

Appendix 7-2 – Survey Effort

Cleanrath Wind Farm





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1.

APPENDIX 7-2 (SURVEY EFFORT)

Table 1 Core Vantage Point Survey Effort (Feb 2015 -Mar 2017)

Date	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
21/02/2015	Vantage Point Survey	1	03:00 starting at 14:20	Wind Speed and Direction:Light Breeze, SW; Visibility: Moderate (1- 2km); Cloud Height: ; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None		SI
21/02/2015	Vantage Point Survey	2	06:00 starting at 08:10	Wind Speed and Direction:Light Air, SW; Visibility: Moderate (1-2km); Cloud Height: ; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None		SI
22/02/2015	Vantage Point Survey	1	03:00 starting at 09:00	Wind Speed and Direction:Light Air, W; Visibility: Moderate (1-2km); Cloud Height: ; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		SI
22/02/2015	Vantage Point Survey	3	06:00 starting at 12:15	Wind Speed and Direction:Light Breeze, W; Visibility: Moderate (1- 2km); Cloud Height: ; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None		SI
21/03/2015	Vantage Point Survey	1	06:00 starting at 07:30	Wind Speed and Direction:Calm, NE; Visibility: Moderate (1-2km); Cloud Height: ; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None	Heather and gorse fires in field to the west of the site	SI
21/03/2015	Vantage Point Survey	2	06:00 starting at 13:35	Wind Speed and Direction:Calm, NE; Visibility: Moderate (1-2km); Cloud Height: ; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None	Heather and gorse fires in field to the west of the site	SI

Date	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
22/03/2015	Vantage Point Survey		06:00 starting at 08:00	Wind Speed and Direction:Calm, SE; Visibility: Moderate (1-2km); Cloud Height: ; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None		SI
09/04/2015	Vantage Point Survey	1	03:00 starting at 09:00	Wind Speed and Direction:Light Air, E; Visibility: Limited (<500m); Cloud Height: <150m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None		DP
09/04/2015	Vantage Point Survey	2	03:00 starting at 12:10	Wind Speed and Direction:Gentle Breeze, NE; Visibility: Moderate (1- 2km); Cloud Height: 150-500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None		DP
21/04/2015	Vantage Point Survey	1	03:00 starting at 08:00	Wind Speed and Direction:Gentle Breeze, NE; Visibility: Moderate (1- 2km); Cloud Height: 150-500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None		DP
21/04/2015	Vantage Point Survey	2	03:00 starting at 11:10	Wind Speed and Direction:Light Breeze, SE; Visibility: Moderate (1- 2km); Cloud Height: 150-500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None		DP
21/04/2015	Vantage Point Survey	3	03:00 starting at 14:35	Wind Speed and Direction:Light Breeze, SE; Visibility: Moderate (1- 2km); Cloud Height: 150-500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None		DP
23/04/2015	Vantage Point Survey	3	03:00 starting at 08:15	Wind Speed and Direction:Light Air, SE; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None		DP

Date	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
21/05/2015	Vantage Point Survey	1	03:00 starting at 07:45	Wind Speed and Direction:Gentle Breeze, W; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None		DP
21/05/2015	Vantage Point Survey	2	03:00 starting at 10:55	Wind Speed and Direction:Light Breeze, W; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None		DP
21/05/2015	Vantage Point Survey	3	03:00 starting at 14:25	Wind Speed and Direction:Light Breeze, W; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		DP
30/05/2015	Vantage Point Survey	1	03:00 starting at 07:40	Wind Speed and Direction:Light Breeze, S; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None		DP
30/05/2015	Vantage Point Survey	2	03:00 starting at 10:50	Wind Speed and Direction:Gentle Breeze, SW; Visibility: Limited (<500m); Cloud Height: <150m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None		DP
30/05/2015	Vantage Point Survey	3	03:00 starting at 14:20	Wind Speed and Direction:Gentle Breeze, SW; Visibility: Limited (<500m); Cloud Height: <150m; Cloud Cover %: 100 Rain: Drizzle Mist; Frost: None ; Snow: None		DP

Date	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
18/06/2015	Vantage Point Survey	1	03:00 starting at 14:15	Wind Speed and Direction:Light Breeze, NW; Visibility: Moderate (1- 2km); Cloud Height: 150-500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None		DP
18/06/2015	Vantage Point Survey	3	03:00 starting at 07:40	Wind Speed and Direction:Gentle Breeze, NW; Visibility: Moderate (1- 2km); Cloud Height: 150-500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None		DP
18/06/2015	Vantage Point Survey	3	03:00 starting at 10:40	Wind Speed and Direction:Light Breeze, NW; Visibility: Moderate (1- 2km); Cloud Height: 150-500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None		DP
25/06/2015	Vantage Point Survey	1	03:00 starting at 14:55	Wind Speed and Direction:Moderate Breeze, S; Visibility: Moderate (1- 2km); Cloud Height: 150-500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None		DP
25/06/2015	Vantage Point Survey	2	03:00 starting at 08:45	Wind Speed and Direction:Gentle Breeze, SW; Visibility: Moderate (1- 2km); Cloud Height: 150-500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None		DP
25/06/2015	Vantage Point Survey	2	03:00 starting at 11:45	Wind Speed and Direction:Gentle Breeze, SW; Visibility: Moderate (1- 2km); Cloud Height: 150-500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None		DP

Date	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
23/07/2015	Vantage Point Survey	1	03:00 starting at 14:00	Wind Speed and Direction:Light Breeze, W; Visibility: Moderate (1- 2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		DP
23/07/2015	Vantage Point Survey	3	03:00 starting at 07:25	Wind Speed and Direction:Calm, W; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 66- 100 Rain: None; Frost: None ; Snow: None		DP
23/07/2015	Vantage Point Survey	3	03:00 starting at 10:25	Wind Speed and Direction:Light Air, W; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		DP
29/07/2015	Vantage Point Survey	1	03:00 starting at 07:25	Wind Speed and Direction:Gentle Breeze, N; Visibility: Moderate (1- 2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		DP
29/07/2015	Vantage Point Survey	2	03:00 starting at 10:35	Wind Speed and Direction:Gentle Breeze, NW; Visibility: Moderate (1- 2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		DP
29/07/2015	Vantage Point Survey	2	01:00 starting at 13:35	Wind Speed and Direction:Gentle Breeze, NW; Visibility: Moderate (1- 2km); Cloud Height: 150-500m; Cloud Cover %: 33-66 Rain: Drizzle Mist; Frost: None ; Snow: None		DP

Date	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
26/08/2015	Vantage Point Survey	1	03:00 starting at 14:20	Wind Speed and Direction:Fresh Breeze, W; Visibility: Moderate (1- 2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		DP
26/08/2015	Vantage Point Survey	3	03:00 starting at 07:45	Wind Speed and Direction:Light Breeze, SW; Visibility: Moderate (1- 2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		DP
26/08/2015	Vantage Point Survey	3	03:00 starting at 10:45	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		DP
27/08/2015	Vantage Point Survey	1	03:00 starting at 06:45	Wind Speed and Direction:Gentle Breeze, W; Visibility: Moderate (1- 2km); Cloud Height: 150-500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None		DP
27/08/2015	Vantage Point Survey	2	03:00 starting at 09:55	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		DP
27/08/2015	Vantage Point Survey	2	03:00 starting at 12:55	Wind Speed and Direction:Moderate Breeze, SW; Visibility: Poor (<km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: Drizzle Mist; Frost: None ; Snow: None		DP

Date	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
10/09/2015	Vantage Point Survey	1	03:00 starting at 10:55	Wind Speed and Direction:Gentle Breeze, SE; Visibility: Moderate (1- 2km); Cloud Height: <150m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None		DP
10/09/2015	Vantage Point Survey	2	03:00 starting at 07:45	Wind Speed and Direction:Moderate Breeze, S; Visibility: Poor (<km); Cloud Height: <150m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None		DP
10/09/2015	Vantage Point Survey	2	03:00 starting at 14:05	Wind Speed and Direction:Moderate Breeze, SE; Visibility: Moderate (1- 2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		DP
16/09/2015	Vantage Point Survey	1	03:00 starting at 07:35	Wind Speed and Direction:Light Breeze, NE; Visibility: Moderate (1- 2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		DP
16/09/2015	Vantage Point Survey	3	03:00 starting at 11:15	Wind Speed and Direction:Light Breeze, N; Visibility: Moderate (1- 2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		DP
16/09/2015	Vantage Point Survey	3	03:00 starting at 14:15	Wind Speed and Direction:Light Breeze, N; Visibility: Moderate (1- 2km); Cloud Height: 150-500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None		DP

