

Bord na Móna
Breeding Surveys 2017

Derryadd Co. Longford
Survey Report



Planning & Environmental Consultants

DOCUMENT DETAILS

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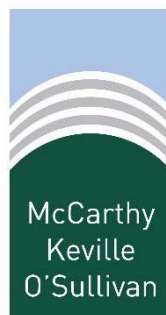
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Table of Contents

1	Introduction.....	1
1.1.1	Statement of Authority.....	1
2	Desk Study & Consultation	2
2.1.1	Desk Study.....	2
2.1.2	Consultation	2
2.1.3	Method for Identification of Target Species.....	2
2.1.4	Field Surveys	3
2.2	Baseline Conditions and Receptor Evaluation.....	5
2.2.1	Desk study Results.....	5
3	Field Survey Results	10
3.1	Vantage Point Surveys Results	10
3.1.1	Swans, Geese and Ducks	10
3.1.2	Divers, Grebes, Herons, Cormorants	11
3.1.3	Raptors	11
3.1.4	Rails.....	12
3.1.5	Waders.....	13
3.1.6	Gulls and Terns	14
3.2	Breeding Walkover Survey Results	14
3.3	Breeding Raptor Survey Results	15
3.4	Waterfowl Surveys	16
3.5	Woodcock Surveys	17
4	Discussion	18
4.1.1	Ducks.....	18
4.1.2	Diver, Grebes, Herons, Cormorants	18
4.1.3	Raptors	18
4.1.4	Waders.....	19
4.1.5	Gulls and Terns	19
4.1.6	Passerines.....	20
5	Conclusion.....	21
6	References	22

Appendices

1-1 Curriculum Vitae

1-2 Birds Technical Appendix

1 INTRODUCTION

McCarthy Keville O’Sullivan (MKO) was appointed by Bord na Mona in spring 2017 to carry out survey works at Derryadd for the breeding period spanning April 2017 to September 2017. The site is located at Derryadd (Grid Ref: N 05600 68200) located adjacent to Lanesborough, Co.Longford. This report has been compiled to provide information regarding the ecological status of bird populations at the site. Due to previous peat extraction carried out on-site, much of the habitat is cutover peatland and young/mature scrub, which is surrounded by farmland and stands of conifer plantation. The site is approximately 2,347ha in area.

McCarthy Keville O’Sullivan has extensive experience of carrying out ornithological surveys for proposed windfarm sites including Cloncreen Co. Offaly, Knockalough Co. Galway and Lettergunnet Co. Galway windfarms, all of which have been granted planning permission.

This report describes the ornithological survey methods employed and survey data collected at Deryadd, Co.Longford for the period from April 2017 to September 2017 inclusive. This report contains information from desktop studies as well as surveys carried out on site. Particular attention has been paid to species of conservation importance and the identification of target species.

This report is supported by Technical Appendix 1-2 which contains the raw data from the surveys undertaken This includes detail on survey times, weather conditions, surveyors, survey results and other additional information.

The report is structured as follows:

- An introduction providing a description of the background and statement of authority regarding ornithological survey works.
- A description of a desktop study and consultation carried out with regard to the site.
- A comprehensive description of the ornithological surveys carried out.
- A full description of results for all ornithological surveys carried out.

The following defines terms used in this report

- “Zones of Influence” (ZOI) for potential ornithological receptors refers to the zone within which potential effects are anticipated. ZOIs were assigned following best available guidance (SNH 2016 and McGuinness et.al 2015).

1.1.1 Statement of Authority

This report has been prepared by Mr. Stephen Corrigan (B.Sc. Environmental Science), assistant ecologist and Alex Ash (Senior Ornithologist) (B.Sc. Environmental Science). The field surveys were undertaken in 2016/2017 by Mr John Hehir (Assistant Ornithologist) (B.Sc. Wildlife Biology), Mr Patrick Manley (Assistant Ornithologist) (B.Sc.) and Mr Sean Ronayne (Assistant Ornithologist) (M.Sc. Ecological Assessment), all of whom are competent ornithologists.

CVs are provided in Appendix 1-1 to this report.

2 DESK STUDY & CONSULTATION

2.1.1 Desk Study

A comprehensive desk study was undertaken to search for any relevant information on species of conservation concern which may potentially make use of the study area. The assessment included a thorough review of the available ornithological data including:

- Review of online sources: National Parks and Wildlife Service (NPWS), National Biodiversity Data Centre (NBDC), Irish Wetland Bird Survey I-WeBS.
- Review of Bird Atlases: (Sharrock, 1976; Lack, 1986; Gibbons et al., 1993; Balmer et al., 2013).
- Review of Birds of Conservation Concern (BoCCI) in Ireland 2014-2019 (Colhoun & Cummins, 2013)
- Review of specially requested records from the NPWS Rare and Protected Species Database.

2.1.2 Consultation

MKO undertook a consultation exercise during preparation of this report. Table 2.1 provides a list of the organisations consulted and notes where responses have been received.

Table 2.1 Scoping Response Summary

No.	Consultee	Response to Consultation
1	National Parks and Wildlife Service (via GIS Consultant Jochen Roller, Department of Arts, Heritage, Regional, Rural & Gaeltacht Affairs)	No response received
2	National Parks and Wildlife Service (via GIS Conservation Ranger Colm Malone, Department of Arts, Heritage, Regional, Rural & Gaeltacht Affairs)	No response received
3	Irish Raptor Study Group	Response received 13/12/2017
4	Irish Whooper Swan Study Group	Response received 15/12/2017
5	Bird Watch Ireland	Response received 15/12/2017

2.1.3 Method for Identification of Target Species

Following a comprehensive desk study, initial site visit and consultation, a list of “target species” likely to occur at the site was compiled. The observation/survey work carried out on the site was specifically designed to survey for these identified target species in accordance with SNH guidance (2014). The target species list was drawn from:

- Annex I of the Birds Directive,
- Special Conservation Interests (SCI) of Special Protection Areas (SPA) within the zone of likely significant effects,
- Species protected under the fourth schedule of the Wildlife Acts 1976-2012,
- Red and Amber listed birds of Conservation Concern.

2.1.4 Field Surveys

This section of the report describes the various field survey methodologies employed and survey rationale for the various survey methods undertaken. Field surveys were conducted from April 2017 – September 2017. The data provided in this report is robust and allows clear, precise and definitive conclusions to be made with regards to the likely significant effects on avian receptors identified within the subject site. Field survey methodologies have been devised to survey for the bird species composition and assemblages that occur within the study area.

2.1.4.1 Initial Site Assessment

Based on the results of the desk study, consultation and reconnaissance site visits, the likely importance of the study area for bird species was determined. Based on the collated information available from the above preliminary assessment and adopting a precautionary approach, a site-specific scope for the ornithological surveys was developed.

2.1.4.2 Vantage Point Survey

Vantage point surveys were undertaken in accordance with SNH guidance from eleven fixed vantage point locations from April 2017 to September 2017. Data on bird observations and flight activity was collected from a scanning arc of 180° and a two kilometre radius by an observer at each fixed location for six hours per month. Surveys were scheduled to provide a spread over the full daylight period including at dawn and dusk to coincide with the highest points of bird activity.

Initially, eleven vantage points were identified for survey following analysis of aerial imagery and a site visit at the outset of vantage point survey in the study area.

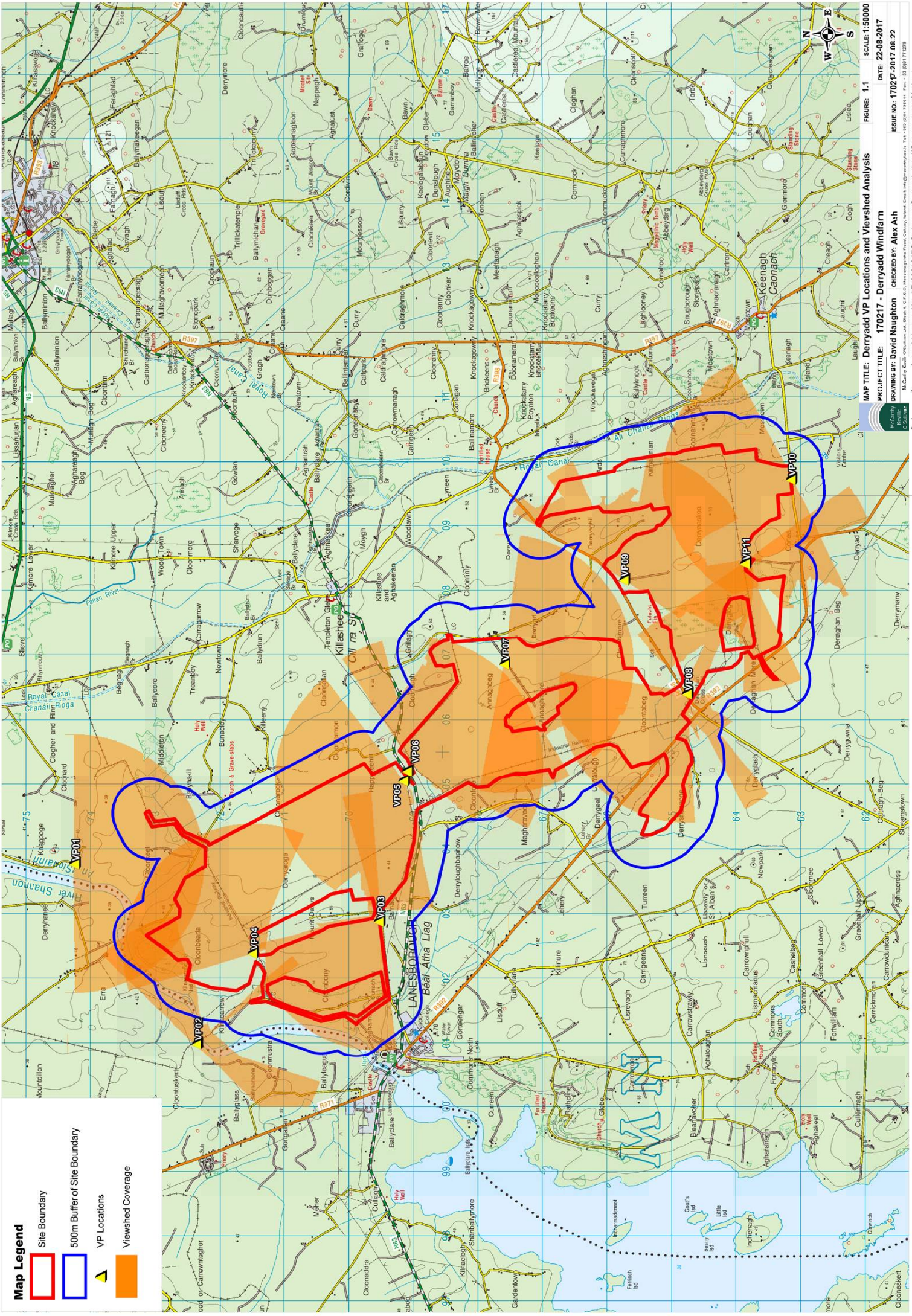
Details on vantage point watch surveys are presented in Appendix 1-2, Table 2 to this report. This includes full details of dates, times, survey locations, survey duration and weather conditions for each survey. Appendix 1-2, Figure 1.1 shows the locations of vantage points and technical data is provided in Appendix 1-2, Table 3.

Flight activity was divided into distinct height bands. The flight bands were chosen in relation to the dimensions of likely turbine models for the site and the resulting potential collision height. Bands are split into 0-10m, 10-25m, 25m-175m and 175m+. Taking a precautionary approach, 25-175m is considered to correspond to potential collision height (PCH).

Viewshed Analysis

Viewshed analysis was carried out to document coverage of the study area from fixed vantage point locations (VP1, VP2, VP3, VP4, VP5, VP6, VP7, VP8, VP9, VP10, VP11). Viewsheds were calculated using Resoft Wind Farm ZTV (Zone of Theoretical Visibility) software in combination with Mapinfo Professional (Version 10.0) using a notional and precautionary layer suspended at 25m, corresponding to an extremely conservative estimate of the lowermost potential height passed through by the rotor blade tips. While the relevance of being able to view as much of the site to ground level is acknowledged, the SNH guidance emphasises the importance of visibility of the 'collision risk volume' when the data is to be used to estimate the risk of collision with turbines by birds.

The viewshed analysis involved testing each VP location for its visibility coverage by creating a view shed point two metres in height (to represent the height of observer) on a map using 10 metre contours terrain data. Using the ZTV software, a viewshed of



Map Legend

- Site Boundary
- 500m Buffer of Site Boundary
- ▲ VP Locations
- Viewshed Coverage

MAP TITLE: Derryadd VP Locations and Viewshed Analysis
 PROJECT TITLE: 170217 - Derryadd Windfarm
 DRAWING BY: David Naughton
 CHECKED BY: Alex Ash
 SCALE: 1:50000
 DATE: 22-08-2017
 ISSUE NO.: 170217-2017 08 22
 ISSUE DATE: 22-08-2017
 ORDNANCE SURVEY IRELAND LICENCE NO. AR 0021817 © Ordnance Survey Ireland/Government of Ireland

360 degrees was produced calculating an area 10 metres from ground level up to a two kilometre radius. The resulting viewshed image was then cropped to 180 degrees to give the viewshed from each VP location in line with SNH (2014). A 500m buffer was applied to the likely maximum viable area of the site for a wind energy development in line with SNH's recommendation to conduct surveys to 500m from the outermost turbines of a proposed wind farm site (2014). The viewshed analysis offers maximum views of the study area with adequate coverage of the proposed turbine layout. As described above, the predicted collision risk height band that was used in the current assessment (>25m) is considered to be precautionary and highly conservative and in line with previous recommended height bands advocated in SNH (2005) guidance documents. Appendix 1-2, Figure 1.1.

2.1.4.3 Breeding Walkover Survey

The methodology utilised during the breeding bird survey of the site followed that devised by O'Brien & Smith (1992) for lowland waders, as recommended in SNH (2014). A desk study and site visit identified species such as lapwing, redshank, oystercatcher, snipe and ringed plover as being the most likely wader species to be encountered on the site. The survey area extended 500m beyond the site boundary.

This method involves visiting the area three times, once in April, once in May and once in June and walking transects that ensure that every part of suitable habitat is approached to within 100m within three hours of sunrise. The location, movement and behaviour of all species are recorded on a map, these three maps are then analysed and the location of the breeding territories of all species plotted. Though the methodology is devised for waders all other species were also recorded with particular emphasis given to those of conservation concern.

All areas of scrub and woodland were surveyed using a more generic Common Birds Census methodology as found in Marchant (1983), where a constant effort approach is taken walking transects that allow the observer to approach every part of the site. The maps are then compared and territories of each species identified. As well as wader and passerine species these methods ensure sufficient coverage is given to the site and a 500m buffer to identify all other species that may be encountered. Survey effort undertaken for transect surveys is presented in Appendix 1-2, Table 2 to this report, including details of survey duration and weather conditions. Appendix 1-2, Figure 1.2 shows the transect route locations and technical data is provided in Appendix 1-2, Table 5.




