



ARCUS

ACKRON WIND FARM

TECHNICAL APPENDIX A8.3: ADDITIONAL  
RAW BASELINE ORNITHOLOGY DATA

MAY 2020





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## 1 INTRODUCTION

This Technical Appendix (TA) includes raw data recorded during 2014-16 and 2018 Baseline Ornithology Surveys, to support the Ecological Impact Assessment (EclA) of Ackron Wind Farm.

It includes the following data:

- Details of all surveys, including weather conditions, recorded during the 2014-16 and 2018 Baseline Ornithology Surveys; and
- Details of target species flights recorded during the 2018 Flight Activity Surveys.

Details of target species flights recorded during the 2014-16 Flight Activity Surveys are included in Technical Appendix A8.1.

## 1.1 Baseline Ornithology Survey Details

### 1.1.1 2014-15 (Year 1)

Details of hourly weather conditions recorded during the 2014-15 (Year 1) Baseline Ornithology Surveys (April 2014 to March 2015 inclusive) are presented in Tables A8.3.1-A8.3.6.

#### 1.1.1.1 Flight Activity Surveys

Details of hourly weather conditions recorded during the 2014-15 Flight Activity Surveys (April 2014 to March 2015 inclusive) are presented in Table A8.3.1.

*Table A8.3.1: Hourly Weather Conditions Recorded during the 2014-15 Flight Activity Surveys*

| Date     | VP | Observer | Survey start time | Survey end time | Hour | Wind speed | Wind direction | Rain | Cloud cover | Cloud height | Visibility | Frost | Snow | Notes |
|----------|----|----------|-------------------|-----------------|------|------------|----------------|------|-------------|--------------|------------|-------|------|-------|
| 18/04/14 | 2  | JB       | 14:20             | 17:20           | 1    | 2          | E              | 0    | 4           | 2            | 2          | 0     | 0    |       |
| 18/04/14 | 2  | JB       | 14:20             | 17:20           | 2    | 2          | E              | 0    | 3           | 2            | 2          | 0     | 0    |       |
| 18/04/14 | 2  | JB       | 14:20             | 17:20           | 3    | 1          | E              | 0    | 4           | 2            | 2          | 0     | 0    |       |
| 18/04/14 | 2  | JB       | 18:30             | 21:30           | 1    | 2          | SE             | 0    | 5           | 2            | 2          | 0     | 0    |       |
| 18/04/14 | 2  | JB       | 18:30             | 21:30           | 2    | 2          | E              | 0    | 5           | 2            | 2          | 0     | 0    |       |
| 18/04/14 | 2  | JB       | 18:30             | 21:30           | 3    | 3          | SE             | 0    | 2           | 2            | 2          | 0     | 0    |       |
| 19/04/14 | 3  | JB       | 13:00             | 16:00           | 1    | 1          | SE             | 0    | 3           | 2            | 2          | 0     | 0    |       |
| 19/04/14 | 3  | JB       | 13:00             | 16:00           | 2    | 2          | SE             | 0    | 3           | 2            | 2          | 0     | 0    |       |
| 19/04/14 | 3  | JB       | 13:00             | 16:00           | 3    | 2          | SE             | 0    | 3           | 2            | 2          | 0     | 0    |       |
| 19/04/14 | 3  | JB       | 18:10             | 21:10           | 1    | 0          | -              | 0    | 2           | 2            | 2          | 0     | 0    |       |
| 19/04/14 | 3  | JB       | 18:10             | 21:10           | 2    | 1          | SE             | 0    | 2           | 2            | 2          | 0     | 0    |       |
| 19/04/14 | 3  | JB       | 18:10             | 21:10           | 3    | 2          | SE             | 0    | 4           | 2            | 2          | 0     | 0    |       |
| 20/04/14 | 1  | JB       | 14:15             | 17:15           | 1    | 1          | W              | 0    | 2           | 2            | 2          | 0     | 0    |       |
| 20/04/14 | 1  | JB       | 14:15             | 17:15           | 2    | 2          | NE             | 0    | 2           | 2            | 2          | 0     | 0    |       |



| Date     | VP | Observer | Survey start time | Survey end time | Hour | Wind speed | Wind direction | Rain | Cloud cover | Cloud height | Visibility | Frost | Snow | Notes                              |
|----------|----|----------|-------------------|-----------------|------|------------|----------------|------|-------------|--------------|------------|-------|------|------------------------------------|
| 20/04/14 | 1  | JB       | 14:15             | 17:15           | 3    | 2          | NE             | 0    | 0           | 0            | 2          | 0     | 0    |                                    |
| 20/04/14 | 1  | JB       | 18:15             | 21:15           | 1    | 2          | E              | 0    | 0           | 0            | 2          | 0     | 0    |                                    |
| 20/04/14 | 1  | JB       | 18:15             | 21:15           | 2    | 2          | E              | 0    | 0           | 0            | 2          | 0     | 0    |                                    |
| 20/04/14 | 1  | JB       | 18:15             | 21:15           | 3    | 3          | E              | 0    | 0           | 0            | 2          | 0     | 0    |                                    |
| 08/05/14 | 1  | TGr      | 18:50             | 21:50           | 1    | 3          | SE             | 2    | 7           | 2            | 2          | 0     | 0    | 10° C; very light prolonged shower |
| 08/05/14 | 1  | TGr      | 18:50             | 21:50           | 2    | 3          | SE             | 0    | 7           | 2            | 2          | 0     | 0    | 9° C                               |
| 08/05/14 | 1  | TGr      | 18:50             | 21:50           | 3    | 3          | SE             | 0    | 7           | 2            | 2          | 0     | 0    | 8° C                               |
| 09/05/14 | 3  | TGr      | 14:45             | 17:45           | 1    | 3          | NE             | 0    | 2           | 2            | 2          | 0     | 0    | 13° C; bright, warm                |
| 09/05/14 | 3  | TGr      | 14:45             | 17:45           | 2    | 3          | NE             | 0    | 2           | 2            | 2          | 0     | 0    | 12° C                              |
| 09/05/14 | 3  | TGr      | 14:45             | 17:45           | 3    | 3          | NE             | 0    | 4           | 2            | 2          | 0     | 0    | 12° C                              |
| 09/05/14 | 2  | TGr      | 18:55             | 21:55           | 1    | 2          | NE             | 0    | 7           | 2            | 2          | 0     | 0    | 11° C                              |
| 09/05/14 | 2  | TGr      | 18:55             | 21:55           | 2    | 2          | S              | 0    | 7           | 2            | 2          | 0     | 0    | 10° C                              |
| 09/05/14 | 2  | TGr      | 18:55             | 21:55           | 3    | 1          | S              | 0    | 7           | 2            | 2          | 0     | 0    | 9° C                               |
| 10/05/14 | 1  | JB       | 14:50             | 17:50           | 1    | 4          | E              | 0    | 3           | 2            | 2          | 0     | 0    | Bright and breezy conditions       |
| 10/05/14 | 1  | JB       | 14:50             | 17:50           | 2    | 4          | E              | 0    | 4           | 2            | 2          | 0     | 0    |                                    |
| 10/05/14 | 1  | JB       | 14:50             | 17:50           | 3    | 4          | E              | 0    | 4           | 2            | 2          | 0     | 0    |                                    |
| 23/05/14 | 1  | JB       | 04:25             | 07:25           | 1    | 3          | N              | 4    | 8           | 1            | 2          | 0     | 0    |                                    |
| 23/05/14 | 1  | JB       | 04:25             | 07:25           | 2    | 3          | N              | 4    | 8           | 1            | 2          | 0     | 0    |                                    |
| 23/05/14 | 1  | JB       | 04:25             | 07:25           | 3    | 3          | N              | 4    | 8           | 1            | 1          | 0     | 0    |                                    |
| 23/05/14 | 2  | JB       | 17:25             | 19:10           | 1    | 3          | NE             | 0    | 8           | 1            | 1          | 0     | 0    |                                    |
| 23/05/14 | 2  | JB       | 17:25             | 19:10           | 2    | 3          | NE             | 0    | 8           | 0            | 0          | 0     | 0    |                                    |

| Date     | VP | Observer | Survey start time | Survey end time | Hour | Wind speed | Wind direction | Rain | Cloud cover | Cloud height | Visibility | Frost | Snow | Notes  |
|----------|----|----------|-------------------|-----------------|------|------------|----------------|------|-------------|--------------|------------|-------|------|--|
| 25/05/14 | 3  | JB       | 04:15             | 07:15           | 1    | 2          | E              | 0    | 8           | 1            | 1          | 0     | 0    |  |
| 25/05/14 | 3  | JB       | 04:15             | 07:15           | 2    | 2          | E              | 0    | 8           | 2            | 1          | 0     | 0    |  |
| 25/05/14 | 3  | JB       | 04:15             | 07:15           | 3    | 1          | E              | 0    | 8           | 1            | 1          | 0     | 0    |  |
| 26/05/14 | 3  | TJS      | 20:00             | 23:00           | 1    | 3          | SE             | 1    | 6           | 2            | 2          | 0     | 0    | 11°C   |
| 26/05/14 | 3  | TJS      | 20:00             | 23:00           | 2    | 3          | SE             | 1    | 7           | 2            | 2          | 0     | 0    | 10°C   |
| 26/05/14 | 3  | TJS      | 20:00             | 23:00           | 3    | 3          | SE             | 0    | 6           | 2            | 2          | 0     | 0    | 9°C  |
| 26/05/14 | 2  | TJS      | 15:20             | 18:20           | 1    | 3          | E              | 0    | 4           | 2            | 2          | 0     | 0    | 15°C   |
| 26/05/14 | 2  | TJS      | 15:20             | 18:20           | 2    | 3          | E              | 0    | 4           | 2            | 2          | 0     | 0    |  |
| 26/05/14 | 2  | TJS      | 15:20             | 18:20           | 3    | 3          | E              | 0    | 4           | 2            | 2          | 0     | 0    | Moderate rain from 18:00;<br>12°C                      |
| 27/05/14 | 1  | TJS      | 11:00             | 14:00           | 1    | 3          | SE             | 0    | 6           | 2            | 2          | 0     | 0    | 15°C   |
| 27/05/14 | 1  | TJS      | 11:00             | 14:00           | 2    | 3          | SE             | 0    | 6           | 2            | 2          | 0     | 0    |  |
| 27/05/14 | 1  | TJS      | 11:00             | 14:00           | 3    | 2          | SE             | 0    | 7           | 2            | 2          | 0     | 0    | 14°C   |
| 28/05/14 | 2  | TJS      | 03:45             | 06:45           | 1    | 1          | E              | 0    | 8           | 2            | 1          | 0     | 0    | 10°C   |
| 28/05/14 | 2  | TJS      | 03:45             | 06:45           | 2    | 1          | E              | 0    | 8           | 2            | 1          | 0     | 0    | 10°C; occasional spot of rain                          |
| 28/05/14 | 2  | TJS      | 03:45             | 06:45           | 3    | 1          | E              | 0    | 8           | 2            | 1          | 0     | 0    | Light rain in the last 10 mins                         |
| 30/05/14 | 2  | TJS      | 13:05             | 14:35           | 1    | 2          | N              | 0    | 6           | 2            | 2          | 0     | 0    | 14°C; weather changing with the wind swinging to the N |
| 30/05/14 | 2  | TJS      | 13:05             | 14:35           | 2    | 1          | N              | 0    | 7           | 2            | 2          | 0     | 0    | 14°C; mostly calm                                      |
| 30/05/14 | 3  | TJS      | 09:20             | 12:20           | 1    | 1          | SE             | 0    | 2           | 2            | 2          | 0     | 0    | 13°C   |
| 30/05/14 | 3  | TJS      | 09:20             | 12:20           | 2    | 1          | SE             | 0    | 2           | 2            | 2          | 0     | 0    | 14°C   |

| Date     | VP | Observer | Survey start time | Survey end time | Hour | Wind speed | Wind direction | Rain | Cloud cover | Cloud height | Visibility | Frost | Snow | Notes   |
|----------|----|----------|-------------------|-----------------|------|------------|----------------|------|-------------|--------------|------------|-------|------|---|
| 30/05/14 | 3  | TJS      | 09:20             | 12:20           | 3    | 2          | NE             | 0    | 4           | 2            | 2          | 0     | 0    | 14°C; wind swinging N to E and back                 |
| 08/06/14 | 1  | JB       | 11:00             | 14:00           | 1    | 3          | E              | 3    | 6           | 2            | 2          | 0     | 0    |   |
| 08/06/14 | 1  | JB       | 11:00             | 14:00           | 2    | 3          | E              | 4    | 8           | 2            | 2          | 0     | 0    |   |
| 08/06/14 | 1  | JB       | 11:00             | 14:00           | 3    | 3          | E              | 1    | 6           | 2            | 2          | 0     | 0    | Bright at times when no drizzle                     |
| 09/06/14 | 2  | DPB      | 19:00             | 22:00           | 1    | 2          | E              | 1    | 8           | 2            | 2          | 0     | 0    |   |
| 09/06/14 | 2  | DPB      | 19:00             | 22:00           | 2    | 2          | E              | 1    | 8           | 2            | 2          | 0     | 0    |   |
| 09/06/14 | 2  | DPB      | 19:00             | 22:00           | 3    | 2          | E              | 1    | 8           | 2            | 2          | 0     | 0    |   |
| 10/06/14 | 3  | DPB      | 11:45             | 14:45           | 1    | 2          | SW             | 0    | 6           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 3                         |
| 10/06/14 | 3  | DPB      | 11:45             | 14:45           | 2    | 2          | SW             | 0    | 4           | 2            | 2          | 0     | 0    |   |
| 10/06/14 | 3  | DPB      | 11:45             | 14:45           | 3    | 3          | SW             | 0    | 4           | 2            | 2          | 0     | 0    |   |
| 15/06/14 | 2  | TGr      | 14:55             | 17:55           | 1    | 3          | NW             | 0    | 8           | 2            | 2          | 0     | 0    | 15°C; bright and warm                               |
| 15/06/14 | 2  | TGr      | 14:55             | 17:55           | 2    | 3          | NW             | 0    | 6           | 2            | 2          | 0     | 0    | 15°C  |
| 15/06/14 | 2  | TGr      | 14:55             | 17:55           | 3    | 2          | N              | 0    | 8           | 2            | 2          | 0     | 0    | 14°C  |
| 16/06/14 | 1  | TJS      | 08:40             | 11:40           | 1    | 1          | W              | 0    | 7           | 2            | 2          | 0     | 0    | 14°C  |
| 16/06/14 | 1  | TJS      | 08:40             | 11:40           | 2    | 1          | W              | 0    | 8           | 2            | 2          | 0     | 0    | 14°C; wind occasionally gusting to Beaufort Force 2 |
| 16/06/14 | 1  | TJS      | 08:40             | 11:40           | 3    | 1          | W              | 0    | 8           | 2            | 2          | 0     | 0    | 15°C  |
| 27/06/14 | 1  | JB       | 19:30             | 22:30           | 1    | 3          | NE             | 0    | 8           | 2            | 2          | 0     | 0    |   |
| 27/06/14 | 1  | JB       | 19:30             | 22:30           | 2    | 3          | NE             | 1    | 8           | 2            | 2          | 0     | 0    |   |
| 27/06/14 | 1  | JB       | 19:30             | 22:30           | 3    | 2          | NE             | 0    | 7           | 2            | 2          | 0     | 0    |   |
| 27/06/14 | 3  | JB       | 15:25             | 18:25           | 1    | 3          | NE             | 0    | 8           | 2            | 2          | 0     | 0    |   |
| 27/06/14 | 3  | JB       | 15:25             | 18:25           | 2    | 3          | NE             | 0    | 8           | 2            | 2          | 0     | 0    |   |

| Date     | VP | Observer | Survey start time | Survey end time | Hour | Wind speed | Wind direction | Rain | Cloud cover | Cloud height | Visibility | Frost | Snow | Notes  |
|----------|----|----------|-------------------|-----------------|------|------------|----------------|------|-------------|--------------|------------|-------|------|--|
| 27/06/14 | 3  | JB       | 15:25             | 18:25           | 3    | 2          | NE             | 0    | 8           | 2            | 2          | 0     | 0    |  |
| 28/06/14 | 2  | TJS      | 09:20             | 12:20           | 1    | 2          | NE             | 0    | 6           | 2            | 2          | 0     | 0    | 14°C   |
| 28/06/14 | 2  | TJS      | 09:20             | 12:20           | 2    | 2          | NE             | 0    | 6           | 2            | 2          | 0     | 0    |  |
| 28/06/14 | 2  | TJS      | 09:20             | 12:20           | 3    | 2          | NE             | 0    | 8           | 2            | 2          | 0     | 0    | 15°C   |
| 28/06/14 | 3  | TJS      | 04:15             | 07:15           | 1    | 2          | NE             | 0    | 8           | 2            | 2          | 0     | 0    | 10°C; gloomy   |
| 28/06/14 | 3  | TJS      | 04:15             | 07:15           | 2    | 2          | NE             | 0    | 8           | 2            | 2          | 0     | 0    |  |
| 28/06/14 | 3  | TJS      | 04:15             | 07:15           | 3    | 2          | NE             | 0    | 8           | 2            | 2          | 0     | 0    | 11°C   |
| 29/06/14 | 2  | TGr      | 04:00             | 07:00           | 1    | 3          | N              | 0    | 8           | 2            | 2          | 0     | 0    | 9°C; overcast and gusting to Beaufort Force 4            |
| 29/06/14 | 2  | TGr      | 04:00             | 07:00           | 2    | 3          | N              | 0    | 8           | 2            | 2          | 0     | 0    | 9°C; gusting to Beaufort Force 4                         |
| 29/06/14 | 2  | TGr      | 04:00             | 07:00           | 3    | 3          | N              | 0    | 8           | 2            | 2          | 0     | 0    | 9°C; gusting to Beaufort Force 4                         |
| 30/06/14 | 1  | CR       | 04:05             | 07:05           | 1    | 1          | S              | 0    | 7           | 2            | 2          | 0     | 0    | Dull   |
| 30/06/14 | 1  | CR       | 04:05             | 07:05           | 2    | 1          | S              | 0    | 8           | 2            | 2          | 0     | 0    | Dull   |
| 30/06/14 | 1  | CR       | 04:05             | 07:05           | 3    | 0          | -              | 0    | 8           | 2            | 2          | 0     | 0    |  |
| 30/06/14 | 3  | JB       | 19:30             | 22:30           | 1    | 1          | NW             | 0    | 8           | 2            | 2          | 0     | 0    |  |
| 30/06/14 | 3  | JB       | 19:30             | 22:30           | 2    | 1          | NW             | 0    | 8           | 2            | 2          | 0     | 0    |  |
| 30/06/14 | 3  | JB       | 19:30             | 22:30           | 3    | 0          | -              | 0    | 8           | 2            | 2          | 0     | 0    |  |
| 02/07/14 | 2  | JB       | 19:30             | 22:30           | 1    | 3          | NW             | 0    | 6           | 2            | 2          | 0     | 0    | Bright and sunny at times, with cloud cover falling to 4 |
| 02/07/14 | 2  | JB       | 19:30             | 22:30           | 2    | 2          | NW             | 0    | 4           | 2            | 2          | 0     | 0    |  |
| 02/07/14 | 2  | JB       | 19:30             | 22:30           | 3    | 2          | NW             | 0    | 4           | 2            | 2          | 0     | 0    |  |
| 03/07/14 | 1  | JB       | 10:15             | 13:15           | 1    | 2          | N              | 0    | 5           | 2            | 2          | 0     | 0    |  |

| Date     | VP | Observer | Survey start time | Survey end time | Hour | Wind speed | Wind direction | Rain | Cloud cover | Cloud height | Visibility | Frost | Snow | Notes                       |
|----------|----|----------|-------------------|-----------------|------|------------|----------------|------|-------------|--------------|------------|-------|------|-----------------------------|
| 03/07/14 | 1  | JB       | 10:15             | 13:15           | 2    | 2          | N              | 0    | 5           | 2            | 2          | 0     | 0    |                             |
| 03/07/14 | 1  | JB       | 10:15             | 13:15           | 3    | 2          | N              | 0    | 5           | 2            | 2          | 0     | 0    |                             |
| 03/07/14 | 3  | DPB      | 13:40             | 16:40           | 1    | 4          | SW             | 0    | 5           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 5 |
| 03/07/14 | 3  | DPB      | 13:40             | 16:40           | 2    | 4          | SW             | 0    | 6           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 5 |
| 03/07/14 | 3  | DPB      | 13:40             | 16:40           | 3    | 4          | SW             | 0    | 8           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 5 |
| 09/07/14 | 2  | JB       | 17:00             | 20:00           | 1    | 2          | NW             | 0    | 5           | 2            | 2          | 0     | 0    |                             |
| 09/07/14 | 2  | JB       | 17:00             | 20:00           | 2    | 2          | NW             | 0    | 8           | 2            | 2          | 0     | 0    |                             |
| 09/07/14 | 2  | JB       | 17:00             | 20:00           | 3    | 2          | NW             | 0    | 5           | 2            | 2          | 0     | 0    |                             |
| 13/07/14 | 4  | MSc      | 10:05             | 13:05           | 1    | 2          | S              | 0    | 5           | 2            | 2          | 0     | 0    | 17°C                        |
| 13/07/14 | 4  | MSc      | 10:05             | 13:05           | 2    | 2          | S              | 0    | 6           | 2            | 2          | 0     | 0    | 18°C                        |
| 13/07/14 | 4  | MSc      | 10:05             | 13:05           | 3    | 3          | S              | 0    | 8           | 2            | 2          | 0     | 0    | 18°C                        |
| 18/07/14 | 1  | CR       | 04:20             | 07:20           | 1    | 3          | SE             | 0    | 3           | 2            | 2          | 0     | 0    |                             |
| 18/07/14 | 1  | CR       | 04:20             | 07:20           | 2    | 4          | SE             | 0    | 2           | 2            | 2          | 0     | 0    |                             |
| 18/07/14 | 1  | CR       | 04:20             | 07:20           | 3    | 4          | SE             | 0    | 2           | 2            | 2          | 0     | 0    |                             |
| 18/07/14 | 3  | CR       | 08:25             | 11:25           | 1    | 5          | SE             | 0    | 2           | 2            | 2          | 0     | 0    |                             |
| 18/07/14 | 3  | CR       | 08:25             | 11:25           | 2    | 5          | SE             | 0    | 1           | 2            | 2          | 0     | 0    |                             |
| 18/07/14 | 3  | CR       | 08:25             | 11:25           | 3    | 5          | SE             | 0    | 1           | 2            | 2          | 0     | 0    |                             |
| 21/07/14 | 1  | JB       | 13:50             | 16:50           | 1    | 2          | N              | 0    | 7           | 2            | 2          | 0     | 0    |                             |
| 21/07/14 | 1  | JB       | 13:50             | 16:50           | 2    | 2          | N              | 0    | 6           | 2            | 2          | 0     | 0    |                             |
| 21/07/14 | 1  | JB       | 13:50             | 16:50           | 3    | 2          | N              | 0    | 3           | 2            | 2          | 0     | 0    |                             |
| 22/07/14 | 1  | JB       | 19:05             | 22:05           | 1    | 4          | SE             | 0    | 1           | 2            | 2          | 0     | 0    |                             |
| 22/07/14 | 1  | JB       | 19:05             | 22:05           | 2    | 4          | SE             | 0    | 1           | 2            | 2          | 0     | 0    |                             |
| 22/07/14 | 1  | JB       | 19:05             | 22:05           | 3    | 4          | SE             | 0    | 1           | 2            | 2          | 0     | 0    |                             |

| Date     | VP | Observer | Survey start time | Survey end time | Hour | Wind speed | Wind direction | Rain | Cloud cover | Cloud height | Visibility | Frost | Snow | Notes                                |
|----------|----|----------|-------------------|-----------------|------|------------|----------------|------|-------------|--------------|------------|-------|------|--------------------------------------|
| 23/07/14 | 2  | TGr      | 04:45             | 07:45           | 1    | 0          | -              | 0    | 1           | 2            | 2          | 0     | 0    | 11°C                                 |
| 23/07/14 | 2  | TGr      | 04:45             | 07:45           | 2    | 1          | W              | 0    | 1           | 2            | 2          | 0     | 0    | 12°C                                 |
| 23/07/14 | 2  | TGr      | 04:45             | 07:45           | 3    | 1          | SE             | 0    | 1           | 2            | 2          | 0     | 0    | 13°C                                 |
| 25/07/14 | 2  | JB       | 14:00             | 17:00           | 1    | 3          | E              | 0    | 2           | 2            | 2          | 0     | 0    |                                      |
| 25/07/14 | 2  | JB       | 14:00             | 17:00           | 2    | 3          | E              | 0    | 2           | 2            | 2          | 0     | 0    |                                      |
| 25/07/14 | 2  | JB       | 14:00             | 17:00           | 3    | 3          | E              | 0    | 1           | 2            | 2          | 0     | 0    |                                      |
| 25/07/14 | 3  | JB       | 19:00             | 22:00           | 1    | 2          | E              | 0    | 2           | 2            | 2          | 0     | 0    |                                      |
| 25/07/14 | 3  | JB       | 19:00             | 22:00           | 2    | 2          | E              | 0    | 2           | 2            | 2          | 0     | 0    |                                      |
| 25/07/14 | 3  | JB       | 19:00             | 22:00           | 3    | 1          | SE             | 0    | 4           | 2            | 2          | 0     | 0    |                                      |
| 27/07/14 | 3  | JB       | 04:50             | 07:50           | 1    | 0          | -              | 0    | 3           | 2            | 2          | 0     | 0    |                                      |
| 27/07/14 | 3  | JB       | 04:50             | 07:50           | 2    | 1          | W              | 0    | 1           | 2            | 2          | 0     | 0    |                                      |
| 27/07/14 | 3  | JB       | 04:50             | 07:50           | 3    | 2          | SW             | 0    | 2           | 2            | 2          | 0     | 0    |                                      |
| 08/08/14 | 2  | JB       | 11:05             | 14:05           | 1    | 3          | S              | 0    | 6           | 2            | 2          | 0     | 0    |                                      |
| 08/08/14 | 2  | JB       | 11:05             | 14:05           | 2    | 4          | S              | 0    | 6           | 2            | 2          | 0     | 0    |                                      |
| 08/08/14 | 2  | JB       | 11:05             | 14:05           | 3    | 4          | S              | 0    | 6           | 2            | 2          | 0     | 0    |                                      |
| 13/08/14 | 1  | TGr      | 14:15             | 17:15           | 1    | 3          | NW             | 0    | 8           | 1            | 2          | 0     | 0    | 14°C; cloud 300+ m.                  |
| 13/08/14 | 1  | TGr      | 14:15             | 17:15           | 2    | 4          | NW             | 0    | 8           | 1            | 2          | 0     | 0    |                                      |
| 13/08/14 | 1  | TGr      | 14:15             | 17:15           | 3    | 4          | NW             | 0    | 8           | 1            | 2          | 0     | 0    |                                      |
| 15/08/14 | 3  | TGr      | 09:50             | 12:50           | 1    | 3          | NW             | 0    | 8           | 2            | 2          | 0     | 0    | 12°C                                 |
| 15/08/14 | 3  | TGr      | 09:50             | 12:50           | 2    | 3          | NW             | 0    | 7           | 2            | 2          | 0     | 0    |                                      |
| 15/08/14 | 3  | TGr      | 09:50             | 12:50           | 3    | 3          | NW             | 0    | 6           | 2            | 2          | 0     | 0    | 13°C                                 |
| 21/08/14 | 2  | TGr      | 08:05             | 11:05           | 1    | 0          | -              | 0    | 8           | 2            | 2          | 0     | 0    | 10°C' cool, calm and mostly overcast |

| Date     | VP | Observer | Survey start time | Survey end time | Hour | Wind speed | Wind direction | Rain | Cloud cover | Cloud height | Visibility | Frost | Snow | Notes                       |
|----------|----|----------|-------------------|-----------------|------|------------|----------------|------|-------------|--------------|------------|-------|------|-----------------------------|
| 21/08/14 | 2  | TGr      | 08:05             | 11:05           | 2    | 1          | NE             | 1    | 8           | 2            | 2          | 0     | 0    | Very light rain             |
| 21/08/14 | 2  | TGr      | 08:05             | 11:05           | 3    | 2          | NE             | 1    | 8           | 2            | 2          | 0     | 0    | 11°C                        |
| 21/08/14 | 1  | JB       | 16:10             | 19:10           | 1    | 3          | NE             | 0    | 4           | 2            | 2          | 0     | 0    |                             |
| 21/08/14 | 1  | JB       | 16:10             | 19:10           | 2    | 3          | NE             | 0    | 4           | 2            | 2          | 0     | 0    |                             |
| 21/08/14 | 1  | JB       | 16:10             | 19:10           | 3    | 4          | NE             | 0    | 6           | 2            | 2          | 0     | 0    |                             |
| 27/08/14 | 3  | DPB      | 09:35             | 12:35           | 1    | 3          | SE             | 0    | 3           | 2            | 2          | 0     | 0    |                             |
| 27/08/14 | 3  | DPB      | 09:35             | 12:35           | 2    | 3          | SE             | 0    | 6           | 2            | 2          | 0     | 0    |                             |
| 27/08/14 | 3  | DPB      | 09:35             | 12:35           | 3    | 3          | SE             | 0    | 7           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 4 |
| 08/09/14 | 3  | DPB      | 13:45             | 16:45           | 1    | 3          | NW             | 0    | 6           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 4 |
| 08/09/14 | 3  | DPB      | 13:45             | 16:45           | 2    | 3          | NW             | 0    | 7           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 4 |
| 08/09/14 | 3  | DPB      | 13:45             | 16:45           | 3    | 3          | NW             | 0    | 7           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 4 |
| 08/09/14 | 3  | DPB      | 17:30             | 20:30           | 1    | 3          | NW             | 0    | 7           | 2            | 2          | 0     | 0    |                             |
| 08/09/14 | 3  | DPB      | 17:30             | 20:30           | 2    | 3          | NW             | 0    | 7           | 2            | 2          | 0     | 0    |                             |
| 08/09/14 | 3  | DPB      | 17:30             | 20:30           | 3    | 3          | NW             | 0    | 7           | 2            | 2          | 0     | 0    |                             |
| 09/09/14 | 1  | DPB      | 17:30             | 20:30           | 1    | 1          | N              | 0    | 8           | 1            | 2          | 0     | 0    |                             |
| 09/09/14 | 1  | DPB      | 17:30             | 20:30           | 2    | 1          | N              | 1    | 8           | 1            | 2          | 0     | 0    |                             |
| 09/09/14 | 1  | DPB      | 17:30             | 20:30           | 3    | 1          | N              | 1    | 8           | 1            | 2          | 0     | 0    |                             |
| 09/09/14 | 1  | DPB      | 13:50             | 16:50           | 1    | 1          | SW             | 0    | 8           | 1            | 2          | 0     | 0    |                             |
| 09/09/14 | 1  | DPB      | 13:50             | 16:50           | 2    | 1          | SW             | 0    | 8           | 1            | 2          | 0     | 0    |                             |
| 09/09/14 | 1  | DPB      | 13:50             | 16:50           | 3    | 1          | SW             | 0    | 8           | 1            | 2          | 0     | 0    |                             |
| 10/09/14 | 2  | DPB      | 12:45             | 15:45           | 1    | 1          | N              | 0    | 1           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 2 |
| 10/09/14 | 2  | DPB      | 12:45             | 15:45           | 2    | 1          | N              | 0    | 3           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 2 |
| 10/09/14 | 2  | DPB      | 12:45             | 15:45           | 3    | 1          | N              | 0    | 1           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 2 |

| Date     | VP | Observer | Survey start time | Survey end time | Hour | Wind speed | Wind direction | Rain | Cloud cover | Cloud height | Visibility | Frost | Snow | Notes                       |
|----------|----|----------|-------------------|-----------------|------|------------|----------------|------|-------------|--------------|------------|-------|------|-----------------------------|
| 18/09/14 | 2  | DPB      | 06:10             | 09:10           | 1    | 2          | E              | 0    | 8           | 1            | 2          | 0     | 0    |                             |
| 18/09/14 | 2  | DPB      | 06:10             | 09:10           | 2    | 2          | E              | 0    | 8           | 1            | 2          | 0     | 0    |                             |
| 18/09/14 | 2  | DPB      | 06:10             | 09:10           | 3    | 2          | E              | 0    | 8           | 1            | 2          | 0     | 0    |                             |
| 06/10/14 | 2  | DPB      | 12:20             | 15:20           | 1    | 5          | SE             | 0    | 8           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 7 |
| 06/10/14 | 2  | DPB      | 12:20             | 15:20           | 2    | 5          | SE             | 0    | 8           | 2            | 2          | 0     | 0    |                             |
| 06/10/14 | 2  | DPB      | 12:20             | 15:20           | 3    | 5          | SE             | 0    | 8           | 2            | 2          | 0     | 0    |                             |
| 06/10/14 | 2  | DPB      | 16:00             | 19:00           | 1    | 4          | SE             | 0    | 8           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 5 |
| 06/10/14 | 2  | DPB      | 16:00             | 19:00           | 2    | 4          | SE             | 0    | 7           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 5 |
| 06/10/14 | 2  | DPB      | 16:00             | 19:00           | 3    | 4          | SE             | 0    | 7           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 5 |
| 08/10/14 | 1  | DPB      | 07:10             | 10:10           | 1    | 3          | NE             | 1    | 8           | 1            | 1          | 0     | 0    | Gusting to Beaufort Force 4 |
| 08/10/14 | 1  | DPB      | 07:10             | 10:10           | 2    | 3          | NE             | 0    | 8           | 1            | 1          | 0     | 0    |                             |
| 08/10/14 | 1  | DPB      | 07:10             | 10:10           | 3    | 3          | NE             | 0    | 8           | 1            | 2          | 0     | 0    |                             |
| 08/10/14 | 1  | DPB      | 10:50             | 13:50           | 1    | 2          | NE             | 0    | 8           | 1            | 2          | 0     | 0    | Gusting to Beaufort Force 5 |
| 08/10/14 | 1  | DPB      | 10:50             | 13:50           | 2    | 2          | NE             | 1    | 8           | 1            | 1          | 0     | 0    | Gusting to Beaufort Force 5 |
| 08/10/14 | 1  | DPB      | 10:50             | 13:50           | 3    | 2          | NE             | 1    | 8           | 1            | 1          | 0     | 0    | Gusting to Beaufort Force 5 |
| 24/10/14 | 3  | YB       | 08:10             | 11:10           | 1    | 3          | S              | 0    | 1           | 2            | 2          | 0     | 0    |                             |
| 24/10/14 | 3  | YB       | 08:10             | 11:10           | 2    | 4          | S              | 0    | 4           | 2            | 2          | 0     | 0    |                             |
| 24/10/14 | 3  | YB       | 08:10             | 11:10           | 3    | 4          | S              | 0    | 5           | 2            | 2          | 0     | 0    |                             |
| 24/10/14 | 3  | YB       | 11:40             | 14:40           | 1    | 4          | SW             | 0    | 6           | 2            | 2          | 0     | 0    |                             |
| 24/10/14 | 3  | YB       | 11:40             | 14:40           | 2    | 4          | SW             | 0    | 4           | 2            | 2          | 0     | 0    |                             |
| 24/10/14 | 3  | YB       | 11:40             | 14:40           | 3    | 4          | SW             | 0    | 6           | 2            | 2          | 0     | 0    |                             |
| 19/11/14 | 1  | DPB      | 09:40             | 12:40           | 1    | 4          | SE             | 0    | 7           | 2            | 2          | 0     | 0    |                             |
| 19/11/14 | 1  | DPB      | 09:40             | 12:40           | 2    | 4          | SE             | 0    | 7           | 2            | 2          | 0     | 0    |                             |



