost: ; Snow:		JOS
10/01/2017	Non-Breeding	Vantage Point Survey	4	01:00 starting at 15:43	wind speed and direction: Gentle Breeze, SE; visibility: Good (>2km); Rain: None; Frost: ; Snow:	16:33 misty rain - visibility 1km.	JOS
10/01/2017	Non-Breeding	Vantage Point Survey	4	01:00 starting at 16:43	wind speed and direction: Gentle Breeze, SE; visibility: Good (>2km); Rain: None; Frost: ; Snow:		JOS
07/02/2017	Breeding	Vantage Point Survey	4	03:00 starting at 07:10	Wind Speed and Direction: Calm; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None		JOS
07/02/2017	Breeding	Vantage Point Survey	4	03:00 starting at 10:40	Wind Speed and Direction: Calm, N; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None		JOS
14/03/2017	Both (Overlap)	Vantage Point Survey	4	01:00 starting at 13:10	wind speed and direction: Fresh Breeze, NE; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		JOS
14/03/2017	Both (Overlap)	Vantage Point Survey	4	01:00 starting at 14:10	wind speed and direction: Strong Breeze, NE; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		JOS
14/03/2017	Both (Overlap)	Vantage Point Survey	4	01:00 starting at 15:10	wind speed and direction: Gentle Breeze, NE; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		JOS
14/03/2017	Both (Overlap)	Vantage Point Survey	4	01:00 starting at 16:40	wind speed and direction: Gentle Breeze, NE; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		JOS

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
14/03/2017	Both (Overlap)	Vantage Point Survey	4	01:00 starting at 17:40	wind speed and direction:Calm, NE; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		JOS
14/03/2017	Both (Overlap)	Vantage Point Survey	4	01:00 starting at 18:40	wind speed and direction:Calm, NE; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None	Sunset 18:38.	JOS
26/04/2017	Breeding	Vantage Point Survey	4	01:00 starting at 15:00	Wind Speed and Direction:Calm, N; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33 Rain: None; Frost: None ; Snow: None		DMCG
26/04/2017	Breeding	Vantage Point Survey	4	01:00 starting at 16:00	Wind Speed and Direction:Calm, N; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None		DMCG
26/04/2017	Breeding	Vantage Point Survey	4	01:00 starting at 17:00	Wind Speed and Direction:Calm, N; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66 Rain: Light Showers; Frost: None ; Snow: None	15:20- WEATHER CHANGED SIGNIFICANTLY. WIND = 2. CLOUD COVER = 100%. RAIN = 5. STOPPED BY 15:50	DMCG
26/04/2017	Breeding	Vantage Point Survey	4	01:00 starting at 18:58	Wind Speed and Direction:Light Air, N; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 100 Rain: Heavy Showers; Frost: None ; Snow: None		DMCG
26/04/2017	Breeding	Vantage Point Survey	4	01:00 starting at 19:58	Wind Speed and Direction:Calm, N; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None		DMCG
26/04/2017	Breeding	Vantage Point Survey	4	01:00 starting at 20:58	Wind Speed and Direction:Calm, N; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None		DMCG

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
15/05/2017	Breeding	Vantage Point Survey	4	01:00 starting at 16:00	Wind Speed and Direction:Gentle Breeze, S; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 100 Rain: Drizzle Mist; Frost: None ; Snow: None		DMCG
15/05/2017	Breeding	Vantage Point Survey	4	01:00 starting at 17:00	Wind Speed and Direction:Gentle Breeze, SE; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None		DMCG
15/05/2017	Breeding	Vantage Point Survey	4	01:00 starting at 18:00	Wind Speed and Direction:Light Breeze, S; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 100 Rain: Drizzle Mist; Frost: None ; Snow: None		DMCG
15/05/2017	Breeding	Vantage Point Survey	4	01:00 starting at 19:30	Wind Speed and Direction:Light Breeze, SE; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 100 Rain: Drizzle Mist; Frost: None ; Snow: None		DMCG
15/05/2017	Breeding	Vantage Point Survey	4	01:00 starting at 20:30	Wind Speed and Direction:Light Air, S; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None		DMCG
15/05/2017	Breeding	Vantage Point Survey	4	01:00 starting at 21:30	Wind Speed and Direction:Light Air, S; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 100 Rain: Drizzle Mist; Frost: None ; Snow: None		DMCG
28/06/2017	Breeding	Vantage Point Survey	4	01:30 starting at 11:15	Wind Speed and Direction:Calm; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JOS

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
05/07/2017	Breeding	Vantage Point Survey	4	01:00 starting at 09:10	Wind Speed and Direction:Light Air, S; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		DMcG
05/07/2017	Breeding	Vantage Point Survey	4	01:00 starting at 10:10	Wind Speed and Direction:Light Air, S; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		DMcG
05/07/2017	Breeding	Vantage Point Survey	4	01:00 starting at 11:10	Wind Speed and Direction:Light Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None		DMcG
05/07/2017	Breeding	Vantage Point Survey	4	01:00 starting at 12:40	Wind Speed and Direction:Light Air, S; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None		DMcG
05/07/2017	Breeding	Vantage Point Survey	4	01:00 starting at 13:40	Wind Speed and Direction:Light Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None		DMcG
05/07/2017	Breeding	Vantage Point Survey	4	01:00 starting at 14:40	Wind Speed and Direction:Light Breeze, S; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None		DMcG
10/08/2017	Breeding	Vantage Point Survey	4	01:00 starting at 07:30	Wind Speed and Direction:Calm, ; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	sunrise 06:08	JOS

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
10/08/2017	Breeding	Vantage Point Survey	4	01:00 starting at 08:30	Wind Speed and Direction:Light Air, ; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JOS
10/08/2017	Breeding	Vantage Point Survey	4	01:00 starting at 09:30	Wind Speed and Direction:Gentle Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JOS
10/08/2017	Breeding	Vantage Point Survey	4	01:00 starting at 11:00	Wind Speed and Direction:Gentle Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	No target species recorded.	JOS
25/08/2017	Breeding	Vantage Point Survey	4	01:00 starting at 12:30	Wind Speed and Direction:Gentle Breeze, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	No target species flightlines.	JOS
25/08/2017	Breeding	Vantage Point Survey	4	01:00 starting at 13:30	Wind Speed and Direction:Gentle Breeze, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	No target species flightlines.	JOS
18/09/2017	Breeding	Vantage Point Survey	4	01:00 starting at 14:14	Wind Speed and Direction:Gentle Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JOS
18/09/2017	Breeding	Vantage Point Survey	4	01:00 starting at 15:14	Wind Speed and Direction:Gentle Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JOS

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
18/09/2017	Breeding	Vantage Point Survey	4	01:00 starting at 16:14	Wind Speed and Direction:Gentle Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	No target species flightlines in part 1.	JOS
18/09/2017	Breeding	Vantage Point Survey	4	01:00 starting at 17:44	Wind Speed and Direction:Light Air, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JOS
18/09/2017	Breeding	Vantage Point Survey	4	01:00 starting at 18:44	Wind Speed and Direction:Light Air, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JOS
18/09/2017	Breeding	Vantage Point Survey	4	01:00 starting at 19:44	Wind Speed and Direction:Calm, ; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JOS
06/10/2017	Non-Breeding	Vantage Point Survey	4	01:00 starting at 06:46	Wind Speed and Direction:Calm, ; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JOS
06/10/2017	Non-Breeding	Vantage Point Survey	4	01:00 starting at 07:46	Wind Speed and Direction:Calm, ; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JOS
06/10/2017	Non-Breeding	Vantage Point Survey	4	01:00 starting at 08:46	Wind Speed and Direction:Calm, ; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JOS

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
06/10/2017	Non-Breeding	Vantage Point Survey	4	01:00 starting at 10:16	Wind Speed and Direction:Gentle Breeze, W; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JOS
06/10/2017	Non-Breeding	Vantage Point Survey	4	01:00 starting at 11:16	Wind Speed and Direction:Gentle Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JOS
06/10/2017	Non-Breeding	Vantage Point Survey	4	01:00 starting at 12:16	Wind Speed and Direction:Gentle Breeze, SW; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: Drizzle Mist; Frost: None ; Snow: None		JOS
23/11/2017	Non-BR	Vantage Point Survey	4	03:00 starting at 11:00	Wind Speed and Direction:Gentle Breeze, NW; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 10 Rain: None; Frost: None ; Snow: None		CP
23/11/2017	Non-BR	Vantage Point Survey	4	03:00 starting at 14:30	Wind Speed and Direction:Gentle Breeze, NW; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 25 Rain: None; Frost: None ; Snow: None		CP
15/12/2017	Non-BR	Vantage Point Survey	4	03:00 starting at 07:44	Wind Speed and Direction:Light Breeze, N; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 50 Rain: None; Frost: None ; Snow: None		CP
15/12/2017	Non-BR	Vantage Point Survey	4	03:00 starting at 11:14	Wind Speed and Direction:Light Breeze, N; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 50 Rain: None; Frost: None ; Snow: None		CP

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
30/01/2018	Non-breeding	Vantage Point Survey	4	03:00 starting at 11:44	Wind Speed and Direction:Light Breeze, SSW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None	Gloomy, but no rain.	CP
30/01/2018	Non-breeding	Vantage Point Survey	4	03:00 starting at 15:14	Wind Speed and Direction:Light Breeze, SSW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None	Gloomy, but no rain.	CP
16/02/2018	Non-Breeding	Vantage Point Survey	4	03:00 starting at 06:52	Wind Speed and Direction:Light Breeze, SE; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 70 Rain: Light Showers; Frost: None ; Snow: None		CP
16/02/2018	Non-Breeding	Vantage Point Survey	4	03:00 starting at 10:22	Wind Speed and Direction:Gentle Breeze, S; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 100 Rain: Light Showers; Frost: None ; Snow: None		CP
19/03/2018	Both (Overlap)	Vantage Point Survey	4	01:00 starting at 13:15	Wind Speed and Direction:Gentle Breeze, NE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-32 Rain: None; Frost: None ; Snow: None		JC
19/03/2018	Both (Overlap)	Vantage Point Survey	4	01:00 starting at 14:15	Wind Speed and Direction:Gentle Breeze, E; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-32 Rain: None; Frost: None ; Snow: None		JC
19/03/2018	Both (Overlap)	Vantage Point Survey	4	01:00 starting at 15:15	Wind Speed and Direction:Light Breeze, E; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-32 Rain: None; Frost: None ; Snow: None		JC

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
19/03/2018	Both (Overlap)	Vantage Point Survey	4	01:00 starting at 16:45	Wind Speed and Direction:Light Air, E; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-32 Rain: None; Frost: None ; Snow: None		JC
19/03/2018	Both (Overlap)	Vantage Point Survey	4	01:00 starting at 17:45	Wind Speed and Direction:Light Air, E; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-32 Rain: None; Frost: None ; Snow: None		JC
19/03/2018	Both (Overlap)	Vantage Point Survey	4	01:00 starting at 18:45	Wind Speed and Direction:Light Air, E; Visibility: Poor (<km); Cloud Height: >500m; Cloud Cover %: 0-32 Rain: None; Frost: None ; Snow: None		JC
21/03/2016	Both (Overlap)	Vantage Point Survey	5	01:00 starting at 15:00	Wind Speed and Direction:Gentle Breeze, NW; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None	1450 3MA flying around lake upon arrival at VP.	Susan D
21/03/2016	Both (Overlap)	Vantage Point Survey	5	01:00 starting at 16:00	Wind Speed and Direction:Gentle Breeze, NW; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None		Susan D
21/03/2016	Both (Overlap)	Vantage Point Survey	5	01:00 starting at 17:00	Wind Speed and Direction:Gentle Breeze, NW; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None		Susan D
22/03/2016	Both (Overlap)	Vantage Point Survey	5	01:00 starting at 15:45	Wind Speed and Direction:Moderate Breeze, SW; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None		Susan D

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
22/03/2016	Both (Overlap)	Vantage Point Survey	5	01:00 starting at 16:45	Wind Speed and Direction: Moderate Breeze, SW; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None		Susan D
22/03/2016	Both (Overlap)	Vantage Point Survey	5	01:00 starting at 17:45	Wind Speed and Direction: Moderate Breeze, SW; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None		Susan D
12/04/2016	Breeding	Vantage Point Survey	5	01:00 starting at 06:30	Wind Speed and Direction: Light Breeze, SE; Visibility: Moderate (1-2km); Cloud Height: <150m; Cloud Cover %: 33-66 Rain: Drizzle Mist; Frost: None ; Snow: None	Lots of activity from ducks (Ma and T). Flying around lake and likely to fly from other nearby waterbodies.	Susan D
12/04/2016	Breeding	Vantage Point Survey	5	01:00 starting at 07:30	Wind Speed and Direction: Light Breeze, SE; Visibility: Moderate (1-2km); Cloud Height: <150m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None	Quite misty at dawn.	Susan D
12/04/2016	Breeding	Vantage Point Survey	5	01:00 starting at 08:30	Wind Speed and Direction: Light Breeze, N; Visibility: Moderate (1-2km); Cloud Height: <150m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None		Susan D
12/04/2016	Breeding	Vantage Point Survey	5	01:00 starting at 10:00	Wind Speed and Direction: Light Breeze, N; Visibility: Moderate (1-2km); Cloud Height: <150m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None	Becoming quieter as day progresses.	Susan D
12/04/2016	Breeding	Vantage Point Survey	5	01:00 starting at 11:00	Wind Speed and Direction: Light Breeze, NW; Visibility: Moderate (1-2km); Cloud Height: <150m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None		Susan D

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
12/04/2016	Breeding	Vantage Point Survey	5	01:00 starting at 12:00	Wind Speed and Direction:Light Breeze, N; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None		Susan D
24/05/2016	Breeding	Vantage Point Survey	5	01:00 starting at 15:13	wind speed and direction:Light Air, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None	White-tailed eagle seen @ 16.49	Sean M
24/05/2016	Breeding	Vantage Point Survey	5	01:00 starting at 16:13	wind speed and direction:Light Air, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		Sean M
24/05/2016	Breeding	Vantage Point Survey	5	01:00 starting at 17:13	wind speed and direction:Light Air, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		Sean M
24/05/2016	Breeding	Vantage Point Survey	5	01:00 starting at 18:13	wind speed and direction:Light Air, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		Sean M
24/05/2016	Breeding	Vantage Point Survey	5	01:00 starting at 19:34	wind speed and direction:Light Air, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		Sean M
24/05/2016	Breeding	Vantage Point Survey	5	01:00 starting at 20:34	wind speed and direction:Light Breeze, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		Sean M
24/05/2016	Breeding	Vantage Point Survey	5	01:00 starting at 21:34	wind speed and direction:Light Breeze, ; visibility: Moderate (1-2km); Rain: None; Frost: None ; Snow: None		Sean M
15/06/2016	Breeding	Vantage Point Survey	5	03:00 starting at 08:00	wind speed and direction:Moderate Breeze, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		Sean M
15/06/2016	Breeding	Vantage Point Survey	5	03:00 starting at 11:30	wind speed and direction:Gentle Breeze, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		Sean M

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
22/07/2016	Breeding	Vantage Point Survey	5	03:00 starting at 11:00	wind speed and direction:Light Breeze, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		Sean M
22/07/2016	Breeding	Vantage Point Survey	5	03:00 starting at 14:30	wind speed and direction:Light Breeze, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		Sean M
25/08/2016	Breeding	Vantage Point Survey	5	03:00 starting at 09:30	wind speed and direction:Gentle Breeze, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		Sean M
25/08/2016	Breeding	Vantage Point Survey	5	03:00 starting at 13:00	wind speed and direction:Gentle Breeze, ; visibility: Good (>2km); Rain: Light Showers; Frost: None ; Snow: None		Sean M
29/09/2016	Both (Overlap)	Vantage Point Survey	5	04:00 starting at 12:46	wind speed and direction:Fresh Breeze, W; visibility: Moderate (1-2km); Rain: None; Frost: None ; Snow: None		Sean M
29/09/2016	Both (Overlap)	Vantage Point Survey	5	03:10 starting at 17:16	wind speed and direction:Moderate Breeze, W; visibility: Moderate (1-2km); Rain: None; Frost: None ; Snow: None		Sean M
18/10/2016	Non-Breeding	Vantage Point Survey	5	01:00 starting at 13:03	wind speed and direction:Gentle Breeze, SE; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None	Sunset:18:33	JOS
18/10/2016	Non-Breeding	Vantage Point Survey	5	01:00 starting at 14:03	wind speed and direction:Gentle Breeze, SE; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		JOS
18/10/2016	Non-Breeding	Vantage Point Survey	5	01:00 starting at 15:03	wind speed and direction:Gentle Breeze, SE; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		JOS

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
18/10/2016	Non-Breeding	Vantage Point Survey	5	01:00 starting at 16:33	wind speed and direction:Gentle Breeze, SE; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		JOS
18/10/2016	Non-Breeding	Vantage Point Survey	5	01:00 starting at 17:33	wind speed and direction:Gentle Breeze, SE; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		JOS
18/10/2016	Non-Breeding	Vantage Point Survey	5	01:00 starting at 18:33	wind speed and direction:Gentle Breeze, SW; visibility: Good (>2km); Rain: Light Showers; Frost: None ; Snow: None		JOS
10/11/2016	Non-Breeding	Vantage Point Survey	5	01:00 starting at 07:00	wind speed and direction:Calm, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		JOS
10/11/2016	Non-Breeding	Vantage Point Survey	5	01:00 starting at 08:16	wind speed and direction:Calm, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None	Hour two started at 08:16. Survey stopped 07:54 - 08:16 survey stopped due to disturbance from construction machinery. 08:50 rain shower, ends after five minutes.	JOS
10/11/2016	Non-Breeding	Vantage Point Survey	5	01:00 starting at 09:16	wind speed and direction:Calm, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		JOS
10/11/2016	Non-Breeding	Vantage Point Survey	5	01:00 starting at 10:46	wind speed and direction:Gentle Breeze, SE; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		JOS
10/11/2016	Non-Breeding	Vantage Point Survey	5	01:00 starting at 11:46	wind speed and direction:Moderate Breeze, SE; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		JOS
10/11/2016	Non-Breeding	Vantage Point Survey	5	01:00 starting at 12:46	wind speed and direction:Calm, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		JOS

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
05/12/2016	Non-Breeding	Vantage Point Survey	5	01:00 starting at 10:45	wind speed and direction:Light Air, S; visibility: Moderate (1-2km); Rain: None; Frost: None ; Snow: None		HH
05/12/2016	Non-Breeding	Vantage Point Survey	5	01:00 starting at 11:45	wind speed and direction:Light Air, S; visibility: Moderate (1-2km); Rain: None; Frost: None ; Snow: None		HH
05/12/2016	Non-Breeding	Vantage Point Survey	5	01:00 starting at 12:45	wind speed and direction:Light Air, S; visibility: Moderate (1-2km); Rain: None; Frost: None ; Snow: None		HH
05/12/2016	Non-Breeding	Vantage Point Survey	5	01:00 starting at 14:15	wind speed and direction:Calm, S; visibility: Moderate (1-2km); Rain: None; Frost: None ; Snow: None		HH
05/12/2016	Non-Breeding	Vantage Point Survey	5	01:00 starting at 15:15	wind speed and direction:Calm, S; visibility: Moderate (1-2km); Rain: Drizzle Mist; Frost: None ; Snow: None		HH
05/12/2016	Non-Breeding	Vantage Point Survey	5	01:00 starting at 16:15	wind speed and direction:Calm, S; visibility: Poor (<km); Rain: None; Frost: None ; Snow: None		HH
20/01/2017	Non-Breeding	Vantage Point Survey	5	01:00 starting at 08:20	wind speed and direction:Calm, ; visibility: Moderate (1-2km); Rain: None; Frost: ; Snow:	Survey started at 08:20 - delayed due to fog.	JOS
20/01/2017	Non-Breeding	Vantage Point Survey	5	01:00 starting at 09:20	wind speed and direction:Calm, ; visibility: Good (>2km); Rain: None; Frost: ; Snow:		JOS
20/01/2017	Non-Breeding	Vantage Point Survey	5	01:00 starting at 10:20	wind speed and direction:Calm, ; visibility: Good (>2km); Rain: None; Frost: ; Snow:		JOS
20/01/2017	Non-Breeding	Vantage Point Survey	5	01:00 starting at 11:50	wind speed and direction:Calm, ; visibility: Good (>2km); Rain: None; Frost: ; Snow:		JOS

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
20/01/2017	Non-Breeding	Vantage Point Survey	5	01:00 starting at 12:50	wind speed and direction:Calm, ; visibility: Good (>2km); Rain: None; Frost: ; Snow:		JOS
20/01/2017	Non-Breeding	Vantage Point Survey	5	01:00 starting at 13:50	wind speed and direction:Light Air, ; visibility: Good (>2km); Rain: None; Frost: ; Snow:		JOS
06/02/2017	Non-breeding	Vantage Point Survey	5	01:00 starting at 15:20	wind speed and direction:Strong Breeze, W; visibility: Good (>2km); Rain: Drizzle Mist; Frost: None ; Snow: None		AOD
06/02/2017	Non-breeding	Vantage Point Survey	5	01:00 starting at 16:20	wind speed and direction:Strong Breeze, W; visibility: Good (>2km); Rain: Drizzle Mist; Frost: None ; Snow: None		AOD
06/02/2017	Non-breeding	Vantage Point Survey	5	01:00 starting at 17:20	wind speed and direction:Fresh Breeze, W; visibility: Good (>2km); Rain: Light Showers; Frost: None ; Snow: None		AOD
08/02/2017	Non-breeding	Vantage Point Survey	5	01:00 starting at 12:05	wind speed and direction:Gentle Breeze, SE; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		AOD
08/02/2017	Non-breeding	Vantage Point Survey	5	01:00 starting at 13:05	wind speed and direction:Gentle Breeze, SE; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		AOD
08/02/2017	Non-breeding	Vantage Point Survey	5	01:00 starting at 14:05	wind speed and direction:Light Breeze, SE; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		AOD
30/03/2017	Non-Breeding	Vantage Point Survey	5	01:00 starting at 06:15	wind speed and direction:Light Breeze, SW; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		AOD
30/03/2017	Non-Breeding	Vantage Point Survey	5	01:00 starting at 07:15	wind speed and direction:Light Breeze, SW; visibility: Good (>2km);		AOD

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
					Rain: None; Frost: None ; Snow: None		
30/03/2017	Non-Breeding	Vantage Point Survey	5	01:00 starting at 08:15	wind speed and direction:Light Breeze, SW; visibility: Good (>2km); Rain: Light Showers; Frost: None ; Snow: None		AOD
30/03/2017	Non-Breeding	Vantage Point Survey	5	01:00 starting at 09:45	wind speed and direction:Gentle Breeze, SW; visibility: Good (>2km); Rain: Heavy Showers; Frost: None ; Snow: None		AOD
30/03/2017	Non-Breeding	Vantage Point Survey	5	01:00 starting at 10:45	wind speed and direction:Gentle Breeze, SW; visibility: Good (>2km); Rain: Drizzle Mist; Frost: None ; Snow: None		AOD
30/03/2017	Non-Breeding	Vantage Point Survey	5	01:00 starting at 11:45	wind speed and direction:Light Breeze, SW; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		AOD
10/04/2017	Breeding	Vantage Point Survey	5	01:00 starting at 15:00	Wind Speed and Direction:Calm, ; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JOS
10/04/2017	Breeding	Vantage Point Survey	5	01:00 starting at 16:00	Wind Speed and Direction:Light Air, ; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JOS
10/04/2017	Breeding	Vantage Point Survey	5	01:00 starting at 17:00	Wind Speed and Direction:Light Air, ; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JOS
10/04/2017	Breeding	Vantage Point Survey	5	01:00 starting at 18:30	Wind Speed and Direction:Gentle Breeze, SE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JOS

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
10/04/2017	Breeding	Vantage Point Survey	5	01:00 starting at 19:30	Wind Speed and Direction:Calm, ; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	Sunset 20:30	JOS
10/04/2017	Breeding	Vantage Point Survey	5	01:00 starting at 20:30	Wind Speed and Direction:Calm, ; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JOS
26/05/2017	Breeding	Vantage Point Survey	5	01:00 starting at 04:20	Wind Speed and Direction:Calm, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None		DMCG
26/05/2017	Breeding	Vantage Point Survey	5	01:00 starting at 05:20	Wind Speed and Direction:Light Air, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None		DMCG
26/05/2017	Breeding	Vantage Point Survey	5	01:00 starting at 06:20	Wind Speed and Direction:Light Air, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None		DMCG
26/05/2017	Breeding	Vantage Point Survey	5	01:00 starting at 07:50	Wind Speed and Direction:Light Air, N; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None		DMCG
26/05/2017	Breeding	Vantage Point Survey	5	01:00 starting at 08:50	Wind Speed and Direction:Calm, N; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None		DMCG

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
26/05/2017	Breeding	Vantage Point Survey	5	01:00 starting at 09:50	Wind Speed and Direction:Light Air, N; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 100 Rain: Drizzle Mist; Frost: None ; Snow: None		DMCG
07/06/2017	Breeding	Vantage Point Survey	5	01:00 starting at 09:22	Wind Speed and Direction:Calm, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None		DMcG
07/06/2017	Breeding	Vantage Point Survey	5	01:00 starting at 10:22	Wind Speed and Direction:Calm, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 100 Rain: Drizzle Mist; Frost: None ; Snow: None		DMcG
07/06/2017	Breeding	Vantage Point Survey	5	01:00 starting at 11:22	Wind Speed and Direction:Light Air, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None		DMcG
07/06/2017	Breeding	Vantage Point Survey	5	01:00 starting at 12:22	Wind Speed and Direction:Light Air, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None		DMcG
07/06/2017	Breeding	Vantage Point Survey	5	01:00 starting at 13:22	Wind Speed and Direction:Light Air, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None		DMcG
07/06/2017	Breeding	Vantage Point Survey	5	01:00 starting at 14:22	Wind Speed and Direction:Light Air, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None		DMcG

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
17/08/2017	Breeding	Vantage Point Survey	5	03:00 starting at 05:20	Wind Speed and Direction:Light Air, E; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: Heavy Showers; Frost: None ; Snow: None	No Birds	DMcG
17/08/2017	Breeding	Vantage Point Survey	5	03:00 starting at 08:50	Wind Speed and Direction:Light Air, E; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: Light Showers; Frost: None ; Snow: None	Occasional Showers. NO BIRDS	DMcG
25/08/2017	Breeding	Vantage Point Survey	5	01:00 starting at 10:20	Wind Speed and Direction:Light Air, ; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JOS
25/08/2017	Breeding	Vantage Point Survey	5	00:30 starting at 11:20	Wind Speed and Direction:Light Breeze, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	No target species flightlines.	JOS
11/09/2017	Breeding	Vantage Point Survey	5	01:00 starting at 14:30	Wind Speed and Direction:Moderate Breeze, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JOS
11/09/2017	Breeding	Vantage Point Survey	5	01:00 starting at 15:30	Wind Speed and Direction:Moderate Breeze, NW; Visibility: Moderate (1-2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: Light Showers; Frost: None ; Snow: None		JOS
11/09/2017	Breeding	Vantage Point Survey	5	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	No target species flightlines recorded in part 1.	JOS

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
11/09/2017	Breeding	Vantage Point Survey	5	01:00 starting at 18:02	Wind Speed and Direction: Moderate Breeze, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JOS
11/09/2017	Breeding	Vantage Point Survey	5	01:00 starting at 19:02	Wind Speed and Direction: Gentle Breeze, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JOS
11/09/2017	Breeding	Vantage Point Survey	5	01:00 starting at 20:02	Wind Speed and Direction: Calm, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None		JOS
01/10/2017	Non-Breeding	Vantage Point Survey	5	01:00 starting at 06:37	Wind Speed and Direction: Moderate Breeze, SW; Visibility: Moderate (1-2km); Cloud Height: <150m; Cloud Cover %: 66-100 Rain: Light Showers; Frost: None ; Snow: None		JOS
01/10/2017	Non-Breeding	Vantage Point Survey	5	01:00 starting at 07:37	Wind Speed and Direction: Moderate Breeze, SW; Visibility: Limited (<500m); Cloud Height: <150m; Cloud Cover %: 66-100 Rain: Drizzle Mist; Frost: None ; Snow: None	Survey paused 07:37 - poor visibility.	JOS
01/10/2017	Non-Breeding	Vantage Point Survey	5	01:00 starting at 08:37	Wind Speed and Direction: Moderate Breeze, SW; Visibility: Limited (<500m); Cloud Height: <150m; Cloud Cover %: 66-100 Rain: Drizzle Mist; Frost: None ; Snow: None		JOS
01/10/2017	Non-Breeding	Vantage Point Survey	5	01:00 starting at 10:50	Wind Speed and Direction: Moderate Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: Drizzle Mist; Frost: None ; Snow: None		JOS

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
01/10/2017	Non-Breeding	Vantage Point Survey	5	01:00 starting at 11:50	Wind Speed and Direction: Fresh Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: Light Showers; Frost: None ; Snow: None	Survey ended 12:50 due to poor visibility.	JOS
03/10/2017	Non-breeding	Vantage Point Survey	5	01:00 starting at 06:41	Wind Speed and Direction: Light Air, WNW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 90 Rain: None; Frost: None ; Snow: None	Only 4 hours undertaken as 2 previously done by Julie O'Sullivan	Sean Ronayne
03/10/2017	Non-breeding	Vantage Point Survey	5	01:00 starting at 07:41	Wind Speed and Direction: Light Air, WNW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 60 Rain: None; Frost: None ; Snow: None	Only 4 hours undertaken as 2 previously done by Julie O'Sullivan	Sean Ronayne
03/10/2017	Non-breeding	Vantage Point Survey	5	01:00 starting at 08:41	Wind Speed and Direction: Light Air, WNW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 85 Rain: None; Frost: None ; Snow: None	Only 4 hours undertaken as 2 previously done by Julie O'Sullivan	Sean Ronayne
03/10/2017	Non-breeding	Vantage Point Survey	5	01:00 starting at 09:41	Wind Speed and Direction: Light Breeze, WNW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 40 Rain: None; Frost: None ; Snow: None	Only 4 hours undertaken as 2 previously done by Julie O'Sullivan	Sean Ronayne
16/11/2017	Non-BR	Vantage Point Survey	5	03:00 starting at 11:09	Wind Speed and Direction: Light Air, NW; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 50 Rain: None; Frost: None ; Snow: None		CP
16/11/2017	Non-BR	Vantage Point Survey	5	03:00 starting at 14:39	Wind Speed and Direction: Light Air, NW; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 50 Rain: None; Frost: None ; Snow: None		CP

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
15/12/2017	Non-breeding	Vantage Point Survey	5	03:00 starting at 07:44	Wind Speed and Direction: Moderate Breeze, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None		S Meehan
15/12/2017	Non-breeding	Vantage Point Survey	5	03:00 starting at 11:14	Wind Speed and Direction: Gentle Breeze, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None		S Meehan
17/01/2018	Non-breeding	Vantage Point Survey	5	03:00 starting at 11:20	Wind Speed and Direction: Light Breeze, W; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None		CP
17/01/2018	Non-breeding	Vantage Point Survey	5	03:00 starting at 14:50	Wind Speed and Direction: Light Breeze, W; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 100 Rain: Light Showers; Frost: None ; Snow: None		CP
18/02/2018	Non-Breeding	Vantage Point Survey	5	03:00 starting at 06:48	Wind Speed and Direction: Light Air, SW; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 100 Rain: Drizzle Mist; Frost: None ; Snow: None		CP
18/02/2018	Non-Breeding	Vantage Point Survey	5	03:00 starting at 10:18	Wind Speed and Direction: Light Air, SW; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 100 Rain: Drizzle Mist; Frost: None ; Snow: None		CP
29/03/2018	Both (Overlap)	Vantage Point Survey	5	01:00 starting at 14:33	Wind Speed and Direction: Calm, NE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	Machinery disturbance until 19:00	JC

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
29/03/2018	Both (Overlap)	Vantage Point Survey	5	01:00 starting at 15:33	Wind Speed and Direction:Calm, NE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JC
29/03/2018	Both (Overlap)	Vantage Point Survey	5	01:00 starting at 16:33	Wind Speed and Direction:Calm, NE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JC
29/03/2018	Both (Overlap)	Vantage Point Survey	5	01:00 starting at 18:03	Wind Speed and Direction:Light Air, NE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JC
29/03/2018	Both (Overlap)	Vantage Point Survey	5	01:00 starting at 19:03	Wind Speed and Direction:Light Air, NE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JC
29/03/2018	Both (Overlap)	Vantage Point Survey	5	01:00 starting at 20:03	Wind Speed and Direction:Light Air, NE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JC
23/03/2016	Both (Overlap)	Vantage Point Survey	6	01:00 starting at 08:00	Wind Speed and Direction:Moderate Breeze, SW; Visibility: Moderate (1-2km); Cloud Height: <150m; Cloud Cover %: 33-66 Rain: Heavy Showers; Frost: None ; Snow: None	MP and S. Singing/flying/displaying/foraging in the area throughout survey	Susan D
23/03/2016	Both (Overlap)	Vantage Point Survey	6	01:00 starting at 09:00	Wind Speed and Direction:Moderate Breeze, SW; Visibility: Moderate (1-2km); Cloud Height: <150m; Cloud Cover %: 33-66 Rain: Drizzle Mist; Frost: None ; Snow: None		Susan D

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
23/03/2016	Both (Overlap)	Vantage Point Survey	6	01:00 starting at 10:00	Wind Speed and Direction: Moderate Breeze, S; Visibility: Moderate (1-2km); Cloud Height: <150m; Cloud Cover %: 66-100 Rain: Drizzle Mist; Frost: None ; Snow: None		Susan D
23/03/2016	Both (Overlap)	Vantage Point Survey	6	01:00 starting at 11:05	Wind Speed and Direction: Fresh Breeze, S; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: Drizzle Mist; Frost: None ; Snow: None		Susan D
23/03/2016	Both (Overlap)	Vantage Point Survey	6	01:00 starting at 12:05	Wind Speed and Direction: Fresh Breeze, S; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		Susan D
23/03/2016	Both (Overlap)	Vantage Point Survey	6	01:10 starting at 13:05	Wind Speed and Direction: Fresh Breeze, W; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None		Susan D
13/04/2016	Breeding	Vantage Point Survey	6	01:00 starting at 14:30	Wind Speed and Direction: Moderate Breeze, N; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None	Lots of construction traffic approx. 70m behind VP (high disturbance). Sheep also grazing in field (low disturbance). Most activity from MP and S over bog.	Susan D
13/04/2016	Breeding	Vantage Point Survey	6	01:00 starting at 15:30	Wind Speed and Direction: Moderate Breeze, N; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None		Susan D
13/04/2016	Breeding	Vantage Point Survey	6	01:00 starting at 16:30	wind speed and direction: Fresh Breeze, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		Susan D
13/04/2016	Breeding	Vantage Point Survey	6	01:00 starting at 17:45	wind speed and direction: Gentle Breeze, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		Susan D

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
13/04/2016	Breeding	Vantage Point Survey	6	01:00 starting at 18:45	wind speed and direction:Gentle Breeze, ; visibility: Moderate (1-2km); Rain: Heavy Showers; Frost: None ; Snow: None		Susan D
13/04/2016	Breeding	Vantage Point Survey	6	01:00 starting at 19:45	wind speed and direction:Gentle Breeze, ; visibility: Good (>2km); Rain: Drizzle Mist; Frost: None ; Snow: None		Susan D
24/03/2016	Both (Overlap)	Vantage Point Survey	7	01:00 starting at 08:00	Wind Speed and Direction:Strong Breeze, W; Visibility: Moderate (1-2km); Cloud Height: <150m; Cloud Cover %: 66-100 Rain: Light Showers; Frost: None ; Snow: None	0750 - 2 Mallard flushed from lake en route to VP.	Susan D
24/03/2016	Both (Overlap)	Vantage Point Survey	7	01:00 starting at 09:00	Wind Speed and Direction:Strong Breeze, W; Visibility: Moderate (1-2km); Cloud Height: <150m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		Susan D
24/03/2016	Both (Overlap)	Vantage Point Survey	7	01:00 starting at 10:00	Wind Speed and Direction:Strong Breeze, W; Visibility: Moderate (1-2km); Cloud Height: <150m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		Susan D
24/03/2016	Both (Overlap)	Vantage Point Survey	7	01:00 starting at 11:15	Wind Speed and Direction:Strong Breeze, W; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		Susan D
24/03/2016	Both (Overlap)	Vantage Point Survey	7	01:00 starting at 12:15	Wind Speed and Direction:Strong Breeze, W; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		Susan D
24/03/2016	Both (Overlap)	Vantage Point Survey	7	01:00 starting at 13:15	Wind Speed and Direction:Strong Breeze, W; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None		Susan D

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
14/04/2016	Breeding	Vantage Point Survey	7	01:00 starting at 14:30	wind speed and direction: Moderate Breeze, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None	No target species flightlines recorded, but T. audible behind VP on 2 occasions. Mallard (female) flushed from roadside drain on forestry track leading to VP.	Susan D
14/04/2016	Breeding	Vantage Point Survey	7	01:00 starting at 15:30	wind speed and direction: Moderate Breeze, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		Susan D
14/04/2016	Breeding	Vantage Point Survey	7	01:00 starting at 16:30	wind speed and direction: Fresh Breeze, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		Susan D
14/04/2016	Breeding	Vantage Point Survey	7	01:00 starting at 17:45	wind speed and direction: Fresh Breeze, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None	Little activity.	Susan D
14/04/2016	Breeding	Vantage Point Survey	7	01:00 starting at 18:45	wind speed and direction: Moderate Breeze, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		Susan D
14/04/2016	Breeding	Vantage Point Survey	7	01:00 starting at 19:45	wind speed and direction: Moderate Breeze, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		Susan D
16/05/2016	Breeding	Vantage Point Survey	7	01:00 starting at 04:35	wind speed and direction: Light Air, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None	Snipe drumming in adjacent areas	Sean M
16/05/2016	Breeding	Vantage Point Survey	7	01:00 starting at 05:35	wind speed and direction: Light Air, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		Sean M
16/05/2016	Breeding	Vantage Point Survey	7	01:00 starting at 06:35	wind speed and direction: Light Air, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		Sean M

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
16/05/2016	Breeding	Vantage Point Survey	7	01:00 starting at 09:05	wind speed and direction:Light Breeze, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		Sean M
16/05/2016	Breeding	Vantage Point Survey	7	01:00 starting at 10:05	wind speed and direction:Light Breeze, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		Sean M
16/05/2016	Breeding	Vantage Point Survey	7	01:00 starting at 11:05	wind speed and direction:Gentle Breeze, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		Sean M
28/06/2016	Breeding	Vantage Point Survey	7	03:00 starting at 12:30	wind speed and direction:Gentle Breeze, ; visibility: Moderate (1-2km); Rain: Light Showers; Frost: None ; Snow: None		Sean M
28/06/2016	Breeding	Vantage Point Survey	7	03:00 starting at 16:00	wind speed and direction:Moderate Breeze, ; visibility: Good (>2km); Rain: Heavy Showers; Frost: None ; Snow: None	Showers were short-lived	Sean M
27/07/2016	Breeding	Vantage Point Survey	7	03:00 starting at 12:00	wind speed and direction:Gentle Breeze, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		Sean M
27/07/2016	Breeding	Vantage Point Survey	7	03:00 starting at 15:30	wind speed and direction:Gentle Breeze, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		Sean M
01/09/2016	Breeding	Vantage Point Survey	7	03:00 starting at 07:00	wind speed and direction:Light Breeze, ; visibility: Moderate (1-2km); Rain: Light Showers; Frost: None ; Snow: None	AUGUST SURVEY	Sean M
01/09/2016	Breeding	Vantage Point Survey	7	03:00 starting at 10:30	wind speed and direction:Light Breeze, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None	AUGUST SURVEY	Sean M