2.1.4.4 Breeding Raptor Survey

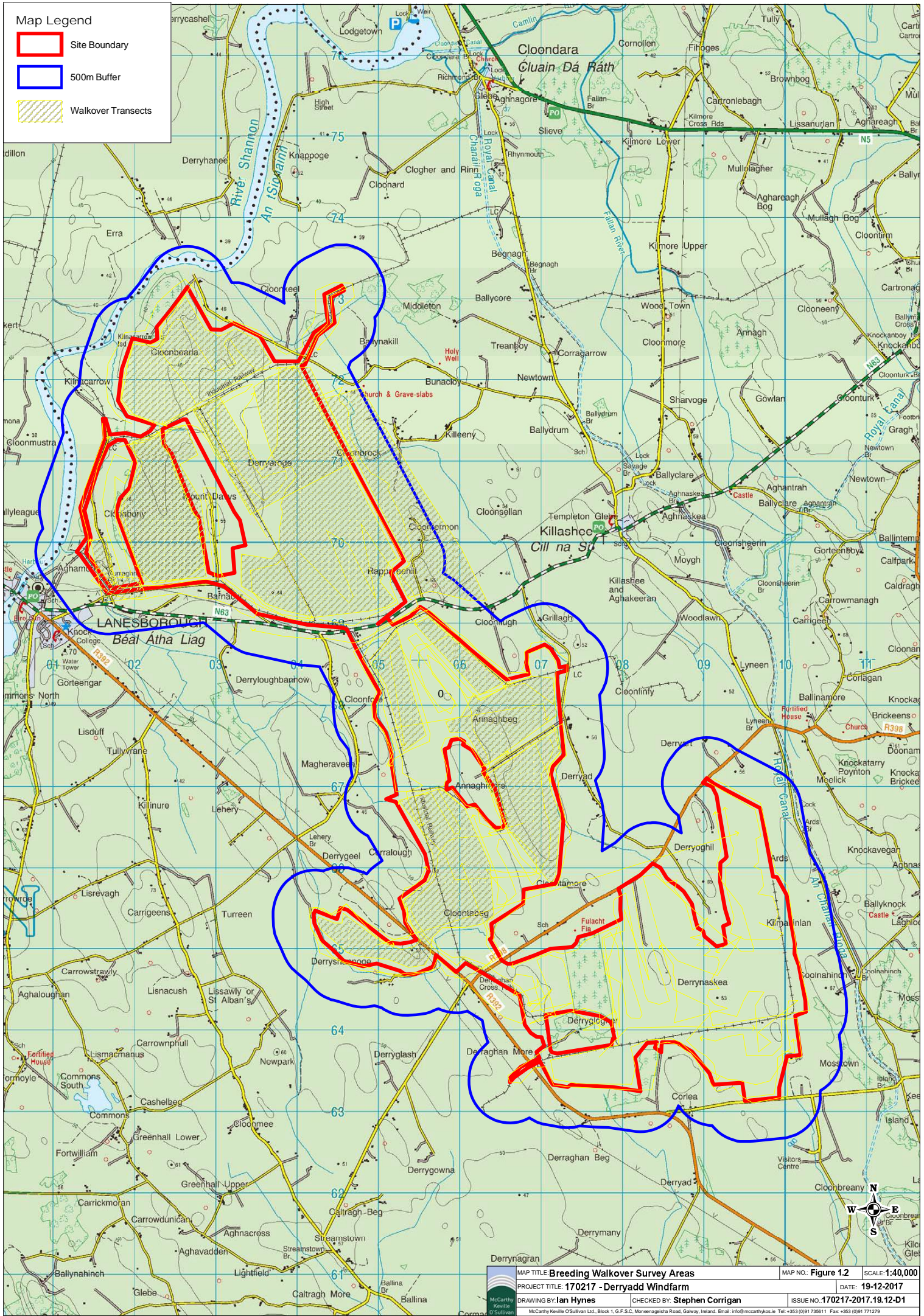
Breeding raptor surveys (i.e. birds of prey and owls) were conducted within the study area and its immediate surrounds. The survey area extended 2km beyond the site boundary. The aim of these surveys was to identify attempted or successful breeding attempts by raptor pairs, and ascertain their territories within the study area. Methodology followed Hardey *et al.* (2013). Raptor surveys, in the form of walked transects and vantage points watches, were conducted within the study area and lands up to 2km outside the study area boundary on a monthly basis during the core breeding season (April, May, June and July 2017). (Full details of survey effort are provided in Appendix 1.2 Table 2. Appendix 1-2, Figure 1.3 shows the two kilometre survey buffer and technical data is provided in Appendix 1-2, Table 6.

2.1.4.5 Wetland and Waterbird Counts

Due to the proximity of Lough Ree Special Protection Area, Waterfowl Distribution Surveys were carried out in suitable habitat on the site and within 2km twice per month in August. The aim of these surveys was to identify the presence of Special

Map Legend

-  Site Boundary
-  500m Buffer
-  Walkover Transects



	MAP TITLE: Breeding Walkover Survey Areas	MAP NO: Figure 1.2	SCALE: 1:40,000
	PROJECT TITLE: 170217 - Derryad Windfarm	DATE: 19-12-2017	
DRAWING BY: Ian Hynes	CHECKED BY: Stephen Corrigan	ISSUE NO: 170217-2017.19.12-D1	

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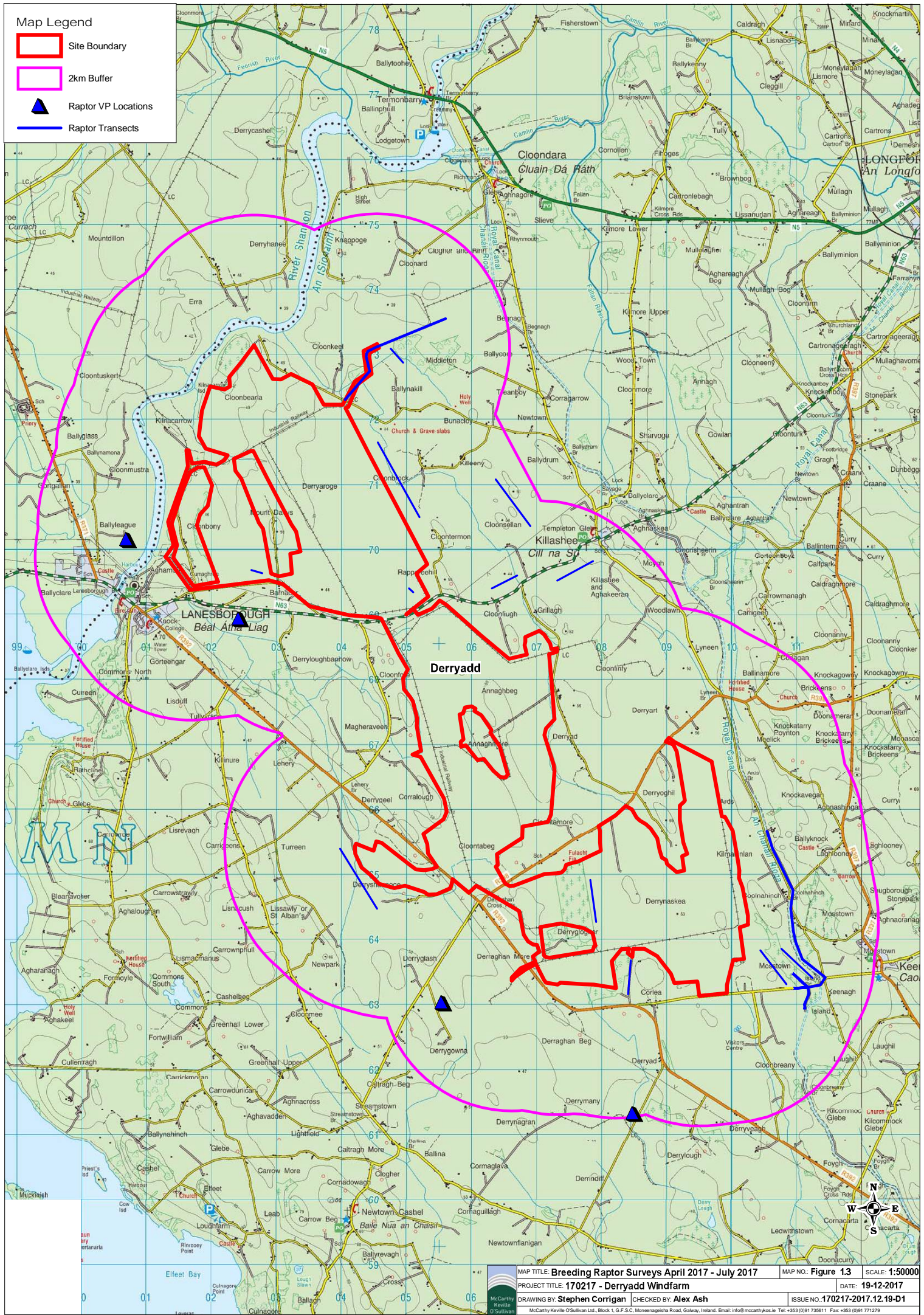
Map Legend

Site Boundary

2km Buffer

Raptor VP Locations

Raptor Transects



MAP TITLE: Breeding Raptor Surveys April 2017 - July 2017	MAP NO: Figure 1.3	SCALE: 1:50000
PROJECT TITLE: 170217 - Derryadd Windfarm	DATE: 19-12-2017	
DRAWING BY: Stephen Corrigan	CHECKED BY: Alex Ash	ISSUE NO. 170217-2017.12.19-D1

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Conservation Interests of the SPA, specifically golden plover, lapwing and several duck species and whooper swan towards the end of September. It was recommended that these surveys continued until May 2018. The count methodology was in line with survey methodology guidelines issued by SNH (2014) and BirdWatch Ireland (2015). Counts were undertaken in August 2017 (see Appendix 1-2, Table 2). Counts were conducted during daylight hours from suitable vantage points at areas that were likely to hold target species, these included areas of grassland and cutover bog that were suitable for feeding and roosting waders and wildfowl. Appendix 1-2, Figure 1.4 shows the count locations and Appendix 1-2, Figure 1.5 shows the additional whooper swan survey areas to the southwest. Technical data is provided in Appendix 1-2, Table 7.

2.1.4.6 Woodcock Surveys

A breeding season survey for this species was conducted in accordance with Gilbert et.al (1998). The survey area extended 500m beyond the site boundary. Three site visits were conducted in areas of suitable habitat during June 2017. Surveys commenced one hour before sunset and finished one hour after sunset or until it was too dark to see. Survey effort undertaken for transect surveys is presented in Appendix 1-2, Table 2 to this report, including details of survey duration and weather conditions. Figure 1.6 shows the transect route locations. Technical data is provided in Appendix 1-2, Table 8.

2.2 Baseline Conditions and Receptor Evaluation

2.2.1 Desk study Results

2.2.1.1 Identification of Designated Sites within the Likely Zone of Influence

Using GIS software, sites designated for nature conservation within the potential ZOI of any proposed wind farm development were identified. The ZOI was derived utilising a precautionary approach. Sites within a 15 kilometre radius of the proposed works were identified.

In addition, and in the absence of any specific European or Irish guidance, the Scottish Natural Heritage (SNH) Guidance, '*Assessing Connectivity with Special Protection Areas (SPA)*' (2016) was consulted. This document provides guidance in relation to the identification of connectivity between proposed development proposals and Special Protection Areas. The guidance takes into consideration the distances some species may travel beyond the boundary of their SPAs and outlines information on dispersal and foraging ranges of bird species which are frequently encountered when considering plans and projects.

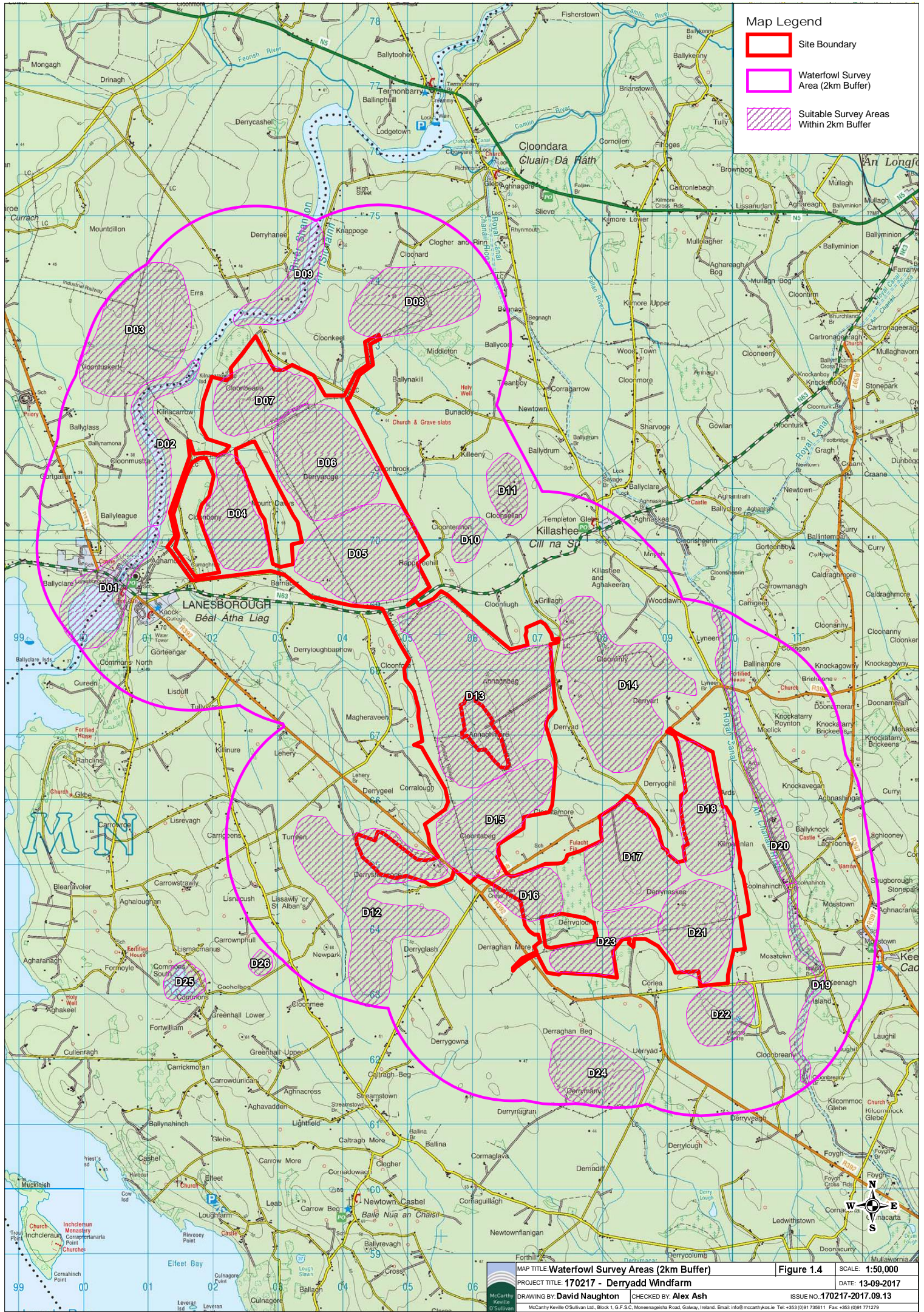
Designated sites located within the Likely Zone of Influence are listed below in Table 3.1 and illustrated in Appendix 1-2, Figure 2.1.