Date	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
28/10/2015	Vantage Point Survey	1	01:30 starting at 15:22	Wind Speed and Direction:Light Breeze, SW; Visibility: Moderate (1- 2km); Cloud Height: ; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None		JC
28/10/2015	Vantage Point Survey	2	06:00 starting at 09:20	Wind Speed and Direction:Light Air, SW; Visibility: Moderate (1-2km); Cloud Height: ; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None		JC
29/10/2015	Vantage Point Survey	1	04:30 starting at 07:30	Wind Speed and Direction:Light Breeze, SW; Visibility: Moderate (1- 2km); Cloud Height: ; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JC
29/10/2015	Vantage Point Survey	3	03:00 starting at 13:00	Wind Speed and Direction:Moderate Breeze, SW; Visibility: Moderate (1- 2km); Cloud Height: ; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		JC
30/10/2015	Vantage Point Survey		03:00 starting at 08:25	Wind Speed and Direction:Light Air, SW; Visibility: Moderate (1-2km); Cloud Height: ; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None		JC
23/11/2015	Vantage Point Survey	1	03:00 starting at 08:45	Wind Speed and Direction:Gentle Breeze, SW; Visibility: Moderate (1- 2km); Cloud Height: 150-500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None		DP
23/11/2015	Vantage Point Survey	2	03:00 starting at 11:55	Wind Speed and Direction:Gentle Breeze, SW; Visibility: Moderate (1- 2km); Cloud Height: <150m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None		DP

Date	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
24/11/2015	Vantage Point Survey	1	03:00 starting at 10:55	Wind Speed and Direction: Fresh Breeze, N; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None		DP
24/11/2015	Vantage Point Survey	2	03:00 starting at 07:45	Wind Speed and Direction: Gentle Breeze, N; Visibility: Poor (<km); Cloud Height: <150m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None		DP
25/11/2015	Vantage Point Survey	3	03:00 starting at 08:00	Wind Speed and Direction: Fresh Breeze, N; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None		DP
26/11/2015	Vantage Point Survey	3	03:00 starting at 11:00	Wind Speed and Direction: Light Air, W; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		DP
08/12/2015	Vantage Point Survey	3	03:00 starting at 08:15	Wind Speed and Direction: Gentle Breeze, W; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None		DP
08/12/2015	Vantage Point Survey	3	03:00 starting at 11:15	Wind Speed and Direction: Gentle Breeze, W; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None		DP

Date	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
16/12/2015	Vantage Point Survey	1	03:00 starting at 08:30	Wind Speed and Direction:Moderate Breeze, SW; Visibility: Limited (<500m); Cloud Height: <150m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None		DP
16/12/2015	Vantage Point Survey	2	03:00 starting at 11:45	Wind Speed and Direction:Moderate Breeze, SW; Visibility: Limited (<500m); Cloud Height: <150m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None		DP
30/12/2015	Vantage Point Survey	1	03:00 starting at 11:55	Wind Speed and Direction:Gentle Breeze, SW; Visibility: Moderate (1- 2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		DP
30/12/2015	Vantage Point Survey	2	03:00 starting at 08:40	Wind Speed and Direction:Gentle Breeze, SW; Visibility: Moderate (1- 2km); Cloud Height: 150-500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None		DP
04/01/2016	Vantage Point Survey	3	03:00 starting at 11:50	Wind Speed and Direction:Light Breeze, NW; Visibility: Moderate (1- 2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		DP
05/01/2016	Vantage Point Survey	2	03:00 starting at 12:10	Wind Speed and Direction:Gentle Breeze, NW; Visibility: Moderate (1- 2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		DP

Date	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
05/01/2016	Vantage Point Survey	3	03:00 starting at 08:30	Wind Speed and Direction:Gentle Breeze, NW; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		DP
06/01/2016	Vantage Point Survey	1	03:00 starting at 10:45	Wind Speed and Direction:Light Breeze, SW; Visibility: Poor (<km); Cloud Height: 150-500m; Cloud Cover %: 100 Rain: Drizzle Mist; Frost: None ; Snow: None		DP
19/01/2016	Vantage Point Survey	1	03:00 starting at 08:00	Wind Speed and Direction:Light Breeze, SW; Visibility: Poor (<km); Cloud Height: <150m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None		DP
19/01/2016	Vantage Point Survey	2	03:00 starting at 11:15	Wind Speed and Direction:Gentle Breeze, SW ; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		DP
04/02/2016	Vantage Point Survey	3	03:00 starting at 09:30	Wind Speed and Direction:Gentle Breeze, W; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None		DP
09/02/2016	Vantage Point Survey	3	03:00 starting at 10:45	Wind Speed and Direction:Light Air, NW; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		DP

Date	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
10/02/2016	Vantage Point Survey	1	03:00 starting at 11:25	Wind Speed and Direction:Light Breeze, NW; Visibility: Moderate (1- 2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		DP
10/02/2016	Vantage Point Survey	2	03:00 starting at 08:15	Wind Speed and Direction:Light Breeze, W; Visibility: Moderate (1- 2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		DP
15/02/2016	Vantage Point Survey	1	03:00 starting at 08:45	Wind Speed and Direction:Light Air, NE; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None		DP
15/02/2016	Vantage Point Survey	2	03:00 starting at 12:00	Wind Speed and Direction:Light Breeze, SW; Visibility: Moderate (1- 2km); Cloud Height: 150-500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None		DP
03/03/2016	Vantage Point Survey	3	03:00 starting at 11:00	Wind Speed and Direction:Gentle Breeze, SW; Visibility: Poor (<km); Cloud Height: <150m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None		DP
08/03/2016	Vantage Point Survey	1	03:00 starting at 11:15	Wind Speed and Direction:Light Air, SW; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None		DP

Date	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
08/03/2016	Vantage Point Survey	3	03:00 starting at 07:30	Wind Speed and Direction:Light Air, SW; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None		DP
24/03/2016	Vantage Point Survey	2	03:00 starting at 13:10	Wind Speed and Direction:Moderate Breeze, NW; Visibility: Moderate (1- 2km); Cloud Height: 150-500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None		DP
25/03/2016	Vantage Point Survey	1	03:00 starting at 10:00	Wind Speed and Direction:Fresh Breeze, SW; Visibility: No Visibility; Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		DP
25/03/2016	Vantage Point Survey	2	03:00 starting at 13:15	Wind Speed and Direction:Fresh Breeze, SW; Visibility: No Visibility; Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		DP
07/04/2016	Vantage Point Survey	2	03:00 starting at 14:15	Wind Speed and Direction:Fresh Breeze, NW; Visibility: Moderate (1- 2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		DP
07/04/2016	Vantage Point Survey	3	03:00 starting at 07:30	Wind Speed and Direction:Moderate Breeze, NW; Visibility: Moderate (1- 2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		DP

Date	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
07/04/2016	Vantage Point Survey	3	03:00 starting at 10:30	Wind Speed and Direction:Gentle Breeze, NW; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		DP
12/04/2016	Vantage Point Survey	1	03:00 starting at 07:45	Wind Speed and Direction:Light Air, E; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		DP
12/04/2016	Vantage Point Survey	1	03:00 starting at 14:15	Wind Speed and Direction:Moderate Breeze, SE; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		DP
12/04/2016	Vantage Point Survey	2	03:00 starting at 11:00	Wind Speed and Direction:Light Breeze, SE; Visibility: Moderate (1-2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		DP
20/04/2016	Vantage Point Survey	1	03:00 starting at 07:45	Wind Speed and Direction:Gentle Breeze, E; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None		DP
20/04/2016	Vantage Point Survey	2	03:00 starting at 11:00	Wind Speed and Direction:Moderate Breeze, E; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None		DP

Date	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
20/04/2016	Vantage Point Survey	3	03:00 starting at 14:40	Wind Speed and Direction:Moderate Breeze, E; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		DP
03/05/2016	Vantage Point Survey	1	03:00 starting at 07:45	Wind Speed and Direction:Moderate Breeze, NW; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		DP
03/05/2016	Vantage Point Survey	3	03:00 starting at 11:45	Wind Speed and Direction:Moderate Breeze, W; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 6-100 Rain: None; Frost: None ; Snow: None		DP
03/05/2016	Vantage Point Survey	3	03:00 starting at 14:45	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	No visaul species recorded during 2nd Count.	DP
12/05/2016	Vantage Point Survey	1	03:00 starting at 15:00	Wind Speed and Direction:Moderate Breeze, NE; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None		DP
12/05/2016	Vantage Point Survey	2	03:00 starting at 11:45	Wind Speed and Direction:Gentle Breeze, NE; Visibility: Moderate (1-2km); Cloud Height: <150m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None		DP