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
25/09/2016	Both (Overlap)	Vantage Point Survey	7	04:00 starting at 12:56	wind speed and direction: Moderate Breeze, SW; visibility: Poor (<km); Rain: Light Showers; Frost: None ; Snow: None	Light showers throughout	Sean M
25/09/2016	Both (Overlap)	Vantage Point Survey	7	03:00 starting at 17:26	wind speed and direction: Gentle Breeze, SW; visibility: Moderate (1-2km); Rain: None; Frost: None ; Snow: None		Sean M
18/10/2016	Non-Breeding	Vantage Point Survey	7	01:00 starting at 13:40	wind speed and direction: Gentle Breeze, W; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		HH
18/10/2016	Non-Breeding	Vantage Point Survey	7	01:00 starting at 14:40	wind speed and direction: Gentle Breeze, W; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		HH
18/10/2016	Non-Breeding	Vantage Point Survey	7	01:00 starting at 15:40	wind speed and direction: Gentle Breeze, W; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		HH
18/10/2016	Non-Breeding	Vantage Point Survey	7	01:00 starting at 16:40	wind speed and direction: Gentle Breeze, W; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		HH
18/10/2016	Non-Breeding	Vantage Point Survey	7	01:00 starting at 17:40	wind speed and direction: Gentle Breeze, W; visibility: Moderate (1-2km); Rain: Drizzle Mist; Frost: None ; Snow: None		HH
18/10/2016	Non-Breeding	Vantage Point Survey	7	01:00 starting at 18:40	wind speed and direction: Gentle Breeze, W; visibility: Poor (<km); Rain: Drizzle Mist; Frost: None ; Snow: None		HH
11/11/2016	Non-Breeding	Vantage Point Survey	7	01:00 starting at 06:55	Wind Speed and Direction: S; Visibility: ; Cloud Height: ; Cloud Cover %: 66-100 Rain: ; Frost: None ; Snow: None		JH

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
11/11/2016	Non-Breeding	Vantage Point Survey	7	01:00 starting at 07:55	Wind Speed and Direction:, SE; Visibility: ; Cloud Height: ; Cloud Cover %: 66-100 Rain: ; Frost: None ; Snow: None		JH
11/11/2016	Non-Breeding	Vantage Point Survey	7	01:00 starting at 08:55	Wind Speed and Direction:, SE; Visibility: ; Cloud Height: ; Cloud Cover %: 66-100 Rain: ; Frost: None ; Snow: None		JH
11/11/2016	Non-Breeding	Vantage Point Survey	7	01:00 starting at 10:25	Wind Speed and Direction:, S; Visibility: ; Cloud Height: ; Cloud Cover %: 66-100 Rain: ; Frost: None ; Snow: None		JH
11/11/2016	Non-Breeding	Vantage Point Survey	7	01:00 starting at 11:25	Wind Speed and Direction:, SE; Visibility: ; Cloud Height: ; Cloud Cover %: 66-100 Rain: ; Frost: None ; Snow: None		JH
11/11/2016	Non-Breeding	Vantage Point Survey	7	01:00 starting at 12:25	Wind Speed and Direction:, S; Visibility: ; Cloud Height: ; Cloud Cover %: 66-100 Rain: ; Frost: None ; Snow: None		JH
08/12/2016	Non-Breeding	Vantage Point Survey	7	01:00 starting at 10:45	wind speed and direction:Light Air, SW; visibility: Moderate (1-2km); Rain: Drizzle Mist; Frost: On site; Snow: None		HH
08/12/2016	Non-Breeding	Vantage Point Survey	7	01:00 starting at 11:45	wind speed and direction:Light Air, SW; visibility: Moderate (1-2km); Rain: Drizzle Mist; Frost: On site; Snow: None		HH
08/12/2016	Non-Breeding	Vantage Point Survey	7	01:00 starting at 12:45	wind speed and direction:Light Air, SW; visibility: Good (>2km); Rain: None; Frost: On site; Snow: None		HH
08/12/2016	Non-Breeding	Vantage Point Survey	7	01:00 starting at 14:15	wind speed and direction:Light Air, SW; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		HH
08/12/2016	Non-Breeding	Vantage Point Survey	7	01:00 starting at 15:15	wind speed and direction:Light Air, SW; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		HH

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
08/12/2016	Non-Breeding	Vantage Point Survey	7	01:00 starting at 16:15	wind speed and direction:Light Air, SW; visibility: Moderate (1-2km); Rain: None; Frost: None ; Snow: None		HH
26/01/2017	Non-Breeding	Vantage Point Survey	7	01:00 starting at 07:30	wind speed and direction:Fresh Breeze, NE; visibility: Good (>2km); Rain: None; Frost: ; Snow:		JOS
26/01/2017	Non-Breeding	Vantage Point Survey	7	01:00 starting at 08:30	wind speed and direction:Strong Breeze, NE; visibility: Good (>2km); Rain: None; Frost: ; Snow:		JOS
26/01/2017	Non-Breeding	Vantage Point Survey	7	01:00 starting at 09:30	wind speed and direction:Strong Breeze, NE; visibility: Good (>2km); Rain: None; Frost: ; Snow:	No target species recorded in part 1	JOS
26/01/2017	Non-Breeding	Vantage Point Survey	7	01:00 starting at 11:00	wind speed and direction:Fresh Breeze, NE; visibility: Good (>2km); Rain: Light Showers; Frost: ; Snow:		JOS
26/01/2017	Non-Breeding	Vantage Point Survey	7	01:00 starting at 12:00	wind speed and direction:Fresh Breeze, NE; visibility: Good (>2km); Rain: Light Showers; Frost: ; Snow:		JOS
26/01/2017	Non-Breeding	Vantage Point Survey	7	01:00 starting at 13:00	wind speed and direction:Fresh Breeze, NE; visibility: Good (>2km); Rain: None; Frost: ; Snow:		JOS
07/02/2017	Non-breeding	Vantage Point Survey	7	01:00 starting at 13:20	wind speed and direction:Gentle Breeze, NW; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		AOD
07/02/2017	Non-breeding	Vantage Point Survey	7	01:00 starting at 14:20	wind speed and direction:Light Breeze, NW; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		AOD
07/02/2017	Non-breeding	Vantage Point Survey	7	01:00 starting at 15:20	wind speed and direction:Light Breeze, NW; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		AOD

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
07/02/2017	Non-breeding	Vantage Point Survey	7	01:00 starting at 16:50	wind speed and direction:Light Breeze, NW; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		AOD
07/02/2017	Non-breeding	Vantage Point Survey	7	01:00 starting at 17:50	wind speed and direction:Light Breeze, NW; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		AOD
29/03/2017	Both (Overlap)	Vantage Point Survey	7	01:00 starting at 06:15	wind speed and direction:Gentle Breeze, NW; visibility: Good (>2km); Rain: None; Frost: ; Snow:		JOS
29/03/2017	Both (Overlap)	Vantage Point Survey	7	01:00 starting at 07:15	wind speed and direction:Gentle Breeze, NW; visibility: Good (>2km); Rain: None; Frost: ; Snow:		JOS
29/03/2017	Both (Overlap)	Vantage Point Survey	7	01:00 starting at 08:15	wind speed and direction:Gentle Breeze, NW; visibility: Good (>2km); Rain: None; Frost: ; Snow:		JOS
29/03/2017	Both (Overlap)	Vantage Point Survey	7	01:00 starting at 09:45	wind speed and direction:Gentle Breeze, NW; visibility: Good (>2km); Rain: None; Frost: ; Snow:		JOS
29/03/2017	Both (Overlap)	Vantage Point Survey	7	01:00 starting at 10:45	wind speed and direction:Gentle Breeze, NW; visibility: Good (>2km); Rain: None; Frost: ; Snow:		JOS
29/03/2017	Both (Overlap)	Vantage Point Survey	7	01:00 starting at 11:45	wind speed and direction:Gentle Breeze, NW; visibility: Good (>2km); Rain: None; Frost: ; Snow:	NO TARGET SPCIS RECORDED IN SECOND PART OF SURVEY.	JOS
12/04/2017	Breeding	Vantage Point Survey	7	01:00 starting at 15:03	Wind Speed and Direction:Light Air, N; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None		DMCG
12/04/2017	Breeding	Vantage Point Survey	7	01:00 starting at 16:03	Wind Speed and Direction:Gentle Breeze, N; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None		DMCG

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
12/04/2017	Breeding	Vantage Point Survey	7	01:00 starting at 17:03	Wind Speed and Direction:Light Breeze, N; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None		DMCG
12/04/2017	Breeding	Vantage Point Survey	7	01:00 starting at 18:33	Wind Speed and Direction:Light Breeze, N; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None		DMCG
12/04/2017	Breeding	Vantage Point Survey	7	01:00 starting at 19:33	Wind Speed and Direction:Light Air, N; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None		DMCG
12/04/2017	Breeding	Vantage Point Survey	7	01:00 starting at 20:33	Wind Speed and Direction:Light Breeze, N; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None		DMCG
31/05/2017	Breeding	Vantage Point Survey	7	03:00 starting at 05:00	Wind Speed and Direction:Light Air, N; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		DMcG
31/05/2017	Breeding	Vantage Point Survey	7	03:00 starting at 08:30	Wind Speed and Direction:Light Air, N; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		DMcG
07/06/2017	Breeding	Vantage Point Survey	7	01:00 starting at 09:50	Wind Speed and Direction:Gentle Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JOS

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
07/06/2017	Breeding	Vantage Point Survey	7	01:00 starting at 10:50	Wind Speed and Direction:Gentle Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JOS
07/06/2017	Breeding	Vantage Point Survey	7	01:00 starting at 11:50	Wind Speed and Direction:Gentle Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: Light Showers; Frost: None ; Snow: None		JOS
07/06/2017	Breeding	Vantage Point Survey	7	01:00 starting at 13:20	Wind Speed and Direction:Gentle Breeze, SW; Visibility: Moderate (1-2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: Light Showers; Frost: None ; Snow: None		JOS
07/06/2017	Breeding	Vantage Point Survey	7	01:00 starting at 14:20	Wind Speed and Direction:Gentle Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: Light Showers; Frost: None ; Snow: None		JOS
07/06/2017	Breeding	Vantage Point Survey	7	01:00 starting at 15:20	Wind Speed and Direction:Gentle Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: Light Showers; Frost: None ; Snow: None		JOS
11/07/2017	Breeding	Vantage Point Survey	7	01:00 starting at 10:00	Wind Speed and Direction:Light Breeze, W; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None		DMcG
11/07/2017	Breeding	Vantage Point Survey	7	01:00 starting at 11:00	Wind Speed and Direction:Light Breeze, NW; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 100 Rain: Drizzle Mist; Frost: None ; Snow: None		DMcG

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
11/07/2017	Breeding	Vantage Point Survey	7	01:00 starting at 12:00	Wind Speed and Direction:Light Air, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 100 Rain: Drizzle Mist; Frost: None ; Snow: None		DMcG
11/07/2017	Breeding	Vantage Point Survey	7	01:00 starting at 13:30	Wind Speed and Direction:Light Breeze, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		DMcG
11/07/2017	Breeding	Vantage Point Survey	7	01:00 starting at 14:30	Wind Speed and Direction:Gentle Breeze, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		DMcG
11/07/2017	Breeding	Vantage Point Survey	7	01:00 starting at 15:30	Wind Speed and Direction:Light Breeze, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None		DMcG
18/08/2017	Breeding	Vantage Point Survey	7	03:00 starting at 08:51	Wind Speed and Direction:Light Breeze, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		DMcG
18/08/2017	Breeding	Vantage Point Survey	7	03:00 starting at 05:21	Wind Speed and Direction:Light Air, W; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: Light Showers; Frost: None ; Snow: None	Occasional Showers. NO BIRDS	DMcG
14/09/2017	Breeding	Vantage Point Survey	7	01:00 starting at 14:24	Wind Speed and Direction:Moderate Breeze, ; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JOS

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
14/09/2017	Breeding	Vantage Point Survey	7	01:00 starting at 15:24	Wind Speed and Direction: Moderate Breeze, ; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JOS
14/09/2017	Breeding	Vantage Point Survey	7	01:00 starting at 16:24	Wind Speed and Direction: Moderate Breeze, ; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JOS
14/09/2017	Breeding	Vantage Point Survey	7	01:00 starting at 17:54	Wind Speed and Direction: Moderate Breeze, ; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None		JOS
14/09/2017	Breeding	Vantage Point Survey	7	01:00 starting at 18:54	Wind Speed and Direction: Calm, ; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None		JOS
14/09/2017	Breeding	Vantage Point Survey	7	01:00 starting at 19:54	Wind Speed and Direction: Calm, ; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None		JOS
25/10/2017	Non-Breeding	Vantage Point Survey	7	01:00 starting at 07:20	Wind Speed and Direction: Light Air, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66 Rain: Light Showers; Frost: None ; Snow: None		JOS
25/10/2017	Non-Breeding	Vantage Point Survey	7	01:00 starting at 08:20	Wind Speed and Direction: Light Air, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66 Rain: Light Showers; Frost: None ; Snow: None		JOS

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
25/10/2017	Non-Breeding	Vantage Point Survey	7	01:00 starting at 09:20	Wind Speed and Direction: Light Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66 Rain: None; Frost: None; Snow: None	No target species recorded in part 1.	JOS
25/10/2017	Non-Breeding	Vantage Point Survey	7	01:00 starting at 10:50	Wind Speed and Direction: Moderate Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None; Snow: None		JOS
25/10/2017	Non-Breeding	Vantage Point Survey	7	01:00 starting at 11:50	Wind Speed and Direction: Gentle Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: Light Showers; Frost: None; Snow: None		JOS
25/10/2017	Non-Breeding	Vantage Point Survey	7	01:00 starting at 12:50	Wind Speed and Direction: Moderate Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None; Snow: None		JOS
21/11/2017	Non Breeding	Vantage Point Survey	7	03:00 starting at 11:15	Wind Speed and Direction: Moderate Breeze, SW; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: Light Showers; Frost: None; Snow: None		JK
21/11/2017	Non Breeding	Vantage Point Survey	7	03:00 starting at 14:35	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		JK
20/12/2017	Non-breeding	Vantage Point Survey	7	03:00 starting at 07:48	Wind Speed and Direction: Light Breeze, NW; Visibility: Poor (<km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: Drizzle Mist; Frost: None; Snow: None	Misty conditions cleared throughout the morning resulting in better visibility	S Meehan

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
20/12/2017	Non-breeding	Vantage Point Survey	7	03:00 starting at 11:18	Wind Speed and Direction:Gentle Breeze, E; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: Light Showers; Frost: None ; Snow: None	Wind shift to the east brought better visibility and lifted the mist somewhat	S Meehan
28/01/2018	Non-breeding	Vantage Point Survey	7	03:00 starting at 11:40	Wind Speed and Direction:Moderate Breeze, W; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 100 Rain: Drizzle Mist; Frost: None ; Snow: None		CP
28/01/2018	Non-breeding	Vantage Point Survey	7	03:00 starting at 15:10	Wind Speed and Direction:Moderate Breeze, W; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 100 Rain: Drizzle Mist; Frost: None ; Snow: None		CP
19/02/2018	Non-Breeding	Vantage Point Survey	7	03:00 starting at 06:46	Wind Speed and Direction:Light Air, SW; Visibility: Moderate (1-2km); Cloud Height: <150m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None		CP
19/02/2018	Non-Breeding	Vantage Point Survey	7	03:00 starting at 10:16	Wind Speed and Direction:Light Breeze, SW; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None		CP
27/03/2018	Both (Overlap)	Vantage Point Survey	7	01:00 starting at 14:30	Wind Speed and Direction:Light Air, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JC
27/03/2018	Both (Overlap)	Vantage Point Survey	7	01:00 starting at 15:30	Wind Speed and Direction:Light Air, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JC

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
27/03/2018	Both (Overlap)	Vantage Point Survey	7	01:00 starting at 16:30	Wind Speed and Direction:Light Breeze, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JC
27/03/2018	Both (Overlap)	Vantage Point Survey	7	01:00 starting at 18:00	Wind Speed and Direction:Calm, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JC
27/03/2018	Both (Overlap)	Vantage Point Survey	7	01:00 starting at 19:00	Wind Speed and Direction:Calm, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JC
27/03/2018	Both (Overlap)	Vantage Point Survey	7	01:00 starting at 20:00	Wind Speed and Direction:Calm, W; Visibility: Poor (<km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JC
14/03/2016	Both (Overlap)	Vantage Point Survey	8	01:00 starting at 12:00	Wind Speed and Direction:Moderate Breeze, SW; Visibility: Moderate (1-2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	Windy on top of hill. Frequent observations of K. and RN using updrafts around hill, particularly to the E side, allowing them to hover. S. and MP activity is highest. Hare droppings noted on hill en route to VP.	Susan D
14/03/2016	Both (Overlap)	Vantage Point Survey	8	01:00 starting at 13:00	Wind Speed and Direction:Moderate Breeze, SW; Visibility: Moderate (1-2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		Susan D
14/03/2016	Both (Overlap)	Vantage Point Survey	8	01:00 starting at 15:00	Wind Speed and Direction:Moderate Breeze, SW; Visibility: Moderate (1-2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		Susan D

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
14/03/2016	Both (Overlap)	Vantage Point Survey	8	01:00 starting at 15:30	Wind Speed and Direction: Moderate Breeze, SW; Visibility: Moderate (1-2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	2 MA (male and female) flushed from small pond on path on return from VP. Fly toward study area (1837).	Susan D
14/03/2016	Both (Overlap)	Vantage Point Survey	8	01:00 starting at 16:30	Wind Speed and Direction: Moderate Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	Windy on hill.	Susan D
14/03/2016	Both (Overlap)	Vantage Point Survey	8	01:00 starting at 17:30	Wind Speed and Direction: Fresh Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		Susan D
19/04/2016	Breeding	Vantage Point Survey	8	01:00 starting at 06:20	wind speed and direction: Calm, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None	Slight late start as gates to site were locked. Hare dropping around VP.	Susan D
19/04/2016	Breeding	Vantage Point Survey	8	01:00 starting at 07:20	wind speed and direction: Light Air, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		Susan D
19/04/2016	Breeding	Vantage Point Survey	8	01:00 starting at 08:20	wind speed and direction: Light Air, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		Susan D
19/04/2016	Breeding	Vantage Point Survey	8	01:00 starting at 09:45	wind speed and direction: Gentle Breeze, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		Susan D
19/04/2016	Breeding	Vantage Point Survey	8	01:00 starting at 10:45	wind speed and direction: Moderate Breeze, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		Susan D
19/04/2016	Breeding	Vantage Point Survey	8	01:00 starting at 11:45	wind speed and direction: Gentle Breeze, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		Susan D

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
18/05/2016	Breeding	Vantage Point Survey	8	01:00 starting at 15:04	wind speed and direction:Light Breeze, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None	White-tailed eagle seen @ 17.19-17.24	Sean M
18/05/2016	Breeding	Vantage Point Survey	8	01:00 starting at 16:04	wind speed and direction:Light Breeze, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		Sean M
18/05/2016	Breeding	Vantage Point Survey	8	01:00 starting at 17:04	wind speed and direction:Light Breeze, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		Sean M
18/05/2016	Breeding	Vantage Point Survey	8	01:00 starting at 18:04	wind speed and direction:Light Breeze, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		Sean M
18/05/2016	Breeding	Vantage Point Survey	8	01:00 starting at 19:34	wind speed and direction:Light Breeze, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		Sean M
18/05/2016	Breeding	Vantage Point Survey	8	01:00 starting at 20:34	wind speed and direction:Light Breeze, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		Sean M
18/05/2016	Breeding	Vantage Point Survey	8	01:00 starting at 21:34	wind speed and direction:Light Air, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		Sean M
13/06/2016	Breeding	Vantage Point Survey	8	03:00 starting at 08:00	wind speed and direction:Moderate Breeze, ; visibility: Good (>2km); Rain: Light Showers; Frost: None ; Snow: None		Sean M
13/06/2016	Breeding	Vantage Point Survey	8	03:00 starting at 11:30	wind speed and direction:Gentle Breeze, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		Sean M

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
20/07/2016	Breeding	Vantage Point Survey	8	03:00 starting at 08:00	wind speed and direction: Moderate Breeze, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		Sean M
20/07/2016	Breeding	Vantage Point Survey	8	03:00 starting at 11:30	wind speed and direction: Moderate Breeze, ; visibility: Good (>2km); Rain: Drizzle Mist; Frost: None ; Snow: None		Sean M
18/08/2016	Breeding	Vantage Point Survey	8	03:00 starting at 08:00	wind speed and direction: Moderate Breeze, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		Sean M
18/08/2016	Breeding	Vantage Point Survey	8	03:00 starting at 11:30	wind speed and direction: Gentle Breeze, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		Sean M
22/09/2016	Both (Overlap)	Vantage Point Survey	8	04:00 starting at 06:24	wind speed and direction: Fresh Breeze, SW; visibility: Moderate (1-2km); Rain: Light Showers; Frost: None ; Snow: None	Light showers throughout	Sean M
22/09/2016	Both (Overlap)	Vantage Point Survey	8	03:00 starting at 10:54	wind speed and direction: Moderate Breeze, S; visibility: Moderate (1-2km); Rain: Drizzle Mist; Frost: None ; Snow: None		Sean M
27/10/2016	Non-Breeding	Vantage Point Survey	8	01:00 starting at 07:26	wind speed and direction: Moderate Gale, NW; visibility: Good (>2km); Rain: Drizzle Mist; Frost: None ; Snow: None	07:48 - misty rain makes visibility less than 1km.	JOS
27/10/2016	Non-Breeding	Vantage Point Survey	8	01:00 starting at 08:26	wind speed and direction: Moderate Gale, NW; visibility: Good (>2km); Rain: Drizzle Mist; Frost: None ; Snow: None	08:52 - rain stops - visibility improves to 2km. 09:02 - misty rain - visibility moderate - 1km. Survey stopped after 2 hours due to poor visibility. No target species recorded. No secondary species recorded.	JOS

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
02/11/2016	Non-Breeding	Vantage Point Survey	8	01:00 starting at 09:30	wind speed and direction:Calm, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None	Sunrise 07:37. October	JOS
02/11/2016	Non-Breeding	Vantage Point Survey	8	01:00 starting at 10:30	wind speed and direction:Calm, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None	October	JOS
02/11/2016	Non-Breeding	Vantage Point Survey	8	01:00 starting at 11:30	wind speed and direction:Gentle Breeze, SE; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None	No target species recorded. October	JOS
02/11/2016	Non-Breeding	Vantage Point Survey	8	01:00 starting at 13:00	wind speed and direction:Calm, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None	No target species recorded. October	JOS
09/11/2016	Non-Breeding	Vantage Point Survey	8	01:00 starting at 11:00	wind speed and direction:Fresh Breeze, W; visibility: Good (>2km); Rain: Drizzle Mist; Frost: None ; Snow: None		HH
09/11/2016	Non-Breeding	Vantage Point Survey	8	01:00 starting at 12:00	wind speed and direction:Fresh Breeze, W; visibility: Good (>2km); Rain: Drizzle Mist; Frost: None ; Snow: None		HH
09/11/2016	Non-Breeding	Vantage Point Survey	8	01:00 starting at 13:00	wind speed and direction:Fresh Breeze, W; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		HH
09/11/2016	Non-Breeding	Vantage Point Survey	8	01:00 starting at 14:50	wind speed and direction:Fresh Breeze, W; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		HH
09/11/2016	Non-Breeding	Vantage Point Survey	8	01:00 starting at 15:50	wind speed and direction:Fresh Breeze, W; visibility: Good (>2km); Rain: Drizzle Mist; Frost: None ; Snow: None		HH
09/11/2016	Non-Breeding	Vantage Point Survey	8	01:00 starting at 16:50	wind speed and direction:Strong Breeze, W; visibility: Moderate (1-2km); Rain: Drizzle Mist; Frost: None ; Snow: None		HH

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
07/12/2016	Non-Breeding	Vantage Point Survey	8	00:45 starting at 07:45	wind speed and direction: Moderate Gale, ; visibility: Poor (<km); Rain: Heavy Showers; Frost: None ; Snow: None	Survey ended after 45 minutes due to fog. Visibility <500m. No target species or secondary species recorded.	JOS
09/12/2016	Non-Breeding	Vantage Point Survey	8	01:00 starting at 07:40	wind speed and direction: Fresh Breeze, SW; visibility: Poor (<km); Rain: None; Frost: None ; Snow: None		HH
09/12/2016	Non-Breeding	Vantage Point Survey	8	01:00 starting at 08:40	wind speed and direction: Fresh Breeze, SW; visibility: Moderate (1-2km); Rain: None; Frost: None ; Snow: None		HH
09/12/2016	Non-Breeding	Vantage Point Survey	8	01:00 starting at 09:40	wind speed and direction: Fresh Breeze, SW; visibility: Moderate (1-2km); Rain: None; Frost: None ; Snow: None		HH
09/12/2016	Non-Breeding	Vantage Point Survey	8	01:00 starting at 11:10	wind speed and direction: Fresh Breeze, SW; visibility: Moderate (1-2km); Rain: None; Frost: None ; Snow: None		HH
09/12/2016	Non-Breeding	Vantage Point Survey	8	01:00 starting at 12:10	wind speed and direction: Fresh Breeze, SW; visibility: Moderate (1-2km); Rain: Drizzle Mist; Frost: None ; Snow: None		HH
09/12/2016	Non-Breeding	Vantage Point Survey	8	01:00 starting at 13:10	wind speed and direction: Fresh Breeze, SW; visibility: Moderate (1-2km); Rain: Drizzle Mist; Frost: None ; Snow: None		HH
09/01/2017	Non-Breeding	Vantage Point Survey	8	01:00 starting at 11:10	wind speed and direction: Strong Breeze, NE; visibility: Good (>2km); Rain: None; Frost: ; Snow:	No target species recorded. Sunset 16:39.	JOS
09/01/2017	Non-Breeding	Vantage Point Survey	8	01:00 starting at 12:10	wind speed and direction: Strong Breeze, NE; visibility: Good (>2km); Rain: Light Showers; Frost: ; Snow:	12:08 - 12:12 light rain shower visibility 1km for the duration. 12:50 - 12:56 light misty rain, visibility 1km for the duration.	JOS

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
09/01/2017	Non-Breeding	Vantage Point Survey	8	01:00 starting at 13:10	wind speed and direction:Strong Breeze, NE; visibility: Moderate (1-2km); Rain: Light Showers; Frost: ; Snow:		JOS
09/01/2017	Non-Breeding	Vantage Point Survey	8	01:00 starting at 14:39	wind speed and direction:Strong Breeze, NE; visibility: Moderate (1-2km); Rain: Heavy Showers; Frost: ; Snow:	15:00 - 15:13 - rain shower.	JOS
09/01/2017	Non-Breeding	Vantage Point Survey	8	01:00 starting at 15:39	wind speed and direction:Strong Breeze, NE; visibility: Moderate (1-2km); Rain: Light Showers; Frost: ; Snow:	16:04 - light misty rain; visibility becomes 1km. 16:28 survey ended due to poor visibility <500m.	JOS
06/02/2017	Non-Breeding	Vantage Point Survey	8	01:00 starting at 07:11	wind speed and direction:Strong Breeze, N; visibility: Good (>2km); Rain: None; Frost: ; Snow:	07:45 - rain; light shower - visibility 2km.	JOS
06/02/2017	Non-Breeding	Vantage Point Survey	8	01:00 starting at 08:11	wind speed and direction:Strong Breeze, N; visibility: Good (>2km); Rain: None; Frost: ; Snow:		JOS
06/02/2017	Non-Breeding	Vantage Point Survey	8	01:00 starting at 09:11	wind speed and direction:Strong Breeze, N; visibility: Good (>2km); Rain: None; Frost: ; Snow:	No target species recorded during first part of survey. Incidentals: red grouse flushed from bog by track 10:28	JOS
10/02/2017	Non-Breeding	Vantage Point Survey	8	01:00 starting at 10:50	wind speed and direction:Calm, ; visibility: Good (>2km); Rain: None; Frost: ; Snow:		JOS
10/02/2017	Non-Breeding	Vantage Point Survey	8	01:00 starting at 11:50	wind speed and direction:Calm, ; visibility: Good (>2km); Rain: None; Frost: ; Snow:	Weather hour 2: slight hazy glare from sun; visibility remains good 2km.	JOS
10/02/2017	Non-Breeding	Vantage Point Survey	8	00:30 starting at 12:50	wind speed and direction:Calm, ; visibility: Good (>2km); Rain: None; Frost: ; Snow:	No target species recorded.	JOS
06/03/2017	Both (Overlap)	Vantage Point Survey	8	01:00 starting at 13:20	wind speed and direction:Moderate Breeze, SE; visibility: Good (>2km); Rain: Light Showers; Frost: ; Snow:		JOS

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
06/03/2017	Both (Overlap)	Vantage Point Survey	8	01:00 starting at 14:20	wind speed and direction: Moderate Breeze, SE; visibility: Good (>2km); Rain: None; Frost: ; Snow:		JOS
06/03/2017	Both (Overlap)	Vantage Point Survey	8	01:00 starting at 15:20	wind speed and direction: Fresh Breeze, SE; visibility: Good (>2km); Rain: Light Showers; Frost: ; Snow:	No target species recorded. Sunset 18:24	JOS
06/03/2017	Both (Overlap)	Vantage Point Survey	8	01:00 starting at 16:50	wind speed and direction: Strong Breeze, SE; visibility: Good (>2km); Rain: None; Frost: ; Snow:	17:40 rain; visibility 500m, 17:46 visibility 1-2km. Rain lighter. Survey ended at 17:50 - no target species recorded.	JOS
21/03/2017	Both (Overlap)	Vantage Point Survey	8	01:00 starting at 17:45	wind speed and direction: Calm, ; visibility: Good (>2km); Rain: Light Showers; Frost: None ; Snow: None	No target species recorded.	JOS
21/03/2017	Both (Overlap)	Vantage Point Survey	8	01:00 starting at 18:45	wind speed and direction: Calm, ; visibility: Good (>2km); Rain: Light Showers; Frost: None ; Snow: None		JOS
21/03/2017	Both (Overlap)	Vantage Point Survey	8	00:20 starting at 19:45	wind speed and direction: Calm, ; visibility: Good (>2km); Rain: Light Showers; Frost: None ; Snow: None		JOS
20/04/2017	Breeding	Vantage Point Survey	8	01:00 starting at 05:30	Wind Speed and Direction: Light Air, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None		DMCG
20/04/2017	Breeding	Vantage Point Survey	8	01:00 starting at 06:30	Wind Speed and Direction: Calm, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None		DMCG
20/04/2017	Breeding	Vantage Point Survey	8	01:00 starting at 07:30	Wind Speed and Direction: Calm, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None		DMCG

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
21/04/2017	Breeding	Vantage Point Survey	8	01:00 starting at 09:00	Wind Speed and Direction:Calm, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None		DMCG
21/04/2017	Breeding	Vantage Point Survey	8	01:00 starting at 10:00	Wind Speed and Direction:Light Air, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None		DMCG
21/04/2017	Breeding	Vantage Point Survey	8	01:00 starting at 11:00	Wind Speed and Direction:Light Air, N; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None		DMCG
02/05/2017	Breeding	Vantage Point Survey	8	01:00 starting at 15:30	Wind Speed and Direction:Light Breeze, N; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None		DMCG
02/05/2017	Breeding	Vantage Point Survey	8	01:00 starting at 16:30	Wind Speed and Direction:Light Breeze, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None		DMCG
02/05/2017	Breeding	Vantage Point Survey	8	01:00 starting at 17:30	Wind Speed and Direction:Gentle Breeze, N; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		DMCG
02/05/2017	Breeding	Vantage Point Survey	8	01:00 starting at 19:08	Wind Speed and Direction:Gentle Breeze, NE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None		DMCG

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
02/05/2017	Breeding	Vantage Point Survey	8	01:00 starting at 20:08	Wind Speed and Direction:Gentle Breeze, N; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None		DMCG
02/05/2017	Breeding	Vantage Point Survey	8	01:00 starting at 21:08	Wind Speed and Direction:Gentle Breeze, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None		DMCG
06/06/2017	Breeding	Vantage Point Survey	8	01:00 starting at 09:09	Wind Speed and Direction:Light Breeze, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None		DMCG
06/06/2017	Breeding	Vantage Point Survey	8	01:00 starting at 10:09	Wind Speed and Direction:Gentle Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 100 Rain: Drizzle Mist; Frost: None ; Snow: None		DMCG
06/06/2017	Breeding	Vantage Point Survey	8	01:00 starting at 11:09	Wind Speed and Direction:Light Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None		DMCG
06/06/2017	Breeding	Vantage Point Survey	8	01:00 starting at 12:39	Wind Speed and Direction:Light Breeze, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66 - 100 Rain: None; Frost: None ; Snow: None		DMCG
06/06/2017	Breeding	Vantage Point Survey	8	01:00 starting at 13:39	Wind Speed and Direction:Gentle Breeze, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 100 Rain: Drizzle Mist; Frost: None ; Snow: None		DMCG

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
06/06/2017	Breeding	Vantage Point Survey	8	01:00 starting at 14:39	Wind Speed and Direction:Light Air, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66 - 100 Rain: None; Frost: None ; Snow: None		DMCG
12/07/2017	Breeding	Vantage Point Survey	8	01:00 starting at 10:30	Wind Speed and Direction:Calm, N; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None		DMcG
12/07/2017	Breeding	Vantage Point Survey	8	01:00 starting at 11:30	Wind Speed and Direction:Light Air, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None		DMcG
12/07/2017	Breeding	Vantage Point Survey	8	01:00 starting at 12:30	Wind Speed and Direction:Gentle Breeze, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		DMcG
12/07/2017	Breeding	Vantage Point Survey	8	01:00 starting at 14:00	Wind Speed and Direction:Light Breeze, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		DMcG
12/07/2017	Breeding	Vantage Point Survey	8	01:00 starting at 15:00	Wind Speed and Direction:Gentle Breeze, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None		DMcG
12/07/2017	Breeding	Vantage Point Survey	8	01:00 starting at 16:00	Wind Speed and Direction:Gentle Breeze, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		DMcG

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
08/08/2017	Breeding	Vantage Point Survey	8	01:00 starting at 05:05	Wind Speed and Direction:Calm, N; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		DMcG
08/08/2017	Breeding	Vantage Point Survey	8	01:00 starting at 06:05	Wind Speed and Direction:Calm, N; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		DMcG
08/08/2017	Breeding	Vantage Point Survey	8	01:00 starting at 07:05	Wind Speed and Direction:Calm, N; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 100 Rain: Light Showers; Frost: None ; Snow: None		DMcG
08/08/2017	Breeding	Vantage Point Survey	8	01:00 starting at 08:35	Wind Speed and Direction:Calm, N; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: Light Showers; Frost: None ; Snow: None		DMcG
08/08/2017	Breeding	Vantage Point Survey	8	01:00 starting at 09:35	Wind Speed and Direction:Light Air, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: Drizzle Mist; Frost: None ; Snow: None		DMcG
08/08/2017	Breeding	Vantage Point Survey	8	01:00 starting at 10:35	Wind Speed and Direction:Light Air, N; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		DMcG
22/09/2017	Breeding	Vantage Point Survey	8	01:00 starting at 14:03	Wind Speed and Direction:Moderate Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JOS

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
22/09/2017	Breeding	Vantage Point Survey	8	01:00 starting at 15:03	Wind Speed and Direction: Moderate Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JOS
22/09/2017	Breeding	Vantage Point Survey	8	01:00 starting at 16:03	Wind Speed and Direction: Moderate Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	No target species flightlines.	JOS
22/09/2017	Breeding	Vantage Point Survey	8	01:00 starting at 17:34	Wind Speed and Direction: Gentle Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None		JOS
22/09/2017	Breeding	Vantage Point Survey	8	01:00 starting at 18:34	Wind Speed and Direction: Gentle Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None		JOS
22/09/2017	Breeding	Vantage Point Survey	8	01:00 starting at 19:34	Wind Speed and Direction: Gentle Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None	No target species flightlines.	JOS
05/10/2017	Non-breeding	Vantage Point Survey	8	01:00 starting at 06:45	Wind Speed and Direction: Light Breeze, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 50 Rain: None; Frost: None ; Snow: None		Sean Ronayne
05/10/2017	Non-breeding	Vantage Point Survey	8	01:00 starting at 07:45	Wind Speed and Direction: Light Breeze, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 40 Rain: None; Frost: None ; Snow: None		Sean Ronayne

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
05/10/2017	Non-breeding	Vantage Point Survey	8	01:00 starting at 08:45	Wind Speed and Direction:Light Breeze, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 40 Rain: None; Frost: None ; Snow: None		Sean Ronayne
05/10/2017	Non-breeding	Vantage Point Survey	8	01:00 starting at 10:15	Wind Speed and Direction:Light Breeze, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 25 Rain: None; Frost: None ; Snow: None		Sean Ronayne
05/10/2017	Non-breeding	Vantage Point Survey	8	01:00 starting at 11:15	Wind Speed and Direction:Light Breeze, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 65 Rain: None; Frost: None ; Snow: None		Sean Ronayne
05/10/2017	Non-breeding	Vantage Point Survey	8	01:00 starting at 12:15	Wind Speed and Direction:Light Breeze, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 55 Rain: None; Frost: None ; Snow: None		Sean Ronayne
16/11/2017	Non Breeding	Vantage Point Survey	8	03:00 starting at 11:30	Wind Speed and Direction:Moderate Breeze, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None		JK
16/11/2017	Non Breeding	Vantage Point Survey	8	03:00 starting at 14:40	Wind Speed and Direction:Moderate Breeze, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None		JK
16/12/2017	Non-breeding	Vantage Point Survey	8	03:00 starting at 07:45	Wind Speed and Direction:Moderate Breeze, NW; Visibility: Moderate (1-2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: Light Showers; Frost: None ; Snow: None		S Meehan

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
16/12/2017	Non-breeding	Vantage Point Survey	8	03:00 starting at 11:15	Wind Speed and Direction: Moderate Breeze, NW; Visibility: Moderate (1-2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: Light Showers; Frost: None ; Snow: None		S Meehan
18/01/2018	Non-breeding	Vantage Point Survey	8	03:00 starting at 11:21	Wind Speed and Direction: Gentle Breeze, WSW; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 50 Rain: None; Frost: None ; Snow: None	Sunny intervals and some glare problems.	CP
18/01/2018	Non-breeding	Vantage Point Survey	8	03:00 starting at 14:51	Wind Speed and Direction: Gentle Breeze, WSW; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 50 Rain: Light Showers; Frost: None ; Snow: None	Sunny intervals and some glare problems.	CP
15/02/2018	Non-Breeding	Vantage Point Survey	8	03:00 starting at 06:54	Wind Speed and Direction: Moderate Breeze, SW; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 50 Rain: Light Showers; Frost: None ; Snow: Ground	Sunny intervals	CP
15/02/2018	Non-Breeding	Vantage Point Survey	8	03:00 starting at 10:24	Wind Speed and Direction: Moderate Breeze, S; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 50 Rain: Light Showers; Frost: None ; Snow: Ground	Sunny intervals	CP
07/03/2018	Non-Breeding	Vantage Point Survey	8	03:00 starting at 12:53	Wind Speed and Direction: Moderate Breeze, SW; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 33 Rain: None; Frost: None ; Snow: None	Sunny intervals	CP
07/03/2018	Non-Breeding	Vantage Point Survey	8	03:00 starting at 16:23	Wind Speed and Direction: Moderate Breeze, SW; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 66 Rain: None; Frost: None ; Snow: None	Sunny intervals	CP