Table 3.1 Designated sites within 15 kilometres of site

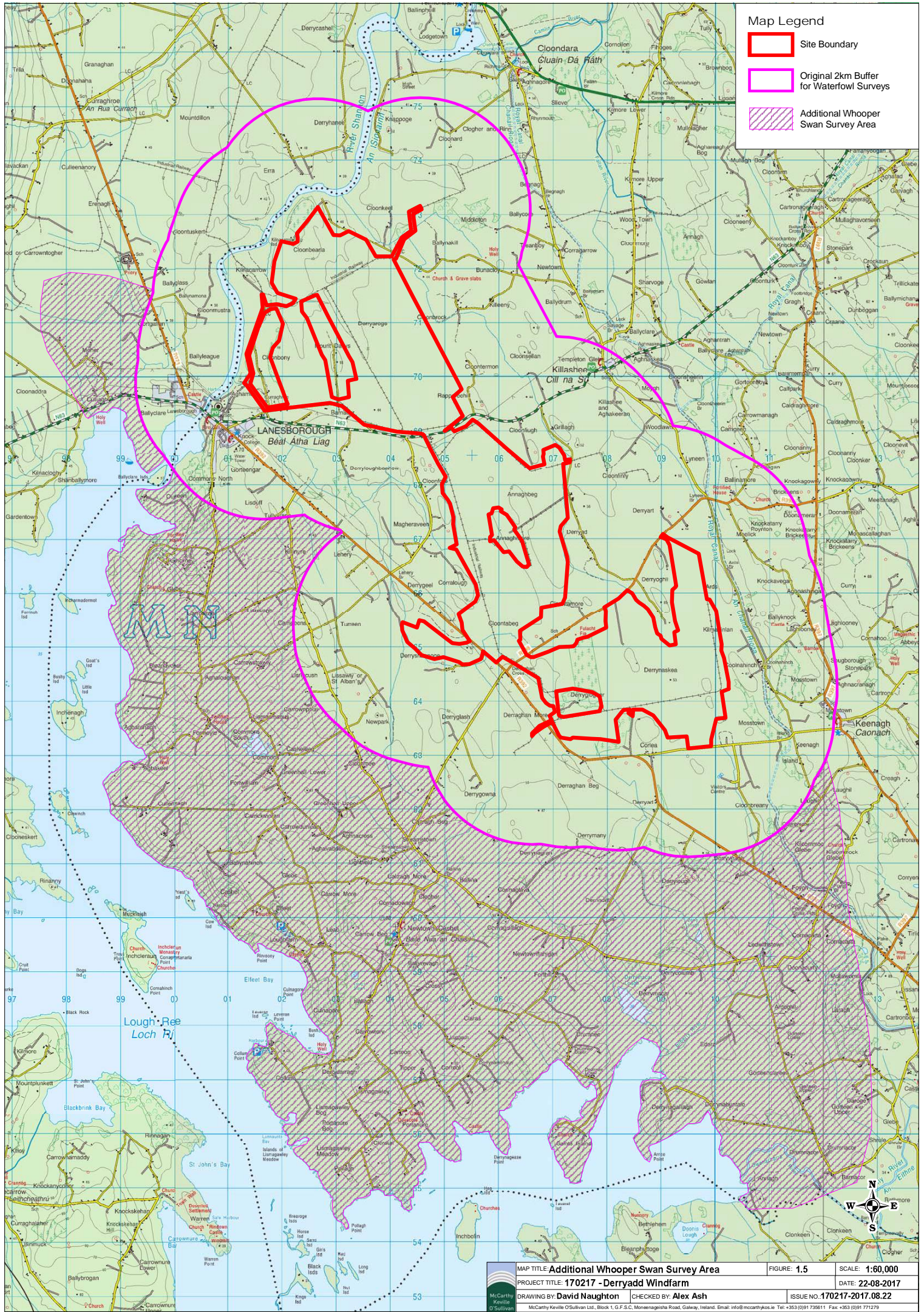
Designated site and code	Distance from proposed works (km)
Natural Heritage Area (NHA)	
Forthill Bog (001448)	3.69
Mount Jessop Bog (001450)	3.84
Lisnarrigh Bog (002072)	5.97
Derrycanan Bog (000605)	9.66
Rinn River (000691)	11.66
Cloonageeher Bog (001423)	12.30
Aghnamona Bog (000422)	12.79

Map Legend

- Site Boundary
- Waterfowl Survey Area (2km Buffer)
- Suitable Survey Areas Within 2km Buffer



	MAP TITLE: Waterfowl Survey Areas (2km Buffer)	Figure 1.4	SCALE: 1:50,000
	PROJECT TITLE: 170217 - Derryadd Windfarm		DATE: 13-09-2017
	DRAWING BY: David Naughton	CHECKED BY: Alex Ash	ISSUE NO: 170217-2017.09.13
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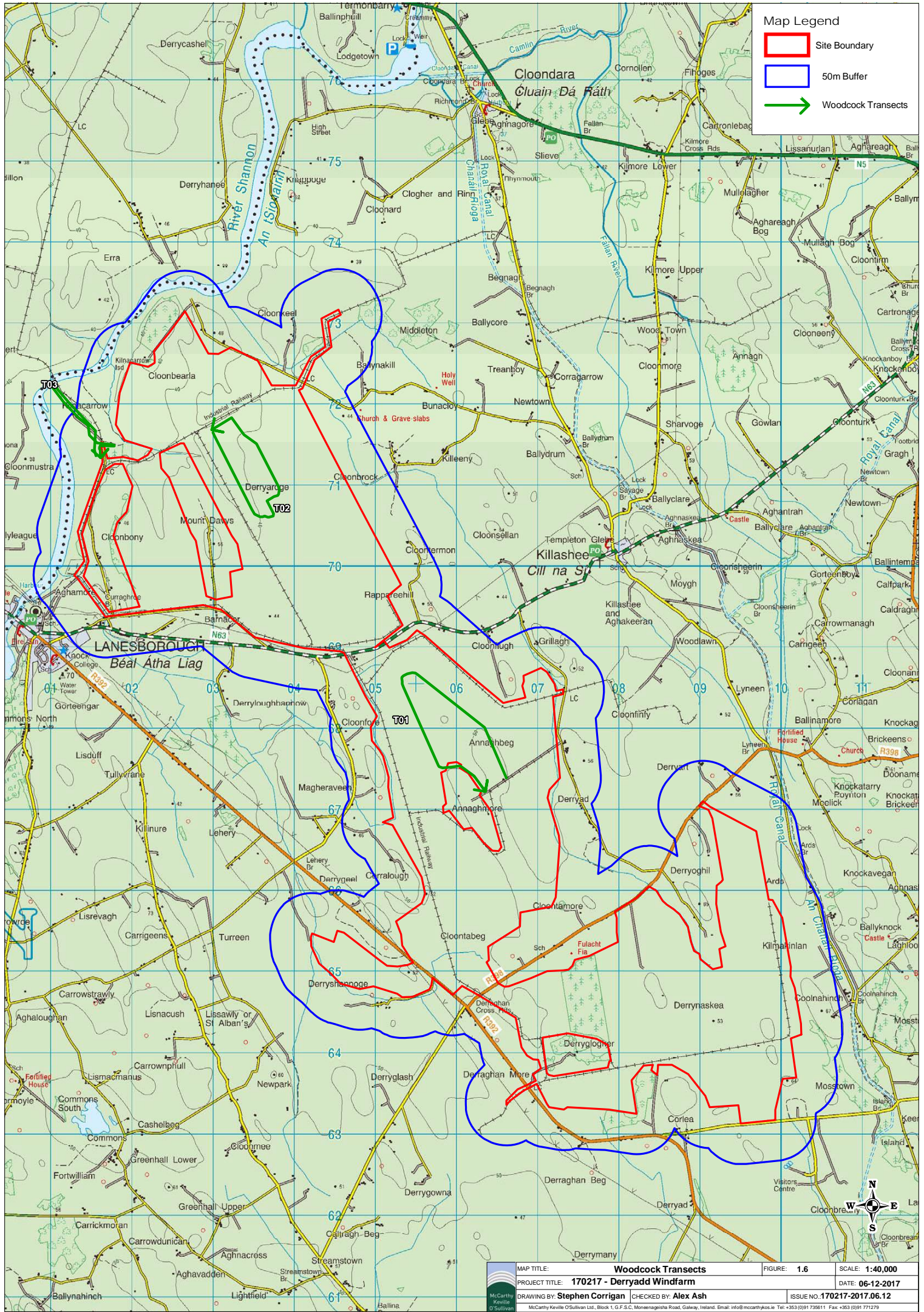


Map Legend

- Site Boundary
- Original 2km Buffer for Waterfowl Surveys
- Additional Whooper Swan Survey Area

MAP TITLE: Additional Whooper Swan Survey Area	FIGURE: 1.5	SCALE: 1:60,000
PROJECT TITLE: 170217 - Derryadd Windfarm		DATE: 22-08-2017
DRAWING BY: David Naughton	CHECKED BY: Alex Ash	ISSUE NO. 170217-2017.08.22

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Map Legend

- Site Boundary
- 50m Buffer
- ➔ Woodcock Transects

MAP TITLE: Woodcock Transects	FIGURE: 1.6	SCALE: 1:40,000
PROJECT TITLE: 170217 - Derryddag Windfarm	DATE: 06-12-2017	
DRAWING BY: Stephen Corrigan	CHECKED BY: Alex Ash	ISSUE NO.: 170217-2017.06.12

Designated site and code	Distance from proposed works (km)
Natural Heritage Area (NHA)	
Corracramph Bog (001420)	15.74
Special Protection Areas (SPA)	
Lough Ree (004064)	0.90
Ballykenny-Fisherstown Bog (004101)	3.45
Proposed Natural Heritage Area (pNHA)	
Lough Bawn (001819)	0
Lough Bannow (000449)	0.09
Royal Canal (002103)	0.34
Lough Ree (000440)	0.89
Cordara Turlough (001821)	1.79
Derry Lough (001444)	2.61
Fortwilliam Turlough (000448)	3.02
Lough Forbes Complex (001818)	3.43
Lough Slawn (001443)	5.19
Brown Bog (000442)	5.38
Corbo Bog (000602)	5.93
Derrymore Bog (000447)	7.17
Special Areas of Conservation	
Lough Ree (000440)	0.89
Fortwilliam Turlough (000448)	3.03
Lough Forbes Complex (001818)	3.47
Mount Jessop Bog (002202)	3.84
Brown Bog (002346)	5.38
Corbo Bog (002349)	5.93
Clooneen Bog (002348)	9.69
Annaghmore Lough (Roscommon) (001626)	14.21

2.2.1.2 Breeding and Winter Bird Atlas Records

Bird Atlas 2007-11: The breeding and wintering birds of Britain and Ireland (Balmer et al., 2013) is the most recent comprehensive work on wintering and breeding birds in Ireland.

The study area lies within hectads N05, N06, N07, N16 and N17. Table 3.2 presents a list of species of conservation interest recorded from the relevant hectad.

Table 3.2 Species of conservation interest recorded in 2007-11 Bird Atlas

Species Name	Winter Atlas 07-11 Hectad N05, N06, N07, N16, N17	Breeding Atlas 07- 11 Hectad N05, N06, N07, N16, N17	Conservation Status
White-fronted Goose (<i>Anser albifrons</i>)	Absent	Absent	Annex I EU Birds Directive, BOCCI Amber Listed
Bewick's Swan (<i>Cygnus columbianus</i>)	Absent	Absent	Annex I EU Birds Directive, BOCCI Red Listed

Species Name	Winter Atlas 07-11 Hectad N05, N06, N07, N16, N17	Breeding Atlas 07- 11 Hectad N05, N06, N07, N16, N17	Conservation Status
Whooper Swan (<i>Cygnus cygnus</i>)	Present	Absent	Annex I EU BirdDirective, BOCCI Amber Listed, SCI of SPA within a potential zone of influence (A038)
Wigeon (<i>Anas penelope</i>)	Present	Absent	BOCCI Red Listed, SCI of SPA within a potential zone of influence (A050)
Shoveler (<i>Anas clypeata</i>)	Present	Probable	BOCCI Red Listed, SCI of SPA within a potential zone of influence (A056)
Pintail (<i>Anus acuta</i>)	Absent	Absent	BOCCI Red Listed
Pochard (<i>Aythya ferina</i>)	Present	Absent	BOCCI Red Listed
Tufted Duck (<i>Aythya fuligula</i>)	Present	Probable	BOCCI Red Listed, SCI of SPA within a potential zone of influence (A061)
Common Scoter (<i>Melanitta nigra</i>)	Absent	Absent	BOCCI Red Listed, SCI of SPA within a potential zone of influence (A065)
Goldeneye (<i>Bucephala clangula</i>)	Present	Absent	BOCCI Red Listed, SCI of SPA within a potential zone of influence (A067)
Red Grouse (<i>Lagopus lagopus</i>)	Absent	Absent	BOCCI Red Listed
Grey Partridge (<i>Perdix perdix</i>)	Absent	Absent	BOCCI Red Listed
Little Egret (<i>Egretta garzetta</i>)	Present	Confirmed	Annex I EU Birds Directive
Hen Harrier (<i>Circus cyaneus</i>)	Present	Absent	Annex I EU Birds Directive, BOCCI Amber Listed
Corncrake (<i>Crex crex</i>)	N/A	Absent	Annex I EU Birds Directive, BOCCI Red Listed
Lapwing (<i>Vanellus vanellus</i>)	Present	Probable	BOCCI Red Listed, SCI of SPA within a potential zone of influence (A142)
Golden Plover (<i>Pluvialis apricaria</i>)	Present	Non-breeding (Present)	Annex I EU Birds Directive, BOCCI Red Listed, SCI of SPA within a potential zone of influence (A140)
Woodcock (<i>Scolopax rusticola</i>)	Present	Probable	BOCCI Red Listed
Curlew (<i>Numenius arquata</i>)	Present	Confirmed	BOCCI Red Listed
Redshank (<i>Tringa totanus</i>)	Absent	Confirmed	BOCCI Red Listed

Species Name	Winter Atlas 07-11 Hectad N05, N06, N07, N16, N17	Breeding Atlas 07- 11 Hectad N05, N06, N07, N16, N17	Conservation Status
Dunlin (<i>Calidris alpina</i>)	Absent	Absent	Annex I EU Birds Directive, BOCCI Red Listed
Black-headed Gull (<i>Chroicocephalus ridibundus</i>)	Present	Confirmed	BOCCI Red Listed
Herring Gull (<i>Larus argentatus</i>)	Present	Absent	BOCCI Red Listed
Barn Owl (<i>Tyto alba</i>)	Present	Confirmed	BOCCI Red Listed
Merlin (<i>Falco columbarius</i>)	Present	Absent	Annex I EU Birds Directive, BOCCI Amber Listed

BD = EU Birds Directive Annex I; RL = BoCCI Red List; Breeding = Breeding Confirmed, Probable = Breeding probable, not confirmed; Possible = Breeding possible, not confirmed; Absent = not present, non-breeding.

Twenty-five species listed in Annex I of the EU Birds Directive have been recorded within the relevant ten kilometre squares during surveys for the most recent breeding and wintering bird atlases. Table 3.2 outlines those species recorded in the relevant hectads during the most recent breeding and winter bird atlas studies that are also protected under the EU Birds Directive or mentioned on the Birds of Conservation Concern in Ireland (BoCCI) red list.

2.2.1.3 Irish Wetland Bird Survey (IWeBS) Records

The site is close to five IWeBS sites. Data from IWeBS sites have been used to estimate wintering populations of waterbirds. Datasets for the following sites were downloaded from www.birdwatchireland.ie and reviewed:

- Lough Ree
- Turreen Trough
- Cordara Turlough
- Fortwilliam Turlough
- River Shannon (Termonbarry – Lanesborough)

2.2.1.4 Identification of potential waterfowl habitat

A search for suitable waterfowl roosting and feeding habitat using ortho-base maps and ordnance survey maps of the study area was undertaken alongside reconnaissance surveys within a two kilometre radius of the site. Suitable roost sites (e.g. ponds, rivers, lakes, reservoirs) deemed suitable to support wintering and migratory bird species were identified within a two kilometre radius of the study area and hinterland waterfowl counts were conducted at these sites (Table 3.3) to detect any movement of wintering and migratory birds from these areas to the study area at Derryadd. Additional sites of interest were also surveyed outside of the two kilometre buffer for waterbirds (Cordara Turlough and Fortwilliam Turlough).