Date	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
12/05/2016	Vantage Point Survey	3	03:00 starting at 07:30	Wind Speed and Direction:Gentle Breeze, N; Visibility: Moderate (1-2km); Cloud Height: <150m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None		DP
24/05/2016	Vantage Point Survey	1	03:00 starting at 09:00	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		DP
24/05/2016	Vantage Point Survey	2	03:00 starting at 12:20	Wind Speed and Direction:Fresh Breeze, SE; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		DP
24/05/2016	Vantage Point Survey	2	03:00 starting at 15:45	Wind Speed and Direction:Fresh Breeze, SE; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		DP
03/06/2016	Vantage Point Survey	1	03:00 starting at 11:10	Wind Speed and Direction:Gentle Breeze, SE; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None		DP
03/06/2016	Vantage Point Survey	2	03:00 starting at 14:30	Wind Speed and Direction:Gentle Breeze, SE; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None		DP

Date	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
03/06/2016	Vantage Point Survey	3	03:00 starting at 07:30	Wind Speed and Direction:Light Air, E; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 0- 33 Rain: None; Frost: None ; Snow: None		DP
20/06/2016	Vantage Point Survey	1	03:00 starting at 14:30	Wind Speed and Direction:Moderate Breeze, NW; Visibility: Moderate (1- 2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		DP
20/06/2016	Vantage Point Survey	2	03:00 starting at 11:15	Wind Speed and Direction:Gentle Breeze, NW; Visibility: Moderate (1- 2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		DP
20/06/2016	Vantage Point Survey	3	03:00 starting at 07:35	Wind Speed and Direction:Gentle Breeze, W; Visibility: Moderate (1- 2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		DP
27/06/2016	Vantage Point Survey	1	03:00 starting at 07:45	Wind Speed and Direction:Gentle Breeze, NW; Visibility: Moderate (1- 2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		DP
27/06/2016	Vantage Point Survey	2	03:00 starting at 11:00	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		DP

Date	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
27/06/2016	Vantage Point Survey	3	03:00 starting at 14:35	Wind Speed and Direction:Gentle Breeze, W; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		DP
07/07/2016	Vantage Point Survey	3	03:00 starting at 07:40	Wind Speed and Direction:Light Air, SW; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		DP
07/07/2016	Vantage Point Survey	3	03:00 starting at 11:00	Wind Speed and Direction:Light Breeze, SW; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		DP
13/07/2016	Vantage Point Survey	1	03:00 starting at 07:50	Wind Speed and Direction:Fresh Breeze, NW; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		DP
13/07/2016	Vantage Point Survey	2	03:00 starting at 11:10	Wind Speed and Direction:Moderate Breeze, NW; Visibility: Poor (<km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: Drizzle Mist; Frost: None ; Snow: None		DP
20/07/2016	Vantage Point Survey	1	03:00 starting at 11:30	Wind Speed and Direction:Moderate Breeze, NW; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		DP

Date	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
20/07/2016	Vantage Point Survey	2	03:00 starting at 08:00	Wind Speed and Direction:Moderate Breeze, NW; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		DP
08/08/2016	Vantage Point Survey	3	03:00 starting at 12:45	Wind Speed and Direction:Fresh Breeze, NW; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		DP
08/08/2016	Vantage Point Survey	3	03:00 starting at 16:15	Wind Speed and Direction:Light Air, NW; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		DP
24/08/2016	Vantage Point Survey	1	03:00 starting at 08:00	Wind Speed and Direction:Light Breeze, SW; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		DP
24/08/2016	Vantage Point Survey	2	03:00 starting at 11:30	Wind Speed and Direction:Gentle Breeze, SW; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	No Species recorded during Count.	DP
31/08/2016	Vantage Point Survey	1	03:00 starting at 11:15	Wind Speed and Direction:Moderate Breeze, NW; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		DP

Date	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
31/08/2016	Vantage Point Survey	2	03:00 starting at 07:45	Wind Speed and Direction:Gentle Breeze, NW; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	No Species recorded during Count.	DP
13/09/2016	Vantage Point Survey	3	03:00 starting at 09:30	Wind Speed and Direction:Light Breeze, N; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		DP
13/09/2016	Vantage Point Survey	3	03:00 starting at 13:00	Wind Speed and Direction:Light Breeze, N; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		DP
20/09/2016	Vantage Point Survey	1	03:00 starting at 10:30	Wind Speed and Direction:Light Breeze, SW; Visibility: Poor (<km); Cloud Height: <150m; Cloud Cover %: 100 Rain: Drizzle Mist; Frost: None ; Snow: None		DP
20/09/2016	Vantage Point Survey	2	03:00 starting at 14:00	Wind Speed and Direction:Gentle Breeze, SW; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None		DP
26/09/2016	Vantage Point Survey	1	03:00 starting at 11:30	Wind Speed and Direction:Gentle Breeze, SW; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		DP

Date	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
26/09/2016	Vantage Point Survey	2	03:00 starting at 08:00	Wind Speed and Direction:Gentle Breeze, S; Visibility: Moderate (1- 2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		DP
15/10/2016	Vantage Point Survey	3	03:00 starting at 08:00	Wind Speed and Direction:Light Breeze, E; Visibility: Moderate (1- 2km); Cloud Height: 150-500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None		DP
15/10/2016	Vantage Point Survey	3	03:00 starting at 11:30	Wind Speed and Direction:Light Breeze, SE; Visibility: Moderate (1- 2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		DP
22/10/2016	Vantage Point Survey	1	03:00 starting at 08:15	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		DP
22/10/2016	Vantage Point Survey	2	03:00 starting at 11:45	Wind Speed and Direction:Light Breeze, E; Visibility: Moderate (1- 2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		DP
29/10/2016	Vantage Point Survey	1	03:00 starting at 11:30	Wind Speed and Direction:Gentle Breeze, S; Visibility: Moderate (1- 2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		DP

Date	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
29/10/2016	Vantage Point Survey	2	03:00 starting at 08:00	Wind Speed and Direction:Light Breeze, S; Visibility: Moderate (1- 2km); Cloud Height: 150-500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None		DP
14/11/2016	Vantage Point Survey	3	03:00 starting at 11:00	Wind Speed and Direction:Light Breeze, W; Visibility: Moderate (1- 2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	No Species Recorded during count.	DP
14/11/2016	Vantage Point Survey	3	03:00 starting at 14:30	Wind Speed and Direction:Gentle Breeze, W; Visibility: Moderate (1- 2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	No Species Recorded during count.	DP
24/11/2016	Vantage Point Survey	1	03:00 starting at 11:00	Wind Speed and Direction:Fresh Breeze, NE; Visibility: Moderate (1- 2km); Cloud Height: 150-500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None		DP
24/11/2016	Vantage Point Survey	2	03:00 starting at 14:30	Wind Speed and Direction:Fresh Breeze, NE; Visibility: Moderate (1- 2km); Cloud Height: 150-500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None		DP
28/11/2016	Vantage Point Survey	1	03:00 starting at 11:20	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	No Species Recorded during count.	DP

Date	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
28/11/2016	Vantage Point Survey	2	03:00 starting at 07:50	Wind Speed and Direction:Gentle Breeze, E; Visibility: Moderate (1- 2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		DP
07/12/2016	Vantage Point Survey	3	03:00 starting at 10:45	Wind Speed and Direction:Fresh Breeze, SW; Visibility: Poor (<km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		DP
07/12/2016	Vantage Point Survey	3	03:00 starting at 14:00	Wind Speed and Direction:Moderate Breeze, SW; Visibility: Poor (<km); Cloud Height: <150m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		DP
14/12/2016	Vantage Point Survey	1	03:00 starting at 07:50	Wind Speed and Direction:Fresh Breeze, N; Visibility: Moderate (1- 2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		DP
14/12/2016	Vantage Point Survey	2	03:00 starting at 11:15	Wind Speed and Direction:Moderate Breeze, N; Visibility: Moderate (1- 2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		DP
20/12/2016	Vantage Point Survey	1	03:00 starting at 11:30	Wind Speed and Direction:Fresh Breeze, SW; Visibility: Moderate (1- 2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		DP

Date	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
20/12/2016	Vantage Point Survey	2	03:00 starting at 08:00	Wind Speed and Direction:Moderate Breeze, SW; Visibility: Poor (<km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: Drizzle Mist; Frost: None ; Snow: None		DP
09/01/2017	Vantage Point Survey	3	03:00 starting at 08:30	Wind Speed and Direction:Gentle Breeze, NW; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		DP
09/01/2017	Vantage Point Survey	3	03:00 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	No Recordings during second count	DP
13/01/2017	Vantage Point Survey	1	03:00 starting at 09:00	Wind Speed and Direction:Moderate Breeze, NW; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None		DP
13/01/2017	Vantage Point Survey	1	03:00 starting at 12:30	Wind Speed and Direction:Gentle Breeze, NW; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None		DP
23/01/2017	Vantage Point Survey	2	03:00 starting at 08:00	Wind Speed and Direction:Moderate Breeze, S; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		DP