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
18/03/2016	Both (Overlap)	Vantage Point Survey	9	01:00 starting at 07:15	Wind Speed and Direction:Light Air, E; Visibility: Moderate (1-2km); Cloud Height: <150m; Cloud Cover %: 0-33 Rain: None; Frost: On site; Snow: None	Misty Hours 1-3. Present on site from 6.45, start delayed due to heavy mist. Little activity on site. MA using lakes and rivers adjacent to site. Red fox passed VP at 9.45. Uncertain if come from study area or from another direction.	Susan D
18/03/2016	Both (Overlap)	Vantage Point Survey	9	01:00 starting at 08:15	Wind Speed and Direction:Light Breeze, E; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None		Susan D
18/03/2016	Both (Overlap)	Vantage Point Survey	9	01:00 starting at 09:15	Wind Speed and Direction:Light Breeze, E; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None		Susan D
18/03/2016	Both (Overlap)	Vantage Point Survey	9	01:00 starting at 10:15	Wind Speed and Direction:Light Air, N; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None	Little activity, gulls and ducks using lake and river adjacent to study area (w of VP). Cormorant on lake drying wings NE of VP (observed at 1325, upon leaving VP).	Susan D
18/03/2016	Both (Overlap)	Vantage Point Survey	9	01:00 starting at 11:15	Wind Speed and Direction:Gentle Breeze, N; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None		Susan D
18/03/2016	Both (Overlap)	Vantage Point Survey	9	01:00 starting at 12:15	Wind Speed and Direction:Gentle Breeze, N; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None		Susan D
07/04/2016	Breeding	Vantage Point Survey	9	01:00 starting at 14:00	Wind Speed and Direction:Fresh Breeze, W; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 0-33 Rain: Light Showers; Frost: None ; Snow: None	Most target species observed are adjacent to study area boundary, but not within. CA observed in lake en route to VP - likely same individual as that of flightline 1.	Susan D

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
07/04/2016	Breeding	Vantage Point Survey	9	01:00 starting at 15:00	Wind Speed and Direction: Fresh Breeze, W; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 0-33 Rain: Light Showers; Frost: None ; Snow: None		Susan D
07/04/2016	Breeding	Vantage Point Survey	9	01:00 starting at 16:00	Wind Speed and Direction: Fresh Breeze, S; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: Light Showers; Frost: None ; Snow: None		Susan D
07/04/2016	Breeding	Vantage Point Survey	9	01:00 starting at 17:30	Wind Speed and Direction: Moderate Breeze, S; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	No target species flightlies - target species observed in flight outside study area.	Susan D
07/04/2016	Breeding	Vantage Point Survey	9	01:00 starting at 18:30	Wind Speed and Direction: Light Breeze, S; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		Susan D
07/04/2016	Breeding	Vantage Point Survey	9	01:00 starting at 19:30	Wind Speed and Direction: Light Breeze, SE; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 33-66 Rain: Drizzle Mist; Frost: None ; Snow: None	Visibility: Glare and haze	Susan D
19/05/2016	Breeding	Vantage Point Survey	9	01:00 starting at 10:00	wind speed and direction: Light Breeze, ; visibility: Poor (<km); Rain: None; Frost: None ; Snow: None	Heavy rain and mist up until 09.00hrs	Sean M
19/05/2016	Breeding	Vantage Point Survey	9	01:00 starting at 11:00	wind speed and direction: Gentle Breeze, ; visibility: Moderate (1-2km); Rain: None; Frost: None ; Snow: None		Sean M
19/05/2016	Breeding	Vantage Point Survey	9	01:00 starting at 12:00	wind speed and direction: Light Breeze, ; visibility: Moderate (1-2km); Rain: None; Frost: None ; Snow: None		Sean M

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
19/05/2016	Breeding	Vantage Point Survey	9	01:00 starting at 13:00	wind speed and direction:Light Breeze, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		Sean M
20/05/2016	Breeding	Vantage Point Survey	9	01:00 starting at 04:30	wind speed and direction:Calm, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		Sean M
20/05/2016	Breeding	Vantage Point Survey	9	01:00 starting at 05:30	wind speed and direction:Calm, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		Sean M
20/05/2016	Breeding	Vantage Point Survey	9	01:00 starting at 06:30	wind speed and direction:Calm, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		Sean M
14/06/2016	Breeding	Vantage Point Survey	9	03:00 starting at 07:00	wind speed and direction:Moderate Breeze, ; visibility: Good (>2km); Rain: Light Showers; Frost: None ; Snow: None		Sean M
14/06/2016	Breeding	Vantage Point Survey	9	03:00 starting at 10:30	wind speed and direction:Moderate Breeze, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None	WTE seen to the southwest @ 12.10pm	Sean M
14/07/2016	Breeding	Vantage Point Survey	9	03:00 starting at 08:00	wind speed and direction:Gentle Breeze, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		Sean M
14/07/2016	Breeding	Vantage Point Survey	9	03:00 starting at 11:30	wind speed and direction:Moderate Breeze, ; visibility: Moderate (1-2km); Rain: Light Showers; Frost: None ; Snow: None		Sean M
19/08/2016	Breeding	Vantage Point Survey	9	03:00 starting at 08:00	wind speed and direction:Gentle Breeze, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		Sean M
19/08/2016	Breeding	Vantage Point Survey	9	03:00 starting at 11:30	wind speed and direction:Gentle Breeze, ; visibility: Good (>2km);		Sean M

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
					Rain: None; Frost: None ; Snow: None		
20/09/2016	Both (Overlap)	Vantage Point Survey	9	04:00 starting at 13:08	wind speed and direction: Moderate Breeze, S; visibility: Moderate (1-2km); Rain: Drizzle Mist; Frost: None ; Snow: None	Light shower at 14.30	Sean M
20/09/2016	Both (Overlap)	Vantage Point Survey	9	03:00 starting at 17:38	wind speed and direction: Gentle Breeze, SW; visibility: Moderate (1-2km); Rain: None; Frost: None ; Snow: None		Sean M
17/10/2016	Non-Breeding	Vantage Point Survey	9	01:00 starting at 13:30	wind speed and direction: Moderate Breeze, NE; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		JOS
17/10/2016	Non-Breeding	Vantage Point Survey	9	01:00 starting at 14:30	wind speed and direction: Strong Breeze, NE; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None	15:47 - rain - visibility 1km. 16:08 rain stops - visibility 2km. No secondary species recorded - vp off site.	JOS
17/10/2016	Non-Breeding	Vantage Point Survey	9	01:00 starting at 15:30	wind speed and direction: Strong Breeze, NE; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		JOS
17/10/2016	Non-Breeding	Vantage Point Survey	9	01:00 starting at 17:35	wind speed and direction: Gentle Breeze, NE; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None	No secondary species recorded, vp off site.	JOS
17/10/2016	Non-Breeding	Vantage Point Survey	9	01:00 starting at 18:35	wind speed and direction: Gentle Breeze, NE; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		JOS
17/10/2016	Non-Breeding	Vantage Point Survey	9	01:00 starting at 19:35	wind speed and direction: Gentle Breeze, NE; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		JOS
10/11/2016	Non-Breeding	Vantage Point Survey	9	01:00 starting at 06:50	wind speed and direction: Light Air, N; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		JH

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
10/11/2016	Non-Breeding	Vantage Point Survey	9	01:00 starting at 07:50	wind speed and direction:Gentle Breeze, NE; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		JH
10/11/2016	Non-Breeding	Vantage Point Survey	9	01:00 starting at 08:50	wind speed and direction:Light Breeze, NE; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		JH
10/11/2016	Non-Breeding	Vantage Point Survey	9	01:00 starting at 10:20	wind speed and direction:Calm, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		JH
10/11/2016	Non-Breeding	Vantage Point Survey	9	01:00 starting at 11:20	wind speed and direction:Calm, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		JH
10/11/2016	Non-Breeding	Vantage Point Survey	9	01:00 starting at 12:20	wind speed and direction:Light Breeze, N; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		JH
06/12/2016	Non-Breeding	Vantage Point Survey	9	01:00 starting at 10:50	wind speed and direction:Strong Breeze, NW; visibility: Moderate (1-2km); Rain: Heavy Showers; Frost: None ; Snow: None	11:27 - Rain eases off. 11:47 - rain stops - visibility 2km.	JOS
06/12/2016	Non-Breeding	Vantage Point Survey	9	01:00 starting at 11:50	wind speed and direction:Strong Breeze, NW; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		JOS
06/12/2016	Non-Breeding	Vantage Point Survey	9	01:00 starting at 12:50	wind speed and direction:Strong Breeze, NW; visibility: Moderate (1-2km); Rain: Light Showers; Frost: None ; Snow: None		JOS
06/12/2016	Non-Breeding	Vantage Point Survey	9	01:00 starting at 14:20	wind speed and direction:Gentle Breeze, NW; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		JOS
06/12/2016	Non-Breeding	Vantage Point Survey	9	01:00 starting at 15:20	wind speed and direction:Gentle Breeze, NW; visibility: Good (>2km);		JOS

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
					Rain: Light Showers; Frost: None ; Snow: None		
06/12/2016	Non-Breeding	Vantage Point Survey	9	01:00 starting at 16:20	wind speed and direction:Gentle Breeze, NW; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None	16:47 - rain starts; heavy shower, visibility 1km. 16:52 - rain heavier; visibility becomes 500m	JOS
18/01/2017	Non-Breeding	Vantage Point Survey	9	01:00 starting at 07:55	wind speed and direction:Calm, ; visibility: Good (>2km); Rain: None; Frost: ; Snow:		JOS
18/01/2017	Non-Breeding	Vantage Point Survey	9	01:00 starting at 08:55	wind speed and direction:Light Air, ; visibility: Good (>2km); Rain: None; Frost: ; Snow:		JOS
18/01/2017	Non-Breeding	Vantage Point Survey	9	01:00 starting at 09:55	wind speed and direction:Calm, ; visibility: Good (>2km); Rain: None; Frost: ; Snow:		JOS
18/01/2017	Non-Breeding	Vantage Point Survey	9	01:00 starting at 11:25	wind speed and direction:Light Breeze, NW; visibility: Good (>2km); Rain: None; Frost: ; Snow:		JOS
18/01/2017	Non-Breeding	Vantage Point Survey	9	01:00 starting at 12:25	wind speed and direction:Light Breeze, NW; visibility: Good (>2km); Rain: None; Frost: ; Snow:		JOS
18/01/2017	Non-Breeding	Vantage Point Survey	9	01:00 starting at 13:25	wind speed and direction:Gentle Breeze, NW; visibility: Good (>2km); Rain: None; Frost: ; Snow:		JOS
03/02/2017	Non-breeding	Vantage Point Survey	9	01:00 starting at 12:10	wind speed and direction:Gentle Breeze, SW; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		AOD
03/02/2017	Non-breeding	Vantage Point Survey	9	01:00 starting at 13:10	wind speed and direction:Moderate Breeze, SW; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		AOD
03/02/2017	Non-breeding	Vantage Point Survey	9	01:00 starting at 14:10	wind speed and direction:Light Breeze, SW; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		AOD

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
03/02/2017	Non-breeding	Vantage Point Survey	9	01:00 starting at 15:40	wind speed and direction:Light Air, S; visibility: Good (>2km); Rain: Light Showers; Frost: None ; Snow: None		AOD
03/02/2017	Non-breeding	Vantage Point Survey	9	01:00 starting at 16:40	wind speed and direction:Light Air, S; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		AOD
03/02/2017	Non-breeding	Vantage Point Survey	9	01:00 starting at 17:40	wind speed and direction:Light Breeze, S; visibility: Good (>2km); Rain: Drizzle Mist; Frost: None ; Snow: None		AOD
31/03/2017	Non-Breeding	Vantage Point Survey	9	01:00 starting at 06:15	wind speed and direction:Light Breeze, SW; visibility: Good (>2km); Rain: Drizzle Mist; Frost: None ; Snow: None		AOD
31/03/2017	Non-Breeding	Vantage Point Survey	9	01:00 starting at 07:15	wind speed and direction:Light Air, SW; visibility: Good (>2km); Rain: Drizzle Mist; Frost: None ; Snow: None		AOD
31/03/2017	Non-Breeding	Vantage Point Survey	9	01:00 starting at 08:15	wind speed and direction:Light Air, SW; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		AOD
31/03/2017	Non-Breeding	Vantage Point Survey	9	01:00 starting at 09:45	wind speed and direction:Light Breeze, S; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		AOD
31/03/2017	Non-Breeding	Vantage Point Survey	9	01:00 starting at 10:45	wind speed and direction:Light Breeze, S; visibility: Good (>2km); Rain: Light Showers; Frost: None ; Snow: None		AOD
31/03/2017	Non-Breeding	Vantage Point Survey	9	01:00 starting at 11:45	wind speed and direction:Light Breeze, S; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		AOD

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
11/04/2017	Breeding	Vantage Point Survey	9	01:00 starting at 15:05	Wind Speed and Direction: Fresh Breeze, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JOS
11/04/2017	Breeding	Vantage Point Survey	9	01:00 starting at 16:05	Wind Speed and Direction: Fresh Breeze, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JOS
11/04/2017	Breeding	Vantage Point Survey	9	01:00 starting at 17:05	Wind Speed and Direction: Fresh Breeze, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	17:22 Light Rain	JOS
11/04/2017	Breeding	Vantage Point Survey	9	01:00 starting at 18:35	Wind Speed and Direction: Fresh Breeze, NE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JOS
11/04/2017	Breeding	Vantage Point Survey	9	01:00 starting at 19:35	Wind Speed and Direction: Gentle Breeze, NE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JOS
11/04/2017	Breeding	Vantage Point Survey	9	01:00 starting at 20:35	Wind Speed and Direction: Gentle Breeze, NE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JOS
09/06/2017	Breeding	Vantage Point Survey	9	01:00 starting at 09:15	Wind Speed and Direction: Gentle Breeze, sw; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JOS

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
09/06/2017	Breeding	Vantage Point Survey	9	01:00 starting at 10:15	Wind Speed and Direction:Gentle Breeze, sw; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JOS
09/06/2017	Breeding	Vantage Point Survey	9	01:00 starting at 11:15	Wind Speed and Direction:Gentle Breeze, sw; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: Light Showers; Frost: None ; Snow: None		JOS
09/06/2017	Breeding	Vantage Point Survey	9	01:00 starting at 12:45	Wind Speed and Direction:Gentle Breeze, sw; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JOS
09/06/2017	Breeding	Vantage Point Survey	9	01:00 starting at 13:45	Wind Speed and Direction:Light Breeze, sw; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JOS
09/06/2017	Breeding	Vantage Point Survey	9	01:00 starting at 14:45	Wind Speed and Direction:Light Breeze, sw; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JOS
07/07/2017	Breeding	Vantage Point Survey	9	01:00 starting at 10:30	Wind Speed and Direction:Gentle Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JOS
07/07/2017	Breeding	Vantage Point Survey	9	01:00 starting at 11:30	Wind Speed and Direction:Gentle Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JOS

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
07/07/2017	Breeding	Vantage Point Survey	9	01:00 starting at 12:30	Wind Speed and Direction:Gentle Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JOS
07/07/2017	Breeding	Vantage Point Survey	9	01:00 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		JOS
07/07/2017	Breeding	Vantage Point Survey	9	01:00 starting at 15:00	Wind Speed and Direction:Gentle Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JOS
07/07/2017	Breeding	Vantage Point Survey	9	01:00 starting at 16:00	Wind Speed and Direction:Gentle Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	No target species recorded in part 2.	JOS
16/08/2017	Breeding	Vantage Point Survey	9	01:00 starting at 05:18	Wind Speed and Direction:Gentle Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: Light Showers; Frost: None ; Snow: None	Sunrise 06:18.	JOS
16/08/2017	Breeding	Vantage Point Survey	9	01:00 starting at 06:18	Wind Speed and Direction:Gentle Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	06:53 - Visibility 1-2km; misty rain; 07:00 visibility 2km.	JOS
16/08/2017	Breeding	Vantage Point Survey	9	01:00 starting at 07:18	Wind Speed and Direction:Gentle Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JOS

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
16/08/2017	Breeding	Vantage Point Survey	9	01:00 starting at 08:50	Wind Speed and Direction:Gentle Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	09:08 - light rain.	JOS
16/08/2017	Breeding	Vantage Point Survey	9	01:00 starting at 09:50	Wind Speed and Direction:Gentle Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JOS
16/08/2017	Breeding	Vantage Point Survey	9	01:00 starting at 10:50	Wind Speed and Direction:Gentle Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JOS
12/09/2017	Breeding	Vantage Point Survey	9	01:00 starting at 14:30	Wind Speed and Direction:Light Breeze, SE; Visibility: Poor (<km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: Drizzle Mist; Frost: None ; Snow: None		JOS
12/09/2017	Breeding	Vantage Point Survey	9	01:00 starting at 15:30	Wind Speed and Direction:Gentle Breeze, SE; Visibility: Poor (<km); Cloud Height: <150m; Cloud Cover %: 66-100 Rain: Drizzle Mist; Frost: None ; Snow: None		JOS
12/09/2017	Breeding	Vantage Point Survey	9	01:00 starting at 16:30	Wind Speed and Direction:Gentle Breeze, SE; Visibility: Limited (<500m); Cloud Height: <150m; Cloud Cover %: 66-100 Rain: Drizzle Mist; Frost: None ; Snow: None	No target species recorded. Weather sub-optimal. Survey ended due to poor visibility.	JOS
13/09/2017	Breeding	Vantage Point Survey	9	01:00 starting at 14:20	Wind Speed and Direction:Light Air, ; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: Light Showers; Frost: None ; Snow: None		JOS

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
13/09/2017	Breeding	Vantage Point Survey	9	01:00 starting at 15:20	Wind Speed and Direction:Gentle Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JOS
13/09/2017	Breeding	Vantage Point Survey	9	01:00 starting at 16:20	Wind Speed and Direction:Gentle Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JOS
13/09/2017	Breeding	Vantage Point Survey	9	01:00 starting at 17:55	Wind Speed and Direction:Calm, ; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JOS
13/09/2017	Breeding	Vantage Point Survey	9	01:00 starting at 18:55	Wind Speed and Direction:Calm, ; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JOS
13/09/2017	Breeding	Vantage Point Survey	9	01:00 starting at 19:55	Wind Speed and Direction:Calm, ; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JOS
06/10/2017	Non-breeding	Vantage Point Survey	9	01:00 starting at 06:47	Wind Speed and Direction:Light Air, ESE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 95 Rain: None; Frost: None ; Snow: None	Red Grouse Calling in 1st hour	Sean Ronayne
06/10/2017	Non-breeding	Vantage Point Survey	9	01:00 starting at 07:47	Wind Speed and Direction:Light Air, SE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 95 Rain: None; Frost: None ; Snow: None		Sean Ronayne

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
06/10/2017	Non-breeding	Vantage Point Survey	9	01:00 starting at 08:47	Wind Speed and Direction:Light Air, SE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None		Sean Ronayne
06/10/2017	Non-breeding	Vantage Point Survey	9	01:00 starting at 10:17	Wind Speed and Direction:Light Air, SSE; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 100 Rain: Drizzle Mist; Frost: None ; Snow: None		Sean Ronayne
06/10/2017	Non-breeding	Vantage Point Survey	9	01:00 starting at 11:17	Wind Speed and Direction:Light Air, SSE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None		Sean Ronayne
06/10/2017	Non-breeding	Vantage Point Survey	9	01:00 starting at 12:17	Wind Speed and Direction:Light Breeze, SSE; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 100 Rain: Drizzle Mist; Frost: None ; Snow: None		Sean Ronayne
08/11/2017	Non-breeding	Vantage Point Survey	9	01:00 starting at 11:23	Wind Speed and Direction:Light Breeze, WSW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None		Sean Ronayne
08/11/2017	Non-breeding	Vantage Point Survey	9	01:00 starting at 12:23	Wind Speed and Direction:Light Breeze, WSW; Visibility: Poor (<km); Cloud Height: 150-500m; Cloud Cover %: 100 Rain: Drizzle Mist; Frost: None ; Snow: None		Sean Ronayne
08/11/2017	Non-breeding	Vantage Point Survey	9	01:00 starting at 13:23	Wind Speed and Direction:Light Breeze, WSW; Visibility: Poor (<km); Cloud Height: 150-500m; Cloud Cover %: 100 Rain: Light Showers; Frost: None ; Snow: None		Sean Ronayne

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
08/11/2017	Non-breeding	Vantage Point Survey	9	01:00 starting at 14:53	Wind Speed and Direction:Light Breeze, WSW; Visibility: Poor (<km); Cloud Height: 150-500m; Cloud Cover %: 100 Rain: Drizzle Mist; Frost: None ; Snow: None		Sean Ronayne
08/11/2017	Non-breeding	Vantage Point Survey	9	01:00 starting at 15:53	Wind Speed and Direction:Gentle Breeze, WSW; Visibility: Poor (<km); Cloud Height: 150-500m; Cloud Cover %: 100 Rain: Drizzle Mist; Frost: None ; Snow: None		Sean Ronayne
08/11/2017	Non-breeding	Vantage Point Survey	9	01:00 starting at 16:53	Wind Speed and Direction:Gentle Breeze, WSW; Visibility: Poor (<km); Cloud Height: 150-500m; Cloud Cover %: 100 Rain: Drizzle Mist; Frost: None ; Snow: None		Sean Ronayne
10/12/2017	Non-breeding	Vantage Point Survey	9	03:00 starting at 07:39	Wind Speed and Direction:Moderate Breeze, E; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: Light Showers; Frost: None ; Snow: None		S Meehan
10/12/2017	Non-breeding	Vantage Point Survey	9	03:00 starting at 11:09	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		S Meehan
21/01/2018	Non-breeding	Vantage Point Survey	9	03:00 starting at 11:30	Wind Speed and Direction:Moderate Breeze, SSW; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 100 Rain: Light Showers; Frost: None ; Snow: None		CP
21/01/2018	Non-breeding	Vantage Point Survey	9	03:00 starting at 15:00	Wind Speed and Direction:Moderate Breeze, SSW; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 100 Rain: Light Showers; Frost: None ; Snow: None		CP

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
23/02/2018	Non-Breeding	Vantage Point Survey	9	03:00 starting at 06:37	Wind Speed and Direction:Gentle Breeze, SE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 60 Rain: None; Frost: None ; Snow: None		CP
23/02/2018	Non-Breeding	Vantage Point Survey	9	03:00 starting at 10:07	Wind Speed and Direction:Moderate Breeze, SE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None		CP
09/03/2018	Non-Breeding	Vantage Point Survey	9	03:00 starting at 12:57	Wind Speed and Direction:Light Air, NE; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None		CP
09/03/2018	Non-Breeding	Vantage Point Survey	9	03:00 starting at 16:27	Wind Speed and Direction:Light Breeze, ENE; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 100 Rain: Drizzle Mist; Frost: None ; Snow: None		CP
15/03/2016	Both (Overlap)	Vantage Point Survey	10	01:00 starting at 06:50	Wind Speed and Direction:Fresh Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	Most activity on bog outside site boundary. No target species recorded.	Susan D
15/03/2016	Both (Overlap)	Vantage Point Survey	10	01:00 starting at 07:50	Wind Speed and Direction:Moderate Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		Susan D
15/03/2016	Both (Overlap)	Vantage Point Survey	10	01:00 starting at 08:50	Wind Speed and Direction:Moderate Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	Very little bird activity overall. Activity mainly centred on bog adjacent to site rather than within the study area.	Susan D

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
15/03/2016	Both (Overlap)	Vantage Point Survey	10	01:00 starting at 10:25	Wind Speed and Direction:Gentle Breeze, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		Susan D
15/03/2016	Both (Overlap)	Vantage Point Survey	10	01:00 starting at 11:25	Wind Speed and Direction:Moderate Breeze, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		Susan D
15/03/2016	Both (Overlap)	Vantage Point Survey	10	01:00 starting at 12:25	Wind Speed and Direction:Moderate Breeze, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		Susan D
17/05/2016	Breeding	Vantage Point Survey	10	01:00 starting at 18:32	wind speed and direction:Gentle Breeze, ; visibility: Moderate (1-2km); Rain: Light Showers; Frost: None ; Snow: None	4 hour survey only - due to heavy rain during the day	Sean M
17/05/2016	Breeding	Vantage Point Survey	10	01:00 starting at 19:32	wind speed and direction:Gentle Breeze, ; visibility: Moderate (1-2km); Rain: None; Frost: None ; Snow: None	APRIL SURVEY	Sean M
17/05/2016	Breeding	Vantage Point Survey	10	01:00 starting at 20:32	wind speed and direction:Gentle Breeze, ; visibility: Moderate (1-2km); Rain: None; Frost: None ; Snow: None	APRIL SURVEY	Sean M
17/05/2016	Breeding	Vantage Point Survey	10	01:00 starting at 21:32	wind speed and direction:Gentle Breeze, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None	APRIL SURVEY	Sean M
26/05/2016	Breeding	Vantage Point Survey	10	01:00 starting at 15:00	wind speed and direction:Light Breeze, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None	APRIL SURVEY	Sean M
26/05/2016	Breeding	Vantage Point Survey	10	01:00 starting at 16:00	wind speed and direction:Light Breeze, ; visibility: Good (>2km);	APRIL SURVEY	Sean M

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
					Rain: None; Frost: None ; Snow: None		
26/05/2016	Breeding	Vantage Point Survey	10	01:00 starting at 17:00	wind speed and direction:Light Breeze, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None	APRIL SURVEY	Sean M
31/05/2016	Breeding	Vantage Point Survey	10	01:00 starting at 04:17	wind speed and direction:Light Breeze, ; visibility: Limited (<500m); Rain: None; Frost: None ; Snow: None	May VP	Sean M
31/05/2016	Breeding	Vantage Point Survey	10	00:30 starting at 05:17	wind speed and direction:Light Breeze, ; visibility: Limited (<500m); Rain: None; Frost: None ; Snow: None	Heavy fog rolled in from 05.30	Sean M
31/05/2016	Breeding	Vantage Point Survey	10	01:00 starting at 09:00	wind speed and direction:Light Breeze, ; visibility: Limited (<500m); Rain: None; Frost: None ; Snow: None		Sean M
31/05/2016	Breeding	Vantage Point Survey	10	01:00 starting at 10:00	wind speed and direction:Light Breeze, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		Sean M
31/05/2016	Breeding	Vantage Point Survey	10	01:00 starting at 11:00	wind speed and direction:Light Air, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		Sean M
31/05/2016	Breeding	Vantage Point Survey	10	01:00 starting at 12:30	wind speed and direction:Calm, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		Sean M
31/05/2016	Breeding	Vantage Point Survey	10	01:00 starting at 13:30	wind speed and direction:Calm, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		Sean M
16/06/2016	Breeding	Vantage Point Survey	10	03:00 starting at 07:30	wind speed and direction:Fresh Breeze, ; visibility: Moderate (1-2km); Rain: None; Frost: None ; Snow: None		Sean M

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
16/06/2016	Breeding	Vantage Point Survey	10	03:00 starting at 11:00	wind speed and direction: Moderate Breeze, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		Sean M
13/07/2016	Breeding	Vantage Point Survey	10	03:00 starting at 07:00	wind speed and direction: Moderate Breeze, ; visibility: Good (>2km); Rain: Light Showers; Frost: None ; Snow: None		Sean M
13/07/2016	Breeding	Vantage Point Survey	10	03:00 starting at 10:30	wind speed and direction: Moderate Breeze, ; visibility: Good (>2km); Rain: Light Showers; Frost: None ; Snow: None		Sean M
23/08/2016	Breeding	Vantage Point Survey	10	03:00 starting at 12:15	wind speed and direction: Gentle Breeze, ; visibility: Moderate (1-2km); Rain: Light Showers; Frost: None ; Snow: None		Sean M
23/08/2016	Breeding	Vantage Point Survey	10	03:00 starting at 15:45	wind speed and direction: Moderate Breeze, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		Sean M
21/09/2016	Both (Overlap)	Vantage Point Survey	10	03:00 starting at 06:22	wind speed and direction: Gentle Breeze, SW; visibility: Poor (<km); Rain: Light Showers; Frost: None ; Snow: None	Light showers throughout	Sean M
21/09/2016	Both (Overlap)	Vantage Point Survey	10	04:00 starting at 09:52	wind speed and direction: Moderate Breeze, W; visibility: Moderate (1-2km); Rain: Drizzle Mist; Frost: None ; Snow: None		Sean M
27/10/2016	Non-Breeding	Vantage Point Survey	10	01:00 starting at 07:20	wind speed and direction: Strong Breeze, SW; visibility: Poor (<km); Rain: Drizzle Mist; Frost: None ; Snow: None		HH
27/10/2016	Non-Breeding	Vantage Point Survey	10	01:00 starting at 08:20	wind speed and direction: Strong Breeze, SW; visibility: Moderate (1-2km); Rain: Drizzle Mist; Frost: None ; Snow: None		HH

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
27/10/2016	Non-Breeding	Vantage Point Survey	10	01:40 starting at 09:20	wind speed and direction:Strong Breeze, SW; visibility: Moderate (1-2km); Rain: Drizzle Mist; Frost: None ; Snow: None	Added time on to compensate for a spell of poor visibility	HH
27/10/2016	Non-Breeding	Vantage Point Survey	10	01:00 starting at 11:00	wind speed and direction:Strong Breeze, SW; visibility: Good (>2km); Rain: Drizzle Mist; Frost: None ; Snow: None		HH
27/10/2016	Non-Breeding	Vantage Point Survey	10	01:30 starting at 12:00	wind speed and direction:Strong Breeze, SW; visibility: Moderate (1-2km); Rain: Drizzle Mist; Frost: None ; Snow: None	Added time on to compensate for a spell of poor visibility	HH
27/10/2016	Non-Breeding	Vantage Point Survey	10	01:00 starting at 13:30	wind speed and direction:Strong Breeze, SW; visibility: Moderate (1-2km); Rain: Drizzle Mist; Frost: None ; Snow: None		HH
09/11/2016	Non-Breeding	Vantage Point Survey	10	01:00 starting at 11:20	wind speed and direction:Gentle Breeze, NW; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		JH
09/11/2016	Non-Breeding	Vantage Point Survey	10	01:00 starting at 12:20	wind speed and direction:Light Breeze, NW; visibility: Good (>2km); Rain: Drizzle Mist; Frost: None ; Snow: None		JH
09/11/2016	Non-Breeding	Vantage Point Survey	10	01:00 starting at 13:20	wind speed and direction:Calm, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		JH
09/11/2016	Non-Breeding	Vantage Point Survey	10	01:00 starting at 14:50	wind speed and direction:Moderate Breeze, NW; visibility: Good (>2km); Rain: ; Frost: None ; Snow: None		JH
09/11/2016	Non-Breeding	Vantage Point Survey	10	01:00 starting at 15:50	wind speed and direction:Light Breeze, NW; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		JH
09/11/2016	Non-Breeding	Vantage Point Survey	10	01:00 starting at 16:50	wind speed and direction:Moderate Breeze, N; visibility: Moderate (1-		JH

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
					2km); Rain: None; Frost: None ; Snow: None		
07/12/2016	Non-Breeding	Vantage Point Survey	10	01:00 starting at 09:30	wind speed and direction:Moderate Gale, NW; visibility: Moderate (1-2km); Rain: None; Frost: None ; Snow: None	10:21 rain - visibility poor 500m - 1km. Rain stopped by 10:28.	JOS
07/12/2016	Non-Breeding	Vantage Point Survey	10	01:00 starting at 10:30	wind speed and direction:Moderate Gale, NW; visibility: Moderate (1-2km); Rain: None; Frost: None ; Snow: None	Rain - visibility 500m - 1km. Survey ended at 11:30 due to poor visibility. No target or secondary species recorded.	JOS
09/12/2016	Non-Breeding	Vantage Point Survey	10	01:00 starting at 07:50	wind speed and direction:Strong Breeze, NW; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		JOS
09/12/2016	Non-Breeding	Vantage Point Survey	10	01:00 starting at 08:50	wind speed and direction:Strong Breeze, NW; visibility: Moderate (1-2km); Rain: None; Frost: None ; Snow: None		JOS
09/12/2016	Non-Breeding	Vantage Point Survey	10	01:00 starting at 09:50	wind speed and direction:Strong Breeze, NW; visibility: Moderate (1-2km); Rain: None; Frost: None ; Snow: None		JOS
09/12/2016	Non-Breeding	Vantage Point Survey	10	01:00 starting at 11:20	wind speed and direction:Strong Breeze, NW; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None	No target species recorded. No secondary species recorded.	JOS
12/01/2017	Non-Breeding	Vantage Point Survey	10	01:00 starting at 11:15	wind speed and direction:Gentle Breeze, SE; visibility: Good (>2km); Rain: None; Frost: ; Snow:	11:30 - snow; visibility 500m- 1km. Survey paused 11:30-11:46. 11:46 - visibility 1-2km.	JOS
12/01/2017	Non-Breeding	Vantage Point Survey	10	01:00 starting at 12:15	wind speed and direction:Moderate Breeze, SE; visibility: Good (>2km); Rain: None; Frost: ; Snow:	12:14 Light snow - visibility 2km.	JOS
12/01/2017	Non-Breeding	Vantage Point Survey	10	01:00 starting at 13:15	wind speed and direction:Gentle Breeze, SE; visibility: Good (>2km); Rain: None; Frost: ; Snow:	13:34 light snow visibility 1km. No target species recorded.	JOS

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
12/01/2017	Non-Breeding	Vantage Point Survey	10	00:40 starting at 14:45	wind speed and direction:Gentle Breeze, SE; visibility: Good (>2km); Rain: None; Frost: ; Snow:	15:25 survey stopped due to snowfall - visibility 500m. No target species recorded.	JOS
02/02/2017	Non-breeding	Vantage Point Survey	10	01:00 starting at 07:20	wind speed and direction:Strong Breeze, SE; visibility: Poor (<km); Rain: Drizzle Mist; Frost: None ; Snow: None		AOD
02/02/2017	Non-breeding	Vantage Point Survey	10	01:00 starting at 08:20	wind speed and direction:Fresh Breeze, E; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		AOD
02/02/2017	Non-breeding	Vantage Point Survey	10	01:00 starting at 09:20	wind speed and direction:Fresh Breeze, SE; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		AOD
02/02/2017	Non-breeding	Vantage Point Survey	10	01:00 starting at 10:50	wind speed and direction:Fresh Breeze, SE; visibility: Good (>2km); Rain: Light Showers; Frost: None ; Snow: None		AOD
02/02/2017	Non-breeding	Vantage Point Survey	10	01:00 starting at 11:50	wind speed and direction:Strong Breeze, SE; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		AOD
02/02/2017	Non-breeding	Vantage Point Survey	10	01:00 starting at 12:50	wind speed and direction:Strong Breeze, SE; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		AOD
06/03/2017	Non-Breeding	Vantage Point Survey	10	01:00 starting at 11:55	wind speed and direction:Gentle Breeze, SW; visibility: Good (>2km); Rain: Light Showers; Frost: None ; Snow: None		AOD
06/03/2017	Non-Breeding	Vantage Point Survey	10	01:00 starting at 12:55	wind speed and direction:Moderate Breeze, SW; visibility: Good (>2km); Rain: Drizzle Mist; Frost: None ; Snow: None		AOD
06/03/2017	Non-Breeding	Vantage Point Survey	10	01:00 starting at 13:55	wind speed and direction:Moderate Breeze, SW; visibility: Good (>2km);		AOD

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
					Rain: None; Frost: None ; Snow: None		
06/03/2017	Non-Breeding	Vantage Point Survey	10	01:00 starting at 15:25	wind speed and direction:Gentle Breeze, SW; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		AOD
06/03/2017	Non-Breeding	Vantage Point Survey	10	01:00 starting at 16:25	wind speed and direction:Gentle Breeze, SW; visibility: Good (>2km); Rain: Light Showers; Frost: None ; Snow: None		AOD
06/03/2017	Non-Breeding	Vantage Point Survey	10	01:00 starting at 17:25	wind speed and direction:Moderate Breeze, SW; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		AOD
19/04/2017	Breeding	Vantage Point Survey	10	01:00 starting at 05:30	Wind Speed and Direction:Light Air, W; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None		DMCG
19/04/2017	Breeding	Vantage Point Survey	10	01:00 starting at 06:30	Wind Speed and Direction:Light Breeze, W; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None		DMCG
19/04/2017	Breeding	Vantage Point Survey	10	01:00 starting at 07:30	Wind Speed and Direction:Light Breeze, W; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None		DMCG
19/04/2017	Breeding	Vantage Point Survey	10	01:00 starting at 09:00	Wind Speed and Direction:Light Breeze, W; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None		DMCG
19/04/2017	Breeding	Vantage Point Survey	10	01:00 starting at 10:00	Wind Speed and Direction:Light Air, W; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %:		DMCG

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
					100 Rain: None; Frost: None ; Snow: None		
19/04/2017	Breeding	Vantage Point Survey	10	01:00 starting at 11:00	Wind Speed and Direction:Light Air, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None		DMCG
03/05/2017	Breeding	Vantage Point Survey	10	01:00 starting at 15:39	Wind Speed and Direction:Gentle Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0 Rain: None; Frost: None ; Snow: None		DMCG
03/05/2017	Breeding	Vantage Point Survey	10	01:00 starting at 16:39	Wind Speed and Direction:Gentle Breeze, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0 Rain: None; Frost: None ; Snow: None		DMCG
03/05/2017	Breeding	Vantage Point Survey	10	01:00 starting at 17:39	Wind Speed and Direction:Gentle Breeze, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0 Rain: None; Frost: None ; Snow: None		DMCG
03/05/2017	Breeding	Vantage Point Survey	10	01:00 starting at 19:09	Wind Speed and Direction:Gentle Breeze, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0 Rain: None; Frost: None ; Snow: None		DMCG
03/05/2017	Breeding	Vantage Point Survey	10	01:00 starting at 20:09	Wind Speed and Direction:Light Breeze, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0 Rain: None; Frost: None ; Snow: None		DMCG
03/05/2017	Breeding	Vantage Point Survey	10	01:00 starting at 21:09	Wind Speed and Direction:Light Air, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0 Rain: None; Frost: None ; Snow: None		DMCG

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
12/06/2017	Breeding	Vantage Point Survey	10	01:00 starting at 11:00	Wind Speed and Direction:Light Breeze, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None		DMCG
12/06/2017	Breeding	Vantage Point Survey	10	01:00 starting at 12:00	Wind Speed and Direction:Light Breeze, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None		DMCG
12/06/2017	Breeding	Vantage Point Survey	10	01:00 starting at 13:00	Wind Speed and Direction:Light Air, NW; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 100 Rain: Light Showers; Frost: None ; Snow: None		DMCG
12/06/2017	Breeding	Vantage Point Survey	10	01:00 starting at 14:30	Wind Speed and Direction:Light Breeze, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None		DMCG
12/06/2017	Breeding	Vantage Point Survey	10	01:00 starting at 15:30	Wind Speed and Direction:Light Breeze, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None		DMCG
12/06/2017	Breeding	Vantage Point Survey	10	01:00 starting at 16:30	Wind Speed and Direction:Light Breeze, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None		DMCG
10/07/2017	Breeding	Vantage Point Survey	10	01:00 starting at 10:15	Wind Speed and Direction:Light Air, ; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JOS