| Date     | VP | Observer | Survey start time | Survey end time | Hour | Wind speed | Wind direction | Rain | Cloud cover | Cloud height | Visibility | Frost | Snow | Notes                       |
|----------|----|----------|-------------------|-----------------|------|------------|----------------|------|-------------|--------------|------------|-------|------|-----------------------------|
| 19/11/14 | 1  | DPB      | 09:40             | 12:40           | 3    | 4          | SE             | 0    | 7           | 2            | 2          | 0     | 0    |                             |
| 19/11/14 | 1  | DPB      | 13:30             | 16:30           | 1    | 4          | SE             | 2    | 7           | 2            | 2          | 0     | 0    |                             |
| 19/11/14 | 1  | DPB      | 13:30             | 16:30           | 2    | 4          | SE             | 2    | 8           | 2            | 2          | 0     | 0    |                             |
| 19/11/14 | 1  | DPB      | 13:30             | 16:30           | 3    | 4          | SE             | 2    | 7           | 2            | 2          | 0     | 0    |                             |
| 20/11/14 | 3  | DPB      | 09:50             | 12:50           | 1    | 3          | SE             | 0    | 4           | 2            | 2          | 0     | 0    |                             |
| 20/11/14 | 3  | DPB      | 09:50             | 12:50           | 2    | 3          | SE             | 0    | 5           | 2            | 2          | 0     | 0    |                             |
| 20/11/14 | 3  | DPB      | 09:50             | 12:50           | 3    | 3          | SE             | 0    | 6           | 2            | 2          | 0     | 0    |                             |
| 20/11/14 | 3  | DPB      | 13:30             | 16:30           | 1    | 3          | SE             | 0    | 2           | 2            | 2          | 0     | 0    |                             |
| 20/11/14 | 3  | DPB      | 13:30             | 16:30           | 2    | 3          | SE             | 0    | 1           | 2            | 2          | 0     | 0    |                             |
| 20/11/14 | 3  | DPB      | 13:30             | 16:30           | 3    | 3          | SE             | 0    | 1           | 2            | 2          | 0     | 0    |                             |
| 21/11/14 | 2  | DPB      | 12:05             | 15:05           | 1    | 4          | SE             | 0    | 3           | 2            | 2          | 0     | 0    |                             |
| 21/11/14 | 2  | DPB      | 12:05             | 15:05           | 2    | 4          | SE             | 0    | 5           | 2            | 2          | 0     | 0    |                             |
| 21/11/14 | 2  | DPB      | 12:05             | 15:05           | 3    | 4          | SE             | 0    | 5           | 2            | 2          | 0     | 0    |                             |
| 21/11/14 | 2  | DPB      | 07:40             | 10:40           | 1    | 2          | SE             | 0    | 7           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 3 |
| 21/11/14 | 2  | DPB      | 07:40             | 10:40           | 2    | 4          | SE             | 0    | 2           | 2            | 2          | 0     | 0    |                             |
| 21/11/14 | 2  | DPB      | 07:40             | 10:40           | 3    | 4          | SE             | 0    | 1           | 2            | 2          | 0     | 0    |                             |
| 07/01/15 | 1  | DPB      | 13:10             | 16:10           | 1    | 3          | S              | 0    | 8           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 4 |
| 07/01/15 | 1  | DPB      | 13:10             | 16:10           | 2    | 3          | S              | 2    | 8           | 2            | 2          | 0     | 0    | Gusting 4                   |
| 07/01/15 | 1  | DPB      | 13:10             | 16:10           | 3    | 3          | S              | 2    | 8           | 2            | 2          | 0     | 0    | Gusting 4                   |
| 08/01/15 | 2  | DPB      | 12:25             | 15:25           | 1    | 4          | W              | 2    | 7           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 5 |
| 08/01/15 | 2  | DPB      | 12:25             | 15:25           | 2    | 4          | W              | 2    | 7           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 5 |
| 08/01/15 | 2  | DPB      | 12:25             | 15:25           | 3    | 4          | W              | 0    | 4           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 5 |
| 08/01/15 | 2  | DPB      | 08:10             | 11:10           | 1    | 3          | W              | 0    | 2           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 4 |

| Date     | VP | Observer | Survey start time | Survey end time | Hour | Wind speed | Wind direction | Rain | Cloud cover | Cloud height | Visibility | Frost | Snow | Notes                       |
|----------|----|----------|-------------------|-----------------|------|------------|----------------|------|-------------|--------------|------------|-------|------|-----------------------------|
| 08/01/15 | 2  | DPB      | 08:10             | 11:10           | 2    | 3          | W              | 0    | 4           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 4 |
| 08/01/15 | 2  | DPB      | 08:10             | 11:10           | 3    | 3          | W              | 2    | 7           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 4 |
| 09/01/15 | 3  | DPB      | 12:55             | 15:55           | 1    | 4          | W              | 0    | 7           | 2            | 2          | 0     | 0    |                             |
| 09/01/15 | 3  | DPB      | 12:55             | 15:55           | 2    | 4          | W              | 0    | 7           | 2            | 2          | 0     | 0    |                             |
| 09/01/15 | 3  | DPB      | 12:55             | 15:55           | 3    | 4          | W              | 0    | 6           | 2            | 2          | 0     | 0    |                             |
| 14/01/15 | 1  | DPB      | 12:50             | 15:50           | 1    | 1          | SE             | 0    | 4           | 2            | 2          | 2     | 0    |                             |
| 14/01/15 | 1  | DPB      | 12:50             | 15:50           | 2    | 1          | SE             | 0    | 4           | 2            | 2          | 2     | 0    |                             |
| 14/01/15 | 1  | DPB      | 12:50             | 15:50           | 3    | 1          | SE             | 0    | 7           | 2            | 2          | 0     | 0    |                             |
| 16/01/15 | 1  | DPB      | 10:20             | 13:20           | 1    | 4          | W              | 0    | 8           | 2            | 2          | 0     | 1    |                             |
| 16/01/15 | 1  | DPB      | 10:20             | 13:20           | 2    | 4          | W              | 2    | 8           | 2            | 2          | 0     | 1    | Sleet/show showers          |
| 16/01/15 | 1  | DPB      | 10:20             | 13:20           | 3    | 4          | W              | 2    | 8           | 2            | 2          | 0     | 1    | Sleet/show showers          |
| 23/01/15 | 3  | DPB      | 08:10             | 11:10           | 1    | 4          | SW             | 0    | 8           | 2            | 2          | 0     | 0    |                             |
| 23/01/15 | 3  | DPB      | 08:10             | 11:10           | 2    | 4          | SW             | 0    | 8           | 2            | 2          | 0     | 0    |                             |
| 23/01/15 | 3  | DPB      | 08:10             | 11:10           | 3    | 4          | SW             | 0    | 8           | 2            | 2          | 0     | 0    |                             |
| 23/01/15 | 1  | DPB      | 12:15             | 15:15           | 1    | 4          | SW             | 2    | 8           | 2            | 2          | 0     | 0    |                             |
| 23/01/15 | 1  | DPB      | 12:15             | 15:15           | 2    | 4          | SW             | 0    | 8           | 2            | 2          | 0     | 0    |                             |
| 23/01/15 | 1  | DPB      | 12:15             | 15:15           | 3    | 4          | SW             | 0    | 8           | 2            | 2          | 0     | 0    |                             |
| 27/01/15 | 2  | JB       | 09:35             | 12:35           | 1    | 3          | NW             | 0    | 7           | 2            | 2          | 0     | 0    |                             |
| 27/01/15 | 2  | JB       | 09:35             | 12:35           | 2    | 3          | NW             | 0    | 5           | 2            | 2          | 0     | 0    | 5 mins of light snow.       |
| 27/01/15 | 2  | JB       | 09:35             | 12:35           | 3    | 4          | NW             | 0    | 7           | 2            | 2          | 0     | 0    |                             |
| 27/01/15 | 3  | JB       | 13:45             | 16:45           | 1    | 4          | NW             | 0    | 7           | 2            | 2          | 0     | 0    |                             |
| 27/01/15 | 3  | JB       | 13:45             | 16:45           | 2    | 4          | NW             | 0    | 7           | 2            | 2          | 0     | 0    |                             |
| 27/01/15 | 3  | JB       | 13:45             | 16:45           | 3    | 4          | NW             | 0    | 7           | 2            | 2          | 0     | 0    |                             |

| Date     | VP | Observer | Survey start time | Survey end time | Hour | Wind speed | Wind direction | Rain | Cloud cover | Cloud height | Visibility | Frost | Snow | Notes  |
|----------|----|----------|-------------------|-----------------|------|------------|----------------|------|-------------|--------------|------------|-------|------|--|
| 28/01/15 | 3  | JB       | 09:50             | 12:50           | 1    | 4          | NW             | 2    | 7           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 5                    |
| 28/01/15 | 3  | JB       | 09:50             | 12:50           | 2    | 4          | NW             | 3    | 8           | 1            | 1          | 0     | 1    | Visibility ok within viewshed                  |
| 28/01/15 | 3  | JB       | 09:50             | 12:50           | 3    | 4          | NW             | 2    | 5           | 2            | 2          | 0     | 0    | Light to heavy snow showers at times           |
| 28/01/15 | 2  | JB       | 14:00             | 17:00           | 1    | 4          | NW             | 2    | 8           | 2            | 2          | 0     | 1    |  |
| 28/01/15 | 2  | JB       | 14:00             | 17:00           | 2    | 4          | W              | 2    | 8           | 2            | 2          | 0     | 1    |  |
| 28/01/15 | 2  | JB       | 14:00             | 17:00           | 3    | 4          | W              | 2    | 8           | 2            | 2          | 0     | 1    | Gusting to Beaufort Force 5; brief hail shower |
| 30/01/15 | 1  | DPB      | 08:05             | 11:05           | 1    | 4          | NW             | 2    | 7           | 1            | 1          | 0     | 0    | Gusting to Beaufort Force 5; rain/sleet        |
| 30/01/15 | 1  | DPB      | 08:05             | 11:05           | 2    | 4          | NW             | 2    | 7           | 1            | 1          | 0     | 0    | Gusting to Beaufort Force 5; rain/sleet        |
| 30/01/15 | 1  | DPB      | 08:05             | 11:05           | 3    | 4          | N              | 2    | 8           | 1            | 1          | 0     | 0    | Gusting to Beaufort Force 5; rain/sleet        |
| 11/02/15 | 3  | DPB      | 11:05             | 14:05           | 1    | 3          | S              | 0    | 4           | 2            | 2          | 0     | 0    |  |
| 11/02/15 | 3  | DPB      | 11:05             | 14:05           | 2    | 3          | SW             | 0    | 4           | 2            | 2          | 0     | 0    |  |
| 11/02/15 | 3  | DPB      | 11:05             | 14:05           | 3    | 3          | SW             | 0    | 5           | 2            | 2          | 0     | 0    |  |
| 11/02/15 | 2  | DPB      | 07:15             | 10:15           | 1    | 1          | SW             | 0    | 1           | 2            | 2          | 1     | 0    |  |
| 11/02/15 | 2  | DPB      | 07:15             | 10:15           | 2    | 1          | SW             | 0    | 3           | 2            | 2          | 1     | 0    |  |
| 11/02/15 | 2  | DPB      | 07:15             | 10:15           | 3    | 3          | S              | 0    | 1           | 2            | 2          | 1     | 0    |  |
| 12/02/15 | 2  | DPB      | 11:30             | 14:30           | 1    | 2          | S              | 0    | 8           | 2            | 2          | 0     | 0    |  |
| 12/02/15 | 2  | DPB      | 11:30             | 14:30           | 2    | 2          | S              | 0    | 7           | 2            | 2          | 0     | 0    |  |
| 12/02/15 | 2  | DPB      | 11:30             | 14:30           | 3    | 2          | S              | 0    | 7           | 2            | 2          | 0     | 0    |  |
| 12/02/15 | 3  | DPB      | 07:35             | 10:35           | 1    | 2          | S              | 1    | 8           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 3                    |

| Date     | VP | Observer | Survey start time | Survey end time | Hour | Wind speed | Wind direction | Rain | Cloud cover | Cloud height | Visibility | Frost | Snow | Notes                       |
|----------|----|----------|-------------------|-----------------|------|------------|----------------|------|-------------|--------------|------------|-------|------|-----------------------------|
| 12/02/15 | 3  | DPB      | 07:35             | 10:35           | 2    | 2          | S              | 1    | 8           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 3 |
| 12/02/15 | 3  | DPB      | 07:35             | 10:35           | 3    | 2          | S              | 0    | 8           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 3 |
| 13/02/15 | 1  | DPB      | 08:35             | 11:35           | 1    | 3          | S              | 0    | 8           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 4 |
| 13/02/15 | 1  | DPB      | 08:35             | 11:35           | 2    | 3          | S              | 0    | 8           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 4 |
| 13/02/15 | 1  | DPB      | 08:35             | 11:35           | 3    | 3          | S              | 0    | 7           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 4 |
| 16/02/15 | 1  | DPB      | 14:40             | 17:40           | 1    | 3          | W              | 2    | 8           | 2            | 2          | 0     | 0    |                             |
| 16/02/15 | 1  | DPB      | 14:40             | 17:40           | 2    | 3          | W              | 2    | 8           | 2            | 2          | 0     | 0    |                             |
| 16/02/15 | 1  | DPB      | 14:40             | 17:40           | 3    | 3          | W              | 0    | 7           | 2            | 2          | 0     | 0    |                             |
| 09/03/15 | 1  | DPB      | 14:10             | 17:10           | 1    | 5          | S              | 0    | 3           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 6 |
| 09/03/15 | 1  | DPB      | 14:10             | 17:10           | 2    | 5          | S              | 0    | 4           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 6 |
| 09/03/15 | 1  | DPB      | 14:10             | 17:10           | 3    | 5          | S              | 0    | 3           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 6 |
| 10/03/15 | 1  | DPB      | 09:05             | 12:05           | 1    | 3          | W              | 0    | 7           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 4 |
| 10/03/15 | 1  | DPB      | 09:05             | 12:05           | 2    | 3          | W              | 0    | 4           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 4 |
| 10/03/15 | 1  | DPB      | 09:05             | 12:05           | 3    | 3          | W              | 0    | 4           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 4 |
| 12/03/15 | 2  | JB       | 11:00             | 14:00           | 1    | 4          | SW             | 0    | 8           | 2            | 2          | 0     | 0    |                             |
| 12/03/15 | 2  | JB       | 11:00             | 14:00           | 2    | 4          | SW             | 1    | 8           | 2            | 2          | 0     | 0    |                             |
| 12/03/15 | 2  | JB       | 11:00             | 14:00           | 3    | 4          | SW             | 2    | 6           | 2            | 2          | 0     | 0    |                             |
| 13/03/15 | 3  | JB       | 10:05             | 13:15           | 1    | 2          | SW             | 0    | 7           | 2            | 2          | 0     | 0    |                             |
| 13/03/15 | 3  | JB       | 10:05             | 13:15           | 2    | 2          | SW             | 0    | 6           | 2            | 2          | 0     | 0    |                             |
| 13/03/15 | 3  | JB       | 10:05             | 13:15           | 3    | 2          | SW             | 0    | 6           | 2            | 2          | 0     | 0    |                             |
| 13/03/15 | 2  | JB       | 15:30             | 18:30           | 1    | 2          | S              | 0    | 3           | 2            | 2          | 0     | 0    |                             |
| 13/03/15 | 2  | JB       | 15:30             | 18:30           | 2    | 2          | S              | 0    | 3           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 3 |
| 13/03/15 | 2  | JB       | 15:30             | 18:30           | 3    | 2          | S              | 0    | 3           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 3 |

| Date     | VP | Observer | Survey start time | Survey end time | Hour | Wind speed | Wind direction | Rain | Cloud cover | Cloud height | Visibility | Frost | Snow | Notes                       |
|----------|----|----------|-------------------|-----------------|------|------------|----------------|------|-------------|--------------|------------|-------|------|-----------------------------|
| 14/03/15 | 3  | JB       | 15:45             | 18:45           | 1    | 3          | SW             | 0    | 1           | 2            | 2          | 0     | 0    |                             |
| 14/03/15 | 3  | JB       | 15:45             | 18:45           | 2    | 2          | SW             | 0    | 2           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 3 |
| 14/03/15 | 3  | JB       | 15:45             | 18:45           | 3    | 3          | SW             | 0    | 0           |              | 2          | 0     | 0    | Gusting to Beaufort Force 4 |

Key:

- Observer: CR = Chris Rodger; DPB = David Butterfield; JB = John Bell; MSc = Martin Scott; TGr = Torcuil Grant; TJS = Tim Sykes; YB = Yvonne Brown
- Wind speed: according to Beaufort Scale
- Wind direction: according to 16/point compass
- Rain: 0 = None; 1 = Drizzle/Mist; 2 = Light showers; 3 = Heavy showers; 4 = Light rain; 5 = Heavy rain
- Cloud cover: in eighths of sky (oktas)
- Cloud height: 0 = <150 m; 1 = 150/500 m; 2 = >500 m
- Visibility: 0 = Poor (<1 km); 1 = Moderate (1/2 km); 2 = Good (>2 km)
- Frost: 0 = None; 1 = Ground frost; 2 = All day frost
- Snow: 0 = None; 1 = On site; 2 = On high ground

### 1.1.1.2 Moorland Breeding Bird Survey

Details of hourly weather conditions recorded during the 2014 Moorland Breeding Bird Survey (April to July inclusive) are presented in Table A8.3.2.

Table A8.3.2: Hourly Weather Conditions Recorded during the 2014 Moorland Breeding Bird Surveys

| Date     | Observer | Survey start time | Survey end time | Hour | Wind speed | Wind direction | Rain | Cloud cover | Cloud height | Visibility | Frost | Snow | Notes |
|----------|----------|-------------------|-----------------|------|------------|----------------|------|-------------|--------------|------------|-------|------|-------|
| 19/04/14 | JB       | 12:10             | 17:30           | 1    | 1          | SE             | 0    | 4           | 2            | 2          | 0     | 0    |       |
| 19/04/14 | JB       | 12:10             | 17:30           | 2    | 1          | SE             | 0    | 2           | 2            | 2          | 0     | 0    |       |
| 19/04/14 | JB       | 12:10             | 17:30           | 3    | 1          | SE             | 0    | 2           | 2            | 2          | 0     | 0    |       |

| Date     | Observer | Survey start time | Survey end time | Hour | Wind speed | Wind direction | Rain | Cloud cover | Cloud height | Visibility | Frost | Snow | Notes                          |
|----------|----------|-------------------|-----------------|------|------------|----------------|------|-------------|--------------|------------|-------|------|--------------------------------|
| 21/04/14 | JB       | 14:20             | 18:00           | 1    | 3          | E              | 0    | 6           | 2            | 2          | 0     | 0    |                                |
| 21/04/14 | JB       | 14:20             | 18:00           | 2    | 2          | E              | 0    | 5           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 3    |
| 21/04/14 | JB       | 14:20             | 18:00           | 3    | 3          | E              | 0    | 4           | 2            | 2          | 0     | 0    |                                |
| 21/04/14 | JB       | 14:20             | 18:00           | 4    | 3          | E              | 0    | 3           | 2            | 2          | 0     | 0    |                                |
| 21/04/14 | TGr      | 14:10             | 18:20           | 1    | 4          | E              | 0    | 4           | 2            | 2          | 0     | 0    | Cloud very thin and high; 12°C |
| 21/04/14 | TGr      | 14:10             | 18:20           | 2    | 4          | E              | 0    | 4           | 2            | 2          | 0     | 0    |                                |
| 21/04/14 | TGr      | 14:10             | 18:20           | 3    | 3          | E              | 0    | 4           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 4    |
| 21/04/14 | TGr      | 14:10             | 18:20           | 4    | 3          | E              | 0    | 3           | 2            | 2          | 0     | 0    |                                |
| 21/04/14 | TGr      | 14:10             | 18:20           | 5    | 2          | E              | 0    | 3           | 2            | 2          | 0     | 0    |                                |
| 22/04/14 | JB       | 07:30             | 09:20           | 1    | 2          | E              | 0    | 8           | 2            | 2          | 0     | 0    | Very brief drizzle             |
| 22/04/14 | JB       | 07:30             | 09:20           | 2    | 2          | E              | 0    | 6           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 3    |
| 22/04/14 | TGr      | 07:45             | 09:20           | 1    | 3          | E              | 0    | 8           | 2            | 2          | 0     | 0    | Good survey conditions         |
| 22/04/14 | TGr      | 07:45             | 09:20           | 2    | 3          | E              | 0    | 8           | 2            | 2          | 0     | 0    |                                |
| 22/04/14 | TGr      | 07:45             | 09:20           | 3    | 3          | E              | 0    | 7           | 2            | 2          | 0     | 0    |                                |
| 12/05/14 | TGr      | 08:40             | 15:05           | 1    | 1          | N              | 0    | 1           | 2            | 2          | 0     | 0    | 10° C; bright and sunny        |
| 12/05/14 | TGr      | 08:40             | 15:05           | 2    | 2          | N              | 0    | 1           | 2            | 2          | 0     | 0    | 11° C                          |
| 12/05/14 | TGr      | 08:40             | 15:05           | 3    | 3          | N              | 0    | 2           | 2            | 2          | 0     | 0    | 12° C                          |
| 12/05/14 | TGr      | 08:40             | 15:05           | 4    | 2          | N              | 0    | 2           | 2            | 2          | 0     | 0    |                                |
| 12/05/14 | TGr      | 08:40             | 15:05           | 5    | 2          | N              | 0    | 3           | 2            | 2          | 0     | 0    |                                |
| 12/05/14 | TGr      | 08:40             | 15:05           | 6    | 2          | N              | 0    | 2           | 2            | 2          | 0     | 0    | 13° C                          |
| 12/05/14 | TGr      | 08:40             | 15:05           | 7    | 3          | N              | 0    | 2           | 2            | 2          | 0     | 0    |                                |
| 12/05/14 | JB       | 08:30             | 15:16           | 1    | 2          | NE             | 0    | 2           | 2            | 2          | 0     | 0    | Sunny                          |
| 12/05/14 | JB       | 08:30             | 15:16           | 2    | 2          | NE             | 0    | 2           | 2            | 2          | 0     | 0    |                                |

| Date     | Observer | Survey start time | Survey end time | Hour | Wind speed | Wind direction | Rain | Cloud cover | Cloud height | Visibility | Frost | Snow | Notes                       |
|----------|----------|-------------------|-----------------|------|------------|----------------|------|-------------|--------------|------------|-------|------|-----------------------------|
| 12/05/14 | JB       | 08:30             | 15:16           | 3    | 2          | NE             | 0    | 2           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 3 |
| 12/05/14 | JB       | 08:30             | 15:16           | 4    | 3          | NE             | 0    | 2           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 2 |
| 12/05/14 | JB       | 08:30             | 15:16           | 5    | 3          | NE             | 0    | 3           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 2 |
| 12/05/14 | JB       | 08:30             | 15:16           | 6    | 3          | NE             | 0    | 3           | 2            | 2          | 0     | 0    |                             |
| 12/05/14 | JB       | 08:30             | 15:16           | 7    | 3          | NE             | 0    | 3           | 2            | 2          | 0     | 0    |                             |
| 16/06/14 | TGr      | 07:45             | 09:25           | 1    | 3          | NW             | 0    | 7           | 2            | 2          | 0     | 0    | 14°C                        |
| 16/06/14 | TGr      | 07:45             | 09:25           | 2    | 2          | NW             | 0    | 6           | 2            | 2          | 0     | 0    | 15°C                        |
| 16/06/14 | TGr      | 12:10             | 16:40           | 1    | 3          | NW             | 0    | 8           | 2            | 2          | 0     | 0    | 15°C                        |
| 16/06/14 | TGr      | 12:10             | 16:40           | 2    | 3          | NW             | 0    | 8           | 2            | 2          | 0     | 0    |                             |
| 16/06/14 | TGr      | 12:10             | 16:40           | 3    | 3          | NW             | 1    | 8           | 2            | 2          | 0     | 0    |                             |
| 16/06/14 | TGr      | 12:10             | 16:40           | 4    | 3          | NW             | 0    | 8           | 2            | 2          | 0     | 0    |                             |
| 16/06/14 | TGr      | 12:10             | 16:40           | 5    | 3          | NW             | 0    | 8           | 2            | 2          | 0     | 0    | 14°C                        |
| 17/06/14 | JB       | 10:00             | 15:45           | 1    | 2          | NW             | 1    | 8           | 2            | 2          | 0     | 0    |                             |
| 17/06/14 | JB       | 10:00             | 15:45           | 2    | 2          | NW             | 0    | 8           | 2            | 2          | 0     | 0    |                             |
| 17/06/14 | JB       | 10:00             | 15:45           | 3    | 3          | NW             | 0    | 6           | 2            | 2          | 0     | 0    |                             |
| 17/06/14 | JB       | 10:00             | 15:45           | 4    | 3          | NW             | 0    | 6           | 2            | 2          | 0     | 0    |                             |
| 17/06/14 | JB       | 10:00             | 15:45           | 5    | 2          | NW             | 2    | 8           | 2            | 2          | 0     | 0    |                             |
| 17/06/14 | JB       | 10:00             | 15:45           | 6    | 2          | NW             | 2    | 8           | 0            | 0          | 0     | 0    |                             |
| 17/07/14 | TGr      | 11:35             | 17:20           | 1    | 3          | W              | 0    | 6           | 2            | 2          | 0     | 0    | 14°C                        |
| 17/07/14 | TGr      | 11:35             | 17:20           | 2    | 3          | W              | 0    | 5           | 2            | 2          | 0     | 0    | 16°C                        |
| 17/07/14 | TGr      | 11:35             | 17:20           | 3    | 3          | W              | 0    | 5           | 2            | 2          | 0     | 0    | 18°C                        |
| 17/07/14 | TGr      | 11:35             | 17:20           | 4    | 3          | W              | 0    | 4           | 2            | 2          | 0     | 0    | 18°C                        |
| 17/07/14 | TGr      | 11:35             | 17:20           | 5    | 2          | NW             | 0    | 2           | 2            | 2          | 0     | 0    | 18°C                        |

| Date   | Observer | Survey start time | Survey end time | Hour | Wind speed | Wind direction | Rain | Cloud cover | Cloud height | Visibility | Frost | Snow | Notes                              |
|--|----------|-------------------|-----------------|------|------------|----------------|------|-------------|--------------|------------|-------|------|------------------------------------|
| 17/07/14   | TGr      | 11:35             | 17:20           | 6    | 2          | NW             | 0    | 2           | 2            | 2          | 0     | 0    | 18°C                               |
| 17/07/14   | CR       | 07:00             | 09:00           | 1    | 4          | W              | 1    | 8           | 1            | 1          | 0     | 0    | Poor conditions at start (drizzle) |
| 17/07/14   | CR       | 07:00             | 09:00           | 2    | 4          | W              | 0    | 8           | 1            | 2          | 0     | 0    |                                    |
| 17/07/14   | CR       | 10:00             | 16:25           | 1    | 4          | W              | 0    | 7           | 1            | 2          | 0     | 0    |                                    |
| 17/07/14   | CR       | 10:00             | 16:25           | 2    | 4          | NW             | 0    | 4           | 2            | 2          | 0     | 0    |                                    |
| 17/07/14   | CR       | 10:00             | 16:25           | 3    | 4          | NW             | 0    | 3           | 2            | 2          | 0     | 0    |                                    |
| 17/07/14   | CR       | 10:00             | 16:25           | 4    | 4          | NW             | 0    | 4           | 2            | 2          | 0     | 0    |                                    |
| 17/07/14   | CR       | 10:00             | 16:25           | 5    | 3          | NW             | 0    | 3           | 2            | 2          | 0     | 0    |                                    |
| 17/07/14   | CR       | 10:00             | 16:25           | 6    | 3          | NW             | 0    | 3           | 2            | 2          | 0     | 0    |                                    |
| 17/07/14   | CR       | 10:00             | 16:25           | 7    | 3          | NW             | 0    | 3           | 2            | 2          | 0     | 0    |                                    |
| Key: <ul style="list-style-type: none"> <li>• Observer: CR = Chris Rodger; JB = John Bell; TGr = Torcuil Grant</li> <li>• Wind speed: according to Beaufort Scale</li> <li>• Wind direction: according to 16-point compass</li> <li>• Rain: 0 = None; 1 = Drizzle/Mist; 2 = Light showers; 3 = Heavy showers; 4 = Light rain; 5 = Heavy rain</li> <li>• Cloud cover: in eighths of sky (oktas)</li> <li>• Cloud height: 0 = &lt;150 m; 1 = 150-500 m; 2 = &gt;500 m</li> <li>• Visibility: 0 = Poor (&lt;1 km); 1 = Moderate (1-2 km); 2 = Good (&gt;2 km)</li> <li>• Frost: 0 = None; 1 = Ground frost; 2 = All day frost</li> <li>• Snow: 0 = None; 1 = On site; 2 = On high ground</li> </ul> |          |                   |                 |      |            |                |      |             |              |            |       |      |                                    |



1.1.1.4 Breeding Raptor Surveys

Details of hourly weather conditions recorded during the 2014 Breeding Raptor Surveys (April to August inclusive) are presented in Table A8.3.3.