Date	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
23/01/2017	Vantage Point Survey	2	03:00 starting at 11:30	Wind Speed and Direction:Moderate Breeze, S; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		DP
07/02/2017	Vantage Point Survey	3	03:00 starting at 10:30	Wind Speed and Direction:Gentle Breeze, NW; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		DP
07/02/2017	Vantage Point Survey	3	03:00 starting at 14:00	Wind Speed and Direction:Gentle Breeze, NW; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	No observations during second count.	DP
10/02/2017	Vantage Point Survey	1	03:00 starting at 08:00	Wind Speed and Direction:Fresh Breeze, NE; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		DP
10/02/2017	Vantage Point Survey	1	03:00 starting at 11:30	Wind Speed and Direction:Fresh Breeze, NE; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		DP
28/02/2017	Vantage Point Survey	2	03:00 starting at 08:00	Wind Speed and Direction:Moderate Breeze, NW; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		DP

Date	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
28/02/2017	Vantage Point Survey	2	03:00 starting at 11:30	Wind Speed and Direction: Fresh Breeze, NW; Visibility: Moderate (1- 2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		DP

Table 2 Operational Monitoring Vantage Point Survey Effort (Jan 2020 - May 2020)

Date	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
06/02/2020	Vantage Point Survey	1	03:40 starting at 07:20	Wind Speed and Direction: Fresh Breeze, SW; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	No target species Recorded. Passerines & Corvids Recorded.	SA
13/02/2020	Vantage Point Survey	2	03:00 starting at 07:35	Wind Speed and Direction: Strong Breeze, SW; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: Light Showers; Frost: None ; Snow: None	Passerines & GP (target sp.) Recorded.	SA
22/02/2020	Vantage Point Survey	1	06:00 starting at 12:25	Wind Speed and Direction: Strong Breeze, SW; Visibility: Poor (<km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	Corvids and passerines recorded.	SA
28/02/2020	Vantage Point Survey	1	03:05 starting at 06:35	Wind Speed and Direction: Fresh Breeze, S; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: Drizzle Mist; Frost: None ; Snow: None	Corvids and passerines recorded.	SA
29/02/2020	Vantage Point Survey	2	03:10 starting at 06:30	Wind Speed and Direction: Fresh Breeze, SW; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	Corvids and passerines recorded.	SA
29/02/2020	Vantage Point Survey	2	06:00 starting at 12:37	Wind Speed and Direction: Strong Breeze, SW; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: Drizzle Mist; Frost: None ; Snow: None	Ravens, passerines, corvids and grey heron recorded.	SA

Date	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
05/03/2020	Vantage Point Survey	1	01:00 starting at 07:10	Wind Speed and Direction:Light Air, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 30 Rain: None; Frost: On site; Snow: None	Probable HH roost location on plateau between VP1 nad VP2 in burnt area. Scattered feathers and droppings. No pellots. May be a roost (exposed) temorary stopover	CC
05/03/2020	Vantage Point Survey	1	01:00 starting at 08:10	Wind Speed and Direction:Light Air, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 30 Rain: None; Frost: On site; Snow: None	Probable HH roost location on plateau between VP1 nad VP2 in burnt area. Scattered feathers and droppings. No pellots. May be a roost (exposed) temorary stopover	CC
05/03/2020	Vantage Point Survey	1	01:00 starting at 09:10	Wind Speed and Direction:Light Air, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 40 Rain: None; Frost: On site; Snow: None	Probable HH roost location on plateau between VP1 nad VP2 in burnt area. Scattered feathers and droppings. No pellots. May be a roost (exposed) temorary stopover	CC
05/03/2020	Vantage Point Survey	1	01:00 starting at 09:40	Wind Speed and Direction:Light Air, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 60 Rain: None; Frost: None ; Snow: None	Probable HH roost location on plateau between VP1 nad VP2 in burnt area. Scattered feathers and droppings. No pellots. May be a roost (exposed) temorary stopover	CC
05/03/2020	Vantage Point Survey	1	01:00 starting at 10:40	Wind Speed and Direction:Light Breeze, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 60 Rain: None; Frost: None ; Snow: None	Probable HH roost location on plateau between VP1 nad VP2 in burnt area. Scattered feathers and droppings. No pellots. May be a roost (exposed) temorary stopover	CC
05/03/2020	Vantage Point Survey	1	01:00 starting at 11:40	Wind Speed and Direction:Light Breeze, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 75 Rain: None; Frost: None ; Snow: None	Probable HH roost location on plateau between VP1 nad VP2 in burnt area. Scattered feathers and droppings. No pellots. May be a roost (exposed) temorary stopover	CC

Date	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
14/03/2020	Vantage Point Survey	2	01:00 starting at 05:45	Wind Speed and Direction:Light Air, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 50 Rain: None; Frost: On site; Snow: None		CC
14/03/2020	Vantage Point Survey	2	01:00 starting at 06:45	Wind Speed and Direction:Light Air, S; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 70 Rain: None; Frost: On site; Snow: None		CC
14/03/2020	Vantage Point Survey	2	01:00 starting at 07:45	Wind Speed and Direction:Light Breeze, S; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 70 Rain: None; Frost: None ; Snow: None		CC
14/03/2020	Vantage Point Survey	2	01:00 starting at 09:15	Wind Speed and Direction:Light Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 60 Rain: None; Frost: None ; Snow: None		CC
14/03/2020	Vantage Point Survey	2	01:00 starting at 10:15	Wind Speed and Direction:Gentle Breeze, SW; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 90 Rain: Light Showers; Frost: None ; Snow: None		CC
14/03/2020	Vantage Point Survey	2	01:00 starting at 11:15	Wind Speed and Direction:Gentle Breeze, SW; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 80 Rain: None; Frost: None ; Snow: None		CC

Date	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
23/04/2020	Vantage Point Survey	1	03:00 starting at 15:20	Wind Speed and Direction:Light Air, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 80-90 Rain: None; Frost: None ; Snow: None	Cleanrath WF	CMc
23/04/2020	Vantage Point Survey	1	03:00 starting at 18:50	Wind Speed and Direction:Calm, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 75-95 Rain: None; Frost: None ; Snow: None	Cleanrath WF	CMc
24/04/2020	Vantage Point Survey	2	03:00 starting at 15:20	Wind Speed and Direction:Calm, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None	Cleanrath WF	CMc
24/04/2020	Vantage Point Survey	2	03:00 starting at 18:50	Wind Speed and Direction:Calm, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None	Cleanrath WF	CMc
03/05/2020	Vantage Point Survey	1	06:35 starting at 05:25	Wind Speed and Direction:Light Breeze, SW; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None	Breeding Kestrels outside of 500m survey radius.	SA
08/05/2020	Vantage Point Survey	2	06:30 starting at 05:15	Wind Speed and Direction:Light Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None	Grey Heron outside 500m survey radius.	SA

Table 3 Core Breeding Bird (Adapted Brown & Shephard) Survey Effort (Feb 2015 – Mar 2017)

Date	Survey Method	Survey Duration	Weather Conditions	Comments	Surveyor
15/04/2015	Breeding Bird Surveys	08:30 starting at 08:00	Wind Speed and Direction:Light Air, NE; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		DP
02/06/2015	Breeding Bird Surveys	08:00 starting at 08:00	Wind Speed and Direction:Moderate Breeze, W; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None	MAY SURVEY	DP
16/06/2015	Breeding Bird Surveys	09:15 starting at 07:45	Wind Speed and Direction:Moderate Breeze, SW; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None		DP
09/07/2015	Breeding Bird Surveys	08:15 starting at 07:45	Wind Speed and Direction:Gentle Breeze, SW; Visibility: Poor (<km); Cloud Height: <150m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None		DP
19/08/2015	Breeding Bird Surveys	07:50 starting at 07:40	Wind Speed and Direction:Gentle Breeze, SW; Visibility: Limited (<500m); Cloud Height: <150m; Cloud Cover %: 100 Rain: Light Showers; Frost: None ; Snow: None		DP
17/09/2015	Breeding Bird Surveys	08:30 starting at 07:30	Wind Speed and Direction:Light Breeze, N; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		DP
28/03/2016	Breeding Bird Surveys	05:15 starting at 10:15	Wind Speed and Direction:Light Air, W; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		DP

