APPENDIX 7.1

Summary of vantage point (VP) watch variables, Tirawley Wind Farm Site, April 2021 to March 2023

Date	Season	Obs	VP no.	Duration (hrs)		Start Time	Weather conditions
	Summer no. 1						
23/04/2021	Summer	MH	2	3		07.28	Dry, Good visibility, SE F2-3
24/04/2021	Summer	BM	1	3		10.00	Dry, Good visibility, S, F2
24/04/2021	Summer	BM	5	3		14.00	Dry, Good visibility, S-SE, F3
25/04/2021	Summer	BM	5	3		07.45	Dry, Good visibility, SW, F3
25/04/2021	Summer	BM	1	3		12.00	Dry, Good visibility, SW, F3
29/04/2021	Summer	MH	2	3		18.00	Dry, Good visibility, NE F4
29/04/2021	Summer	CR	3	3		07.30	Dry, Good visibility, N F3
29/04/2021	Summer	CR	3	3		11.00	Dry, Good visibility, NE F3
30/04/2021	Summer	CR	4	3		14.00	Dry, Good visibility, N wind, F4
30/04/2021	Summer	CR	4	3		17.30	Dry, Good visibility, N wind, F4
09/05/2021	Summer	MH	2	3		09.05	Dry, Good visibility, SE wind, F3-4
09/05/2021	Summer	MH	2	3		12.30	Dry, Good visibility, SE wind, F3-4
09/05/2021	Summer	BM	1	3		09.30	Dry, Good visibility, SE wind, F3-4
09/05/2021	Summer	BM	1	3		13.00	Dry, Good visibility, SE wind, F3
16/05/2021	Summer	CR	4	3		07.30	Dry, Good visibility, WNW wind, F3-4
16/05/2021	Summer	CR	4	3		11.00	Dry, Good visibility, WNW wind, F3
20/05/2021	Summer	BM	5	3		08.00	Dry, Good visibility, NW wind, F3
20/05/2021	Summer	BM	5	3		13.00	Dry, Good visibility, N wind, F2-3
26/05/2021	Summer	CR	3	3		08.00	Dry, Good visibility, NE wind, F3
27/05/2021	Summer	CR	3	3		11.00	Dry, Good visibility, NE wind, F2-3
03/06/2021	Summer	CR	4	3		07.00	Dry, Good visibility, SW wind, F4+
03/06/2021	Summer	CR	4	4		10.30	Dry, Good visibility, SW wind F4
07/06/2021	Summer	MH	2	3		11.45	Dry, Good visibility, S wind, F3
07/06/2021	Summer	MH	2	3		15:30	Dry, Good visibility, S wind, F3
12/06/2021	Summer	BM	1	3		07.00	Dry, Good visibility, SW wind, F3
12/06/2021	Summer	BM	5	3		14.00	Dry, Good visibility, SW wind, F3
13/06/2021	Summer	BM	1	3		10.00	Dry, Good visibility, NW wind, F4
13/06/2021	Summer	BM	5	3		15.00	Dry, Good visibility, NW wind, F4
25/06/2021	Summer	MH	3	3		09:00	Dry, Good visibility, N wind, F4
25/06/2021	Summer	MH	3	3		12:45	Dry, Good visibility, N wind, F4
01/07/2021	Summer	CR	4	3		20.00	Dry, Good visibility, NW wind, F2-3
02/07/2021	Summer	CR	4	3		06.00	Drizzle, Mod-good visibility, SW, F3
12/07/2021	Summer	MH	2	3		10:30	Dry, Good visibility, NW wind, F3
12/07/2021	Summer	MH	2	3		14:30	Dry, Good visibility, NW wind, F3

Date	Season	Obs	VP no.	Duration (hrs)		Start Time	Weather conditions
14/07/2021	Summer	JA	1	3		07.45	Dry, Good visibility, SW wind, F2
14/07/2021	Summer	JA	1	3		12.00	Dry, Good visibility, SW wind, F2
15/07/2021	Summer	BM	5	3		10.00	Dry, Good visibility, SW wind, F1-2
15/07/2021	Summer	BM	5	3		16.00	Dry, Good visibility, SW wind, F1-2
22/07/2021	Summer	MH	3	3		10:00	Dry, Good visibility, SE wind, F2