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
10/07/2017	Breeding	Vantage Point Survey	10	01:00 starting at 11:15	Wind Speed and Direction:Light Air, ; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JOS
10/07/2017	Breeding	Vantage Point Survey	10	01:00 starting at 12:15	Wind Speed and Direction:Light Air, ; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JOS
10/07/2017	Breeding	Vantage Point Survey	10	01:00 starting at 13:45	Wind Speed and Direction:Gentle Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	14:20 - Cloud height 150-500m, visibility 1-2km - light misty rain. 14:40 rain stops visibility 2km; cloud height >500m. Survey paused at 15:40 due to poor visibility (500m).	JOS
10/07/2017	Breeding	Vantage Point Survey	10	01:00 starting at 14:45	Wind Speed and Direction:Gentle Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	16:01 - visibility 1-2km survey resumed. 16:25 survey stopped due to rain, visibility 500m.	JOS
10/07/2017	Breeding	Vantage Point Survey	10	00:40 starting at 15:45	Wind Speed and Direction:Gentle Breeze, SW; Visibility: Poor (<km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: Drizzle Mist; Frost: None ; Snow: None	No target species recorded in part 2.	JOS
18/07/2017	Breeding	Vantage Point Survey	10	01:00 starting at 10:15	Wind Speed and Direction:Gentle Breeze, SE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JOS
18/07/2017	Breeding	Vantage Point Survey	10	01:00 starting at 11:15	Wind Speed and Direction:Gentle Breeze, SE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	No target species recorded.	JOS

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
18/07/2017	Breeding	Vantage Point Survey	10	01:00 starting at 13:15	Wind Speed and Direction:Gentle Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JOS
18/07/2017	Breeding	Vantage Point Survey	10	01:00 starting at 14:15	Wind Speed and Direction:Gentle Breeze, sw; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JOS
18/07/2017	Breeding	Vantage Point Survey	10	00:35 starting at 15:15	Wind Speed and Direction:Gentle Breeze, sw; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JOS
10/08/2017	Breeding	Vantage Point Survey	10	01:00 starting at 05:07	Wind Speed and Direction:Light Air, E; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None		DMcG
10/08/2017	Breeding	Vantage Point Survey	10	01:00 starting at 06:07	Wind Speed and Direction:Light Air, E; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None		DMcG
10/08/2017	Breeding	Vantage Point Survey	10	01:00 starting at 07:07	Wind Speed and Direction:Light Air, E; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None		DMcG
10/08/2017	Breeding	Vantage Point Survey	10	01:00 starting at 08:37	Wind Speed and Direction:Light Air, E; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None		DMcG

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
10/08/2017	Breeding	Vantage Point Survey	10	01:00 starting at 09:37	Wind Speed and Direction:Gentle Breeze, E; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None		DMcG
10/08/2017	Breeding	Vantage Point Survey	10	01:00 starting at 10:37	Wind Speed and Direction:Moderate Breeze, E; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None		DMcG
07/09/2017	Breeding	Vantage Point Survey	10	01:00 starting at 14:49	Wind Speed and Direction:Light Air, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None		DMcG
07/09/2017	Breeding	Vantage Point Survey	10	01:00 starting at 15:49	Wind Speed and Direction:Light Breeze, W; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 100 Rain: Light Showers; Frost: None ; Snow: None		DMcG
07/09/2017	Breeding	Vantage Point Survey	10	01:00 starting at 16:49	Wind Speed and Direction:Light Breeze, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None		DMcG
07/09/2017	Breeding	Vantage Point Survey	10	01:00 starting at 18:19	Wind Speed and Direction:Light Air, W; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 100 Rain: Heavy Showers; Frost: None ; Snow: None		DMcG
07/09/2017	Breeding	Vantage Point Survey	10	01:00 starting at 19:19	Wind Speed and Direction:Light Air, W; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 100 Rain: Light Showers; Frost: None ; Snow: None		DMcG

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
07/09/2017	Breeding	Vantage Point Survey	10	01:00 starting at 20:19	Wind Speed and Direction:Light Air, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None		DMcG
04/10/2017	Non-breeding	Vantage Point Survey	10	01:00 starting at 06:43	Wind Speed and Direction:Moderate Breeze, W; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None	Survey abandoned at 10:50 due to a severe reduction in visibility and an increase in rain/wind. The first 3 hours qualify only.	Sean Ronayne
04/10/2017	Non-breeding	Vantage Point Survey	10	01:00 starting at 07:43	Wind Speed and Direction:Moderate Breeze, W; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None	Survey abandoned at 10:50 due to a severe reduction in visibility and an increase in rain/wind. The first 3 hours qualify only.	Sean Ronayne
04/10/2017	Non-breeding	Vantage Point Survey	10	01:00 starting at 08:43	Wind Speed and Direction:Moderate Breeze, W; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None	Survey abandoned at 10:50 due to a severe reduction in visibility and an increase in rain/wind. The first 3 hours qualify only.	Sean Ronayne
09/10/2017	Non-Breeding	Vantage Point Survey	10	01:00 starting at 13:30	Wind Speed and Direction:Light Air, sw; Visibility: Limited (<500m); Cloud Height: <150m; Cloud Cover %: 66-100 Rain: Drizzle Mist; Frost: None ; Snow: None	sub optimal conditions	JOS
09/10/2017	Non-Breeding	Vantage Point Survey	10	01:00 starting at 14:30	Wind Speed and Direction:Light Air, sw; Visibility: Limited (<500m); Cloud Height: <150m; Cloud Cover %: 66-100 Rain: Drizzle Mist; Frost: None ; Snow: None	sub optimal conditions	JOS
09/10/2017	Non-Breeding	Vantage Point Survey	10	01:00 starting at 15:30	Wind Speed and Direction:Light Air, sw; Visibility: Limited (<500m); Cloud Height: <150m; Cloud Cover %: 66-100 Rain: Drizzle Mist; Frost: None ; Snow: None	sub optimal conditions	JOS
11/10/2017	Non-Breeding	Vantage Point Survey	10	01:00 starting at 13:30	Wind Speed and Direction:Moderate Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover		JOS

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
					%: 66-100 Rain: Light Showers; Frost: None ; Snow: None		
11/10/2017	Non-Breeding	Vantage Point Survey	10	01:00 starting at 14:30	Wind Speed and Direction: Moderate Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: Light Showers; Frost: None ; Snow: None		JOS
11/10/2017	Non-Breeding	Vantage Point Survey	10	01:00 starting at 16:30	Wind Speed and Direction: Moderate Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: Light Showers; Frost: None ; Snow: None		JOS
09/11/2017	Non-breeding	Vantage Point Survey	10	01:00 starting at 11:20	Wind Speed and Direction: Light Breeze, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 25 Rain: None; Frost: None ; Snow: None		Sean Ronayne
09/11/2017	Non-breeding	Vantage Point Survey	10	01:00 starting at 12:20	Wind Speed and Direction: Gentle Breeze, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 55 Rain: None; Frost: None ; Snow: None		Sean Ronayne
09/11/2017	Non-breeding	Vantage Point Survey	10	01:00 starting at 13:20	Wind Speed and Direction: Light Breeze, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 40 Rain: None; Frost: None ; Snow: None		Sean Ronayne
09/11/2017	Non-breeding	Vantage Point Survey	10	01:00 starting at 14:50	Wind Speed and Direction: Gentle Breeze, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 80 Rain: None; Frost: None ; Snow: None		Sean Ronayne
09/11/2017	Non-breeding	Vantage Point Survey	10	01:00 starting at 15:50	Wind Speed and Direction: Gentle Breeze, WSW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 70 Rain: None; Frost: None ; Snow: None		Sean Ronayne

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
09/11/2017	Non-breeding	Vantage Point Survey	10	01:00 starting at 16:50	Wind Speed and Direction: Moderate Breeze, WSW; Visibility: Poor (<km); Cloud Height: 150-500m; Cloud Cover %: 100 Rain: Drizzle Mist; Frost: None ; Snow: None	Imm' White-tailed Sea Eagle seen flying in band four being mobbed by ravens over the highest points to N of VP for 31mins, before drifting north behind view	Sean Ronayne
22/12/2017	Non-breeding	Vantage Point Survey	10	03:00 starting at 07:49	Wind Speed and Direction: Light Breeze, W; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: Drizzle Mist; Frost: None ; Snow: None	Conditions at VP 10 turned unfavourable so only first half of this watch completed. Second half completed on 06/01/2018. I moved to VP11 where conditions were more favourable and completed the second half of this watch (first half was done on the 21/12/2017).	S Meehan
06/01/2018	Non-breeding	Vantage Point Survey	10	03:00 starting at 11:19	Wind Speed and Direction: Moderate Breeze, E; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: Light Showers; Frost: None ; Snow: None	Second half of VP10.	S Meehan
19/01/2018	Non-breeding	Vantage Point Survey	10	03:00 starting at 11:23	Wind Speed and Direction: Gentle Breeze, W; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 50 Rain: Light Showers; Frost: None ; Snow: None		CP
19/01/2018	Non-breeding	Vantage Point Survey	10	03:00 starting at 14:53	Wind Speed and Direction: Moderate Breeze, W; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 50 Rain: Light Showers; Frost: None ; Snow: None		CP
20/02/2018	Non-Breeding	Vantage Point Survey	10	03:00 starting at 06:44	Wind Speed and Direction: Light Air, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 50 Rain: None; Frost: On site; Snow: None	A little 'conifer mist' early on.	CP
20/02/2018	Non-Breeding	Vantage Point Survey	10	03:00 starting at 10:14	Wind Speed and Direction: Light Breeze, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover		CP

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
					%: 50 Rain: None; Frost: None ; Snow: None		
08/03/2018	Non-Breeding	Vantage Point Survey	10	03:00 starting at 12:55	Wind Speed and Direction:Gentle Breeze, W; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 50 Rain: Light Showers; Frost: None ; Snow: None		CP
08/03/2018	Non-Breeding	Vantage Point Survey	10	03:00 starting at 16:25	Wind Speed and Direction:Gentle Breeze, NW; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 50 Rain: Light Showers; Frost: None ; Snow: None		CP
29/05/2016	Breeding	Vantage Point Survey	11	01:00 starting at 15:19	wind speed and direction:Light Breeze, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		Sean M
29/05/2016	Breeding	Vantage Point Survey	11	01:00 starting at 16:19	wind speed and direction:Light Breeze, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		Sean M
29/05/2016	Breeding	Vantage Point Survey	11	01:00 starting at 17:19	wind speed and direction:Light Breeze, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		Sean M
29/05/2016	Breeding	Vantage Point Survey	11	01:00 starting at 18:19	wind speed and direction:Light Breeze, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		Sean M
29/05/2016	Breeding	Vantage Point Survey	11	01:00 starting at 19:49	wind speed and direction:Light Air, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		Sean M
29/05/2016	Breeding	Vantage Point Survey	11	01:00 starting at 20:49	wind speed and direction:Calm, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		Sean M
29/05/2016	Breeding	Vantage Point Survey	11	01:00 starting at 21:49	wind speed and direction:Calm, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		Sean M

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
26/06/2016	Breeding	Vantage Point Survey	11	03:00 starting at 15:30	wind speed and direction: Moderate Breeze, ; visibility: Good (>2km); Rain: Light Showers; Frost: None ; Snow: None		Sean M
26/06/2016	Breeding	Vantage Point Survey	11	03:00 starting at 19:00	wind speed and direction: Gentle Breeze, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		Sean M
30/07/2016	Breeding	Vantage Point Survey	11	03:00 starting at 11:00	wind speed and direction: Gentle Breeze, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		Sean M
30/07/2016	Breeding	Vantage Point Survey	11	03:00 starting at 14:30	wind speed and direction: Moderate Breeze, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		Sean M
20/08/2016	Breeding	Vantage Point Survey	11	03:00 starting at 11:00	wind speed and direction: Fresh Breeze, ; visibility: Moderate (1-2km); Rain: Light Showers; Frost: None ; Snow: None		Sean M
20/08/2016	Breeding	Vantage Point Survey	11	03:00 starting at 14:30	wind speed and direction: Moderate Breeze, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		Sean M
23/09/2016	Both (Overlap)	Vantage Point Survey	11	04:00 starting at 13:01	wind speed and direction: Moderate Breeze, S; visibility: Moderate (1-2km); Rain: Light Showers; Frost: None ; Snow: None	Light shower at 15.00	Sean M
23/09/2016	Both (Overlap)	Vantage Point Survey	11	03:00 starting at 17:31	wind speed and direction: Moderate Breeze, S; visibility: Moderate (1-2km); Rain: Drizzle Mist; Frost: None ; Snow: None	Some spells of light drizzle - little impact on visibility	Sean M
17/10/2016	Non-Breeding	Vantage Point Survey	11	01:00 starting at 14:00	wind speed and direction: Gentle Breeze, SW; visibility: Moderate (1-2km); Rain: Drizzle Mist; Frost: None ; Snow: None		HH

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
17/10/2016	Non-Breeding	Vantage Point Survey	11	01:00 starting at 15:00	wind speed and direction:Gentle Breeze, SW; visibility: Moderate (1-2km); Rain: Light Showers; Frost: None ; Snow: None		HH
17/10/2016	Non-Breeding	Vantage Point Survey	11	01:00 starting at 16:00	wind speed and direction:Gentle Breeze, SW; visibility: Moderate (1-2km); Rain: Drizzle Mist; Frost: None ; Snow: None		HH
17/10/2016	Non-Breeding	Vantage Point Survey	11	01:00 starting at 17:30	wind speed and direction:Gentle Breeze, SW; visibility: Moderate (1-2km); Rain: None; Frost: None ; Snow: None		HH
17/10/2016	Non-Breeding	Vantage Point Survey	11	01:00 starting at 18:30	wind speed and direction:Gentle Breeze, SW; visibility: Moderate (1-2km); Rain: Drizzle Mist; Frost: None ; Snow: None		HH
17/10/2016	Non-Breeding	Vantage Point Survey	11	01:00 starting at 19:30	wind speed and direction:Moderate Breeze, SW; visibility: Poor (<km); Rain: Light Showers; Frost: None ; Snow: None		HH
22/11/2016	Non-Breeding	Vantage Point Survey	11	01:00 starting at 07:44	wind speed and direction:Gentle Breeze, SE; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None	Sunrise 08:14. Survey started late due to fog obscuring hills @07:14 - 07:35.	JOS
22/11/2016	Non-Breeding	Vantage Point Survey	11	01:00 starting at 08:44	wind speed and direction:Gentle Breeze, SE; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None	09:16 - 09:25 misty rain	JOS
22/11/2016	Non-Breeding	Vantage Point Survey	11	01:00 starting at 09:44	wind speed and direction:Moderate Breeze, SE; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None	No target species recorded. No flightlines mapped.	JOS
22/11/2016	Non-Breeding	Vantage Point Survey	11	01:00 starting at 11:15	wind speed and direction:Moderate Breeze, SE; visibility: Good (>2km); Rain: Light Showers; Frost: None ; Snow: None	Light rain shower ends at 11:24	JOS

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
22/11/2016	Non-Breeding	Vantage Point Survey	11	01:00 starting at 12:15	wind speed and direction: Moderate Breeze, SE; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None	12:17-12:31 light rain shower.	JOS
22/11/2016	Non-Breeding	Vantage Point Survey	11	01:00 starting at 13:15	wind speed and direction: Moderate Breeze, SE; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None	No target species recorded. No flightlines mapped.	JOS
02/12/2016	Non-Breeding	Vantage Point Survey	11	01:00 starting at 10:45	wind speed and direction: Calm, S ; visibility: Moderate (1-2km); Rain: None; Frost: None ; Snow: None		HH
02/12/2016	Non-Breeding	Vantage Point Survey	11	01:00 starting at 11:45	wind speed and direction: Calm, S ; visibility: Moderate (1-2km); Rain: None; Frost: None ; Snow: None		HH
02/12/2016	Non-Breeding	Vantage Point Survey	11	01:00 starting at 12:45	wind speed and direction: Calm, S ; visibility: Moderate (1-2km); Rain: None; Frost: None ; Snow: None		HH
02/12/2016	Non-Breeding	Vantage Point Survey	11	01:00 starting at 14:15	wind speed and direction: Calm, S ; visibility: Moderate (1-2km); Rain: None; Frost: None ; Snow: None		HH
02/12/2016	Non-Breeding	Vantage Point Survey	11	01:00 starting at 15:15	wind speed and direction: Calm, S ; visibility: Moderate (1-2km); Rain: None; Frost: None ; Snow: None		HH
02/12/2016	Non-Breeding	Vantage Point Survey	11	01:00 starting at 16:15	wind speed and direction: Calm, S ; visibility: Poor (<km); Rain: None; Frost: None ; Snow: None		HH
23/01/2017	Non-Breeding	Vantage Point Survey	11	01:00 starting at 07:30	wind speed and direction: Calm, ; visibility: Limited (<500m); Rain: None; Frost: ; Snow:	08:10 - fog; visibility is 500m. 08:22 - fog lifts visibility 1-2km.	JOS
23/01/2017	Non-Breeding	Vantage Point Survey	11	01:00 starting at 08:30	wind speed and direction: Calm, ; visibility: Limited (<500m); Rain: None; Frost: ; Snow:		JOS
23/01/2017	Non-Breeding	Vantage Point Survey	11	01:00 starting at 09:30	wind speed and direction: Calm, ; visibility: Good (>2km); Rain: None; Frost: ; Snow:	No target species recorded in part 1.	JOS

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
23/01/2017	Non-Breeding	Vantage Point Survey	11	01:00 starting at 11:00	wind speed and direction:Light Breeze, NW; visibility: Good (>2km); Rain: None; Frost: ; Snow:		JOS
23/01/2017	Non-Breeding	Vantage Point Survey	11	01:00 starting at 12:00	wind speed and direction:Light Breeze, NW; visibility: Good (>2km); Rain: None; Frost: ; Snow:		JOS
23/01/2017	Non-Breeding	Vantage Point Survey	11	01:00 starting at 13:00	wind speed and direction:Light Breeze, NW; visibility: Good (>2km); Rain: None; Frost: ; Snow:	No target species recorded in part 2.	JOS
09/02/2017	Non-breeding	Vantage Point Survey	11	01:00 starting at 12:05	wind speed and direction:Fresh Breeze, SW; visibility: Good (>2km); Rain: Light Showers; Frost: None ; Snow: None		AOD
09/02/2017	Non-breeding	Vantage Point Survey	11	01:00 starting at 13:05	wind speed and direction:Fresh Breeze, SW; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		AOD
09/02/2017	Non-breeding	Vantage Point Survey	11	01:00 starting at 14:05	wind speed and direction:Fresh Breeze, SW; visibility: Good (>2km); Rain: Drizzle Mist; Frost: None ; Snow: None		AOD
09/02/2017	Non-breeding	Vantage Point Survey	11	01:00 starting at 15:35	wind speed and direction:Fresh Breeze, SW; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		AOD
09/02/2017	Non-breeding	Vantage Point Survey	11	01:00 starting at 16:35	wind speed and direction:Strong Breeze, SW; visibility: Good (>2km); Rain: Light Showers; Frost: None ; Snow: None		AOD
09/02/2017	Non-breeding	Vantage Point Survey	11	01:00 starting at 17:35	wind speed and direction:Fresh Breeze, SW; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		AOD
30/03/2017	Both (Overlap)	Vantage Point Survey	11	01:00 starting at 06:15	wind speed and direction:Calm, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None	07:00 light rain	JOS

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
30/03/2017	Both (Overlap)	Vantage Point Survey	11	01:00 starting at 07:15	wind speed and direction:Calm, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		JOS
30/03/2017	Both (Overlap)	Vantage Point Survey	11	01:00 starting at 08:15	wind speed and direction:Calm, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		JOS
30/03/2017	Both (Overlap)	Vantage Point Survey	11	01:00 starting at 09:45	wind speed and direction:Calm, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		JOS
30/03/2017	Both (Overlap)	Vantage Point Survey	11	01:00 starting at 10:45	wind speed and direction:Gentle Breeze, N; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		JOS
30/03/2017	Both (Overlap)	Vantage Point Survey	11	01:00 starting at 11:45	wind speed and direction:Calm, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		JOS
26/04/2017	Breeding	Vantage Point Survey	11	01:00 starting at 15:30	Wind Speed and Direction:Calm, ; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	No target species recorded. No flightlines.	JOS
26/04/2017	Breeding	Vantage Point Survey	11	01:00 starting at 16:30	Wind Speed and Direction:Calm, ; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JOS
26/04/2017	Breeding	Vantage Point Survey	11	01:00 starting at 17:30	Wind Speed and Direction:Calm, ; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JOS
26/04/2017	Breeding	Vantage Point Survey	11	01:00 starting at 19:00	Wind Speed and Direction:Calm, ; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: Light Showers; Frost: None ; Snow: None	No target species recorded. No flightlines.	JOS

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
26/04/2017	Breeding	Vantage Point Survey	11	01:00 starting at 20:00	Wind Speed and Direction:Calm, ; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JOS
26/04/2017	Breeding	Vantage Point Survey	11	01:00 starting at 21:00	Wind Speed and Direction:Calm, ; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JOS
31/05/2017	Breeding	Vantage Point Survey	11	01:00 starting at 06:15	Wind Speed and Direction:Calm, ; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JOS
31/05/2017	Breeding	Vantage Point Survey	11	01:00 starting at 07:15	Wind Speed and Direction:Calm, ; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None		JOS
31/05/2017	Breeding	Vantage Point Survey	11	01:00 starting at 08:15	Wind Speed and Direction:Light Air, ; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None		JOS
31/05/2017	Breeding	Vantage Point Survey	11	01:00 starting at 09:45	Wind Speed and Direction:Light Breeze, SE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JOS
31/05/2017	Breeding	Vantage Point Survey	11	01:00 starting at 10:45	Wind Speed and Direction:Gentle Breeze, ; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JOS

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
08/06/2017	Breeding	Vantage Point Survey	11	01:00 starting at 09:40	Wind Speed and Direction:Light Air, S; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	10:07 - Light rain, cloud height 150-500m, visibility 1-2km. 10:26 rain stopped, visibility 2km; cloud height 150-500m.	JOS
08/06/2017	Breeding	Vantage Point Survey	11	00:40 starting at 10:40	Wind Speed and Direction:Gentle Breeze, S; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: Light Showers; Frost: None ; Snow: None	Survey paused 11:20-12:02 due to heavy rain, poor visibility <500m.	JOS
08/06/2017	Breeding	Vantage Point Survey	11	01:00 starting at 12:02	Wind Speed and Direction:Gentle Breeze, S; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: Light Showers; Frost: None ; Snow: None	No target species recorded in part 1.	JOS
08/06/2017	Breeding	Vantage Point Survey	11	01:00 starting at 13:02	Wind Speed and Direction:Gentle Breeze, S; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JOS
08/06/2017	Breeding	Vantage Point Survey	11	01:00 starting at 14:02	Wind Speed and Direction:Moderate Breeze, S; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JOS
08/06/2017	Breeding	Vantage Point Survey	11	00:30 starting at 15:32	Wind Speed and Direction:Moderate Breeze, S; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: Light Showers; Frost: None ; Snow: None	No target species recorded in part 2.	JOS
05/07/2017	Breeding	Vantage Point Survey	11	01:00 starting at 09:30	Wind Speed and Direction:Calm, ; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JOS

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
05/07/2017	Breeding	Vantage Point Survey	11	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		JOS
05/07/2017	Breeding	Vantage Point Survey	11	01:00 starting at 11:30	Wind Speed and Direction:Calm, ; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JOS
05/07/2017	Breeding	Vantage Point Survey	11	01:00 starting at 13:00	Wind Speed and Direction:Gentle Breeze, SE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JOS
05/07/2017	Breeding	Vantage Point Survey	11	01:00 starting at 14:00	Wind Speed and Direction:Moderate Breeze, SE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JOS
05/07/2017	Breeding	Vantage Point Survey	11	01:00 starting at 15:00	Wind Speed and Direction:Gentle Breeze, SE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JOS
11/08/2017	Breeding	Vantage Point Survey	11	01:00 starting at 05:10	Wind Speed and Direction:Moderate Breeze, W; Visibility: Poor (<km); Cloud Height: <150m; Cloud Cover %: 66-100 Rain: Drizzle Mist; Frost: None ; Snow: None		JOS
11/08/2017	Breeding	Vantage Point Survey	11	01:00 starting at 06:10	Wind Speed and Direction:Gentle Breeze, W; Visibility: Poor (<km); Cloud Height: <150m; Cloud Cover %: 66-100 Rain: Drizzle Mist; Frost: None ; Snow: None	06:17 Visibility 1km; cloud height 150-500m. 06:40 visibility 500m, cloud height <150m. 06:55 visibility 1-2km. 06:59 visibility 500m-1km. 07:01 visibility 500m. 07:10 visibility 1-2km; cloud < 150m. 07:18 cloud height 150-500m. 07:37 visibility 500m; <150m	JOS

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
11/08/2017	Breeding	Vantage Point Survey	11	00:30 starting at 07:10	Wind Speed and Direction:Gentle Breeze, W; Visibility: Moderate (1-2km); Cloud Height: <150m; Cloud Cover %: 66-100 Rain: Drizzle Mist; Frost: None ; Snow: None	07:10 visibility 1-2km; cloud < 150m. 07:18 cloud height 150-500m. 07:37 visibility 500m; <150m. Survey ended at 07:40 due to poor visibility.	JOS
17/08/2017	Breeding	Vantage Point Survey	11	01:00 starting at 05:20	Wind Speed and Direction:Gentle Breeze, SW; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	Sunrise 06:20. 06:13 - 06:19 - Light rain.	JOS
17/08/2017	Breeding	Vantage Point Survey	11	01:00 starting at 06:20	Wind Speed and Direction:Gentle Breeze, SW; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	06:50 light rain; visibility 1-2km; cloud height <150m. 07:08 Cloud height 150-500m; visibility 2km, rain ended.	JOS
17/08/2017	Breeding	Vantage Point Survey	11	00:30 starting at 07:20	Wind Speed and Direction:Gentle Breeze, SW; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	Survey paused from 07:50 - 08:20 due to heavy rain, visibility 500m, cloud height <150m.	JOS
17/08/2017	Breeding	Vantage Point Survey	11	01:00 starting at 08:20	Wind Speed and Direction:Gentle Breeze, SW; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JOS
17/08/2017	Breeding	Vantage Point Survey	11	01:00 starting at 09:20	Wind Speed and Direction:Moderate Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JOS
17/08/2017	Breeding	Vantage Point Survey	11	01:00 starting at 10:20	Wind Speed and Direction:Gentle Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JOS

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
25/08/2017	Breeding	Vantage Point Survey	11	01:00 starting at 14:45	Wind Speed and Direction:Gentle Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	No target species flightlines.	JOS
15/09/2017	Breeding	Vantage Point Survey	11	01:00 starting at 14:23	Wind Speed and Direction:Gentle Breeze, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None		JOS
15/09/2017	Breeding	Vantage Point Survey	11	01:00 starting at 15:23	Wind Speed and Direction:Gentle Breeze, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None		JOS
15/09/2017	Breeding	Vantage Point Survey	11	01:00 starting at 16:23	Wind Speed and Direction:Gentle Breeze, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None	No target species flightlines.	JOS
15/09/2017	Breeding	Vantage Point Survey	11	01:00 starting at 17:53	Wind Speed and Direction:Gentle Breeze, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None		JOS
15/09/2017	Breeding	Vantage Point Survey	11	01:00 starting at 18:53	Wind Speed and Direction:Gentle Breeze, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None		JOS
15/09/2017	Breeding	Vantage Point Survey	11	01:00 starting at 19:53	Wind Speed and Direction:Gentle Breeze, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None		JOS

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
10/10/2017	Non-Breeding	Vantage Point Survey	11	01:00 starting at 06:54	Wind Speed and Direction:Calm, ; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JOS
10/10/2017	Non-Breeding	Vantage Point Survey	11	01:00 starting at 07:54	Wind Speed and Direction:Light Breeze, sw; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JOS
10/10/2017	Non-Breeding	Vantage Point Survey	11	01:00 starting at 08:54	Wind Speed and Direction:Gentle Breeze, sw; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	No target species recorded in part 1.	JOS
10/10/2017	Non-Breeding	Vantage Point Survey	11	01:00 starting at 10:30	Wind Speed and Direction:Gentle Breeze, sw; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JOS
10/10/2017	Non-Breeding	Vantage Point Survey	11	01:00 starting at 11:30	Wind Speed and Direction:Moderate Breeze, sw; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: Drizzle Mist; Frost: None ; Snow: None		JOS
10/10/2017	Non-Breeding	Vantage Point Survey	11	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		JOS
24/11/2017	Non-BR	Vantage Point Survey	11	03:00 starting at 10:58	Wind Speed and Direction:Light Air, NW; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 100 Rain: Heavy Showers; Frost: None ; Snow: None	Finished after 3 hours; squally snow showers of increasing frequency, visibility declined. Snow category (to left) irrelevantly termed for these conditions.	CP

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
30/11/2017	Non-BR	Vantage Point Survey	11	03:00 starting at 14:22	Wind Speed and Direction:Light Breeze, N; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None		CP
21/12/2017	Non-breeding	Vantage Point Survey	11	03:00 starting at 07:49	Wind Speed and Direction:Light Breeze, SW; Visibility: Poor (<km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: Drizzle Mist; Frost: None ; Snow: None	Watch halted after 3 hours due to deteriorating visibility. VP 11 watch continued on the afternoon of the 22nd (a dusk watch for 3 hours)	S Meehan
22/12/2017	Non-breeding	Vantage Point Survey	11	03:00 starting at 14:20	Wind Speed and Direction:Light Breeze, SW; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: Drizzle Mist; Frost: None ; Snow: None	Second half of VP 11 watch (dusk watch)	S Meehan
27/01/2018	Non-breeding	Vantage Point Survey	11	03:00 starting at 11:38	Wind Speed and Direction:Moderate Breeze, SW; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 100 Rain: Drizzle Mist; Frost: None ; Snow: None		CP
27/01/2018	Non-breeding	Vantage Point Survey	11	03:00 starting at 15:08	Wind Speed and Direction:Moderate Breeze, SW; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 100 Rain: Drizzle Mist; Frost: None ; Snow: None		CP
21/02/2018	Non-Breeding	Vantage Point Survey	11	03:00 starting at 06:41	Wind Speed and Direction:Light Air, S; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 25 Rain: None; Frost: On site; Snow: None	A little 'conifer mist' early on.	CP
21/02/2018	Non-Breeding	Vantage Point Survey	11	03:00 starting at 10:11	Wind Speed and Direction:Light Air, S; Visibility: Good (>2km); Cloud Height: ; Cloud Cover %: 0 Rain: None; Frost: On site; Snow: None		CP

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
26/03/2018	Both (Overlap)	Vantage Point Survey	11	01:00 starting at 14:28	Wind Speed and Direction:Light Breeze, SE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: On site; Snow: Ground		JC
26/03/2018	Both (Overlap)	Vantage Point Survey	11	01:00 starting at 15:28	Wind Speed and Direction:Light Air, E; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: Heavy; Snow: All Day		JC
26/03/2018	Both (Overlap)	Vantage Point Survey	11	01:00 starting at 16:28	Wind Speed and Direction:Light Air, E; Visibility: Moderate (1-2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: Light Showers; Frost: Heavy; Snow: All Day		JC
26/03/2018	Both (Overlap)	Vantage Point Survey	11	01:00 starting at 15:58	Wind Speed and Direction:Light Air, E; Visibility: Moderate (1-2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: Heavy; Snow: All Day		JC
26/03/2018	Both (Overlap)	Vantage Point Survey	11	01:00 starting at 16:58	Wind Speed and Direction:Light Air, E; Visibility: Poor (<km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: Drizzle Mist; Frost: Heavy; Snow: All Day		JC
26/03/2018	Both (Overlap)	Vantage Point Survey	11	01:00 starting at 17:58	Wind Speed and Direction:Light Air, E; Visibility: Poor (<km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: Drizzle Mist; Frost: Heavy; Snow: All Day		JC
13/05/2016	Breeding	Vantage Point Survey	1a	04:00 starting at 04:40	wind speed and direction:Light Air, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		Sean M
13/05/2016	Breeding	Vantage Point Survey	1a	01:00 starting at 09:10	wind speed and direction:Light Breeze, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		Sean M

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
13/05/2016	Breeding	Vantage Point Survey	1a	01:00 starting at 10:10	wind speed and direction:Light Breeze, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		Sean M
13/05/2016	Breeding	Vantage Point Survey	1a	01:00 starting at 11:10	wind speed and direction:Light Breeze, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		Sean M
23/06/2016	Breeding	Vantage Point Survey	1a	03:00 starting at 08:00	wind speed and direction:Gentle Breeze, ; visibility: Good (>2km); Rain: Light Showers; Frost: None ; Snow: None		Sean M
23/06/2016	Breeding	Vantage Point Survey	1a	03:00 starting at 11:30	wind speed and direction:Light Breeze, ; visibility: Moderate (1-2km); Rain: Light Showers; Frost: None ; Snow: None		Sean M
23/07/2016	Breeding	Vantage Point Survey	1a	03:00 starting at 07:00	wind speed and direction:Gentle Breeze, ; visibility: Moderate (1-2km); Rain: Light Showers; Frost: None ; Snow: None		Sean M
23/07/2016	Breeding	Vantage Point Survey	1a	03:00 starting at 10:30	wind speed and direction:Gentle Breeze, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		Sean M
26/08/2016	Breeding	Vantage Point Survey	1a	03:00 starting at 07:00	wind speed and direction:Gentle Breeze, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		Sean M
26/08/2016	Breeding	Vantage Point Survey	1a	03:00 starting at 10:30	wind speed and direction:Moderate Breeze, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		Sean M
01/10/2016	Both (Overlap)	Vantage Point Survey	1a	04:00 starting at 12:42	wind speed and direction:Moderate Breeze, N; visibility: Moderate (1-2km); Rain: None; Frost: None ; Snow: None	SEPTEMBER SURVEY	Sean M

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
01/10/2016	Both (Overlap)	Vantage Point Survey	1a	03:00 starting at 17:12	wind speed and direction:Gentle Breeze, N; visibility: Moderate (1-2km); Rain: None; Frost: None ; Snow: None	SEPTEMBER SURVEY	Sean M
26/10/2016	Non-Breeding	Vantage Point Survey	1a	01:00 starting at 12:45	wind speed and direction:Calm, ; visibility: Good (>2km); Rain: Drizzle Mist; Frost: None ; Snow: None	Sunset - 18:15.	JOS
26/10/2016	Non-Breeding	Vantage Point Survey	1a	01:00 starting at 13:45	wind speed and direction:Calm, ; visibility: Good (>2km); Rain: Light Showers; Frost: None ; Snow: None	Disturbance at 14:00 - digger towards the north of vp. 14:15 - mist obscuring view of the hill to the N of vp, visibility 1km. 14:30 - rain clears; visibility 2km.	JOS
26/10/2016	Non-Breeding	Vantage Point Survey	1a	01:00 starting at 14:45	wind speed and direction:Gentle Breeze, ; visibility: Moderate (1-2km); Rain: None; Frost: None ; Snow: None		JOS
26/10/2016	Non-Breeding	Vantage Point Survey	1a	01:00 starting at 16:15	wind speed and direction:Gentle Breeze, NW; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		JOS
26/10/2016	Non-Breeding	Vantage Point Survey	1a	01:00 starting at 17:15	wind speed and direction:Calm, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None	17:25 - light misty rain	JOS
26/10/2016	Non-Breeding	Vantage Point Survey	1a	01:00 starting at 18:15	wind speed and direction:Calm, ; visibility: Moderate (1-2km); Rain: Drizzle Mist; Frost: None ; Snow: None	Hour 3 - visibility moderate slight misty haze over hill to the N of vp.	JOS
10/11/2016	Non-Breeding	Vantage Point Survey	1a	01:00 starting at 07:00	wind speed and direction:Calm, W; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		HH
10/11/2016	Non-Breeding	Vantage Point Survey	1a	01:00 starting at 08:00	wind speed and direction:Light Breeze, W; visibility: Good (>2km); Rain: Drizzle Mist; Frost: None ; Snow: None		HH

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
10/11/2016	Non-Breeding	Vantage Point Survey	1a	01:00 starting at 09:00	wind speed and direction:Light Breeze, W; visibility: Good (>2km); Rain: Drizzle Mist; Frost: None ; Snow: None		HH
10/11/2016	Non-Breeding	Vantage Point Survey	1a	01:00 starting at 10:30	wind speed and direction:Light Breeze, W; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		HH
10/11/2016	Non-Breeding	Vantage Point Survey	1a	01:00 starting at 11:30	wind speed and direction:Light Breeze, W; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		HH
10/11/2016	Non-Breeding	Vantage Point Survey	1a	01:00 starting at 12:30	wind speed and direction:Light Breeze, W; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		HH
06/12/2016	Non-Breeding	Vantage Point Survey	1a	01:00 starting at 10:30	wind speed and direction:Gentle Breeze, SW; visibility: Moderate (1-2km); Rain: None; Frost: None ; Snow: None		HH
06/12/2016	Non-Breeding	Vantage Point Survey	1a	01:00 starting at 10:45	wind speed and direction:Light Breeze, SW; visibility: Poor (<km); Rain: Light Showers; Frost: None ; Snow: None		HH
06/12/2016	Non-Breeding	Vantage Point Survey	1a	01:00 starting at 11:30	wind speed and direction:Gentle Breeze, SW; visibility: Moderate (1-2km); Rain: None; Frost: None ; Snow: None		HH
06/12/2016	Non-Breeding	Vantage Point Survey	1a	01:00 starting at 11:45	wind speed and direction:Light Breeze, SW; visibility: Moderate (1-2km); Rain: None; Frost: None ; Snow: None		HH
06/12/2016	Non-Breeding	Vantage Point Survey	1a	01:00 starting at 12:30	wind speed and direction:Gentle Breeze, SW; visibility: Poor (<km); Rain: Drizzle Mist; Frost: None ; Snow: None		HH