Date	Survey Method	Survey Duration	Weather Conditions	Comments	Surveyor
15/04/2016	Breeding Bird Surveys	08:45 starting at 07:45	Wind Speed and Direction:Gentle Breeze, NE; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		DP
25/04/2016	Breeding Bird Surveys	08:35 starting at 07:40	Wind Speed and Direction:Moderate Breeze, NW; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		DP
23/05/2016	Breeding Bird Surveys	08:45 starting at 07:45	Wind Speed and Direction:Light Breeze, NE; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		DP
31/05/2016	Breeding Bird Surveys	08:30 starting at 11:00	Wind Speed and Direction:Gentle Breeze, N; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None		DP
26/06/2016	Breeding Bird Surveys	08:25 starting at 07:35	Wind Speed and Direction:Moderate Breeze, NW; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		DP
30/06/2016	Breeding Bird Surveys	07:30 starting at 07:30	Wind Speed and Direction:Fresh Breeze, W; Visibility: Moderate (1-2km); Cloud Height: <150m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		DP
18/07/2016	Breeding Bird Surveys	08:15 starting at 10:20	Wind Speed and Direction:Moderate Breeze, S; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None		DP

Date	Survey Method	Survey Duration	Weather Conditions	Comments	Surveyor
28/07/2016	Breeding Bird Surveys	08:30 starting at 07:45	Wind Speed and Direction: Fresh Breeze, W; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		DP
17/08/2016	Breeding Bird Surveys	05:15 starting at 07:45	Wind Speed and Direction: Gentle Breeze, SW; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		DP

Table 4 Pre-Commencement Breeding Bird (Adapted Brown & Shephard) Survey Effort (June 2018- Aug 2018)

Date	Survey Method	Survey Duration	Weather Conditions	Comments	Surveyor
24/06/2018	Breeding Bird Survey	07:30 starting at 08:00	Wind Speed and Direction:, SE; Visibility: ; Cloud Height: ; Cloud Cover %: 0-33 Rain: ; Frost: ; Snow:		JM
24/07/2018	Breeding Bird Survey	06:00 starting at 12:00	Wind Speed and Direction:Light Air, W; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 55 Rain: None; Frost: None ; Snow: None		CMc
25/07/2018	Breeding Bird Survey	06:00 starting at 09:30	Wind Speed and Direction:Gentle Breeze, SSW; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 80 Rain: None; Frost: None ; Snow: None		CMc
16/08/2018	Breeding Bird Survey	01:00 starting at 08:45	Wind Speed and Direction:Gentle Breeze, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: Light Showers; Frost: None ; Snow: None		TR
16/08/2018	Breeding Bird Survey	01:00 starting at 09:45	Wind Speed and Direction:Gentle Breeze, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None		TR
16/08/2018	Breeding Bird Survey	01:00 starting at 10:45	Wind Speed and Direction:Light Breeze, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: Light Showers; Frost: None ; Snow: None		TR
16/08/2018	Breeding Bird Survey	01:00 starting at 12:15	Wind Speed and Direction:Moderate Breeze, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: Light Showers; Frost: None ; Snow: None		TR
16/08/2018	Breeding Bird Survey	01:00 starting at 13:15	Wind Speed and Direction:Gentle Breeze, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: Light Showers; Frost: None ; Snow: None	Kestrel female hunting on site at [521233, 569185]	TR

Date	Survey Method	Survey Duration	Weather Conditions	Comments	Surveyor
16/08/2018	Breeding Bird Survey	01:00 starting at 14:15	Wind Speed and Direction:Gentle Breeze, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None	Sparrowhawk flushed by vehicle at [520745, 570124]	TR
17/08/2018	Breeding Bird Survey	01:00 starting at 08:15	Wind Speed and Direction:Moderate Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: Light Showers; Frost: None ; Snow: None	Skylark juvenile present at [519362,569767]	TR
17/08/2018	Breeding Bird Survey	01:00 starting at 09:15	Wind Speed and Direction:Fresh Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	Meadow pipit at [519336, 569767]	TR
17/08/2018	Breeding Bird Survey	01:00 starting at 10:15	Wind Speed and Direction:Fresh Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: Light Showers; Frost: None ; Snow: None	Wheatear present at [519654, 568855]	TR
17/08/2018	Breeding Bird Survey	01:00 starting at 11:45	Wind Speed and Direction:Fresh Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: Light Showers; Frost: None ; Snow: None		TR
17/08/2018	Breeding Bird Survey	01:00 starting at 12:45	Wind Speed and Direction:Fresh Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: Light Showers; Frost: None ; Snow: None		TR
17/08/2018	Breeding Bird Survey	01:00 starting at 13:45	Wind Speed and Direction:Fresh Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: Light Showers; Frost: None ; Snow: None		TR

Table 5 Operational Breeding Bird (Adapted Brown & Shephard) Survey Effort (Jan 2020 - May 2020)

Date	Survey Method	Survey Duration	Weather Conditions	Comments	Surveyor
23/05/2020	Breeding Bird Surveys	04:55 starting at 06:35	Wind Speed and Direction:Light Air, SW; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None	Kestrel recorded foraging within collision height.	SA

Table 6 Core Breeding Raptor Survey Effort (Feb 2015 – Mar 2017)

Date	Survey Method		Survey Duration	Weather Conditions	Comments	Surveyor
23/04/2015	Breeding Raptor Survey	Peregrine Nesting Survey	05:10 starting at 11:20	Wind Speed and Direction:Light Breeze, SE; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 33 Rain: None; Frost: None ; Snow: None	no targets	DP
27/04/2015	Breeding Raptor Survey	Barn Owl Nesting Survey	05:45 starting at 08:15	Wind Speed and Direction:Light Air, SE; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None	no targets	DP
14/05/2015	Breeding Raptor Survey	Hen Harrier Wider Area Search	08:30 starting at 08:00	Wind Speed and Direction:Gentle Breeze, SW; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None	no targets	DP
01/06/2015	Breeding Raptor Survey	Merlin Wider Area Search	08:30 starting at 07:45	Wind Speed and Direction:Light Breeze, SW; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	MAY SURVEY. No targets	DP
14/07/2015	Breeding Raptor Survey	Hen Harrier Wider Area Search	08:35 starting at 07:40	Wind Speed and Direction:Light Air, NE; Visibility: Poor (<km); Cloud Height: <150m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None		DP
21/07/2015	Breeding Raptor Survey	Merlin Wider Area Search	08:40 starting at 07:20	Wind Speed and Direction:Light Breeze, SW; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		DP
19/01/2016	Breeding Raptor Survey	Hen Harrier Wider Area Search	01:00 starting at 16:00	Wind Speed and Direction:Gentle Breeze, SW; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		DP

Date	Survey Method		Survey Duration	Weather Conditions	Comments	Surveyor
14/04/2016	Breeding Raptor Survey		08:30 starting at 07:45	Wind Speed and Direction:Light Breeze, SE; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 65-100 Rain: None; Frost: None ; Snow: None	no targets	DP
22/04/2016	Breeding Raptor Survey		08:45 starting at 08:00	Wind Speed and Direction:Fresh Breeze, NW; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	no targets	DP
28/04/2016	Breeding Raptor Survey		09:00 starting at 08:30	Wind Speed and Direction:Moderate Breeze, NW; Visibility: Moderate (1-2km); Cloud Height: <150m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	no targets	DP
11/05/2016	Breeding Raptor Survey		08:45 starting at 07:30	Wind Speed and Direction:Light Breeze, SW; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		DP
17/05/2016	Breeding Raptor Survey		08:45 starting at 07:45	Wind Speed and Direction:Gentle Breeze, NW; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		DP
19/05/2016	Breeding Raptor Survey		08:40 starting at 07:40	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		DP
07/06/2016	Breeding Raptor Survey		08:30 starting at 10:00	Wind Speed and Direction:Light Breeze, SW; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		DP

Date	Survey Method		Survey Duration	Weather Conditions	Comments	Surveyor
15/06/2016	Breeding Raptor Survey		09:15 starting at 07:30	Wind Speed and Direction: Fresh Breeze, N; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		DP
22/06/2016	Breeding Raptor Survey		08:45 starting at 10:15	Wind Speed and Direction: Moderate Breeze, W; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None		DP
08/07/2016	Breeding Raptor Survey		08:45 starting at 07:30	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		DP
22/07/2016	Breeding Raptor Survey		08:30 starting at 07:45	Wind Speed and Direction: Light Air, NW; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None		DP
26/07/2016	Breeding Raptor Survey		08:40 starting at 07:50	Wind Speed and Direction: Moderate Breeze, W; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None		DP