22/07/2021	Summer	MH	3	3		13:30	Dry, Good visibility, SE wind, F2
11/08/2021	Summer	MH	2	3		07:35	Dry, Good visibility, W wind, F3
11/08/2021	Summer	MH	2	3		11:00	Dry, Good visibility, W wind, F3
13/08/2021	Summer	JA	5	3		08.30	Dry, Good visibility, W wind, F3
13/08/2021	Summer	JA	5	3		13.00	Dry, Good visibility, W wind, F3
24/08/2021	Summer	MH	3	3		08:00	Dry, Good visibility, NE wind, F3
24/08/2021	Summer	MH	3	3		11:30	Dry, Good visibility, NE wind, F3
27/08/2021	Summer	BM	1	3		09.00	Showers, Good visibility, N wind, F3-4
27/08/2021	Summer	BM	1	3		14.30	Dry, Good visibility, N wind, F2
31/08/2021	Summer	CR	4	3		11.00	Dry, Good visibility, SE wind, F4
31/08/2021	Summer	CR	4	3		14.30	Dry, Good visibility, SE wind, F3-4
09/09/2021	Summer	CR	3	3		11.30	Dry, Good visibility, WNW wind, F3-4
09/09/2021	Summer	CR	3	3		15.00	Dry, Good visibility, WNW wind, F3
10/09/2021	Summer	MH	2	3		07:10	Drizzle, Good visibility, NW wind, F2-3
10/09/2021	Summer	MH	2	3		12:00	Drizzle, Mod-good vis., NW wind, F3
15/09/2021	Summer	JA	1	3		07.30	Dry, Good visibility, W wind, F3-4
15/09/2021	Summer	JA	5	3		12.00	Dry, Good visibility, NW wind, F3
16/09/2021	Summer	JA	5	3		10.20	Showers, Good visibility, NW wind, F3
16/09/2021	Summer	JA	1	3		14.00	Showers, Good visibility, NW wind, F3
30/09/2021	Summer	CR	4	3		12.30	Showers, Mod-good visibility, W F4-5
30/09/2021	Summer	CR	4	3		16.00	Showers, Good visibility, W wind, F4
	Winter No. 1						
10/10/2021	Winter	JA	1	3		09.15	Dry, Good visibility, SW wind, F3-4
10/10/2021	Winter	JA	1	3		13.00	Dry, Good visibility, SW wind, F3
14/10/2021	Winter	MH	2	3		07.50	Dry, Good visibility, SW wind, F3
14/10/2021	Winter	MH	2	3		11.45	Dry, Good visibility, SW wind, F4
22/10/2021	Winter	CR	4	3		13:00	Showers, Good visibility, WSW wind, F4
22/10/2021	Winter	CR	4	3		15:30	Showers, Good visibility, WSW wind, F4
24/10/2021	Winter	BM	5	3		09.30	Rain, Mod-good visibility, NW wind, F3
24/10/2021	Winter	BM	5	3		14.00	Showers, Good visibility, W wind, F2
31/10/2021	Winter	HK	3	3		07.00	Dry, Good visibility, S wind F3
31/10/2021	Winter	HK	3	3		10.30	Dry, Good visibility, S wind F2-3
24/11/2021	Winter	BM	1	3		09.30	Showers, Good visibility, SW wind, F4
24/11/2021	Winter	BM	1	3		13.00	Showers, Good visibility, SW wind, F3-4
24/11/2021	Winter	JA	5	3		09.15	Showers, Good visibility, SW wind, F3

Date	Season	Obs	VP no.	Duration (hrs)		Start Time	Weather conditions
24/11/2021	Winter	JA	5	3		13.00	Showers, Good visibility, SW wind, F3-4
25/11/2021	Winter	BM	2	3		08.30	Dry, Good visibility, NE wind, F2-3
25/11/2021	Winter	BM	2	3		12.30	Dry, Good visibility, NE wind, F2-3
25/11/2021	Winter	JA	3	3		08.40	Dry, Good visibility, NE wind, F2-3
25/11/2021	Winter	JA	3	3		12.45	Dry, Good visibility, NE wind, F2-3
30/11/2021	Winter	JA	3	3		09.30	Drizzle, Mod visibility, SW wind, F1