Table 3.3 Suitable Wintering/Migratory Waterfowl Sites Surveyed

Site Name	Site Location	Proximity to Site (km)
Lough Ree	E200500 N268700	0.9
Cordara Turlough	E203000 N263500	2.1
Fortwilliam Turlough	E201500 N263300	3.3

3 FIELD SURVEY RESULTS

A comprehensive list of all bird species recorded within the study area is provided in Appendix 1-2, Table 1. This list also provides the conservation status of each species.

The following target species were recorded during the ornithological surveys and observations are described in the sections below:

- Canada Goose
- Mute Swan
- Mallard
- Tufted Duck
- Little Grebe
- Great Crested Grebe
- Grey Heron
- Little Egret
- Cormorant
- Sparrowhawk
- Hen Harrier
- Buzzard
- Moorhen
- Coot
- Lapwing
- Golden Plover
- Ringed Plover
- Woodcock
- Common Snipe
- Whimbrel
- Curlew
- Redshank
- Black-headed Gull
- Common Gull
- Lesser Black-backed Gull
- Common Tern
- Short-eared Owl
- Kestrel
- Peregrine Falcon
- Meadow Pipit

The following sections describe the observations of each target species under the individual survey headings. Raw data and maps are provided in Appendix 1-2.

3.1 Vantage Point Surveys Results

3.1.1 Swans, Geese and Ducks

3.1.1.1 Canada Goose (*Branta canadensis*)

Canada goose were observed in flight on one occasion below potential collision height (PCH) during the 2017 breeding survey period. The observation consisted of one bird. Canada goose were recorded once in April 2017. The individual was recorded travelling across the site. A map showing the results of the breeding season surveys is provided as Figure 3.1.1.

3.1.1.2 Mute Swan (*Cygnus olor*)

Mute swan was observed in flight on eleven occasions, three of which were at potential collision height (PCH) during the 2017 breeding survey period. Numbers recorded ranged from one to six birds. Mute swan activity was relatively low throughout the breeding survey period, with the highest amount of activity occurring in May 2017 and September 2017. The majority of observed mute swan activity was travelling with no observed instances of breeding behaviour. A map showing the results of the breeding season surveys is provided as Figure 3.1.2.

3.1.1.3 Mallard (*Anas platyrhynchos*)

Mallard was observed in flight on 106 occasions, 24 of which were at potential collision height (PCH) during the 2017 breeding survey period. Numbers recorded ranged from one to eight birds. Species activity was relatively high throughout the breeding survey period with activity spread across the breeding season. The majority of observed species activity was travelling with no observed instances of breeding behaviour. A map showing the results of the breeding season surveys is provided as Figure 3.1.3.

3.1.2 Divers, Grebes, Herons, Cormorants

3.1.2.1 Grey Heron (*Ardea cinerea*)

Grey heron was observed in flight on 66 occasions, eight of which were at potential collision height (PCH) during the 2017 breeding survey period. Numbers recorded ranged from one to three birds. Grey heron activity was spread across the survey season. The majority of observed grey heron activity consisted of individuals travelling along the river to the north of the site. No breeding activity was recorded during the breeding season. A map showing the results of the breeding season surveys is provided as Figure 3.1.4.

3.1.2.2 Little Egret (*Egretta garzetta*)

Little egret was observed in flight on 23 occasions, nine of which were at potential collision height (PCH) during the 2017 breeding survey period. Numbers recorded ranged from one to three birds. Little egret activity was spread across the survey season. The majority of observed little egret activity was individuals travelling along the river to the north of the site. No breeding activity was recorded during the breeding season. A map showing the results of the breeding season surveys is provided as Figure 3.1.5.

3.1.2.3 Cormorant (*Phalacrocorax auritus*)

Cormorant was observed in flight on 211 occasions, 91 of which were at potential collision height (PCH) during the 2017 breeding survey period. Numbers recorded ranged from one to nine birds. Cormorant activity was spread across the survey season. The majority of observed cormorant activity was individuals travelling along the river to the north of the site. No breeding activity was recorded on site during the breeding season. Maps showing the monthly results of the breeding season surveys are provided in Figures 3.1.6. – 3.1.11.

3.1.3 Raptors

3.1.3.1 Sparrowhawk (*Accipiter nisus*)

The species were observed in flight on 45 occasions eight of which were at potential collision height (PCH) during the 2017 breeding survey period. Numbers recorded ranged from one to two birds. Flight activity was spread across the survey season. The majority of observed activity was individuals travelling and hunting along the northern

and southern boundaries of the site. No breeding activity was recorded on site during the breeding season. A map showing the results of the breeding season surveys is provided as Figure 3.1.12.

3.1.3.2 Hen Harrier (*Circus cyaneus*)

This species was observed in flight on one occasion flying below potential collision height (PCH) during the 2017 breeding survey period. Only one bird was observed. Flight activity was recorded during August 2017. The individual was recorded travelling along the northern boundary of the site. No breeding activity was recorded on site during the breeding season. A map showing the results of the breeding season surveys is provided as Figure 3.1.13.

3.1.3.3 Buzzard (*Buteo buteo*)

This species was observed in flight on 138 occasions, 63 of which were at potential collision height (PCH) during the 2017 breeding survey period. Numbers recorded ranged from one to two birds at any one time. Flight activity was spread across the survey season. The majority of observed activity was individuals travelling and hunting on the site. A pair was recorded soaring in June 2017 on the southwestern edge of the site and a pair was observed displaying on the northern edge of the site in July 2017. A map showing the results of the breeding season surveys is provided as Figure 3.1.14.

3.1.3.4 Kestrel (*Falco tinnunculus*)

This species was observed in flight on 93 occasions 29 of which were at potential collision height (PCH) during the 2017 breeding survey period. Numbers recorded ranged from one to three birds. Flight activity was spread across the survey season. The majority of observed activity was individuals travelling and hunting along the across the site. No breeding activity was recorded on site during the breeding season. A map showing the results of the breeding season surveys is provided as Figure 3.1.15.

3.1.3.5 Peregrine Falcon (*Falco peregrinus*)

This species was observed in flight on three occasions two of which were at potential collision height (PCH) during the 2017 breeding survey period. Numbers recorded ranged from one to two birds. Flight activity was spread across the survey season. The majority of observed activity was individuals travelling and hunting on the site. No breeding activity was recorded on site during the breeding season. A map showing the results of the breeding season surveys is provided as Figure 3.1.16.

3.1.3.6 Short-eared Owl (*Asio flammeus*)

This species was observed in flight on one occasion flying below potential collision height (PCH) during the 2017 breeding survey period. One individual was recorded. The individual was recorded travelling in September 2017. No breeding activity was recorded on site during the breeding season. A map showing the results of the breeding season surveys is provided as Figure 3.1.17.

3.1.4 Rails

3.1.4.1 Moorhen (*Gallinula chloropus*)

This species was observed in flight on two occasions none of which were at potential collision height (PCH) during the 2017 breeding survey period. Only one individual was recorded on each occasion. Recorded flight activity was in June and August 2017. Recorded observed activity was individuals flushed by disturbance and travelling across the site respectively. No breeding activity was recorded on site during the

breeding season. A map showing the results of the breeding season surveys is provided as Figure 3.1.18.

3.1.5 Waders

3.1.5.1 Lapwing (*Vanellus vanellus*)

This species was observed in flight on four occasions, two of which were at potential collision height (PCH) during the 2017 breeding survey period. Numbers recorded ranged from one to 80 birds. Flight activity was spread across the breeding season 2017. The majority of observed activity was individuals travelling across the site. No breeding activity was recorded on site during the breeding season. A map showing the results of the breeding season surveys is provided as Figure 3.1.19.

3.1.5.2 Golden Plover (*Pluvialis apricaria*)

This species was observed in flight on thirteen occasions, seven of which were at potential collision height (PCH) during the 2017 breeding survey period. Numbers recorded ranged from one to 275 birds. Flight activity was concentrated in April and May 2017. The majority of observed activity was individuals travelling across the site. No breeding activity was recorded on site during the breeding season. A map showing the results of the breeding season surveys is provided as Figure 3.1.20.

3.1.5.3 Woodcock (*Scolopax rusticola*)

This species was observed in flight on one occasion below potential collision height (PCH) during the 2017 breeding survey period. One individual was recorded exhibiting breeding activity roding on the southern edge of the site in May 2017. A map showing the results of the breeding season surveys is provided as Figure 3.1.21.

3.1.5.4 Common Snipe (*Gallinago gallinago*)

This species was observed in flight on 42 occasions, 20 of which were at potential collision height (PCH) during the 2017 breeding survey period. Numbers recorded ranged from one to ten birds. Flight activity was spread across the breeding season 2017. The majority of observed activity consisted of individuals travelling across the site. Displaying birds were recorded on site during the breeding season mainly during May and concentrated along the River Shannon north of the site. A map showing the results of the breeding season surveys is provided as Figure 3.1.22.

3.1.5.5 Whimbrel (*Numenius phaeopus*)

This species was observed in flight on four occasions, three of which were at potential collision height (PCH) during the 2017 breeding survey period. Numbers recorded ranged from one to twelve birds. Flight activity was concentrated in April and May 2017, the peak month of migration as birds head north to their breeding locations in Iceland. The majority of observed activity was individuals travelling across the site. No breeding activity was recorded on site during the breeding season 2017. A map showing the results of the breeding season surveys is provided as Figure 3.1.23.

3.1.5.6 Curlew (*Numenius arquata*)

This species was observed in flight on seven occasions, four of which were at potential collision height (PCH) during the 2017 breeding survey period. Numbers recorded ranged from one to four birds. Flight activity was concentrated in August 2017. The majority of observed activity comprised individuals travelling across the site. No breeding activity was recorded on site during the breeding season 2017. A map showing the results of the breeding season surveys is provided as Figure 3.1.24.

3.1.5.7 Redshank (*Tringa tetanus*)

This species was observed in flight on one occasion at potential collision height (PCH) during the 2017 breeding survey period. One bird was recorded travelling north of the site in May 2017. No breeding activity was recorded on site during the breeding season 2017. A map showing the results of the breeding season surveys is provided as Figure 3.1.25.

3.1.6 Gulls and Terns

3.1.6.1 Black-headed Gull (*Chroicocephalus ridibundus*)

This species was observed in flight on 90 occasions, 20 of which were at potential collision height (PCH) during the 2017 breeding survey period. Numbers recorded ranged from one to twelve birds at any one occasion. Flight activity was spread across the breeding season 2017. The majority of observed activity was individuals commuting along the Shannon River north of the site. No breeding activity was recorded on site during the breeding season 2017. A map showing the results of the breeding season surveys is provided as Figure 3.1.26.

3.1.6.2 Common Gull (*Larus canus*)

This species was observed in flight on one occasion flying above potential collision height (PCH) during the 2017 breeding survey period. One individual was recorded travelling across site during June 2017. No breeding activity was recorded on site during the breeding season 2017. A map showing the results of the breeding season surveys is provided as Figure 3.1.27.

3.1.6.3 Lesser Black-backed Gull (*Larus fuscus*)

This species was observed in flight on 1147 occasions, 569 of which were at potential collision height (PCH) during the 2017 breeding survey period. Numbers recorded ranged from one to 86 birds at any one time. Flight activity was spread across the breeding season 2017. The majority of observed activity consisted of individuals commuting along the Shannon River north of the site; however birds were recorded travelling across the majority of the site. No breeding activity was recorded on site during the breeding season 2017. Maps showing the monthly results of the breeding season surveys is provided as Figure 3.1.28. – 3.1.33.

3.1.6.4 Common Tern (*Sterna hirundo*)

This species was observed in flight on two occasions none of which were at potential collision height (PCH) during the 2017 breeding survey period. Numbers recorded ranged from one to two birds. Flight activity was recorded during May and July 2017. The majority of observed activity consisted of individuals commuting along the Shannon River north of the site. No breeding activity was recorded on site during the breeding season 2017. A map showing the results of the breeding season surveys is provided as Figure 3.1.34.

3.2 Breeding Walkover Survey Results

3.2.1.1 Mute Swan

One territory was identified for this species. Breeding activity was observed on site in April 2017 and June 2017 from a pair which were recorded within the 500m buffer of

the site boundary on the northeastern section of the site. A map showing the results of the breeding season surveys is provided on one map as Figure 3.2.1.

3.2.1.2 Mallard

One breeding territory was identified for this species. Breeding activity was observed on site in May 2017 from a family group which were recorded within the 500m buffer of the site boundary on the southwestern section of the site. A map showing the results of the breeding season surveys is provided as Figure 3.2.2.

3.2.1.3 Little Grebe

One breeding territory was identified for this species. Breeding activity was observed on site in April 2017 from a displaying individual which was recorded within the 500m buffer of the site boundary on the northeastern section of the site. A map showing the results of the breeding season surveys is provided as Figure 3.2.3.

3.2.1.4 Moorhen

One breeding territory was identified for the species. Breeding activity was observed on site from an individual alarm calling in April 2017 and calling in June 2017 which was recorded within the 500m buffer of the site boundary on the northeastern section of the site. A map showing the results of the breeding season surveys is as Figure 3.2.4.

3.2.1.5 Lapwing

One breeding territory was identified for this species. Breeding activity was observed on site from an individual displaying in April 2017 and June 2017 which was recorded within the 500m buffer of the site boundary on the northeastern section of the site. A map showing the results of the breeding season surveys is provided as Figure 3.2.5.

3.2.1.6 Ringed Plover

Seven breeding territories were identified for this species. Breeding activity was observed on site from pairs and individuals alarm calling in April, May and June 2017, recorded across the site within the site boundary and the 500m buffer of the site boundary. A map showing the results of the breeding season surveys is provided as Figure 3.2.6.

3.2.1.7 Common Snipe

Sixteen breeding territories were identified for this species. Breeding activity was observed on site from individuals displaying in April, May and June 2017 which were recorded across the site within the site boundary and the 500m buffer of the site boundary. A map showing the results of the breeding season surveys is as Figure 3.2.7.

3.2.1.8 Meadow Pipit

A total of 136 breeding territories were identified for the species. Breeding activity consisted of observed pairs, individuals displaying and alarm calling and adults carrying food in April, May and June 2017. These activities were recorded across the site within the site boundary and the 500m buffer of the site boundary. A map showing the results of the breeding season surveys is provided on one map as Figure 3.2.8.

3.3 Breeding Raptor Survey Results

3.3.1.1 Sparrowhawk

During surveys from April 2017 to July 2017, seven sparrowhawk flights were recorded with an individual noted on one occasion (in July) carrying prey to a probable nest site

(N202418 E268728) within 2km of the site boundary. This probable nest site was recorded as an area of bog woodland (WN7) that an individual was recorded bringing prey into. A map showing the results of the breeding season surveys is provided as Figure 3.3.1.

3.3.1.2 Buzzard

During surveys between April 2017 and July 2017, twelve buzzard flights were recorded with a pair noted on one occasion (in July) territorially displaying at (N205694 E262728) over bog woodland (WN7) and mixed broadleaved woodland (WD1) and peat bog within 2km of the site boundary. A map showing the results of the breeding season surveys is provided on one map as Figure 3.3.2.

3.4 Waterfowl Surveys

3.4.1.1 Mute Swan (*Cygnus olor*)

This species was observed within 2km of the site boundary in August 2017 with the largest recorded flock consisting of five individuals. Cygnets were recorded with adults within the D01 survey area (Figure 1.4).

3.4.1.2 Mallard (*Anas platyrhynchos*)

The species was observed within 2km of the site boundary in August 2017 with the largest recorded flock containing eleven individuals. The species was recorded at survey areas D01 and D25 (Figure 1.4).

3.4.1.3 Tufted Duck (*Aythya fuligula*)

This species was observed within 2km site boundary in August 2017 with one individual recorded feeding at survey area D01 (Figure 1.4).