Table 7 Pre-Commencement Breeding Raptor Survey Effort (June 2018 - Aug 2018)

Date	Survey Method		Survey Duration	Weather Conditions	Comments	Surveyor
22/06/2018	Breeding Raptor Survey	South	06:30 starting at 08:00	Wind Speed and Direction:, S; Visibility: ; Cloud Height: ; Cloud Cover %: 66-100 Rain: ; Frost: ; Snow:		JM
23/06/2018	Breeding Raptor Survey	North	07:00 starting at 08:00	Wind Speed and Direction:, SW; Visibility: ; Cloud Height: ; Cloud Cover %: 0-33 Rain: ; Frost: ; Snow:		JM
25/07/2018	Breeding Raptor Survey	2	02:00 starting at 15:30	Wind Speed and Direction:Gentle Breeze, S; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 45 Rain: None; Frost: None ; Snow: None	No targets	CMc
26/07/2018	Breeding Raptor Survey	3	02:00 starting at 09:00	Wind Speed and Direction:Moderate Breeze, S; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 100 Rain: Light Showers; Frost: None ; Snow: None	No targets	CMc
26/07/2018	Breeding Raptor Survey	1	02:00 starting at 11:00	Wind Speed and Direction:Moderate Breeze, S; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 100 Rain: Light Showers; Frost: None ; Snow: None	No targets	CMc
15/08/2018	Breeding Raptor Survey	500m-2km Buffer of dev. Footprint	01:00 starting at 10:00	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	Kestrel flushed from rocky outcrop	TR
15/08/2018	Breeding Raptor Survey	500m-2km Buffer of dev. Footprint	01:00 starting at 11:00	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		TR
15/08/2018	Breeding Raptor Survey	500m-2km Buffer of dev. Footprint	01:00 starting at 12:00	Wind Speed and Direction:Gentle Breeze, SW; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: Heavy Rain; Frost: None ; Snow: None		TR

Date	Survey Method		Survey Duration	Weather Conditions	Comments	Surveyor
15/08/2018	Breeding Raptor Survey	500m-2km Buffer of dev. Footprint	01:00 starting at 13:30	Wind Speed and Direction:Moderate Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66 Rain: Heavy Rain; Frost: None ; Snow: None		TR
15/08/2018	Breeding Raptor Survey	500m-2km Buffer of dev. Footprint	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		TR
15/08/2018	Breeding Raptor Survey	500m-2km Buffer of dev. Footprint	01:00 starting at 15:30	Wind Speed and Direction:Gentle Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None		TR

Table 8 Operational Breeding Raptor Survey Effort (Jan 2020 – May 2020)

Date	Survey Method	VP	Survey Duration	Weather Conditions	Comments	Surveyor
09/05/2020	Breeding Raptor Survey	1	03:00 starting at 06:05	Wind Speed and Direction:Gentle Breeze, SW; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None	Sparrowhawk Recorded.	SA
09/05/2020	Breeding Raptor Survey	2	01:40 starting at 10:05	Wind Speed and Direction:Gentle Breeze, SW; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None	Kestrel Recorded.	SA

Table 9 Red Grouse Survey Effort

Date	Survey Method	Transect/ Area	Survey Duration	Weather Conditions	Comments	Surveyor
27/03/2015	Red Grouse Surveys		05:00 starting at 10:00	Wind Speed and Direction:Light Breeze, SE; Visibility: Limited (<500m); Cloud Height: ; Cloud Cover %: 100 Rain: Drizzle Mist; Frost: None ; Snow: None	No RG or any sign, 6 GP in breeding habitat, 2 SN flushed	DP
24/03/2016	Red Grouse Surveys		05:00 starting at 11:00	Wind Speed and Direction:Light Air, S; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	Licence no. 002/2016. No RG response. Overall habitat on site poor for RG. Predominantly western gorse and acid grassland.	PC
22/03/2017	Red Grouse Surveys	1	01:18 starting at 09:04	Wind Speed and Direction:Light Breeze, N; Visibility: Moderate (1- 2km); Cloud Height: ; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None	no red grouse recorded	JC
22/03/2017	Red Grouse Surveys	2	02:55 starting at 10:45	Wind Speed and Direction:Gentle Breeze, N; Visibility: Moderate (1- 2km); Cloud Height: ; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None	no red grouse recorded	JC
22/03/2017	Red Grouse Surveys	3	04:18 starting at 14:12	Wind Speed and Direction:Light Breeze, NE; Visibility: Moderate (1- 2km); Cloud Height: ; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	no red grouse recorded	JC
23/03/2017	Red Grouse Surveys	4	01:55 starting at 09:20	Wind Speed and Direction:Light Breeze, N; Visibility: Moderate (1- 2km); Cloud Height: ; Cloud Cover	no red grouse recorded	JC

Date	Survey Method	Transect/ Area	Survey Duration	Weather Conditions	Comments	Surveyor
				%: 33-33 Rain: None; Frost: None ; Snow: None		
23/03/2017	Red Grouse Surveys	5	01:24 starting at 12:00	Wind Speed and Direction:Light Breeze, N; Visibility: Moderate (1- 2km); Cloud Height: ; Cloud Cover %: 33-34 Rain: None; Frost: None ; Snow: None	no red grouse recorded	JC
23/03/2017	Red Grouse Surveys	6	00:32 starting at 13:40	Wind Speed and Direction:Light Breeze, N; Visibility: Moderate (1- 2km); Cloud Height: ; Cloud Cover %: 33-35 Rain: None; Frost: None ; Snow: None	no red grouse recorded	JC
23/03/2017	Red Grouse Surveys	7	00:58 starting at 14:50	Wind Speed and Direction:Calm, N; Visibility: Moderate (1-2km); Cloud Height: ; Cloud Cover %: 33-36 Rain: None; Frost: None ; Snow: None	no red grouse recorded	JC
23/03/2017	Red Grouse Surveys	8	00:28 starting at 16:20	Wind Speed and Direction:Light Air, N; Visibility: Moderate (1-2km); Cloud Height: ; Cloud Cover %: 33- 37 Rain: None; Frost: None ; Snow: None	no red grouse recorded	JC
23/03/2017	Red Grouse Surveys	9	00:20 starting at 16:55	Wind Speed and Direction:Light Air, N; Visibility: Moderate (1-2km); Cloud Height: ; Cloud Cover %: 33- 38 Rain: None; Frost: None ; Snow: None	no red grouse recorded	JC

Table 10 Core Hen Harrier Roost Survey Effort (Feb 2015 – Mar 2017)

Date	Survey Method	Survey Duration	Weather Conditions	Comments	Surveyor
25/11/2015	Hen Harrier Roost Surveys	02:00 starting at 15:15	Wind Speed and Direction:Gentle Breeze, N; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None	No targets	DP
30/11/2015	Hen Harrier Roost Surveys	02:00 starting at 15:20	Wind Speed and Direction:Gentle Breeze, N; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None	No targets	DP
15/02/2016	Hen Harrier Roost Surveys	01:30 starting at 16:45	Wind Speed and Direction:Gentle Breeze, SW; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None		DP
25/03/2016	Hen Harrier Roost Surveys	01:30 starting at 18:00	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		DP
22/10/2016	Hen Harrier Roost Surveys	01:40 starting at 17:20	Wind Speed and Direction:Light Breeze, E; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		DP
21/11/2016	Hen Harrier Roost Surveys	01:40 starting at 15:35	Wind Speed and Direction:Fresh Breeze, W; Visibility: Poor (<km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		DP
01/12/2016	Hen Harrier Roost Surveys	01:45 starting at 15:30	Wind Speed and Direction:Gentle Breeze, SE; Visibility: Poor (<km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	Nov survey No HH recorded during Count.	DP

Date	Survey Method	Survey Duration	Weather Conditions	Comments	Surveyor
04/12/2016	Hen Harrier Roost Surveys	01:45 starting at 15:15	Wind Speed and Direction:Gentle Breeze, SE; Visibility: Poor (<km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	Nov survey. No HH recorded during Count.	DP
12/12/2016	Hen Harrier Roost Surveys	01:30 starting at 15:30	Wind Speed and Direction:Light Breeze, S; Visibility: Poor (<km); Cloud Height: <150m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		DP
22/12/2016	Hen Harrier Roost Surveys	01:40 starting at 15:20	Wind Speed and Direction:Light Breeze, S; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	No Recordings made during count.	DP
30/12/2016	Hen Harrier Roost Surveys	01:40 starting at 15:20	Wind Speed and Direction:Gentle Breeze, W; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	No Recordings made during count.	DP
12/01/2017	Hen Harrier Roost Surveys	01:30 starting at 15:45	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	No Recordings during count	DP
24/01/2017	Hen Harrier Roost Surveys	01:30 starting at 16:10	Wind Speed and Direction:Moderate Breeze, SW; Visibility: Poor (<km); Cloud Height: <150m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	No Recordings during count	DP
26/01/2017	Hen Harrier Roost Surveys	01:30 starting at 16:10	Wind Speed and Direction:Fresh Breeze, SE; Visibility: Poor (<km); Cloud Height: <150m; Cloud Cover %: 66-100 Rain: Drizzle Mist; Frost: None ; Snow: None	No Recordings during count	DP