Table A8.3.3: Hourly Weather Conditions Recorded during the 2014 Breeding Raptor Surveys

| Date     | Observer | Survey start time | Survey end time | Hour | Wind speed | Wind direction | Rain | Cloud cover | Cloud height | Visibility | Frost | Snow | Notes                             |
|----------|----------|-------------------|-----------------|------|------------|----------------|------|-------------|--------------|------------|-------|------|-----------------------------------|
| 06/04/14 | TGr      | 14:00             | 18:00           | 1    | 5          | S              | 0    | 8           | 2            | 2          | 0     | 0    | 10°C                              |
| 06/04/14 | TGr      | 14:00             | 18:00           | 2    | 5          | S              | 0    | 8           | 2            | 2          | 0     | 0    | 10°C                              |
| 06/04/14 | TGr      | 14:00             | 18:00           | 3    | 5          | S              | 0    | 7           | 2            | 2          | 0     | 0    | 12°C; gusting to Beaufort Force 7 |
| 06/04/14 | TGr      | 14:00             | 18:00           | 4    | 6          | S              | 3    | 8           | 2            | 2          | 0     | 0    | 8°C                               |
| 06/04/14 | TGr      | 14:00             | 18:00           | 5    | 5          | S              | 0    | 3           | 2            | 2          | 0     | 0    | 10°C                              |
| 06/04/14 | JB       | 14:00             | 18:15           | 1    | 4          | SE             | 0    | 6           | 2            | 2          | 0     | 0    |                                   |
| 06/04/14 | JB       | 14:00             | 18:15           | 2    | 3          | SE             | 0    | 8           | 2            | 2          | 0     | 0    |                                   |
| 06/04/14 | JB       | 14:00             | 18:15           | 3    | 4          | SE             | 3    | 8           | 2            | 2          | 0     | 0    |                                   |
| 06/04/14 | JB       | 14:00             | 18:15           | 4    | 3          | SE             | 0    | 6           | 2            | 2          | 0     | 0    |                                   |
| 06/04/14 | JB       | 14:00             | 18:15           | 5    | 4          | SE             | 0    | 6           | 2            | 2          | 0     | 0    |                                   |
| 07/04/14 | TGr      | 11:45             | 17:00           | 1    | 2          | S              | 0    | 7           | 2            | 2          | 0     | 0    | 10°C                              |
| 07/04/14 | TGr      | 11:45             | 17:00           | 2    | 2          | S              | 0    | 7           | 2            | 2          | 0     | 0    | 10°C                              |
| 07/04/14 | TGr      | 11:45             | 17:00           | 3    | 3          | S              | 0    | 6           | 2            | 2          | 0     | 0    | 12°C                              |
| 07/04/14 | TGr      | 11:45             | 17:00           | 4    | 3          | NW             | 2    | 7           | 2            | 2          | 0     | 0    | 12°C                              |
| 07/04/14 | TGr      | 11:45             | 17:00           | 5    | 3          | NW             | 0    | 8           | 2            | 2          | 0     | 0    | 12°C                              |
| 07/04/14 | TGr      | 11:45             | 17:00           | 6    | 3          | NW             | 2    | 8           | 2            | 2          | 0     | 0    | 10°C                              |
| 07/04/14 | JB       | 11:45             | 17:15           | 1    | 2          | S              | 0    | 7           | 2            | 2          | 0     | 0    |                                   |
| 07/04/14 | JB       | 11:45             | 17:15           | 2    | 2          | S              | 0    | 6           | 2            | 2          | 0     | 0    |                                   |
| 07/04/14 | JB       | 11:45             | 17:15           | 3    | 1          | SW             | 0    | 8           | 2            | 2          | 0     | 0    |                                   |

| Date     | Observer | Survey start time | Survey end time | Hour | Wind speed | Wind direction | Rain | Cloud cover | Cloud height | Visibility | Frost | Snow | Notes                           |
|----------|----------|-------------------|-----------------|------|------------|----------------|------|-------------|--------------|------------|-------|------|---------------------------------|
| 07/04/14 | JB       | 11:45             | 17:15           | 4    | 1          | SW             | 0    | 8           | 2            | 2          | 0     | 0    |                                 |
| 07/04/14 | JB       | 11:45             | 17:15           | 5    | 2          | SW             | 0    | 8           | 2            | 2          | 0     | 0    |                                 |
| 07/04/14 | JB       | 11:45             | 17:15           | 6    | 2          | SW             | 4    | 8           | 2            | 2          | 0     | 0    |                                 |
| 24/05/14 | TGr      | 12:55             | 18:10           | 1    | 3          | NW             | 0    | 5           | 2            | 2          | 0     | 0    | 12°C                            |
| 24/05/14 | TGr      | 12:55             | 18:10           | 2    | 2          | N              | 0    | 5           | 2            | 2          | 0     | 0    |                                 |
| 24/05/14 | TGr      | 12:55             | 18:10           | 3    | 2          | N              | 0    | 7           | 2            | 2          | 0     | 0    |                                 |
| 24/05/14 | TGr      | 12:55             | 18:10           | 4    | 2          | NE             | 0    | 7           | 2            | 2          | 0     | 0    |                                 |
| 24/05/14 | TGr      | 12:55             | 18:10           | 5    | 2          | NE             | 0    | 7           | 2            | 2          | 0     | 0    | 11°C                            |
| 24/05/14 | TGr      | 12:55             | 18:10           | 6    | 1          | NE             | 0    | 7           | 2            | 2          | 0     | 0    |                                 |
| 24/05/14 | JB       | 13:00             | 18:15           | 1    | 2          | NE             | 0    | 5           | 2            | 2          | 0     | 0    |                                 |
| 24/05/14 | JB       | 13:00             | 18:15           | 2    | 2          | NE             | 0    | 5           | 2            | 2          | 0     | 0    |                                 |
| 24/05/14 | JB       | 13:00             | 18:15           | 3    | 3          | NE             | 0    | 6           | 2            | 2          | 0     | 0    |                                 |
| 24/05/14 | JB       | 13:00             | 18:15           | 4    | 3          | NE             | 0    | 7           | 2            | 2          | 0     | 0    |                                 |
| 24/05/14 | JB       | 13:00             | 18:15           | 5    | 2          | NE             | 0    | 8           | 2            | 2          | 0     | 0    |                                 |
| 24/05/14 | JB       | 13:00             | 18:15           | 6    | 2          | NE             | 0    | 8           | 2            | 2          | 0     | 0    |                                 |
| 25/05/14 | TGr      | 14:40             | 21:05           | 1    | 2          | E              | 0    | 8           | 2            | 2          | 0     | 0    | 10°C; damp and heavily overcast |
| 25/05/14 | TGr      | 14:40             | 21:05           | 2    | 2          | E              | 0    | 8           | 2            | 2          | 0     | 0    |                                 |
| 25/05/14 | TGr      | 14:40             | 21:05           | 3    | 2          | E              | 0    | 8           | 2            | 2          | 0     | 0    |                                 |
| 25/05/14 | TGr      | 14:40             | 21:05           | 4    | 3          | E              | 0    | 8           | 2            | 2          | 0     | 0    | 9°C                             |
| 25/05/14 | TGr      | 14:40             | 21:05           | 5    | 3          | E              | 0    | 8           | 2            | 2          | 0     | 0    |                                 |
| 25/05/14 | TGr      | 14:40             | 21:05           | 6    | 3          | E              | 0    | 8           | 2            | 2          | 0     | 0    |                                 |
| 25/05/14 | TGr      | 14:40             | 21:05           | 7    | 1          | E              | 0    | 8           | 2            | 2          | 0     | 0    |                                 |

| Date     | Observer | Survey start time | Survey end time | Hour | Wind speed | Wind direction | Rain | Cloud cover | Cloud height | Visibility | Frost | Snow | Notes   |
|----------|----------|-------------------|-----------------|------|------------|----------------|------|-------------|--------------|------------|-------|------|---|
| 12/06/14 | JB       | 07:00             | 13:30           | 1    | 3          | W              | 0    | 7           | 2            | 2          | 0     | 0    |   |
| 12/06/14 | JB       | 07:00             | 13:30           | 2    | 3          | W              | 0    | 8           | 2            | 2          | 0     | 0    |   |
| 12/06/14 | JB       | 07:00             | 13:30           | 3    | 4          | W              | 0    | 8           | 2            | 2          | 0     | 0    |   |
| 12/06/14 | JB       | 07:00             | 13:30           | 4    | 4          | W              | 0    | 8           | 2            | 2          | 0     | 0    |   |
| 12/06/14 | JB       | 07:00             | 13:30           | 5    | 4          | W              | 0    | 8           | 2            | 2          | 0     | 0    |   |
| 12/06/14 | JB       | 07:00             | 13:30           | 6    | 4          | W              | 1    | 8           | 2            | 2          | 0     | 0    |   |
| 12/06/14 | JB       | 07:00             | 13:30           | 7    | 4          | W              | 3    | 8           | 2            | 2          | 2     | 0    | Stopped survey as rain increased and visibility in danger of dropping |
| 12/06/14 | TGr      | 07:00             | 13:40           | 1    | 4          | NW             | 0    | 8           | 2            | 2          | 0     | 0    | 13°C  |
| 12/06/14 | TGr      | 07:00             | 13:40           | 2    | 3          | NW             | 0    | 7           | 2            | 2          | 0     | 0    | 14°C  |
| 12/06/14 | TGr      | 07:00             | 13:40           | 3    | 3          | NW             | 0    | 7           | 2            | 2          | 0     | 0    | 14°C  |
| 12/06/14 | TGr      | 07:00             | 13:40           | 4    | 3          | NW             | 0    | 7           | 2            | 2          | 0     | 0    | 14°C  |
| 12/06/14 | TGr      | 07:00             | 13:40           | 5    | 3          | NW             | 0    | 7           | 2            | 2          | 0     | 0    | 14°C  |
| 12/06/14 | TGr      | 07:00             | 13:40           | 6    | 3          | NW             | 0    | 8           | 2            | 2          | 0     | 0    | 14°C  |
| 12/06/14 | TGr      | 07:00             | 13:40           | 7    | 3          | NW             | 0    | 8           | 2            | 2          | 0     | 0    | 14°C  |
| 14/06/14 | TGr      | 20:15             | 22:25           | 1    | 3          | NW             | 0    | 8           | 2            | 2          | 0     | 0    | 13°C  |
| 14/06/14 | TGr      | 20:15             | 22:25           | 2    | 3          | NW             | 0    | 8           | 1            | 2          | 0     | 0    | 11°C; fog beginning to drift in                                       |
| 10/07/14 | TGr      | 19:05             | 21:30           | 1    | 2          | NE             | 0    | 6           | 2            | 2          | 0     | 0    | 14°C; gradually clouding over   |
| 10/07/14 | TGr      | 19:05             | 21:30           | 2    | 2          | NE             | 0    | 6           | 2            | 2          | 0     | 0    | 14°C  |
| 10/07/14 | TGr      | 19:05             | 21:30           | 3    | 1          | NE             | 0    | 7           | 2            | 2          | 0     | 0    | 13°C  |
| 10/07/14 | JB       | 19:05             | 21:35           | 1    | 4          | N              | 0    | 7           | 2            | 2          | 0     | 0    |   |
| 10/07/14 | JB       | 19:05             | 21:35           | 2    | 3          | N              | 0    | 7           | 2            | 2          | 0     | 0    |   |
| 10/07/14 | JB       | 19:05             | 21:35           | 3    | 3          | N              | 0    | 6           | 2            | 2          | 0     | 0    |   |

| Date     | Observer | Survey start time | Survey end time | Hour | Wind speed | Wind direction | Rain | Cloud cover | Cloud height | Visibility | Frost | Snow | Notes |
|----------|----------|-------------------|-----------------|------|------------|----------------|------|-------------|--------------|------------|-------|------|-------|
| 11/07/14 | TGr      | 08:40             | 12:25           | 1    | 1          | N              | 0    | 1           | 2            | 2          | 0     | 0    | 14°C  |
| 11/07/14 | TGr      | 08:40             | 12:25           | 2    | 1          | NE             | 0    | 1           | 2            | 2          | 0     | 0    | 15°C  |
| 11/07/14 | TGr      | 08:40             | 12:25           | 3    | 1          | NE             | 0    | 1           | 2            | 2          | 0     | 0    | 16°C  |
| 11/07/14 | TGr      | 08:40             | 12:25           | 4    | 2          | N              | 0    | 1           | 2            | 2          | 0     | 0    | 17°C  |
| 11/07/14 | TGr      | 08:40             | 12:25           | 5    | 2          | N              | 0    | 1           | 2            | 2          | 0     | 0    | 18°C  |
| 11/07/14 | JB       | 08:25             | 12:25           | 1    | 3          | W              | 0    | 5           | 2            | 2          | 0     | 0    |       |
| 11/07/14 | JB       | 08:25             | 12:25           | 2    | 3          | W              | 0    | 5           | 2            | 2          | 0     | 0    |       |
| 11/07/14 | JB       | 08:25             | 12:25           | 3    | 3          | W              | 0    | 6           | 2            | 2          | 0     | 0    |       |
| 11/07/14 | JB       | 08:25             | 12:25           | 4    | 3          | SE             | 0    | 5           | 2            | 2          | 0     | 0    |       |
| 02/08/14 | JB       | 11:30             | 16:20           | 1    | 2          | N              | 0    | 8           | 2            | 2          | 0     | 0    |       |
| 02/08/14 | JB       | 11:30             | 16:20           | 2    | 2          | N              | 0    | 6           | 2            | 2          | 0     | 0    |       |
| 02/08/14 | JB       | 11:30             | 16:20           | 3    | 3          | NE             | 0    | 7           | 2            | 2          | 0     | 0    |       |
| 02/08/14 | JB       | 11:30             | 16:20           | 4    | 3          | NE             | 0    | 8           | 2            | 2          | 0     | 0    |       |
| 02/08/14 | JB       | 11:30             | 16:20           | 5    | 3          | NE             | 4    | 8           | 1            | 2          | 0     | 0    |       |
| 02/08/14 | TGr      | 11:35             | 16:15           | 1    | 3          | NE             | 0    | 7           | 2            | 2          | 0     | 0    | 14°C  |
| 02/08/14 | TGr      | 11:35             | 16:15           | 2    | 3          | NE             | 0    | 7           | 2            | 2          | 0     | 0    | 14°C  |
| 02/08/14 | TGr      | 11:35             | 16:15           | 3    | 3          | NE             | 0    | 7           | 2            | 2          | 0     | 0    | 15°C  |
| 02/08/14 | TGr      | 11:35             | 16:15           | 4    | 3          | NE             | 0    | 7           | 2            | 2          | 0     | 0    | 14°C  |
| 02/08/14 | TGr      | 11:35             | 16:15           | 5    | 3          | NE             | 2    | 8           | 2            | 2          | 0     | 0    | 13°C  |
| 03/08/14 | TGr      | 18:45             | 20:45           | 1    | 3          | SE             | 0    | 1           | 2            | 2          | 0     | 0    | 16°C  |
| 03/08/14 | TGr      | 18:45             | 20:45           | 2    | 2          | SE             | 0    | 1           | 2            | 2          | 0     | 0    | 15°C  |
| 03/08/14 | TGr      | 18:45             | 20:45           | 3    | 1          | SE             | 0    | 2           | 2            | 2          | 0     | 0    | 14°C  |
| 03/08/14 | JB       | 18:45             | 20:45           | 4    | 3          | SE             | 0    | 1           | 2            | 2          | 0     | 0    |       |

| Date   | Observer | Survey start time | Survey end time | Hour | Wind speed | Wind direction | Rain | Cloud cover | Cloud height | Visibility | Frost | Snow | Notes |
|--|----------|-------------------|-----------------|------|------------|----------------|------|-------------|--------------|------------|-------|------|-------|
| 03/08/14   | JB       | 18:45             | 20:45           | 5    | 3          | SE             | 0    | 1           | 2            | 2          | 0     | 0    |       |
| <p>Key:</p> <ul style="list-style-type: none"> <li>• Observer: JB = John Bell; TGr = Torcuil Grant</li> <li>• Wind speed: according to Beaufort Scale</li> <li>• Wind direction: according to 16-point compass</li> <li>• Rain: 0 = None; 1 = Drizzle/Mist; 2 = Light showers; 3 = Heavy showers; 4 = Light rain; 5 = Heavy rain</li> <li>• Cloud cover: in eighths of sky (oktas)</li> <li>• Cloud height: 0 = &lt;150 m; 1 = 150-500 m; 2 = &gt;500 m</li> <li>• Visibility: 0 = Poor (&lt;1 km); 1 = Moderate (1-2 km); 2 = Good (&gt;2 km)</li> <li>• Frost: 0 = None; 1 = Ground frost; 2 = All day frost</li> <li>• Snow: 0 = None; 1 = On site; 2 = On high ground</li> </ul> |          |                   |                 |      |            |                |      |             |              |            |       |      |       |

#### 1.1.1.5 Breeding Diver Surveys

Details of hourly weather conditions recorded during the 2014 Breeding Diver Surveys (May to August inclusive) are presented in Table A8.3.4.

Table A8.3.4: Hourly Weather Conditions Recorded during the 2014 Breeding Diver Surveys

| Date     | Observer | Survey start time | Survey end time | Hour | Wind speed | Wind direction | Rain | Cloud cover | Cloud height | Visibility | Frost | Snow | Notes |
|----------|----------|-------------------|-----------------|------|------------|----------------|------|-------------|--------------|------------|-------|------|-------|
| 06/05/14 | DPB      | 11:20             | 18:00           | 1    | 1          | E              | 0    | 7           | 2            | 2          | 0     | 0    |       |
| 06/05/14 | DPB      | 11:20             | 18:00           | 2    | 1          | E              | 0    | 7           | 2            | 2          | 0     | 0    |       |
| 06/05/14 | DPB      | 11:20             | 18:00           | 3    | 1          | E              | 0    | 7           | 2            | 2          | 0     | 0    |       |
| 06/05/14 | DPB      | 11:20             | 18:00           | 1    | 2          | NE             | 0    | 7           | 2            | 2          | 0     | 0    |       |
| 06/05/14 | DPB      | 11:20             | 18:00           | 2    | 2          | N              | 0    | 6           | 2            | 2          | 0     | 0    |       |
| 06/05/14 | DPB      | 11:20             | 18:00           | 3    | 2          | N              | 0    | 6           | 2            | 2          | 0     | 0    |       |

| Date     | Observer | Survey start time | Survey end time | Hour | Wind speed | Wind direction | Rain | Cloud cover | Cloud height | Visibility | Frost | Snow | Notes                       |
|----------|----------|-------------------|-----------------|------|------------|----------------|------|-------------|--------------|------------|-------|------|-----------------------------|
| 06/05/14 | DPB      | 11:20             | 18:00           | 4    | 2          | N              | 2    | 7           | 2            | 2          | 0     | 0    |                             |
| 28/05/14 | TJS      | 14:45             | 21:00           | 1    | 3          | SE             | 0    | 8           | 2            | 2          | 0     | 0    | 14°C                        |
| 28/05/14 | TJS      | 14:45             | 21:00           | 2    | 3          | SE             | 0    | 8           | 2            | 2          | 0     | 0    | 14°C                        |
| 28/05/14 | TJS      | 14:45             | 21:00           | 3    | 3          | SE             | 0    | 7           | 2            | 2          | 0     | 0    | 13°C                        |
| 28/05/14 | TJS      | 14:45             | 21:00           | 4    | 3          | SE             | 0    | 7           | 2            | 2          | 0     | 0    | 13°C                        |
| 28/05/14 | TJS      | 14:45             | 21:00           | 5    | 2          | SE             | 0    | 8           | 2            | 2          | 0     | 0    | 12°C                        |
| 28/05/14 | TJS      | 14:45             | 21:00           | 6    | 2          | SE             | 0    | 8           | 2            | 2          | 0     | 0    | 12°C                        |
| 28/05/14 | TJS      | 14:45             | 21:00           | 7    | 2          | SE             | 0    | 8           | 2            | 2          | 0     | 0    | 10°C                        |
| 09/06/14 | DPB      | 14:45             | 18:00           | 1    | 2          | NE             | 0    | 7           | 2            | 2          | 0     | 0    |                             |
| 09/06/14 | DPB      | 14:45             | 18:00           | 2    | 2          | NE             | 0    | 7           | 2            | 2          | 0     | 0    |                             |
| 09/06/14 | DPB      | 14:45             | 18:00           | 3    | 2          | NE             | 0    | 7           | 2            | 2          | 0     | 0    |                             |
| 09/06/14 | DPB      | 14:45             | 18:00           | 4    | 2          | NE             | 0    | 7           | 2            | 2          | 0     | 0    |                             |
| 10/06/14 | DPB      | 08:10             | 11:30           | 1    | 3          | S              | 1    | 8           | 2            | 2          | 0     | 0    |                             |
| 10/06/14 | DPB      | 08:10             | 11:30           | 2    | 3          | S              | 1    | 8           | 2            | 2          | 0     | 0    |                             |
| 10/06/14 | DPB      | 08:10             | 11:30           | 3    | 3          | S              | 0    | 7           | 2            | 2          | 0     | 0    |                             |
| 10/06/14 | DPB      | 08:10             | 11:30           | 4    | 2          | SW             | 0    | 6           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 3 |
| 29/06/14 | TGr      | 07:05             | 08:50           | 1    | 3          | N              | 0    | 8           | 2            | 2          | 0     | 0    | 11°C                        |
| 29/06/14 | TGr      | 07:05             | 08:50           | 2    | 2          | N              | 0    | 8           | 2            | 2          | 0     | 0    | 11°C                        |
| 30/06/14 | CR       | 11:00             | 14:00           | 1    | 2          | NW             | 0    | 5           | 2            | 2          | 0     | 0    |                             |
| 30/06/14 | CR       | 11:00             | 14:00           | 2    | 2          | NW             | 0    | 5           | 2            | 2          | 0     | 0    |                             |
| 30/06/14 | CR       | 11:00             | 14:00           | 3    | 2          | NW             | 0    | 2           | 2            | 2          | 0     | 0    |                             |
| 13/07/14 | MSc      | 13:05             | 15:00           | 1    | 3          | SE             | 0    | 5           | 2            | 2          | 0     | 0    | 17°C                        |
| 14/07/14 | JB       | 15:22             | 19:22           | 1    | 2          | N              | 0    | 5           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 3 |

| Date     | Observer | Survey start time | Survey end time | Hour | Wind speed | Wind direction | Rain | Cloud cover | Cloud height | Visibility | Frost | Snow | Notes                     |
|----------|----------|-------------------|-----------------|------|------------|----------------|------|-------------|--------------|------------|-------|------|---------------------------|
| 14/07/14 | JB       | 15:22             | 19:22           | 2    | 3          | N              | 0    | 5           | 2            | 2          | 0     | 0    |                           |
| 14/07/14 | JB       | 15:22             | 19:22           | 3    | 3          | NW             | 0    | 5           | 2            | 2          | 0     | 0    | Periods of warm sunshine  |
| 14/07/14 | JB       | 15:22             | 19:22           | 4    | 3          | NW             | 0    | 5           | 2            | 2          | 0     | 0    |                           |
| 15/07/14 | TGr      | 11:15             | 16:50           | 1    | 4          | NW             | 0    | 6           | 2            | 2          | 0     | 0    | 14°C                      |
| 15/07/14 | TGr      | 11:15             | 16:50           | 2    | 4          | NW             | 0    | 6           | 2            | 2          | 0     | 0    | 15°C                      |
| 15/07/14 | TGr      | 11:15             | 16:50           | 3    | 4          | NW             | 0    | 6           | 2            | 2          | 0     | 0    | 16°C                      |
| 15/07/14 | TGr      | 11:15             | 16:50           | 4    | 3          | NW             | 0    | 6           | 2            | 2          | 0     | 0    | 16°C                      |
| 15/07/14 | TGr      | 11:15             | 16:50           | 5    | 3          | NW             | 0    | 6           | 2            | 2          | 0     | 0    | 16°C                      |
| 15/07/14 | TGr      | 11:15             | 16:50           | 6    | 3          | NW             | 0    | 6           | 2            | 2          | 0     | 0    | 16°C                      |
| 15/07/14 | TGr      | 11:15             | 16:50           | 7    | 3          | NW             | 0    | 5           | 2            | 2          | 0     | 0    | 16°C                      |
| 26/07/14 | JB       | 10:00             | 13:30           | 1    | 1          | SE             | 0    | 1           | 2            | 2          | 0     | 0    |                           |
| 26/07/14 | JB       | 10:00             | 13:30           | 2    | 1          | SE             | 0    | 1           | 2            | 2          | 0     | 0    |                           |
| 26/07/14 | JB       | 10:00             | 13:30           | 3    | 2          | E              | 0    | 3           | 2            | 2          | 0     | 0    |                           |
| 26/07/14 | JB       | 10:00             | 13:30           | 4    | 1          | SE             | 0    | 0           |              | 2          | 0     | 0    |                           |
| 27/07/14 | JB       | 08:00             | 11:25           | 1    | 2          | SE             | 0    | 2           | 2            | 2          | 0     | 0    |                           |
| 27/07/14 | JB       | 08:00             | 11:25           | 2    | 2          | SE             | 0    | 2           | 2            | 2          | 0     | 0    |                           |
| 27/07/14 | JB       | 08:00             | 11:25           | 3    | 2          | SE             | 0    | 2           | 2            | 2          | 0     | 0    |                           |
| 27/07/14 | JB       | 08:00             | 11:25           | 4    | 2          | SE             | 0    | 2           | 2            | 2          | 0     | 0    |                           |
| 13/08/14 | TGr      | 17:20             | 20:50           | 1    | 4          | NW             | 0    | 8           | 1            | 2          | 0     | 0    | 13°C; gloomy and overcast |
| 13/08/14 | TGr      | 17:20             | 20:50           | 2    | 4          | NW             | 0    | 8           | 1            | 2          | 0     | 0    |                           |
| 13/08/14 | TGr      | 17:20             | 20:50           | 3    | 3          | NW             | 0    | 8           | 1            | 2          | 0     | 0    | 12°C                      |
| 13/08/14 | TGr      | 17:20             | 20:50           | 4    | 3          | NW             | 0    | 8           | 1            | 2          | 0     | 0    |                           |

| Date  | Observer | Survey start time | Survey end time | Hour | Wind speed | Wind direction | Rain | Cloud cover | Cloud height | Visibility | Frost | Snow | Notes |
|---|----------|-------------------|-----------------|------|------------|----------------|------|-------------|--------------|------------|-------|------|-------|
| Key:  |          |                   |                 |      |            |                |      |             |              |            |       |      |       |
| <ul style="list-style-type: none"> <li>• Observer: CR = Chris Rodger; DPB = David Butterfield; JB = John Bell; MSc = Martin Scott; TGr = Torcuil Grant; TJS = Tim Sykes</li> <li>• Wind speed: according to Beaufort Scale</li> <li>• Wind direction: according to 16-point compass</li> <li>• Rain: 0 = None; 1 = Drizzle/Mist; 2 = Light showers; 3 = Heavy showers; 4 = Light rain; 5 = Heavy rain</li> <li>• Cloud cover: in eighths of sky (oktas)</li> <li>• Cloud height: 0 = &lt;150 m; 1 = 150-500 m; 2 = &gt;500 m</li> <li>• Visibility: 0 = Poor (&lt;1 km); 1 = Moderate (1-2 km); 2 = Good (&gt;2 km)</li> <li>• Frost: 0 = None; 1 = Ground frost; 2 = All day frost</li> <li>• Snow: 0 = None; 1 = On site; 2 = On high ground</li> </ul> |          |                   |                 |      |            |                |      |             |              |            |       |      |       |

### 1.1.1.6 Focal Loch Watches

Details of hourly weather conditions recorded during the 2014 Focal Loch Watches (June to July inclusive) are presented in Table A8.3.5.

Table A8.3.5: Hourly Weather Conditions Recorded during the 2014 Focal Loch Watches

| Date     | Observer | Survey start time | Survey end time | Hour | Wind speed | Wind direction | Rain | Cloud cover | Cloud height | Visibility | Frost | Snow | Notes                       |
|----------|----------|-------------------|-----------------|------|------------|----------------|------|-------------|--------------|------------|-------|------|-----------------------------|
| 10/06/14 | DPB      | 19:00             | 22:00           | 1    | 2          | S              | 0    | 8           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 3 |
| 10/06/14 | DPB      | 19:00             | 22:00           | 2    | 2          | S              | 1    | 8           | 2            | 2          | 0     | 0    |                             |
| 10/06/14 | DPB      | 19:00             | 22:00           | 3    | 2          | S              | 4    | 8           | 2            | 2          | 0     | 0    |                             |
| 30/06/14 | TJS      | 19:45             | 22:45           | 1    | 1          | E              | 0    | 8           | 2            | 2          | 0     | 0    | 16°C                        |
| 01/07/14 | JB       | 19:30             | 22:30           | 1    | 1          | N              | 0    | 2           | 2            | 2          | 0     | 0    | Good observing conditions   |
| 01/07/14 | JB       | 19:30             | 22:30           | 2    | 1          | N              | 0    | 2           | 2            | 2          | 0     | 0    |                             |
| 01/07/14 | JB       | 19:30             | 22:30           | 3    | 1          | N              | 0    | 2           | 2            | 2          | 0     | 0    |                             |



| Date   | Observer | Survey start time | Survey end time | Hour | Wind speed | Wind direction | Rain | Cloud cover | Cloud height | Visibility | Frost | Snow | Notes                       |
|--|----------|-------------------|-----------------|------|------------|----------------|------|-------------|--------------|------------|-------|------|-----------------------------|
| 01/07/14   | TGr      | 04:10             | 07:10           | 1    | 0          | -              | 0    | 8           | 2            | 2          | 0     | 0    | 11°C                        |
| 01/07/14   | TGr      | 04:10             | 07:10           | 2    | 0          | -              | 0    | 8           | 2            | 2          | 0     | 0    | 11°C                        |
| 01/07/14   | TGr      | 04:10             | 07:10           | 3    | 0          | -              | 0    | 7           | 2            | 2          | 0     | 0    | 11°C                        |
| 03/07/14   | JB       | 08:00             | 11:00           | 1    | 4          | S              | 0    | 6           | 2            | 2          | 0     | 0    |                             |
| 03/07/14   | JB       | 08:00             | 11:00           | 2    | 4          | S              | 0    | 8           | 2            | 2          | 0     | 0    |                             |
| 03/07/14   | JB       | 08:00             | 11:00           | 3    | 4          | S              | 0    | 8           | 2            | 2          | 0     | 0    |                             |
| 04/07/14   | DPB      | 04:25             | 07:25           | 1    | 3          | SW             | 0    | 8           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 4 |
| 04/07/14   | DPB      | 04:25             | 07:25           | 2    | 3          | SW             | 0    | 8           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 4 |
| 04/07/14   | DPB      | 04:25             | 07:25           | 3    | 4          | SW             | 0    | 8           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 5 |
| 08/07/14   | TGr      | 04:20             | 07:20           | 1    | 0          | -              | 0    | 3           | 2            | 2          | 0     | 0    | 11°C                        |
| 08/07/14   | TGr      | 04:20             | 07:20           | 2    | 1          | S              | 0    | 5           | 2            | 2          | 0     | 0    | 11°C                        |
| 08/07/14   | TGr      | 04:20             | 07:20           | 3    | 0          | -              | 0    | 4           | 2            | 2          | 0     | 0    | 12°C                        |
| <p>Key:</p> <ul style="list-style-type: none"> <li>• Observer: DPB = David Butterfield; JB = John Bell; TGr = Torcuil Grant; TJS = Tim Sykes</li> <li>• Wind speed: according to Beaufort Scale</li> <li>• Wind direction: according to 16-point compass</li> <li>• Rain: 0 = None; 1 = Drizzle/Mist; 2 = Light showers; 3 = Heavy showers; 4 = Light rain; 5 = Heavy rain</li> <li>• Cloud cover: in eighths of sky (oktas)</li> <li>• Cloud height: 0 = &lt;150 m; 1 = 150-500 m; 2 = &gt;500 m</li> <li>• Visibility: 0 = Poor (&lt;1 km); 1 = Moderate (1-2 km); 2 = Good (&gt;2 km)</li> <li>• Frost: 0 = None; 1 = Ground frost; 2 = All day frost</li> <li>• Snow: 0 = None; 1 = On site; 2 = On high ground</li> </ul> |          |                   |                 |      |            |                |      |             |              |            |       |      |                             |

### 1.1.1.8 Winter Walkover Surveys

Details of hourly weather conditions recorded during the 2014-15 Winter Walkover Surveys (November 2014 to February 2015 inclusive) are presented in Table A8.3.6.

*Table A8.3.6: Hourly Weather Conditions Recorded during the 2014-15 Winter Bird Surveys*

| Date     | Observer | Survey start time | Survey end time | Hour | Wind speed | Wind direction | Rain | Cloud cover | Cloud height | Visibility | Frost | Snow | Notes                       |
|----------|----------|-------------------|-----------------|------|------------|----------------|------|-------------|--------------|------------|-------|------|-----------------------------|
| 05/11/14 | DPB      | 12:00             | 16:20           | 1    | 1          | SE             | 1    | 8           | 1            | 1          | 0     | 0    |                             |
| 05/11/14 | DPB      | 12:00             | 16:20           | 2    | 1          | SE             | 1    | 8           | 1            | 1          | 0     | 0    |                             |
| 05/11/14 | DPB      | 12:00             | 16:20           | 3    | 1          | SE             | 0    | 7           | 2            | 2          | 0     | 0    |                             |
| 05/11/14 | DPB      | 12:00             | 16:20           | 4    | 1          | SE             | 0    | 7           | 2            | 2          | 0     | 0    |                             |
| 05/11/14 | DPB      | 12:00             | 16:20           | 5    | 1          | SE             | 0    | 6           | 2            | 2          | 0     | 0    |                             |
| 06/11/14 | DPB      | 07:45             | 12:00           | 1    | 5          | SE             | 0    | 8           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 6 |
| 06/11/14 | DPB      | 07:45             | 12:00           | 2    | 6          | SE             | 0    | 8           | 1            | 2          | 0     | 0    | Gusting to Beaufort Force 7 |
| 06/11/14 | DPB      | 07:45             | 12:00           | 3    | 6          | SE             | 2    | 8           | 1            | 2          | 0     | 0    | Gusting to Beaufort Force 7 |
| 06/11/14 | DPB      | 07:45             | 12:00           | 4    | 6          | SE             | 2    | 8           | 1            | 2          | 0     | 0    | Gusting to Beaufort Force 7 |
| 06/11/14 | DPB      | 07:45             | 12:00           | 5    | 6          | SE             | 2    | 8           | 1            | 2          | 0     | 0    | Gusting to Beaufort Force 7 |
| 14/01/15 | DPB      | 12:10             | 15:20           | 1    | 4          | W              | 0    | 7           | 2            | 2          | 0     | 1    | Gusting to Beaufort Force 5 |
| 14/01/15 | DPB      | 12:10             | 15:20           | 2    | 4          | W              | 0    | 4           | 2            | 2          | 0     | 1    | Gusting to Beaufort Force 5 |
| 14/01/15 | DPB      | 12:10             | 15:20           | 3    | 4          | W              | 0    | 4           | 2            | 2          | 0     | 1    | Gusting to Beaufort Force 5 |
| 14/01/15 | DPB      | 12:10             | 15:20           | 4    | 4          | W              | 0    | 5           | 2            | 2          | 0     | 1    | Gusting to Beaufort Force 5 |
| 15/01/15 | DPB      | 08:45             | 15:20           | 1    | 5          | S              | 0    | 5           | 2            | 2          | 0     | 1    | Gusting to Beaufort Force 6 |
| 15/01/15 | DPB      | 08:45             | 15:20           | 2    | 5          | S              | 0    | 4           | 2            | 2          | 0     | 1    | Gusting to Beaufort Force 6 |
| 15/01/15 | DPB      | 08:45             | 15:20           | 3    | 4          | SW             | 0    | 2           | 2            | 2          | 0     | 1    | Gusting to Beaufort Force 5 |
| 15/01/15 | DPB      | 08:45             | 15:20           | 4    | 4          | SW             | 0    | 2           | 2            | 2          | 0     | 1    | Gusting to Beaufort Force 5 |
| 15/01/15 | DPB      | 08:45             | 15:20           | 5    | 4          | SW             | 0    | 2           | 2            | 2          | 0     | 1    | Gusting to Beaufort Force 5 |

| Date  | Observer | Survey start time | Survey end time | Hour | Wind speed | Wind direction | Rain | Cloud cover | Cloud height | Visibility | Frost | Snow | Notes   |
|---|----------|-------------------|-----------------|------|------------|----------------|------|-------------|--------------|------------|-------|------|---|
| 15/01/15  | DPB      | 08:45             | 15:20           | 6    | 3          | SW             | 0    | 4           | 2            | 2          | 0     | 1    |   |
| 15/01/15  | DPB      | 08:45             | 15:20           | 7    | 3          | SW             | 0    | 4           | 2            | 2          | 0     | 1    |   |
| 25/02/15  | DPB      | 08:05             | 15:15           | 1    | 3          | SW             | 0    | 1           | 2            | 2          | 1     | 0    | Gusting to Beaufort Force 4                     |
| 25/02/15  | DPB      | 08:05             | 15:15           | 2    | 3          | SW             | 0    | 4           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 4                     |
| 25/02/15  | DPB      | 08:05             | 15:15           | 3    | 3          | SW             | 0    | 4           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 4                     |
| 25/02/15  | DPB      | 08:05             | 15:15           | 4    | 3          | SW             | 0    | 4           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 4                     |
| 25/02/15  | DPB      | 08:05             | 15:15           | 5    | 3          | SW             | 0    | 7           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 4                     |
| 25/02/15  | DPB      | 08:05             | 15:15           | 6    | 3          | SW             | 0    | 8           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 4                     |
| 25/02/15  | DPB      | 08:05             | 15:15           | 7    | 3          | SW             | 0    | 8           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 4                     |
| 25/02/15  | DPB      | 08:05             | 15:15           | 8    | 3          | SW             | 1    | 8           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 4                     |
| 26/02/15  | DPB      | 08:00             | 13:40           | 1    | 3          | W              | 2    | 8           | 1            | 2          | 0     | 0    | Gusting to Beaufort Force 4; sleet/snow showers |
| 26/02/15  | DPB      | 08:00             | 13:40           | 2    | 3          | W              | 0    | 4           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 4                     |
| 26/02/15  | DPB      | 08:00             | 13:40           | 3    | 4          | W              | 0    | 1           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 5                     |
| 26/02/15  | DPB      | 08:00             | 13:40           | 4    | 5          | W              | 0    | 1           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 6                     |
| 26/02/15  | DPB      | 08:00             | 13:40           | 5    | 5          | W              | 0    | 1           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 6                     |
| 26/02/15  | DPB      | 08:00             | 13:40           | 6    | 5          | W              | 0    | 1           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 6                     |
| <p>Key:</p> <ul style="list-style-type: none"> <li>• Observer: DPB = David Butterfield</li> <li>• Wind speed: according to Beaufort Scale</li> <li>• Wind direction: according to 16-point compass</li> <li>• Rain: 0 = None; 1 = Drizzle/Mist; 2 = Light showers; 3 = Heavy showers; 4 = Light rain; 5 = Heavy rain</li> <li>• Cloud cover: in eighths of sky (oktas)</li> <li>• Cloud height: 0 = &lt;150 m; 1 = 150-500 m; 2 = &gt;500 m</li> <li>• Visibility: 0 = Poor (&lt;1 km); 1 = Moderate (1-2 km); 2 = Good (&gt;2 km)</li> </ul> |          |                   |                 |      |            |                |      |             |              |            |       |      |   |

| Date  | Observer | Survey start time | Survey end time | Hour | Wind speed | Wind direction | Rain | Cloud cover | Cloud height | Visibility | Frost | Snow | Notes |
|---|----------|-------------------|-----------------|------|------------|----------------|------|-------------|--------------|------------|-------|------|-------|
| <ul style="list-style-type: none"> <li>• Frost: 0 = None; 1 = Ground frost; 2 = All day frost</li> <li>• Snow: 0 = None; 1 = On site; 2 = On high ground</li> </ul> |          |                   |                 |      |            |                |      |             |              |            |       |      |       |

### 1.1.2 2015-16 (Year 2)

Details of hourly weather conditions recorded during the 2015-16 (Year 2) Baseline Ornithology Surveys (April 2015 to March 2016 inclusive) are presented in Tables A8.3.7-A8.3.12.