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
06/12/2016	Non-Breeding	Vantage Point Survey	1a	01:00 starting at 12:45	wind speed and direction:Gentle Breeze, SW; visibility: Moderate (1-2km); Rain: Drizzle Mist; Frost: None ; Snow: None		HH
19/01/2017	Non-Breeding	Vantage Point Survey	1a	01:00 starting at 07:55	wind speed and direction:Calm, ; visibility: Good (>2km); Rain: None; Frost: ; Snow:		JOS
19/01/2017	Non-Breeding	Vantage Point Survey	1a	01:00 starting at 08:55	wind speed and direction:Calm, ; visibility: Good (>2km); Rain: None; Frost: ; Snow:		JOS
19/01/2017	Non-Breeding	Vantage Point Survey	1a	01:00 starting at 09:55	wind speed and direction:Calm, ; visibility: Good (>2km); Rain: None; Frost: ; Snow:	No target species recorded in part 1.	JOS
19/01/2017	Non-Breeding	Vantage Point Survey	1a	01:00 starting at 11:25	wind speed and direction:Calm, ; visibility: Good (>2km); Rain: None; Frost: ; Snow:		JOS
19/01/2017	Non-Breeding	Vantage Point Survey	1a	01:00 starting at 12:25	wind speed and direction:Calm, ; visibility: Good (>2km); Rain: None; Frost: ; Snow:		JOS
19/01/2017	Non-Breeding	Vantage Point Survey	1a	01:00 starting at 13:25	wind speed and direction:Calm, ; visibility: Good (>2km); Rain: None; Frost: ; Snow:	No target species recorded in part 2.	JOS
06/02/2017	Non-Breeding	Vantage Point Survey	1a	01:00 starting at 12:00	wind speed and direction:Gentle Breeze, NW; visibility: Good (>2km); Rain: None; Frost: ; Snow:		JOS
06/02/2017	Non-Breeding	Vantage Point Survey	1a	01:00 starting at 13:00	wind speed and direction:Gentle Breeze, NW; visibility: Good (>2km); Rain: None; Frost: ; Snow:		JOS
10/02/2017	Non-Breeding	Vantage Point Survey	1a	01:00 starting at 14:40	wind speed and direction:Light Air, W; visibility: Good (>2km); Rain: None; Frost: ; Snow:		JOS
10/02/2017	Non-Breeding	Vantage Point Survey	1a	01:00 starting at 15:40	wind speed and direction:Calm, ; visibility: Good (>2km); Rain: None; Frost: ; Snow:		JOS

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
10/02/2017	Non-Breeding	Vantage Point Survey	1a	01:00 starting at 16:40	wind speed and direction:Calm, ; visibility: Good (>2km); Rain: None; Frost: ; Snow:		JOS
10/02/2017	Non-Breeding	Vantage Point Survey	1a	01:00 starting at 17:40	wind speed and direction:Calm, ; visibility: Good (>2km); Rain: None; Frost: ; Snow:		JOS
31/03/2017	Both (Overlap)	Vantage Point Survey	1a	01:00 starting at 06:15	wind speed and direction:Calm, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		
31/03/2017	Both (Overlap)	Vantage Point Survey	1a	01:00 starting at 07:15	wind speed and direction:Light Breeze, N; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		
31/03/2017	Both (Overlap)	Vantage Point Survey	1a	01:00 starting at 08:15	wind speed and direction:Light Air, N; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		
31/03/2017	Both (Overlap)	Vantage Point Survey	1a	01:00 starting at 09:45	wind speed and direction:Gentle Breeze, N; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		
31/03/2017	Both (Overlap)	Vantage Point Survey	1a	01:00 starting at 10:45	wind speed and direction:Light Breeze, N; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		
31/03/2017	Both (Overlap)	Vantage Point Survey	1a	01:00 starting at 11:45	wind speed and direction:Fresh Breeze, N; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		
31/03/2017	Both (Overlap)	Vantage Point Survey	1a	01:00 starting at 06:15	wind speed and direction:Calm, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		JOS
31/03/2017	Both (Overlap)	Vantage Point Survey	1a	01:00 starting at 07:15	wind speed and direction:Light Breeze, N; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		JOS

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
31/03/2017	Both (Overlap)	Vantage Point Survey	1a	01:00 starting at 08:15	wind speed and direction:Light Air, N; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		JOS
31/03/2017	Both (Overlap)	Vantage Point Survey	1a	01:00 starting at 09:45	wind speed and direction:Gentle Breeze, N; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		JOS
31/03/2017	Both (Overlap)	Vantage Point Survey	1a	01:00 starting at 10:45	wind speed and direction:Light Breeze, N; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		JOS
31/03/2017	Both (Overlap)	Vantage Point Survey	1a	01:00 starting at 11:45	wind speed and direction:Fresh Breeze, N; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		JOS
11/04/2017	Breeding	Vantage Point Survey	1a	01:00 starting at 15:02	Wind Speed and Direction:Gentle Breeze, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None		DMCG
11/04/2017	Breeding	Vantage Point Survey	1a	01:00 starting at 16:02	Wind Speed and Direction:Light Breeze, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None		DMCG
11/04/2017	Breeding	Vantage Point Survey	1a	01:00 starting at 17:02	Wind Speed and Direction:Light Breeze, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None		DMCG
11/04/2017	Breeding	Vantage Point Survey	1a	01:00 starting at 18:32	Wind Speed and Direction:Light Breeze, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 100 Rain: Drizzle Mist; Frost: None ; Snow: None		DMCG

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
11/04/2017	Breeding	Vantage Point Survey	1a	01:00 starting at 19:32	Wind Speed and Direction:Light Breeze, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None		DMCG
11/04/2017	Breeding	Vantage Point Survey	1a	01:00 starting at 20:32	Wind Speed and Direction:Light Air, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None		DMCG
26/05/2017	Breeding	Vantage Point Survey	1a	01:00 starting at 04:20	Wind Speed and Direction:Calm, ; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JOS
26/05/2017	Breeding	Vantage Point Survey	1a	01:00 starting at 05:20	Wind Speed and Direction:Calm, ; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None		JOS
26/05/2017	Breeding	Vantage Point Survey	1a	01:00 starting at 06:20	Wind Speed and Direction:Calm, ; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None	No target species recorded in part 1.	JOS
26/05/2017	Breeding	Vantage Point Survey	1a	01:00 starting at 07:50	Wind Speed and Direction:Calm, ; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JOS
26/05/2017	Breeding	Vantage Point Survey	1a	01:00 starting at 08:50	Wind Speed and Direction:Calm, ; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JOS

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
26/05/2017	Breeding	Vantage Point Survey	1a	01:00 starting at 09:50	Wind Speed and Direction:Calm, ; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: Light Showers; Frost: None ; Snow: None	No target species recorded in part 2.	JOS
13/06/2017	Breeding	Vantage Point Survey	1a	01:00 starting at 10:15	Wind Speed and Direction:Gentle Breeze, S; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JOS
13/06/2017	Breeding	Vantage Point Survey	1a	01:00 starting at 11:15	Wind Speed and Direction:Fresh Breeze, S; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JOS
13/06/2017	Breeding	Vantage Point Survey	1a	01:00 starting at 12:15	Wind Speed and Direction:Moderate Breeze, S; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JOS
13/06/2017	Breeding	Vantage Point Survey	1a	01:00 starting at 13:45	Wind Speed and Direction:Gentle Breeze, S; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JOS
13/06/2017	Breeding	Vantage Point Survey	1a	01:00 starting at 14:45	Wind Speed and Direction:Gentle Breeze, S; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JOS
13/06/2017	Breeding	Vantage Point Survey	1a	01:00 starting at 15:45	Wind Speed and Direction:Gentle Breeze, S; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JOS

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
03/07/2017	Breeding	Vantage Point Survey	1a	01:00 starting at 10:26	Wind Speed and Direction:Calm, ; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JOS
03/07/2017	Breeding	Vantage Point Survey	1a	01:00 starting at 11:26	Wind Speed and Direction:Calm, ; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	Light rain 12:30-12:35. 12:53 - light rain.	JOS
03/07/2017	Breeding	Vantage Point Survey	1a	01:00 starting at 12:26	Wind Speed and Direction:Calm, ; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JOS
03/07/2017	Breeding	Vantage Point Survey	1a	01:00 starting at 14:00	Wind Speed and Direction:Calm, ; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: Light Showers; Frost: None ; Snow: None	14:40 rain stopped. 14:56 rain.	JOS
03/07/2017	Breeding	Vantage Point Survey	1a	01:00 starting at 15:00	Wind Speed and Direction:Calm, ; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: Light Showers; Frost: None ; Snow: None	15:53 - heavier rain.	JOS
03/07/2017	Breeding	Vantage Point Survey	1a	01:00 starting at 16:00	Wind Speed and Direction:Calm, ; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: Heavy Showers; Frost: None ; Snow: None		JOS
08/08/2017	Breeding	Vantage Point Survey	1a	01:00 starting at 05:05	Wind Speed and Direction:Calm, ; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	Sunrise 06:05	JOS

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
08/08/2017	Breeding	Vantage Point Survey	1a	01:00 starting at 06:05	Wind Speed and Direction:Calm, ; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	06:17 - light rain shower - stops 06:30. 06:37 - light rain shower.	JOS
08/08/2017	Breeding	Vantage Point Survey	1a	01:00 starting at 07:05	Wind Speed and Direction:Calm, ; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JOS
08/08/2017	Breeding	Vantage Point Survey	1a	01:00 starting at 08:35	Wind Speed and Direction:Calm, ; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JOS
08/08/2017	Breeding	Vantage Point Survey	1a	01:00 starting at 09:35	Wind Speed and Direction:Gentle Breeze, E; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: Light Showers; Frost: None ; Snow: None	09:56 - rain stopped.	JOS
08/08/2017	Breeding	Vantage Point Survey	1a	01:00 starting at 10:35	Wind Speed and Direction:Gentle Breeze, E; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JOS
01/09/2017	Breeding	Vantage Point Survey	1a	01:00 starting at 15:00	Wind Speed and Direction:Calm, ; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JOS
01/09/2017	Breeding	Vantage Point Survey	1a	01:00 starting at 16:00	Wind Speed and Direction:Calm, ; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JOS

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
01/09/2017	Breeding	Vantage Point Survey	1a	01:00 starting at 17:00	Wind Speed and Direction:Light Air, ; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	No target species flightlines recorded in first part of survey.	JOS
01/09/2017	Breeding	Vantage Point Survey	1a	01:00 starting at 18:30	Wind Speed and Direction:Light Air, ; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None		JOS
01/09/2017	Breeding	Vantage Point Survey	1a	01:00 starting at 19:30	Wind Speed and Direction:Light Air, ; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None		JOS
01/09/2017	Breeding	Vantage Point Survey	1a	01:00 starting at 20:30	Wind Speed and Direction:Light Air, ; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None	No target species flightlines.	JOS
30/09/2017	Non-Breeding	Vantage Point Survey	1a	01:00 starting at 06:36	Wind Speed and Direction:Calm, ; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None	OCTOBER SURVEY	JOS
30/09/2017	Non-Breeding	Vantage Point Survey	1a	01:00 starting at 07:36	Wind Speed and Direction:Calm, ; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None	OCTOBER SURVEY	JOS
30/09/2017	Non-Breeding	Vantage Point Survey	1a	01:00 starting at 08:36	Wind Speed and Direction:Calm, ; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None	OCTOBER SURVEY	JOS

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
30/09/2017	Non-Breeding	Vantage Point Survey	1a	01:00 starting at 10:06	Wind Speed and Direction:Calm, ; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None	OCTOBER SURVEY	JOS
30/09/2017	Non-Breeding	Vantage Point Survey	1a	01:00 starting at 11:06	Wind Speed and Direction:Calm, ; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None	OCTOBER SURVEY	JOS
30/09/2017	Non-Breeding	Vantage Point Survey	1a	01:00 starting at 12:06	Wind Speed and Direction:Calm, ; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None	OCTOBER SURVEY	JOS
17/11/2017	Non-BR	Vantage Point Survey	1a	03:00 starting at 11:07	Wind Speed and Direction:Light Air, S; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 100 Rain: Light Showers; Frost: None ; Snow: None		CP
17/11/2017	Non-BR	Vantage Point Survey	1a	03:00 starting at 14:37	Wind Speed and Direction:Light Air, S; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 100 Rain: Light Showers; Frost: None ; Snow: None		CP
03/12/2017	Non-BR	Vantage Point Survey	1a	03:00 starting at 07:30	Wind Speed and Direction:Light Air, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 25 Rain: None; Frost: None ; Snow: None		CP
03/12/2017	Non-BR	Vantage Point Survey	1a	03:00 starting at 11:00	Wind Speed and Direction:Light Air, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 25 Rain: None; Frost: None ; Snow: None		CP

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
14/01/2018	Non-breeding	Vantage Point Survey	1a	03:00 starting at 11:16	Wind Speed and Direction:Light Breeze, S; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 100 Rain: Light Showers; Frost: None ; Snow: None		CP
14/01/2018	Non-breeding	Vantage Point Survey	1a	03:00 starting at 14:46	Wind Speed and Direction:Light Breeze, S; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 100 Rain: Light Showers; Frost: None ; Snow: None		CP
13/02/2018	Non-Breeding	Vantage Point Survey	1a	03:00 starting at 06:58	Wind Speed and Direction:Light Air, NW; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 10 Rain: Light Showers; Frost: None ; Snow: None	Sunny intervals and snow showers.	CP
13/02/2018	Non-Breeding	Vantage Point Survey	1a	03:00 starting at 10:28	Wind Speed and Direction:Light Air, NW; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 50 Rain: Light Showers; Frost: None ; Snow: None	Sunny intervals and snow showers.	CP
28/03/2018	Both (overlap)	Vantage Point Survey	1a	01:00 starting at 15:00	Wind Speed and Direction:Light Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	Disturbance at vp1a for duration of first half of survey due to construction works.	JOS
28/03/2018	Both (overlap)	Vantage Point Survey	1a	01:00 starting at 16:00	Wind Speed and Direction:Light Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JOS
28/03/2018	Both (overlap)	Vantage Point Survey	1a	01:00 starting at 17:00	Wind Speed and Direction:Gentle Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: Light Showers; Frost: None ; Snow: None		JOS

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
28/03/2018	Both (overlap)	Vantage Point Survey	1a	01:00 starting at 18:30	Wind Speed and Direction:Light Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: Light Showers; Frost: None ; Snow: None		JOS
28/03/2018	Both (overlap)	Vantage Point Survey	1a	01:00 starting at 19:30	Wind Speed and Direction:Gentle Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: Light Showers; Frost: None ; Snow: None		JOS
28/03/2018	Both (overlap)	Vantage Point Survey	1a	01:00 starting at 20:30	Wind Speed and Direction:Light Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: Light Showers; Frost: None ; Snow: None		JOS
30/05/2016	Breeding	Vantage Point Survey	6A	01:00 starting at 04:18	wind speed and direction:Calm, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		Sean M
30/05/2016	Breeding	Vantage Point Survey	6A	01:00 starting at 05:18	wind speed and direction:Calm, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		Sean M
30/05/2016	Breeding	Vantage Point Survey	6A	01:00 starting at 06:18	wind speed and direction:Calm, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		Sean M
30/05/2016	Breeding	Vantage Point Survey	6A	01:00 starting at 07:18	wind speed and direction:Light Air, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		Sean M
30/05/2016	Breeding	Vantage Point Survey	6A	01:00 starting at 08:48	wind speed and direction:Light Breeze, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None	White-tailed eagle seen @ 08.31	Sean M
30/05/2016	Breeding	Vantage Point Survey	6A	01:00 starting at 09:48	wind speed and direction:Gentle Breeze, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		Sean M

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
30/05/2016	Breeding	Vantage Point Survey	6A	01:00 starting at 10:48	wind speed and direction:Gentle Breeze, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		Sean M
24/06/2016	Breeding	Vantage Point Survey	6A	03:00 starting at 06:00	wind speed and direction:Gentle Breeze, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		Sean M
24/06/2016	Breeding	Vantage Point Survey	6A	03:00 starting at 09:30	wind speed and direction:Fresh Breeze, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		Sean M
29/07/2016	Breeding	Vantage Point Survey	6A	03:00 starting at 10:30	wind speed and direction:Moderate Breeze, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		Sean M
29/07/2016	Breeding	Vantage Point Survey	6A	03:00 starting at 14:00	wind speed and direction:Moderate Breeze, ; visibility: Moderate (1-2km); Rain: None; Frost: None ; Snow: None		Sean M
31/08/2016	Breeding	Vantage Point Survey	6A	03:00 starting at 10:30	wind speed and direction:Gentle Breeze, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		Sean M
31/08/2016	Breeding	Vantage Point Survey	6A	03:00 starting at 14:00	wind speed and direction:Moderate Breeze, ; visibility: Moderate (1-2km); Rain: None; Frost: None ; Snow: None		Sean M
30/09/2016	Both (Overlap)	Vantage Point Survey	6A	04:00 starting at 12:44	wind speed and direction:Gentle Breeze, W; visibility: Moderate (1-2km); Rain: None; Frost: None ; Snow: None		Sean M
30/09/2016	Both (Overlap)	Vantage Point Survey	6A	03:00 starting at 17:14	wind speed and direction:Moderate Breeze, E; visibility: Moderate (1-2km); Rain: None; Frost: None ; Snow: None	Winds varied between westerly and easterly	Sean M

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
26/10/2016	Non-Breeding	Vantage Point Survey	6A	01:00 starting at 12:50	wind speed and direction: Fresh Breeze, S; visibility: Moderate (1-2km); Rain: Drizzle Mist; Frost: None; Snow: None		HH
26/10/2016	Non-Breeding	Vantage Point Survey	6A	01:00 starting at 13:50	wind speed and direction: Fresh Breeze, S; visibility: Good (>2km); Rain: None; Frost: None; Snow: None		HH
26/10/2016	Non-Breeding	Vantage Point Survey	6A	01:00 starting at 14:50	wind speed and direction: Moderate Breeze, S; visibility: Good (>2km); Rain: None; Frost: None; Snow: None		HH
26/10/2016	Non-Breeding	Vantage Point Survey	6A	01:00 starting at 16:20	wind speed and direction: Gentle Breeze, S; visibility: Moderate (1-2km); Rain: None; Frost: None; Snow: None		HH
26/10/2016	Non-Breeding	Vantage Point Survey	6A	01:00 starting at 17:20	wind speed and direction: Gentle Breeze, S; visibility: Moderate (1-2km); Rain: Drizzle Mist; Frost: None; Snow: None		HH
26/10/2016	Non-Breeding	Vantage Point Survey	6A	01:00 starting at 18:20	wind speed and direction: Gentle Breeze, S; visibility: Moderate (1-2km); Rain: None; Frost: None; Snow: None		HH
11/11/2016	Non-Breeding	Vantage Point Survey	6A	01:00 starting at 07:25	wind speed and direction: Calm, ; visibility: Good (>2km); Rain: None; Frost: None; Snow: None	SUNRISE 07:55. Late start due to construction traffic.	JOS
11/11/2016	Non-Breeding	Vantage Point Survey	6A	01:00 starting at 08:25	wind speed and direction: Gentle Breeze, NW; visibility: Good (>2km); Rain: None; Frost: None; Snow: None		JOS
11/11/2016	Non-Breeding	Vantage Point Survey	6A	01:00 starting at 09:25	wind speed and direction: Gentle Breeze, NW; visibility: Good (>2km); Rain: None; Frost: None; Snow: None	Survey ended after three hours due to mist partially obscuring viewshed over hill by Lough Ugool.	JOS

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
18/11/2016	Non-Breeding	Vantage Point Survey	6A	01:00 starting at 07:15	wind speed and direction:Gentle Breeze, E; visibility: Good (>2km); Rain: Drizzle Mist; Frost: None ; Snow: None	Light sleet showers	JOS
18/11/2016	Non-Breeding	Vantage Point Survey	6A	01:00 starting at 08:15	wind speed and direction:Calm, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		JOS
18/11/2016	Non-Breeding	Vantage Point Survey	6A	01:00 starting at 09:15	wind speed and direction:Calm, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		JOS
08/12/2016	Non-Breeding	Vantage Point Survey	6A	01:00 starting at 10:50	wind speed and direction:Light Breeze, ; visibility: Poor (<km); Rain: None; Frost: None ; Snow: None	11:33 - visibility 1km, 500m over hill by lough Ugool. 11:45 - visibility moderate 1-2km	JOS
08/12/2016	Non-Breeding	Vantage Point Survey	6A	01:00 starting at 11:50	wind speed and direction:Gentle Breeze, NE; visibility: Moderate (1-2km); Rain: None; Frost: None ; Snow: None	12:01 - Light misty rain. Visibility 1km.	JOS
08/12/2016	Non-Breeding	Vantage Point Survey	6A	01:00 starting at 12:50	wind speed and direction:Calm, ; visibility: Moderate (1-2km); Rain: None; Frost: None ; Snow: None	13:06 visibility 2km	JOS
08/12/2016	Non-Breeding	Vantage Point Survey	6A	01:00 starting at 14:20	wind speed and direction:Calm, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		JOS
08/12/2016	Non-Breeding	Vantage Point Survey	6A	01:00 starting at 15:20	wind speed and direction:Calm, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None	Survey ended after 5 hours due to access issues with landowner.	JOS
11/01/2017	Non-Breeding	Vantage Point Survey	6A	01:00 starting at 07:49	wind speed and direction:Light Air, ; visibility: Good (>2km); Rain: None; Frost: ; Snow:	Sunrise 08:49	JOS
11/01/2017	Non-Breeding	Vantage Point Survey	6A	01:00 starting at 08:49	wind speed and direction:Light Breeze, NW; visibility: Good (>2km); Rain: Drizzle Mist; Frost: ; Snow:		JOS

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
11/01/2017	Non-Breeding	Vantage Point Survey	6A	01:00 starting at 09:49	wind speed and direction:Light Breeze, NW; visibility: Good (>2km); Rain: Drizzle Mist; Frost: ; Snow:		JOS
11/01/2017	Non-Breeding	Vantage Point Survey	6A	01:00 starting at 11:20	wind speed and direction:Gentle Breeze, NW; visibility: Good (>2km); Rain: None; Frost: ; Snow:		JOS
11/01/2017	Non-Breeding	Vantage Point Survey	6A	01:00 starting at 12:20	wind speed and direction:Moderate Breeze, NW; visibility: Good (>2km); Rain: Light Showers; Frost: ; Snow:		JOS
11/01/2017	Non-Breeding	Vantage Point Survey	6A	00:30 starting at 13:20	wind speed and direction:Moderate Breeze, NW; visibility: Good (>2km); Rain: Light Showers; Frost: ; Snow:	Survey paused 13:50 - 14:03 machinery disturbance.	JOS
11/01/2017	Non-Breeding	Vantage Point Survey	6A	00:30 starting at 14:03	wind speed and direction:Gentle Breeze, NW; visibility: Good (>2km); Rain: None; Frost: ; Snow:		JOS
10/02/2017	Non-breeding	Vantage Point Survey	6A	01:00 starting at 12:10	wind speed and direction:Gentle Breeze, SE; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		AOD
10/02/2017	Non-breeding	Vantage Point Survey	6A	01:00 starting at 13:10	wind speed and direction:Gentle Breeze, SE; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		AOD
10/02/2017	Non-breeding	Vantage Point Survey	6A	01:00 starting at 14:10	wind speed and direction:Gentle Breeze, SE; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		AOD
10/02/2017	Non-breeding	Vantage Point Survey	6A	01:00 starting at 15:40	wind speed and direction:Gentle Breeze, SE; visibility: Good (>2km); Rain: Drizzle Mist; Frost: None ; Snow: None		AOD
10/02/2017	Non-breeding	Vantage Point Survey	6A	01:00 starting at 16:40	wind speed and direction:Moderate Breeze, SE; visibility: Good (>2km); Rain: Drizzle Mist; Frost: None ; Snow: None		AOD

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
10/02/2017	Non-breeding	Vantage Point Survey	6A	01:00 starting at 17:40	wind speed and direction: Moderate Breeze, SE; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		AOD
10/03/2017	Non-Breeding	Vantage Point Survey	6A	01:00 starting at 06:05	wind speed and direction: Light Air, SW; visibility: Good (>2km); Rain: Drizzle Mist; Frost: None ; Snow: None		AOD
10/03/2017	Non-Breeding	Vantage Point Survey	6A	01:00 starting at 07:05	wind speed and direction: Light Breeze, SW; visibility: Good (>2km); Rain: Drizzle Mist; Frost: None ; Snow: None		AOD
10/03/2017	Non-Breeding	Vantage Point Survey	6A	01:00 starting at 08:05	wind speed and direction: Light Breeze, S; visibility: Good (>2km); Rain: Drizzle Mist; Frost: None ; Snow: None		AOD
10/03/2017	Non-Breeding	Vantage Point Survey	6A	01:00 starting at 09:35	wind speed and direction: Light Breeze, S; visibility: Good (>2km); Rain: Drizzle Mist; Frost: None ; Snow: None		AOD
10/03/2017	Non-Breeding	Vantage Point Survey	6A	01:00 starting at 10:35	wind speed and direction: Light Breeze, S; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		AOD
10/03/2017	Non-Breeding	Vantage Point Survey	6A	01:00 starting at 11:35	wind speed and direction: Light Breeze, S; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		AOD
12/04/2017	Breeding	Vantage Point Survey	6A	01:00 starting at 15:08	Wind Speed and Direction: Light Air, ; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JOS
12/04/2017	Breeding	Vantage Point Survey	6A	01:00 starting at 16:08	Wind Speed and Direction: Light Air, sw; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JOS

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
12/04/2017	Breeding	Vantage Point Survey	6A	01:00 starting at 17:08	Wind Speed and Direction:Light Air, ; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JOS
12/04/2017	Breeding	Vantage Point Survey	6A	01:00 starting at 18:38	Wind Speed and Direction:Calm, ; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JOS
12/04/2017	Breeding	Vantage Point Survey	6A	01:00 starting at 19:38	Wind Speed and Direction:Light Air, ; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JOS
12/04/2017	Breeding	Vantage Point Survey	6A	01:00 starting at 20:38	Wind Speed and Direction:Light Air, ; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JOS
30/05/2017	Breeding	Vantage Point Survey	6A	01:00 starting at 04:20	Wind Speed and Direction:Light Air, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JOS
30/05/2017	Breeding	Vantage Point Survey	6A	00:41 starting at 05:20	Wind Speed and Direction:Light Air, W; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: Drizzle Mist; Frost: None ; Snow: None	Survey stopped at 06:01 due to poor visibility <500m and cloud height <150m obscuring hills.	JOS
30/05/2017	Breeding	Vantage Point Survey	6A	01:00 starting at 09:00	Wind Speed and Direction:Calm, ; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JOS

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
30/05/2017	Breeding	Vantage Point Survey	6A	01:00 starting at 10:00	Wind Speed and Direction:Calm, ; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JOS
02/06/2017	Breeding	Vantage Point Survey	6A	01:00 starting at 10:00	Wind Speed and Direction:Gentle Breeze, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None		JOS
02/06/2017	Breeding	Vantage Point Survey	6A	01:00 starting at 11:00	Wind Speed and Direction:Gentle Breeze, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None		JOS
02/06/2017	Breeding	Vantage Point Survey	6A	00:45 starting at 12:00	Wind Speed and Direction:Gentle Breeze, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None		JOS
14/06/2017	Breeding	Vantage Point Survey	6A	01:00 starting at 10:00	Wind Speed and Direction:Light Air, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None		DMCG
14/06/2017	Breeding	Vantage Point Survey	6A	01:00 starting at 11:00	Wind Speed and Direction:Light Air, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None		DMCG
14/06/2017	Breeding	Vantage Point Survey	6A	01:00 starting at 12:00	Wind Speed and Direction:Light Air, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66 - 100 Rain: None; Frost: None ; Snow: None		DMCG

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
14/06/2017	Breeding	Vantage Point Survey	6A	01:00 starting at 13:30	Wind Speed and Direction:Light Air, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None		DMCG
14/06/2017	Breeding	Vantage Point Survey	6A	01:00 starting at 14:30	Wind Speed and Direction:Light Breeze, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None		DMCG
14/06/2017	Breeding	Vantage Point Survey	6A	01:00 starting at 15:30	Wind Speed and Direction:Light Air, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None		DMCG
04/07/2017	Breeding	Vantage Point Survey	6A	00:15 starting at 10:00	Wind Speed and Direction:Calm, ; Visibility: Poor (<km); Cloud Height: <150m; Cloud Cover %: 66-100 Rain: Drizzle Mist; Frost: None ; Snow: None	10:15 - visibility 500m; survey paused.	JOS
04/07/2017	Breeding	Vantage Point Survey	6A	01:00 starting at 10:40	Wind Speed and Direction:Calm, ; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: Drizzle Mist; Frost: None ; Snow: None		JOS
04/07/2017	Breeding	Vantage Point Survey	6A	01:00 starting at 11:40	Wind Speed and Direction:Calm, ; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JOS
04/07/2017	Breeding	Vantage Point Survey	6A	01:00 starting at 12:40	Wind Speed and Direction:Light Air, ; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JOS

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
04/07/2017	Breeding	Vantage Point Survey	6A	01:00 starting at 14:10	Wind Speed and Direction:Light Air, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None		JOS
04/07/2017	Breeding	Vantage Point Survey	6A	01:00 starting at 15:10	Wind Speed and Direction:Light Air, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JOS
04/07/2017	Breeding	Vantage Point Survey	6A	01:00 starting at 16:10	Wind Speed and Direction:Calm, ; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JOS
18/08/2017	Breeding	Vantage Point Survey	6A	01:00 starting at 05:20	Wind Speed and Direction:Calm, ; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JOS
18/08/2017	Breeding	Vantage Point Survey	6A	01:00 starting at 06:20	Wind Speed and Direction:Calm, ; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None	06:30 - light rain shower. 06:36 rain stops. 07:02 - 07:11 light rain.	JOS
18/08/2017	Breeding	Vantage Point Survey	6A	01:00 starting at 07:20	Wind Speed and Direction:Calm, ; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: Light Showers; Frost: None ; Snow: None	08:05 - 08:18 heavy rain.	JOS
18/08/2017	Breeding	Vantage Point Survey	6A	01:00 starting at 08:50	Wind Speed and Direction:Calm, ; Visibility: Moderate (1-2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: Heavy Showers; Frost: None ; Snow: None	09:10 Heavy rain ends - visibility 2km.	JOS

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
18/08/2017	Breeding	Vantage Point Survey	6A	00:43 starting at 09:50	Wind Speed and Direction:Light Air, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	10:33 light rain. 10:33 VP ended at 10:33 due to parked wind turbine lorry obscuring view. . No target species recorded in part 2.	JOS
25/08/2017	Breeding	Vantage Point Survey	6A	01:00 starting at 08:50	Wind Speed and Direction:Light Air, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JOS
25/08/2017	Breeding	Vantage Point Survey	6A	00:20 starting at 09:50	Wind Speed and Direction:Light Air, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JOS
19/09/2017	Breeding	Vantage Point Survey	6A	01:00 starting at 14:13	Wind Speed and Direction:Light Air, W; Visibility: Limited (<500m); Cloud Height: <150m; Cloud Cover %: 66-100 Rain: Drizzle Mist; Frost: None ; Snow: None	14:13 - 15:38 Survey paused due to poor visibility.	JOS
19/09/2017	Breeding	Vantage Point Survey	6A	00:35 starting at 15:38	Wind Speed and Direction:Light Air, W; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: Light Showers; Frost: None ; Snow: None		JOS
19/09/2017	Breeding	Vantage Point Survey	6A	01:00 starting at 16:13	Wind Speed and Direction:Light Air, W; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: Light Showers; Frost: None ; Snow: None	No target species flightlines recorded in part 1.	JOS
19/09/2017	Breeding	Vantage Point Survey	6A	01:00 starting at 17:43	Wind Speed and Direction:Light Air, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JOS

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
19/09/2017	Breeding	Vantage Point Survey	6A	01:00 starting at 18:43	Wind Speed and Direction:Gentle Breeze, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JOS
19/09/2017	Breeding	Vantage Point Survey	6A	01:00 starting at 19:43	Wind Speed and Direction:Gentle Breeze, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JOS
25/09/2017	Breeding	Vantage Point Survey	6A	01:30 starting at 15:00	Wind Speed and Direction:Gentle Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None		JOS
02/10/2017	Non-Breeding	Vantage Point Survey	6A	01:00 starting at 06:38	Wind Speed and Direction:Light Breeze, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: Light Showers; Frost: None ; Snow: None		JOS
02/10/2017	Non-Breeding	Vantage Point Survey	6A	01:00 starting at 07:38	Wind Speed and Direction:Light Breeze, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None		JOS
02/10/2017	Non-Breeding	Vantage Point Survey	6A	01:00 starting at 08:38	Wind Speed and Direction:Light Breeze, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None		JOS
02/10/2017	Non-Breeding	Vantage Point Survey	6A	01:00 starting at 10:40	Wind Speed and Direction:Light Breeze, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None		JOS

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
02/10/2017	Non-Breeding	Vantage Point Survey	6A	01:00 starting at 11:40	Wind Speed and Direction:Gentle Breeze, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None		JOS
02/10/2017	Non-Breeding	Vantage Point Survey	6A	01:00 starting at 12:40	Wind Speed and Direction:Light Air, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None		JOS
14/11/2017	Non Breeding	Vantage Point Survey	6A	03:00 starting at 11:15	Wind Speed and Direction:Moderate Breeze, W; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 33-66 Rain: Light Showers; Frost: None ; Snow: None		JK
14/11/2017	Non Breeding	Vantage Point Survey	6A	03:00 starting at 14:45	Wind Speed and Direction:Moderate Breeze, W; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None		JK
07/01/2018	Non-breeding	Vantage Point Survey	6A	03:00 starting at 07:49	Wind Speed and Direction:Light Air, E; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: On site; Snow: None	DECEMBER SURVEYS	S Meehan
07/01/2018	Non-breeding	Vantage Point Survey	6A	03:00 starting at 11:19	Wind Speed and Direction:Calm, E; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None	DECEMBER SURVEYS	S Meehan
19/01/2018	Non-breeding	Vantage Point Survey	6A	01:00 starting at 11:25	Wind Speed and Direction:Light Air, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		PM

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
19/01/2018	Non-breeding	Vantage Point Survey	6A	02:00 starting at 12:25	Wind Speed and Direction:Light Air, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: Light Showers; Frost: None ; Snow: None		PM
19/01/2018	Non-breeding	Vantage Point Survey	6A	01:00 starting at 14:55	Wind Speed and Direction:Light Air, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		PM
19/01/2018	Non-breeding	Vantage Point Survey	6A	02:00 starting at 15:55	Wind Speed and Direction:Light Air, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		PM
14/02/2018	Non-Breeding	Vantage Point Survey	6A	03:00 starting at 06:56	Wind Speed and Direction:Gentle Breeze, S; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 100 Rain: Light Showers; Frost: None ; Snow: None		CP
14/02/2018	Non-Breeding	Vantage Point Survey	6A	03:00 starting at 10:26	Wind Speed and Direction:Gentle Breeze, SW; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 50 Rain: Light Showers; Frost: None ; Snow: None	Sunny intervals	CP
12/03/2018	Both (Overlap)	Vantage Point Survey	6A	01:00 starting at 13:04	Wind Speed and Direction:Light Air, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JC
12/03/2018	Both (Overlap)	Vantage Point Survey	6A	01:00 starting at 14:04	Wind Speed and Direction:Light Air, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JC

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
12/03/2018	Both (Overlap)	Vantage Point Survey	6A	01:00 starting at 15:04	Wind Speed and Direction:Light Air, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JC
12/03/2018	Both (Overlap)	Vantage Point Survey	6A	01:00 starting at 16:34	Wind Speed and Direction:Light Air, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-65 Rain: None; Frost: None ; Snow: None		JC
12/03/2018	Both (Overlap)	Vantage Point Survey	6A	01:00 starting at 17:34	Wind Speed and Direction:Calm, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-32 Rain: Light Showers; Frost: None ; Snow: None		JC
12/03/2018	Both (Overlap)	Vantage Point Survey	6A	01:00 starting at 18:34	Wind Speed and Direction:Calm, SW; Visibility: Poor (<km); Cloud Height: >500m; Cloud Cover %: 0-32 Rain: None; Frost: None ; Snow: None		JC

Table 2: Breeding Bird Surveys (Quadrat/Walkover Survey)

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
24/05/2017	Breeding	Breeding Walkover Survey	1	06:30 starting at 11:00	Wind Speed and Direction:Light Air, NW; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None		DMCG
17/07/2017	Breeding	Breeding Walkover Survey	1	01:00 starting at 10:20	Wind Speed and Direction:Light Air, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0 Rain: None; Frost: None ; Snow: None		DMcG
17/07/2017	Breeding	Breeding Walkover Survey	1	01:00 starting at 11:20	Wind Speed and Direction:Calm, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0 Rain: None; Frost: None ; Snow: None		DMcG
17/07/2017	Breeding	Breeding Walkover Survey	1	01:00 starting at 12:20	Wind Speed and Direction:Calm, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0 Rain: None; Frost: None ; Snow: None		DMcG
17/07/2017	Breeding	Breeding Walkover Survey	1	01:00 starting at 13:50	Wind Speed and Direction:Light Air, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0 Rain: None; Frost: None ; Snow: None		DMcG
17/07/2017	Breeding	Breeding Walkover Survey	1	01:00 starting at 14:50	Wind Speed and Direction:Light Air, N; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0 Rain: None; Frost: None ; Snow: None		DMcG
17/07/2017	Breeding	Breeding Walkover Survey	1	01:00 starting at 15:50	Wind Speed and Direction:Calm, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0 Rain: None; Frost: None ; Snow: None		DMcG
17/05/2017	Breeding	Breeding Walkover Survey	4	06:30 starting at 11:00	Wind Speed and Direction:Light Air, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0 Rain: None; Frost: None ; Snow: None		DMCG
13/07/2017	Breeding	Breeding Walkover Survey	4	01:00 starting at 10:30	Wind Speed and Direction:Light Breeze, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None		DMcG
13/07/2017	Breeding	Breeding Walkover Survey	4	01:00 starting at 11:30	Wind Speed and Direction:Light Air, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 100 Rain: Drizzle Mist; Frost: None ; Snow: None		DMcG

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
13/07/2017	Breeding	Breeding Walkover Survey	4	01:00 starting at 12:30	Wind Speed and Direction:Gentle Breeze, N; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 100 Rain: Drizzle Mist; Frost: None ; Snow: None		DMcG
13/07/2017	Breeding	Breeding Walkover Survey	4	01:00 starting at 14:00	Wind Speed and Direction:Light Breeze, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		DMcG
13/07/2017	Breeding	Breeding Walkover Survey	4	01:00 starting at 15:00	Wind Speed and Direction:Light Breeze, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: Light Showers; Frost: None ; Snow: None		DMcG
13/07/2017	Breeding	Breeding Walkover Survey	4	01:00 starting at 16:00	Wind Speed and Direction:Light Air, N; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None		DMcG
23/05/2017	Breeding	Breeding Walkover Survey	5	06:30 starting at 11:00	Wind Speed and Direction:Light Air, E; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None		DMcG
14/07/2017	Breeding	Breeding Walkover Survey	5	01:00 starting at 11:00	Wind Speed and Direction:Light Air, N; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None		DMcG
14/07/2017	Breeding	Breeding Walkover Survey	5	01:00 starting at 12:00	Wind Speed and Direction:Light Breeze, N; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None		DMcG
14/07/2017	Breeding	Breeding Walkover Survey	5	01:00 starting at 13:00	Wind Speed and Direction:Light Breeze, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None		DMcG
14/07/2017	Breeding	Breeding Walkover Survey	5	01:00 starting at 14:30	Wind Speed and Direction:Gentle Breeze, N; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None		DMcG

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
14/07/2017	Breeding	Breeding Walkover Survey	5	01:00 starting at 15:30	Wind Speed and Direction:Gentle Breeze, N; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None		DMcG
14/07/2017	Breeding	Breeding Walkover Survey	5	01:00 starting at 16:30	Wind Speed and Direction:Light Breeze, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None		DMcG
28/03/2016		Breeding Walkover Survey	Transect 7	00:29 starting at 09:53	Wind Speed and Direction:Gentle Breeze, SW; Visibility: ; Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None		CP
13/07/2017	Breeding	Breeding Walkover Survey	B&S section 2	01:00 starting at 10:30	Wind Speed and Direction:Light Air, ; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	Quadrat 1 surveyed by mini vp survey due to land access issues Vp carried out 10:30-11:27 & 11:38 - 12:38. . 11:05 - Light misty rain. 11:15 visibility 500m-1km due to mist. 11:20 rain stops visibility 1-2km, cloud height 150-500m. 11:27 misty rain; visibility 500m; cloud <150m. Vantage point survey stopped. 11:38 VP resumed as weather clears up rain stopped; visibility 2km, cloud height >500m. 12:38 vp stopped due to poor visibility.	JOS
13/07/2017	Breeding	Breeding Walkover Survey	B&S section 2	01:00 starting at 11:38	Wind Speed and Direction:Calm, ; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JOS