Date	Survey Method	Survey Duration	Weather Conditions	Comments	Surveyor
14/02/2017	Hen Harrier Roost Surveys	01:30 starting at 16:45	Wind Speed and Direction: Moderate Breeze, S; Visibility: Poor (<km); Cloud Height: <150m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	No HH recorded.	DP
21/02/2017	Hen Harrier Roost Surveys	01:30 starting at 17:00	Wind Speed and Direction: Moderate Breeze, SW; Visibility: Poor (<km); Cloud Height: <150m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	No HH recorded.	DP
23/02/2017	Hen Harrier Roost Surveys	01:30 starting at 17:05	Wind Speed and Direction: Fresh Breeze, NW; Visibility: Poor (<km); Cloud Height: <150m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	No HH recorded.	DP

Table 11 Operational Hen Harrier Roost Survey Effort (Jan 2020 – May 2020)

Date	Survey Method	Survey Duration	Weather Conditions	Comments	Surveyor
05/02/2020	Hen Harrier Roost Survey	01:00 starting at 16:30	Wind Speed and Direction: Moderate Breeze, SW; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	No HH recorded but a K. & Corvids Recorded.	SA
05/02/2020	Hen Harrier Roost Survey	00:30 starting at 17:30	Wind Speed and Direction: Fresh Breeze, SW; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	NO HH recorded but a ML Recorded.	SA
06/02/2020	Hen Harrier Roost Survey	01:00 starting at 16:10	Wind Speed and Direction: Fresh Breeze, SW; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	No HH recorded, BZ recorded. Passerines.	SA
06/02/2020	Hen Harrier Roost Survey	00:50 starting at 17:10	Wind Speed and Direction: Strong Breeze, SW; Visibility: Poor (<km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	No HH recorded.	SA
07/02/2020	Hen Harrier Roost Survey	01:00 starting at 16:15	Wind Speed and Direction: Moderate Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	No HH recorded. Passerines & RN recorded.	SA
07/02/2020	Hen Harrier Roost Survey	00:50 starting at 17:15	Wind Speed and Direction: Fresh Breeze, SW; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	No HH recorded, H. recorded	SA
08/02/2020	Hen Harrier Roost Survey	01:30 starting at 16:30	Wind Speed and Direction: Fresh Breeze, SW; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: Light Showers; Frost: None ; Snow: None	No HH recorded. 1 kestrel, corvids and passerines recorded.	SA
15/02/2020	Hen Harrier Roost Survey	01:25 starting at 16:40	Wind Speed and Direction: Fresh Breeze, SW; Visibility: Moderate (1-2km); Cloud Height: <150m; Cloud Cover %: 66-100 Rain: Light Showers; Frost: None ; Snow: None	No HH recorded, 1 Buzzard, corvids and passerines recorded.	SA
23/02/2020	Hen Harrier Roost Survey	01:30 starting at 16:45	Wind Speed and Direction: Strong Breeze, NW; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: Light Showers; Frost: None ; Snow: None	No HH recorded. Corvids and passerines recorded.	SA

Date	Survey Method	Survey Duration	Weather Conditions	Comments	Surveyor
04/03/2020	Hen Harrier Roost Survey	01:00 starting at 16:50	Wind Speed and Direction:Light Breeze, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 50 Rain: None; Frost: On site; Snow: None		CC
04/03/2020	Hen Harrier Roost Survey	01:00 starting at 17:50	Wind Speed and Direction:Light Air, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 60 Rain: None; Frost: On site; Snow: None		CC
04/03/2020	Hen Harrier Roost Survey	00:40 starting at 18:50	Wind Speed and Direction:Light Air, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 60 Rain: None; Frost: On site; Snow: None		CC
05/03/2020	Hen Harrier Roost Survey	01:00 starting at 16:50	Wind Speed and Direction:Light Breeze, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 80 Rain: None; Frost: None ; Snow: None		CC
05/03/2020	Hen Harrier Roost Survey	01:00 starting at 17:50	Wind Speed and Direction:Light Breeze, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 80 Rain: Light Showers; Frost: None ; Snow: None		CC
05/03/2020	Hen Harrier Roost Survey	00:25 starting at 18:50	Wind Speed and Direction:Light Breeze, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 60 Rain: None; Frost: None ; Snow: None		CC
12/03/2020	Hen Harrier Roost Survey	01:00 starting at 16:20	Wind Speed and Direction:Gentle Breeze, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 50 Rain: Light Showers; Frost: None ; Snow: None	HHVP4 is loctaed at W19463-69632 (Irish Grid), looking N-W-S and back to hilltop.grey feathers found. Watch deicated to assess proable roost at Derrineang. Paul C stationed to east(T14)and me to the west.	CC
12/03/2020	Hen Harrier Roost Survey	01:00 starting at 17:20	Wind Speed and Direction:Gentle Breeze, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 50 Rain: Light Showers; Frost: None ; Snow: None	HHVP4 is loctaed at W19463-69632 (Irish Grid), looking N-W-S and back to hilltop	CC
12/03/2020	Hen Harrier Roost Survey	01:00 starting at 18:20	Wind Speed and Direction:Gentle Breeze, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 40 Rain: None; Frost: None ; Snow: None	HHVP4 is loctaed at W19463-69632 (Irish Grid), looking N-W-S and back to hilltop	CC

Date	Survey Method	Survey Duration	Weather Conditions	Comments	Surveyor
12/03/2020	Hen Harrier Roost Survey	01:00 starting at 16:10	Wind Speed and Direction:Gentle Breeze, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 50 Rain: Light Showers; Frost: None ; Snow: None	HHVP5 is located at Irish Grid ref W21010-69772 looking N-W-S	PC
12/03/2020	Hen Harrier Roost Survey	01:00 starting at 17:10	Wind Speed and Direction:Gentle Breeze, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 50 Rain: Light Showers; Frost: None ; Snow: None		PC
12/03/2020	Hen Harrier Roost Survey	01:00 starting at 18:10	Wind Speed and Direction:Gentle Breeze, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 40 Rain: None; Frost: None ; Snow: None		PC
12/03/2020	Hen Harrier Roost Survey	00:20 starting at 19:10	Wind Speed and Direction:Gentle Breeze, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 40 Rain: None; Frost: None ; Snow: None		PC
14/03/2020	Hen Harrier Roost Survey	01:00 starting at 17:05	Wind Speed and Direction:Gentle Breeze, SW; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 100 Rain: Light Showers; Frost: None ; Snow: None		CC
14/03/2020	Hen Harrier Roost Survey	01:00 starting at 18:05	Wind Speed and Direction:Moderate Breeze, SW; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None		CC
14/03/2020	Hen Harrier Roost Survey	00:20 starting at 19:05	Wind Speed and Direction:Moderate Breeze, SW; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None		CC

Table 12 Waterfowl Survey Effort

Date	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
26/11/2015	Waterfowl Survey	Dawn Count Lough Allua	03:00 starting at 07:00	Wind Speed and Direction:Light Air, W; Visibility: Moderate (1-2km); Cloud Height: <150m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None		DP
26/11/2015	Waterfowl Survey	Dawn Count Lough Allua	03:00 starting at 14:30	Wind Speed and Direction:Light Breeze, W; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		DP
27/11/2015	Waterfowl Survey	Dawn Count Lough Allua	03:00 starting at 07:00	Wind Speed and Direction:Light Breeze, N; Visibility: Limited (<500m); Cloud Height: <150m; Cloud Cover %: 66-200 Rain: None; Frost: None ; Snow: None		DP
27/11/2015	Waterfowl Survey	Dawn Count Lough Allua	03:00 starting at 14:30	Wind Speed and Direction:Gentle Breeze, N; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		DP
09/12/2015	Waterfowl Survey	Lough Allua Dawn Count 4	03:00 starting at 07:35	Wind Speed and Direction:Gentle Breeze, NW; Visibility: Poor (<km); Cloud Height: 150-500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None		DP
09/12/2015	Waterfowl Survey	Lough Allua Dusk Count 4	03:00 starting at 14:20	Wind Speed and Direction:Moderate Breeze, NW; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None		DP
15/12/2015	Waterfowl Survey	Lough Allua Dawn Count 5	03:00 starting at 07:40	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		DP