30/11/2021	Winter	JA	3	3		17.00	Showers, Good visibility, SW wind, F2-3
02/12/2021	Winter	MH	2	3		08.00	Drizzle, Mod visibility, SW wind, F1-2
02/12/2021	Winter	MH	2	3		12.00	Drizzle, Mod visibility, SW wind, F1-2
10/12/2021	Winter	JA	5	3		09.10	Dry, Good visibility, W wind, F3
10/12/2021	Winter	JA	5	3		12.45	Dry, Good visibility, SW wind, F2-3
10/12/2021	Winter	BM	1	3		09.00	Dry, Good visibility, W wind, F3
10/12/2021	Winter	BM	1	3		12.45	Dry, Good visibility, SW wind, F2-3
21/12/2021	Winter	HK	3	3		09:00	Dry, Good visibility, SE wind, F3-4
21/12/2021	Winter	HK	3	3		12:30	Dry, Good visibility, SE wind, F3
30/12/2021	Winter	HK	4	3		08.15	Drizzle, Mod-good vis., SW wind, F4
30/12/2021	Winter	HK	4	3		11.45	Showers, Good visibility, SW wind, F3-4
05/01/2022	Winter	MH	3	3		11.16	Dry, Good visibility, NW wind, F1
05/01/2022	Winter	MH	3	3		14.30	Dry, Good visibility, S wind, F3
20/01/2022	Winter	BM	1	3		08.15	Showers, Good visibility, NE wind, F2
20/01/2022	Winter	BM	5	3		13.00	Dry, Good visibility, NW wind, F3
24/01/2022	Winter	JA	5	3		09.30	Showers, Good visibility, SW wind, F3-4
24/01/2022	Winter	JA	1	3		13.15	Showers, Good visibility, SW wind, F2-3
25/01/2022	Winter	HK	3	3		08:00	Dry, Good visibility, S wind, F2
25/01/2022	Winter	HK	3	3		11:30	Dry, Good visibility, S wind, F2-3
28/01/2022	Winter	HK	4	3		07.55	Drizzle, Mod-good vis, SW wind, F4
28/01/2022	Winter	HK	4	3		11.30	Dry, Good visibility, SW wind, F4
15/02/2022	Winter	BM	5	3		09.00	Showers, Good visibility, SW wind, F3
15/02/2022	Winter	BM	5	3		12.30	Showers, Good visibility, SW wind, F3-4
15/02/2022	Winter	MH	2	3		07.20	Showers, Good vis., SW wind, F3-4
15/02/2022	Winter	MH	2	3		15.30	Showers, Mod-good vis., SW wind, F4
22/02/2022	Winter	HK	3	3		07.05	Drizzle, Good visibility, W wind, F3-4
22/02/2022	Winter	HK	3	3		10:45	Dry, Good visibility, W wind, F3
23/02/2022	Winter	JA	1	3		08.30	Showers, Good visibility, W wind, F3-4
23/02/2022	Winter	JA	1	3		12.45	Dry, Good visibility, W wind, F3
27/02/2022	Winter	HK	4	3		07:15	Showers, Mod visibility, SW wind, F4
27/02/2022	Winter	HK	4	3		10:45	Showers, Mod-good vis., SW wind, F3-4
14/03/2022	Winter	MH	2	3		12.00	Dry, Good visibility, W wind, F4
14/03/2022	Winter	MH	2	3		15.45	Dry, Good visibility, SW wind, F4
15/03/2022	Winter	JA	1	3		07.30	Dry, Good visibility, SW wind, F3

Date	Season	Obs	VP no.	Duration (hrs)		Start Time	Weather conditions
15/03/2022	Winter	JA	1	3		12.00	Dry, Good visibility, SW wind, F3
19/03/2022	Winter	HK	3	3		06.10	Dry, Good visibility, SW wind, F4
19/03/2022	Winter	HK	3	3		09.45	Dry, Good visibility, SW wind, F3-4
24/03/2022	Winter	HK	4	3		05.55	Dry, Good visibility, S wind, F1
24/03/2022	Winter	HK	4	3		09:45	Dry, Good visibility, S wind, F1
27/03/2022	Winter	BM	5	3		08.15	Dry, Good visibility, SW wind, F2