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
13/07/2017	Breeding	Breeding Walkover Survey	B&S section 2	01:00 starting at 12:38	Wind Speed and Direction:Light Breeze, NE; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: Drizzle Mist; Frost: None ; Snow: None		JOS
13/07/2017	Breeding	Breeding Walkover Survey	B&S section 2	01:00 starting at 14:10	Wind Speed and Direction:Moderate Breeze, NE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JOS
13/07/2017	Breeding	Breeding Walkover Survey	B&S section 2	01:00 starting at 15:10	Wind Speed and Direction:Moderate Breeze, NE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JOS
13/07/2017	Breeding	Breeding Walkover Survey	B&S section 2	01:00 starting at 16:10	Wind Speed and Direction:Gentle Breeze, NE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JOS
14/07/2017	Breeding	Breeding Walkover Survey	B&S section 3	01:00 starting at 10:50	Wind Speed and Direction:Calm, ; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JOS
14/07/2017	Breeding	Breeding Walkover Survey	B&S section 3	01:00 starting at 11:50	Wind Speed and Direction:Fresh Breeze, SE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JOS
14/07/2017	Breeding	Breeding Walkover Survey	B&S section 3	01:00 starting at 12:50	Wind Speed and Direction:Fresh Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JOS
14/07/2017	Breeding	Breeding Walkover Survey	B&S section 3	01:00 starting at 14:20	Wind Speed and Direction:Fresh Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JOS
14/07/2017	Breeding	Breeding Walkover Survey	B&S section 3	01:00 starting at 15:20	Wind Speed and Direction:Fresh Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JOS

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
14/07/2017	Breeding	Breeding Walkover Survey	B&S section 3	01:00 starting at 16:20	Wind Speed and Direction: Fresh Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None; Snow: None		JOS
11/05/2016	Breeding	Breeding Walkover Survey	Central section	06:00 starting at 09:30	wind speed and direction: Light Air, ; visibility: Moderate (1-2km); Rain: None; Frost: None; Snow: None		PC
27/04/2016	Breeding	Breeding Walkover Survey	East Section	07:30 starting at 08:00	wind speed and direction: Light Air, ; visibility: Good (>2km); Rain: Light Showers; Frost: None; Snow: None		PC
28/04/2016	Breeding	Breeding Walkover Survey	N section	07:00 starting at 08:00	wind speed and direction: Light Breeze, ; visibility: Good (>2km); Rain: Drizzle Mist; Frost: None; Snow: None		PC
12/05/2016	Breeding	Breeding Walkover Survey	N section	07:00 starting at 08:30	wind speed and direction: Light Breeze, ; visibility: Moderate (1-2km); Rain: None; Frost: None; Snow: None		PC
20/05/2016	Breeding	Breeding Walkover Survey	S section	06:30 starting at 08:00	wind speed and direction: Light Air, ; visibility: Good (>2km); Rain: Drizzle Mist; Frost: None; Snow: None		PC
18/04/2016	Breeding	Breeding Walkover Survey	SE section	08:00 starting at 08:00	wind speed and direction: Light Breeze, ; visibility: Good (>2km); Rain: None; Frost: None; Snow: None		PC
09/05/2016	Breeding	Breeding Walkover Survey	SE section	06:00 starting at 09:00	wind speed and direction: Light Breeze, ; visibility: Good (>2km); Rain: None; Frost: None; Snow: None		PC
21/04/2017	Breeding	Breeding Walkover Survey	Section 1	03:10 starting at 13:40	Wind Speed and Direction: Calm, ; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None; Snow: None		JOS
25/06/2016	Breeding	Breeding Walkover Survey	Section 1 Q1, Q3	03:00 starting at 14:00	wind speed and direction: ., ; visibility: ; Rain: ; Frost: ; Snow: None		Sean M
24/07/2016	Breeding	Breeding Walkover Survey	Section 1 Q1, Q3	03:00 starting at 12:00	wind speed and direction: ., ; visibility: ; Rain: ; Frost: ; Snow: None		Sean M

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
26/06/2016	Breeding	Breeding Walkover Survey	Section 1 Q2, Q4	03:00 starting at 09:00	wind speed and direction:, ; visibility: ; Rain: ; Frost: ; Snow: None		Sean M
23/07/2016	Breeding	Breeding Walkover Survey	Section 1 Q2, Q4	03:00 starting at 15:00	wind speed and direction:, ; visibility: ; Rain: ; Frost: ; Snow: None		Sean M
20/04/2017	Breeding	Breeding Walkover Survey	Section 2	04:17 starting at 09:15	Wind Speed and Direction:Calm, ; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JOS
23/05/2017	Breeding	Breeding Walkover Survey	Section 2	06:15 starting at 11:15	Wind Speed and Direction:Calm, ; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	Mini vp (near VP6, covering view of Mr. Walshes land) 11:15 - 13:15.	JOS
19/06/2017	Breeding	Breeding Walkover Survey	Section 2	06:00 starting at 10:30	Wind Speed and Direction:Gentle Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None	Section 2 Q3&Q1 surveyed by mini 2 hour VP (10:30-12:30) due to land access issues.	JOS
25/07/2016	Breeding	Breeding Walkover Survey	Section 2 Q1	01:00 starting at 15:15	wind speed and direction:, ; visibility: ; Rain: ; Frost: ; Snow: None		Sean M
25/07/2016	Breeding	Breeding Walkover Survey	Section 2 Q1	01:00 starting at 16:30	wind speed and direction:, ; visibility: ; Rain: ; Frost: ; Snow: None		Sean M
25/07/2016	Breeding	Breeding Walkover Survey	Section 2 Q2	01:00 starting at 14:00	wind speed and direction:, ; visibility: ; Rain: ; Frost: ; Snow: None		Sean M
30/06/2016	Breeding	Breeding Walkover Survey	Section 2 Q3,4	03:30 starting at 10:00	wind speed and direction:, ; visibility: ; Rain: ; Frost: ; Snow: None		Sean M
25/07/2016	Breeding	Breeding Walkover Survey	Section 2 Q3,4	02:00 starting at 11:30	wind speed and direction:, ; visibility: ; Rain: ; Frost: ; Snow: None		Sean M

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
27/04/2017	Breeding	Breeding Walkover Survey	Section 3	04:50 starting at 13:20	Wind Speed and Direction: Moderate Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None; Snow: None		JOS
24/05/2017	Breeding	Breeding Walkover Survey	Section 3	05:30 starting at 11:30	Wind Speed and Direction: Calm, ; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None; Snow: None	No significant observations of target species.	JOS
21/06/2017	Breeding	Breeding Walkover Survey	Section 3	06:45 starting at 10:15	Wind Speed and Direction: Gentle Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None; Snow: None		JOS
27/06/2016	Breeding	Breeding Walkover Survey	Section 3 Q2, Q4	03:00 starting at 12:00	wind speed and direction: ; ; visibility: ; Rain: ; Frost: ; Snow: None		Sean M
15/07/2016	Breeding	Breeding Walkover Survey	Section 3 Q2, Q4	03:00 starting at 15:10	wind speed and direction: ; ; visibility: ; Rain: ; Frost: ; Snow: None		Sean M
28/06/2016	Breeding	Breeding Walkover Survey	Section 3 Q3, Q1	03:00 starting at 15:00	wind speed and direction: ; ; visibility: ; Rain: ; Frost: ; Snow: None		Sean M
15/07/2016	Breeding	Breeding Walkover Survey	Section 3 Q3, Q1	03:00 starting at	wind speed and direction: ; ; visibility: ; Rain: ; Frost: ; Snow: None		Sean M
15/06/2016	Breeding	Breeding Walkover Survey	Section 4 Q1, Q2	03:00 starting at 15:00	wind speed and direction: ; ; visibility: ; Rain: ; Frost: ; Snow: None		Sean M
20/07/2016	Breeding	Breeding Walkover Survey	Section 4 Q1, Q2	03:00 starting at 15:00	wind speed and direction: ; ; visibility: ; Rain: ; Frost: ; Snow: None		Sean M
16/06/2016	Breeding	Breeding Walkover Survey	Section 4 Q3, Q4	03:00 starting at 15:00	wind speed and direction: ; ; visibility: ; Rain: ; Frost: ; Snow: None		Sean M
25/07/2016	Breeding	Breeding Walkover Survey	Section 4 Q3, Q4	03:00 starting at 08:00	wind speed and direction: ; ; visibility: ; Rain: ; Frost: ; Snow: None		Sean M

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
23/06/2016	Breeding	Breeding Walkover Survey	Section 5 Q1, Q2	03:00 starting at 15:00	wind speed and direction: ; visibility: ; Rain: ; Frost: ; Snow: None		Sean M
26/07/2016	Breeding	Breeding Walkover Survey	Section 5 Q1, Q2	02:00 starting at 07:00	wind speed and direction: ; visibility: ; Rain: ; Frost: ; Snow: None		Sean M
24/06/2016	Breeding	Breeding Walkover Survey	Section 5 Q3, Q4	02:00 starting at 14:00	wind speed and direction: ; visibility: ; Rain: ; Frost: ; Snow: None		Sean M
26/07/2016	Breeding	Breeding Walkover Survey	Section 5 Q3, Q4	02:15 starting at 09:15	wind speed and direction: ; visibility: ; Rain: ; Frost: ; Snow: None		Sean M
05/05/2017	Breeding	Breeding Walkover Survey	Section 5, Quadrat 1&2	02:30 starting at 14:30	Wind Speed and Direction:Fresh Breeze, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None	No target species recorded during survey.	JOS
05/05/2017	Breeding	Breeding Walkover Survey	Section 5, Quadrat 1&2	02:30 starting at 14:30	Wind Speed and Direction:Fresh Breeze, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None	No significant observations of target species.	JOS
19/04/2016	Breeding	Breeding Walkover Survey	SW section	07:30 starting at 08:00	wind speed and direction:Light Air, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		PC
28/03/2016		Breeding Walkover Survey	Transect 1	00:05 starting at 08:28	Wind Speed and Direction:Gentle Breeze, SW; Visibility: ; Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None		CP
28/03/2016		Breeding Walkover Survey	Transect 10	00:12 starting at 12:09	Wind Speed and Direction:Gentle Breeze, SW; Visibility: ; Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None		CP
28/03/2016		Breeding Walkover Survey	Transect 11	00:13 starting at 13:22	Wind Speed and Direction:Gentle Breeze, SW; Visibility: ; Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None		CP
28/03/2016		Breeding Walkover Survey	Transect 12	00:08 starting at 13:36	Wind Speed and Direction:Gentle Breeze, SW; Visibility: ; Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None		CP
28/03/2016		Breeding Walkover Survey	Transect 13	00:51 starting at 13:51	Wind Speed and Direction:Gentle Breeze, SW; Visibility: ; Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None		CP

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
28/03/2016		Breeding Walkover Survey	Transect 14	00:06 starting at 16:08	Wind Speed and Direction:Gentle Breeze, SW; Visibility: ; Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None		CP
28/03/2016		Breeding Walkover Survey	Transect 15	00:36 starting at 16:19	Wind Speed and Direction:Gentle Breeze, SW; Visibility: ; Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None		CP
28/03/2016		Breeding Walkover Survey	Transect 2	00:19 starting at 08:33	Wind Speed and Direction:Gentle Breeze, SW; Visibility: ; Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None		CP
28/03/2016		Breeding Walkover Survey	Transect 3	00:15 starting at 08:53	Wind Speed and Direction:Gentle Breeze, SW; Visibility: ; Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None		CP
28/03/2016		Breeding Walkover Survey	Transect 4	00:09 starting at 09:09	Wind Speed and Direction:Gentle Breeze, SW; Visibility: ; Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None		CP
28/03/2016		Breeding Walkover Survey	Transect 5	00:12 starting at 09:19	Wind Speed and Direction:Gentle Breeze, SW; Visibility: ; Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None		CP
28/03/2016		Breeding Walkover Survey	Transect 6	00:20 starting at 09:32	Wind Speed and Direction:Gentle Breeze, SW; Visibility: ; Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None		CP
28/03/2016		Breeding Walkover Survey	Transect 8	00:17 starting at 11:10	Wind Speed and Direction:Gentle Breeze, SW; Visibility: ; Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None		CP
28/03/2016		Breeding Walkover Survey	Transect 9	00:22 starting at 11:28	Wind Speed and Direction:Gentle Breeze, SW; Visibility: ; Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None		CP
29/04/2016	Breeding	Breeding Walkover Survey	W section	07:00 starting at 08:00	wind speed and direction:Light Air, ; visibility: Good (>2km); Rain: Drizzle Mist; Frost: None ; Snow: None		PC
27/05/2016	Breeding	Breeding Walkover Survey	W section	08:00 starting at 06:00	wind speed and direction:Light Air, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		PC

Table 3: Breeding Raptor Survey

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
25/05/2017	Breeding	Breeding Raptor Survey	1	06:30 starting at 11:00	Wind Speed and Direction:Light Breeze, E; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0 Rain: None; Frost: None ; Snow: None		DMCG
13/06/2017	Breeding	Breeding Raptor Survey	2	06:30 starting at 10:00	Wind Speed and Direction:Moderate Breeze, NE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None		DMCG
11/04/2016	Breeding	Breeding Raptor Survey	East Section	08:30 starting at 08:00	Wind Speed and Direction:Gentle Breeze, SE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66 Rain: Drizzle Mist; Frost: None ; Snow: None		PC
16/05/2016	Breeding	Breeding Raptor Survey	East Section	08:00 starting at 07:30	wind speed and direction:Light Breeze, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		PC
28/06/2016	Breeding	Breeding Raptor Survey	East Section	06:30 starting at 06:30	wind speed and direction:Gentle Breeze, ; visibility: Good (>2km); Rain: Light Showers; Frost: None ; Snow: None		PC
27/07/2016	Breeding	Breeding Raptor Survey	East Section	03:00 starting at 07:40	wind speed and direction:Light Air, ; visibility: Good (>2km); Rain: Drizzle Mist; Frost: None ; Snow: None		PC
12/04/2016	Breeding	Breeding Raptor Survey	NE section	08:00 starting at 08:00	Wind Speed and Direction:Light Air, SE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None		PC
13/05/2016	Breeding	Breeding Raptor Survey	NE section	06:00 starting at 09:30	wind speed and direction:Light Breeze, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		PC
10/06/2016	Breeding	Breeding Raptor Survey	NE section	#VALUE!	wind speed and direction:Light Breeze, ; visibility: Moderate (1-2km); Rain: Light Showers; Frost: None ; Snow: None		PC
19/07/2016	Breeding	Breeding Raptor Survey	NE section	03:00 starting at 07:45	wind speed and direction:Light Air, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		PC

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
19/07/2016	Breeding	Breeding Raptor Survey	NE section	03:00 starting at 11:15	wind speed and direction:Light Breeze, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		PC
19/05/2016	Breeding	Breeding Raptor Survey	NW section	06:30 starting at 14:00	wind speed and direction:Moderate Breeze, ; visibility: Good (>2km); Rain: Light Showers; Frost: None ; Snow: None		PC
14/06/2016	Breeding	Breeding Raptor Survey	NW section	04:30 starting at 08:30	wind speed and direction:Gentle Breeze, ; visibility: No Visibility; Rain: None; Frost: None ; Snow: None		PC
15/07/2016	Breeding	Breeding Raptor Survey	NW section	06:00 starting at 08:00	wind speed and direction:Gentle Breeze, ; visibility: Moderate (1-2km); Rain: Light Showers; Frost: None ; Snow: None		PC
06/07/2017	Breeding	Breeding Raptor Survey	RVP2	01:00 starting at 10:30	Wind Speed and Direction:Gentle Breeze, N; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None		DMcG
06/07/2017	Breeding	Breeding Raptor Survey	RVP2	01:00 starting at 11:30	Wind Speed and Direction:Gentle Breeze, N; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None		DMcG
06/07/2017	Breeding	Breeding Raptor Survey	RVP2	01:00 starting at 12:30	Wind Speed and Direction:Light Breeze, N; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None		DMcG
06/07/2017	Breeding	Breeding Raptor Survey	RVP2	01:00 starting at 14:00	Wind Speed and Direction:Light Breeze, N; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		DMcG
06/07/2017	Breeding	Breeding Raptor Survey	RVP2	01:00 starting at 15:00	Wind Speed and Direction:Light Breeze, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None		DMcG

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
06/07/2017	Breeding	Breeding Raptor Survey	RVP2	01:00 starting at 16:00	Wind Speed and Direction:Light Air, S; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 100 Rain: Drizzle Mist; Frost: None ; Snow: None		DMcG
25/04/2016	Breeding	Breeding Raptor Survey	S section	06:30 starting at 08:00	wind speed and direction:Gentle Breeze, ; visibility: Good (>2km); Rain: Drizzle Mist; Frost: None ; Snow: None		PC
26/04/2016	Breeding	Breeding Raptor Survey	SE section	07:00 starting at 08:00	wind speed and direction:Gentle Breeze, ; visibility: Good (>2km); Rain: Drizzle Mist; Frost: None ; Snow: None		PC
17/05/2016	Breeding	Breeding Raptor Survey	SE section	07:00 starting at 06:30	wind speed and direction:Gentle Breeze, ; visibility: Moderate (1-2km); Rain: Light Showers; Frost: None ; Snow: None		PC
15/06/2016	Breeding	Breeding Raptor Survey	SE section	06:00 starting at 07:30	wind speed and direction:Gentle Breeze, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		PC
20/07/2016	Breeding	Breeding Raptor Survey	SE section	03:00 starting at 08:00	wind speed and direction:Gentle Breeze, ; visibility: Good (>2km); Rain: Light Showers; Frost: None ; Snow: None		PC
20/07/2016	Breeding	Breeding Raptor Survey	SE section	03:00 starting at 11:30	wind speed and direction:Gentle Breeze, ; visibility: Good (>2km); Rain: Light Showers; Frost: None ; Snow: None		PC
17/07/2017	Breeding	Breeding Raptor Survey	Section 1	01:00 starting at 11:00	Wind Speed and Direction:Gentle Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None		JOS
17/07/2017	Breeding	Breeding Raptor Survey	Section 1	01:00 starting at 12:00	Wind Speed and Direction:Gentle Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None		JOS
17/07/2017	Breeding	Breeding Raptor Survey	Section 1	01:00 starting at 13:00	Wind Speed and Direction:Gentle Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None		JOS

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
17/07/2017	Breeding	Breeding Raptor Survey	Section 1	01:00 starting at 14:30	Wind Speed and Direction:Gentle Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None		JOS
17/07/2017	Breeding	Breeding Raptor Survey	Section 1	01:00 starting at 15:30	Wind Speed and Direction:Gentle Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None		JOS
17/07/2017	Breeding	Breeding Raptor Survey	Section 1	01:00 starting at 16:30	Wind Speed and Direction:Gentle Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None		JOS
28/04/2017	Breeding	Breeding Raptor Survey	Section 3	03:00 starting at 11:20	Wind Speed and Direction:Fresh Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None	No target species recorded. Mini vp carried out at Ugool hill.	JOS
28/04/2017	Breeding	Breeding Raptor Survey	Section 3	03:00 starting at 14:50	Wind Speed and Direction:Light Breeze, sw; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	No target species recorded. Mini vp carried out at Knockaee hill.	JOS
25/05/2017	Breeding	Breeding Raptor Survey	Section 3	06:30 starting at 11:30	Wind Speed and Direction:Moderate Breeze, SE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	Mini vp at Ugool Hill, start 12:00-14:00. Break 14:30-15:30. Part 2 15:00-18:00.	JOS
12/07/2017	Breeding	Breeding Raptor Survey	Section 3	01:00 starting at 10:40	Wind Speed and Direction:Gentle Breeze, SE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None		JOS
12/07/2017	Breeding	Breeding Raptor Survey	Section 3	01:00 starting at 11:40	Wind Speed and Direction:Gentle Breeze, SE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None		JOS

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
12/07/2017	Breeding	Breeding Raptor Survey	Section 3	01:00 starting at 12:40	Wind Speed and Direction:Gentle Breeze, SE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JOS
12/07/2017	Breeding	Breeding Raptor Survey	Section 3	01:00 starting at 14:10	Wind Speed and Direction:Moderate Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JOS
12/07/2017	Breeding	Breeding Raptor Survey	Section 3	01:00 starting at 15:10	Wind Speed and Direction:Gentle Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JOS
12/07/2017	Breeding	Breeding Raptor Survey	Section 3	01:00 starting at 16:10	Wind Speed and Direction:Fresh Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	No target species recorded in part 2.	JOS
24/04/2017	Breeding	Breeding Raptor Survey	Section 4	03:00 starting at 11:10	Wind Speed and Direction:Moderate Breeze, w; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JOS
24/04/2017	Breeding	Breeding Raptor Survey	Section 4	03:00 starting at 14:40	Wind Speed and Direction:Moderate Breeze, w; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	16:04 light rain stops; cloud height becomes >500m.	JOS
04/05/2017	Breeding	Breeding Raptor Survey	Section 4	06:30 starting at 11:20	Wind Speed and Direction:Moderate Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	No raptors recorded	JOS
06/07/2017	Breeding	Breeding Raptor Survey	Section 4	01:00 starting at 10:45	Wind Speed and Direction:Gentle Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JOS
06/07/2017	Breeding	Breeding Raptor Survey	Section 4	01:00 starting at 11:45	Wind Speed and Direction:Gentle Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JOS

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
06/07/2017	Breeding	Breeding Raptor Survey	Section 4	01:00 starting at 12:45	Wind Speed and Direction: Moderate Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JOS
06/07/2017	Breeding	Breeding Raptor Survey	Section 4	01:00 starting at 14:15	Wind Speed and Direction: Moderate Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JOS
06/07/2017	Breeding	Breeding Raptor Survey	Section 4	01:00 starting at 15:15	Wind Speed and Direction: Moderate Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JOS
06/07/2017	Breeding	Breeding Raptor Survey	Section 4	01:00 starting at 16:15	Wind Speed and Direction: Gentle Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JOS
11/07/2017	Breeding	Breeding Raptor Survey	Section 5	01:00 starting at 10:15	Wind Speed and Direction: Gentle Breeze, NE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	10:56 - Light misty rain for approx 5 mins.	JOS
11/07/2017	Breeding	Breeding Raptor Survey	Section 5	01:00 starting at 11:15	Wind Speed and Direction: Gentle Breeze, NE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JOS
11/07/2017	Breeding	Breeding Raptor Survey	Section 5	01:00 starting at 12:15	Wind Speed and Direction: Gentle Breeze, NE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JOS
11/07/2017	Breeding	Breeding Raptor Survey	Section 5	01:00 starting at 13:45	Wind Speed and Direction: Gentle Breeze, NE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	14:07 - Wind picks up to moderate.	JOS

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
11/07/2017	Breeding	Breeding Raptor Survey	Section 5	01:00 starting at 14:45	Wind Speed and Direction:Gentle Breeze, NE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JOS
11/07/2017	Breeding	Breeding Raptor Survey	Section 5	01:00 starting at 15:45	Wind Speed and Direction:Gentle Breeze, NE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JOS
22/04/2016	Breeding	Breeding Raptor Survey	SW section	08:00 starting at 07:00	wind speed and direction:Gentle Breeze, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		PC
18/05/2016	Breeding	Breeding Raptor Survey	SW section	07:30 starting at 06:00	wind speed and direction:Gentle Breeze, ; visibility: Good (>2km); Rain: Drizzle Mist; Frost: None ; Snow: None		PC
29/06/2016	Breeding	Breeding Raptor Survey	SW section	06:30 starting at 07:00	wind speed and direction:Moderate Breeze, ; visibility: Good (>2km); Rain: Light Showers; Frost: None ; Snow: None		PC
22/07/2016	Breeding	Breeding Raptor Survey	SW section	03:00 starting at 09:30	wind speed and direction:Light Breeze, ; visibility: Good (>2km); Rain: Light Showers; Frost: None ; Snow: None		PC

Table 4: Red Grouse Surveys

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
05/03/2016	Both-Overlap	Red Grouse Survey	1	00:21 starting at 08:41	Wind Speed and Direction:., NNW; Visibility: ; Cloud Height: ; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None	M/13492/32171 to M/13876/32297	CP
31/03/2017	Breeding	Red Grouse Survey	1	00:25 starting at 12:25	wind speed and direction:Fresh Breeze, SW; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None	No target species recorded.	
05/03/2016	Both-Overlap	Red Grouse Survey	2	00:14 starting at 09:14	Wind Speed and Direction:., NNW; Visibility: ; Cloud Height: ; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None	M/14334/32701 to M/14544/33426	CP
31/03/2017	Breeding	Red Grouse Survey	2	00:30 starting at 13:05	wind speed and direction:Fresh Breeze, SW; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None	No target species recorded.	
05/03/2016	Both-Overlap	Red Grouse Survey	3	00:20 starting at 10:09	Wind Speed and Direction:., NNW; Visibility: ; Cloud Height: ; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None	M/12361/31694 to M/12485/32142	CP
31/03/2017	Breeding	Red Grouse Survey	3	00:10 starting at 14:45	wind speed and direction:Fresh Breeze, SW; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None	No target species recorded.	
05/03/2016	Both-Overlap	Red Grouse Survey	4	00:21 starting at 11:34	Wind Speed and Direction:., NNW; Visibility: ; Cloud Height: ; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None	M/14755/34765 to M/14877/35450	CP
31/03/2017	Breeding	Red Grouse Survey	4	00:15 starting at 15:05	wind speed and direction:Moderate Breeze, SW; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None	No target species recorded.	
05/03/2016	Both-Overlap	Red Grouse Survey	5	00:40 starting at 12:21	Wind Speed and Direction:., NNW; Visibility: ; Cloud Height: ; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None	M/14766/35660 to M/14727/36986	CP
31/03/2017	Breeding	Red Grouse Survey	5	00:30 starting at 16:30	wind speed and direction:Moderate Breeze, SW; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None	No target species recorded.	
05/03/2016	Both-Overlap	Red Grouse Survey	6	00:25 starting at 13:48	Wind Speed and Direction:., NNW; Visibility: ; Cloud Height: ; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None	M/14041/35491 to M/12656/34864	CP

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
05/03/2016	Both-Overlap	Red Grouse Survey	7	00:11 starting at 15:01	Wind Speed and Direction:, NNW; Visibility: ; Cloud Height: ; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None	M/14214/35861 to H/14253/36023	CP
05/03/2016	Both-Overlap	Red Grouse Survey	8	00:16 starting at 15:44	Wind Speed and Direction:, NNW; Visibility: ; Cloud Height: ; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None	M/14382/37010 to M/14051/37129	CP
05/03/2016	Both-Overlap	Red Grouse Survey	9	00:21 starting at 16:40	Wind Speed and Direction:, NNW; Visibility: ; Cloud Height: ; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None	M/13823/37053 to M/13292/36943	CP
05/03/2016	Both-Overlap	Red Grouse Survey	10	00:26 starting at 17:55	Wind Speed and Direction:, NNW; Visibility: ; Cloud Height: ; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None	M/10780/34617 to M/11913/35428	CP
11/05/2016	Breeding	Red Grouse Survey	11	00:11 starting at 14:11	Wind Speed and Direction:, S; Visibility: ; Cloud Height: ; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	M/11180/33475 to M/11118/33266	CP
11/05/2016	Breeding	Red Grouse Survey	12	00:28 starting at 14:38	Wind Speed and Direction:, S; Visibility: ; Cloud Height: ; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	M/11016/33079 to M/10462/32830	CP
11/05/2016	Breeding	Red Grouse Survey	13	00:14 starting at 15:52	Wind Speed and Direction:, S; Visibility: ; Cloud Height: ; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	M/11800/33180 to M/11677/32958	CP
11/05/2016	Breeding	Red Grouse Survey	14	00:26 starting at 17:02	Wind Speed and Direction:, S; Visibility: ; Cloud Height: ; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	M/12109/31606 to M/11617/31171	CP

Table 5: White-tailed Eagle Survey

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
30/05/2016	Breeding	White-Tailed Eagle Survey	WEVP1	04:00 starting at 13:00	wind speed and direction:Gentle Breeze, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		PC
23/06/2016	Breeding	White-Tailed Eagle Survey	WEVP1	03:00 starting at 10:30	wind speed and direction:Gentle Breeze, ; visibility: Good (>2km); Rain: Drizzle Mist; Frost: None ; Snow: None		PC
23/06/2016	Breeding	White-Tailed Eagle Survey	WEVP1	03:00 starting at 14:00	wind speed and direction:Gentle Breeze, ; visibility: Good (>2km); Rain: Drizzle Mist; Frost: None ; Snow: None		PC
05/07/2016	Breeding	White-Tailed Eagle Survey	WEVP1	03:00 starting at 10:35	wind speed and direction:Light Breeze, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		PC
05/07/2016	Breeding	White-Tailed Eagle Survey	WEVP1	03:00 starting at 14:05	wind speed and direction:Light Breeze, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		PC
17/08/2016	Breeding	White-Tailed Eagle Survey	WEVP1	03:00 starting at 07:00	wind speed and direction:Moderate Breeze, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		Sean M
17/08/2016	Breeding	White-Tailed Eagle Survey	WEVP1	03:00 starting at 10:30	wind speed and direction:Moderate Breeze, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		Sean M
21/03/2017	Both (Overlap)	White-Tailed Eagle Survey	WEVP1	01:00 starting at 10:15	wind speed and direction:Gentle Breeze, NE; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		JOS
21/03/2017	Both (Overlap)	White-Tailed Eagle Survey	WEVP1	01:00 starting at 11:15	wind speed and direction:Light Air, NE; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		JOS
21/03/2017	Both (Overlap)	White-Tailed Eagle Survey	WEVP1	01:00 starting at 12:15	wind speed and direction:Gentle Breeze, NE; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		JOS
21/03/2017	Both (Overlap)	White-Tailed Eagle Survey	WEVP1	01:00 starting at 13:45	wind speed and direction:Gentle Breeze, NE; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None	14:20 Hail for 5 minutes	JOS

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
21/03/2017	Both (Overlap)	White-Tailed Eagle Survey	WEVP1	01:00 starting at 14:45	wind speed and direction:Gentle Breeze, NE; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		JOS
21/03/2017	Both (Overlap)	White-Tailed Eagle Survey	WEVP1	01:00 starting at 15:45	wind speed and direction:Gentle Breeze, NE; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		JOS
24/03/2017	Both (Overlap)	White-Tailed Eagle Survey	WEVP1	01:00 starting at 09:30	wind speed and direction:Light Air, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		JOS
24/03/2017	Both (Overlap)	White-Tailed Eagle Survey	WEVP1	01:00 starting at 10:30	wind speed and direction:Light Air, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		JOS
07/04/2017	Breeding	White-Tailed Eagle Survey	WEVP1	01:00 starting at 10:10	Wind Speed and Direction:Light Air, NE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	Slight hazy glare	JOS
07/04/2017	Breeding	White-Tailed Eagle Survey	WEVP1	01:00 starting at 11:10	Wind Speed and Direction:Light Air, NE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JOS
07/04/2017	Breeding	White-Tailed Eagle Survey	WEVP1	01:00 starting at 12:10	Wind Speed and Direction:Gentle Breeze, NE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JOS
07/04/2017	Breeding	White-Tailed Eagle Survey	WEVP1	01:00 starting at 13:40	Wind Speed and Direction:Moderate Breeze, NE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	No target species recorded.	JOS
07/04/2017	Breeding	White-Tailed Eagle Survey	WEVP1	01:00 starting at 14:40	Wind Speed and Direction:Calm, NE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JOS

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
07/04/2017	Breeding	White-Tailed Eagle Survey	WEVP1	01:00 starting at 15:40	Wind Speed and Direction:Light Air, NE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JOS
14/06/2017	Breeding	White-Tailed Eagle Survey	WEVP1	01:00 starting at 10:30	Wind Speed and Direction:Moderate Breeze, SE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JOS
14/06/2017	Breeding	White-Tailed Eagle Survey	WEVP1	01:00 starting at 11:30	Wind Speed and Direction:Moderate Breeze, SE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JOS
14/06/2017	Breeding	White-Tailed Eagle Survey	WEVP1	01:00 starting at 12:30	Wind Speed and Direction:Moderate Breeze, SE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JOS
14/06/2017	Breeding	White-Tailed Eagle Survey	WEVP1	01:00 starting at 14:00	Wind Speed and Direction:Fresh Breeze, SE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JOS
14/06/2017	Breeding	White-Tailed Eagle Survey	WEVP1	01:00 starting at 15:00	Wind Speed and Direction:Fresh Breeze, SE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: Light Showers; Frost: None ; Snow: None		JOS
14/06/2017	Breeding	White-Tailed Eagle Survey	WEVP1	01:00 starting at 16:00	Wind Speed and Direction:Fresh Breeze, SE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JOS
03/02/2017	Non-Breeding	White-Tailed Eagle Survey	WEVP1	01:00 starting at 11:00	wind speed and direction:Fresh Breeze, SW; visibility: Good (>2km); Rain: Heavy Showers; Frost: None ; Snow: None		AOD
03/02/2017	Non-Breeding	White-Tailed Eagle Survey	WEVP1	01:00 starting at 12:00	wind speed and direction:Fresh Breeze, SW; visibility: Good (>2km); Rain: Heavy Rain; Frost: None ; Snow: None		AOD

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
03/02/2017	Non-Breeding	White-Tailed Eagle Survey	WEVP1	01:00 starting at 13:00	wind speed and direction:Fresh Breeze, W; visibility: Limited (<500m); Rain: Heavy Rain; Frost: None ; Snow: None		AOD
03/02/2017	Non-Breeding	White-Tailed Eagle Survey	WEVP1	01:00 starting at 14:00	wind speed and direction:Strong Breeze, S; visibility: Limited (<500m); Rain: Heavy Rain; Frost: None ; Snow: None		AOD
03/08/2017	Non-Breeding	White-Tailed Eagle Survey	WEVP1	01:00 starting at 11:50	wind speed and direction:Gentle Breeze, SW; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		AOD
03/08/2017	Non-Breeding	White-Tailed Eagle Survey	WEVP1	01:00 starting at 12:50	wind speed and direction:Gentle Breeze, SW; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		AOD
03/08/2017	Non-Breeding	White-Tailed Eagle Survey	WEVP1	01:00 starting at 13:50	wind speed and direction:Gentle Breeze, SW; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		AOD
03/09/2017	Non-Breeding	White-Tailed Eagle Survey	WEVP1	01:00 starting at 10:45	wind speed and direction:Gentle Breeze, SE; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		AOD
03/09/2017	Non-Breeding	White-Tailed Eagle Survey	WEVP1	01:00 starting at 11:45	wind speed and direction:Gentle Breeze, SE; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		AOD
03/09/2017	Non-Breeding	White-Tailed Eagle Survey	WEVP1	01:00 starting at 12:45	wind speed and direction:Gentle Breeze, SE; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		AOD
03/09/2017	Non-Breeding	White-Tailed Eagle Survey	WEVP1	01:00 starting at 14:15	wind speed and direction:Light Breeze, SE; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		AOD
03/09/2017	Non-Breeding	White-Tailed Eagle Survey	WEVP1	01:00 starting at 15:15	wind speed and direction:Light Breeze, SE; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		AOD
03/09/2017	Non-Breeding	White-Tailed Eagle Survey	WEVP1	01:00 starting at 16:15	wind speed and direction:Light Breeze, SE; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		AOD

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
15/08/2017	Breeding	White-Tailed Eagle Survey	WEVP1	00:30 starting at 12:00	Wind Speed and Direction:Gentle Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	No target species recorded.	JOS
12/02/2018	Non-Breeding	White-Tailed Eagle Survey	WEVP1	01:00 starting at 09:00	Wind Speed and Direction:Gentle Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JC
12/02/2018	Non-Breeding	White-Tailed Eagle Survey	WEVP1	01:00 starting at 10:00	Wind Speed and Direction:Gentle Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JC
12/02/2018	Non-Breeding	White-Tailed Eagle Survey	WEVP1	01:00 starting at 11:00	Wind Speed and Direction:Moderate Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: Drizzle Mist; Frost: None ; Snow: None	windy	JC
12/02/2018	Non-Breeding	White-Tailed Eagle Survey	WEVP1	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		JC
12/02/2018	Non-Breeding	White-Tailed Eagle Survey	WEVP1	01:00 starting at 13:30	Wind Speed and Direction:Gentle Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JC
12/02/2018	Non-Breeding	White-Tailed Eagle Survey	WEVP1	01:00 starting at 14:30	Wind Speed and Direction:Moderate Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: Drizzle Mist; Frost: None ; Snow: None		JC
31/05/2016	Breeding	White-Tailed Eagle Survey	WEVP2	03:50 starting at 12:40	wind speed and direction:Gentle Breeze, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		PC

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
24/06/2016	Breeding	White-Tailed Eagle Survey	WEVP2	03:00 starting at 08:00	wind speed and direction: Moderate Breeze, ; visibility: Good (>2km); Rain: Light Showers; Frost: None ; Snow: None		PC
24/06/2016	Breeding	White-Tailed Eagle Survey	WEVP2	03:30 starting at 11:00	wind speed and direction: Moderate Breeze, ; visibility: Good (>2km); Rain: Light Showers; Frost: None ; Snow: None		PC
07/07/2016	Breeding	White-Tailed Eagle Survey	WEVP2	03:00 starting at 10:45	wind speed and direction: Gentle Breeze, ; visibility: Good (>2km); Rain: Light Showers; Frost: None ; Snow: None		PC
07/07/2016	Breeding	White-Tailed Eagle Survey	WEVP2	02:00 starting at 14:15	wind speed and direction: Gentle Breeze, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		PC
22/08/2016	Breeding	White-Tailed Eagle Survey	WEVP2	03:00 starting at 08:00	wind speed and direction: Gentle Breeze, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		Sean M
22/08/2016	Breeding	White-Tailed Eagle Survey	WEVP2	03:00 starting at 11:30	wind speed and direction: Gentle Breeze, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		Sean M
03/03/2017	Both (Overlap)	White-Tailed Eagle Survey	WEVP2	01:00 starting at 10:30	wind speed and direction: Fresh Breeze, SE; visibility: Moderate (1-2km); Rain: Drizzle Mist; Frost: None ; Snow: None		JOS
03/03/2017	Both (Overlap)	White-Tailed Eagle Survey	WEVP2	01:00 starting at 11:30	wind speed and direction: Fresh Breeze, SE; visibility: Good (>2km); Rain: Drizzle Mist; Frost: None ; Snow:		JOS
03/03/2017	Both (Overlap)	White-Tailed Eagle Survey	WEVP2	01:00 starting at 12:30	wind speed and direction: Fresh Breeze, SE; visibility: Moderate (1-2km); Rain: Drizzle Mist; Frost: None ; Snow:		JOS
03/03/2017	Both (Overlap)	White-Tailed Eagle Survey	WEVP2	01:00 starting at 14:00	wind speed and direction: Strong Breeze, SE; visibility: Good (>2km); Rain: Light Showers; Frost: None ; Snow: None		JOS
03/03/2017	Both (Overlap)	White-Tailed Eagle Survey	WEVP2	01:00 starting at 15:00	wind speed and direction: Strong Breeze, SE; visibility: Good (>2km); Rain: Light Showers; Frost: None ; Snow: None		JOS