3.4.1.4 Little Grebe (*Tachybaptus ruficollis*)

This species was observed within 2km site boundary in August 2017 with one individual recorded feeding at survey area D01 (Figure 1.4).

3.4.1.5 Great Crested Grebe (*Podiceps cristatus*)

This species was observed within the 2km site boundary in August 2017 with the largest recorded flock having nine individuals. The species was recorded at survey areas D01 and D02. Three chicks were recorded at D01 indicating breeding activity. (Figure 1.4).

3.4.1.6 Grey Heron (*Ardea cinerea*)

This species was observed within the 2km site boundary in August 2017 with the largest recorded number at any one time consisting of two individuals. The species was recorded at survey areas D02 and D20 (Figure 1.4).

3.4.1.7 Little Egret (*Egretta garzetta*)

This species was observed outside of the 2km site boundary in August 2017 with one individual recorded feeding at survey area D25 within Fortwilliam Turlough 3km to the southwest (Figure 1.4).

3.4.1.8 Coot (*Fulicula atra*)

This species was observed within 2km site boundary in August 2017 with the largest recorded flock having eleven individuals. The species was recorded at survey area D01 (Figure 1.4).

3.4.1.9 Lapwing (*Vanellus vanellus*)

This species was observed outside of the 2km site boundary in August 2017 with the largest recorded flock having 14 individuals feeding at survey area D25 within Fortwilliam Turlough 3km to the southwest of the study area (Figure 1.4).

3.4.1.10 Black-headed Gull (*Chroicocephalus ridibundus*)

This species was observed within 2km site boundary in August 2017 with the largest recorded flock having five individuals. The species was recorded at survey area D01 (Figure 1.4).

3.4.1.11 Lesser Black-backed Gull (*Larus fuscus*)

This species was observed within 2km site boundary in August 2017 with the largest recorded flock having five individuals. The species was recorded at survey areas D01 and D08 (Figure 1.4).

3.5 Woodcock Surveys

Woodcock were recorded roding during the breeding survey period in June 2017 within the site boundary. Woodcock were recorded during all three surveys. Seven woodcock were recorded roding during the survey period indicating breeding on site. A map showing the results of the breeding season surveys is provided on one map as Figure 3.5.1.

4 DISCUSSION

The following provides a discussion of the target species recorded that are of conservation concern, either as BoCCI red-listed species, Annex I species of the EU Birds Directive or a Special Conservation Interest (SCI) of the Lough Ree SPA. Lesser Black-backed Gull and Cormorant have also been included as they were recorded in particularly large numbers and are associated with Lough Ree SPA.

4.1.1 Ducks

4.1.1.1 Mallard (SCI)

This is a very common and widespread species in Ireland and the presence of one breeding pair and small numbers during the wildfowl surveys is not of concern.

4.1.1.2 Tufted Duck (Red List, SCI)

The presence of one individual during the waterfowl surveys is not of concern given that the SPA is designated for a wintering population of over 1,000 birds.

4.1.2 Diver, Grebes, Herons, Cormorants

4.1.2.1 Little Grebe (SCI)

A breeding territory was located within the 500m buffer of the site but given that this is a common and widespread species one pair or one individual recorded during the waterfowl distribution surveys is not of concern.

4.1.2.2 Little Egret (Annex I)

Though this species is listed on Annex I of the Birds Directive, the population in Ireland is expanding and in the last 30 years its status has changed from rare vagrant to widespread resident with breeding colonies now found in many areas. Twenty-three flights would still represent relatively low flight activity, particularly as only nine were at PCH. There is no evidence at this time that this species breeds on the site or within 2km of the site boundary but given that birds were recorded during the breeding season, it is likely that there is a breeding colony somewhere on Lough Ree beyond the current study area.

4.1.2.3 Cormorant

This species breeds on Lough Ree with 86 nests recorded in 2012 (NPWS (2015)), but is not included as an SCI of the SPA. A high level of flight activity was recorded over the site with 211 flights, 91 of which were at potential collision height (PCH). A collision risk analysis will be needed to fully assess the impact of a wind farm development on this population.

4.1.3 Raptors

4.1.3.1 Hen Harrier (Annex I)

One individual was recorded over the site flying below PCH in August. In Ireland, hen harriers nest in upland areas but can be widespread in lowland areas during the winter months. At this time of year birds are dispersing and this bird may have been passing through, further surveys during the autumn/winter period would confirm the presence of wintering birds and their roost locations.

4.1.3.2 Peregrine (Annex I)

Only three flights were recorded during vantage point surveys representing very low usage of the site. There is no indication that this species is breeding on the site within 2km of the site boundary.

4.1.4 Waders

4.1.4.1 Lapwing (Red List, SCI)

A territory was located in the 500m buffer to the north-east of the site with a displaying bird observed in this area. Pre-construction surveys would be recommended in this area to avoid any impact on breeding lapwing during construction.

4.1.4.2 Golden Plover (Red List, Annex 1, SCI)

Golden plover is an upland breeding species and therefore suitable nesting habitat does not exist on the site or its environs. All flights were recorded in April and May and are likely to relate to late wintering birds or birds on passage on their way north to breeding areas, most likely in Iceland. The flights recorded over the breeding season would have to be considered in the context of the results of surveys over a whole two-year survey period.

4.1.4.3 Woodcock (Red List)

One flight was recorded in May and birds were also observed during the dedicated woodcock surveys during June with a total of nine flights of 'roding' birds observed as shown in Figure 3.5.1. Roding is the name given to the display flights of male birds over their territory.

4.1.4.4 Curlew (Red List)

A low level of flight activity was recorded with seven flights in August, four of which were at PCH. Curlew begin to disperse from upland breeding areas in August to winter in mainly coastal areas, though some may also winter inland where suitable habitat exists. These birds are likely to have been passing through and at this stage this level of flight activity is not of concern.

4.1.4.5 Redshank (Red List)

A very low level of flight activity was recorded with only one flight recorded in May, there was no evidence of breeding on or within 500m of the site, this bird is likely to have been a migrant as it was recorded above PCH passing over the site.

4.1.5 Gulls and Terns

4.1.5.1 Black-headed Gull (Red List)

This species was observed in flight on 90 occasions, twenty of which were at potential collision height (PCH) during the 2017 breeding survey period. The majority of these flights are likely to be associated with the breeding colonies on Lough Ree SPA with birds commuting over the site as they gather food for the young, fledged young dispersing and also migrants passing through from colonies elsewhere. This species does not nest within 2km of the site and is not a SCI of the Lough Ree SPA. It is, however, red-listed and this level of flight activity will need to be fully assessed. A Collision Risk Analysis would be needed using two years of flight data before the impacts on this breeding population could be assessed.

4.1.5.2 Lesser Black-backed Gull

During vantage point surveys, this species was observed in flight on 1147 occasions, 569 of which were at potential collision height (PCH). The majority of observed activity consisted of individuals commuting along the River Shannon north of the site but birds were recorded travelling across the majority of the site. Though lesser black-backed gull is not red-listed or an Annex I species, this represents a very high level of flight activity over the site. There is a colony of approximately 250 pairs on Lough Ree SPA (Hunt, J. et al., 2013) and the majority of these birds are likely to be associated with that colony with some birds also passing through while migrating between breeding and wintering grounds in spring and late summer. This species is not included as a SCI of Lough Ree SPA, but it appears that the breeding colony has expanded and a collision risk analysis would be needed based on two years of data. We would also recommend consultation with NPWS and a survey in 2018 to estimate the number of breeding pairs at this colony. No breeding activity was recorded on site or within 2km of the site during the breeding season 2017.

4.1.5.3 Common Tern (Annex 1, SCI)

One flight involving one bird below PCH was recorded, this species is an SCI of the Lough Ree SPA but this represents very low flight activity over the site.

4.1.6 Passerines

4.1.6.1 Meadow Pipit (red list)

Although this species is red-listed it is a widespread and common species in Ireland and the results of the survey are not of concern in relation to development on this site.

5 CONCLUSION

There were very few species of conservation interest found to be breeding on the site with very small numbers of mallard, little grebe, woodcock and lapwing located during breeding walkovers surveys. No raptor species of conservation concern were found nesting within two kilometres of the site with single pairs of buzzard and sparrowhawk being the only raptor territories identified within the study area.

High flight activity was recorded over the site by three target species; black-headed gull, lesser black-backed gull and cormorant, all of which nest colonially on the nearby Lough Ree SPA, although none of them are designated as Special Conservation Interests of the SPA. Two years of flight activity data and a collision risk analysis will be needed to accurately assess the potential impacts on these populations, along with up to date information on the numbers breeding within the SPA.

Other species of conservation concern that were recorded during vantage point surveys include hen harrier, golden plover, curlew, redshank, common tern and peregrine but all were at low levels of flight activity with the exception of golden plover where moderate numbers were recorded. Two full years of data would be required to fully assess the impacts of the development on these species.

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Appendix 1-1

Curriculum Vitae

STEPHEN CORRIGAN



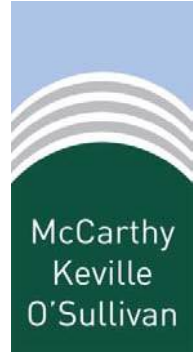
Stephen is an assistant ecologist with McCarthy Keville O'Sullivan. He completed his primary degree in Environmental Science at the National University of Ireland Galway in 2016. Stephen has varied field survey skills, including winter waterfowl counts, bat survey, small mammal survey, terrestrial invertebrate sampling, freshwater macroinvertebrate sampling, vegetation relevés of vascular plants and habitat identification. Stephen is trained in the ecological applications of GIS and MapInfo programmes used in the analysis and interpretation of ecological data especially in relation to the distribution and behaviour of wildfowl.

Proposed Role	Assistant Ecologist
Qualifications	B.Sc. Environmental Science National University of Ireland Galway (2016)
Years of Experience	9 months of post-graduate experience as an ecologist.
Relevant Experience	<ul style="list-style-type: none"> • Vegetation and habitat survey: Stephen has assisted in botanical surveys and habitat identification for a number of Appropriate Assessment Screenings of proposed developments throughout Ireland since September 2016. • Bat surveyor: Stephen has carried out bat surveys in sites covering Galway, Offaly and Donegal. • Waterfowl monitoring. Stephen was involved in projects surveying for the wintering populations of wildfowl in Lough Derg, Co.Galway and Derragh Lough Co.Offaly. • Ecological monitoring: Stephen was involved in projects monitoring the bat populations of Ireland including Batlas 2020. • GIS analysis: Stephen has used MapInfo to map and analyse the flight activity of birds in areas for proposed windfarms. He has also designed methodology for analysing data from multiple surveyors to create maps outlining the distribution of wildfowl in large areas such as Lough Derg Co. Galway.
Practical Skills and Aptitudes	<ul style="list-style-type: none"> • Proficient in Arc GIS, MapInfo and WindFarmer software. • Extensive experience in managing large data sets from multiple sources. • Experience in baseline AA ecological assessment. • Bat surveying and species identification. • Experience in surveying water fowl.
Management/Supervision	<ul style="list-style-type: none"> • Experience managing large teams of individuals for International Bog Day and other public events at the Marble Arch Caves Global Geopark. • Experience managing large teams of individuals for data compilation/analysis and ornithological survey works as part of McCarthy Keville O'Sullivan Ltd.
Working with People & Communication Skills	<ul style="list-style-type: none"> • Experience coordinating workloads and delegating tasks as a member of both large teams (10+) and very small teams (3) on a number of different projects. • Managed public relations and public outreach for Marble Arch Caves Global Geopark and also as part of the Rock Detectives Club recipient of Best Children's Event at the Heritage Week Awards 2014.
Licenses Held	<ul style="list-style-type: none"> • Safe Pass, 2016, Red Grouse Survey Licence, 2017.
Physical / Other	<ul style="list-style-type: none"> • Full, clean driving license.



CURRICULUM VITAE

Alex Ash



Since completing his Environmental Science BSc in 2002 Alex has worked extensively in the UK and further afield as an ornithologist for consultancies and conservation organisations and has a wide range of ornithological experience. In recent years Alex has been heavily involved with ornithological assessments of onshore windfarm schemes in Scotland following SNH guidance and has taken this experience to Ireland. Alex leads the in-house ornithology team at McCarthy Keville O' Sullivan and projects he has worked on since starting in October 2016 include over 20 wind farm schemes for a number of clients, a year-long survey of the birds of the Shannon Fergus Estuary and a study of the wintering and breeding birds of Lough Derg.

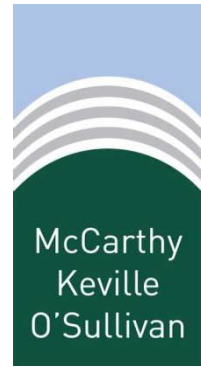
Current Role	Senior Ornithologist
Qualifications	<ul style="list-style-type: none">B.Sc. (Environmental Science) (2002) University of Nottingham, Nottingham, UK.
Years of Experience	<p>Possesses fifteen years post graduate professional work experience in ornithology.</p> <ul style="list-style-type: none">Nature Reserve management on The Farne Islands, Isle of May and Noss, Shetland between 2003 and 2009.Ornithologist with an Aberdeenshire based ecological consultancy between 2009 and 2010.Release site manager with a macaw conservation project in Costa Rica between 2011 and 2012.Consultant/Lead Ornithologist with two leading ecological consultancies based in Glasgow between 2012 and 2014.Self-employed Consultant Ornithologist based in Glasgow between 2014 and 2016.Senior Ornithologist with McCarthy Keville O'Sullivan (MKO) since October 2016.
Relevant Experience	<p>Project Management</p> <p>Project management of all bird survey work at MKO including direct line-management of ten in-house Assistant Ornithologists and supervision and scheduling of ornithology for over 30 wind farm proposals as well as several other projects involving staff and sub-contractors. Communication and liaison with many parties including clients and landowners. Tendering for work including scopes of works and assembling teams of up to 15 ornithologists for larger projects.</p> <p>Ornithological Surveys</p> <p>Have undertaken and organised a wide range of bird survey methodologies in a professional capacity including CBC, BBS, Brown & Shepherd, O'Brien and Smith, WeBS, tetrad surveys for atlases, vantage point surveys, migration surveys, wintering bird surveys, seabird population and productivity monitoring and many single species and species group surveys including a wide range of raptor species, grouse, geese and divers. Assessment of the bird communities of over 40 proposed windfarm sites across the UK from initial site visits to report writing in accordance with SNH guidelines. Very familiar with the relevant SNH guidance and methodologies laid out in Hardy et al. (2013) and Gilbert et al. (1998)</p>