27/03/2022	Winter	BM	5	3		14.00	Dry, Good visibility, SW wind, F3
	Summer no. 2						
08/04/2022	Summer	MH	2	3		08:00	Showers, Good visibility, N wind, F4
08/04/2022	Summer	MH	2	3		12:15	Showers, Good visibility, N wind, F-4
09/04/2022	Summer	JA	1	3		07.30	Dry, Good visibility, W wind, F-3
09/04/2022	Summer	JA	1	3		12.00	Dry, Good visibility, W wind, F-2-3
22/04/2022	Summer	HK	3	3		05:50	Dry, Good visibility, NW wind, F3
22/04/2022	Summer	HK	3	3		09:30	Dry, Good visibility, NW wind, F3
24/04/2022	Summer	BM	5	3		10.00	Dry, Good visibility, SW wind, F-3
24/02/2022	Summer	BM	5	3		15.00	Dry, Good visibility, SW wind, F-3
25/04/2022	Summer	HK	4	3		05.30	Dry, Good visibility, W wind, F1
25/04/2022	Summer	HK	4	3		09.00	Dry, Good visibility, W wind, F1-2
17/05/2022	Summer	JA	1	3		09.45	Dry, Good visibility, SW wind, F-4
17/05/2022	Summer	JA	1	3		13.00	Dry, Good visibility, SW wind, F-3
18/05/2022	Summer	JA	5	3		07.15	Dry, Good visibility, S wind, F-3
18/05/2022	Summer	JA	5	3		11.00	Dry, Good visibility, S wind, F-3
19/05/2022	Summer	MH	2	3		09.55	Showers, Good visibility, S wind, F4
19/05/2022	Summer	MH	2	3		14:10	Dry, Good visibility, S wind, F4
20/05/2022	Summer	DM	4	3		14:00	Showers, Good visibility, W wind, F4
20/05/2022	Summer	DM	4	3		17:30	Dry, Good visibility, SW wind, F4-5
21/05/2022	Summer	DM	3	3		11.00	Dry, Good visibility, S wind, F3-4
21/05/2022	Summer	DM	3	3		14.30	Dry, Good visibility, S wind, F4
03/06/2022	Summer	DM	4	3		13:40	Dry, Good visibility, E wind, F2-3
03/06/2022	Summer	DM	4	3		17:10	Dry, Good visibility, E wind, F1
04/06/2022	Summer	DM	3	3		11:30	Dry, Good visibility, E wind, F3
04/06/2022	Summer	DM	3	3		15:00	Dry, Good visibility, E wind, F2
09/06/2022	Summer	MH	2	3		09.10	Showers, Good vis., SW wind, F4-5
09/06/2022	Summer	MH	2	3		13.40	Showers, Good vis., W wind, F5
15/06/2022	Summer	BM	1	3		07.15	Dry, Good visibility, S wind, F1
15/06/2022	Summer	BM	1	3		12.00	Dry, Good visibility, S wind, F2
22/06/2022	Summer	JA	5	3		10.00	Dry, Good visibility, W wind, F2-3
22/06/2022	Summer	JA	5	3		15.00	Dry, Good visibility, SW wind, F3
07/07/2022	Summer	MH	2	3		06.45	Dry, Good visibility, W wind, F2
07/07/2022	Summer	MH	2	3		10.10	Dry, Good visibility, W wind, F2

Date	Season	Obs	VP no.	Duration (hrs)		Start Time	Weather conditions
10/07/2022	Summer	DM	3	3		13:30	Dry, Good visibility, W wind, F1-2
10/07/2022	Summer	DM	3	3		17:00	Dry, Good visibility, W wind, F1
11/07/2022	Summer	DM	4	3		10:00	Dry, Good visibility, S wind, F3-4
11/07/2022	Summer	DM	4	3		13:30	Dry, Good visibility, S wind, F4+
20/07/2022	Summer	JA	1	3		10.30	Dry, Good visibility, SW wind, F2
20/07/2022	Summer	JA	1	3		15.00	Dry, Good visibility, SW wind, F2
21/07/2022	Summer	JA	5	3		07.00	Dry, Good visibility, S wind, F2
21/07/2022	Summer	JA	5	3		11.00	Dry, Good visibility, S wind, F2