#### 1.1.2.1 Flight Activity Surveys

Details of hourly weather conditions recorded during the 2015-16 Flight Activity Surveys (April 2015 to March 2016 inclusive) are presented in Table A8.3.7.

*Table A8.3.7: Hourly Weather Conditions Recorded during the 2015-16 Flight Activity Surveys*

| Date     | VP | Observer | Survey start time | Survey end time | Hour | Wind speed | Wind direction | Rain | Cloud cover | Cloud height | Visibility | Frost | Snow | Notes                              |
|----------|----|----------|-------------------|-----------------|------|------------|----------------|------|-------------|--------------|------------|-------|------|------------------------------------|
| 01/04/15 | 2  | CMc      | 10:15             | 13:15           | 1    | 6          | S              | 2    | 6           | 1            | 2          | 0     | 0    | 5°C                                |
| 01/04/15 | 2  | CMc      | 10:15             | 13:15           | 2    | 6          | S              | 2    | 7           | 1            | 2          | 0     | 0    | Hail shower at 12:05; sunny spells |
| 01/04/15 | 2  | CMc      | 10:15             | 13:15           | 3    | 6          | S              | 2    | 7           | 1            | 2          | 0     | 0    | Hail shower at 12:55               |
| 02/04/15 | 1  | CMc      | 11:30             | 14:30           | 1    | 3          | SW             | 0    | 1           | 1            | 2          | 0     | 0    | 8°C                                |
| 02/04/15 | 1  | CMc      | 11:30             | 14:30           | 2    | 3          | SW             | 0    | 1           | 1            | 2          | 0     | 0    | 8°C                                |
| 02/04/15 | 1  | CMc      | 11:30             | 14:30           | 3    | 3          | SW             | 0    | 1           | 1            | 2          | 0     | 0    | 8°C                                |
| 03/04/15 | 2  | CMc      | 06:45             | 09:45           | 1    | 5          | W              | 0    | 8           | 0            | 2          | 0     | 0    | 5°C                                |
| 03/04/15 | 2  | CMc      | 06:45             | 09:45           | 2    | 4          | W              | 0    | 8           | 0            | 2          | 0     | 0    | 5°C                                |
| 03/04/15 | 2  | CMc      | 06:45             | 09:45           | 3    | 4          | W              | 1    | 8           | 0            | 2          | 0     | 0    | 3°C                                |

| Date     | VP | Observer | Survey start time | Survey end time | Hour | Wind speed | Wind direction | Rain | Cloud cover | Cloud height | Visibility | Frost | Snow | Notes                             |
|----------|----|----------|-------------------|-----------------|------|------------|----------------|------|-------------|--------------|------------|-------|------|-----------------------------------|
| 08/04/15 | 3  | JHo      | 06:45             | 09:45           | 1    | 1          | SW             | 0    | 8           | 2            | 2          | 0     | 0    | 6°C                               |
| 08/04/15 | 3  | JHo      | 06:45             | 09:45           | 2    | 2          | SW             | 0    | 7           | 2            | 2          | 0     | 0    | 7°C                               |
| 08/04/15 | 3  | JHo      | 06:45             | 09:45           | 3    | 2          | SW             | 0    | 7           | 2            | 2          | 0     | 0    | 7°C                               |
| 13/04/15 | 3  | TGr      | 12:20             | 15:20           | 1    | 4          | SW             | 0    | 7           | 2            | 2          | 0     | 0    | 6°C                               |
| 13/04/15 | 3  | TGr      | 12:20             | 15:20           | 2    | 4          | SW             | 0    | 8           | 2            | 2          | 0     | 0    | 7°C                               |
| 13/04/15 | 3  | TGr      | 12:20             | 15:20           | 3    | 4          | SW             | 0    | 8           | 2            | 2          | 0     | 0    | 7°C                               |
| 15/04/15 | 1  | JHo      | 06:05             | 09:05           | 1    | 3          | W              | 2    | 4           | 2            | 2          | 0     | 0    | 4°C                               |
| 15/04/15 | 1  | JHo      | 06:05             | 09:05           | 2    | 7          | NW             | 2    | 5           | 2            | 2          | 0     | 0    | Frequent showers; 4°C             |
| 15/04/15 | 1  | JHo      | 06:05             | 09:05           | 3    | 6          | NW             | 3    | 5           | 2            | 2          | 0     | 0    | Heavy, frequent showers; 5°C      |
| 06/05/15 | 2  | DM       | 09:45             | 12:45           | 1    | 1          | NW             | 2    | 8           | 2            | 1          | 0     | 0    | Gusting to Beaufort Force 2       |
| 06/05/15 | 2  | DM       | 09:45             | 12:45           | 2    | 2          | N              | 1    | 8           | 2            | 1          | 0     | 0    | Gusting to Beaufort Force 3       |
| 06/05/15 | 2  | DM       | 09:45             | 12:45           | 3    | 2          | N              | 1    | 8           | 2            | 1          | 0     | 0    | Gusting to Beaufort Force 3       |
| 11/05/15 | 1  | JHo      | 18:30             | 21:30           | 1    | 3          | W              | 2    | 8           | 2            | 2          | 0     | 0    | 14°C; gusting 4                   |
| 11/05/15 | 1  | JHo      | 18:30             | 21:30           | 2    | 2          | W              | 0    | 3           | 2            | 2          | 0     | 0    | 10°C                              |
| 11/05/15 | 1  | JHo      | 18:30             | 21:30           | 3    | 3          | W              | 0    | 6           | 2            | 2          | 0     | 0    | 5°C                               |
| 13/05/15 | 3  | JHo      | 18:30             | 21:33           | 1    | 2          | NE             | 0    | 5           | 2            | 2          | 0     | 0    |                                   |
| 13/05/15 | 3  | JHo      | 18:30             | 21:33           | 2    | 1          | NE             | 0    | 4           | 2            | 2          | 0     | 0    |                                   |
| 13/05/15 | 3  | JHo      | 18:30             | 21:33           | 3    | 1          | NE             | 0    | 1           | 2            | 2          | 0     | 0    |                                   |
| 14/05/15 | 2  | JHo      | 18:30             | 21:30           | 1    | 2          | SE             | 0    | 1           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 3; 11°C |
| 14/05/15 | 2  | JHo      | 18:30             | 21:30           | 2    | 2          | SE             | 0    | 1           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 3       |
| 14/05/15 | 2  | JHo      | 18:30             | 21:30           | 3    | 2          | E              | 0    | 1           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 3; 0°C  |

| Date     | VP | Observer | Survey start time | Survey end time | Hour | Wind speed | Wind direction | Rain | Cloud cover | Cloud height | Visibility | Frost | Snow | Notes                                    |
|----------|----|----------|-------------------|-----------------|------|------------|----------------|------|-------------|--------------|------------|-------|------|--|
| 27/05/15 | 1  | DM       | 09:30             | 12:30           | 1    | 3          | SW             | 1    | 7           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 4; 11°C        |
| 27/05/15 | 1  | DM       | 09:30             | 12:30           | 2    | 3          | SW             | 0    | 8           | 2            | 2          | 0     | 0    |  |
| 27/05/15 | 1  | DM       | 09:30             | 12:30           | 3    | 3          | SW             | 0    | 7           | 2            | 2          | 0     | 0    |  |
| 28/05/15 | 1  | JHo      | 19:05             | 22:05           | 1    | 2          | NW             | 2    | 7           | 2            | 1          | 0     | 0    | Gusting to Beaufort Force 3              |
| 28/05/15 | 1  | JHo      | 19:05             | 22:05           | 2    | 2          | SW             | 3    | 7           | 2            | 1          | 0     | 0    |  |
| 28/05/15 | 1  | JHo      | 19:05             | 22:05           | 3    | 2          | W              | 3    | 7           | 2            | 1          | 0     | 0    |  |
| 29/05/15 | 1  | JHo      | 15:30             | 18:30           | 1    | 3          | W              | 0    | 4           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 4              |
| 29/05/15 | 1  | JHo      | 15:30             | 18:30           | 2    | 2          | W              | 0    | 4           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 3              |
| 29/05/15 | 1  | JHo      | 15:30             | 18:30           | 3    | 3          | W              | 0    | 4           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 4              |
| 29/05/15 | 2  | DM       | 11:45             | 14:45           | 1    | 3          | NW             | 0    | 6           | 2            | 2          | 0     | 0    | 8°C                                      |
| 29/05/15 | 2  | DM       | 11:45             | 14:45           | 2    | 3          | NW             | 0    | 3           | 2            | 2          | 0     | 0    | 10°C; gusting to Beaufort Force 4        |
| 29/05/15 | 2  | DM       | 11:45             | 14:45           | 3    | 3          | NW             | 0    | 3           | 2            | 2          | 0     | 0    |  |
| 30/05/15 | 3  | JHo      | 12:45             | 15:45           | 1    | 2          | NW             | 0    | 8           | 2            | 2          | 0     | 0    |  |
| 30/05/15 | 3  | JHo      | 12:45             | 15:45           | 2    | 2          | NW             | 0    | 8           | 2            | 2          | 0     | 0    |  |
| 30/05/15 | 3  | JHo      | 12:45             | 15:45           | 3    | 2          | NW             | 0    | 8           | 2            | 2          | 0     | 0    |  |
| 30/05/15 | 2  | DM       | 19:00             | 22:00           | 1    | 2          | NW             | 0    | 1           | 2            | 2          | 0     | 0    | 11°C                                     |
| 30/05/15 | 2  | DM       | 19:00             | 22:00           | 2    | 1          | NW             | 0    | 2           | 2            | 2          | 0     | 0    |  |
| 30/05/15 | 2  | DM       | 19:00             | 22:00           | 3    | 0          | -              | 0    | 3           | 2            | 2          | 0     | 0    | 10°C                                     |
| 31/05/15 | 3  | TJS      | 19:30             | 22:30           | 1    | 6          | W              | 0    | 3           | 2            | 2          | 0     | 0    | 8°C                                      |
| 31/05/15 | 3  | TJS      | 19:30             | 22:30           | 2    | 4          | W              | 0    | 2           | 2            | 2          | 0     | 0    | Wind speed variable (Beaufort Force 3-5) |
| 31/05/15 | 3  | TJS      | 19:30             | 22:30           | 3    | 3          | W              | 0    | 3           | 2            | 2          | 0     | 0    | 7°C                                      |

| Date     | VP | Observer | Survey start time | Survey end time | Hour | Wind speed | Wind direction | Rain | Cloud cover | Cloud height | Visibility | Frost | Snow | Notes   |
|----------|----|----------|-------------------|-----------------|------|------------|----------------|------|-------------|--------------|------------|-------|------|---|
| 31/05/15 | 3  | TJS      | 16:00             | 19:00           | 1    | 5          | W              | 0    | 5           | 2            | 2          | 0     | 0    | 10°C; wind variable (Gusting to Beaufort Force 4-6); one brief but heavy shower |
| 31/05/15 | 3  | TJS      | 16:00             | 19:00           | 2    | 6          | W              | 2    | 7           | 2            | 2          | 0     | 0    | Heavy rain for 15 mins  |
| 31/05/15 | 3  | TJS      | 16:00             | 19:00           | 3    | 6          | W              | 2    | 7           | 2            | 2          | 0     | 0    | Light showers   |
| 10/06/15 | 1  | JHo      | 12:35             | 15:35           | 1    | 2          | NW             | 0    | 7           | 2            | 2          | 0     | 0    | Wind increased to 3 Beaufort Force at 12:40                                     |
| 10/06/15 | 1  | JHo      | 12:35             | 15:35           | 2    | 3          | NW             | 0    | 6           | 2            | 2          | 0     | 0    |   |
| 10/06/15 | 1  | JHo      | 12:35             | 15:35           | 3    | 3          | NW             | 0    | 7           | 2            | 2          | 0     | 0    |   |
| 12/06/15 | 3  | TGr      | 04:00             | 07:00           | 1    | 0          | -              | 0    | 2           | 2            | 2          | 0     | 0    | 4°C; misty patches in hollows and over loch for first half hour                 |
| 12/06/15 | 3  | TGr      | 04:00             | 07:00           | 2    | 1          | SW             | 0    | 3           | 2            | 2          | 0     | 0    | 6°C   |
| 12/06/15 | 3  | TGr      | 04:00             | 07:00           | 3    | 2          | SW             | 0    | 2           | 2            | 2          | 0     | 0    | 8°C   |
| 12/06/15 | 2  | TGr      | 07:55             | 10:55           | 1    | 2          | SW             | 0    | 7           | 2            | 2          | 0     | 0    | 10°C  |
| 12/06/15 | 2  | TGr      | 07:55             | 10:55           | 2    | 3          | NW             | 0    | 8           | 2            | 2          | 0     | 0    | 9°; cool and damp with very slight drizzle briefly                              |
| 12/06/15 | 2  | TGr      | 07:55             | 10:55           | 3    | 3          | NW             | 0    | 8           | 1            | 1          | 0     | 0    | 9°C   |
| 15/06/15 | 3  | TJS      | 03:55             | 06:55           | 1    | 0          | -              | 0    | 7           | 2            | 2          | 0     | 0    | 7°C   |
| 15/06/15 | 3  | TJS      | 03:55             | 06:55           | 2    | 1          | -              | 0    | 7           | 2            | 2          | 0     | 0    |   |
| 15/06/15 | 3  | TJS      | 03:55             | 06:55           | 3    | 1          | NW             | 0    | 8           | 2            | 2          | 0     | 0    | 8°C   |
| 15/06/15 | 2  | TJS      | 09:20             | 12:20           | 1    | 1          | N              | 0    | 7           | 2            | 2          | 0     | 0    | 10°C  |
| 15/06/15 | 2  | TJS      | 09:20             | 12:20           | 2    | 1          | N              | 0    | 8           | 2            | 2          | 0     | 0    | 13°C  |
| 15/06/15 | 2  | TJS      | 09:20             | 12:20           | 3    | 1          | N              | 0    | 8           | 2            | 2          | 0     | 0    |   |

| Date     | VP | Observer | Survey start time | Survey end time | Hour | Wind speed | Wind direction | Rain | Cloud cover | Cloud height | Visibility | Frost | Snow | Notes  |
|----------|----|----------|-------------------|-----------------|------|------------|----------------|------|-------------|--------------|------------|-------|------|--|
| 16/06/15 | 1  | TJS      | 09:10             | 12:10           | 1    | 2          | S              | 0    | 7           | 2            | 2          | 0     | 0    | 12°C   |
| 16/06/15 | 1  | TJS      | 09:10             | 12:10           | 2    | 2          | S              | 0    | 7           | 2            | 2          | 0     | 0    |  |
| 16/06/15 | 1  | TJS      | 09:10             | 12:10           | 3    | 1          | S              | 0    | 8           | 2            | 2          | 0     | 0    | 13°C   |
| 16/06/15 | 2  | TJS      | 03:45             | 06:45           | 1    | 1          | NW             | 0    | 1           | 2            | 2          | 0     | 0    | 8°C  |
| 16/06/15 | 2  | TJS      | 03:45             | 06:45           | 2    | 2          | NW             | 0    | 2           | 2            | 2          | 0     | 0    |  |
| 16/06/15 | 2  | TJS      | 03:45             | 06:45           | 3    | 1          | -              | 0    | 3           | 2            | 2          | 0     | 0    | 9°C  |
| 17/06/15 | 3  | TJS      | 07:25             | 10:25           | 1    | 3          | SW             | 1    | 8           | 2            | 2          | 0     | 0    | 9°C  |
| 17/06/15 | 3  | TJS      | 07:25             | 10:25           | 2    | 3          | SW             | 1    | 8           | 2            | 2          | 0     | 0    |  |
| 17/06/15 | 3  | TJS      | 07:25             | 10:25           | 3    | 4          | SW             | 2    | 8           | 2            | 2          | 0     | 0    |  |
| 17/06/15 | 1  | TJS      | 03:50             | 06:05           | 1    | 2          | SW             | 0    | 8           | 2            | 2          | 0     | 0    | 8°C  |
| 17/06/15 | 1  | TJS      | 03:50             | 06:05           | 2    | 2          | SW             | 0    | 8           | 2            | 2          | 0     | 0    |  |
| 17/06/15 | 1  | TJS      | 03:50             | 06:05           | 3    | 3          | SW             | 0    | 8           | 2            | 2          | 0     | 0    | 9°C  |
| 25/06/15 | 2  | TGr      | 03:55             | 06:55           | 1    | 1          | NW             | 0    | 7           | 2            | 2          | 0     | 0    | 9°C  |
| 25/06/15 | 2  | TGr      | 03:55             | 06:55           | 2    | 0          | -              | 0    | 8           | 2            | 2          | 0     | 0    |  |
| 25/06/15 | 2  | TGr      | 03:55             | 06:55           | 3    | 2          | NE             | 2    | 8           | 2            | 2          | 0     | 0    | 10°C; drizzle/light rain during last 30 mins |
| 25/06/15 | 3  | TGr      | 13:55             | 16:55           | 1    | 4          | SE             | 0    | 8           | 2            | 2          | 0     | 0    | 12°C   |
| 25/06/15 | 3  | TGr      | 13:55             | 16:55           | 2    | 4          | SE             | 0    | 8           | 2            | 2          | 0     | 0    |  |
| 25/06/15 | 3  | TGr      | 13:55             | 16:55           | 3    | 4          | SE             | 0    | 8           | 2            | 2          | 0     | 0    | 13°C   |
| 26/06/15 | 1  | JB       | 03:55             | 06:55           | 1    | 4          | E              | 1    | 8           | 1            | 2          | 0     | 0    |  |
| 26/06/15 | 1  | JB       | 03:55             | 06:55           | 2    | 4          | E              | 0    | 8           | 1            | 1          | 0     | 0    |  |
| 26/06/15 | 1  | JB       | 03:55             | 06:55           | 3    | 4          | E              | 1    | 8           | 2            | 2          | 0     | 0    | Drizzle on and off                           |
| 27/06/15 | 3  | JB       | 04:05             | 07:05           | 1    | 1          | W              | 0    | 4           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 2                  |



| Date     | VP | Observer | Survey start time | Survey end time | Hour | Wind speed | Wind direction | Rain | Cloud cover | Cloud height | Visibility | Frost | Snow | Notes   |
|----------|----|----------|-------------------|-----------------|------|------------|----------------|------|-------------|--------------|------------|-------|------|---|
| 27/06/15 | 3  | JB       | 04:05             | 07:05           | 2    | 1          | W              | 0    | 4           | 2            | 2          | 0     | 0    |   |
| 27/06/15 | 3  | JB       | 04:05             | 07:05           | 3    | 1          | W              | 0    | 3           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 2                                   |
| 29/06/15 | 2  | JHo      | 04:10             | 07:10           | 1    | 3          | S              | 0    | 7           | 2            | 2          | 0     | 0    |   |
| 29/06/15 | 2  | JHo      | 04:10             | 07:10           | 2    | 3          | S              | 2    | 8           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 4; light rain 05:05-05:28.          |
| 29/06/15 | 2  | JHo      | 04:10             | 07:10           | 3    | 2          | SW             | 0    | 5           | 2            | 2          | 0     | 0    |   |
| 30/06/15 | 1  | JHo      | 04:10             | 07:10           | 1    | 2          | SE             | 2    | 8           | 2            | 2          | 0     | 0    |   |
| 30/06/15 | 1  | JHo      | 04:10             | 07:10           | 2    | 2          | SE             | 2    | 8           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 3; rain from 05:50 to end of survey |
| 30/06/15 | 1  | JHo      | 04:10             | 07:10           | 3    | 3          | SE             | 2    | 8           | 2            | 1          | 0     | 0    |   |
| 02/07/15 | 1  | JHo      | 17:15             | 20:15           | 1    | 2          | NW             | 0    | 8           | 1            | 1          | 0     | 0    |   |
| 02/07/15 | 1  | JHo      | 17:15             | 20:15           | 2    | 1          | NW             | 0    | 7           | 1            | 2          | 0     | 0    | Variable wind speed (Beaufort Force 0-1)                      |
| 02/07/15 | 1  | JHo      | 17:15             | 20:15           | 3    | 1          | NW             | 0    | 7           | 2            | 2          | 0     | 0    | Variable wind speed (Beaufort Force 0-1; 2 from 19:14)        |
| 03/07/15 | 2  | JHo      | 09:00             | 12:00           | 1    | 2          | SW             | 0    | 2           | 2            | 2          | 0     | 0    |   |
| 03/07/15 | 2  | JHo      | 09:00             | 12:00           | 2    | 2          | NE             | 0    | 2           | 2            | 2          | 0     | 0    |   |
| 03/07/15 | 2  | JHo      | 09:00             | 12:00           | 3    | 2          | NE             | 0    | 3           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 3                                   |
| 08/07/15 | 3  | JHo      | 12:45             | 15:45           | 1    | 4          | N              | 2    | 6           | 2            | 2          | 0     | 0    |   |
| 08/07/15 | 3  | JHo      | 12:45             | 15:45           | 2    | 3          | N              | 2    | 7           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 4                                   |
| 08/07/15 | 3  | JHo      | 12:45             | 15:45           | 3    | 4          | N              | 2    | 6           | 2            | 2          | 0     | 0    |   |
| 10/07/15 | 2  | MSc      | 09:45             | 12:45           | 1    | 4          | N              | 2    | 7           | 2            | 2          | 0     | 0    |   |
| 10/07/15 | 2  | MSc      | 09:45             | 12:45           | 2    | 5          | N              | 1    | 7           | 2            | 2          | 0     | 0    |   |

| Date     | VP | Observer | Survey start time | Survey end time | Hour | Wind speed | Wind direction | Rain | Cloud cover | Cloud height | Visibility | Frost | Snow | Notes  |
|----------|----|----------|-------------------|-----------------|------|------------|----------------|------|-------------|--------------|------------|-------|------|--|
| 10/07/15 | 2  | MSc      | 09:45             | 12:45           | 3    | 4          | N              | 1    | 5           | 2            | 2          | 0     | 0    |  |
| 22/07/15 | 2  | TJS      | 15:40             | 18:40           | 1    | 3          | W              | 1    | 7           | 2            | 2          | 0     | 0    | 12°C; drizzle for five mins only.                                |
| 22/07/15 | 2  | TJS      | 15:40             | 18:40           | 2    | 3          | W              | 0    | 8           | 2            | 2          | 0     | 0    | 12°C   |
| 22/07/15 | 2  | TJS      | 15:40             | 18:40           | 3    | 3          | W              | 0    | 7           | 2            | 2          | 0     | 0    | 12°C   |
| 22/07/15 | 3  | TJS      | 19:30             | 22:30           | 1    | 3          | W              | 0    | 7           | 2            | 2          | 0     | 0    | 11°C   |
| 22/07/15 | 3  | TJS      | 19:30             | 22:30           | 2    | 2          | W              | 0    | 6           | 2            | 2          | 0     | 0    | 10°C   |
| 22/07/15 | 3  | TJS      | 19:30             | 22:30           | 3    | 2          | W              | 0    | 3           | 2            | 2          | 0     | 0    | 8°C  |
| 23/07/15 | 2  | TJS      | 20:30             | 22:30           | 1    | 5          | W              | 0    | 7           | 2            | 2          | 0     | 0    | 10°C   |
| 23/07/15 | 2  | TJS      | 20:30             | 22:30           | 2    | 4          | W              | 4    | 8           | 2            | 2          | 0     | 0    | 10°C, VP aborted after two hours due to poor weather             |
| 24/07/15 | 2  | TJS      | 13:40             | 14:40           | 1    | 1          | SW             | 0    | 3           | 2            | 2          | 0     | 0    | 15°C; completed 1-hr top-up to cover shortfall from previous day |
| 25/07/15 | 1  | JHo      | 18:45             | 21:53           | 1    | 2          | NW             | 0    | 7           | 2            | 2          | 0     | 0    | 13°C   |
| 25/07/15 | 1  | JHo      | 18:45             | 21:53           | 2    | 1          | N              | 0    | 6           | 2            | 2          | 0     | 0    |  |
| 25/07/15 | 1  | JHo      | 18:45             | 21:53           | 3    | 1          | NW             | 0    | 5           | 2            | 2          | 0     | 0    |  |
| 26/07/15 | 3  | JHo      | 08:30             | 11:30           | 1    | 2          | SE             | 0    | 5           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 3                                      |
| 26/07/15 | 3  | JHo      | 08:30             | 11:30           | 2    | 2          | SE             | 0    | 4           | 2            | 2          | 0     | 0    |  |
| 26/07/15 | 3  | JHo      | 08:30             | 11:30           | 3    | 2          | SE             | 0    | 6           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 3                                      |
| 26/07/15 | 2  | DM       | 18:50             | 21:50           | 1    | 3          | SE             | 0    | 5           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 4; 12°C                                |
| 26/07/15 | 2  | DM       | 18:50             | 21:50           | 2    | 3          | SE             | 0    | 5           | 2            | 2          | 0     | 0    | 11°C   |
| 26/07/15 | 2  | DM       | 18:50             | 21:50           | 3    | 3          | SE             | 0    | 6           | 2            | 2          | 0     | 0    | 11°C   |
| 28/07/15 | 1  | JB       | 12:00             | 15:00           | 1    | 3          | NE             | 0    | 8           | 2            | 2          | 0     | 0    | 11°C   |

| Date     | VP | Observer | Survey start time | Survey end time | Hour | Wind speed | Wind direction | Rain | Cloud cover | Cloud height | Visibility | Frost | Snow | Notes                                |
|----------|----|----------|-------------------|-----------------|------|------------|----------------|------|-------------|--------------|------------|-------|------|--------------------------------------|
| 28/07/15 | 1  | JB       | 12:00             | 15:00           | 2    | 3          | NE             | 0    | 7           | 2            | 2          | 0     | 0    |                                      |
| 28/07/15 | 1  | JB       | 12:00             | 15:00           | 3    | 3          | NE             | 0    | 5           | 2            | 2          | 0     | 0    | 15°C                                 |
| 30/07/15 | 1  | JHo      | 19:00             | 22:00           | 1    | 1          | NW             | 0    | 4           | 2            | 2          | 0     | 0    | Calm from 19:38; midges!             |
| 30/07/15 | 1  | JHo      | 19:00             | 22:00           | 2    | 1          | NW             | 0    | 3           | 2            | 2          | 0     | 0    |                                      |
| 30/07/15 | 1  | JHo      | 19:00             | 22:00           | 3    | 0          | NW             | 0    | 5           | 2            | 2          | 0     | 0    | Wind speed Beaufort Force 1 at 21:19 |
| 31/07/15 | 3  | JHo      | 18:30             | 21:30           | 1    | 2          | SW             | 2    | 7           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 3          |
| 31/07/15 | 3  | JHo      | 18:30             | 21:30           | 2    | 2          | SW             | 2    | 7           | 2            | 2          | 0     | 0    |                                      |
| 31/07/15 | 3  | JHo      | 18:30             | 21:30           | 3    | 2          | SW             | 2    | 8           | 2            | 2          | 0     | 0    |                                      |
| 12/08/15 | 2  | DM       | 14:30             | 17:30           | 1    | 2          | NE             | 0    | 5           | 2            | 2          | 0     | 0    |                                      |
| 12/08/15 | 2  | DM       | 14:30             | 17:30           | 2    | 3          | NE             | 0    | 6           | 2            | 2          | 0     | 0    |                                      |
| 12/08/15 | 2  | DM       | 14:30             | 17:30           | 3    | 2          | NE             | 0    | 7           | 2            | 2          | 0     | 0    |                                      |
| 19/08/15 | 3  | JHo      | 13:15             | 16:15           | 1    | 3          | SE             | 0    | 8           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 4          |
| 19/08/15 | 3  | JHo      | 13:15             | 16:15           | 2    | 3          | SE             | 0    | 7           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 4          |
| 19/08/15 | 3  | JHo      | 13:15             | 16:15           | 3    | 2          | SE             | 0    | 4           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 3          |
| 21/08/15 | 2  | JHo      | 05:40             | 08:40           | 1    | 3          | S              | 1    | 8           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 4          |
| 21/08/15 | 2  | JHo      | 05:40             | 08:40           | 2    | 3          | S              | 0    | 7           | 2            | 2          | 0     | 0    |                                      |
| 21/08/15 | 2  | JHo      | 05:40             | 08:40           | 3    | 3          | S              | 0    | 7           | 2            | 2          | 0     | 0    |                                      |
| 21/08/15 | 1  | JHo      | 09:30             | 12:30           | 1    | 2          | SE             | 0    | 7           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 3          |
| 21/08/15 | 1  | JHo      | 09:30             | 12:30           | 2    | 2          | SE             | 0    | 7           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 3          |
| 21/08/15 | 1  | JHo      | 09:30             | 12:30           | 3    | 2          | S              | 0    | 6           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 3          |
| 22/08/15 | 1  | DM       | 05:50             | 08:50           | 1    | 2          | SE             | 0    | 5           | 2            | 2          | 0     | 0    |                                      |
| 22/08/15 | 1  | DM       | 05:50             | 08:50           | 2    | 2          | SE             | 0    | 5           | 2            | 2          | 0     | 0    |                                      |