	<p>Reporting</p> <ul style="list-style-type: none"> • Preparation of bird chapters for Environmental Impact Statements (EIS) and Ecological Impact Assessments for proposed wind farm developments and interim reports to inform clients. • Overseeing the collation and reporting of desktop information from various datasets and literature sources for impact assessments. • The use of GIS to produce maps for EIS's and for use in the field. • Writing of annual reports detailing all aspects of the running of nature reserves including all ecological monitoring. <p>Projects undertaken have included:</p> <p><u>Shannon/Fergus Estuary waterbird distribution survey</u> A monthly survey spanning a 12 month period involving a complete survey of the estuary's waterbirds, have project managed and coordinated all surveys involving 14 ornithologists for each survey. All data is collected and analysed in-house. The findings of this survey will inform on the relative ornithological importance of every part of the estuary and will form a baseline for any future development.</p> <p><u>Ongoing bird surveys for proposed wind farm sites</u> Extensive experience of planning, coordinating and carrying out bird surveys for proposed wind farm locations in adherence with SNH guidance having been directly involved in the Ornithology of over 50 wind farm locations in the UK and Ireland from carrying out surveys through to writing Environmental Impact Assessments.</p> <p><u>Lough Derg waterbird distribution surveys</u> Coordinating bird surveys during the winter and summer months of Lough Derg (Shannon), these counts involved MKO staff and NPWS rangers utilising 10 land and 3 boat-based observers to achieve full coverage of the Lough, the data from these will be used in future to inform on the most important parts of the Lough for wintering and breeding birds.</p> <p><u>Seabird monitoring programmes on Isle of May, Farne Islands and Isle of Noss (UK)</u> Planning, coordinating and reporting on seabird population and productivity monitoring studies on some of the UK's most important seabird colonies involving 11 species and hundreds of thousands of birds. Managed a small team of assistants and volunteers to ensure all surveys were carried out correctly and within the correct timeframe.</p> <p><u>Management of a scarlet macaw release site in Costa Rica</u> Responsible for the care in captivity, release and monitoring of captive bred Scarlet Macaws, all reporting and data collection and supervision of staff and volunteers. There is now a thriving wild population of these birds stemming from this original release.</p>
<p>Practical Skills and Aptitudes</p>	<ul style="list-style-type: none"> • Possess excellent bird identification skills including songs and calls and field experience of a wide range of methodologies. • Schedule 1 licence holder in Scotland allowing study of rarest bird species in UK • Lantra professional off-road driving and ATV trained • RYA powerboat level 2 with commercial endorsement • Proficient in use of MS Office programs, GIS Mapping Software (MapInfo)
<p>Management/ Supervision</p>	<ul style="list-style-type: none"> • Line-management, supervision, coordination and delegation of responsibilities to ten assistant ornithologists and management of sub-consultants to coordinate bird survey programme at McCarthyKOS • Project management of ornithological works of wind farm projects • Experience of managing many projects and small teams of surveyors including very large wind farm schemes and managing staff on nature reserves.
<p>Interpersonal & Communication Skills</p>	<ul style="list-style-type: none"> • Sixteen years of wide-ranging experience including liaising with clients, landowners and sub-consultants within a consultancy environment. Have liaised and worked successfully with many bodies including NPWS and Birdwatch Ireland and in a Scottish context SNH, RSPB, CEH, BTO, SEPA, SOTEAG and SMRU. Several years of environmental education of all ages.
<p>Licenses Held</p>	<ul style="list-style-type: none"> • Full clean driving licence



CURRICULUM VITAE

JOHN HEHIR



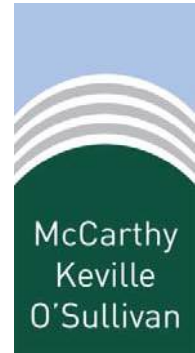
John Hehir is an Assistant Ornithologist with McCarthy Keville O'Sullivan Ltd. With over 5 years of experience working on a number of conservation projects in Ireland. John took up his position with McCarthy Keville O'Sullivan in November 2016. John's key strengths include ornithology, bird identification, surveying, data management and report writing.

Current Role	Assistant Ornithologist.
Qualifications	<ul style="list-style-type: none"> Bsc. Wildlife Biology, Institute of Technology, Tralee, Co. Kerry (2015).
Years of Experience	<ul style="list-style-type: none"> 2016 – Present – Assistant Ornithologist, McCarthy, Keville, O'Sullivan. 2016 – Intern Ecologist, Westmeath, Co. Council. 2015 – Conservation Support Worker, Birdwatch Ireland. 2014 – Conservation Support Worker, Irish Grey Partridge Conservation Trust. 2008 - 2011 – Conservation Support Worker, Birdwatch Ireland.
Key Strengths & Areas of Expertise	<ul style="list-style-type: none"> Ornithology. Bird Identification. Data collation and analysis. GIS / Map Info.
Role in MKO & Relevant Experience	<ul style="list-style-type: none"> Assistant Ornithologist on a number of energy infrastructure projects. Cloncreen Windfarm. Timahoe Solar Panel Farm. Garryhinch Windfarm. Cullenagh Windfarm. Carrownagowan Windfarm. Shannon / Fergus Estuary. Coole Windfarm.
Personal Skills & Achievements	<ul style="list-style-type: none"> Presentation Skills. Organizing and managing staff training events. Compiled a by-weekly article on biodiversity and important ecological issues.



CURRICULUM VITAE

Patrick Manley



Patrick Manley is an assistant ornithologist at McCarthy Keville O'Sullivan. He attended University College Dublin where he completed a BSc (Hons) in Geology. Prior to joining the company Patrick worked as part of the conservation team in BirdWatch Ireland, on projects such as the Dublin bay birds project, Kilcoole Little Tern conservation project and the results based agri-environmental scheme for breeding waders. He has extensive experience surveying birds through other projects such as the Irish wetlands bird survey, the Inishmurray all-island breeding birds survey, the national Hen Harrier survey and the countryside bird survey.

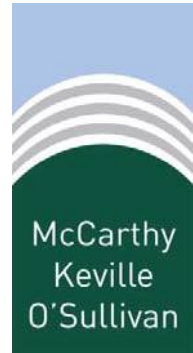
Current Role	Assistant Ornithologist
Qualifications	BSc Geology, University College Dublin (2013).
Years of Experience	2 years post graduate experience in wildlife conservation and monitoring.
Relevant Experience	<ul style="list-style-type: none"> Field ornithologist as part of the Little Tern Conservation Project with BirdWatch Ireland for two breeding seasons (2015 & 2016). Patrick gained experience in monitoring and protecting a vulnerable species and in the collection, collation and analyses of large data sets. He was also responsible for liaising with the public, the writing of weekly reports and full technical reports at the end of each breeding season. Agri-Environmental Liaison Officer for the Results Based Agri-Environmental Payment Scheme with BirdWatch Ireland. Patrick gained experience in liaising with land owners, coordinating and finalizing terms with participants of the scheme. He also gained skills in the ecological applications for GIS, in training landowners in land management for breeding birds and in carrying out breeding bird surveys. Conservation Team Intern with the Dublin Bay Birds Project for BirdWatch Ireland. Patrick gained experience in compiling, proofing and analysing large datasets, as well as waterbird monitoring during various tidal and weather conditions and writing technical reports Field Assistant with the Dublin Bay Birds Project with BirdWatch Ireland. Patrick gained experience doing waterbird surveys, radio tracking surveys and the tracking of colour ringed waders. He also gained experience in collating, proofing and validating large datasets. He was also responsible for fitting colour rings to waders during multiple catching sessions. Volunteer Bird Surveyor on various projects including the Irish wetlands bird survey, the Inishmurray all-island breeding birds survey, the national Hen Harrier survey and the countryside bird survey.
Practical Skills and Aptitudes	<ul style="list-style-type: none"> Proficient in GIS and MapInfo software. Proficient in MS Office. Experience surveying birds using line transects, vantage point counts, flush counts, mist netting, radio tracking and GSM trackers.
Management/ Supervision	<ul style="list-style-type: none"> Experience managing field sites and coordinating large teams of volunteers for the Little Tern Conservation Projects 2015 and 2016. Experience coordinating and supervising volunteers during the all-island seabird survey on Inishmurray. Experience coordinating and liaising with volunteers/surveyors with BirdWatch Ireland and Irish Midlands Ringing Group on various projects.

Interpersonal & Communication Skills	<ul style="list-style-type: none"> • Experience coordinating workloads and delegating tasks as a member of both large and small teams of volunteers on a number of different projects with BirdWatch Ireland and the Irish Midlands Ringing Group, often in challenging fieldwork environments. • Experience as lead author or co-author on technical project reports. • Managed public relations and public outreach for the Little Tern Conservation Project in 2015 and 2016 (including an appearance on RTE series "EcoEye" in January 2016). • Experience giving bird ringing demonstrations to various groups including BirdWatch Ireland branch members, Dublin Field Naturalist club and during heritage week.
Licenses Held	<ul style="list-style-type: none"> • Full clean driving licence • SafePass
Physical / Other	<ul style="list-style-type: none"> • Qualified bird ringer with British Trust for Ornithology and committee member of the Irish Midlands Ringing Group.



CURRICULUM VITAE

Sean Ronayne



Sean Ronayne is an Assistant Ornithologist with McCarthy O'Sullivan Ltd. with over 10 years of experience in both national and international bird surveys. Sean holds a BSc (Hons) in Zoology, an MSc in Marine Biology and an MSc in Ecological Assessment (1st Class Hons). Prior to taking up his position with McCarthy Keville O'Sullivan in April 2017, Sean worked with Northern Ornithology, a company specialised in bird and bat surveys in the North-East of England. Prior to this, Sean worked with Serenity Boat Tours, a company which brought eco-tourists to view birds and marine mammals in the Farne Islands Nature Reserve, in Northumberland. Sean has taken part in numerous ornithological surveys of note, including I-Webs, the Bird Atlas, and both Hen Harrier Roost & Breeding Surveys. Sean has been an active birdwatcher for over 20 years and can readily identify all Irish species based on sight and through vocalisations. Two of his dissertations were of an Ornithological nature, and he has 5 publications in Irish Birds. Sean's key strengths and areas of expertise are in bird identification, bird surveys, report writing, statistics and GIS. Since joining MKO Sean has been involved as an assistant ornithologist, working at Derryad Bog, Co. Longford, at a proposed wind-farm site. Here Sean has conducted vantage point surveys, breeding walkover surveys, and woodcock surveys.

Current Role	Assistant Ornithologist
Qualifications	<ul style="list-style-type: none"> • 2017 MSc. Ecological Assessment (Hons. 1.1) • 2010 MSc. Marine Biology (Hons. 2.1) • 2009 BSc. Zoology (Hons. 2.1)
Years of Experience	<ul style="list-style-type: none"> • May'12 – Mar'15 Assistant Ecologist, Northern Ecology
Relevant Experience	<p>Nov'11 – '12 Survey Volunteer, Irish Wetland Bird Survey Principal Duties:</p> <ul style="list-style-type: none"> • Responsible for an allocated site in regards to monitoring of activity • Conducted winter bird surveys • Liaised and assisted Dr. Tom Gittings (of UCC) throughout the project • Collected additional relevant data for further investigation • <p>Jun'11 – Nov'11 Assistant Ecologist, Badger Vaccine Research Project Principal Duties:</p> <ul style="list-style-type: none"> • Assisted in trapping of wild badgers under B.R.O.C. licence for TB vaccine development purposes • Set humane traps in relevant areas • Supported lectures and researchers with data analysis and assessment • Collected additional relevant data for further investigation • <p>Mar'11 – May'11 Survey Volunteer – Buzzard Soaring Survey, Irish Raptor Study Group Principal Duties:</p> <ul style="list-style-type: none"> • Counted soaring individuals and pairs during pre-breeding period • Conducted weather evaluation to determine correct timings • Identified suitable habitat for Buzzard Soaring Survey • <p>2008 – 2011 Survey Volunteer, Hen Harrier Winter Roost Survey, Ireland 2007 – 2011 Survey Volunteer, Hen Harrier Breeding Survey, Ireland</p>

	<p>2007 – 2011 Survey Volunteer, Irish Bird Atlas Survey, Birdwatch Ireland</p> <p>2010 Report Writer, The Moths of Cuskinny Nature Reserve</p> <p>2010 Guide, Guided Nature Walk, Cobh Camera Club & Cuskinny Nature Reserve</p> <p>2009 – 2010 Volunteer Ornithologist, American Christmas Bird Counts, Florida, USA</p> <p>2007 – 2008 Assistant Surveyor, Irish Whale & Dolphin Group Ferry Survey, IWDG</p> <p>2006 – Present Volunteer, Irish Whale & Dolphin Group Cetaceans Stranding Scheme IWDG</p> <p>2007 – 2008 Volunteer, Irish Whale & Dolphin Group Casual Sightings Scheme, IWDG</p> <p>Research</p> <p>Ronayne, S.T. & Sleeman, D.P. 2013. Sexing prey including Pygmy Shrew <i>Sorex minutus</i> remains in Barn Owl <i>Tyto alba</i> pellets. <i>Irish Birds</i> 9: 635-636</p> <p>Ronayne, S.T. 2011. Breeding Little Egrets <i>Egretta garzetta</i> in an urban habitat, the Atlantic Pond, Cork City. <i>Irish Birds</i> 9: 325-326.</p> <p>Ronayne, S.T. 2011. Diet of the Little Egret <i>Egretta garzetta</i> in southern Ireland. <i>Irish Birds</i> 9: 328-329.</p> <p>Ronayne, S.T., Sleeman, D.P., & Carden, R.F. 2011. Another Record of Daubenton's Bat <i>Myotis daubentoni</i> in a Barn Owl <i>Tyto alba</i> pellet following flooding. <i>Irish Birds</i> 9: 326-327.</p> <p>Ronayne, S.T., 2010, Sleeman, D.P. Long-eared Owl <i>Asio Otus</i> nestling choked to death on prey. <i>Irish Birds</i> 9: 128</p>
Practical Skills and Aptitudes	<ul style="list-style-type: none"> • Bird identification • Bird survey techniques • Statistics • Report Writing • Proficient in the use of Microsoft Office, "R", Minitab, SPSS, ArcGIS
Interpersonal & Communication Skills	<ul style="list-style-type: none"> • Possesses strong interpersonal & communication skills as demonstrated by the following grades: • PS4015 Data Analysis for Biologists (69%) • PS4016 Computing for Biologists (69%) • ZY3014 Science Skills and Communication (70%)
Licenses Held	<ul style="list-style-type: none"> • Provisional Driving Licence
Physical / Other	<ul style="list-style-type: none"> • Sean is a keen amateur bird photographer and has had photographs featured in several magazines, and on television.