11/08/2022	Summer	DM	3	3		14:00	Dry, Good visibility, N wind, F2-3
11/08/2022	Summer	DM	3	3		17:30	Dry, Good visibility, N wind, F3
12/08/2022	Summer	DM	4	3		11:00	Dry, Good visibility, SSE wind, F1
12/08/2022	Summer	DM	4	3		14:30	Dry, Good visibility, SE wind, F1
13/08/2022	Summer	MH	2	3		08.35	Dry, Good visibility, NW wind, F3
13/08/2022	Summer	MH	2	3		12.20	Dry, Good visibility, NW wind, F3
18/08/2022	Summer	BM	5	3		08.45	Showers, Good visibility, NE wind, F3-4
18/08/2022	Summer	BM	5	3		14.00	Dry, Good visibility, NE wind, F2-3
24/08/2022	Summer	JA	1	3		09.30	Dry, Good visibility, SW wind, F3
24/08/2022	Summer	JA	1	3		13.30	Dry, Good visibility, SW wind, F3
12/09/2022	Summer	JA	5	3		10.00	Showers, Good visibility, W wind, F4
12/09/2022	Summer	JA	5	3		14.30	Dry, Good visibility, W wind, F3
15/09/2022	Summer	MH	2	3		13.00	Dry, Good visibility, NW wind, F3
15/09/2022	Summer	MH	2	3		19.30	Dry, Good visibility, NW wind, F3
17/09/2022	Summer	BM	1	3		11.00	Showers, Good visibility, SW wind, F3-4
17/09/2022	Summer	BM	1	3		16.00	Dry, Good visibility, SW wind, F3
23/09/2022	Summer	DM	3	3		12:30	Dry, Good visibility, NW wind, F4
23/09/2022	Summer	DM	3	3		16:00	Drizzle, Good visibility, NW wind, F4
24/09/2022	Summer	DM	3	3		07:45	Dry, Good visibility, N wind, F4
24/09/2022	Summer	DM	3	3		11:15	Dry, Good visibility, N wind, F3
	Winter no. 2						
10/10/2022	Winter	JA	1	3		09.45	Dry, Good visibility, SW wind, F3
10/10/2022	Winter	JA	1	3		14.30	Dry, Good visibility, SSW wind, F2
11/10/2022	Winter	DM	3	3		07:30	Drizzle, Good visibility, S wind, F1-2
11/10/2022	Winter	DM	3	3		11:00	Drizzle, Mod-good visibility, S, F3-4
12/10/2022	Winter	DM	4	3		08:15	Dry, Good visibility, W wind, F1
12/10/2022	Winter	DM	4	3		11:45	Dry, Good visibility, W wind, F1
13/10/2022	Winter	MH	2	3		07.20	Dry, Good visibility, S wind, F3
13/10/2022	Winter	MH	2	3		11.00	Drizzle, Mod visibility, S wind, F2-3
18/10/2022	Winter	BM	5	3		08.00	Showers, Good visibility, W wind, F3
18/10/2022	Winter	BM	5	3		12.00	Showers, Good visibility, W wind, F3-4
12/11/2022	Winter	JA	1	3		09.00	Drizzle, Mod visibility, S wind, F2

Date	Season	Obs	VP no.	Duration (hrs)		Start Time	Weather conditions
12/11/2022	Winter	JA	5	3		11.45	Dry, Good visibility, S wind, F3
13/11/2022	Winter	JA	1	3		08.15	Showers, Good visibility, SW wind, F3
13/11/2022	Winter	JA	5	3		13.30	Dry, Good visibility, SW wind, F4
22/11/2022	Winter	DM	3	3		10:00	Dry, Good visibility, SE wind, F1
22/11/2022	Winter	DM	3	3		13:30	Dry, Good visibility, SE wind, F1
23/11/2022	Winter	DM	4	3		08:00	Drizzle, Mod-good visibility, SE wind, F3
23/11/2022	Winter	DM	4	3		11:30	Dry, Good visibility, S wind, F4
25/11/2022	Winter	MH	2	3		08.15	Showers, Good visibility, SW wind, F4-5
25/11/2022	Winter	MH	2	3		13.25	Dry, Good visibility, SW wind, F4