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
03/03/2017	Both (Overlap)	White-Tailed Eagle Survey	WEVP2	01:00 starting at 16:00	wind speed and direction:Strong Breeze, SE; visibility: Moderate (1-2km); Rain: Light Showers; Frost: None ; Snow: None		JOS
23/03/2017	Both (Overlap)	White-Tailed Eagle Survey	WEVP2	01:00 starting at 12:50	wind speed and direction:Gentle Breeze, SE; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		JOS
23/03/2017	Both (Overlap)	White-Tailed Eagle Survey	WEVP2	01:00 starting at 13:50	wind speed and direction:Gentle Breeze, SE; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		JOS
27/03/2017	Both (Overlap)	White-Tailed Eagle Survey	WEVP2	01:00 starting at 10:20	wind speed and direction:Gentle Breeze, SE; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		JOS
27/03/2017	Both (Overlap)	White-Tailed Eagle Survey	WEVP2	01:00 starting at 11:20	wind speed and direction:Gentle Breeze, SE; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		JOS
27/03/2017	Both (Overlap)	White-Tailed Eagle Survey	WEVP2	01:00 starting at 12:20	wind speed and direction:Gentle Breeze, SE; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		JOS
27/03/2017	Both (Overlap)	White-Tailed Eagle Survey	WEVP2	01:00 starting at 13:50	wind speed and direction:Gentle Breeze, SE; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		JOS
27/03/2017	Both (Overlap)	White-Tailed Eagle Survey	WEVP2	01:00 starting at 14:50	wind speed and direction:Light Breeze, SE; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		JOS
27/03/2017	Both (Overlap)	White-Tailed Eagle Survey	WEVP2	01:00 starting at 15:50	wind speed and direction:Gentle Breeze, SE; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		JOS
13/04/2017	Breeding	White-Tailed Eagle Survey	WEVP2	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		JOS

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
13/04/2017	Breeding	White-Tailed Eagle Survey	WEVP2	01:00 starting at 11:40	Wind Speed and Direction:Fresh Breeze, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JOS
13/04/2017	Breeding	White-Tailed Eagle Survey	WEVP2	01:00 starting at 12:40	Wind Speed and Direction:Fresh Breeze, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	No Target species recorded.	JOS
15/06/2017	Breeding	White-Tailed Eagle Survey	WEVP2	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	11:36 - 11:39 - rain. 11:48 - 11:51 misty rain.	JOS
15/06/2017	Breeding	White-Tailed Eagle Survey	WEVP2	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		JOS
15/06/2017	Breeding	White-Tailed Eagle Survey	WEVP2	01:00 starting at 13:00	Wind Speed and Direction:Strong Breeze, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: Light Showers; Frost: None ; Snow: None		JOS
15/06/2017	Breeding	White-Tailed Eagle Survey	WEVP2	01:00 starting at 14:30	Wind Speed and Direction:Strong Breeze, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JOS
15/06/2017	Breeding	White-Tailed Eagle Survey	WEVP2	01:00 starting at 15:30	Wind Speed and Direction:Strong Breeze, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JOS
15/06/2017	Breeding	White-Tailed Eagle Survey	WEVP2	01:00 starting at 16:30	Wind Speed and Direction:Strong Breeze, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: Light Showers; Frost: None ; Snow: None		JOS

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
03/08/2017	Breeding	White-Tailed Eagle Survey	WEVP2	06:30 starting at 10:45	Wind Speed and Direction: Moderate Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	Part 1 10:45-13:45 - no target species recorded in part 1. Part 2 14:15-17:15.	JOS
23/02/2018	Non-Breeding	White-Tailed Eagle Survey	WEVP2	01:00 starting at 10:40	Wind Speed and Direction: Gentle Breeze, SE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: Ground		JC
23/02/2018	Non-Breeding	White-Tailed Eagle Survey	WEVP2	01:00 starting at 11:40	Wind Speed and Direction: Gentle Breeze, SE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: Ground		JC
23/02/2018	Non-Breeding	White-Tailed Eagle Survey	WEVP2	01:00 starting at 12:40	Wind Speed and Direction: Gentle Breeze, SE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: Light Showers; Frost: None ; Snow: Ground		JC
23/02/2018	Non-Breeding	White-Tailed Eagle Survey	WEVP2	01:00 starting at 14:10	Wind Speed and Direction: Moderate Breeze, SE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: Ground		JC
23/02/2018	Non-Breeding	White-Tailed Eagle Survey	WEVP2	01:00 starting at 15:10	Wind Speed and Direction: Moderate Breeze, S; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: Light Showers; Frost: None ; Snow: Ground		JC
23/02/2018	Non-Breeding	White-Tailed Eagle Survey	WEVP2	01:00 starting at 16:10	Wind Speed and Direction: Moderate Breeze, S; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: Ground		JC
01/06/2016	Breeding	White-Tailed Eagle Survey	WEVP3	04:00 starting at 10:00	wind speed and direction: Light Breeze, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		PC
01/06/2016	Breeding	White-Tailed Eagle Survey	WEVP3	02:00 starting at 15:00	wind speed and direction: Light Breeze, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		PC

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
13/06/2016	Breeding	White-Tailed Eagle Survey	WEVP3	03:00 starting at 11:00	wind speed and direction:Light Breeze, ; visibility: Good (>2km); Rain: Light Showers; Frost: None ; Snow: None		PC
13/06/2016	Breeding	White-Tailed Eagle Survey	WEVP3	03:30 starting at 14:00	wind speed and direction:Light Breeze, ; visibility: Good (>2km); Rain: Light Showers; Frost: None ; Snow: None		PC
14/07/2016	Breeding	White-Tailed Eagle Survey	WEVP3	03:00 starting at 11:00	wind speed and direction:Gentle Breeze, ; visibility: Good (>2km); Rain: Light Showers; Frost: None ; Snow: None		PC
14/07/2016	Breeding	White-Tailed Eagle Survey	WEVP3	03:00 starting at 14:30	wind speed and direction:Gentle Breeze, ; visibility: Good (>2km); Rain: Light Showers; Frost: None ; Snow: None		PC
24/08/2016	Breeding	White-Tailed Eagle Survey	WEVP3	03:00 starting at 15:00	wind speed and direction:Moderate Breeze, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		Sean M
24/08/2016	Breeding	White-Tailed Eagle Survey	WEVP3	03:00 starting at 18:30	wind speed and direction:Moderate Breeze, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		Sean M
01/03/2017	Both (Overlap)	White-Tailed Eagle Survey	WEVP3	01:00 starting at 10:30	wind speed and direction:Gentle Breeze, SE; visibility: Good (>2km); Rain: None; Frost: ; Snow:		JOS
01/03/2017	Both (Overlap)	White-Tailed Eagle Survey	WEVP3	01:00 starting at 11:30	wind speed and direction:Gentle Breeze, SE; visibility: Good (>2km); Rain: None; Frost: ; Snow:		JOS
01/03/2017	Both (Overlap)	White-Tailed Eagle Survey	WEVP3	01:00 starting at 12:30	wind speed and direction:Gentle Breeze, SE; visibility: Good (>2km); Rain: None; Frost: ; Snow:		JOS
01/03/2017	Both (Overlap)	White-Tailed Eagle Survey	WEVP3	01:00 starting at 14:00	wind speed and direction:Moderate Breeze, SE; visibility: Moderate (1-2km); Rain: Drizzle Mist; Frost: ; Snow:	14:44 rain stops. 14:56 Rain resumes.	JOS
01/03/2017	Both (Overlap)	White-Tailed Eagle Survey	WEVP3	01:00 starting at 15:00	wind speed and direction:Strong Breeze, SE; visibility: Moderate (1-2km); Rain: Drizzle Mist; Frost: ; Snow:		JOS

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
01/03/2017	Both (Overlap)	White-Tailed Eagle Survey	WEVP3	01:00 starting at 16:00	wind speed and direction: Moderate Gale, SE; visibility: Moderate (1-2km); Rain: Drizzle Mist; Frost: ; Snow:		JOS
13/02/2018	Non-Breeding	White-Tailed Eagle Survey	WEVP3	01:00 starting at 09:20	Wind Speed and Direction: Light Breeze, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-65 Rain: Light Showers; Frost: Heavy; Snow: Ground	Cold	JC
13/02/2018	Non-Breeding	White-Tailed Eagle Survey	WEVP3	01:00 starting at 10:20	Wind Speed and Direction: Light Breeze, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-65 Rain: Light Showers; Frost: Heavy; Snow: Ground		JC
13/02/2018	Non-Breeding	White-Tailed Eagle Survey	WEVP3	01:00 starting at 11:20	Wind Speed and Direction: Gentle Breeze, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-65 Rain: Light Showers; Frost: Heavy; Snow: Ground		JC
13/02/2018	Non-Breeding	White-Tailed Eagle Survey	WEVP3	01:00 starting at 12:50	Wind Speed and Direction: Gentle Breeze, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: Light Showers; Frost: Heavy; Snow: Ground		JC
13/02/2018	Non-Breeding	White-Tailed Eagle Survey	WEVP3	01:00 starting at 13:50	Wind Speed and Direction: Gentle Breeze, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: Light Showers; Frost: Heavy; Snow: Ground		JC
13/02/2018	Non-Breeding	White-Tailed Eagle Survey	WEVP3	01:00 starting at 14:50	Wind Speed and Direction: Gentle Breeze, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: Light Showers; Frost: Heavy; Snow: Ground		JC
03/06/2016	Breeding	White-Tailed Eagle Survey	WEVP4	03:00 starting at 11:00	wind speed and direction: Light Breeze, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		PC
03/06/2016	Breeding	White-Tailed Eagle Survey	WEVP4	03:00 starting at 14:30	wind speed and direction: Light Breeze, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		PC

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
30/06/2016	Breeding	White-Tailed Eagle Survey	WEVP4	04:00 starting at 10:30	wind speed and direction:Moderate Breeze, ; visibility: Moderate (1-2km); Rain: Heavy Rain; Frost: None ; Snow: None		PC
30/06/2016	Breeding	White-Tailed Eagle Survey	WEVP4	02:00 starting at 15:00	wind speed and direction:Moderate Breeze, ; visibility: Moderate (1-2km); Rain: Heavy Rain; Frost: None ; Snow: None		PC
18/07/2016	Breeding	White-Tailed Eagle Survey	WEVP4	02:30 starting at 10:35	wind speed and direction:Gentle Breeze, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		PC
18/07/2016	Breeding	White-Tailed Eagle Survey	WEVP4	03:00 starting at 14:05	wind speed and direction:Gentle Breeze, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		PC
29/08/2016	Breeding	White-Tailed Eagle Survey	WEVP4	03:00 starting at 11:00	wind speed and direction:Moderate Breeze, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		Sean M
29/08/2016	Breeding	White-Tailed Eagle Survey	WEVP4	03:00 starting at 14:30	wind speed and direction:Moderate Breeze, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		Sean M
28/02/2017	both	White-Tailed Eagle Survey	WEVP4	01:00 starting at 12:40	wind speed and direction:Strong Breeze, SE; visibility: Good (>2km); Rain: None; Frost: ; Snow:	No target species recorded.	JOS
28/02/2017	both	White-Tailed Eagle Survey	WEVP4	00:40 starting at 13:40	wind speed and direction:Strong Breeze, SE; visibility: Good (>2km); Rain: None; Frost: ; Snow:	Survey ended at 14:20 due to wind.	JOS
08/03/2017	Both (Overlap)	White-Tailed Eagle Survey	WEVP4	01:00 starting at 17:00	wind speed and direction:Gentle Breeze, NE; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		JOS
08/03/2017	Both (Overlap)	White-Tailed Eagle Survey	WEVP4	00:20 starting at 18:00	wind speed and direction:Gentle Breeze, NE; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		JOS
16/03/2017	Both (Overlap)	White-Tailed Eagle Survey	WEVP4	01:00 starting at 10:05	wind speed and direction:Gentle Breeze, NE; visibility: Good (>2km); Rain: Light Showers; Frost: None ; Snow: None		JOS

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
16/03/2017	Both (Overlap)	White-Tailed Eagle Survey	WEVP4	01:00 starting at 11:05	wind speed and direction:Gentle Breeze, NE; visibility: Moderate (1-2km); Rain: Drizzle Mist; Frost: None ; Snow: None		JOS
16/03/2017	Both (Overlap)	White-Tailed Eagle Survey	WEVP4	01:00 starting at 12:05	wind speed and direction:Fresh Breeze, NE; visibility: Good (>2km); Rain: Light Showers; Frost: None ; Snow: None		JOS
16/03/2017	Both (Overlap)	White-Tailed Eagle Survey	WEVP4	01:00 starting at 13:35	wind speed and direction:Gentle Breeze, NE; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		JOS
16/03/2017	Both (Overlap)	White-Tailed Eagle Survey	WEVP4	01:00 starting at 14:35	wind speed and direction:Strong Breeze, NE; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		JOS
16/03/2017	Both (Overlap)	White-Tailed Eagle Survey	WEVP4	01:00 starting at 15:35	wind speed and direction:Strong Breeze, NE; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		JOS
05/04/2017	Breeding	White-Tailed Eagle Survey	WEVP4	01:00 starting at 08:15	Wind Speed and Direction:Calm, ; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JOS
05/04/2017	Breeding	White-Tailed Eagle Survey	WEVP4	01:00 starting at 09:15	Wind Speed and Direction:Calm, ; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JOS
05/04/2017	Breeding	White-Tailed Eagle Survey	WEVP4	01:00 starting at 10:15	Wind Speed and Direction:Light Air, w; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: Drizzle Mist; Frost: None ; Snow: None		JOS
05/04/2017	Breeding	White-Tailed Eagle Survey	WEVP4	01:00 starting at 11:45	Wind Speed and Direction:Calm, ; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	No target species recorded.	JOS

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
05/04/2017	Breeding	White-Tailed Eagle Survey	WEVP4	01:00 starting at 12:45	Wind Speed and Direction:Calm, ; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JOS
05/04/2017	Breeding	White-Tailed Eagle Survey	WEVP4	01:00 starting at 13:45	Wind Speed and Direction:Calm, ; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JOS
20/06/2017	Breeding	White-Tailed Eagle Survey	WEVP4	01:00 starting at 10:40	Wind Speed and Direction:Gentle Breeze, SE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None		JOS
20/06/2017	Breeding	White-Tailed Eagle Survey	WEVP4	01:00 starting at 11:40	Wind Speed and Direction:Gentle Breeze, SE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None		JOS
20/06/2017	Breeding	White-Tailed Eagle Survey	WEVP4	01:00 starting at 12:40	Wind Speed and Direction:Gentle Breeze, SE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None	Break 13:40 - 14:10	JOS
20/06/2017	Breeding	White-Tailed Eagle Survey	WEVP4	01:00 starting at 14:10	Wind Speed and Direction:Gentle Breeze, SE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None		JOS
20/06/2017	Breeding	White-Tailed Eagle Survey	WEVP4	01:00 starting at 15:10	Wind Speed and Direction:Moderate Breeze, SE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JOS
20/06/2017	Breeding	White-Tailed Eagle Survey	WEVP4	01:00 starting at 16:10	Wind Speed and Direction:Light Air, SE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JOS

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
04/08/2017	Breeding	White-Tailed Eagle Survey	WEVP4	03:00 starting at 09:30	Wind Speed and Direction:Gentle Breeze, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	12:19 - rain shower - visibility 1-2km.	JOS
04/08/2017	Breeding	White-Tailed Eagle Survey	WEVP4	03:00 starting at 13:30	Wind Speed and Direction:Gentle Breeze, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	15:22 - rain	JOS
19/02/2018	Non-Breeding	White-Tailed Eagle Survey	WEVP4	01:00 starting at 11:15	Wind Speed and Direction:Light Breeze, S; Visibility: Poor (<km); Cloud Height: <150m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	Fog at star of survey	JC
19/02/2018	Non-Breeding	White-Tailed Eagle Survey	WEVP4	01:00 starting at 12:15	Wind Speed and Direction:Light Breeze, S; Visibility: Poor (<km); Cloud Height: <150m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JC
19/02/2018	Non-Breeding	White-Tailed Eagle Survey	WEVP4	00:20 starting at 13:15	Wind Speed and Direction:Light Breeze, S; Visibility: Poor (<km); Cloud Height: <150m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	Stopping survey - poor conditions	JC
21/02/2018	Non-Breeding	White-Tailed Eagle Survey	WEVP4	01:00 starting at 11:30	Wind Speed and Direction:Light Breeze, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None		JC
21/02/2018	Non-Breeding	White-Tailed Eagle Survey	WEVP4	01:00 starting at 12:30	Wind Speed and Direction:Light Breeze, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None		JC
21/02/2018	Non-Breeding	White-Tailed Eagle Survey	WEVP4	01:00 starting at 13:30	Wind Speed and Direction:Gentle Breeze, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None		JC

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
21/02/2018	Non-Breeding	White-Tailed Eagle Survey	WEVP4	01:00 starting at 14:30	Wind Speed and Direction:Gentle Breeze, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None		
02/06/2016	Breeding	White-Tailed Eagle Survey	WEVP5	04:00 starting at 10:30	wind speed and direction:Gentle Breeze, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		PC
02/06/2016	Breeding	White-Tailed Eagle Survey	WEVP5	02:00 starting at 15:00	wind speed and direction:Gentle Breeze, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		PC
27/06/2016	Breeding	White-Tailed Eagle Survey	WEVP5	04:00 starting at 06:30	wind speed and direction:Moderate Breeze, ; visibility: Good (>2km); Rain: Drizzle Mist; Frost: None ; Snow: None		PC
12/07/2016	Breeding	White-Tailed Eagle Survey	WEVP5	03:00 starting at 10:00	wind speed and direction:Gentle Breeze, ; visibility: Good (>2km); Rain: Drizzle Mist; Frost: None ; Snow: None		PC
12/07/2016	Breeding	White-Tailed Eagle Survey	WEVP5	03:00 starting at 13:30	wind speed and direction:Gentle Breeze, ; visibility: Good (>2km); Rain: Drizzle Mist; Frost: None ; Snow: None		PC
30/08/2016	Breeding	White-Tailed Eagle Survey	WEVP5	03:00 starting at 10:00	wind speed and direction:Fresh Breeze, ; visibility: Poor (<km); Rain: None; Frost: None ; Snow: None		Sean M
30/08/2016	Breeding	White-Tailed Eagle Survey	WEVP5	03:00 starting at 13:30	wind speed and direction:Fresh Breeze, ; visibility: Poor (<km); Rain: None; Frost: None ; Snow: None		Sean M
15/03/2017	Both (Overlap)	White-Tailed Eagle Survey	WEVP5	01:00 starting at 11:00	wind speed and direction:Calm, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		JOS
15/03/2017	Both (Overlap)	White-Tailed Eagle Survey	WEVP5	01:00 starting at 12:00	wind speed and direction:Calm, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		JOS
15/03/2017	Both (Overlap)	White-Tailed Eagle Survey	WEVP5	01:00 starting at 13:00	wind speed and direction:Calm, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		JOS

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
15/03/2017	Both (Overlap)	White-Tailed Eagle Survey	WEVP5	01:00 starting at 14:30	wind speed and direction:Light Air, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		JOS
15/03/2017	Both (Overlap)	White-Tailed Eagle Survey	WEVP5	01:00 starting at 15:30	wind speed and direction:Calm, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		JOS
15/03/2017	Both (Overlap)	White-Tailed Eagle Survey	WEVP5	01:00 starting at 16:30	wind speed and direction:Calm, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		JOS
06/04/2017	Breeding	White-Tailed Eagle Survey	WEVP5	01:00 starting at 10:10	Wind Speed and Direction:Calm, ; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	Target species not recorded.	JOS
06/04/2017	Breeding	White-Tailed Eagle Survey	WEVP5	01:00 starting at 11:10	Wind Speed and Direction:Light Air, N; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JOS
06/04/2017	Breeding	White-Tailed Eagle Survey	WEVP5	01:00 starting at 12:10	Wind Speed and Direction:Light Air, N; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JOS
06/04/2017	Breeding	White-Tailed Eagle Survey	WEVP5	01:00 starting at 14:00	Wind Speed and Direction:Light Breeze, N; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	Target species not recorded.	JOS
06/04/2017	Breeding	White-Tailed Eagle Survey	WEVP5	01:00 starting at 15:00	Wind Speed and Direction:Gentle Breeze, N; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JOS
06/04/2017	Breeding	White-Tailed Eagle Survey	WEVP5	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		JOS

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
12/06/2017	Breeding	White-Tailed Eagle Survey	WEVP5	01:00 starting at 11:25	Wind Speed and Direction:Gentle Breeze, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JOS
12/06/2017	Breeding	White-Tailed Eagle Survey	WEVP5	01:00 starting at 12:25	Wind Speed and Direction:Gentle Breeze, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	13:02 - Light rain shower - visibility 1-2km stops 13:22	JOS
12/06/2017	Breeding	White-Tailed Eagle Survey	WEVP5	01:00 starting at 13:25	Wind Speed and Direction:Gentle Breeze, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	No target species recorded in part 1.	JOS
12/06/2017	Breeding	White-Tailed Eagle Survey	WEVP5	01:00 starting at 14:55	Wind Speed and Direction:Gentle Breeze, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JOS
12/06/2017	Breeding	White-Tailed Eagle Survey	WEVP5	01:00 starting at 15:55	Wind Speed and Direction:Gentle Breeze, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JOS
12/06/2017	Breeding	White-Tailed Eagle Survey	WEVP5	01:00 starting at 16:55	Wind Speed and Direction:Gentle Breeze, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	No target species recorded in part 2.	JOS
03/01/2017	Non-Breeding	White-Tailed Eagle Survey	WEVP5	01:00 starting at 10:30	wind speed and direction:Gentle Breeze, W; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		AOD
03/01/2017	Non-Breeding	White-Tailed Eagle Survey	WEVP5	01:00 starting at 11:30	wind speed and direction:Gentle Breeze, W; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		AOD
03/01/2017	Non-Breeding	White-Tailed Eagle Survey	WEVP5	01:00 starting at 12:30	wind speed and direction:Fresh Breeze, W; visibility: Good (>2km); Rain: Light Showers; Frost: None ; Snow: None		AOD

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
03/01/2017	Non-Breeding	White-Tailed Eagle Survey	WEVP5	01:00 starting at 14:30	wind speed and direction:Strong Breeze, W; visibility: Poor (<km); Rain: Heavy Showers; Frost: None ; Snow: None		AOD
03/01/2017	Non-Breeding	White-Tailed Eagle Survey	WEVP5	01:00 starting at 15:30	wind speed and direction:Moderate Gale, W; visibility: Moderate (1-2km); Rain: Heavy Rain; Frost: None ; Snow: None		AOD
03/01/2017	Non-Breeding	White-Tailed Eagle Survey	WEVP5	01:00 starting at 16:30	wind speed and direction:Strong Breeze, W; visibility: Moderate (1-2km); Rain: Heavy Rain; Frost: None ; Snow: None		AOD
14/02/2018	Non-Breeding	White-Tailed Eagle Survey	WEVP5	01:00 starting at 10:30	Wind Speed and Direction:Gentle Breeze, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-65 Rain: None; Frost: None ; Snow: None		JC
14/02/2018	Non-Breeding	White-Tailed Eagle Survey	WEVP5	01:00 starting at 11:30	Wind Speed and Direction:Gentle Breeze, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-65 Rain: Light Showers; Frost: None ; Snow: None		JC
14/02/2018	Non-Breeding	White-Tailed Eagle Survey	WEVP5	01:00 starting at 12:30	Wind Speed and Direction:Moderate Breeze, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JC
14/02/2018	Non-Breeding	White-Tailed Eagle Survey	WEVP5	01:00 starting at 14:00	Wind Speed and Direction:Gentle Breeze, W; Visibility: Moderate (1-2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: Light Showers; Frost: None ; Snow: None	Some cloud cover over onsite hills to west	JC
14/02/2018	Non-Breeding	White-Tailed Eagle Survey	WEVP5	01:00 starting at 15:00	Wind Speed and Direction:Moderate Breeze, W; Visibility: Moderate (1-2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: Light Showers; Frost: None ; Snow: None	Some cloud cover over onsite hills to west	JC
14/02/2018	Non-Breeding	White-Tailed Eagle Survey	WEVP5	01:00 starting at 16:00	Wind Speed and Direction:Gentle Breeze, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JC

Table 6: Hen Harrier Roost Surveys

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
09/02/2018	Non-breeding	Hen Harrier Roost Survey	HHVP1	02:30 starting at 16:05	Wind Speed and Direction:Light Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		PM
02/11/2016	Non-Breeding	Hen Harrier Roost Survey	HHVP1	01:00 starting at 15:30	wind speed and direction:Calm, ; visibility: Good (>2km); Rain: Light Showers; Frost: ; Snow:		JOS
02/11/2016	Non-Breeding	Hen Harrier Roost Survey	HHVP1	01:00 starting at 16:30	wind speed and direction:Calm, ; visibility: Good (>2km); Rain: Light Showers; Frost: ; Snow:		JOS
02/11/2016	Non-Breeding	Hen Harrier Roost Survey	HHVP1	01:00 starting at 17:30	wind speed and direction:Calm, ; visibility: Good (>2km); Rain: Light Showers; Frost: ; Snow:		JOS
18/11/2016	Non-Breeding	Hen Harrier Roost Survey	HHVP1	01:00 starting at 15:05	wind speed and direction:Strong Breeze, NW; visibility: Good (>2km); Rain: None; Frost: ; Snow:	15:31 - Heavy shower. 15:45 - 15:54 sleety rain	JOS
18/11/2016	Non-Breeding	Hen Harrier Roost Survey	HHVP1	01:00 starting at 16:05	wind speed and direction:Strong Breeze, NW; visibility: Good (>2km); Rain: None; Frost: ; Snow:	16:41 - visibility 1-2km due to rain.	JOS
18/11/2016	Non-Breeding	Hen Harrier Roost Survey	HHVP1	00:48 starting at 17:05	wind speed and direction:Strong Breeze, NW; visibility: Good (>2km); Rain: None; Frost: ; Snow:	No target species recorded.	JOS
21/12/2016	Non-Breeding	Hen Harrier Roost Survey	HHVP1	01:00 starting at 14:50	wind speed and direction:Strong Breeze, NE; visibility: Good (>2km); Rain: None; Frost: ; Snow:	Sunset 16:20	JOS
21/12/2016	Non-Breeding	Hen Harrier Roost Survey	HHVP1	01:00 starting at 15:50	wind speed and direction:Strong Breeze, NE; visibility: Good (>2km); Rain: None; Frost: ; Snow:		JOS
21/12/2016	Non-Breeding	Hen Harrier Roost Survey	HHVP1	01:00 starting at 16:50	wind speed and direction:Moderate Breeze, NE; visibility: Good (>2km); Rain: None; Frost: ; Snow:	No target species recorded	JOS
17/01/2017	Non-Breeding	Hen Harrier Roost Survey	HHVP1	01:00 starting at 15:20	wind speed and direction:Gentle Breeze, NE; visibility: Good (>2km); Rain: None; Frost: ; Snow:	No target species recorded.	JOS

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
17/01/2017	Non-Breeding	Hen Harrier Roost Survey	HHVP1	01:00 starting at 15:20	wind speed and direction:Gentle Breeze, NE; visibility: Good (>2km); Rain: None; Frost: ; Snow:	No target species recorded.	JOS
17/01/2017	Non-Breeding	Hen Harrier Roost Survey	HHVP1	01:00 starting at 16:20	wind speed and direction:Gentle Breeze, NE; visibility: Good (>2km); Rain: None; Frost: ; Snow:	No target species recorded.	JOS
17/01/2017	Non-Breeding	Hen Harrier Roost Survey	HHVP1	01:00 starting at 16:20	wind speed and direction:Gentle Breeze, NE; visibility: Good (>2km); Rain: None; Frost: ; Snow:	No target species recorded.	JOS
17/01/2017	Non-Breeding	Hen Harrier Roost Survey	HHVP1	01:00 starting at 17:20	wind speed and direction:Gentle Breeze, NE; visibility: Good (>2km); Rain: None; Frost: ; Snow:	No target species recorded.	JOS
17/01/2017	Non-Breeding	Hen Harrier Roost Survey	HHVP1	01:00 starting at 17:20	wind speed and direction:Gentle Breeze, NE; visibility: Good (>2km); Rain: None; Frost: ; Snow:	No target species recorded.	JOS
23/03/2017	Both (Overlap)	Hen Harrier Roost Survey	HHVP1	02:20 starting at 17:30	wind speed and direction:Gentle Breeze, SE; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		JOS
07/11/2017	Non-Breeding	Hen Harrier Roost Survey	HHVP1	01:00 starting at 15:25	Wind Speed and Direction:Light Breeze, ; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	OCTOBER SURVEY Sunset 16:53.	JOS
07/11/2017	Non-Breeding	Hen Harrier Roost Survey	HHVP1	01:00 starting at 16:25	Wind Speed and Direction:Light Breeze, ; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None	OCTOBER SURVEY	JOS
07/11/2017	Non-Breeding	Hen Harrier Roost Survey	HHVP1	00:40 starting at 17:25	Wind Speed and Direction:Light Breeze, ; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None	OCTOBER SURVEY Patches of ground fog forming over last half hour of survey. No target species recorded.	JOS

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
01/12/2017	Non-Breeding	Hen Harrier Roost Survey	HHVP1	01:00 starting at 15:00	Wind Speed and Direction:Calm, ; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None	Carry over survey from November due to bad weather, No target species recorded. No HH/WTE recorded.	JOS
01/12/2017	Non-Breeding	Hen Harrier Roost Survey	HHVP1	01:00 starting at 16:00	Wind Speed and Direction:Calm, ; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None	Carry over survey from November due to bad weather, No target species recorded. No HH/WTE recorded.	JOS
01/12/2017	Non-Breeding	Hen Harrier Roost Survey	HHVP1	00:10 starting at 17:00	Wind Speed and Direction:Calm, ; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None	Carry over survey from November due to bad weather, No target species recorded. No HH/WTE recorded.	JOS
21/03/2018	Non-breeding	Hen Harrier Roost Survey	HHVP1	01:00 starting at 17:20	Wind Speed and Direction:Moderate Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	No Activity Recorded for HH or WE	JH
21/03/2018	Non-breeding	Hen Harrier Roost Survey	HHVP1	01:00 starting at 18:20	Wind Speed and Direction:Moderate Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	No Activity Recorded for HH or WE	JH
08/12/2017	Non-Breeding	Hen Harrier/White-tailed Eagle Roost Survey	HHVP1A	02:00 starting at 14:48	Wind Speed and Direction:Light Air, SW; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 50 Rain: None; Frost: None ; Snow: None	Sunset: 16:18. NO TARGETS	CP
23/01/2018	Non-Breeding	Hen Harrier Roost Survey	HHVP1A	02:00 starting at 15:30	Wind Speed and Direction:Fresh Breeze, W; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None	Sunset: 17:00.	CP

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
21/02/2018	Non-breeding	Hen Harrier Roost Survey	HHVP2	02:30 starting at 16:20	Wind Speed and Direction:Light Air, SE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		PM
05/10/2016	Non-Breeding	Hen Harrier Roost Survey	HHVP2	01:00 starting at 17:33	wind speed and direction:Moderate Breeze, NW; visibility: Good (>2km); Rain: None; Frost: ; Snow:		JOS
05/10/2016	Non-Breeding	Hen Harrier Roost Survey	HHVP2	01:00 starting at 18:33	wind speed and direction:Moderate Breeze, NW; visibility: Good (>2km); Rain: None; Frost: ; Snow:		JOS
05/10/2016	Non-Breeding	Hen Harrier Roost Survey	HHVP2	01:00 starting at 19:33	wind speed and direction:Calm, NW; visibility: Moderate (1-2km); Rain: None; Frost: ; Snow:	No target species recorded.	JOS
22/11/2016	Non-Breeding	Hen Harrier Roost Survey	HHVP2	01:00 starting at 15:00	wind speed and direction:Moderate Breeze, SE; visibility: Good (>2km); Rain: None; Frost: ; Snow:	surey ended at 17:35 - too dark to see. No target species recorded.	JOS
22/11/2016	Non-Breeding	Hen Harrier Roost Survey	HHVP2	01:00 starting at 16:00	wind speed and direction:Moderate Breeze, SE; visibility: Good (>2km); Rain: None; Frost: ; Snow:		JOS
22/11/2016	Non-Breeding	Hen Harrier Roost Survey	HHVP2	00:35 starting at 17:00	wind speed and direction:Moderate Breeze, SE; visibility: Good (>2km); Rain: None; Frost: ; Snow:		JOS
20/12/2016	Non-Breeding	Hen Harrier Roost Survey	HHVP2	01:00 starting at 14:49	wind speed and direction:Strong Breeze, NW; visibility: Moderate (1-2km); Rain: None; Frost: ; Snow:	Sunset 16:19. No target species recorded.	JOS
20/12/2016	Non-Breeding	Hen Harrier Roost Survey	HHVP2	01:00 starting at 16:49	wind speed and direction:Strong Breeze, NW; visibility: Good (>2km); Rain: None; Frost: ; Snow:		JOS
20/12/2016	Non-Breeding	Hen Harrier Roost Survey	HHVP2	01:00 starting at 18:49	wind speed and direction:Strong Breeze, NW; visibility: Good (>2km); Rain: None; Frost: ; Snow:		JOS
15/02/2017	Non-Breeding	Hen Harrier Roost Survey	HHVP2	01:00 starting at 16:40	wind speed and direction:Moderate Breeze, N; visibility: Good (>2km); Rain: None; Frost: ; Snow:	No target species recorded.	JOS

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
15/02/2017	Non-Breeding	Hen Harrier Roost Survey	HHVP2	01:00 starting at 16:40	wind speed and direction:Moderate Breeze, N; visibility: Good (>2km); Rain: None; Frost: ; Snow:	No target species recorded.	JOS
15/02/2017	Non-Breeding	Hen Harrier Roost Survey	HHVP2	01:00 starting at 17:40	wind speed and direction:Moderate Breeze, N; visibility: Good (>2km); Rain: None; Frost: ; Snow:	No target species recorded.	JOS
15/02/2017	Non-Breeding	Hen Harrier Roost Survey	HHVP2	01:00 starting at 17:40	wind speed and direction:Moderate Breeze, N; visibility: Good (>2km); Rain: None; Frost: ; Snow:	No target species recorded.	JOS
15/02/2017	Non-Breeding	Hen Harrier Roost Survey	HHVP2	01:00 starting at 18:40	wind speed and direction:Moderate Breeze, N; visibility: Good (>2km); Rain: None; Frost: ; Snow:	No target species recorded.	JOS
15/02/2017	Non-Breeding	Hen Harrier Roost Survey	HHVP2	01:00 starting at 18:40	wind speed and direction:Moderate Breeze, N; visibility: Good (>2km); Rain: None; Frost: ; Snow:	No target species recorded.	JOS
23/10/2017	Non-Breeding	Hen Harrier Roost Survey	HHVP2	01:00 starting at 15:22	Wind Speed and Direction:Moderate Breeze, sw; Visibility: Moderate (1-2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: Drizzle Mist; Frost: None ; Snow: None	Sunset 18:22. Abandoned after 1.5 hours due to poor visibility (mist).	JOS
23/10/2017	Non-Breeding	Hen Harrier Roost Survey	HHVP2	00:30 starting at 16:22	Wind Speed and Direction:Moderate Breeze, sw; Visibility: Moderate (1-2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: Drizzle Mist; Frost: None ; Snow: None	Sunset 18:22. Abandoned after 1.5 hours due to poor visibility (mist).	JOS
24/10/2017	Non-Breeding	Hen Harrier Roost Survey	HHVP2	01:00 starting at 16:20	Wind Speed and Direction:Calm, ; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: Heavy Showers; Frost: None ; Snow: None		JOS
24/10/2017	Non-Breeding	Hen Harrier Roost Survey	HHVP2	01:00 starting at 17:20	Wind Speed and Direction:Calm, ; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: Heavy Showers; Frost: None ; Snow: None		JOS
24/10/2017	Non-Breeding	Hen Harrier Roost Survey	HHVP2	00:30 starting at 18:20	Wind Speed and Direction:Calm, ; Visibility: Moderate (1-2km); Cloud Height: 150-	No target species recorded.	JOS

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
					500m; Cloud Cover %: 66-100 Rain: Heavy Showers; Frost: None ; Snow: None		
23/11/2017	Non-breeding	Hen Harrier Roost Survey	HHVP2	01:00 starting at 15:00	Wind Speed and Direction:Light Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None		JOS
23/11/2017	Non-breeding	Hen Harrier Roost Survey	HHVP2	01:00 starting at 16:00	Wind Speed and Direction:Light Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None		JOS
23/11/2017	Non-breeding	Hen Harrier Roost Survey	HHVP2	01:00 starting at 17:00	Wind Speed and Direction:Light Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None		JOS
09/12/2017	Non-Breeding	Hen Harrier/White-tailed Eagle Roost Survey	HHVP2	02:00 starting at 14:48	Wind Speed and Direction:Light Air, SE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None	Sunset: 16:18. NO TARGETS	CP
24/01/2018	Non-Breeding	Hen Harrier Roost Survey	HHVP2	02:00 starting at 15:34	Wind Speed and Direction:Gentle Breeze, W/SW; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 75 Rain: Showers; Frost: None ; Snow: None	Sunset: 17:04.	CP
13/03/2018	Non-breeding	Hen Harrier Roost Survey	HHVP2	01:00 starting at 17:00	Wind Speed and Direction:Moderate Breeze, SE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	No Activity Recorded for HH or WE	JH
13/03/2018	Non-breeding	Hen Harrier Roost Survey	HHVP2	01:10 starting at 18:00	Wind Speed and Direction:Fresh Breeze, SE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	No Activity Recorded for HH or WE	JH
08/02/2018	Non-breeding	Hen Harrier Roost Survey	HHVP3	01:00 starting at 16:03	Wind Speed and Direction:Light Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: Light Showers; Frost: None ; Snow: None		PM

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
08/02/2018	Non-breeding	Hen Harrier Roost Survey	HHVP3	01:30 starting at 17:03	Wind Speed and Direction:Light Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None		PM
07/10/2016	Non-Breeding	Hen Harrier Roost Survey	HHVP3	01:00 starting at 17:30	wind speed and direction:Light Breeze, NE; visibility: Good (>2km); Rain: None; Frost: ; Snow:	Sunset 19:01	JOS
07/10/2016	Non-Breeding	Hen Harrier Roost Survey	HHVP3	01:00 starting at 18:30	wind speed and direction:Light Air, NE; visibility: Good (>2km); Rain: None; Frost: ; Snow:		JOS
07/10/2016	Non-Breeding	Hen Harrier Roost Survey	HHVP3	00:50 starting at 19:30	wind speed and direction:Calm, NE; visibility: Good (>2km); Rain: None; Frost: ; Snow:	Hour 3 - Slight haze. Visibility reduced. No target species recorded.	JOS
17/11/2016	Non-Breeding	Hen Harrier Roost Survey	HHVP3	01:00 starting at 15:00	wind speed and direction:Strong Breeze, NE; visibility: Good (>2km); Rain: None; Frost: ; Snow:	Sunset 16:37	JOS
17/11/2016	Non-Breeding	Hen Harrier Roost Survey	HHVP3	01:00 starting at 16:00	wind speed and direction:Strong Breeze, NE; visibility: Good (>2km); Rain: None; Frost: ; Snow:		JOS
17/11/2016	Non-Breeding	Hen Harrier Roost Survey	HHVP3	00:09 starting at 17:00	wind speed and direction:Strong Breeze, NE; visibility: Moderate (1-2km); Rain: None; Frost: ; Snow:	No target species recorded. Survey ended at 17:09 due to poor visibility <500m, due to sleet.	JOS
15/12/2016	Non-Breeding	Hen Harrier Roost Survey	HHVP3	01:00 starting at 14:51	wind speed and direction:Calm, ; visibility: Moderate (1-2km); Rain: None; Frost: ; Snow:	Sunset 16:18. No target species recorded.	JOS
15/12/2016	Non-Breeding	Hen Harrier Roost Survey	HHVP3	01:00 starting at 15:51	wind speed and direction:Calm, ; visibility: Moderate (1-2km); Rain: None; Frost: ; Snow:		JOS
15/12/2016	Non-Breeding	Hen Harrier Roost Survey	HHVP3	01:00 starting at 16:51	wind speed and direction:Calm, ; visibility: Moderate (1-2km); Rain: None; Frost: ; Snow:		JOS