| Date     | VP | Observer | Survey start time | Survey end time | Hour | Wind speed | Wind direction | Rain | Cloud cover | Cloud height | Visibility | Frost | Snow | Notes                       |
|----------|----|----------|-------------------|-----------------|------|------------|----------------|------|-------------|--------------|------------|-------|------|-----------------------------|
| 22/08/15 | 1  | DM       | 05:50             | 08:50           | 3    | 0          | -              | 0    | 5           | 2            | 2          | 0     | 0    |                             |
| 24/08/15 | 3  | DM       | 05:55             | 08:55           | 1    | 4          | SE             | 0    | 1           | 2            | 2          | 0     | 0    |                             |
| 24/08/15 | 3  | DM       | 05:55             | 08:55           | 2    | 3          | SE             | 0    | 2           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 4 |
| 24/08/15 | 3  | DM       | 05:55             | 08:55           | 3    | 4          | SE             | 0    | 6           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 5 |
| 07/09/15 | 1  | DPB      | 08:40             | 11:40           | 1    | 2          | NW             | 1    | 8           | 1            | 2          | 0     | 0    |                             |
| 07/09/15 | 1  | DPB      | 08:40             | 11:40           | 2    | 2          | NW             | 0    | 8           | 2            | 2          | 0     | 0    |                             |
| 07/09/15 | 1  | DPB      | 08:40             | 11:40           | 3    | 2          | NW             | 0    | 7           | 2            | 2          | 0     | 0    |                             |
| 11/09/15 | 1  | DPB      | 05:55             | 08:55           | 1    | 3          | SE             | 0    | 0           | 0            | 2          | 0     | 0    |                             |
| 11/09/15 | 1  | DPB      | 05:55             | 08:55           | 2    | 4          | SE             | 0    | 0           | 0            | 2          | 0     | 0    |                             |
| 11/09/15 | 1  | DPB      | 05:55             | 08:55           | 3    | 4          | SE             | 0    | 0           | 0            | 2          | 0     | 0    |                             |
| 16/09/15 | 2  | DPB      | 17:15             | 20:15           | 1    | 1          | NW             | 0    | 8           | 2            | 2          | 0     | 0    |                             |
| 16/09/15 | 2  | DPB      | 17:15             | 20:15           | 2    | 1          | NW             | 0    | 8           | 2            | 2          | 0     | 0    |                             |
| 16/09/15 | 2  | DPB      | 17:15             | 20:15           | 3    | 1          | NW             | 0    | 8           | 2            | 2          | 0     | 0    |                             |
| 16/09/15 | 2  | DPB      | 12:20             | 15:20           | 1    | 1          | W              | 0    | 8           | 2            | 2          | 0     | 0    |                             |
| 16/09/15 | 2  | DPB      | 12:20             | 15:20           | 2    | 2          | NW             | 0    | 7           | 2            | 2          | 0     | 0    |                             |
| 16/09/15 | 2  | DPB      | 12:20             | 15:20           | 3    | 2          | NW             | 0    | 6           | 2            | 2          | 0     | 0    |                             |
| 21/09/15 | 3  | DPB      | 13:10             | 16:10           | 1    | 3          | N              | 0    | 8           | 2            | 2          | 0     | 0    |                             |
| 21/09/15 | 3  | DPB      | 13:10             | 16:10           | 2    | 2          | N              | 0    | 8           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 3 |
| 21/09/15 | 3  | DPB      | 13:10             | 16:10           | 3    | 2          | N              | 0    | 8           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 3 |
| 29/09/15 | 3  | DPB      | 16:40             | 19:40           | 1    | 2          | SW             | 0    | 1           | 2            | 2          | 0     | 0    |                             |
| 29/09/15 | 3  | DPB      | 16:40             | 19:40           | 2    | 2          | SW             | 0    | 1           | 2            | 2          | 0     | 0    |                             |
| 29/09/15 | 3  | DPB      | 16:40             | 19:40           | 3    | 1          | SW             | 0    | 2           | 2            | 2          | 0     | 0    |                             |
| 09/10/15 | 3  | DPB      | 06:50             | 09:50           | 1    | 4          | S              | 0    | 8           | 2            | 2          | 0     | 0    |                             |

| Date     | VP | Observer | Survey start time | Survey end time | Hour | Wind speed | Wind direction | Rain | Cloud cover | Cloud height | Visibility | Frost | Snow | Notes                         |
|----------|----|----------|-------------------|-----------------|------|------------|----------------|------|-------------|--------------|------------|-------|------|-------------------------------|
| 09/10/15 | 3  | DPB      | 06:50             | 09:50           | 2    | 4          | S              | 0    | 8           | 2            | 2          | 0     | 0    |                               |
| 09/10/15 | 3  | DPB      | 06:50             | 09:50           | 3    | 4          | S              | 0    | 8           | 2            | 2          | 0     | 0    |                               |
| 22/10/15 | 2  | DPB      | 10:45             | 13:45           | 1    | 6          | W              | 2    | 8           | 1            | 1          | 0     | 0    | Gusting to Beaufort Force 7/8 |
| 22/10/15 | 2  | DPB      | 10:45             | 13:45           | 2    | 6          | W              | 0    | 8           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 7/8 |
| 22/10/15 | 2  | DPB      | 10:45             | 13:45           | 3    | 5          | W              | 0    | 7           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 6/7 |
| 22/10/15 | 2  | DPB      | 07:15             | 10:15           | 1    | 6          | W              | 0    | 8           | 1            | 2          | 0     | 0    | Gusting to Beaufort Force 7/8 |
| 22/10/15 | 2  | DPB      | 07:15             | 10:15           | 2    | 6          | W              | 0    | 8           | 1            | 2          | 0     | 0    | Gusting to Beaufort Force 7/8 |
| 22/10/15 | 2  | DPB      | 07:15             | 10:15           | 3    | 6          | W              | 0    | 8           | 1            | 2          | 0     | 0    | Gusting to Beaufort Force 7/8 |
| 26/10/15 | 1  | DPB      | 14:15             | 17:15           | 1    | 5          | SE             | 0    | 4           | 2            | 2          | 0     | 0    |                               |
| 26/10/15 | 1  | DPB      | 14:15             | 17:15           | 2    | 5          | SE             | 0    | 4           | 2            | 2          | 0     | 0    |                               |
| 26/10/15 | 1  | DPB      | 14:15             | 17:15           | 3    | 5          | SE             | 0    | 7           | 2            | 2          | 0     | 0    |                               |
| 26/10/15 | 1  | DPB      | 10:45             | 13:45           | 1    | 4          | SE             | 0    | 2           | 2            | 2          | 0     | 0    |                               |
| 26/10/15 | 1  | DPB      | 10:45             | 13:45           | 2    | 4          | SE             | 0    | 1           | 2            | 2          | 0     | 0    |                               |
| 26/10/15 | 1  | DPB      | 10:45             | 13:45           | 3    | 4          | SE             | 0    | 1           | 2            | 2          | 0     | 0    |                               |
| 28/10/15 | 3  | DPB      | 13:20             | 16:20           | 1    | 5          | SE             | 0    | 8           | 0            | 1          | 0     | 0    | Gusting to Beaufort Force 6   |
| 28/10/15 | 3  | DPB      | 13:20             | 16:20           | 2    | 5          | SE             | 0    | 8           | 0            | 1          | 0     | 0    | Gusting to Beaufort Force 6   |
| 28/10/15 | 3  | DPB      | 13:20             | 16:20           | 3    | 5          | SE             | 0    | 8           | 0            | 1          | 0     | 0    | Gusting to Beaufort Force 6   |
| 10/11/15 | 1  | DPB      | 13:05             | 16:05           | 1    | 4          | W              | 0    | 6           | 2            | 2          | 0     | 0    |                               |
| 10/11/15 | 1  | DPB      | 13:05             | 16:05           | 2    | 4          | W              | 2    | 7           | 2            | 2          | 0     | 0    |                               |

| Date     | VP | Observer | Survey start time | Survey end time | Hour | Wind speed | Wind direction | Rain | Cloud cover | Cloud height | Visibility | Frost | Snow | Notes                         |
|----------|----|----------|-------------------|-----------------|------|------------|----------------|------|-------------|--------------|------------|-------|------|-------------------------------|
| 10/11/15 | 1  | DPB      | 13:05             | 16:05           | 3    | 4          | W              | 2    | 8           | 1            | 2          | 0     | 0    |                               |
| 11/11/15 | 3  | DPB      | 11:20             | 14:20           | 1    | 3          | SW             | 0    | 1           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 4   |
| 11/11/15 | 3  | DPB      | 11:20             | 14:20           | 2    | 3          | SW             | 0    | 2           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 4   |
| 11/11/15 | 3  | DPB      | 11:20             | 14:20           | 3    | 2          | SW             | 0    | 2           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 3   |
| 11/11/15 | 2  | DPB      | 07:10             | 10:10           | 1    | 3          | SW             | 0    | 8           | 2            | 2          | 0     | 0    |                               |
| 11/11/15 | 2  | DPB      | 07:10             | 10:10           | 2    | 3          | SW             | 0    | 4           | 2            | 2          | 0     | 0    |                               |
| 11/11/15 | 2  | DPB      | 07:10             | 10:10           | 3    | 3          | SW             | 0    | 1           | 2            | 2          | 0     | 0    |                               |
| 12/11/15 | 3  | DPB      | 07:15             | 10:15           | 1    | 3          | S              | 0    | 7           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 4   |
| 12/11/15 | 3  | DPB      | 07:15             | 10:15           | 2    | 3          | S              | 0    | 8           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 4   |
| 12/11/15 | 3  | DPB      | 07:15             | 10:15           | 3    | 3          | SW             | 0    | 8           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 4/5 |
| 12/11/15 | 2  | DPB      | 11:20             | 14:20           | 1    | 4          | SW             | 0    | 8           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 5   |
| 12/11/15 | 2  | DPB      | 11:20             | 14:20           | 2    | 5          | SW             | 0    | 8           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 6   |
| 12/11/15 | 2  | DPB      | 11:20             | 14:20           | 3    | 5          | SW             | 0    | 8           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 6   |
| 19/11/15 | 1  | DPB      | 13:30             | 16:30           | 1    | 2          | SW             | 0    | 7           | 2            | 2          | 0     | 0    |                               |
| 19/11/15 | 1  | DPB      | 13:30             | 16:30           | 2    | 2          | SW             | 0    | 7           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 3   |
| 19/11/15 | 1  | DPB      | 13:30             | 16:30           | 3    | 4          | W              | 0    | 8           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 5   |
| 04/12/15 | 3  | DPB      | 08:20             | 11:20           | 1    | 3          | SW             | 0    | 8           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 4   |
| 04/12/15 | 3  | DPB      | 08:20             | 11:20           | 2    | 3          | SW             | 0    | 8           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 4   |
| 04/12/15 | 3  | DPB      | 08:20             | 11:20           | 3    | 4          | SW             | 0    | 8           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 5   |
| 07/12/15 | 3  | DPB      | 12:50             | 15:50           | 1    | 5          | SE             | 0    | 5           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 6   |
| 07/12/15 | 3  | DPB      | 12:50             | 15:50           | 2    | 5          | SE             | 0    | 7           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 6/7 |

| Date     | VP | Observer | Survey start time | Survey end time | Hour | Wind speed | Wind direction | Rain | Cloud cover | Cloud height | Visibility | Frost | Snow | Notes                                      |
|----------|----|----------|-------------------|-----------------|------|------------|----------------|------|-------------|--------------|------------|-------|------|--|
| 07/12/15 | 3  | DPB      | 12:50             | 15:50           | 3    | 5          | SE             | 0    | 8           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 6/7              |
| 08/12/15 | 1  | DPB      | 09:00             | 12:00           | 1    | 4          | SW             | 0    | 2           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 5                |
| 08/12/15 | 1  | DPB      | 09:00             | 12:00           | 2    | 4          | SW             | 0    | 3           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 5                |
| 08/12/15 | 1  | DPB      | 09:00             | 12:00           | 3    | 4          | SW             | 0    | 5           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 5                |
| 08/12/15 | 2  | DPB      | 12:55             | 15:55           | 1    | 4          | SW             | 0    | 7           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 5                |
| 08/12/15 | 2  | DPB      | 12:55             | 15:55           | 2    | 4          | SW             | 0    | 7           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 5                |
| 08/12/15 | 2  | DPB      | 12:55             | 15:55           | 3    | 4          | SW             | 1    | 8           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 5                |
| 11/12/15 | 2  | DPB      | 08:50             | 11:50           | 1    | 4          | SW             | 0    | 8           | 1            | 2          | 1     | 0    | Gusting to Beaufort Force 5                |
| 11/12/15 | 2  | DPB      | 08:50             | 11:50           | 2    | 4          | SW             | 2    | 8           | 1            | 2          | 1     | 0    | Gusting to Beaufort Force 5                |
| 11/12/15 | 2  | DPB      | 08:50             | 11:50           | 3    | 4          | SW             | 0    | 7           | 2            | 2          | 1     | 0    | Gusting to Beaufort Force 5                |
| 14/12/15 | 1  | DPB      | 12:50             | 15:50           | 1    | 1          | SE             | 0    | 4           | 2            | 2          | 2     | 0    |  |
| 14/12/15 | 1  | DPB      | 12:50             | 15:50           | 2    | 1          | SE             | 0    | 4           | 2            | 2          | 2     | 0    |  |
| 14/12/15 | 1  | DPB      | 12:50             | 15:50           | 3    | 1          | SE             | 0    | 7           | 2            | 2          | 2     | 0    |  |
| 14/01/16 | 2  | DPB      | 08:10             | 11:10           | 1    | 3          | NW             | 0    | 4           | 2            | 2          | 2     | 0    | Gusting to Beaufort Force 4                |
| 14/01/16 | 2  | DPB      | 08:10             | 11:10           | 2    | 3          | NW             | 0    | 6           | 2            | 2          | 2     | 0    | Gusting to Beaufort Force 4                |
| 14/01/16 | 2  | DPB      | 08:10             | 11:10           | 3    | 3          | NW             | 2    | 8           | 0            | 1          | 2     | 1    | Gusting to Beaufort Force 4; snow showers. |
| 15/01/16 | 1  | DPB      | 08:20             | 11:20           | 1    | 3          | NW             | 2    | 8           | 0            | 1          | 0     | 1    | Gusting to Beaufort Force 4                |
| 15/01/16 | 1  | DPB      | 08:20             | 11:20           | 2    | 3          | NW             | 0    | 7           | 1            | 2          | 0     | 1    | Gusting to Beaufort Force 4                |
| 15/01/16 | 1  | DPB      | 08:20             | 11:20           | 3    | 3          | NW             | 0    | 7           | 1            | 2          | 0     | 1    | Gusting to Beaufort Force 4                |
| 20/01/16 | 3  | DPB      | 08:15             | 11:15           | 1    | 2          | S              | 0    | 0           | 0            | 2          | 2     | 0    | -10°C                                      |
| 20/01/16 | 3  | DPB      | 08:15             | 11:15           | 2    | 2          | S              | 0    | 0           | 0            | 2          | 2     | 0    |  |

| Date     | VP | Observer | Survey start time | Survey end time | Hour | Wind speed | Wind direction | Rain | Cloud cover | Cloud height | Visibility | Frost | Snow | Notes                       |
|----------|----|----------|-------------------|-----------------|------|------------|----------------|------|-------------|--------------|------------|-------|------|-----------------------------|
| 20/01/16 | 3  | DPB      | 08:15             | 11:15           | 3    | 2          | S              | 0    | 0           | 0            | 2          | 2     | 0    |                             |
| 20/01/16 | 2  | DPB      | 12:20             | 15:20           | 1    | 2          | SE             | 0    | 3           | 2            | 2          | 2     | 0    |                             |
| 20/01/16 | 2  | DPB      | 12:20             | 15:20           | 2    | 2          | SE             | 0    | 4           | 2            | 2          | 2     | 0    |                             |
| 20/01/16 | 2  | DPB      | 12:20             | 15:20           | 3    | 2          | SE             | 0    | 7           | 2            | 2          | 2     | 0    |                             |
| 27/01/16 | 1  | DPB      | 12:20             | 15:20           | 1    | 2          | S              | 0    | 8           | 2            | 2          | 0     | 0    |                             |
| 27/01/16 | 1  | DPB      | 12:20             | 15:20           | 2    | 2          | S              | 0    | 7           | 2            | 2          | 0     | 0    |                             |
| 27/01/16 | 1  | DPB      | 12:20             | 15:20           | 3    | 2          | S              | 2    | 8           | 1            | 2          | 0     | 0    |                             |
| 28/01/16 | 3  | DPB      | 08:40             | 11:40           | 1    | 3          | SW             | 0    | 6           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 4 |
| 28/01/16 | 3  | DPB      | 08:40             | 11:40           | 2    | 3          | SW             | 0    | 6           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 4 |
| 28/01/16 | 3  | DPB      | 08:40             | 11:40           | 3    | 3          | SW             | 2    | 8           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 4 |
| 09/02/16 | 2  | DPB      | 14:25             | 17:25           | 1    | 4          | N              | 0    | 8           | 1            | 2          | 0     | 0    | Gusting to Beaufort Force 5 |
| 09/02/16 | 2  | DPB      | 14:25             | 17:25           | 2    | 4          | N              | 0    | 8           | 1            | 2          | 0     | 0    | Gusting to Beaufort Force 5 |
| 09/02/16 | 2  | DPB      | 14:25             | 17:25           | 3    | 4          | N              | 0    | 8           | 1            | 2          | 0     | 0    | Gusting to Beaufort Force 5 |
| 10/02/16 | 3  | DPB      | 09:25             | 12:25           | 1    | 4          | NW             | 0    | 7           | 2            | 2          | 0     | 0    |                             |
| 10/02/16 | 3  | DPB      | 09:25             | 12:25           | 2    | 4          | NW             | 0    | 7           | 2            | 2          | 0     | 0    |                             |
| 10/02/16 | 3  | DPB      | 09:25             | 12:25           | 3    | 4          | NW             | 0    | 6           | 2            | 2          | 0     | 0    |                             |
| 10/02/16 | 3  | DPB      | 14:30             | 17:30           | 1    | 4          | NW             | 0    | 5           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 5 |
| 10/02/16 | 3  | DPB      | 14:30             | 17:30           | 2    | 4          | NW             | 0    | 4           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 5 |
| 10/02/16 | 3  | DPB      | 14:30             | 17:30           | 3    | 4          | NW             | 0    | 7           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 5 |
| 22/02/16 | 1  | DPB      | 13:10             | 16:10           | 1    | 4          | NW             | 0    | 6           | 2            | 2          | 0     | 0    |                             |
| 22/02/16 | 1  | DPB      | 13:10             | 16:10           | 2    | 4          | NW             | 0    | 7           | 2            | 2          | 0     | 0    |                             |
| 22/02/16 | 1  | DPB      | 13:10             | 16:10           | 3    | 4          | NW             | 0    | 7           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 5 |
| 23/02/16 | 2  | DPB      | 08:45             | 11:45           | 1    | 3          | NW             | 0    | 4           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 4 |



| Date     | VP | Observer | Survey start time | Survey end time | Hour | Wind speed | Wind direction | Rain | Cloud cover | Cloud height | Visibility | Frost | Snow | Notes                       |
|----------|----|----------|-------------------|-----------------|------|------------|----------------|------|-------------|--------------|------------|-------|------|-----------------------------|
| 23/02/16 | 2  | DPB      | 08:45             | 11:45           | 2    | 3          | NW             | 0    | 5           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 4 |
| 23/02/16 | 2  | DPB      | 08:45             | 11:45           | 3    | 4          | NW             | 0    | 7           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 5 |
| 26/02/16 | 1  | DPB      | 06:55             | 09:55           | 1    | 2          | W              | 0    | 8           | 2            | 2          | 1     | 0    |                             |
| 26/02/16 | 1  | DPB      | 06:55             | 09:55           | 2    | 2          | W              | 0    | 7           | 2            | 2          | 1     | 0    |                             |
| 26/02/16 | 1  | DPB      | 06:55             | 09:55           | 3    | 2          | SW             | 0    | 7           | 2            | 2          | 0     | 0    |                             |
| 16/03/16 | 1  | DPB      | 11:10             | 14:10           | 1    | 3          | SE             | 0    | 2           | 2            | 2          | 0     | 0    |                             |
| 16/03/16 | 1  | DPB      | 11:10             | 14:10           | 2    | 3          | SE             | 0    | 3           | 2            | 2          | 0     | 0    |                             |
| 16/03/16 | 1  | DPB      | 11:10             | 14:10           | 3    | 3          | SE             | 0    | 2           | 2            | 2          | 0     | 0    |                             |
| 16/03/16 | 2  | DPB      | 15:00             | 18:00           | 1    | 3          | SE             | 0    | 4           | 2            | 2          | 0     | 0    |                             |
| 16/03/16 | 2  | DPB      | 15:00             | 18:00           | 2    | 3          | SE             | 0    | 4           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 4 |
| 16/03/16 | 2  | DPB      | 15:00             | 18:00           | 3    | 3          | SE             | 0    | 7           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 4 |
| 18/03/16 | 3  | DPB      | 06:10             | 09:10           | 1    | 2          | NE             | 0    | 8           | 1            | 2          | 0     | 0    |                             |
| 18/03/16 | 3  | DPB      | 06:10             | 09:10           | 2    | 2          | NE             | 0    | 8           | 1            | 2          | 0     | 0    |                             |
| 18/03/16 | 3  | DPB      | 06:10             | 09:10           | 3    | 2          | NE             | 0    | 7           | 2            | 2          | 0     | 0    |                             |
| 23/03/16 | 1  | MSc      | 05:45             | 08:45           | 1    | 4          | W              | 0    | 5           | 2            | 2          | 0     | 0    |                             |
| 23/03/16 | 1  | MSc      | 05:45             | 08:45           | 2    | 3          | W              | 1    | 5           | 2            | 2          | 0     | 0    |                             |
| 23/03/16 | 1  | MSc      | 05:45             | 08:45           | 3    | 3          | W              | 1    | 5           | 2            | 2          | 0     | 0    |                             |
| 23/03/16 | 3  | MSc      | 12:00             | 15:00           | 1    | 3          | SW             | 0    | 4           | 2            | 2          | 0     | 0    | 9°C                         |
| 23/03/16 | 3  | MSc      | 12:00             | 15:00           | 2    | 3          | SW             | 0    | 4           | 2            | 2          | 0     | 0    | 9°C                         |
| 23/03/16 | 3  | MSc      | 12:00             | 15:00           | 3    | 3          | SW             | 0    | 3           | 2            | 2          | 0     | 0    | 9°C                         |
| 24/03/16 | 2  | MSc      | 05:40             | 08:40           | 1    | 5          | SW             | 0    | 4           | 2            | 2          | 0     | 0    |                             |
| 24/03/16 | 2  | MSc      | 05:40             | 08:40           | 2    | 5          | SW             | 0    | 4           | 2            | 2          | 0     | 0    |                             |
| 24/03/16 | 2  | MSc      | 05:40             | 08:40           | 3    | 5          | SW             | 0    | 4           | 2            | 2          | 0     | 0    |                             |

| Date  | VP | Observer | Survey start time | Survey end time | Hour | Wind speed | Wind direction | Rain | Cloud cover | Cloud height | Visibility | Frost | Snow | Notes |
|---|----|----------|-------------------|-----------------|------|------------|----------------|------|-------------|--------------|------------|-------|------|-------|
| Key: <ul style="list-style-type: none"> <li>• Observer: CMc = Clare McInroy; DM = Daniel Menendez; DPB = David Butterfield; JB = John Bell; JHo = James Homer; MSc = Martin Scott; TGr = Torcuil Grant; TJS = Tim Sykes</li> <li>• Wind speed: according to Beaufort Scale</li> <li>• Wind direction: according to 16-point compass</li> <li>• Rain: 0 = None; 1 = Drizzle/Mist; 2 = Light showers; 3 = Heavy showers; 4 = Light rain; 5 = Heavy rain</li> <li>• Cloud cover: in eighths of sky (oktas)</li> <li>• Cloud height: 0 = &lt;150 m; 1 = 150-500 m; 2 = &gt;500 m</li> <li>• Visibility: 0 = Poor (&lt;1 km); 1 = Moderate (1-2 km); 2 = Good (&gt;2 km)</li> <li>• Frost: 0 = None; 1 = Ground frost; 2 = All day frost</li> <li>• Snow: 0 = None; 1 = On site; 2 = On high ground</li> </ul> |    |          |                   |                 |      |            |                |      |             |              |            |       |      |       |

### 1.1.2.2 Moorland Breeding Bird Survey

Details of hourly weather conditions recorded during the 2015 Moorland Breeding Bird Survey (April to July inclusive) are presented in Table A8.3.8.

Table A8.3.8: Hourly Weather Conditions Recorded during the 2015 Moorland Breeding Bird Surveys

| Date     | Observer | Survey start time | Survey end time | Hour | Wind speed | Wind direction | Rain | Cloud cover | Cloud height | Visibility | Frost | Snow | Notes |
|----------|----------|-------------------|-----------------|------|------------|----------------|------|-------------|--------------|------------|-------|------|-------|
| 20/04/15 | JHo      | 09:30             | 18:00           | 1    | 1          | NW             | 0    | 1           | 2            | 2          | 0     | 0    |       |
| 20/04/15 | JHo      | 09:30             | 18:00           | 2    | 1          | NW             | 0    | 1           | 2            | 2          | 0     | 0    |       |
| 20/04/15 | JHo      | 09:30             | 18:00           | 3    | 1          | NW             | 0    | 1           | 2            | 2          | 0     | 0    |       |
| 20/04/15 | JHo      | 09:30             | 18:00           | 4    | 2          | SE             | 0    | 1           | 2            | 2          | 0     | 0    |       |
| 20/04/15 | JHo      | 09:30             | 18:00           | 5    | 3          | SE             | 0    | 3           | 2            | 2          | 0     | 0    |       |
| 20/04/15 | JHo      | 09:30             | 18:00           | 6    | 3          | SE             | 0    | 3           | 2            | 2          | 0     | 0    |       |

| Date     | Observer | Survey start time | Survey end time | Hour | Wind speed | Wind direction | Rain | Cloud cover | Cloud height | Visibility | Frost | Snow | Notes                                    |
|----------|----------|-------------------|-----------------|------|------------|----------------|------|-------------|--------------|------------|-------|------|--|
| 20/04/15 | JHo      | 09:30             | 18:00           | 7    | 3          | NW             | 0    | 5           | 2            | 2          | 0     | 0    |  |
| 20/04/15 | JHo      | 09:30             | 18:00           | 8    | 3          | NW             | 0    | 6           | 2            | 2          | 0     | 0    |  |
| 23/04/15 | JHo      | 08:30             | 15:30           | 1    | 4          | W              | 0    | 8           | 2            | 2          | 0     | 0    |  |
| 23/04/15 | JHo      | 08:30             | 15:30           | 2    | 4          | W              | 0    | 6           | 2            | 2          | 0     | 0    | Occasionally gusting to Beaufort Force 5 |
| 23/04/15 | JHo      | 08:30             | 15:30           | 3    | 4          | W              | 0    | 7           | 2            | 2          | 0     | 0    | Occasionally gusting to Beaufort Force 5 |
| 23/04/15 | JHo      | 08:30             | 15:30           | 4    | 4          | W              | 0    | 7           | 2            | 2          | 0     | 0    | Occasionally gusting to Beaufort Force 5 |
| 23/04/15 | JHo      | 08:30             | 15:30           | 5    | 4          | W              | 0    | 7           | 2            | 2          | 0     | 0    | Occasionally gusting to Beaufort Force 5 |
| 23/04/15 | JHo      | 08:30             | 15:30           | 6    | 4          | W              | 0    | 6           | 2            | 2          | 0     | 0    | Occasionally gusting to Beaufort Force 5 |
| 23/04/15 | JHo      | 08:30             | 15:30           | 7    | 4          | W              | 0    | 8           | 2            | 2          | 0     | 0    | Occasionally gusting to Beaufort Force 5 |
| 23/04/15 | JHo      | 08:30             | 15:30           | 8    | 4          | W              | 0    | 8           | 2            | 2          | 0     | 0    | Light showers at end of survey           |
| 23/04/15 | DM       | 08:55             | 16:05           | 1    | 4          | W              | 0    | 8           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 5              |
| 23/04/15 | DM       | 08:55             | 16:05           | 2    | 4          | W              | 0    | 8           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 5              |
| 23/04/15 | DM       | 08:55             | 16:05           | 3    | 4          | W              | 0    | 7           | 2            | 2          | 0     | 0    |  |
| 23/04/15 | DM       | 08:55             | 16:05           | 4    | 4          | W              | 0    | 5           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 5              |
| 23/04/15 | DM       | 08:55             | 16:05           | 5    | 4          | W              | 0    | 7           | 2            | 2          | 0     | 0    |  |
| 23/04/15 | DM       | 08:55             | 16:05           | 6    | 4          | W              | 0    | 8           | 2            | 2          | 0     | 0    |  |
| 23/04/15 | DM       | 08:55             | 16:05           | 7    | 4          | W              | 0    | 8           | 2            | 2          | 0     | 0    |  |
| 23/04/15 | DM       | 08:55             | 16:05           | 8    | 4          | W              | 1    | 8           | 2            | 2          | 0     | 0    |  |
| 29/05/15 | JHo      | 13:00             | 15:30           | 1    | 3          | W              | 0    | 4           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 4              |

| Date     | Observer | Survey start time | Survey end time | Hour | Wind speed | Wind direction | Rain | Cloud cover | Cloud height | Visibility | Frost | Snow | Notes   |
|----------|----------|-------------------|-----------------|------|------------|----------------|------|-------------|--------------|------------|-------|------|---|
| 29/05/15 | JHo      | 13:00             | 15:30           | 2    | 3          | W              | 0    | 6           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 4                           |
| 29/05/15 | JHo      | 13:00             | 15:30           | 3    | 2          | W              | 0    | 4           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 3                           |
| 29/05/15 | JHo      | 18:30             | 20:00           | 1    | 3          | W              | 0    | 5           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 4                           |
| 29/05/15 | JHo      | 18:30             | 20:00           | 2    | 3          | W              | 2    | 5           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 4                           |
| 30/05/15 | JHo      | 10:00             | 12:45           | 1    | 2          | NW             | 0    | 4           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 3                           |
| 30/05/15 | JHo      | 10:00             | 12:45           | 2    | 2          | NW             | 0    | 8           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 3;<br>light rain from 11:40 |
| 30/05/15 | JHo      | 10:00             | 12:45           | 3    | 2          | NW             | 2    | 8           | 2            | 2          | 0     | 0    | Rain until 12:15.                                     |
| 30/05/15 | JHo      | 15:45             | 17:00           | 1    | 2          | NW             | 0    | 6           | 2            | 2          | 0     | 0    |   |
| 30/05/15 | JHo      | 15:45             | 17:00           | 2    | 2          | NW             | 0    | 6           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 3                           |
| 30/05/15 | DM       | 11:25             | 17:00           | 1    | 2          | NW             | 1    | 7           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 3;<br>11°C                  |
| 30/05/15 | DM       | 11:25             | 17:00           | 2    | 2          | N              | 0    | 7           | 2            | 2          | 0     | 0    |   |
| 30/05/15 | DM       | 11:25             | 17:00           | 3    | 3          | NW             | 0    | 4           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 4                           |
| 30/05/15 | DM       | 11:25             | 17:00           | 4    | 3          | NW             | 0    | 7           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 4                           |
| 30/05/15 | DM       | 11:25             | 17:00           | 5    | 4          | NW             | 0    | 5           | 2            | 2          | 0     | 0    |   |
| 30/05/15 | DM       | 11:25             | 17:00           | 6    | 4          | NW             | 0    | 3           | 2            | 2          | 0     | 0    | 10°C  |
| 09/06/15 | JHo      | 10:00             | 16:30           | 1    | 2          | SW             | 0    | 7           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 3                           |
| 09/06/15 | JHo      | 10:00             | 16:30           | 2    | 1          | SW             | 0    | 7           | 2            | 2          | 0     | 0    |   |
| 09/06/15 | JHo      | 10:00             | 16:30           | 3    | 2          | NW             | 0    | 7           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 3                           |
| 09/06/15 | JHo      | 10:00             | 16:30           | 4    | 3          | NW             | 0    | 7           | 2            | 2          | 0     | 0    | 16°C  |
| 09/06/15 | JHo      | 10:00             | 16:30           | 5    | 3          | NW             | 0    | 8           | 2            | 2          | 0     | 0    |   |
| 09/06/15 | JHo      | 10:00             | 16:30           | 6    | 3          | NW             | 0    | 8           | 2            | 2          | 0     | 0    |   |

| Date     | Observer | Survey start time | Survey end time | Hour | Wind speed | Wind direction | Rain | Cloud cover | Cloud height | Visibility | Frost | Snow | Notes                       |
|----------|----------|-------------------|-----------------|------|------------|----------------|------|-------------|--------------|------------|-------|------|-----------------------------|
| 09/06/15 | JHo      | 10:00             | 16:30           | 7    | 2          | NW             | 0    | 7           | 2            | 2          | 0     | 0    |                             |
| 10/06/15 | JHo      | 10:45             | 12:35           | 1    | 2          | NW             | 0    | 6           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 3 |
| 10/06/15 | JHo      | 10:45             | 12:35           | 2    | 2          | SW             | 0    | 6           | 2            | 2          | 0     | 0    |                             |
| 10/06/15 | JHo      | 15:35             | 19:30           | 1    | 3          | NW             | 0    | 6           | 2            | 2          | 0     | 0    |                             |
| 10/06/15 | JHo      | 15:35             | 19:30           | 2    | 2          | NW             | 0    | 6           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 3 |
| 10/06/15 | JHo      | 15:35             | 19:30           | 3    | 2          | NW             | 0    | 6           | 2            | 2          | 0     | 0    |                             |
| 10/06/15 | JHo      | 15:35             | 19:30           | 4    | 2          | NW             | 0    | 5           | 2            | 2          | 0     | 0    |                             |
| 26/07/15 | TJS      | 08:30             | 17:45           | 1    | 2          | E              | 0    | 5           | 2            | 2          | 0     | 0    | 13°C                        |
| 26/07/15 | TJS      | 08:30             | 17:45           | 2    | 2          | E              | 0    | 6           | 2            | 2          | 0     | 0    | 13°C                        |
| 26/07/15 | TJS      | 08:30             | 17:45           | 3    | 3          | E              | 0    | 7           | 2            | 2          | 0     | 0    | 14°C                        |
| 26/07/15 | TJS      | 08:30             | 17:45           | 4    | 3          | E              | 0    | 7           | 2            | 2          | 0     | 0    | 16°C                        |
| 26/07/15 | TJS      | 08:30             | 17:45           | 5    | 3          | E              | 0    | 7           | 2            | 2          | 0     | 0    | 16°C                        |
| 26/07/15 | TJS      | 08:30             | 17:45           | 6    | 3          | E              | 0    | 7           | 2            | 2          | 0     | 0    | 16°C                        |
| 26/07/15 | TJS      | 08:30             | 17:45           | 7    | 4          | E              | 0    | 6           | 2            | 2          | 0     | 0    | 15°C                        |
| 26/07/15 | TJS      | 08:30             | 17:45           | 8    | 3          | E              | 0    | 7           | 2            | 2          | 0     | 0    | 15°C                        |
| 26/07/15 | TJS      | 08:30             | 17:45           | 9    | 3          | E              | 0    | 7           | 2            | 2          | 0     | 0    | 15°C                        |
| 27/07/15 | TJS      | 10:00             | 15:30           | 1    | 1          | E              | 0    | 8           | 2            | 2          | 0     | 0    | 13°C                        |
| 27/07/15 | TJS      | 10:00             | 15:30           | 2    | 2          | E              | 0    | 7           | 2            | 2          | 0     | 0    | 13°C                        |
| 27/07/15 | TJS      | 10:00             | 15:30           | 3    | 2          | E              | 0    | 7           | 2            | 2          | 0     | 0    | 13°C                        |
| 27/07/15 | TJS      | 10:00             | 15:30           | 4    | 3          | E              | 0    | 7           | 2            | 2          | 0     | 0    | 14°C                        |
| 27/07/15 | TJS      | 10:00             | 15:30           | 5    | 3          | E              | 0    | 7           | 2            | 2          | 0     | 0    | 14°C                        |
| 27/07/15 | TJS      | 10:00             | 15:30           | 6    | 1          | E              | 0    | 6           | 2            | 2          | 0     | 0    | 13°C                        |

| Date   | Observer | Survey start time | Survey end time | Hour | Wind speed | Wind direction | Rain | Cloud cover | Cloud height | Visibility | Frost | Snow | Notes |
|--|----------|-------------------|-----------------|------|------------|----------------|------|-------------|--------------|------------|-------|------|-------|
| <p>Key:</p> <ul style="list-style-type: none"> <li>• Observer: Daniel Menendez; JHo = James Homer; TJS = Tim Sykes</li> <li>• Wind speed: according to Beaufort Scale</li> <li>• Wind direction: according to 16-point compass</li> <li>• Rain: 0 = None; 1 = Drizzle/Mist; 2 = Light showers; 3 = Heavy showers; 4 = Light rain; 5 = Heavy rain</li> <li>• Cloud cover: in eighths of sky (oktas)</li> <li>• Cloud height: 0 = &lt;150 m; 1 = 150-500 m; 2 = &gt;500 m</li> <li>• Visibility: 0 = Poor (&lt;1 km); 1 = Moderate (1-2 km); 2 = Good (&gt;2 km)</li> <li>• Frost: 0 = None; 1 = Ground frost; 2 = All day frost</li> <li>• Snow: 0 = None; 1 = On site; 2 = On high ground</li> </ul> |          |                   |                 |      |            |                |      |             |              |            |       |      |       |

### 1.1.2.3 Breeding Raptor Surveys

Details of hourly weather conditions recorded during the 2015 Breeding Raptor Surveys (April to August inclusive) are presented in Table A8.3.9.