09/12/2022	Winter	DM	4	3		10.00	Drizzle, Good visibility, N wind F1
09/12/2022	Winter	DM	4	3		13.30	Drizzle, Good visibility, N wind F1-2
10/12/2022	Winter	DM	3	3		09.00	Dry, Good visibility, N wind F1
10/12/2022	Winter	DM	3	3		12.30	Dry, Good visibility, N wind F2
13/12/2022	Winter	BM	5	3		09.15	Dry, Good visibility, NW wind, F3
13/12/2022	Winter	BM	5	3		13.00	Dry, Good visibility, NW wind, F3
16/12/2022	Winter	JA	1	3		09.30	Dry, Good visibility, W wind, F4
16/12/2022	Winter	JA	1	3		13.30	Dry, Good visibility, W wind, F3
19/12/2022	Winter	MH	2	3		08.30	Showers, Good visibility, S wind, F4
19/12/2022	Winter	MH	2	3		12.20	Showers, Good visibility, S wind, F4
02/01/2023	Winter	MH	2	3		08.15	Dry, Good visibility, S wind, F1
02/01/2023	Winter	MH	2	3		14.10	Dry, Good visibility, S wind, F2
11/01/2023	Winter	JA	1	3		09.00	Dry, Good visibility, W wind, F3-4
11/01/2023	Winter	JA	1	3		12.30	Dry, Good visibility, W wind, F4
12/01/2023	Winter	JA	5	3		08.00	Showers, Good visibility, SW wind, F4
12/01/2023	Winter	JA	5	3		12.00	Showers, Good visibility, SW wind, F4
22/01/2023	Winter	DM	3	3		08.25	Dry, Mod-good visibility, E wind F1
22/01/2023	Winter	DM	3	3		14.10	Dry, Good visibility, S wind F1
23/01/2023	Winter	DM	4	3		08.25	Dry, Poor visibility, SE wind F2-3
23/01/2023	Winter	DM	4	3		12.45	Dry, Good visibility, SE wind F2-3
10/02/2023	Winter	MH	2	3		08.00	Drizzle, Mod. visibility, S wind, F1
10/02/2023	Winter	MH	2	3		13.00	Dry, Good visibility, S wind, F2
15/02/2023	Winter	BM	5	3		09.30	Dry, Good visibility, W wind, F3
15/02/2023	Winter	BM	5	3		14.00	Showers, Good visibility, SW wind, F3
17/02/2023	Winter	DM	4	3		11.30	Dry, Good visibility, SW wind, F2
17/02/2023	Winter	DM	4	1.5		15.00	Drizzle, Mod-good visibility, SW F2
18/02/2023	Winter	DM	4	1.5		16.30	Drizzle, Good visibility, W wind, F4-5
18/02/2023	Winter	DM	3	3		07.50	Drizzle, Good visibility, W wind, F3
18/02/2023	Winter	DM	3	3		11.20	Drizzle, Good visibility, W wind F4
24/02/2023	Winter	JA	1	3		09.45	Dry, Good visibility, S wind, F3
24/02/2023	Winter	JA	1	3		14.00	Dry, Good visibility, S wind, F2

Date	Season	Obs	VP no.	Duration (hrs)		Start Time	Weather conditions
14/03/2023	Winter	MH	2	3		12.15	Showers, Good visibility, NW wind, F4
14/03/2023	Winter	MH	2	3		15.45	Showers, Good visibility, NW wind, F4
19/03/2023	Winter	JA	5	3		10.30	Showers, Good visibility, W wind, F4
19/03/2023	Winter	JA	5	3		15.00	Dry, Good visibility, W wind, F2-3
20/03/2023	Winter	JA	1	3		08.00	Dry, Good visibility, SW wind, F3
20/03/2023	Winter	JA	1	3		12.00	Dry, Good visibility, SW wind, F3
25/03/2023	Winter	DM	3	3		12.30	Dry, Good visibility, W-NW wind, F2
25/03/2023	Winter	DM	3	3		16.00	Dry, Good visibility, NW wind, F1
28/03/2023	Winter	DM	4	3		07.20	Showers, Good visibility, SE F3-4
28/03/2023	Winter	DM	4	3		10.50	Showers, Good visibility, SW F2