Date	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
15/12/2015	Waterfowl Survey	Lough Allua Dusk Count 5	03:00 starting at 14:15	Wind Speed and Direction:Gentle Breeze, S; Visibility: Moderate (1-2km); Cloud Height: <150m; Cloud Cover %: 100 Rain: Drizzle Mist; Frost: None ; Snow: None		DP
04/01/2016	Waterfowl Survey	Lough Allua Dawn Count 4	03:00 starting at 07:40	Wind Speed and Direction:Light Air, W; Visibility: Poor (<km); Cloud Height: 150-500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None		DP
06/01/2016	Waterfowl Survey	Lough Allua Dusk Count 4	03:00 starting at 14:40	Wind Speed and Direction:Gentle Breeze, SW; Visibility: Poor (<km); Cloud Height: <150m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None		DP
07/01/2016	Waterfowl Survey	Lough Allua Dawn Count 5	03:00 starting at 08:00	Wind Speed and Direction:Light Breeze, W; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 66--100 Rain: None; Frost: None ; Snow: None		DP
07/01/2016	Waterfowl Survey	Lough Allua Dusk Count 5	03:00 starting at 14:30	Wind Speed and Direction:Light Breeze, SW; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		DP
04/02/2016	Waterfowl Survey	Lough Allua Dusk Count 4	03:00 starting at 15:15	Wind Speed and Direction:Light Breeze, W; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None		DP
09/02/2016	Waterfowl Survey	Lough Allua Dawn Count 4	03:00 starting at 07:00	Wind Speed and Direction:Light Breeze, W; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		DP

Date	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
18/02/2016	Waterfowl Survey	Lough Allua Dawn Count 5	03:00 starting at 07:00	Wind Speed and Direction:Light Breeze, SW; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		DP
18/02/2016	Waterfowl Survey	Lough Allua Dusk Count 5	03:00 starting at 15:20	Wind Speed and Direction:Gentle Breeze, SW; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		DP
03/03/2016	Waterfowl Survey	Lough Allua Dawn Count 4	03:00 starting at 07:20	Wind Speed and Direction:Light Air, W; Visibility: Poor (<km); Cloud Height: <150m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None		DP
24/03/2016	Waterfowl Survey	Lough Allua Dusk Count 4	03:00 starting at 16:45	Wind Speed and Direction:Light Breeze, NW; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		DP
28/03/2016	Waterfowl Survey	Lough Allua Dawn Count 5	03:00 starting at 06:30	Wind Speed and Direction:Light Air, SW; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		DP
28/03/2016	Waterfowl Survey	Lough Allua Dusk Count 5	03:00 starting at 18:00	Wind Speed and Direction:Gentle Breeze, W; Visibility: Poor (<km); Cloud Height: 150-500m; Cloud Cover %: 100 Rain: Drizzle Mist; Frost: None ; Snow: None		DP
08/08/2016	Waterfowl Survey		01:45 starting at 10:00	Wind Speed and Direction:Gentle Breeze, NW; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None		DP

Date	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
31/08/2016	Waterfowl Survey		01:30 starting at 15:00	Wind Speed and Direction:Gentle Breeze, NW; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		DP
13/09/2016	Waterfowl Survey		01:25 starting at 16:35	Wind Speed and Direction:Light Breeze, N; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		DP
26/09/2016	Waterfowl Survey		01:45 starting at 15:15	Wind Speed and Direction:Light Breeze, SW; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		DP
15/10/2016	Waterfowl Survey		01:20 starting at 15:00	Wind Speed and Direction:Light Breeze, SE; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		DP
29/10/2016	Waterfowl Survey		01:45 starting at 15:15	Wind Speed and Direction:Light Breeze, S; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		DP
14/11/2016	Waterfowl Survey		01:30 starting at 09:00	Wind Speed and Direction:Light Breeze, W; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		DP
28/11/2016	Waterfowl Survey		01:30 starting at 15:00	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	November survey	DP

Date	Survey Method	VP/ transect/ area number	Survey Duration	Weather Conditions	Comments	Surveyor
14/12/2016	Waterfowl Survey		01:15 starting at 15:00	Wind Speed and Direction:Moderate Breeze, N; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		DP
30/12/2016	Waterfowl Survey		01:30 starting at 13:30	Wind Speed and Direction:Gentle Breeze, W; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		DP
09/01/2017	Waterfowl Survey		01:00 starting at 15:30	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		DP
26/01/2017	Waterfowl Survey		01:30 starting at 14:00	Wind Speed and Direction:Fresh Breeze, SE; Visibility: Moderate (1-2km); Cloud Height: <150m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		DP
07/02/2017	Waterfowl Survey		01:15 starting at 08:45	Wind Speed and Direction:Gentle Breeze, NW; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		DP
23/02/2017	Waterfowl Survey		01:30 starting at 14:45	Wind Speed and Direction:Moderate Breeze, NW; Visibility: Poor (<km); Cloud Height: <150m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		DP

Table 13 Core Winter Walkover Survey Effort (Feb 2015 – Mar 2017)

Date	Survey Method	Survey Duration	Weather Conditions	Comments	Surveyor
21/11/2016	Winter Walkover	05:30 starting at 09:30	Wind Speed and Direction: Fresh Breeze, N; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		DP
05/12/2016	Winter Walkover	06:15 starting at 08:30	Wind Speed and Direction: Moderate Breeze, SE; Visibility: Poor (<km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	Nov survey	DP
12/12/2016	Winter Walkover	05:00 starting at 10:00	Wind Speed and Direction: Gentle Breeze, S; Visibility: Poor (<km); Cloud Height: <150m; Cloud Cover %: 66-100 Rain: Drizzle Mist; Frost: None ; Snow: None		DP
22/12/2016	Winter Walkover	06:00 starting at 09:00	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		DP
12/01/2017	Winter Walkover	06:00 starting at 09:00	Wind Speed and Direction: Gentle Breeze, W; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		DP
24/01/2017	Winter Walkover	06:00 starting at 09:30	Wind Speed and Direction: Moderate Breeze, SW; Visibility: Poor (<km); Cloud Height: <150m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		DP
14/02/2017	Winter Walkover	06:00 starting at 10:00	Wind Speed and Direction: Moderate Breeze, S; Visibility: Poor (<km); Cloud Height: <150m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		DP
21/02/2017	Winter Walkover	06:00 starting at 10:15	Wind Speed and Direction: Moderate Breeze, SW; Visibility: Poor (<km); Cloud Height: <150m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None		DP

Table 14 Operational Winter Walkover Survey Effort (Jan 2020 – May 2020)

Date	Survey Method	Transect	Survey Duration	Weather Conditions	Comments	Surveyor
05/02/2020	Winter Walkover	Transect 1 -7	02:35 starting at 12:40	Wind Speed and Direction:Moderate Breeze, SW; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	Passerines, Corvids, BZ recorded.	SA
06/02/2020	Winter Walkover	Transect 8-15	02:25 starting at 11:50	Wind Speed and Direction:Fresh Breeze, SW; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	Passerines, Corvids recorded.	SA
23/02/2020	Winter Walkover	T1-T13	04:00 starting at 11:00	Wind Speed and Direction:Moderate Breeze, NW; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: Drizzle Mist; Frost: None ; Snow: None	Passerines and Corvids Recorded.	SA
05/03/2020	Winter Walkover		01:00 starting at 13:00	Wind Speed and Direction:Light Air, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 85 Rain: None; Frost: None ; Snow: None		CC
05/03/2020	Winter Walkover		01:00 starting at 14:00	Wind Speed and Direction:Light Air, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 90 Rain: Light Showers; Frost: None ; Snow: None		CC
05/03/2020	Winter Walkover		01:00 starting at 15:00	Wind Speed and Direction:Light Air, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 90 Rain: None; Frost: None ; Snow: None		CC
05/03/2020	Winter Walkover		00:30 starting at 16:00	Wind Speed and Direction:Light Breeze, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 80 Rain: None; Frost: None ; Snow: None		CC

Date	Survey Method	Transect	Survey Duration	Weather Conditions	Comments	Surveyor
12/03/2020	Winter Walkover		01:00 starting at 13:30	Wind Speed and Direction:Gentle Breeze, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 40 Rain: Light Showers; Frost: None ; Snow: None		CC
12/03/2020	Winter Walkover		01:00 starting at 14:30	Wind Speed and Direction:Gentle Breeze, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 30 Rain: None; Frost: None ; Snow: None		CC