Table A8.3.9: Hourly Weather Conditions Recorded during the 2015 Breeding Raptor Surveys

| Date     | Observer | Survey start time | Survey end time | Hour | Wind speed | Wind direction | Rain | Cloud cover | Cloud height | Visibility | Frost | Snow | Notes       |
|----------|----------|-------------------|-----------------|------|------------|----------------|------|-------------|--------------|------------|-------|------|-------------|
| 01/04/15 | CMc      | 13:30             | 16:30           | 1    | 6          | S              | 2    | 5           | 1            | 2          | 0     | 0    | Hail; 5-8°C |
| 01/04/15 | CMc      | 13:30             | 16:30           | 2    | 6          | S              | 2    | 6           | 1            | 2          | 0     | 0    | Hail        |
| 01/04/15 | CMc      | 13:30             | 16:30           | 3    | 6          | S              | 2    | 5           | 1            | 2          | 0     | 0    | Hail        |
| 02/04/15 | CMc      | 14:45             | 17:45           | 1    | 2          | SW             | 0    | 1           | 1            | 2          | 0     | 0    | Warm; 8°C   |
| 02/04/15 | CMc      | 14:45             | 17:45           | 2    | 2          | SW             | 0    | 1           | 1            | 2          | 0     | 0    |             |
| 02/04/15 | CMc      | 14:45             | 17:45           | 3    | 2          | SW             | 0    | 1           | 1            | 2          | 0     | 0    |             |
| 03/04/15 | CMc      | 10:15             | 13:15           | 1    | 4          | W              | 1    | 8           | 0            | 2          | 0     | 0    | 4°C         |

| Date     | Observer | Survey start time | Survey end time | Hour | Wind speed | Wind direction | Rain | Cloud cover | Cloud height | Visibility | Frost | Snow | Notes                            |
|----------|----------|-------------------|-----------------|------|------------|----------------|------|-------------|--------------|------------|-------|------|----------------------------------|
| 03/04/15 | CMc      | 10:15             | 13:15           | 2    | 4          | W              | 2    | 8           | 0            | 2          | 0     | 0    |                                  |
| 03/04/15 | CMc      | 10:15             | 13:15           | 3    | 4          | W              | 1    | 8           | 0            | 2          | 0     | 0    |                                  |
| 08/04/15 | JHo      | 09:45             | 11:45           | 1    | 2          | SW             | 0    | 7           | 2            | 2          | 0     | 0    | 7°C; gusting to Beaufort Force 3 |
| 08/04/15 | JHo      | 09:45             | 11:45           | 2    | 2          | SW             | 0    | 6           | 2            | 2          | 0     | 0    | 10°C                             |
| 09/04/15 | JHo      | 10:00             | 15:30           | 1    | 2          | SW             | 0    | 1           | 2            | 2          | 0     | 0    | 11°C                             |
| 09/04/15 | JHo      | 10:00             | 15:30           | 2    | 2          | W              | 0    | 0           | 2            | 2          | 0     | 0    |                                  |
| 09/04/15 | JHo      | 10:00             | 15:30           | 3    | 2          | W              | 0    | 1           | 2            | 2          | 0     | 0    |                                  |
| 09/04/15 | JHo      | 10:00             | 15:30           | 4    | 2          | NW             | 0    | 1           | 2            | 2          | 0     | 0    |                                  |
| 09/04/15 | JHo      | 10:00             | 15:30           | 5    | 2          | N              | 0    | 1           | 2            | 2          | 0     | 0    |                                  |
| 09/04/15 | JHo      | 10:00             | 15:30           | 6    | 2          | N              | 0    | 1           | 2            | 2          | 0     | 0    | 9°C                              |
| 17/04/15 | JHo      | 09:00             | 13:30           | 1    | 0          | N              | 0    | 1           | 2            | 2          | 0     | 0    | 7°C                              |
| 17/04/15 | JHo      | 09:00             | 13:30           | 2    | 0          | NW             | 0    | 4           | 2            | 2          | 0     | 0    | 8°C                              |
| 17/04/15 | JHo      | 09:00             | 13:30           | 3    | 0          | N              | 0    | 4           | 2            | 2          | 0     | 0    | 9°C                              |
| 17/04/15 | JHo      | 09:00             | 13:30           | 4    | 4          | N              | 0    | 4           | 2            | 2          | 0     | 0    | 10°C                             |
| 17/04/15 | JHo      | 09:00             | 13:30           | 5    | 3          | NE             | 0    | 4           | 2            | 2          | 0     | 0    | 13°C                             |
| 13/05/15 | JHo      | 11:00             | 18:15           | 1    | 3          | N              | 0    | 7           | 2            | 2          | 0     | 0    | 11°C                             |
| 13/05/15 | JHo      | 11:00             | 18:15           | 2    | 3          | N              | 0    | 5           | 2            | 2          | 0     | 0    | 12°C                             |
| 13/05/15 | JHo      | 11:00             | 18:15           | 3    | 2          | N              | 0    | 8           | 2            | 2          | 0     | 0    |                                  |
| 13/05/15 | JHo      | 11:00             | 18:15           | 4    | 2          | N              | 0    | 7           | 2            | 2          | 0     | 0    |                                  |
| 13/05/15 | JHo      | 11:00             | 18:15           | 5    | 2          | N              | 0    | 8           | 2            | 2          | 0     | 0    | 14°C                             |
| 13/05/15 | JHo      | 11:00             | 18:15           | 6    | 2          | NE             | 0    | 8           | 2            | 2          | 0     | 0    | 13°C                             |
| 13/05/15 | JHo      | 11:00             | 18:15           | 7    | 2          | NE             | 0    | 8           | 2            | 2          | 0     | 0    | 11°C                             |
| 13/05/15 | JHo      | 11:00             | 18:15           | 8    | 2          | NE             | 0    | 5           | 2            | 2          | 0     | 0    |                                  |

| Date     | Observer | Survey start time | Survey end time | Hour | Wind speed | Wind direction | Rain | Cloud cover | Cloud height | Visibility | Frost | Snow | Notes   |
|----------|----------|-------------------|-----------------|------|------------|----------------|------|-------------|--------------|------------|-------|------|---|
| 14/05/15 | JHo      | 12:00             | 17:00           | 1    | 2          | S              | 0    | 4           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 3; 15°C                     |
| 14/05/15 | JHo      | 12:00             | 17:00           | 2    | 2          | S              | 0    | 4           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 3                           |
| 14/05/15 | JHo      | 12:00             | 17:00           | 3    | 2          | SE             | 0    | 4           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 4; 18°C                     |
| 14/05/15 | JHo      | 12:00             | 17:00           | 4    | 2          | SE             | 0    | 3           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 3; 17°C                     |
| 14/05/15 | JHo      | 12:00             | 17:00           | 5    | 2          | SE             | 0    | 2           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 3; 16°C                     |
| 14/05/15 | JHo      | 12:00             | 17:00           | 6    | 2          | SE             | 0    | 1           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 3                           |
| 11/06/15 | JHo      | 13:30             | 20:30           | 1    | 2          | NW             | 0    | 7           | 2            | 2          | 0     | 0    |   |
| 11/06/15 | JHo      | 13:30             | 20:30           | 2    | 2          | NW             | 0    | 8           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 3                           |
| 11/06/15 | JHo      | 13:30             | 20:30           | 3    | 2          | NW             | 0    | 7           | 2            | 2          | 0     | 0    |   |
| 11/06/15 | JHo      | 13:30             | 20:30           | 4    | 2          | NW             | 0    | 8           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 3                           |
| 11/06/15 | JHo      | 13:30             | 20:30           | 5    | 2          | NW             | 0    | 8           | 2            | 2          | 0     | 0    |   |
| 11/06/15 | JHo      | 13:30             | 20:30           | 6    | 1          | NW             | 0    | 8           | 2            | 2          | 0     | 0    |   |
| 01/07/15 | JHo      | 15:00             | 19:30           | 1    | 3          | SE             | 0    | 8           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 4/5; 22°C                   |
| 01/07/15 | JHo      | 15:00             | 19:30           | 2    | 3          | SE             | 2    | 8           | 2            | 2          | 0     | 0    |   |
| 01/07/15 | JHo      | 15:00             | 19:30           | 3    | 4          | SE             | 2    | 8           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 5                           |
| 01/07/15 | JHo      | 15:00             | 19:30           | 4    | 4          | SE             | 0    | 8           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 5                           |
| 01/07/15 | JHo      | 15:00             | 19:30           | 5    | 5          | SE             | 0    | 8           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 6                           |
| 02/07/15 | JHo      | 11:00             | 17:00           | 1    | 3          | N              | 0    | 6           | 2            | 1          | 0     | 0    | Sea fog 1 km inland; light haze everywhere; 18°       |
| 02/07/15 | JHo      | 11:00             | 17:00           | 2    | 3          | N              | 0    | 6           | 2            | 0          | 0     | 0    | Sea fog as before - extended over whole site by 12:17 |



| Date     | Observer | Survey start time | Survey end time | Hour | Wind speed | Wind direction | Rain | Cloud cover | Cloud height | Visibility | Frost | Snow | Notes  |
|----------|----------|-------------------|-----------------|------|------------|----------------|------|-------------|--------------|------------|-------|------|--|
| 02/07/15 | JHo      | 11:00             | 17:00           | 3    | 3          | NW             | 0    | 7           | 0            | 0          | 0     | 0    | Sea fog over whole site                                  |
| 02/07/15 | JHo      | 11:00             | 17:00           | 4    | 2          | NW             | 1    | 8           | 1            | 1          | 0     | 0    | Sea fog over northern area; gusting to Beaufort Force 53 |
| 02/07/15 | JHo      | 11:00             | 17:00           | 5    | 2          | N              | 0    | 8           | 1            | 1          | 0     | 0    | Visibility reduced to 100 m at 15:27                     |
| 02/07/15 | JHo      | 11:00             | 17:00           | 6    | 2          | N              | 1    | 8           | 0            | 0          | 0     | 0    | Visibility increased to 2 km at 16:48                    |
| 02/07/15 | JHo      | 11:00             | 17:00           | 7    | 2          | N              | 1    | 8           | 0            | 1          | 0     | 0    |  |
| 07/07/15 | JHo      | 09:30             | 12:45           | 1    | 3          | N              | 2    | 7           | 2            | 1          | 0     | 0    |  |
| 07/07/15 | JHo      | 09:30             | 12:45           | 2    | 3          | N              | 2    | 6           | 2            | 2          | 0     | 0    | Gusting 4; heavy shower 10:45.                           |
| 07/07/15 | JHo      | 09:30             | 12:45           | 3    | 3          | N              | 2    | 6           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 4                              |
| 07/07/15 | JHo      | 09:30             | 12:45           | 4    | 4          | N              | 2    | 6           | 2            | 2          | 0     | 0    |  |
| 07/07/15 | JHo      | 15:45             | 17:45           | 1    | 4          | N              | 2    | 6           | 2            | 2          | 0     | 0    |  |
| 07/07/15 | JHo      | 15:45             | 17:45           | 2    | 3          | N              | 2    | 6           | 2            | 2          | 0     | 0    |  |
| 19/08/15 | JHo      | 10:30             | 13:15           | 1    | 2          | SE             | 0    | 8           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 3; 15°C                        |
| 19/08/15 | JHo      | 10:30             | 13:15           | 2    | 2          | SE             | 1    | 8           | 1            | 2          | 0     | 0    | Gusting to Beaufort Force 3                              |
| 19/08/15 | JHo      | 10:30             | 13:15           | 3    | 3          | SE             | 1    | 8           | 1            | 2          | 0     | 0    | Gusting to Beaufort Force 4                              |
| 19/08/15 | JHo      | 16:15             | 18:15           | 1    | 2          | SE             | 0    | 6           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 3                              |
| 19/08/15 | JHo      | 16:15             | 18:15           | 2    | 2          | SE             | 0    | 4           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 3                              |
| 19/08/15 | JHo      | 16:15             | 18:15           | 3    | 1          | SE             | 0    | 3           | 2            | 0          | 0     | 0    | Gusting to Beaufort Force 2                              |
| 20/08/15 | JHo      | 13:00             | 17:00           | 1    | 3          | SE             | 0    | 5           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 4                              |
| 20/08/15 | JHo      | 13:00             | 17:00           | 2    | 3          | SE             | 0    | 5           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 4                              |
| 20/08/15 | JHo      | 13:00             | 17:00           | 3    | 3          | E              | 0    | 8           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 4                              |

| Date     | Observer | Survey start time | Survey end time | Hour | Wind speed | Wind direction | Rain | Cloud cover | Cloud height | Visibility | Frost | Snow | Notes                       |
|----------|----------|-------------------|-----------------|------|------------|----------------|------|-------------|--------------|------------|-------|------|-----------------------------|
| 20/08/15 | JHo      | 13:00             | 17:00           | 4    | 2          | E              | 0    | 8           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 3 |
| 20/08/15 | JHo      | 13:00             | 17:00           | 5    | 3          | E              | 0    | 6           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 4 |
| 24/08/15 | DM       | 09:00             | 10:15           | 1    | 4          | SE             | 0    | 7           | 2            | 2          | 0     | 0    |                             |
| 24/08/15 | DM       | 09:00             | 10:15           | 2    | 4          | SE             | 0    | 8           | 2            | 2          | 0     | 0    |                             |

Key:

- Observer: CMc = Clare McInroy; DM = Daniel Menendez; JHo = James Homer
- Wind speed: according to Beaufort Scale
- Wind direction: according to 16-point compass
- Rain: 0 = None; 1 = Drizzle/Mist; 2 = Light showers; 3 = Heavy showers; 4 = Light rain; 5 = Heavy rain
- Cloud cover: in eighths of sky (oktas)
- Cloud height: 0 = <150 m; 1 = 150-500 m; 2 = >500 m
- Visibility: 0 = Poor (<1 km); 1 = Moderate (1-2 km); 2 = Good (>2 km)
- Frost: 0 = None; 1 = Ground frost; 2 = All day frost
- Snow: 0 = None; 1 = On site; 2 = On high ground

#### 1.1.2.4 Breeding Diver Surveys

Details of hourly weather conditions recorded during the 2015 Breeding Diver Surveys (May to August inclusive) are presented in Table A8.3.10.

Table A8.3.10: Hourly Weather Conditions Recorded during the 2015 Breeding Diver Surveys

| Date     | Observer | Survey start time | Survey end time | Hour | Wind speed | Wind direction | Rain | Cloud cover | Cloud height | Visibility | Frost | Snow | Notes |
|----------|----------|-------------------|-----------------|------|------------|----------------|------|-------------|--------------|------------|-------|------|-------|
| 13/05/15 | JHo      | 11:00             | 18:15           | 1    | 3          | N              | 0    | 7           | 2            | 2          | 0     | 0    | 11°C  |
| 13/05/15 | JHo      | 11:00             | 18:15           | 2    | 3          | N              | 0    | 5           | 2            | 2          | 0     | 0    |       |
| 13/05/15 | JHo      | 11:00             | 18:15           | 3    | 2          | N              | 0    | 8           | 2            | 2          | 0     | 0    |       |

| Date     | Observer | Survey start time | Survey end time | Hour | Wind speed | Wind direction | Rain | Cloud cover | Cloud height | Visibility | Frost | Snow | Notes                       |
|----------|----------|-------------------|-----------------|------|------------|----------------|------|-------------|--------------|------------|-------|------|-----------------------------|
| 13/05/15 | JHo      | 11:00             | 18:15           | 4    | 2          | N              | 0    | 7           | 2            | 2          | 0     | 0    |                             |
| 13/05/15 | JHo      | 11:00             | 18:15           | 5    | 2          | N              | 0    | 8           | 2            | 2          | 0     | 0    | 14°C                        |
| 13/05/15 | JHo      | 11:00             | 18:15           | 6    | 2          | NE             | 0    | 8           | 2            | 2          | 0     | 0    |                             |
| 13/05/15 | JHo      | 11:00             | 18:15           | 7    | 2          | NE             | 0    | 8           | 2            | 2          | 0     | 0    |                             |
| 13/05/15 | JHo      | 11:00             | 18:15           | 8    | 2          | NE             | 0    | 5           | 2            | 2          | 0     | 0    | 11°C                        |
| 14/05/15 | JHo      | 12:00             | 17:00           | 1    | 2          | S              | 0    | 4           | 2            | 2          | 0     | 0    |                             |
| 14/05/15 | JHo      | 12:00             | 17:00           | 2    | 2          | S              | 0    | 4           | 2            | 2          | 0     | 0    |                             |
| 14/05/15 | JHo      | 12:00             | 17:00           | 3    | 2          | SE             | 0    | 4           | 2            | 2          | 0     | 0    |                             |
| 14/05/15 | JHo      | 12:00             | 17:00           | 4    | 2          | SE             | 0    | 3           | 2            | 2          | 0     | 0    |                             |
| 14/05/15 | JHo      | 12:00             | 17:00           | 5    | 2          | SE             | 0    | 2           | 2            | 2          | 0     | 0    |                             |
| 14/05/15 | JHo      | 12:00             | 17:00           | 6    | 2          | SE             | 0    | 1           | 2            | 2          | 0     | 0    |                             |
| 29/05/15 | JHo      | 12:30             | 13:30           | 1    | 2          | NW             | 0    | 3           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 3 |
| 29/05/15 | JHo      | 12:30             | 13:30           | 2    | 2          | NW             | 0    | 3           | 2            | 2          | 0     | 0    |                             |
| 29/05/15 | DM       | 14:50             | 17:45           | 1    | 3          | NW             | 0    | 3           | 2            | 2          | 0     | 0    | 11°C                        |
| 29/05/15 | DM       | 14:50             | 17:45           | 2    | 2          | NW             | 0    | 2           | 2            | 2          | 0     | 0    | 11°C                        |
| 29/05/15 | DM       | 14:50             | 17:45           | 3    | 3          | NW             | 0    | 3           | 2            | 2          | 0     | 0    | 11°C                        |
| 10/06/15 | JHo      | 19:50             | 22:20           | 1    | 2          | NW             | 0    | 6           | 2            | 2          | 0     | 0    |                             |
| 10/06/15 | JHo      | 19:50             | 22:20           | 2    | 2          | NW             | 0    | 6           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 3 |
| 10/06/15 | JHo      | 19:50             | 22:20           | 3    | 2          | NW             | 0    | 6           | 2            | 2          | 0     | 0    |                             |
| 11/06/15 | JHo      | 13:30             | 20:30           | 1    | 2          | NW             | 0    | 7           | 2            | 2          | 0     | 0    |                             |
| 11/06/15 | JHo      | 13:30             | 20:30           | 2    | 2          | NW             | 0    | 8           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 3 |
| 11/06/15 | JHo      | 13:30             | 20:30           | 3    | 2          | NW             | 0    | 7           | 2            | 2          | 0     | 0    |                             |
| 11/06/15 | JHo      | 13:30             | 20:30           | 4    | 2          | NW             | 0    | 8           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 3 |

| Date  | Observer | Survey start time | Survey end time | Hour | Wind speed | Wind direction | Rain | Cloud cover | Cloud height | Visibility | Frost | Snow | Notes                       |
|---|----------|-------------------|-----------------|------|------------|----------------|------|-------------|--------------|------------|-------|------|-----------------------------|
| 11/06/15  | JHo      | 13:30             | 20:30           | 5    | 2          | NW             | 0    | 8           | 2            | 2          | 0     | 0    |                             |
| 11/06/15  | JHo      | 13:30             | 20:30           | 6    | 1          | NW             | 0    | 8           | 2            | 2          | 0     | 0    |                             |
| 11/06/15  | JHo      | 13:30             | 20:30           | 7    | 1          | NW             | 0    | 8           | 2            | 2          | 0     | 0    |                             |
| 30/06/15  | JHo      | 17:16             | 20:00           | 1    | 3          | SE             | 0    | 4           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 4 |
| 30/06/15  | JHo      | 17:16             | 20:00           | 2    | 3          | SE             | 0    | 6           | 2            | 2          | 0     | 0    |                             |
| 30/06/15  | JHo      | 17:16             | 20:00           | 3    | 4          | SE             | 0    | 6           | 2            | 2          | 0     | 0    |                             |
| 02/07/15  | JHo      | 14:00             | 16:00           | 1    | 2          | NW             | 1    | 8           | 1            | 1          | 0     | 0    |                             |
| 02/07/15  | JHo      | 14:00             | 16:00           | 2    | 2          | N              | 0    | 8           | 1            | 1          | 0     | 0    |                             |
| 03/07/15  | JHo      | 08:00             | 09:15           | 1    | 2          | SW             | 0    | 2           | 2            | 2          | 0     | 0    |                             |
| 03/07/15  | JHo      | 08:00             | 09:15           | 2    | 2          | SW             | 0    | 2           | 2            | 2          | 0     | 0    |                             |
| 06/08/15  | JHo      | 15:30             | 17:10           | 1    | 2          | NW             | 0    | 4           | 2            | 2          | 0     | 0    |                             |
| 06/08/15  | JHo      | 15:30             | 17:10           | 2    | 2          | NW             | 0    | 6           | 2            | 2          | 0     | 0    |                             |
| 19/08/15  | JHo      | 12:47             | 13:15           | 1    | 3          | SE             | 1    | 8           | 1            | 2          | 0     | 0    | Gusting to Beaufort Force 4 |
| 19/08/15  | JHo      | 16:15             | 16:50           | 1    | 2          | SE             | 0    | 6           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 3 |
| Key: <ul style="list-style-type: none"> <li>• Observer: DM = Daniel Menendez; JHo = James Homer</li> <li>• Wind speed: according to Beaufort Scale</li> <li>• Wind direction: according to 16-point compass</li> <li>• Rain: 0 = None; 1 = Drizzle/Mist; 2 = Light showers; 3 = Heavy showers; 4 = Light rain; 5 = Heavy rain</li> <li>• Cloud cover: in eighths of sky (oktas)</li> <li>• Cloud height: 0 = &lt;150 m; 1 = 150-500 m; 2 = &gt;500 m</li> <li>• Visibility: 0 = Poor (&lt;1 km); 1 = Moderate (1-2 km); 2 = Good (&gt;2 km)</li> <li>• Frost: 0 = None; 1 = Ground frost; 2 = All day frost</li> <li>• Snow: 0 = None; 1 = On site; 2 = On high ground</li> </ul> |          |                   |                 |      |            |                |      |             |              |            |       |      |                             |

1.1.2.5 Focal Loch Watches

Details of hourly weather conditions recorded during the 2015 Focal Loch Watches (July to August inclusive) are presented in Table A8.3.11.

Table A8.3.11: Hourly Weather Conditions Recorded during the 2015 Focal Loch Watches

| Date     | Observer | Survey start time | Survey end time | Hour | Wind speed | Wind direction | Rain | Cloud cover | Cloud height | Visibility | Frost | Snow | Notes                                   |
|----------|----------|-------------------|-----------------|------|------------|----------------|------|-------------|--------------|------------|-------|------|---|
| 07/07/15 | MSc      | 09:45             | 12:05           | 1    | 3          | NE             | 1    | 8           | 1            | 1          | 0     | 0    |   |
| 07/07/15 | MSc      | 09:45             | 12:05           | 2    | 3          | NE             | 2    | 8           | 1            | 1          | 0     | 0    |   |
| 07/07/15 | MSc      | 09:45             | 12:05           | 3    | 4          | NE             | 4    | 8           | 1            | 0          | 0     | 0    | Abandoned survey due to poor conditions |
| 08/07/15 | MSc      | 06:00             | 08:00           | 1    | 3          | E              | 0    | 8           | 2            | 2          | 0     | 0    |   |
| 08/07/15 | MSc      | 06:00             | 08:00           | 2    | 2          | NE             | 1    | 8           | 2            | 1          | 0     | 0    | Sea fog coming in                       |
| 08/07/15 | MSc      | 06:00             | 08:00           | 3    | 2          | E              | 1    | 8           | 2            | 0          | 0     | 0    | Stopped survey due to fog               |
| 26/07/15 | JHo      | 04:45             | 07:45           | 1    | 1          | SE             | 0    | 1           | 2            | 2          | 0     | 0    |   |
| 26/07/15 | JHo      | 04:45             | 07:45           | 2    | 1          | SE             | 0    | 3           | 2            | 2          | 0     | 0    |   |
| 26/07/15 | JHo      | 04:45             | 07:45           | 3    | 1          | SE             | 0    | 4           | 2            | 2          | 0     | 0    |   |
| 28/07/15 | JB       | 04:30             | 07:30           | 1    | 3          | E              | 0    | 7           | 2            | 2          | 0     | 0    |   |
| 28/07/15 | JB       | 04:30             | 07:30           | 2    | 2          | E              | 0    | 8           | 2            | 2          | 0     | 0    |   |
| 28/07/15 | JB       | 04:30             | 07:30           | 3    | 2          | E              | 0    | 8           | 2            | 2          | 0     | 0    |   |
| 28/07/15 | JB       | 15:45             | 18:45           | 1    | 3          | E              | 0    | 5           | 2            | 2          | 0     | 0    |   |
| 28/07/15 | JB       | 15:45             | 18:45           | 2    | 3          | E              | 0    | 8           | 2            | 2          | 0     | 0    |   |
| 28/07/15 | JB       | 15:45             | 18:45           | 3    | 4          | E              | 0    | 7           | 2            | 2          | 0     | 0    |   |
| 12/08/15 | DM       | 18:10             | 21:10           | 1    | 2          | NE             | 0    | 7           | 2            | 2          | 0     | 0    |   |
| 12/08/15 | DM       | 18:10             | 21:10           | 2    | 2          | NE             | 0    | 8           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 3             |
| 12/08/15 | DM       | 18:10             | 21:10           | 3    | 2          | E              | 0    | 8           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 3             |
| 15/08/15 | DM       | 08:40             | 11:40           | 1    | 2          | W              | 0    | 8           | 2            | 2          | 0     | 0    |   |

| Date   | Observer | Survey start time | Survey end time | Hour | Wind speed | Wind direction | Rain | Cloud cover | Cloud height | Visibility | Frost | Snow | Notes  |
|--|----------|-------------------|-----------------|------|------------|----------------|------|-------------|--------------|------------|-------|------|--|
| 15/08/15   | DM       | 08:40             | 11:40           | 2    | 3          | NW             | 0    | 8           | 2            | 2          | 0     | 0    |  |
| 15/08/15   | DM       | 08:40             | 11:40           | 3    | 2          | NW             | 0    | 8           | 2            | 2          | 0     | 0    |  |
| 16/08/15   | DM       | 10:45             | 13:45           | 1    | 2          | SW             | 0    | 2           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 3                              |
| 16/08/15   | DM       | 10:45             | 13:45           | 2    | 3          | SW             | 0    | 3           | 2            | 2          | 0     | 0    |  |
| 16/08/15   | DM       | 10:45             | 13:45           | 3    | 2          | SW             | 0    | 7           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 3                              |
| 17/08/15   | JHo      | 10:00             | 13:20           | 1    | 1          | N              | 0    | 1           | 2            | 2          | 0     | 0    |  |
| 17/08/15   | JHo      | 10:00             | 13:20           | 2    | 1          | N              | 0    | 1           | 2            | 2          | 0     | 0    |  |
| 17/08/15   | JHo      | 10:00             | 13:20           | 3    | 2          | N              | 0    | 2           | 2            | 2          | 0     | 0    |  |
| 17/08/15   | JHo      | 17:00             | 20:45           | 1    | 1          | NE             | 0    | 4           | 0            | 0          | 0     | 0    | Sea fog - dense 1 km inland (otherwise good visibility). |
| 17/08/15   | JHo      | 17:00             | 20:45           | 2    | 2          | NE             | 0    | 5           | 0            | 1          | 0     | 0    |  |
| 17/08/15   | JHo      | 17:00             | 20:45           | 3    | 1          | NE             | 0    | 5           | 0            | 1          | 0     | 0    | Dense sea fog 500 m inland; receded by 19:17             |
| 17/08/15   | JHo      | 17:00             | 20:45           | 4    | 1          | E              | 0    | 6           | 2            | 2          | 0     | 0    | Sea fog at sea to NE                                     |
| 20/08/15   | JHo      | 17:30             | 20:40           | 1    | 3          | E              | 0    | 6           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 4                              |
| 20/08/15   | JHo      | 17:30             | 20:40           | 2    | 4          | E              | 0    | 4           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 5                              |
| 20/08/15   | JHo      | 17:30             | 20:40           | 3    | 4          | SE             | 0    | 5           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 5                              |
| 22/08/15   | DM       | 09:25             | 12:25           | 1    | 3          | SW             | 0    | 4           | 2            | 2          | 0     | 0    |  |
| 22/08/15   | DM       | 09:25             | 12:25           | 2    | 3          | SW             | 0    | 2           | 2            | 2          | 0     | 0    |  |
| 22/08/15   | DM       | 09:25             | 12:25           | 3    | 3          | SW             | 0    | 1           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 4                              |
| Key: <ul style="list-style-type: none"> <li>• Observer: DM = Daniel Menendez; JB = John Bell; JHo = James Homer; MSc = Martin Scott</li> <li>• Wind speed: according to Beaufort Scale</li> <li>• Wind direction: according to 16-point compass</li> </ul> |          |                   |                 |      |            |                |      |             |              |            |       |      |  |

| Date  | Observer | Survey start time | Survey end time | Hour | Wind speed | Wind direction | Rain | Cloud cover | Cloud height | Visibility | Frost | Snow | Notes |
|---|----------|-------------------|-----------------|------|------------|----------------|------|-------------|--------------|------------|-------|------|-------|
| <ul style="list-style-type: none"> <li>• Rain: 0 = None; 1 = Drizzle/Mist; 2 = Light showers; 3 = Heavy showers; 4 = Light rain; 5 = Heavy rain</li> <li>• Cloud cover: in eighths of sky (oktas)</li> <li>• Cloud height: 0 = &lt;150 m; 1 = 150-500 m; 2 = &gt;500 m</li> <li>• Visibility: 0 = Poor (&lt;1 km); 1 = Moderate (1-2 km); 2 = Good (&gt;2 km)</li> <li>• Frost: 0 = None; 1 = Ground frost; 2 = All day frost</li> <li>• Snow: 0 = None; 1 = On site; 2 = On high ground</li> </ul> |          |                   |                 |      |            |                |      |             |              |            |       |      |       |

### 1.1.2.6 Winter Walkover Surveys

Details of hourly weather conditions recorded during the 2015-16 Winter Walkover Surveys (October 2015 to February 2016 inclusive) are presented in Table A8.3.12.