Appendix 1-2

Birds Technical Appendix

Table 1 – Target Species Recorded

Species	Scientific Name
Canada Goose	<i>Branta canadensis</i>
Mute Swan	<i>Cygnus olor</i>
Mallard	<i>Anas platyrhynchos</i>
Tufted Duck	<i>Aythya fuligula</i>
Little Grebe	<i>Tachybaptus ruficollis</i>
Great Crested Grebe	<i>Podiceps cristatus</i>
Grey Heron	<i>Ardea cinerea</i>
Little Egret	<i>Egretta garzetta</i>
Cormorant	<i>Phalacrocorax carbo</i>
Sparrowhawk	<i>Accipiter nisus</i>
Hen Harrier	<i>Circus cyaneus</i>
Buzzard	<i>Buteo buteo</i>
Moorhen	<i>Gallinula chloropus</i>
Coot	<i>Fulica atra</i>
Lapwing	<i>Vanellus vanellus</i>
Golden Plover	<i>Pluvialis apricaria</i>
Ringed Plover	<i>Charadrius hiaticula</i>
Woodcock	<i>Scolopax rusticola</i>
Snipe	<i>Gallinago gallinago</i>
Whimbrel	<i>Numenius phaeopus</i>
Curlew	<i>Numenius arquata</i>
Redshank	<i>Tringa totanus</i>
Black-headed Gull	<i>Chroicocephalus ridibundus</i>
Common Gull	<i>Larus canus</i>
Lesser Black-backed Gull	<i>Larus fuscus</i>
Common Tern	<i>Sterna hirundo</i>
Short-eared Owl	<i>Asio flammeus</i>

Species	Scientific Name
Kestrel	<i>Falco tinnunculus</i>
Peregrine Falcon	<i>Falco peregrinus</i>
Meadow Pipit	<i>Anthus pratensis</i>

Table 2 – Survey Effort

Date	Survey Method	VP/ transect / area number	Survey Duration	Weather Conditions	Comments
19/04/2017	Vantage Point Survey	1	01:00 starting at 16:05	wind speed and direction:Light Breeze, N; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None	
20/04/2017	Vantage Point Survey	1	01:00 starting at 16:10	wind speed and direction:Moderate Breeze, NW; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None	
20/04/2017	Vantage Point Survey	1	01:00 starting at 17:10	wind speed and direction:Moderate Breeze, NW; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None	
20/04/2017	Vantage Point Survey	1	01:00 starting at 18:40	wind speed and direction:Light Air, NW; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None	
20/04/2017	Vantage Point Survey	1	01:00 starting at 19:40	wind speed and direction:Calm, NW; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None	
20/04/2017	Vantage Point Survey	1	01:00 starting at 20:40	wind speed and direction:Calm, NW; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None	
12/05/2017	Vantage Point Survey	1	01:00 starting at 05:00	wind speed and direction:Calm, N; visibility: Poor (<km); Rain: Drizzle Mist; Frost: None ; Snow: None	
12/05/2017	Vantage Point Survey	1	01:00 starting at 06:00	wind speed and direction:Light Air, N; visibility: Moderate (1-2km); Rain: None; Frost: None ; Snow: None	
12/05/2017	Vantage Point Survey	1	01:00 starting at 07:00	wind speed and direction:Light Air, N; visibility: Moderate (1-2km); Rain: None; Frost: None ; Snow: None	
12/05/2017	Vantage Point Survey	1	01:00 starting at 08:30	wind speed and direction:Light Air, N; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None	
12/05/2017	Vantage Point Survey	1	01:00 starting at 09:30	wind speed and direction:Light Breeze, N; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None	
12/05/2017	Vantage Point Survey	1	01:00 starting at 10:30	wind speed and direction:Light Breeze, N; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None	
20/06/2017	Vantage Point Survey	1	01:00 starting at 09:30	Wind Speed and Direction:Light Breeze, NE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 25 Rain: None; Frost: None ; Snow: None	
20/06/2017	Vantage Point Survey	1	01:00 starting at 10:30	Wind Speed and Direction:Light Breeze, NE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 10 Rain: None; Frost: None ; Snow: None	
20/06/2017	Vantage Point Survey	1	01:00 starting at 11:30	Wind Speed and Direction:Light Breeze, NE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover	

Date	Survey Method	VP/ transect / area number	Survey Duration	Weather Conditions	Comments
				%: 15 Rain: None; Frost: None ; Snow: None	
20/06/2017	Vantage Point Survey	1	01:00 starting at 13:00	Wind Speed and Direction:Light Air, NE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 5 Rain: None; Frost: None ; Snow: None	
20/06/2017	Vantage Point Survey	1	01:00 starting at 14:00	Wind Speed and Direction:Light Breeze, NE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 10 Rain: None; Frost: None ; Snow: None	
20/06/2017	Vantage Point Survey	1	01:00 starting at 15:00	Wind Speed and Direction:Light Air, NE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 5 Rain: None; Frost: None ; Snow: None	
14/07/2017	Vantage Point Survey	1	01:00 starting at 09:00	Wind Speed and Direction:Moderate Breeze, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 70 Rain: None; Frost: None ; Snow: None	
14/07/2017	Vantage Point Survey	1	01:00 starting at 10:00	Wind Speed and Direction:Moderate Breeze, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 75 Rain: None; Frost: None ; Snow: None	
14/07/2017	Vantage Point Survey	1	01:00 starting at 11:00	Wind Speed and Direction:Gentle Breeze, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 80 Rain: None; Frost: None ; Snow: None	
14/07/2017	Vantage Point Survey	1	01:00 starting at 12:30	Wind Speed and Direction:Moderate Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 90 Rain: None; Frost: None ; Snow: None	
14/07/2017	Vantage Point Survey	1	01:00 starting at 13:30	Wind Speed and Direction:Moderate Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 95 Rain: None; Frost: None ; Snow: None	
14/07/2017	Vantage Point Survey	1	01:00 starting at 14:30	Wind Speed and Direction:Fresh Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None	
10/08/2017	Vantage Point Survey	1	01:00 starting at 04:40	Wind Speed and Direction:Calm, ; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None	
10/08/2017	Vantage Point Survey	1	01:00 starting at 05:40	Wind Speed and Direction:Calm, ; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None	

Date	Survey Method	VP/ transect / area number	Survey Duration	Weather Conditions	Comments
10/08/2017	Vantage Point Survey	1	01:00 starting at 06:40	Wind Speed and Direction:Light Air, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None	
10/08/2017	Vantage Point Survey	1	01:00 starting at 08:10	Wind Speed and Direction:Light Air, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None	
10/08/2017	Vantage Point Survey	1	01:00 starting at 09:10	Wind Speed and Direction:Light Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 90 Rain: None; Frost: None ; Snow: None	
10/08/2017	Vantage Point Survey	1	01:00 starting at 10:10	Wind Speed and Direction:Light Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None	
19/09/2017	Vantage Point Survey	1	01:00 starting at 14:06	Wind Speed and Direction:Light Breeze, S; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None	
19/09/2017	Vantage Point Survey	1	01:00 starting at 15:06	Wind Speed and Direction:Gentle Breeze, S; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None	
19/09/2017	Vantage Point Survey	1	01:00 starting at 16:06	Wind Speed and Direction:Gentle Breeze, S; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 100 Rain: Drizzle Mist; Frost: None ; Snow: None	
19/09/2017	Vantage Point Survey	1	01:00 starting at 17:36	Wind Speed and Direction:Light Breeze, S; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None	
19/09/2017	Vantage Point Survey	1	01:00 starting at 18:36	Wind Speed and Direction:Light Breeze, S; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 95 Rain: None; Frost: None ; Snow: None	
19/09/2017	Vantage Point Survey	1	01:00 starting at 19:36	Wind Speed and Direction:Light Breeze, S; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 95 Rain: None; Frost: None ; Snow: None	
11/04/2017	Vantage Point Survey	2	01:00 starting at 09:50	wind speed and direction:Gentle Breeze, W; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None	
11/04/2017	Vantage Point Survey	2	01:00 starting at 10:50	wind speed and direction:Gentle Breeze, W; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None	
11/04/2017	Vantage Point Survey	2	01:00 starting at 11:50	wind speed and direction:Gentle Breeze, W; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None	

Date	Survey Method	VP/ transect / area number	Survey Duration	Weather Conditions	Comments
11/04/2017	Vantage Point Survey	2	01:00 starting at 13:20	wind speed and direction:Gentle Breeze, W; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None	
11/04/2017	Vantage Point Survey	2	01:00 starting at 14:20	wind speed and direction:Gentle Breeze, W; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None	
11/04/2017	Vantage Point Survey	2	01:00 starting at 15:20	wind speed and direction:Gentle Breeze, W; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None	
09/05/2017	Vantage Point Survey	2	03:00 starting at 04:39	wind speed and direction:Calm, E; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None	
09/05/2017	Vantage Point Survey	2	03:00 starting at 08:09	wind speed and direction:Light Breeze, E; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None	
21/06/2017	Vantage Point Survey	2	01:00 starting at 09:00	Wind Speed and Direction:Light Breeze, S; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None	
21/06/2017	Vantage Point Survey	2	01:00 starting at 10:00	Wind Speed and Direction:Light Air, S; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None	
21/06/2017	Vantage Point Survey	2	01:00 starting at 11:00	Wind Speed and Direction:Light Breeze, S; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 85 Rain: None; Frost: None ; Snow: None	
21/06/2017	Vantage Point Survey	2	01:00 starting at 12:30	Wind Speed and Direction:Gentle Breeze, S; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None	
21/06/2017	Vantage Point Survey	2	01:00 starting at 13:30	Wind Speed and Direction:Light Breeze, S; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 85 Rain: None; Frost: None ; Snow: None	
21/06/2017	Vantage Point Survey	2	01:00 starting at 14:30	Wind Speed and Direction:Light Breeze, S; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None	
15/07/2017	Vantage Point Survey	2	01:00 starting at 09:00	Wind Speed and Direction:Moderate Breeze, SW; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 100 Rain: Drizzle Mist; Frost: None ; Snow: None	
15/07/2017	Vantage Point Survey	2	01:00 starting at 10:00	Wind Speed and Direction:Moderate Breeze, SW; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None	

Date	Survey Method	VP/ transect / area number	Survey Duration	Weather Conditions	Comments
15/07/2017	Vantage Point Survey	2	01:00 starting at 11:00	Wind Speed and Direction:Gentle Breeze, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None	
15/07/2017	Vantage Point Survey	2	01:00 starting at 12:30	Wind Speed and Direction:Moderate Breeze, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None	
15/07/2017	Vantage Point Survey	2	01:00 starting at 13:30	Wind Speed and Direction:Moderate Breeze, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None	
15/07/2017	Vantage Point Survey	2	01:00 starting at 14:30	Wind Speed and Direction:Fresh Breeze, NNW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None	
11/08/2017	Vantage Point Survey	2	01:00 starting at 04:50	Wind Speed and Direction:Gentle Breeze, SW; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 100 Rain: Drizzle Mist; Frost: None ; Snow: None	
11/08/2017	Vantage Point Survey	2	01:00 starting at 05:50	Wind Speed and Direction:Gentle Breeze, SW; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 100 Rain: Drizzle Mist; Frost: None ; Snow: None	
11/08/2017	Vantage Point Survey	2	01:00 starting at 06:50	Wind Speed and Direction:Moderate Breeze, SW; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 100 Rain: Drizzle Mist; Frost: None ; Snow: None	
11/08/2017	Vantage Point Survey	2	01:00 starting at 08:20	Wind Speed and Direction:Gentle Breeze, SW; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 100 Rain: Drizzle Mist; Frost: None ; Snow: None	
11/08/2017	Vantage Point Survey	2	01:00 starting at 09:20	Wind Speed and Direction:Moderate Breeze, SW; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 100 Rain: Drizzle Mist; Frost: None ; Snow: None	
11/08/2017	Vantage Point Survey	2	01:00 starting at 10:20	Wind Speed and Direction:Moderate Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None	
18/09/2017	Vantage Point Survey	2	01:00 starting at 14:07	Wind Speed and Direction:Light Breeze, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 45 Rain: None; Frost: None ; Snow: None	
18/09/2017	Vantage Point Survey	2	01:00 starting at 15:07	Wind Speed and Direction:Light Breeze, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 50 Rain: None; Frost: None ; Snow: None	

Date	Survey Method	VP/ transect / area number	Survey Duration	Weather Conditions	Comments
18/09/2017	Vantage Point Survey	2	01:00 starting at 16:07	Wind Speed and Direction:Light Air, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 40 Rain: None; Frost: None ; Snow: None	
18/09/2017	Vantage Point Survey	2	01:00 starting at 17:37	Wind Speed and Direction:Light Air, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 60 Rain: None; Frost: None ; Snow: None	
18/09/2017	Vantage Point Survey	2	01:00 starting at 18:37	Wind Speed and Direction:Calm, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 40 Rain: None; Frost: None ; Snow: None	
18/09/2017	Vantage Point Survey	2	01:00 starting at 19:37	Wind Speed and Direction:Light Air, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 70 Rain: None; Frost: None ; Snow: None	
24/04/2017	Vantage Point Survey	3	01:00 starting at 15:20	wind speed and direction:Fresh Breeze, NW; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None	
24/04/2017	Vantage Point Survey	3	01:00 starting at 16:20	wind speed and direction:Moderate Breeze, NE; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None	
24/04/2017	Vantage Point Survey	3	01:00 starting at 17:20	wind speed and direction:Moderate Breeze, NE; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None	
24/04/2017	Vantage Point Survey	3	01:00 starting at 18:50	wind speed and direction:Fresh Breeze, NW; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None	
24/04/2017	Vantage Point Survey	3	01:00 starting at 19:50	wind speed and direction:Gentle Breeze, NW; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None	
24/04/2017	Vantage Point Survey	3	01:00 starting at 20:50	wind speed and direction:Gentle Breeze, NW; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None	
06/05/2017	Vantage Point Survey	3	03:00 starting at 04:45	wind speed and direction:Gentle Breeze, E; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None	
06/05/2017	Vantage Point Survey	3	03:00 starting at 04:45	wind speed and direction:Gentle Breeze, E; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None	
19/06/2017	Vantage Point Survey	3	01:00 starting at 09:00	Wind Speed and Direction:Light Air, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 25 Rain: None; Frost: None ; Snow: None	
19/06/2017	Vantage Point Survey	3	01:00 starting at 10:00	Wind Speed and Direction:Light Air, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 20 Rain: None; Frost: None ; Snow: None	

Date	Survey Method	VP/ transect / area number	Survey Duration	Weather Conditions	Comments
19/06/2017	Vantage Point Survey	3	01:00 starting at 11:00	Wind Speed and Direction:Light Air, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 30 Rain: None; Frost: None ; Snow: None	
19/06/2017	Vantage Point Survey	3	01:00 starting at 12:30	Wind Speed and Direction:Gentle Breeze, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 80 Rain: None; Frost: None ; Snow: None	
19/06/2017	Vantage Point Survey	3	01:00 starting at 13:30	Wind Speed and Direction:Moderate Breeze, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 40 Rain: None; Frost: None ; Snow: None	
19/06/2017	Vantage Point Survey	3	01:00 starting at 14:30	Wind Speed and Direction:Gentle Breeze, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 35 Rain: None; Frost: None ; Snow: None	
06/07/2017	Vantage Point Survey	3	01:00 starting at 09:00	Wind Speed and Direction:Light Breeze, S; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None	
06/07/2017	Vantage Point Survey	3	01:00 starting at 10:00	Wind Speed and Direction:Light Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None	
06/07/2017	Vantage Point Survey	3	01:00 starting at 11:00	Wind Speed and Direction:Light Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None	
06/07/2017	Vantage Point Survey	3	01:00 starting at 12:30	Wind Speed and Direction:Gentle Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None	
06/07/2017	Vantage Point Survey	3	01:00 starting at 13:30	Wind Speed and Direction:Gentle Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 90 Rain: None; Frost: None ; Snow: None	
06/07/2017	Vantage Point Survey	3	01:00 starting at 14:30	Wind Speed and Direction:Gentle Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 90 Rain: None; Frost: None ; Snow: None	
01/08/2017	Vantage Point Survey	3	01:00 starting at 04:45	Wind Speed and Direction:Moderate Breeze, SSW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 75 Rain: None; Frost: None ; Snow: None	
01/08/2017	Vantage Point Survey	3	01:00 starting at 05:45	Wind Speed and Direction:Moderate Breeze, SSW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 55 Rain: None; Frost: None ; Snow: None	

Date	Survey Method	VP/ transect / area number	Survey Duration	Weather Conditions	Comments
01/08/2017	Vantage Point Survey	3	01:00 starting at 06:45	Wind Speed and Direction:Gentle Breeze, SSW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 50 Rain: None; Frost: None ; Snow: None	
01/08/2017	Vantage Point Survey	3	01:00 starting at 08:15	Wind Speed and Direction:Moderate Breeze, SSW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 95 Rain: None; Frost: None ; Snow: None	
01/08/2017	Vantage Point Survey	3	01:00 starting at 09:15	Wind Speed and Direction:Moderate Breeze, SSW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 95 Rain: None; Frost: None ; Snow: None	
01/08/2017	Vantage Point Survey	3	01:00 starting at 10:15	Wind Speed and Direction:Moderate Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 70 Rain: None; Frost: None ; Snow: None	
14/09/2017	Vantage Point Survey	3	01:00 starting at 14:20	Wind Speed and Direction:Gentle Breeze, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 50 Rain: Light Showers; Frost: None ; Snow: None	
14/09/2017	Vantage Point Survey	3	01:00 starting at 15:20	Wind Speed and Direction:Moderate Breeze, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 50 Rain: Light Showers; Frost: None ; Snow: None	
14/09/2017	Vantage Point Survey	3	01:00 starting at 16:20	Wind Speed and Direction:Moderate Breeze, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 40 Rain: Light Showers; Frost: None ; Snow: None	
14/09/2017	Vantage Point Survey	3	01:00 starting at 17:50	Wind Speed and Direction:Gentle Breeze, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 80 Rain: None; Frost: None ; Snow: None	
14/09/2017	Vantage Point Survey	3	01:00 starting at 18:50	Wind Speed and Direction:Moderate Breeze, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 85 Rain: Light Showers; Frost: None ; Snow: None	
14/09/2017	Vantage Point Survey	3	01:00 starting at 19:50	Wind Speed and Direction:Gentle Breeze, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 55 Rain: None; Frost: None ; Snow: None	
27/04/2017	Vantage Point Survey	4	01:00 starting at 15:25	wind speed and direction:Gentle Breeze, NW; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None	
27/04/2017	Vantage Point Survey	4	01:00 starting at 16:25	wind speed and direction:Gentle Breeze, NW; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None	
27/04/2017	Vantage Point Survey	4	01:00 starting at 17:25	wind speed and direction:Gentle Breeze, NW; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None	