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
27/03/2017	Both (Overlap)	Hen Harrier Roost Survey	HHVP3	02:25 starting at 18:30	wind speed and direction:Light Breeze, SE; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None	No target species recorded.	JOS
30/03/2017	Both (Overlap)	Hen Harrier Roost Survey	hhvp3	02:20 starting at 18:30	wind speed and direction:Gentle Breeze, N; visibility: Moderate (1-2km); Rain: None; Frost: None ; Snow: None	Finish at 20:50 due to poor visibility.	JOS
31/10/2017	Non-Breeding	Hen Harrier Roost Survey	HHVP3	01:00 starting at 15:30	Wind Speed and Direction:Light Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	Sunset 17:06	JOS
31/10/2017	Non-Breeding	Hen Harrier Roost Survey	HHVP3	01:00 starting at 16:30	Wind Speed and Direction:Light Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JOS
31/10/2017	Non-Breeding	Hen Harrier Roost Survey	HHVP3	00:30 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	No target species recorded.	JOS
04/12/2017	Non-Breeding	Hen Harrier Roost Survey	HHVP3	01:00 starting at 14:50	Wind Speed and Direction:Gentle Breeze, SW; Visibility: Moderate (1-2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: Drizzle Mist; Frost: None ; Snow: None	Carry over survey from November due to bad weather, No target species recorded.	JOS
04/12/2017	Non-Breeding	Hen Harrier Roost Survey	HHVP3	01:00 starting at 15:50	Wind Speed and Direction:Gentle Breeze, SW; Visibility: Moderate (1-2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: Drizzle Mist; Frost: None ; Snow: None	Carry over survey from November due to bad weather, No target species recorded.	JOS
04/12/2017	Non-Breeding	Hen Harrier Roost Survey	HHVP3	00:10 starting at 16:50	Wind Speed and Direction:Gentle Breeze, SW; Visibility: Moderate (1-2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: Drizzle Mist; Frost: None ; Snow: None	Carry over survey from November due to bad weather, No target species recorded.	JOS
16/12/2017	Non-Breeding	Hen Harrier/White-tailed Eagle Roost Survey	HHVP3	02:00 starting at 14:47	Wind Speed and Direction:Light Air, W; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None	Sunset: 16:17. NO TARGETS	CP

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
04/02/2018	Non-Breeding	Hen Harrier Roost Survey	HHVP3	02:00 starting at 15:53	Wind Speed and Direction:Calm, NE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 30 Rain: None; Frost: None ; Snow: None	Sunset: 17:23.	CP
14/03/2018	Non-breeding	Hen Harrier Roost Survey	HHVP3	01:00 starting at 17:00	Wind Speed and Direction:Strong Breeze, SE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	No Activity Recorded for HH or WE	JH
14/03/2018	Non-breeding	Hen Harrier Roost Survey	HHVP3	01:10 starting at 18:00	Wind Speed and Direction:Strong Breeze, SE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	No Activity Recorded for HH or WE	JH
20/02/2018	Non-Breeding	Hen Harrier Roost Survey	HHVP4	01:00 starting at 16:30	Wind Speed and Direction:Light Air, S; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-65 Rain: None; Frost: None ; Snow: None		JC
20/02/2018	Non-Breeding	Hen Harrier Roost Survey	HHVP4	01:00 starting at 17:30	Wind Speed and Direction:Light Breeze, S; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-65 Rain: None; Frost: None ; Snow: None		JC
20/02/2018	Non-Breeding	Hen Harrier Roost Survey	HHVP4	00:50 starting at 18:30	Wind Speed and Direction:Light Breeze, S; Visibility: Poor (<km); Cloud Height: >500m; Cloud Cover %: 33-65 Rain: None; Frost: None ; Snow: None		JC
06/10/2016	Non-Breeding	Hen Harrier Roost Survey	HHVP4	01:00 starting at 17:30	wind speed and direction:Gentle Breeze, NW; visibility: Good (>2km); Rain: None; Frost: ; Snow:	sunset 19:03	JOS
06/10/2016	Non-Breeding	Hen Harrier Roost Survey	HHVP4	01:00 starting at 18:30	wind speed and direction:Light Breeze, NW; visibility: Good (>2km); Rain: None; Frost: ; Snow:		JOS
06/10/2016	Non-Breeding	Hen Harrier Roost Survey	HHVP4	01:00 starting at 19:30	wind speed and direction:Light Breeze, NW; visibility: Good (>2km); Rain: None; Frost: ; Snow:	No target species recorded.	JOS
30/11/2016	Non-Breeding	Hen Harrier Roost Survey	HHVP4	01:00 starting at 14:50	wind speed and direction:Calm, ; visibility: Good (>2km); Rain: None; Frost: ; Snow:	No target species recorded.	JOS

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
30/11/2016	Non-Breeding	Hen Harrier Roost Survey	HHVP4	01:00 starting at 15:50	wind speed and direction:Calm, ; visibility: Good (>2km); Rain: None; Frost: ; Snow:	No target species recorded.	JOS
30/11/2016	Non-Breeding	Hen Harrier Roost Survey	HHVP4	00:45 starting at 16:50	wind speed and direction:Calm, ; visibility: Moderate (1-2km); Rain: None; Frost: ; Snow:	No target species recorded.	JOS
14/12/2016	Non-Breeding	Hen Harrier Roost Survey	HHVP4	01:00 starting at 14:48	wind speed and direction:Calm, ; visibility: Good (>2km); Rain: None; Frost: ; Snow:	Sunset 16:18. No target species recorded. Red grouse heard calling.	JOS
14/12/2016	Non-Breeding	Hen Harrier Roost Survey	HHVP4	01:00 starting at 15:48	wind speed and direction:Calm, ; visibility: Good (>2km); Rain: None; Frost: ; Snow:		JOS
14/12/2016	Non-Breeding	Hen Harrier Roost Survey	HHVP4	00:42 starting at 16:48	wind speed and direction:Calm, ; visibility: Good (>2km); Rain: None; Frost: ; Snow:		JOS
08/11/2017	Non-Breeding	Hen Harrier Roost Survey	HHVP4	01:00 starting at 15:25	Wind Speed and Direction:Light Air, ; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None	OCTOBER SURVEY	JOS
08/11/2017	Non-Breeding	Hen Harrier Roost Survey	HHVP4	01:00 starting at 16:25	Wind Speed and Direction:Calm, ; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None	OCTOBER SURVEY	JOS
08/11/2017	Non-Breeding	Hen Harrier Roost Survey	HHVP4	00:40 starting at 17:25	Wind Speed and Direction:Calm, ; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None	OCTOBER SURVEY No target species recorded	JOS
29/11/2017	Non-breeding	Hen Harrier Roost Survey	HHVP4	01:00 starting at 14:55	Wind Speed and Direction:Light Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None		JOS
29/11/2017	Non-breeding	Hen Harrier Roost Survey	HHVP4	01:00 starting at 15:55	Wind Speed and Direction:Light Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None		JOS

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
29/11/2017	Non-breeding	Hen Harrier Roost Survey	HHVP4	00:25 starting at 16:55	Wind Speed and Direction:Light Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None	No target species flightlines recorded.	JOS
17/12/2017	Non-Breeding	Hen Harrier/White-tailed Eagle Roost Survey	HHVP4	02:00 starting at 14:47	Wind Speed and Direction:Light Breeze, NW; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 60 Rain: None; Frost: None ; Snow: None	Sunset: 16:17. NO TARGETS	CP
13/01/2018	Non-Breeding	Hen Harrier Roost Survey	HHVP4	02:00 starting at 15:13	Wind Speed and Direction:Light Air, S; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 75 Rain: None; Frost: None ; Snow: None	Sunset: 16:43.	CP
26/03/2018	Non-breeding	Hen Harrier Roost Survey	HHVP4	01:00 starting at 18:30	Wind Speed and Direction:Gentle Breeze, SE; Visibility: Limited (<500m); Cloud Height: <150m; Cloud Cover %: 66-100 Rain: Heavy Rain; Frost: None ; Snow: None	No Activity Recorded for HH or WE	JH
26/03/2018	Non-breeding	Hen Harrier Roost Survey	HHVP4	01:00 starting at 19:30	Wind Speed and Direction:Moderate Breeze, SE; Visibility: Limited (<500m); Cloud Height: <150m; Cloud Cover %: 66-100 Rain: Heavy Rain; Frost: None ; Snow: None	No Activity Recorded for HH or WE	JH
22/02/2018	Non-breeding	Hen Harrier Roost Survey	HHVP5	02:30 starting at 16:31	Wind Speed and Direction:Gentle Breeze, SE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		PM
10/10/2016	Non-Breeding	Hen Harrier Roost Survey	HHVP5	01:00 starting at 17:20	wind speed and direction:Light Breeze, SW; visibility: Good (>2km); Rain: None; Frost: ; Snow:	Sunset 18:51	JOS
10/10/2016	Non-Breeding	Hen Harrier Roost Survey	HHVP5	01:00 starting at 18:20	wind speed and direction:Light Breeze, SW; visibility: Good (>2km); Rain: None; Frost: ; Snow:		JOS
10/10/2016	Non-Breeding	Hen Harrier Roost Survey	HHVP5	00:31 starting at 19:20	wind speed and direction:Light Breeze, SW; visibility: Good (>2km); Rain: None; Frost: ; Snow:	Hour 3 visibility reduced to 1km - slight haze. Survey ended 19:51 too dark to see. No target species recorded.	JOS

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
23/11/2016	Non-Breeding	Hen Harrier Roost Survey	HHVP5	01:00 starting at 15:00	wind speed and direction:Gentle Breeze, SE; visibility: Good (>2km); Rain: None; Frost: ; Snow:	No Target species recorded.	JOS
23/11/2016	Non-Breeding	Hen Harrier Roost Survey	HHVP5	01:00 starting at 16:00	wind speed and direction:Light Air, SE; visibility: Good (>2km); Rain: None; Frost: ; Snow:	16:30 - incidentals 2 egret fly low over bog, band 1, NW then up to band 2, over compound, circle SE over bog and into conifers out of view.	JOS
23/11/2016	Non-Breeding	Hen Harrier Roost Survey	HHVP5	00:45 starting at 17:00	wind speed and direction:Light Air, SE; visibility: Good (>2km); Rain: None; Frost: ; Snow:		JOS
28/03/2017	Both (Overlap)	Hen Harrier Roost Survey	HHVP5	02:29 starting at 18:30	wind speed and direction:Calm, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		JOS
11/10/2017	Non-Breeding	Hen Harrier Roost Survey	HHVP5	01:00 starting at 17:25	Wind Speed and Direction:Calm, ; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None		JOS
11/10/2017	Non-Breeding	Hen Harrier Roost Survey	HHVP5	01:00 starting at 18:25	Wind Speed and Direction:Calm, ; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66 Rain: Light Showers; Frost: None ; Snow: None		JOS
11/10/2017	Non-Breeding	Hen Harrier Roost Survey	HHVP5	01:00 starting at 19:25	Wind Speed and Direction:Calm, ; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66 Rain: Light Showers; Frost: None ; Snow: None	No target species recorded.	JOS
16/11/2017	Non-breeding	Hen Harrier Roost Survey	HHVP5	01:00 starting at 15:08	Wind Speed and Direction:Calm, ; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None		JOS
16/11/2017	Non-breeding	Hen Harrier Roost Survey	HHVP5	01:00 starting at 16:08	Wind Speed and Direction:Calm, ; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None		JOS

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
16/11/2017	Non-breeding	Hen Harrier Roost Survey	HHVP5	00:12 starting at 17:08	Wind Speed and Direction:Calm, ; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None	No target species flightlines recorded.	JOS
14/12/2017	Non-Breeding	Hen Harrier/White-tailed Eagle Roost Survey	HHVP5	02:00 starting at 14:47	Wind Speed and Direction:Moderate Breeze, NW; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 100-50 Rain: Showers; Frost: None ; Snow: None	Sunset: 16:17. NO TARGETS	CP
31/01/2018	Non-Breeding	Hen Harrier Roost Survey	HHVP5	02:00 starting at 15:45	Wind Speed and Direction:Gentle Breeze, SW; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 50-100 Rain: Rain/hail/snow showers; Frost: None ; Snow: Ground	Sunset: 17:15	CP
23/03/2018	Non-breeding	Hen Harrier Roost Survey	HHVP5	01:00 starting at 17:20	Wind Speed and Direction:Moderate Breeze, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: Heavy Rain; Frost: None ; Snow: None	No Activity Recorded for HH or WE	JH
23/03/2018	Non-breeding	Hen Harrier Roost Survey	HHVP5	01:00 starting at 18:20	Wind Speed and Direction:Moderate Breeze, W; Visibility: Moderate (1-2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: Heavy Rain; Frost: None ; Snow: None	No Activity Recorded for HH or WE	JH
07/02/2018	Non-breeding	Hen Harrier Roost Survey	HHVP6	01:30 starting at 16:01	Wind Speed and Direction:Light Breeze, SW; Visibility: Poor (<km); Cloud Height: <150m; Cloud Cover %: 66-100 Rain: Heavy Showers; Frost: None ; Snow: None		PM
07/02/2018	Non-breeding	Hen Harrier Roost Survey	HHVP6	01:00 starting at 17:31	Wind Speed and Direction:Light Breeze, SW; Visibility: Limited (<500m); Cloud Height: <150m; Cloud Cover %: 66-100 Rain: Heavy Showers; Frost: None ; Snow: None		PM
09/11/2017	Non-Breeding	Hen Harrier Roost Survey	HHVP6	01:00 starting at 15:25	Wind Speed and Direction:Light Air, ; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None	OCTOBER SURVEY	JOS
09/11/2017	Non-Breeding	Hen Harrier Roost Survey	HHVP6	01:00 starting at 16:25	Wind Speed and Direction:Calm, ; Visibility: Good (>2km); Cloud Height: >500m; Cloud	OCTOBER SURVEY	JOS

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
					Cover %: 33-66 Rain: None; Frost: None ; Snow: None		
09/11/2017	Non-Breeding	Hen Harrier Roost Survey	HHVP6	00:35 starting at 17:25	Wind Speed and Direction:Calm, ; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None	OCTOBER SURVEY No target species recorded	JOS
30/11/2017	Non-breeding	Hen Harrier Roost Survey	HHVP6	01:00 starting at 15:00	Wind Speed and Direction:Light Air, nw; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JOS
30/11/2017	Non-breeding	Hen Harrier Roost Survey	HHVP6	01:00 starting at 16:00	Wind Speed and Direction:Light Air, nw; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JOS
30/11/2017	Non-breeding	Hen Harrier Roost Survey	HHVP6	00:30 starting at 17:00	Wind Speed and Direction:Light Air, nw; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JOS
29/12/2017	Non-Breeding	Hen Harrier/White-tailed Eagle Roost Survey	HHVP6	02:00 starting at 14:54	Wind Speed and Direction:Moderate Breeze, NW; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 100 Rain: Showers; Frost: None ; Snow: None	Sunset: 16:24. NO TARGETS	CP
09/01/2018	Non-Breeding	Hen Harrier Roost Survey	HHVP6	02:00 starting at 15:07	Wind Speed and Direction:Gentle Breeze, W; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 100 Rain: Showers; Frost: None ; Snow: None	Sunset: 16:37.	CP
29/03/2018	Non-breeding	Hen Harrier Roost Survey	HHVP6	01:00 starting at 18:30	Wind Speed and Direction:Gentle Breeze, E; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None	No Activity Recorded for HH or WE	JH
29/03/2018	Non-breeding	Hen Harrier Roost Survey	HHVP6	01:00 starting at 19:30	Wind Speed and Direction:Gentle Breeze, E; Visibility: Moderate (1-2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: Light Showers; Frost: None ; Snow: None	No Activity Recorded for HH or WE	JH

Table 7: Woodcock Survey

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
19/05/2016	Breeding	Woodcock Survey	Whole site	02:10 starting at 20:35	wind speed and direction:Light Breeze, ; visibility: Good (>2km); Rain: Light Showers; Frost: None ; Snow: None		PC
29/06/2016	Breeding	Woodcock Survey	1,5,4	02:10 starting at 21:51	wind speed and direction:Light Breeze, W; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		
30/06/2016	Breeding	Woodcock Survey	3,2	02:10 starting at 21:50	wind speed and direction:Gentle Breeze, W; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		

Table 8: Winter Walkover Surveys

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
21/11/2016	Non-Breeding	Winter Walkover Survey	Transects 1-7	03:16 starting at 09:55	wind speed and direction:Gentle Breeze, SE; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		JOS
21/11/2016	Non-Breeding	Winter Walkover Survey	Transects 8-11	01:40 starting at 14:20	wind speed and direction:Moderate Breeze, SE; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		JOS
24/11/2016	Non-Breeding	Winter Walkover Survey	Transects 12-20	05:22 starting at 09:45	wind speed and direction:Calm, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		JOS
12/12/2016	Non-Breeding	Winter Walkover Survey	Transects 12-20	04:27 starting at 09:48	wind speed and direction:Calm, ; visibility: Moderate (1-2km); Rain: None; Frost: None ; Snow: None	Fog over hill top by buffy at start of survey. Light rain shower 09:58. Light misty rain for duration of survey. Visibility 500m for last hour of survey.	JOS
13/12/2016	Non-Breeding	Winter Walkover Survey	Transects 1-7	03:25 starting at 09:30	wind speed and direction:Calm, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		JOS
13/12/2016	Non-Breeding	Winter Walkover Survey	Transects 8-11	01:30 starting at 13:20	wind speed and direction:Calm, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		JOS
13/02/2017	Non-Breeding	Winter Walkover Survey	Transects 1-7	01:00 starting at 10:00	wind speed and direction:Strong Breeze, W; visibility: Good (>2km); Rain: None; Frost: ; Snow:		JOS
13/02/2017	Non-Breeding	Winter Walkover Survey	Transects 1-7	01:00 starting at 11:00	wind speed and direction:Strong Breeze, W; visibility: Good (>2km); Rain: None; Frost: ; Snow:		JOS
13/02/2017	Non-Breeding	Winter Walkover Survey	Transects 1-7	00:50 starting at 12:00	wind speed and direction:Strong Breeze, W; visibility: Good (>2km); Rain: None; Frost: ; Snow:		JOS

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
13/02/2017	Non-Breeding	Winter Walkover Survey	Transects 8-11	01:00 starting at 13:20	wind speed and direction:Strong Breeze, W; visibility: Good (>2km); Rain: None; Frost: ; Snow:		JOS
13/02/2017	Non-Breeding	Winter Walkover Survey	Transects 8-11	00:38 starting at 14:20	wind speed and direction:Strong Breeze, W; visibility: Good (>2km); Rain: None; Frost: ; Snow:		JOS
14/02/2017	Non-Breeding	Winter Walkover Survey	Transects 12-20	01:00 starting at 09:40	wind speed and direction:Light Air, NW; visibility: Moderate (1-2km); Rain: Light Showers; Frost: ; Snow:		JOS
14/02/2017	Non-Breeding	Winter Walkover Survey	Transects 12-20	01:00 starting at 10:40	wind speed and direction:Light Air, NW; visibility: Moderate (1-2km); Rain: None; Frost: ; Snow:	10:40 rain stopped.	JOS
14/02/2017	Non-Breeding	Winter Walkover Survey	Transects 12-20	01:00 starting at 11:40	wind speed and direction:Light Air, NW; visibility: Good (>2km); Rain: None; Frost: ; Snow:		JOS
14/02/2017	Non-Breeding	Winter Walkover Survey	Transects 12-20	00:50 starting at 12:40	wind speed and direction:Light Air, NW; visibility: Good (>2km); Rain: None; Frost: ; Snow:		JOS
12/10/2017	Non-Breeding	Winter Walkover Survey					JOS
13/10/2017	Non-Breeding	Winter Walkover Survey					JOS
01/12/2017	Non-Breeding	Winter Walkover Survey		05:23 starting at 08:45	Wind Speed and Direction:Light Air, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33 Rain: None; Frost: None ; Snow: None	Sunny	CP
02/12/2017	Non-Breeding	Winter Walkover Survey		04:33 starting at 09:05	Wind Speed and Direction:Light Breeze, SW; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 50 Rain: None; Frost: None ; Snow: None		CP

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
23/01/2018	Non-Breeding	Winter Walkover Survey		01:25 starting at 10:40	Wind Speed and Direction:Gentle Breeze, WSW; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 80 Rain: None; Frost: None ; Snow: None		CP
24/01/2018	Non-Breeding	Winter Walkover Survey		00:38 starting at 12:22	Wind Speed and Direction:Gentle Breeze, SW; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 75 Rain: Showers; Frost: None ; Snow: None		CP
31/01/2018	Non-Breeding	Winter Walkover Survey		02:27 starting at 13:05	Wind Speed and Direction:Gentle Breeze, SW; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 100 Rain: Rain spots on occasions; Frost: None ; Snow: None		CP
04/02/2018	Non-Breeding	Winter Walkover Survey		04:32 starting at 10:29	Wind Speed and Direction:Calm, N/A; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0 Rain: None; Frost: None ; Snow: None		CP
21/03/2018	Non-breeding	Winter Walkover Survey		01:00 starting at 10:10	Wind Speed and Direction:Gentle Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JH
21/03/2018	Non-breeding	Winter Walkover Survey		01:00 starting at 11:10	Wind Speed and Direction:Gentle Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JH
21/03/2018	Non-breeding	Winter Walkover Survey		01:00 starting at 12:10	Wind Speed and Direction:Moderate Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JH
21/03/2018	Non-breeding	Winter Walkover Survey		01:00 starting at 13:10	Wind Speed and Direction:Moderate Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JH
21/03/2018	Non-breeding	Winter Walkover Survey		01:00 starting at 14:10	Wind Speed and Direction:Moderate Breeze, SW; Visibility: Good (>2km); Cloud		JH

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
					Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		
21/03/2018	Non-breeding	Winter Walkover Survey		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		JH
22/03/2018	Non-breeding	Winter Walkover Survey		01:00 starting at 10:30	Wind Speed and Direction: Moderate Breeze, S; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: Heavy Rain; Frost: None ; Snow: None		JH
22/03/2018	Non-breeding	Winter Walkover Survey		01:00 starting at 11:30	Wind Speed and Direction: Moderate Breeze, S; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: Heavy Rain; Frost: None ; Snow: None		JH
22/03/2018	Non-breeding	Winter Walkover Survey		01:00 starting at 12:30	Wind Speed and Direction: Moderate Breeze, S; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: Heavy Rain; Frost: None ; Snow: None		JH
22/03/2018	Non-breeding	Winter Walkover Survey		01:00 starting at 13:30	Wind Speed and Direction: Gentle Breeze, SE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: Heavy Showers; Frost: None ; Snow: None		JH
22/03/2018	Non-breeding	Winter Walkover Survey		01:00 starting at 14:30	Wind Speed and Direction: Gentle Breeze, SE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: Heavy Rain; Frost: None ; Snow: None		JH
22/03/2018	Non-breeding	Winter Walkover Survey		01:00 starting at 15:30	Wind Speed and Direction: Gentle Breeze, SE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: Heavy Rain; Frost: None ; Snow: None		JH

Table 9: Wetland & Waterbird Counts

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
23/03/2016	Non-Breeding	Wildfowl Surveys	SW	08:00 starting at 07:00	Wind Speed and Direction:Light Air, SW; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None		PC
12/04/2016	Non-Breeding	Wildfowl Surveys	SE	02:00 starting at 16:00	Wind Speed and Direction:Light Air, SE; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None		PC
20/04/2016	Non-Breeding	Wildfowl Surveys	N	07:30 starting at 08:00	wind speed and direction:Light Air, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		PC
21/04/2016	Non-Breeding	Wildfowl Surveys	S	06:30 starting at 08:00	wind speed and direction:Light Breeze, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		PC
04/08/2016	Breeding	Wildfowl Surveys		09:00 starting at 07:30	wind speed and direction:Light Breeze, S; visibility: ; Rain: None; Frost: None ; Snow: None	Wind speed 3 at beginning of survey. Died down to 1 by approx 8:30.	JOS
05/08/2016	Breeding	Wildfowl Surveys		09:50 starting at 07:40	wind speed and direction:Calm, ; visibility: ; Rain: None; Frost: None ; Snow: None	Seecon Loughs and Lough Glenn and Lough Uggool not surveyed. Could not gain access to construction site.	JOS
23/08/2016	Breeding	Wildfowl Surveys		07:30 starting at 09:00	wind speed and direction:Calm, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		JOS
24/08/2016	Breeding	Wildfowl Surveys		08:30 starting at 07:30	wind speed and direction:Calm, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		JOS
08/09/2016	Breeding	Wildfowl Surveys		08:00 starting at 09:00	wind speed and direction:Calm, S; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None	Seecon Loughs and Lough Glenn and Lough Uggool not surveyed. Could not gain access to construction site.	JOS

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
09/09/2016	Breeding	Wildfowl Surveys		08:30 starting at 09:00	wind speed and direction:Strong Breeze, ; visibility: Poor (<km); Rain: Heavy Showers; Frost: None ; Snow: None	Visibility poor due to mist	JOS
05/10/2016	Non-Breeding	Wildfowl Surveys		08:30 starting at 08:30	wind speed and direction:Calm, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		JOS
06/10/2016	Non-Breeding	Wildfowl Surveys		07:35 starting at 09:00	wind speed and direction:Calm, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		JOS
19/10/2016	Non-Breeding	Wildfowl Surveys	5km radius	08:05 starting at 09:00	wind speed and direction:Gentle Breeze, NW; visibility: Good (>2km); Rain: None; Frost: ; Snow:		JOS
20/10/2016	Non-Breeding	Wildfowl Surveys	5km radius	07:30 starting at 09:00	wind speed and direction:Calm, ; visibility: Good (>2km); Rain: None; Frost: ; Snow:		JOS
03/11/2016	Non-Breeding	Wildfowl Surveys		08:40 starting at 09:00	wind speed and direction:Calm, ; visibility: Good (>2km); Rain: Light Showers; Frost: None ; Snow: None	12:30 - rain; misty showers, visibility 2km. 15:05 - rain stops.	JOS
04/11/2016	Non-Breeding	Wildfowl Surveys		06:30 starting at 09:00	wind speed and direction:Calm, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		JOS
16/11/2016	Non-Breeding	Wildfowl Surveys		07:45 starting at 09:00	wind speed and direction:Moderate Breeze, NW; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		JOS
17/11/2016	Non-Breeding	Wildfowl Surveys		05:20 starting at 09:00	wind speed and direction:Calm, ; visibility: Good (>2km); Rain: Heavy Showers; Frost: None ; Snow: None	Loch na bhFaoilean beag and Tullagharone Lough not surveyed as track was flooded and impassable. Whooper swans recorded at 16:37 during hen harrier roost survey.	JOS
02/12/2016	Non-Breeding	Wildfowl Surveys		07:25 starting at 09:00	wind speed and direction:Calm, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		JOS

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
05/12/2016	Non-Breeding	Wildfowl Surveys		07:00 starting at 09:30	wind speed and direction:Calm, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		JOS
14/12/2016	Non-Breeding	Wildfowl Surveys		07:20 starting at 09:00	wind speed and direction:Calm, ; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		JOS
15/12/2016	Non-Breeding	Wildfowl Surveys		04:35 starting at 09:00	wind speed and direction:Calm, ; visibility: Good (>2km); Rain: Light Showers; Frost: None ; Snow: None	Light showers throughout survey duration.	JOS
05/01/2017	Non-Breeding	Wildfowl Surveys	5km radius	05:40 starting at 09:30	wind speed and direction:Calm, ; visibility: Good (>2km); Rain: None; Frost: ; Snow:		JOS
06/01/2017	Non-Breeding	Wildfowl Surveys	5km radius	07:10 starting at 09:00	wind speed and direction:Gentle Breeze, N; visibility: Moderate (1-2km); Rain: Drizzle Mist; Frost: ; Snow:	Drizzle/ mist for duration of survey. Visibility become poor at 14:50 due to fog. Some lakes partially obscured including lough naweelan, lough fada, Unnamed lough (53.324526, -9.314330)	JOS
16/01/2017	Non-Breeding	Wildfowl Surveys	5km radius	starting at 09:00	wind speed and direction:Light air, NE; visibility: Good (>2km); Rain: None; Frost: ; Snow:		JOS
17/01/2017	Non-Breeding	Wildfowl Surveys	5km radius	09:00 starting at 09:00	wind speed and direction:Calm, ; visibility: Good (>2km); Rain: None; Frost: ; Snow:		JOS
08/02/2017	Non-Breeding	Wildfowl Surveys	5km radius	08:30 starting at 09:00	wind speed and direction:Calm, ; visibility: Good (>2km); Rain: None; Frost: ; Snow:		JOS
09/02/2017	Non-Breeding	Wildfowl Surveys	5km radius	08:00 starting at 09:00	wind speed and direction:Light Air, N; visibility: Good (>2km); Rain: None; Frost: ; Snow:		JOS
07/03/2017	Both (Overlap)	Wildfowl Surveys	5km radius	04:47 starting at 09:15	wind speed and direction:Light Breeze, NW; visibility: Poor (<km); Rain: Light Showers; Frost: None ; Snow: None	11:37 - visibility 500m. 13:00 - visibility 500m. 14:02 - thick fog on site. Survey ended.	JOS
08/03/2017	Both (Overlap)	Wildfowl Surveys	5km radius	07:45 starting at 09:15	wind speed and direction:Gentle Breeze, NE; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		JOS

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
22/03/2017	Both (Overlap)	Wildfowl Surveys	5km radius	07:10 starting at 09:30	wind speed and direction:Strong Breeze, E; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		JOS
23/03/2017	Both (Overlap)	Wildfowl Surveys	5km radius	03:00 starting at 09:30	wind speed and direction:Light Air, SE; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None		JOS
03/04/2017	Breeding	Wildfowl Surveys	5km radius	06:34 starting at 10:30	Wind Speed and Direction:Fresh Breeze, NE; Visibility: Poor (<km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: Drizzle Mist; Frost: None ; Snow: None		JOS
04/04/2017	Breeding	Wildfowl Surveys	5km radius	06:42 starting at 08:54	Wind Speed and Direction:Calm, ; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JOS
18/04/2017	Breeding	Wildfowl Surveys	5km radius	08:25 starting at 09:10	Wind Speed and Direction:Calm, ; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JOS
19/04/2017	Breeding	Wildfowl Surveys	5km radius	04:40 starting at 06:30	Wind Speed and Direction:Calm, ; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JOS
02/05/2017	Breeding	Wildfowl Surveys	5km radius	06:00 starting at 15:20	Wind Speed and Direction:Light Air, ; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None		JOS
03/05/2017	Breeding	Wildfowl Surveys	5km radius	04:40 starting at 15:30	Wind Speed and Direction:Gentle Breeze, NE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None		JOS
16/05/2017	Breeding	Wildfowl Surveys	5km radius	06:30 starting at 11:00	Wind Speed and Direction:Gentle Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JOS

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
17/05/2017	Breeding	Wildfowl Surveys	5km radius	06:45 starting at 10:00	Wind Speed and Direction:Light Air, ; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JOS
01/08/2017	Breeding	Wildfowl Surveys	5km radius	06:30 starting at 11:00	Wind Speed and Direction:Gentle Breeze, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JOS
02/08/2017	Breeding	Wildfowl Surveys	5km radius	06:00 starting at 10:00	Wind Speed and Direction:Gentle Breeze, SW; Visibility: Poor (<km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: Drizzle Mist; Frost: None ; Snow: None	Visibility improves to 2km and cloud height to >500m by 11am.	JOS
14/08/2017	Breeding	Wildfowl Surveys	5km radius	07:25 starting at 09:15	Wind Speed and Direction:Gentle Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: Light Showers; Frost: None ; Snow: None	Rain stopped at 10:10.	JOS
15/08/2017	Breeding	Wildfowl Surveys	5km radius	06:48 starting at 09:30	Wind Speed and Direction:Gentle Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JOS
06/09/2017	Breeding	Wildfowl Surveys	5km radius	04:20 starting at 15:00	Wind Speed and Direction:Moderate Breeze, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: Light Showers; Frost: None ; Snow: None		JOS
07/09/2017	Breeding	Wildfowl Surveys	5km radius	04:30 starting at 15:00	Wind Speed and Direction:Calm, W; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: Drizzle Mist; Frost: None ; Snow: None		JOS
20/09/2017	Breeding	Wildfowl Surveys	5km radius	07:30 starting at 09:30	Wind Speed and Direction:Light Air, ; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: Light Showers; Frost: None ; Snow: None		JOS

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
21/09/2017	Breeding	Wildfowl Surveys	5km radius	08:00 starting at 09:30	Wind Speed and Direction:Gentle Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JOS
03/10/2017	Non-Breeding	Wildfowl Surveys	5km radius	07:00 starting at 10:00	Wind Speed and Direction:Light Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: Light Showers; Frost: None ; Snow: None		JOS
04/10/2017	Non-Breeding	Wildfowl Surveys	5km radius	07:30 starting at 09:30	Wind Speed and Direction:Gentle Breeze, SW; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: Drizzle Mist; Frost: None ; Snow: None		JOS
20/10/2017	Non-Breeding	Wildfowl Surveys	5km radius	07:30 starting at 09:30	Wind Speed and Direction:Gentle Breeze, sw; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JOS
21/10/2017	Non-Breeding	Wildfowl Surveys	5km radius	03:40 starting at 09:30	Wind Speed and Direction:Fresh Breeze, sw; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: Light Showers; Frost: None ; Snow: None		JOS
02/11/2017	Non-Breeding	Wildfowl Surveys	5km radius	07:30 starting at 09:30	Wind Speed and Direction:Calm, ; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JOS
02/11/2017	Non-Breeding	Wildfowl Surveys	5km radius	07:30 starting at 09:30	Wind Speed and Direction:Calm, ; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JOS
03/11/2017	Non-Breeding	Wildfowl Surveys	5km radius	05:33 starting at 09:30	Wind Speed and Direction:Calm, ; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JOS

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
03/11/2017	Non-Breeding	Wildfowl Surveys	5km radius	05:33 starting at 09:30	Wind Speed and Direction:Calm, ; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JOS
16/11/2017	Non-breeding	Wildfowl Surveys	5km	05:30 starting at 09:30	Wind Speed and Direction:Calm, ; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66 Rain: Light Showers; Frost: None ; Snow: None		JOS
17/11/2017	Non-breeding	Wildfowl Surveys	5km	08:00 starting at 09:00	Wind Speed and Direction:Light Air, sw; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JOS
04/12/2017	Non-Breeding	Wildfowl Surveys	5km radius	05:50 starting at 09:00	Wind Speed and Direction:Gentle Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None		JOS
05/12/2017	Non-Breeding	Wildfowl Surveys	5km radius	08:00 starting at 09:00	Wind Speed and Direction:Gentle Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JOS
20/12/2017	Non-Breeding	Wildfowl Surveys	5km radius	05:00 starting at 09:00	Wind Speed and Direction:Calm, ; Visibility: Poor (<km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	Survey ended at 14:00 due to poor visibility. No species recorded.	JOS
21/12/2017	Non-Breeding	Wildfowl Surveys	5km radius	08:00 starting at 09:00	Wind Speed and Direction:Calm, ; Visibility: Moderate (1-2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: Drizzle Mist; Frost: None ; Snow: None	Misty.	JOS
22/12/2017	Non-Breeding	Wildfowl Surveys	5km radius	04:00 starting at 09:00	Wind Speed and Direction:Calm, ; Visibility: Moderate (1-2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	Foggy in places. Additional Survey to make up for 20/12/2017	JOS

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
12/01/2018	Non-breeding	Wildfowl Surveys		03:00 starting at 10:20	Wind Speed and Direction:Light Breeze, SE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		PM
12/01/2018	Non-breeding	Wildfowl Surveys		02:40 starting at 13:20	Wind Speed and Direction:Light Breeze, SE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: Light Showers; Frost: None ; Snow: None		PM
15/01/2018	Non-breeding	Wildfowl Surveys		02:00 starting at 11:00	Wind Speed and Direction:Light Breeze, SE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66 Rain: Light Showers; Frost: None ; Snow: None		PM
15/01/2018	Non-breeding	Wildfowl Surveys		02:00 starting at 13:00	Wind Speed and Direction:Gentle Breeze, SE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: Light Showers; Frost: None ; Snow: None		PM
15/01/2018	Non-breeding	Wildfowl Surveys		01:30 starting at 15:00	Wind Speed and Direction:Moderate Breeze, SE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: Light Showers; Frost: None ; Snow: None		PM
29/01/2018	Non-breeding	Wildfowl Surveys		06:25 starting at 11:20	Wind Speed and Direction:Light Breeze, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None		PM
30/01/2018	Non-breeding	Wildfowl Surveys		04:00 starting at 08:00	Wind Speed and Direction:Light Breeze, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		PM
07/02/2018	Non-breeding	Wildfowl Surveys		01:00 starting at 12:30	Wind Speed and Direction:Light Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		PM
07/02/2018	Non-breeding	Wildfowl Surveys		02:00 starting at 13:30	Wind Speed and Direction:Light Breeze, SW; Visibility: Good (>2km); Cloud Height:		PM

Date	Season	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
					>500m; Cloud Cover %: 66-100 Rain: Light Showers; Frost: None ; Snow: None		
08/02/2018	Non-breeding	Wildfowl Surveys		06:00 starting at 09:30	Wind Speed and Direction:Light Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		PM
09/02/2018	Non-breeding	Wildfowl Surveys		04:30 starting at 10:30	Wind Speed and Direction:Light Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None		PM
21/02/2018	Non-breeding	Wildfowl Surveys		05:00 starting at 10:15	Wind Speed and Direction:Light Air, SE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None		PM
22/02/2018	Non-breeding	Wildfowl Surveys		06:30 starting at 10:00	Wind Speed and Direction:Gentle Breeze, SE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		PM
06/03/2018	Non-breeding	Wildfowl Surveys		09:00 starting at 09:00	Wind Speed and Direction:Light Breeze, S; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		PM
07/03/2018	Non-breeding	Wildfowl Surveys		03:45 starting at 07:45	Wind Speed and Direction:Light Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None		PM
20/03/2018	Non-breeding	Wildfowl Surveys		08:00 starting at 11:00	Wind Speed and Direction:Light Air, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None		PM
21/03/2018	Non-breeding	Wildfowl Surveys		03:15 starting at 08:00	Wind Speed and Direction:Light Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		PM