Table A8.3.12: Hourly Weather Conditions Recorded during the 2015-16 Winter Bird Surveys

| Date     | Observer | Survey start time | Survey end time | Hour | Wind speed | Wind direction | Rain | Cloud cover | Cloud height | Visibility | Frost | Snow | Notes |
|----------|----------|-------------------|-----------------|------|------------|----------------|------|-------------|--------------|------------|-------|------|-------|
| 27/10/15 | DPB      | 08:05             | 16:50           | 1    | 5          | S              | 0    | 7           | 2            | 2          | 0     | 0    |       |
| 27/10/15 | DPB      | 08:05             | 16:50           | 2    | 5          | S              | 0    | 7           | 2            | 2          | 0     | 0    |       |
| 27/10/15 | DPB      | 08:05             | 16:50           | 3    | 5          | S              | 0    | 6           | 2            | 2          | 0     | 0    |       |
| 27/10/15 | DPB      | 08:05             | 16:50           | 4    | 5          | S              | 0    | 7           | 2            | 2          | 0     | 0    |       |
| 27/10/15 | DPB      | 08:05             | 16:50           | 5    | 6          | SE             | 0    | 4           | 2            | 2          | 0     | 0    |       |
| 27/10/15 | DPB      | 08:05             | 16:50           | 6    | 6          | SE             | 0    | 2           | 2            | 2          | 0     | 0    |       |
| 27/10/15 | DPB      | 08:05             | 16:50           | 7    | 6          | SE             | 0    | 4           | 2            | 2          | 0     | 0    |       |
| 27/10/15 | DPB      | 08:05             | 16:50           | 8    | 6          | SE             | 0    | 4           | 2            | 2          | 0     | 0    |       |
| 27/10/15 | DPB      | 08:05             | 16:50           | 9    | 6          | SE             | 0    | 7           | 2            | 2          | 0     | 0    |       |
| 29/10/15 | DPB      | 08:10             | 15:00           | 1    | 6          | SE             | 0    | 7           | 2            | 2          | 0     | 0    |       |

| Date     | Observer | Survey start time | Survey end time | Hour | Wind speed | Wind direction | Rain | Cloud cover | Cloud height | Visibility | Frost | Snow | Notes                         |
|----------|----------|-------------------|-----------------|------|------------|----------------|------|-------------|--------------|------------|-------|------|-------------------------------|
| 29/10/15 | DPB      | 08:10             | 15:00           | 2    | 6          | SE             | 0    | 7           | 2            | 2          | 0     | 0    |                               |
| 29/10/15 | DPB      | 08:10             | 15:00           | 3    | 6          | SE             | 2    | 8           | 1            | 2          | 0     | 0    |                               |
| 29/10/15 | DPB      | 08:10             | 15:00           | 4    | 6          | SE             | 0    | 7           | 2            | 2          | 0     | 0    |                               |
| 29/10/15 | DPB      | 08:10             | 15:00           | 5    | 5          | SE             | 0    | 7           | 2            | 2          | 0     | 0    |                               |
| 29/10/15 | DPB      | 08:10             | 15:00           | 6    | 5          | SE             | 0    | 8           | 1            | 2          | 0     | 0    |                               |
| 29/10/15 | DPB      | 08:10             | 15:00           | 7    | 5          | SE             | 2    | 8           | 1            | 2          | 0     | 0    |                               |
| 16/12/15 | DPB      | 09:00             | 15:30           | 1    | 4          | S              | 2    | 8           | 1            | 2          | 0     | 0    | Gusting to Beaufort Force 5   |
| 16/12/15 | DPB      | 09:00             | 15:30           | 2    | 4          | S              | 0    | 7           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 5   |
| 16/12/15 | DPB      | 09:00             | 15:30           | 3    | 4          | S              | 0    | 7           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 5/6 |
| 16/12/15 | DPB      | 09:00             | 15:30           | 4    | 4          | S              | 0    | 6           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 5/6 |
| 16/12/15 | DPB      | 09:00             | 15:30           | 5    | 4          | S              | 0    | 4           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 5   |
| 16/12/15 | DPB      | 09:00             | 15:30           | 6    | 4          | S              | 0    | 1           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 5   |
| 16/12/15 | DPB      | 09:00             | 15:30           | 7    | 4          | S              | 0    | 1           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 5   |
| 17/12/15 | DPB      | 09:00             | 15:30           | 1    | 4          | SW             | 0    | 8           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 5/6 |
| 17/12/15 | DPB      | 09:00             | 15:30           | 2    | 4          | SW             | 2    | 8           | 1            | 2          | 0     | 0    | Gusting to Beaufort Force 5/6 |
| 17/12/15 | DPB      | 09:00             | 15:30           | 3    | 4          | SW             | 0    | 8           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 5/6 |
| 17/12/15 | DPB      | 09:00             | 15:30           | 4    | 4          | SW             | 0    | 7           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 5/6 |
| 17/12/15 | DPB      | 09:00             | 15:30           | 5    | 4          | SW             | 0    | 4           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 5/6 |
| 17/12/15 | DPB      | 09:00             | 15:30           | 6    | 4          | SW             | 0    | 4           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 5/6 |
| 17/12/15 | DPB      | 09:00             | 15:30           | 7    | 4          | SW             | 0    | 4           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 5/6 |
| 18/12/15 | DPB      | 09:00             | 12:00           | 1    | 5          | SW             | 0    | 8           | 1            | 2          | 0     | 0    | Gusting to Beaufort Force 6   |
| 18/12/15 | DPB      | 09:00             | 12:00           | 2    | 5          | SW             | 0    | 8           | 1            | 2          | 0     | 0    | Gusting to Beaufort Force 6   |
| 18/12/15 | DPB      | 09:00             | 12:00           | 3    | 5          | SW             | 0    | 8           | 1            | 2          | 0     | 0    | Gusting to Beaufort Force 6   |



| Date     | Observer | Survey start time | Survey end time | Hour | Wind speed | Wind direction | Rain | Cloud cover | Cloud height | Visibility | Frost | Snow | Notes  |
|----------|----------|-------------------|-----------------|------|------------|----------------|------|-------------|--------------|------------|-------|------|--|
| 23/02/16 | DPB      | 12:10             | 16:15           | 1    | 4          | NW             | 2    | 8           | 0            | 1          | 0     | 0    | Gusting to Beaufort Force 5; hail/snow showers |
| 23/02/16 | DPB      | 12:10             | 16:15           | 2    | 4          | NW             | 2    | 8           | 0            | 1          | 0     | 0    | Gusting to Beaufort Force 5; hail/snow showers |
| 23/02/16 | DPB      | 12:10             | 16:15           | 3    | 3          | NW             | 0    | 7           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 4                    |
| 23/02/16 | DPB      | 12:10             | 16:15           | 4    | 3          | NW             | 0    | 7           | 2            | 2          | 0     | 0    | Gusting to Beaufort Force 4                    |
| 24/02/16 | DPB      | 08:40             | 15:50           | 1    | 3          | NW             | 2    | 8           | 0            | 1          | 2     | 1    | Gusting to Beaufort Force 4; snow showers      |
| 24/02/16 | DPB      | 08:40             | 15:50           | 2    | 3          | NW             | 0    | 7           | 2            | 2          | 2     | 1    | Gusting to Beaufort Force 4                    |
| 24/02/16 | DPB      | 08:40             | 15:50           | 3    | 3          | NW             | 0    | 7           | 2            | 2          | 2     | 1    | Gusting to Beaufort Force 4                    |
| 24/02/16 | DPB      | 08:40             | 15:50           | 4    | 3          | NW             | 0    | 7           | 2            | 2          | 2     | 1    | Gusting to Beaufort Force 4                    |
| 24/02/16 | DPB      | 08:40             | 15:50           | 5    | 3          | NW             | 2    | 8           | 0            | 1          | 2     | 1    | Gusting to Beaufort Force 4; hail/snow showers |
| 24/02/16 | DPB      | 08:40             | 15:50           | 6    | 3          | NW             | 2    | 8           | 0            | 1          | 2     | 1    | Gusting to Beaufort Force 4; hail/snow showers |
| 24/02/16 | DPB      | 08:40             | 15:50           | 7    | 4          | NW             | 0    | 7           | 2            | 2          | 2     | 1    | Gusting to Beaufort Force 5                    |
| 24/02/16 | DPB      | 08:40             | 15:50           | 8    | 4          | NW             | 0    | 7           | 2            | 2          | 2     | 1    | Gusting to Beaufort Force 5                    |
| 25/02/16 | DPB      | 08:40             | 15:50           | 1    | 2          | NW             | 0    | 8           | 2            | 2          | 1     | 1    |  |
| 25/02/16 | DPB      | 08:40             | 15:50           | 2    | 2          | NW             | 0    | 8           | 2            | 2          | 1     | 1    |  |
| 25/02/16 | DPB      | 08:40             | 15:50           | 3    | 2          | NW             | 0    | 8           | 2            | 2          | 1     | 1    |  |
| 25/02/16 | DPB      | 08:40             | 15:50           | 4    | 2          | NW             | 0    | 8           | 2            | 2          | 1     | 1    | Gusting to Beaufort Force 3                    |
| 25/02/16 | DPB      | 08:40             | 15:50           | 5    | 2          | W              | 0    | 8           | 2            | 2          | 1     | 1    |  |
| 25/02/16 | DPB      | 08:40             | 15:50           | 6    | 2          | W              | 0    | 8           | 2            | 2          | 1     | 1    |  |
| 25/02/16 | DPB      | 08:40             | 15:50           | 7    | 2          | NW             | 0    | 8           | 2            | 2          | 1     | 1    | Gusting to Beaufort Force 3                    |
| 25/02/16 | DPB      | 08:40             | 15:50           | 8    | 2          | NW             | 0    | 8           | 2            | 2          | 1     | 1    | Gusting to Beaufort Force 3                    |

| Date   | Observer | Survey start time | Survey end time | Hour | Wind speed | Wind direction | Rain | Cloud cover | Cloud height | Visibility | Frost | Snow | Notes |
|--|----------|-------------------|-----------------|------|------------|----------------|------|-------------|--------------|------------|-------|------|-------|
| <p>Key:</p> <ul style="list-style-type: none"> <li>• Observer: DPB = David Butterfield</li> <li>• Wind speed: according to Beaufort Scale</li> <li>• Wind direction: according to 16-point compass</li> <li>• Rain: 0 = None; 1 = Drizzle/Mist; 2 = Light showers; 3 = Heavy showers; 4 = Light rain; 5 = Heavy rain</li> <li>• Cloud cover: in eighths of sky (oktas)</li> <li>• Cloud height: 0 = &lt;150 m; 1 = 150-500 m; 2 = &gt;500 m</li> <li>• Visibility: 0 = Poor (&lt;1 km); 1 = Moderate (1-2 km); 2 = Good (&gt;2 km)</li> <li>• Frost: 0 = None; 1 = Ground frost; 2 = All day frost</li> <li>• Snow: 0 = None; 1 = On site; 2 = On high ground</li> </ul> |          |                   |                 |      |            |                |      |             |              |            |       |      |       |

### 1.1.3 2018 (Year 3)

Details of hourly weather conditions recorded during the 2018 (Year 3) breeding season Baseline Ornithology Surveys (February to August 2018 inclusive) are presented in Tables A8.3.13-A8.3.17.

#### 1.1.3.1 Flight Activity Surveys

Details of hourly weather conditions recorded during the 2018 Flight Activity Surveys (February to August inclusive) are presented in Table A8.3.13.

Table A8.3.13: Hourly Weather Conditions Recorded during the 2018 Flight Activity Surveys

| Date     | VP | Observer | Survey start time | Survey end time | Hours | Wind speed | Wind direction | Rain  | Cloud cover | Cloud height | Visibility | Frost | Snow  | Notes |
|----------|----|----------|-------------------|-----------------|-------|------------|----------------|-------|-------------|--------------|------------|-------|-------|-------|
| 21/02/18 | 3  | PC       | 10:45             | 13:45           | 3     | 2/2/2      | SSW/SSW/SSW    | 0/0/0 | 1/3/3       | 2/2/2        | 2/2/2      | 0/0/0 | 0/0/0 |       |
| 21/02/18 | 3  | PC       | 14:15             | 17:15           | 3     | 2/2/1      | S/S/S          | 0/0/0 | 2/2/1       | 2/2/2        | 2/2/2      | 0/0/0 | 0/0/0 |       |
| 22/02/18 | 2  | AC       | 09:30             | 12:30           | 3     | 3/4/4      | SW/SW/SW       | 0/0/0 | 1/1/2       | 2/2/2        | 2/2/2      | 0/0/0 | 0/0/0 |       |
| 22/02/18 | 2  | AC       | 13:00             | 16:00           | 3     | 4/3/3      | SW/SW/SW       | 0/0/0 | 1/4/7       | 2/2/2        | 2/2/2      | 0/0/0 | 0/0/0 |       |

| Date     | VP | Observer | Survey start time | Survey end time | Hours | Wind speed | Wind direction | Rain  | Cloud cover | Cloud height | Visibility | Frost | Snow  | Notes                                   |
|----------|----|----------|-------------------|-----------------|-------|------------|----------------|-------|-------------|--------------|------------|-------|-------|---|
| 22/02/18 | 1  | PC       | 09:40             | 12:40           | 3     | 3/4/4      | S/S/S          | 0/0/0 | 3/4/3       | 2/2/2        | 2/2/2      | 0/0/0 | 0/0/0 |   |
| 22/02/18 | 1  | PC       | 13:10             | 16:10           | 3     | 4/4/3      | S/S/S          | 0/0/0 | 4/6/6       | 2/2/2        | 2/2/2      | 0/0/0 | 0/0/0 |   |
| 15/03/18 | 1  | AJM      | 11:45             | 14:45           | 3     | 5/5/5      | SE/SE/SE       | 1/0/0 | 8/8/8       | 2/2/2        | 2/2/2      | 0/0/0 | 0/0/0 | Shower during hour 1                    |
| 15/03/18 | 1  | AJM      | 15:15             | 18:15           | 3     | 5/5/5      | SE/SE/SE       | 2/2/2 | 8/8/8       | 2/2/2        | 2/2/2      | 0/0/0 | 0/0/0 | Very light rain showers                 |
| 15/03/18 | 2  | PC       | 11:55             | 14:55           | 3     | 5/5/5      | SE/SE/SE       | 0/0/0 | 8/7/8       | 2/2/2        | 2/2/2      | 0/0/0 | 0/0/0 |   |
| 15/03/18 | 2  | PC       | 15:25             | 18:25           | 3     | 5/5/5      | SE/SE/SE       | 2/2/2 | 8/8/8       | 2/2/2        | 2/2/2      | 0/0/0 | 0/0/0 | Very light rain                         |
| 16/03/18 | 1  | AJM      | 09:35             | 12:35           | 3     | 5/5/5      | SE/SE/SE       | 2/2/2 | 6/7/7       | 2/2/2        | 2/2/2      | 0/0/0 | 0/0/0 |   |
| 16/03/18 | 1  | AJM      | 13:05             | 16:05           | 3     | 5/5/4      | SE/SE/SE       | 2/2/2 | 7/8/8       | 2/2/2        | 2/2/2      | 0/0/0 | 1/1/1 | Light snow showers during hours 2 and 3 |
| 16/03/18 | 2  | PC       | 09:15             | 12:15           | 3     | 5/5/5      | SE/SE/SE       | 2/2/2 | 7/7/7       | 2/2/2        | 2/2/2      | 0/0/0 | 0/0/0 |   |
| 16/03/18 | 2  | PC       | 12:45             | 15:45           | 3     | 5/5/5      | SE/SE/SE       | 2/2/3 | 7/8/8       | 2/2/2        | 2/2/2      | 0/0/0 | 0/0/0 |   |
| 22/03/18 | 2  | PC       | 08:25             | 11:25           | 3     | 3/3/3      | SSW/SSW/SSW    | 0/0/0 | 6/6/7       | 2/2/2        | 2/2/2      | 0/0/0 | 0/0/0 |   |
| 22/03/18 | 2  | PC       | 11:55             | 14:55           | 3     | 3/3/2      | SSW/SSW/S      | 0/0/0 | 7/7/7       | 2/2/2        | 2/2/2      | 0/0/0 | 0/0/0 | Wind gusting during hours 1 and 2       |
| 22/03/18 | 1  | AJM      | 08:40             | 11:40           | 3     | 4/4/3      | SSW/SSW/SSW    | 0/0/0 | 5/5/6       | 2/2/2        | 2/2/2      | 0/0/0 | 0/0/0 |   |
| 22/03/18 | 1  | AJM      | 12:10             | 15:10           | 3     | 4/3/4      | SSW/SSW/SW     | 0/0/0 | 7/8/8       | 2/2/2        | 2/2/2      | 0/0/0 | 0/0/0 |   |
| 08/04/18 | 3  | RTW      | 07:30             | 10:30           | 3     | 1/1/1      | SW/SW/SW       | 0/0/0 | 7/7/7       | 2/2/2        | 2/2/2      | 0/0/0 | 0/0/0 |   |
| 08/04/18 | 3  | RTW      | 11:00             | 14:00           | 3     | 1/1/1      | S/SW/S         | 0/0/0 | 6/6/7       | 2/2/2        | 2/2/2      | 0/0/0 | 0/0/0 |   |
| 11/04/18 | 1  | AJM      | 05:45             | 08:45           | 3     | 3/3/3      | SE/SE/SE       | 0/1/0 | 8/8/8       | 1/1/1        | 2/2/2      | 0/0/0 | 0/0/0 |   |
| 11/04/18 | 2  | PC       | 05:45             | 08:45           | 3     | 3/3/3      | SE/SE/SE       | 0/0/0 | 8/8/8       | 1/1/1        | 2/2/2      | 0/0/0 | 0/0/0 |   |
| 12/04/18 | 3  | AJM      | 11:40             | 14:40           | 3     | 4/4/4      | SE/SE/SE       | 0/0/0 | 1/1/1       | 2/2/2        | 2/2/2      | 0/0/0 | 0/0/0 |   |
| 12/04/18 | 3  | AJM      | 15:10             | 18:10           | 3     | 4/4/3      | SE/SE/SE       | 0/0/0 | 1/1/1       | 2/2/2        | 2/2/2      | 0/0/0 | 0/0/0 |   |
| 12/04/18 | 1  | AJM      | 08:10             | 11:10           | 3     | 4/4/4      | SE/SE/SE       | 0/0/0 | 5/1/1       | 2/2/2        | 2/2/2      | 0/0/0 | 0/0/0 |   |

| Date     | VP | Observer | Survey start time | Survey end time | Hours | Wind speed | Wind direction | Rain  | Cloud cover | Cloud height | Visibility | Frost | Snow  | Notes                                   |
|----------|----|----------|-------------------|-----------------|-------|------------|----------------|-------|-------------|--------------|------------|-------|-------|---|
| 12/04/18 | 2  | PC       | 08:10             | 11:10           | 3     | 4/4/4      | SE/SE/SE       | 0/0/0 | 6/1/1       | 2/2/2        | 2/2/2      | 0/0/0 | 0/0/0 |   |
| 30/04/18 | 3  | PC       | 13:40             | 16:40           | 3     | 3/3/3      | ESE/ESE/SE     | 0/0/0 | 4/4/3       | 2/2/2        | 2/2/2      | 0/0/0 | 0/0/0 |   |
| 30/04/18 | 3  | PC       | 17:10             | 20:10           | 3     | 3/2/3      | SE/SE/SE       | 0/0/0 | 3/1/1       | 2/2/2        | 2/2/2      | 0/0/0 | 0/0/0 |   |
| 01/05/18 | 3  | PC       | 05:30             | 08:30           | 3     | 3/3/3      | S/S/S          | 0/0/0 | 4/6/7       | 2/2/2        | 2/2/2      | 1/0/0 | 0/0/0 | High cloud during hours 1 and 2         |
| 01/05/18 | 3  | PC       | 09:00             | 12:00           | 3     | 3/3/3      | S/S/S          | 0/0/0 | 7/7/7       | 2/2/2        | 2/2/2      | 0/0/0 | 0/0/0 |   |
| 21/05/18 | 1  | AL       | 14:30             | 17:30           | 3     | 3/4/3      | NNW/NNW/NNW    | 1/3/1 | 8/8/8       | 1/0/1        | 1/1/1      | 0/0/0 | 0/0/0 | Continual rain during hour 2            |
| 21/05/18 | 2  | KL       | 14:30             | 17:30           | 3     | 3/4/3      | N/N/N          | 1/1/2 | 8/8/8       | 1/1/1        | 1/1/1      | 0/0/0 | 0/0/0 | Low cloud and mist during hours 1 and 2 |
| 22/05/18 | 1  | KL       | 10:30             | 13:30           | 3     | 3/4/4      | NE/ENE/ENE     | 0/0/0 | 8/8/8       | 2/2/2        | 2/2/2      | 0/0/0 | 0/0/0 | Wind increasing during hour 2           |
| 22/05/18 | 1  | KL       | 14:00             | 17:00           | 3     | 3/3/3      | ENE/ENE/E      | 0/0/0 | 8/6/4       | 2/2/2        | 2/2/2      | 0/0/0 | 0/0/0 | Sunny spells during hours 2 and 3       |
| 22/05/18 | 2  | AL       | 10:30             | 13:30           | 3     | 2/1/2      | N/NE/NE        | 0/0/0 | 8/8/8       | 2/2/2        | 2/2/2      | 0/0/0 | 0/0/0 | Dry and overcast                        |
| 22/05/18 | 2  | AI       | 14:00             | 17:00           | 3     | 2/2/2      | NE/NE/NE       | 0/0/0 | 8/6/5       | 2/2/2        | 2/2/2      | 0/0/0 | 0/0/0 | Sunny spells during hour 3              |
| 24/05/18 | 3  | KL       | 10:30             | 13:30           | 3     | 3/3/2      | S/S/S          | 0/0/0 | 0/0/0       | N/A          | 2/2/2      | 0/0/0 | 0/0/0 | Full sun                                |
| 24/05/18 | 3  | KL       | 14:00             | 17:00           | 3     | 4/4/3      | SE/E/E         | 0/0/0 | 0/0/0       | N/A          | 2/2/2      | 0/0/0 | 0/0/0 | Full sun                                |
| 25/05/18 | 1  | KL       | 08:00             | 11:00           | 3     | 3/2/3      | N/N/N          | 0/0/0 | 8/8/8       | 1/1/1        | 2/2/2      | 0/0/0 | 0/0/0 | Overcast                                |
| 25/05/18 | 2  | AL       | 08:00             | 11:00           | 3     | 2/2/2      | N/N/N          | 0/0/0 | 5/8/8       | 2/2/2        | 2/2/2      | 0/0/0 | 0/0/0 | Overcast                                |
| 14/06/18 | 1  | AJM      | 16:15             | 19:15           | 3     | 5/5/5      | W/W/W          | 0/0/2 | 6/7/7       | 2/2/2        | 2/2/2      | 0/0/0 | 0/0/0 |   |
| 14/06/18 | 2  | PC       | 16:10             | 19:10           | 3     | 6/5/5      | W/W/W          | 0/2/2 | 8/7/7       | 2/2/2        | 2/2/2      | 0/0/0 | 0/0/0 |   |
| 14/06/18 | 3  | AJM      | 12:40             | 15:40           | 3     | 5/5/6      | WNW/WNW/WNW    | 2/3/0 | 8/8/6       | 2/2/2        | 2/2/2      | 0/0/0 | 0/0/0 |   |
| 15/06/18 | 1  | AJM      | 08:20             | 11:20           | 3     | 3/4/4      | SW/SW/SW       | 0/0/0 | 6/6/5       | 2/2/2        | 2/2/2      | 0/0/0 | 0/0/0 |   |
| 15/06/18 | 1  | AJM      | 11:50             | 14:50           | 3     | 4/4/4      | SW/WSW/WSW     | 0/0/0 | 6/6/6       | 2/2/2        | 2/2/2      | 0/0/0 | 0/0/0 |   |
| 25/06/18 | 1  | KL       | 12:30             | 15:30           | 3     | 3/3/3      | NW/NW/NW       | 0/0/0 | 6/1/0       | 2/2/-        | 2/2/2      | 0/0/0 | 0/0/0 |   |

| Date     | VP | Observer | Survey start time | Survey end time | Hours | Wind speed | Wind direction | Rain  | Cloud cover | Cloud height | Visibility | Frost | Snow  | Notes |
|----------|----|----------|-------------------|-----------------|-------|------------|----------------|-------|-------------|--------------|------------|-------|-------|-------|
| 25/06/18 | 2  | AL       | 12:20             | 15:20           | 3     | 3/3/3      | NNW/NNW/NNW    | 0/0/0 | 5/3/0       | 2/2/-        | 2/2/2      | 0/0/0 | 0/0/0 |       |
| 28/06/18 | 3  | AL       | 10:30             | 13:30           | 3     | 2/2/2      | E/NNW/N        | 0/0/0 | 0/0/0       | N/A          | 2/2/2      | 0/0/0 | 0/0/0 |       |
| 28/06/18 | 3  | KL       | 14:00             | 17:00           | 3     | 3/3/2      | N/NE/NE        | 0/0/0 | 0/0/0       | N/A          | 2/2/2      | 0/0/0 | 0/0/0 |       |
| 29/06/18 | 1  | AL       | 08:30             | 11:30           | 3     | 4/4/4      | SE/SE/SE       | 0/0/0 | 8/8/8       | 1/1/1        | 2/2/2      | 0/0/0 | 0/0/0 |       |
| 29/06/18 | 2  | KL       | 08:30             | 11:30           | 3     | 3/3/3      | SE/SE/SE       | 0/0/0 | 8/8/8       | 1/1/2        | 2/2/2      | 0/0/0 | 0/0/0 |       |
| 09/07/18 | 1  | KL       | 13:35             | 16:35           | 3     | 3/4/3      | NW/NW/NW       | 0/0/0 | 7/8/7       | 2/2/2        | 2/2/2      | 0/0/0 | 0/0/0 |       |
| 09/07/18 | 2  | AL       | 13:30             | 16:30           | 3     | 4/4/3      | NNW/NNW/NNW    | 0/0/0 | 7/8/7       | 2/2/2        | 2/2/2      | 0/0/0 | 0/0/0 |       |
| 10/07/18 | 3  | AL       | 13:00             | 16:00           | 3     | 2/3/2      | NW/NW/NW       | 0/0/0 | 8/8/8       | 1/1/1        | 2/2/2      | 0/0/0 | 0/0/0 |       |
| 11/07/18 | 3  | KL       | 13:15             | 16:15           | 3     | 2/2/2      | NW/NW/NW       | 2/1/1 | 8/8/8       | 1/1/1        | 2/2/2      | 0/0/0 | 0/0/0 |       |
| 13/07/18 | 1  | AL       | 10:20             | 13:20           | 3     | 2/1/2      | SW/SW/NW       | 0/0/0 | 7/8/6       | 2/2/2        | 2/2/2      | 0/0/0 | 0/0/0 |       |
| 13/07/18 | 2  | KL       | 10:15             | 13:15           | 3     | 2/2/1      | S/S/S          | 0/0/0 | 8/8/7       | 2/2/2        | 2/2/2      | 0/0/0 | 0/0/0 |       |
| 29/07/18 | 3  | AJM      | 15:25             | 18:25           | 3     | 4/4/4      | S/S/S          | 0/0/2 | 8/8/8       | 2/2/2        | 2/2/2      | 0/0/0 | 0/0/0 |       |
| 30/07/18 | 2  | PC       | 07:45             | 10:45           | 3     | 3/3/3      | S/S/SSE        | 0/0/0 | 7/7/4       | 2/2/2        | 2/2/2      | 0/0/0 | 0/0/0 |       |
| 30/07/18 | 2  | PC       | 11:15             | 14:15           | 3     | 3/4/4      | SSE/SSE/SSE    | 0/0/0 | 3/5/5       | 2/2/2        | 2/2/2      | 0/0/0 | 0/0/0 |       |
| 30/07/18 | 3  | AJM      | 15:15             | 18:15           | 3     | 4/4/4      | S/S/S          | 0/0/0 | 3/5/5       | 2/2/2        | 2/2/2      | 0/0/0 | 0/0/0 |       |
| 30/07/18 | 3  | AJM      | 18:45             | 21:45           | 3     | 3/2/1      | SSW/E/E        | 0/0/0 | 4/3/4       | 2/2/2        | 2/2/2      | 0/0/0 | 0/0/0 |       |
| 31/07/18 | 2  | PC       | 08:20             | 11:20           | 3     | 2/3/3      | SSW/SSW/SSW    | 0/0/0 | 4/6/6       | 2/2/2        | 2/2/2      | 0/0/0 | 0/0/0 |       |
| 31/07/18 | 1  | AJM      | 08:15             | 11:15           | 3     | 3/3/4      | S/S/S          | 0/0/0 | 2/5/6       | 2/2/2        | 2/2/2      | 0/0/0 | 0/0/0 |       |
| 31/07/18 | 3  | AJM      | 11:50             | 14:50           | 3     | 4/4/4      | S/S/S          | 0/0/0 | 5/4/5       | 2/2/2        | 2/2/2      | 0/0/0 | 0/0/0 |       |
| 31/07/18 | 3  | AJM      | 15:20             | 18:20           | 3     | 4/4/4      | S/S/S          | 0/0/0 | 5/5/4       | 2/2/2        | 2/2/2      | 0/0/0 | 0/0/0 |       |
| 01/08/18 | 3  | PC       | 05:10             | 08:10           | 3     | 3/3/3      | S/S/SSW        | 0/0/0 | 7/5/7       | 2/2/2        | 2/2/2      | 0/0/0 | 0/0/0 |       |
| 01/08/18 | 3  | PC       | 08:40             | 11:40           | 3     | 3/3/3      | SSW/SSW/SSW    | 0/0/0 | 7/7/7       | 2/2/2        | 2/2/2      | 0/0/0 | 0/0/0 |       |
| 13/08/18 | 1  | AJM      | 15:10             | 18:10           | 3     | 3/3/3      | SE/SE/SE       | 0/0/0 | 8/8/8       | 2/2/2        | 2/2/2      | 0/0/0 | 0/0/0 |       |

| Date     | VP | Observer | Survey start time | Survey end time | Hours | Wind speed | Wind direction | Rain  | Cloud cover | Cloud height | Visibility | Frost | Snow  | Notes |
|----------|----|----------|-------------------|-----------------|-------|------------|----------------|-------|-------------|--------------|------------|-------|-------|-------|
| 13/08/18 | 1  | AJM      | 18:40             | 21:40           | 3     | 3/3/2      | SE/SSE/SSE     | 0/0/2 | 8/8/8       | 2/2/2        | 2/2/2      | 0/0/0 | 0/0/0 |       |
| 14/08/18 | 2  | PC       | 04:50             | 07:50           | 3     | 2/2/2      | SW/SW/SW       | 0/0/0 | 8/8/8       | 2/2/2        | 2/2/2      | 0/0/0 | 0/0/0 |       |
| 14/08/18 | 2  | PC       | 08:20             | 11:20           | 3     | 2/2/2      | SW/SW/SW       | 0/2/2 | 8/8/8       | 2/2/2        | 2/2/2      | 0/0/0 | 0/0/0 |       |

Key:

- Observer: AC = Mr A. Carroll; AJM = Mr A. McNab; AL = Mr A. Little; KL = Mr K. Little; PC = Mr P. Carroll; RTW = Mr R. Whytock
- Wind speed: according to Beaufort Scale
- Wind direction: according to 16-point compass
- Rain: 0 = None; 1 = Drizzle/Mist; 2 = Light showers; 3 = Heavy showers; 4 = Heavy rain
- Cloud cover: in eighths of sky (oktas)
- Cloud height: 0 = <150 m; 1 = 150-500 m; 2 = >500 m
- Visibility: 0 = Poor (<1 km); 1 = Moderate (1-2 km); 2 = Good (>2 km)
- Frost: 0 = None; 1 = Ground frost; 2 = All day frost
- Snow: 0 = None; 1 = On site; 2 = On high ground

### 1.1.3.2 Moorland Breeding Bird Survey

Details of hourly weather conditions recorded during the 2018 Moorland Breeding Bird Survey (April to July inclusive) are presented in Table A8.3.14.

Table A8.3.14: Hourly Weather Conditions Recorded during the 2018 Moorland Breeding Bird Surveys

| Date     | Observer | Survey start time | Survey end time | Hour | Wind speed | Wind direction | Rain | Cloud cover | Cloud height | Visibility | Frost | Snow |
|----------|----------|-------------------|-----------------|------|------------|----------------|------|-------------|--------------|------------|-------|------|
| 11/04/18 | AJM      | 08:50             | 13:40           | 1    | 3          | SE             | 0    | 6           | 1            | 2          | 0     | 0    |
|          |          |                   |                 | 2    | 3          | SE             | 0    | 5           | 2            | 2          | 0     | 0    |
|          |          |                   |                 | 3    | 3          | SE             | 1    | 5           | 2            | 2          | 0     | 0    |

| Date     | Observer | Survey start time | Survey end time | Hour | Wind speed | Wind direction | Rain | Cloud cover | Cloud height | Visibility | Frost | Snow |
|----------|----------|-------------------|-----------------|------|------------|----------------|------|-------------|--------------|------------|-------|------|
|          |          |                   |                 | 4    | 3          | SE             | 2    | 4           | 2            | 2          | 0     | 0    |
|          |          |                   |                 | 5    | 3          | SE             | 3    | 4           | 2            | 2          | 0     | 0    |
| 11/04/18 | PC       | 09:00             | 13:55           | 1    | 3          | SE             | 0    | 8           | 1            | 2          | 0     | 0    |
|          |          |                   |                 | 2    | 3          | SE             | 0    | 7           | 2            | 2          | 0     | 0    |
|          |          |                   |                 | 3    | 4          | SE             | 0    | 6           | 2            | 2          | 0     | 0    |
|          |          |                   |                 | 4    | 4          | SE             | 0    | 6           | 2            | 2          | 0     | 0    |
|          |          |                   |                 | 5    | 4          | SE             | 0    | 7           | 2            | 2          | 0     | 0    |
| 23/05/18 | AL       | 10:15             | 15:15           | 1    | 2          | SE             | 0    | 5           | 2            | 2          | 0     | 0    |
|          |          |                   |                 | 2    | 2          | SE             | 0    | 5           | 2            | 2          | 0     | 0    |
|          |          |                   |                 | 3    | 2          | SE             | 0    | 4           | 2            | 2          | 0     | 0    |
|          |          |                   |                 | 4    | 2          | SE             | 0    | 4           | 2            | 2          | 0     | 0    |
|          |          |                   |                 | 5    | 2          | NE             | 0    | 4           | 2            | 2          | 0     | 0    |
| 23/05/18 | KL       | 10:15             | 15:15           | 1    | 2          | SSW            | 0    | 1           | 2            | 2          | 0     | 0    |
|          |          |                   |                 | 2    | 1          | SSW            | 0    | 4           | 2            | 2          | 0     | 0    |
|          |          |                   |                 | 3    | 2          | N              | 0    | 5           | 2            | 2          | 0     | 0    |
|          |          |                   |                 | 4    | 2          | NNE            | 0    | 1           | 2            | 2          | 0     | 0    |
|          |          |                   |                 | 5    | 2          | NNE            | 0    | 1           | 2            | 2          | 0     | 0    |
| 27/06/18 | AL       | 10:00             | 16:00           | 1    | 1          | NW             | 0    | 2           | 2            | 2          | 0     | 0    |
|          |          |                   |                 | 2    | 2          | NW             | 0    | 2           | 2            | 2          | 0     | 0    |
|          |          |                   |                 | 3    | 2          | NW             | 0    | 0           | 2            | 2          | 0     | 0    |
|          |          |                   |                 | 4    | 2          | NW             | 0    | 0           | 2            | 2          | 0     | 0    |
|          |          |                   |                 | 5    | 1          | NW             | 0    | 0           | 2            | 2          | 0     | 0    |
| 27/06/18 | KL       | 09:50             | 15:50           | 1    | 1          | NW             | 0    | 4           | 2            | 2          | 0     | 0    |

| Date  | Observer | Survey start time | Survey end time | Hour | Wind speed | Wind direction | Rain | Cloud cover | Cloud height | Visibility | Frost | Snow |
|---|----------|-------------------|-----------------|------|------------|----------------|------|-------------|--------------|------------|-------|------|
|   |          |                   |                 | 2    | 3          | N              | 0    | 4           | 2            | 2          | 0     | 0    |
|   |          |                   |                 | 3    | 2          | N              | 0    | 0           | 2            | 2          | 0     | 0    |
|   |          |                   |                 | 4    | 3          | NW             | 0    | 0           | 2            | 2          | 0     | 0    |
|   |          |                   |                 | 5    | 2          | NW             | 0    | 0           | 2            | 2          | 0     | 0    |
|   |          |                   |                 | 6    | 3          | NW             | 0    | 0           | 2            | 2          | 0     | 0    |
| 12/07/18  | AL       | 10:15             | 16:15           | 1    | 2          | NW             | 0    | 8           | 2            | 2          | 0     | 0    |
|   |          |                   |                 | 2    | 2          | NW             | 0    | 8           | 2            | 2          | 0     | 0    |
|   |          |                   |                 | 3    | 1          | NW             | 0    | 8           | 2            | 2          | 0     | 0    |
|   |          |                   |                 | 4    | 3          | NW             | 0    | 8           | 2            | 2          | 0     | 0    |
|   |          |                   |                 | 5    | 2          | N              | 0    | 8           | 2            | 2          | 0     | 0    |
|   |          |                   |                 | 6    | 2          | N              | 0    | 8           | 2            | 2          | 0     | 0    |
| 12/07/18  | KL       | 10:00             | 16:00           | 1    | 2          | NW             | 0    | 8           | 2            | 2          | 0     | 0    |
|   |          |                   |                 | 2    | 1          | NW             | 0    | 8           | 2            | 2          | 0     | 0    |
|   |          |                   |                 | 3    | 2          | NW             | 0    | 8           | 2            | 2          | 0     | 0    |
|   |          |                   |                 | 4    | 2          | NW             | 0    | 8           | 2            | 2          | 0     | 0    |
|   |          |                   |                 | 5    | 2          | N              | 0    | 8           | 2            | 2          | 0     | 0    |
|   |          |                   |                 | 6    | 2          | N              | 0    | 8           | 2            | 2          | 0     | 0    |
| Key: <ul style="list-style-type: none"> <li>• Observer: AJM = Mr A. McNab; AL = Mr A. Little; KL = Mr K. Little; PC = Mr P. Carroll</li> <li>• Wind speed: according to Beaufort Scale</li> <li>• Wind direction: according to 16-point compass</li> <li>• Rain: 0 = None; 1 = Drizzle/Mist; 2 = Light showers; 3 = Heavy showers; 4 = Heavy rain</li> <li>• Cloud cover: in eighths of sky (oktas)</li> <li>• Cloud height: 0 = &lt;150 m; 1 = 150-500 m; 2 = &gt;500 m</li> </ul> |          |                   |                 |      |            |                |      |             |              |            |       |      |



| Date   | Observer | Survey start time | Survey end time | Hour | Wind speed | Wind direction | Rain | Cloud cover | Cloud height | Visibility | Frost | Snow |
|--|----------|-------------------|-----------------|------|------------|----------------|------|-------------|--------------|------------|-------|------|
| <ul style="list-style-type: none"> <li>• Visibility: 0 = Poor (&lt;1 km); 1 = Moderate (1-2 km); 2 = Good (&gt;2 km)</li> <li>• Frost: 0 = None; 1 = Ground frost; 2 = All day frost</li> <li>• Snow: 0 = None; 1 = On site; 2 = On high ground</li> </ul> |          |                   |                 |      |            |                |      |             |              |            |       |      |

### 1.1.3.3 Breeding Raptor Surveys

Details of hourly weather conditions recorded during the 2018 Breeding Raptor Surveys (February to July inclusive) are presented in Table A8.3.15.

Table A8.3.15: Hourly Weather Conditions Recorded during the 2018 Breeding Raptor Surveys

| Date     | Observer | Survey start time | Survey end time | Wind speed  | Wind direction     | Rain        | Cloud cover | Cloud height | Visibility  | Frost       | Snow        |
|----------|----------|-------------------|-----------------|-------------|--------------------|-------------|-------------|--------------|-------------|-------------|-------------|
| 21/02/18 | AC       | 11:00             | 17:00           | 1/1/1/1/2/2 | S/S/S/S/S/S        | 0/0/0/0/0/0 | 1/1/3/2/2/2 | 2/2/2/2/2/2  | 2/2/2/2/2/2 | 0/0/0/0/0/0 | 0/0/0/0/0/0 |
| 08/04/18 | RTW      | 15:00             | 20:30           | 2/2/1/1/1/1 | WSW/WSW/W/W/W/W    | 0/0/0/0/0/0 | 6/5/5/4/5/5 | 2/2/2/2/2/2  | 2/2/2/2/2/2 | 0/0/0/0/0/0 | 0/0/0/0/0/0 |
| 12/04/18 | PC       | 11:20             | 17:20           | 4/4/4/4/4/4 | SE/SE/SE/SE//SE/SE | 0/0/0/0/0/0 | 1/3/1/1/0/0 | 2/2/2/2/2/2  | 2/2/2/2/2/2 | 0/0/0/0/0/0 | 0/0/0/0/0/0 |
| 01/05/18 | PC       | 12:00             | 15:00           | 3/4/4       | S/S/S              | 0/0/2       | 7/7/8       | 2/2/2        | 2/2/2       | 0/0/0       | 0/0/0       |
| 24/05/18 | AL       | 10:30             | 16:30           | 3/3/2/4/3/3 | S/S/S/SE/NE/NE     | 0/0/0/0/0/0 | 0/0/0/0/0/0 | 0/0/0/0/0/0  | 2/2/2/2/2/2 | 0/0/0/0/0/0 | 0/0/0/0/0/0 |
| 26/06/18 | AL       | 13:00             | 16:00           | 2/2/2       | N/N/NNE            | 0/0/0       | 7/7/8       | 2/2/2        | 2/2/2       | 0/0/0       | 0/0/0       |
| 26/06/18 | KL       | 13:30             | 16:30           | 2/2/2       | N/N/NNE            | 0/0/0       | 7/7/8       | 2/2/2        | 2/2/2       | 0/0/0       | 0/0/0       |
| 28/06/18 | AL       | 14:00             | 17:00           | 2/1/2       | N/N/NE             | 0/0/0       | 0/0/0       | 0/0/0        | 2/2/2       | 0/0/0       | 0/0/0       |
| 10/07/18 | AL       | 09:15             | 12:15           | 1/1/1       | NNE/NNE/NW         | 1/1/0       | 8/8/8       | 1/1/1        | 1/1/2       | 0/0/0       | 0/0/0       |
| 10/07/18 | KL       | 09:15             | 12:15           | 1/1/1       | NNE/NNE/NW         | 1/1/0       | 8/8/8       | 1/1/1        | 1/1/2       | 0/0/0       | 0/0/0       |
| 11/07/18 | KL       | 09:30             | 12:30           | 1/1/1       | NW/NW/NW           | 1/1/0       | 8/8/8       | 1/1/1        | 2/2/2       | 0/0/0       | 0/0/0       |
| 29/07/18 | PC       | 11:55             | 14:55           | 5/5/4       | S/S/S              | 0/0/2       | 3/4/6       | 2/2/2        | 2/2/2       | 0/0/0       | 0/0/0       |

| Date   | Observer | Survey start time | Survey end time | Wind speed | Wind direction | Rain  | Cloud cover | Cloud height | Visibility | Frost | Snow  |
|--|----------|-------------------|-----------------|------------|----------------|-------|-------------|--------------|------------|-------|-------|
| 31/07/18   | PC       | 11:20             | 14:20           | 3/3/4      | SSW/SSW/SW     | 0/0/0 | 6/4/4       | 2/2/2        | 2/2/2      | 0/0/0 | 0/0/0 |
| <p>Key:</p> <ul style="list-style-type: none"> <li>• Observer: AC = Mr A. Carroll; AL = Mr A. Little; KL = Mr K. Little; PC = Mr P. Carroll; RTW = Mr R. Whytock</li> <li>• Wind speed: according to Beaufort Scale</li> <li>• Wind direction: according to 16-point compass</li> <li>• Rain: 0 = None; 1 = Drizzle/Mist; 2 = Light showers; 3 = Heavy showers; 4 = Heavy rain</li> <li>• Cloud cover: in eighths of sky (oktas)</li> <li>• Cloud height: 0 = &lt;150 m; 1 = 150-500 m; 2 = &gt;500 m</li> <li>• Visibility: 0 = Poor (&lt;1 km); 1 = Moderate (1-2 km); 2 = Good (&gt;2 km)</li> <li>• Frost: 0 = None; 1 = Ground frost; 2 = All day frost</li> <li>• Snow: 0 = None; 1 = On site; 2 = On high ground</li> </ul> |          |                   |                 |            |                |       |             |              |            |       |       |

#### 1.1.3.4 Breeding Diver Surveys

Details of hourly weather conditions recorded during the 2018 Breeding Diver Surveys (June to July inclusive) are presented in Table A8.3.16.

Table A8.3.16: Hourly Weather Conditions Recorded during the 2018 Breeding Diver Surveys

| Date     | Observer | Survey start | Survey end time | Hour | Wind speed  | Wind direction | Rain        | Cloud cover   | Cloud height | Visibility  | Frost | Snow |
|----------|----------|--------------|-----------------|------|-------------|----------------|-------------|---------------|--------------|-------------|-------|------|
| 14/06/18 | PC       | 12:30        | 15:45           | 4    | 5/5/6/6     | W/W/W/W        | 4/3/0/0     | 8/8/8/7       | 1/1/2/2      | 2/2/2/2     | 0     | 0    |
| 15/06/18 | PC       | 08:20        | 14:20           | 6    | 3/3/3/3/3/3 | W/W/W/W/W/W    | 0/0/0/0/0/0 | 6/6/6/7/6/7/7 | 2/2/2/2/2/2  | 2/2/2/2/2/2 | 0     | 0    |
| 26/06/18 | AL       | 09:50        | 12:50           | 3    | 2/1/3       | NW/NW/NW       | 0/0/0       | 8/8/8         | 2/2/2        | 2/2/2       | 0     | 0    |
| 26/06/18 | KL       | 10:15        | 13:15           | 3    | 2/1/2       | NW/NW/NW       | 0/0/0       | 8/8/8         | 2/2/2        | 2/2/2       | 0     | 0    |
| 28/06/18 | KL       | 09:45        | 12:45           | 3    | 3/2/3       | N/NNE/N        | 0/0/0       | 8/8/8         | 0/0/0        | 2/2/3       | 0     | 0    |
| 10/07/18 | KL       | 12:30        | 15:30           | 3    | 2/2/2       | NNW/NNW/NW     | 0/0/0       | 8/8/8         | 1/1/1        | 2/2/2       | 0     | 0    |

Technical Appendix A8.3: Additional Raw Baseline Ornithology Data  
 Ackron Wind Farm

| Date     | Observer | Survey start | Survey end time | Hour | Wind speed  | Wind direction    | Rain        | Cloud cover | Cloud height | Visibility  | Frost | Snow |
|----------|----------|--------------|-----------------|------|-------------|-------------------|-------------|-------------|--------------|-------------|-------|------|
| 11/07/18 | AL       | 09:30        | 15:30           | 6    | 1/1/1/2/2/2 | NW/NW/NW/NW/NW/NW | 1/1/0/1/1/2 | 8/8/8/8/8/8 | 1/1/1/1/1/1  | 2/2/2/2/2/2 | 0     | 0    |
| 29/07/18 | PC       | 15:00        | 18:00           | 3    | 4/4/4       | S/S/S             | 0/0/2       | 7/8/8       | 2/2/2        | 2/2/2       | 0     | 0    |
| 29/07/18 | AJM      | 11:55        | 14:55           | 3    | 4/4/4       | S/S/S             | 0/0/2       | 5/6/7       | 2/2/2        | 2/2/2       | 0     | 0    |
| 31/07/18 | PC       | 14:20        | 17:20           | 3    | 4/4/4       | SW/SW/SW          | 0/0/0       | 5/6/5       | 2/2/2        | 2/2/2       | 0     | 0    |

Key:

- Observer: AJM = Mr A. McNab; AL = Mr A. Little; KL = Mr K. Little; PC = Mr P. Carroll
- Wind speed: according to Beaufort Scale
- Wind direction: according to 16-point compass
- Rain: 0 = None; 1 = Drizzle/Mist; 2 = Light showers; 3 = Heavy showers; 4 = Heavy rain
- Cloud cover: in eighths of sky (oktas)
- Cloud height: 0 = <150 m; 1 = 150-500 m; 2 = >500 m
- Visibility: 0 = Poor (<1 km); 1 = Moderate (1-2 km); 2 = Good (>2 km)
- Frost: 0 = None; 1 = Ground frost; 2 = All day frost
- Snow: 0 = None; 1 = On site; 2 = On high ground

### 1.1.3.5 Focal Loch Watches

Details of hourly weather conditions recorded during the August 2018 Focal Loch Watches are presented in Table A8.3.17.

Table A8.3.17: Hourly Weather Conditions Recorded during the 2018 Focal Loch Watches

| Date     | Observer | Survey start time | Survey end time | Hour | Wind speed | Wind direction | Rain  | Cloud cover | Cloud height | Visibility | Frost | Snow |
|----------|----------|-------------------|-----------------|------|------------|----------------|-------|-------------|--------------|------------|-------|------|
| 01/08/18 | AJM      | 04:25             | 07:25           | 3    | 1/2/2      | SSW/SSW/SSW    | 0/0/0 | 5/6/6       | 2/2/2        | 2/2/2      | 0     | 0    |
| 01/08/18 | AJM      | 07:55             | 10:55           | 3    | 2/3/3      | SSW/SSW/SW     | 0/0/0 | 6/5/6       | 2/2/2        | 2/2/2      | 0     | 0    |
| 02/08/18 | AJM      | 04:25             | 07:25           | 3    | 1/1/2      | SSW/SSW/SSW    | 0/0/0 | 8/7/7       | 2/2/2        | 2/2/2      | 0     | 0    |

| Date     | Observer | Survey start time | Survey end time | Hour | Wind speed | Wind direction | Rain  | Cloud cover | Cloud height | Visibility | Frost | Snow |
|----------|----------|-------------------|-----------------|------|------------|----------------|-------|-------------|--------------|------------|-------|------|
| 13/08/18 | PC       | 15:10             | 18:10           | 3    | 3/3/3      | SSE/SSE/SSE    | 0/0/0 | 8/8/8       | 2/2/2        | 2/2/2      | 0     | 0    |
| 13/08/18 | PC       | 18:40             | 21:40           | 3    | 3/3/3      | SSE/SSE/SSE    | 0/0/1 | 8/8/8       | 2/2/2        | 2/2/2      | 0     | 0    |
| 14/08/18 | AJM      | 04:40             | 07:40           | 3    | 2/1/1      | S/S/S          | 0/0/0 | 8/7/7       | 2/2/2        | 2/2/2      | 0     | 0    |
| 14/08/18 | AJM      | 08:10             | 11:10           | 3    | 1/1/2      | S/S/S          | 2/2/2 | 7/7/8       | 2/2/2        | 2/2/2      | 0     | 0    |

Key:

- Observer: AJM = Mr A. McNab; PC = Mr P. Carroll
- Wind speed: according to Beaufort Scale
- Wind direction: according to 16-point compass
- Rain: 0 = None; 1 = Drizzle/Mist; 2 = Light showers; 3 = Heavy showers; 4 = Heavy rain
- Cloud cover: in eighths of sky (oktas)
- Cloud height: 0 = <150 m; 1 = 150-500 m; 2 = >500 m
- Visibility: 0 = Poor (<1 km); 1 = Moderate (1-2 km); 2 = Good (>2 km)
- Frost: 0 = None; 1 = Ground frost; 2 = All day frost
- Snow: 0 = None; 1 = On site; 2 = On high ground

## 1.2 2018 Breeding Season Target Species Flights

With the exception of Arctic tern and merlin, details of target species flights recorded during the year 2 (2018) Breeding Diver Surveys are presented in Table A8.3.18. Details of Arctic tern and merlin flights are included in Appendix A8.5.

*Table A8.3.18: Target Species Flights Recorded during the Year 2018 Breeding Season Flight Activity Surveys (Feb-Aug 2018)*

| Species*      | VP       | Date     | Flight start time | Minimum no. of birds | Duration (seconds) | Flight behaviour               | Key no.** | Notes                    |
|---------------|----------|----------|-------------------|----------------------|--------------------|--------------------------------|-----------|--------------------------|
| Greylag goose | 3        | 21/02/18 | 13:15             | 8                    | 157                |                                | B2        |                          |
|               | 2        | 22/03/18 | 09:13             | 9                    | 136                | Landing                        | B7        | Out of sight             |
|               | 2        | 22/03/18 | 10:03             | 30                   | 30                 | Transit                        | B9        | Landed in field          |
|               | 2        | 22/03/18 | 10:17             | 22                   | 32                 | Transit                        | B10       | Joined flock above field |
|               | 2        | 22/03/18 | 10:50             | 1                    | 85                 |                                | B11       |                          |
|               | 2        | 22/03/18 | 12:36             | 2                    | 28                 | Landing                        | B12       | In field                 |
|               | 2        | 22/03/18 | 14:44             | 2                    | 32                 |                                | B15       |                          |
|               | 2        | 11/04/18 | 06:46             | 1                    | 64                 | Calling                        | B19       |                          |
|               | 2        | 11/04/18 | 07:12             | 2                    | 38                 | Landing                        | B20       | In field                 |
|               | 2        | 11/04/18 | 08:15             | 2                    | 16                 | Moving from one field to other | B25       |                          |
|               | 2        | 12/04/18 | 09:59             | 12                   | 42                 | Landing                        | B28       | In field                 |
|               | 3        | 08/04/18 | 09:18             | 12                   | 72                 |                                | B31       |                          |
|               | 3        | 12/04/18 | 16:28             | 1                    | 75                 | Transit                        | B32       | With pink-footed goose   |
|               | 1        | 25/05/18 | 08:59             | 4                    | 120                | Flying north and then east     | B53       | Through site             |
|               | 2        | 21/05/18 | 16:31             | 2                    | 15                 | Flying north                   | B58       | Through viewshed         |
|               | 2        | 21/05/18 | 16:47             | 2                    | 15                 | Flying south                   | B59       | Through viewshed         |
|               | 2        | 22/05/18 | 11:33             | 2                    | 15                 | Landing                        | B64       | Pair                     |
|               | 2        | 22/05/18 | 11:41             | 2                    | 45                 | Flying low                     | B65       | Over viewshed            |
| 2             | 22/05/18 | 12:17    | 2                 | 15                   | Flying low         | B67                            | Landed    |                          |

| Species*          | VP | Date     | Flight start time | Minimum no. of birds | Duration (seconds) | Flight behaviour            | Key no.** | Notes                      |
|-------------------|----|----------|-------------------|----------------------|--------------------|-----------------------------|-----------|----------------------------|
|                   | 2  | 25/05/18 | 08:33             | 2                    | 15                 | Flying south                | B74       |                            |
|                   | 2  | 25/05/18 | 08:45             | 2                    | 30                 | Flying low                  | B77       | Landed                     |
|                   | 2  | 25/05/18 | 08:58             | 2                    | 30                 | Flying low                  | B79       | Landed                     |
|                   | 1  | 25/06/18 | 14:20             | 4                    | 120                | Flying northwest            | B100      | Out of site                |
|                   | 2  | 14/06/18 | 17:10             | 17                   | 42                 |                             | B111      |                            |
|                   | 2  | 14/06/18 | 17:45             | 1                    | 36                 | Landing                     | B112      | In field                   |
|                   | 2  | 14/06/18 | 18:20             | 7                    | 157                |                             | B113      |                            |
|                   | 2  | 14/06/18 | 18:44             | 2                    | 161                |                             | B114      |                            |
|                   | 2  | 25/06/18 | 15:20             | 2                    | 15                 | Flying north and low        | B115      | Out of site                |
|                   | 1  | 25/06/18 | 15:24             | 3                    | 120                |                             | B151      |                            |
|                   | 2  | 14/08/18 | 06:16             | 8                    | 119                |                             | B193      |                            |
| Pink-footed goose | 1  | 12/04/18 | 08:27             | 26                   | 150                |                             | B23       |                            |
|                   | 1  | 12/04/18 | 10:13             | 10                   | 125                |                             | B26       |                            |
|                   | 1  | 12/04/18 | 10:35             | 19                   | 95                 |                             | B27       |                            |
|                   | 1  | 12/04/18 | 10:45             | 42                   | 130                |                             | B29       |                            |
|                   | 2  | 11/04/18 | 07:24             | 18                   | 60                 |                             | B30       |                            |
|                   | 2  | 12/04/18 | 09:15             | 15                   | 195                |                             | B33       |                            |
|                   | 2  | 12/04/18 | 09:29             | 35                   | 30                 | Calling                     | B35       |                            |
|                   | 2  | 12/04/18 | 10:16             | 10                   | 53                 |                             | B37       |                            |
|                   | 2  | 12/04/18 | 10:37             | 25                   | 72                 |                             | B38       |                            |
|                   | 3  | 12/04/18 | 16:28             | 15                   | 75                 | Together with greylag goose | B39       |                            |
| Shelduck          | 3  | 01/05/18 | 07:54             | 2                    | 46                 | Flying low                  | B87       | Adult pair, landed on loch |
| Teal              | 3  | 01/05/18 | 06:56             | 1                    | 14                 | Flying low briefly          | B85       | Male, landed on loch       |
| Goldeneye         | 1  | 22/02/18 | 14:35             | 1                    | 20                 |                             | B1        | Adult male                 |

| Species*           | VP | Date     | Flight start time | Minimum no. of birds | Duration (seconds) | Flight behaviour      | Key no.** | Notes                    |
|--------------------|----|----------|-------------------|----------------------|--------------------|-----------------------|-----------|--------------------------|
| Red-throated diver | 1  | 29/06/18 | 10:44             | 1                    | 90                 | Flying south          | B107      | Through viewshed         |
|                    | 2  | 14/08/18 | 07:37             | 1                    | 65                 |                       | B194      |                          |
|                    | 3  | 01/08/18 | 05:41             | 2                    | 68                 |                       | B195      |                          |
|                    | 3  | 01/08/18 | 06:33             | 2                    | 20                 |                       | B196      | Lost from view           |
|                    | 3  | 01/08/18 | 06:35             | 2                    | 55                 | Singing, flying south | B197      |                          |
| Grey heron         | 1  | 22/03/18 | 14:56             | 1                    | 25                 |                       | B4        |                          |
|                    | 1  | 11/04/18 | 08:43             | 1                    | 115                |                       | B18       |                          |
|                    | 2  | 11/04/18 | 07:58             | 1                    | 116                | Flying slow           | B24       | Dropped out of view      |
|                    | 1  | 22/05/18 | 14:50             | 1                    | 15                 | Flying northwest      | B50       | Through buffer           |
|                    | 2  | 13/07/18 | 10:55             | 1                    | 60                 | Flying northeast      | B171      | Through buffer           |
| Osprey             | 3  | 28/06/18 | 11:17             | 1                    | 45                 | Flying south          | B130      | Over loch                |
|                    | 3  | 28/06/18 | 11:28             | 1                    | 120                | Flying northwest      | B132      | Through viewshed         |
|                    | 3  | 28/06/18 | 11:37             | 1                    | 180                | Flying southeast      | B133      | Through buffer           |
| Golden eagle       | 3  | 24/05/18 | 12:20             | 1                    | 90                 | Soaring west          | B90       | Juvenile                 |
| Hen harrier        | 2  | 11/04/18 | 07:19             | 1                    | 118                | Hunting               | B22       | Adult male, lost to view |
|                    | 1  | 21/05/18 | 17:11             | 1                    | 120                | Transit               | B40       | Male                     |
|                    | 1  | 22/05/18 | 11:52             | 1                    | 180                | Hunting               | B44       | Male                     |
|                    | 3  | 28/06/18 | 15:25             | 1                    | 15                 | Landing               | B147      | On hillside              |
|                    | 3  | 28/06/18 | 15:31             | 1                    | 60                 | Hunting               | B148      | Along loch shore         |
|                    | 1  | 09/07/18 | 13:54             | 1                    | 60                 | Flying high and south | B152      | Male                     |
|                    | 2  | 09/07/18 | 13:50             | 1                    | 60                 | Flying south          | B163      | Male, over site          |

| Species*           | VP | Date     | Flight start time | Minimum no. of birds | Duration (seconds) | Flight behaviour     | Key no.** | Notes                       |
|--------------------|----|----------|-------------------|----------------------|--------------------|----------------------|-----------|-----------------------------|
|                    | 2  | 09/07/18 | 14:23             | 1                    | 15                 | Flying low and north | B165      | Out of site                 |
|                    | 2  | 09/07/18 | 15:01             | 2                    | 240                |                      | B168      |                             |
| White-tailed eagle | 3  | 01/05/18 | 09:23             | 1                    | 135                | Hunting              | B88       | Immature bird               |
|                    | 3  | 24/05/18 | 10:36             | 1                    | 60                 | Flying east          | B89       | Juvenile, onsite            |
|                    | 3  | 30/07/18 | 17:11             | 1                    | 165                |                      | B190      | Immature, probable 2nd year |
| Oystercatcher      | 2  | 21/05/18 | 14:57             | 1                    | 15                 | Flying east          | B55       | Through viewshed            |
|                    | 2  | 29/06/18 | 11:13             | 2                    | 30                 | Flying north         | B118      |                             |
| Lapwing            | 1  | 22/03/18 | 09:19             | 2                    | 35                 |                      | B3        |                             |
|                    | 2  | 16/03/18 | 09:47             | 1                    | 124                |                      | B5        |                             |
|                    | 2  | 22/03/18 | 08:44             | 1                    | 194                |                      | B6        |                             |
|                    | 1  | 11/04/18 | 06:22             | 1                    | 15                 |                      | B16       |                             |
|                    | 1  | 11/04/18 | 07:18             | 1                    | 15                 |                      | B17       |                             |
|                    | 2  | 22/05/18 | 12:23             | 1                    | 5                  | Flying low briefly   | B68       |                             |
|                    | 2  | 22/05/18 | 13:01             | 2                    | 5                  | Flying low briefly   | B69       |                             |
|                    | 2  | 22/05/18 | 16:36             | 1                    | 45                 | Flying south         | B72       |                             |
|                    | 2  | 25/05/18 | 08:31             | 1                    | 5                  | Brief transit        | B73       | Landed                      |
|                    | 2  | 25/05/18 | 08:43             | 1                    | 15                 | Flying north-east    | B76       |                             |
|                    | 1  | 14/06/18 | 18:29             | 1                    | 15                 |                      | B95       |                             |
|                    | 1  | 31/07/18 | 09:05             | 31                   | 20                 |                      | B160      |                             |
|                    | 2  | 09/07/18 | 14:44             | 1                    | 30                 | Flying west          | B167      | Through viewshed            |
| Golden plover      | 3  | 11/07/18 | 13:46             | 23                   | 60                 | Flying northwest     | B185      | Through site                |



| Species*         | VP       | Date     | Flight start time | Minimum no. of birds | Duration (seconds) | Flight behaviour     | Key no.** | Notes            |
|------------------|----------|----------|-------------------|----------------------|--------------------|----------------------|-----------|------------------|
| Curlew           | 1        | 12/04/18 | 09:56             | 1                    | 20                 | Displaying briefly   | B36       |                  |
|                  | 1        | 22/05/18 | 11:15             | 1                    | 120                | Flying east          | B43       | Landed in buffer |
|                  | 2        | 21/05/18 | 15:18             | 1                    | 30                 | Flying east          | B56       | Through viewshed |
|                  | 2        | 22/05/18 | 10:35             | 1                    | 135                | Displaying           | B60       |                  |
|                  | 2        | 22/05/18 | 10:45             | 1                    | 15                 | Displaying           | B61       |                  |
|                  | 2        | 22/05/18 | 10:57             | 1                    | 15                 | Flying low           | B62       | Landed           |
|                  | 2        | 22/05/18 | 11:50             | 1                    | 15                 | Flying low           | B66       | Landed           |
|                  | 2        | 22/05/18 | 13:11             | 1                    | 15                 | Calling and flying   | B70       | Landed           |
|                  | 2        | 25/05/18 | 08:49             | 1                    | 15                 | Displaying           | B78       | Landed           |
|                  | 2        | 25/05/18 | 09:15             | 2                    | 30                 | Displaying           | B80       |                  |
|                  | 2        | 25/05/18 | 09:27             | 1                    | 15                 | Flying low           | B81       | Landed           |
|                  | 2        | 25/05/18 | 10:11             | 1                    | 30                 | Displaying           | B82       |                  |
|                  | 2        | 25/05/18 | 10:49             | 1                    | 15                 | Flying east          | B83       | Through viewshed |
|                  | 2        | 25/05/18 | 10:52             | 1                    | 15                 | Flying low           | B84       | Landed           |
|                  | 1        | 14/06/18 | 17:11             | 1                    | 30                 | Displaying briefly   | B94       |                  |
| 1                | 14/06/18 | 19:02    | 1                 | 35                   |                    | B96                  |           |                  |
| Snipe            | 1        | 21/05/18 | 17:23             | 1                    | 15                 | Flying               | B41       | Into cover       |
|                  | 1        | 22/05/18 | 10:33             | 1                    | 15                 | Flying west          | B42       |                  |
|                  | 1        | 25/05/18 | 08:31             | 1                    | 90                 | Drumming             | B52       |                  |
|                  | 2        | 22/05/18 | 11:30             | 1                    | 5                  | Flying low briefly   | B63       |                  |
|                  | 2        | 29/06/18 | 10:15             | 1                    | 15                 | Flying               | B117      | In buffer        |
|                  | 1        | 31/07/18 | 09:10             | 1                    | 80                 |                      | B161      |                  |
| Common sandpiper | 3        | 01/05/18 | 07:02             | 2                    | 65                 | Flying low and rapid | B86       | Landed on shore  |

| Species*   | VP | Date     | Flight start time | Minimum no. of birds | Duration (seconds) | Flight behaviour                  | Key no.** | Notes                             |
|--|----|----------|-------------------|----------------------|--------------------|-----------------------------------|-----------|-----------------------------------|
| Greenshank   | 3  | 30/04/18 | 19:14             | 1                    | 56                 |                                   | B34       |                                   |
| Great skua   | 1  | 25/05/18 | 10:00             | 1                    | 30                 | Flying southeast then south       | B54       | In buffer                         |
| Peregrine  | 2  | 22/03/18 | 09:41             | 2                    | 749                | Pair hunting                      | B8        | Dropped out of sight behind ridge |
|  | 2  | 22/03/18 | 12:52             | 1                    | 20                 | Carrying prey                     | B13       | Male                              |
|  | 2  | 22/03/18 | 12:53             | 1                    | 65                 | Mobbing buzzard and alarm calling | B14       | Female                            |
|  | 2  | 11/04/18 | 07:18             | 1                    | 25                 | Flying at high speed              | B21       | Male, lost to view                |
|  | 2  | 22/05/18 | 14:22             | 1                    | 360                | Hunting                           | B93       | Over viewshed                     |
|  | 2  | 09/07/18 | 14:05             | 2                    | 420                | Soaring                           | B164      | Adult and juvenile over site      |
| <p>*Species names and order in which they are listed follow the British List maintained by the British Ornithologists' Union (BOU)<sup>1</sup>; **Key numbers allow identification of individual flights</p> |    |          |                   |                      |                    |                                   |           |                                   |

<sup>1</sup> British Ornithologists' Union. (2017) The British List: A Checklist of Birds of Britain (9<sup>th</sup> edition). *Ibis* 160, 190-240.