Date	Survey Method	VP/ transect / area number	Survey Duration	Weather Conditions	Comments
27/04/2017	Vantage Point Survey	4	01:00 starting at 18:55	wind speed and direction:Gentle Breeze, NW; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None	
27/04/2017	Vantage Point Survey	4	01:00 starting at 19:55	wind speed and direction:Gentle Breeze, NW; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None	
27/04/2017	Vantage Point Survey	4	01:00 starting at 20:55	wind speed and direction:Gentle Breeze, NW; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None	
07/05/2017	Vantage Point Survey	4	03:00 starting at 04:43	wind speed and direction:Calm, NE; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None	
07/05/2017	Vantage Point Survey	4	03:00 starting at 04:43	wind speed and direction:Calm, NE; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None	
17/06/2017	Vantage Point Survey	4	01:00 starting at 09:00	Wind Speed and Direction:Light Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None	
17/06/2017	Vantage Point Survey	4	01:00 starting at 10:00	Wind Speed and Direction:Moderate Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 55 Rain: None; Frost: None ; Snow: None	
17/06/2017	Vantage Point Survey	4	01:00 starting at 11:00	Wind Speed and Direction:Fresh Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 90 Rain: None; Frost: None ; Snow: None	
17/06/2017	Vantage Point Survey	4	01:00 starting at 12:30	Wind Speed and Direction:Moderate Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 15 Rain: None; Frost: None ; Snow: None	
17/06/2017	Vantage Point Survey	4	01:00 starting at 13:30	Wind Speed and Direction:Fresh Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 20 Rain: None; Frost: None ; Snow: None	
17/06/2017	Vantage Point Survey	4	01:00 starting at 14:30	Wind Speed and Direction:Fresh Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 10 Rain: None; Frost: None ; Snow: None	
11/07/2017	Vantage Point Survey	4	01:00 starting at 09:15	Wind Speed and Direction:Calm, NE; Visibility: Moderate (1-2km); Cloud Height: <150m; Cloud Cover %: 100 Rain: Drizzle Mist; Frost: None ; Snow: None	
11/07/2017	Vantage Point Survey	4	01:00 starting at 10:15	Wind Speed and Direction:Light Air, NE; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None	

Date	Survey Method	VP/ transect / area number	Survey Duration	Weather Conditions	Comments
11/07/2017	Vantage Point Survey	4	01:00 starting at 11:15	Wind Speed and Direction:Light Breeze, NE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None	
11/07/2017	Vantage Point Survey	4	01:00 starting at 12:45	Wind Speed and Direction:Light Breeze, NE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 100 Rain: Drizzle Mist; Frost: None ; Snow: None	
11/07/2017	Vantage Point Survey	4	01:00 starting at 13:45	Wind Speed and Direction:Light Breeze, NE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 100 Rain: Drizzle Mist; Frost: None ; Snow: None	
11/07/2017	Vantage Point Survey	4	01:00 starting at 14:45	Wind Speed and Direction:Light Breeze, NE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None	
06/08/2017	Vantage Point Survey	4	01:00 starting at 04:50	Wind Speed and Direction:Gentle Breeze, SSW; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 100 Rain: Light Showers; Frost: None ; Snow: None	
06/08/2017	Vantage Point Survey	4	01:00 starting at 05:50	Wind Speed and Direction:Moderate Breeze, SSW; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 100 Rain: Light Showers; Frost: None ; Snow: None	
06/08/2017	Vantage Point Survey	4	01:00 starting at 06:50	Wind Speed and Direction:Fresh Breeze, SW; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 100 Rain: Light Showers; Frost: None ; Snow: None	
06/08/2017	Vantage Point Survey	4	01:00 starting at 08:20	Wind Speed and Direction:Fresh Breeze, SW; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 100 Rain: Drizzle Mist; Frost: None ; Snow: None	
06/08/2017	Vantage Point Survey	4	01:00 starting at 09:20	Wind Speed and Direction:Moderate Breeze, SW; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 100 Rain: Drizzle Mist; Frost: None ; Snow: None	
06/08/2017	Vantage Point Survey	4	01:00 starting at 10:20	Wind Speed and Direction:Moderate Breeze, SW; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 100 Rain: Drizzle Mist; Frost: None ; Snow: None	
15/09/2017	Vantage Point Survey	4	01:00 starting at 14:18	Wind Speed and Direction:Gentle Breeze, NNW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 85 Rain: Light Showers; Frost: None ; Snow: None	
15/09/2017	Vantage Point Survey	4	01:00 starting at 15:18	Wind Speed and Direction:Light Breeze, NNW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 70 Rain: Light Showers; Frost: None ; Snow: None	

Date	Survey Method	VP/ transect / area number	Survey Duration	Weather Conditions	Comments
15/09/2017	Vantage Point Survey	4	01:00 starting at 16:18	Wind Speed and Direction:Gentle Breeze, NNW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 70 Rain: None; Frost: None ; Snow: None	
15/09/2017	Vantage Point Survey	4	01:00 starting at 17:48	Wind Speed and Direction:Moderate Breeze, NNW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 45 Rain: None; Frost: None ; Snow: None	
15/09/2017	Vantage Point Survey	4	01:00 starting at 18:48	Wind Speed and Direction:Gentle Breeze, NNW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 40 Rain: None; Frost: None ; Snow: None	
15/09/2017	Vantage Point Survey	4	01:00 starting at 19:48	Wind Speed and Direction:Gentle Breeze, NNW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 60 Rain: Light Showers; Frost: None ; Snow: None	
28/04/2017	Vantage Point Survey	5	01:00 starting at 15:26	Wind Speed and Direction:Light Breeze, SW; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 3 Rain: None; Frost: None ; Snow: None	
28/04/2017	Vantage Point Survey	5	01:00 starting at 16:26	Wind Speed and Direction:Light Breeze, SW; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 3 Rain: None; Frost: None ; Snow: None	
28/04/2017	Vantage Point Survey	5	01:00 starting at 17:26	Wind Speed and Direction:Light Breeze, SW; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 3 Rain: None; Frost: None ; Snow: None	
28/04/2017	Vantage Point Survey	5	01:00 starting at 18:56	Wind Speed and Direction:Light Air, SW; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 3 Rain: None; Frost: None ; Snow: None	
28/04/2017	Vantage Point Survey	5	01:00 starting at 19:56	Wind Speed and Direction:Light Air, SW; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 3 Rain: None; Frost: None ; Snow: None	
28/04/2017	Vantage Point Survey	5	01:00 starting at 20:56	Wind Speed and Direction:Light Air, SW; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 3 Rain: None; Frost: None ; Snow: None	
08/05/2017	Vantage Point Survey	5	03:00 starting at 04:41	wind speed and direction:Calm, E; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None	
08/05/2017	Vantage Point Survey	5	03:00 starting at 08:11	wind speed and direction:Gentle Breeze, E; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None	
16/06/2017	Vantage Point Survey	5	01:00 starting at 09:00	Wind Speed and Direction:Light Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover	

Date	Survey Method	VP/ transect / area number	Survey Duration	Weather Conditions	Comments
				%: 100 Rain: None; Frost: None ; Snow:	
16/06/2017	Vantage Point Survey	5	01:00 starting at 10:00	Wind Speed and Direction:Light Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None	
16/06/2017	Vantage Point Survey	5	01:00 starting at 11:00	Wind Speed and Direction:Light Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None	
16/06/2017	Vantage Point Survey	5	01:00 starting at 12:30	Wind Speed and Direction:Light Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None	
16/06/2017	Vantage Point Survey	5	01:00 starting at 13:30	Wind Speed and Direction:Light Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None	
16/06/2017	Vantage Point Survey	5	01:00 starting at 14:30	Wind Speed and Direction:Light Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None	
17/07/2017	Vantage Point Survey	5	01:00 starting at 08:45	Wind Speed and Direction:Gentle Breeze, ESE; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 100 Rain: Light Showers; Frost: None ; Snow: None	
17/07/2017	Vantage Point Survey	5	01:00 starting at 09:45	Wind Speed and Direction:Light Breeze, ESE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 100 Rain: Drizzle Mist; Frost: None ; Snow: None	
17/07/2017	Vantage Point Survey	5	01:00 starting at 10:45	Wind Speed and Direction:Light Breeze, ESE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 100 Rain: Drizzle Mist; Frost: None ; Snow: None	
17/07/2017	Vantage Point Survey	5	01:00 starting at 12:15	Wind Speed and Direction:Gentle Breeze, SE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 100 Rain: Light Showers; Frost: None ; Snow: None	
17/07/2017	Vantage Point Survey	5	01:00 starting at 13:15	Wind Speed and Direction:Gentle Breeze, SE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None	
17/07/2017	Vantage Point Survey	5	01:00 starting at 14:15	Wind Speed and Direction:Gentle Breeze, SE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None	

Date	Survey Method	VP/ transect / area number	Survey Duration	Weather Conditions	Comments
09/08/2017	Vantage Point Survey	5	01:00 starting at 04:50	Wind Speed and Direction:Light Air, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0 Rain: None; Frost: None ; Snow: None	
09/08/2017	Vantage Point Survey	5	01:00 starting at 05:50	Wind Speed and Direction:Light Air, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 5 Rain: None; Frost: None ; Snow: None	
09/08/2017	Vantage Point Survey	5	01:00 starting at 06:50	Wind Speed and Direction:Calm, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 5 Rain: None; Frost: None ; Snow: None	7:43 - Red Squirrel crossed open PB4 at close range, travelling in the direction of a small line or bordering conifers.
09/08/2017	Vantage Point Survey	5	01:00 starting at 08:20	Wind Speed and Direction:Light Breeze, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 10 Rain: None; Frost: None ; Snow: None	
09/08/2017	Vantage Point Survey	5	01:00 starting at 09:20	Wind Speed and Direction:Gentle Breeze, NNW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 65 Rain: None; Frost: None ; Snow: None	
09/08/2017	Vantage Point Survey	5	01:00 starting at 10:20	Wind Speed and Direction:Moderate Breeze, N; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 50 Rain: None; Frost: None ; Snow: None	
13/09/2017	Vantage Point Survey	5	01:00 starting at 14:22	Wind Speed and Direction:Light Breeze, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 40 Rain: None; Frost: None ; Snow: None	
13/09/2017	Vantage Point Survey	5	01:00 starting at 15:22	Wind Speed and Direction:Moderate Breeze, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 55 Rain: None; Frost: None ; Snow: None	
13/09/2017	Vantage Point Survey	5	01:00 starting at 16:22	Wind Speed and Direction:Moderate Breeze, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 90 Rain: Light Showers; Frost: None ; Snow: None	
13/09/2017	Vantage Point Survey	5	01:00 starting at 17:52	Wind Speed and Direction:Light Air, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 60 Rain: Light Showers; Frost: None ; Snow: None	
13/09/2017	Vantage Point Survey	5	01:00 starting at 18:52	Wind Speed and Direction:Light Air, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 50 Rain: None; Frost: None ; Snow: None	

Date	Survey Method	VP/ transect / area number	Survey Duration	Weather Conditions	Comments
13/09/2017	Vantage Point Survey	5	01:00 starting at 19:52	Wind Speed and Direction:Light Breeze, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 35 Rain: None; Frost: None ; Snow: None	
11/04/2017	Vantage Point Survey	6	01:00 starting at 09:30	Wind Speed and Direction:Light Breeze, W; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	
11/04/2017	Vantage Point Survey	6	01:00 starting at 10:30	Wind Speed and Direction:Light Breeze, W; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	
11/04/2017	Vantage Point Survey	6	01:00 starting at 11:30	Wind Speed and Direction:Light Breeze, W; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	
11/04/2017	Vantage Point Survey	6	01:00 starting at 13:00	Wind Speed and Direction:Light Breeze, W; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	
11/04/2017	Vantage Point Survey	6	01:00 starting at 14:00	Wind Speed and Direction:Light Breeze, W; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	
11/04/2017	Vantage Point Survey	6	01:00 starting at 15:00	Wind Speed and Direction:Light Breeze, W; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	
11/05/2017	Vantage Point Survey	6	01:00 starting at 04:35	wind speed and direction:Calm, E; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None	
11/05/2017	Vantage Point Survey	6	01:00 starting at 05:35	wind speed and direction:Calm, E; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None	
11/05/2017	Vantage Point Survey	6	01:00 starting at 06:35	wind speed and direction:Calm, E; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None	
11/05/2017	Vantage Point Survey	6	01:00 starting at 08:05	wind speed and direction:Light Air, E; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None	
11/05/2017	Vantage Point Survey	6	01:00 starting at 09:05	wind speed and direction:Light Air, E; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None	
11/05/2017	Vantage Point Survey	6	01:00 starting at 10:05	wind speed and direction:Light Air, E; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None	
15/06/2017	Vantage Point Survey	6	01:00 starting at 09:00	Wind Speed and Direction:Moderate Breeze, NNW; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 100 Rain: Heavy Showers; Frost: None ; Snow: None	

Date	Survey Method	VP/ transect / area number	Survey Duration	Weather Conditions	Comments
15/06/2017	Vantage Point Survey	6	01:00 starting at 10:00	Wind Speed and Direction: Moderate Breeze, NNW; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 80 Rain: None; Frost: None ; Snow: None	
15/06/2017	Vantage Point Survey	6	01:00 starting at 11:00	Wind Speed and Direction: Fresh Breeze, NNW; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 95 Rain: Light Showers; Frost: None ; Snow: None	
15/06/2017	Vantage Point Survey	6	01:00 starting at 12:30	Wind Speed and Direction: Fresh Breeze, NNW; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 100 Rain: Light Showers; Frost: None ; Snow: None	
15/06/2017	Vantage Point Survey	6	01:00 starting at 13:30	Wind Speed and Direction: Fresh Breeze, NNW; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 100 Rain: Light Showers; Frost: None ; Snow: None	
15/06/2017	Vantage Point Survey	6	01:00 starting at 14:30	Wind Speed and Direction: Strong Breeze, NNW; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 100 Rain: Heavy Showers; Frost: None ; Snow: None	
16/07/2017	Vantage Point Survey	6	01:00 starting at 09:00	Wind Speed and Direction: Light Air, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 70 Rain: None; Frost: None ; Snow: None	
16/07/2017	Vantage Point Survey	6	01:00 starting at 10:00	Wind Speed and Direction: Light Air, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 85 Rain: None; Frost: None ; Snow: None	
16/07/2017	Vantage Point Survey	6	01:00 starting at 11:00	Wind Speed and Direction: Light Breeze, NNW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 65 Rain: None; Frost: None ; Snow: None	
16/07/2017	Vantage Point Survey	6	01:00 starting at 12:30	Wind Speed and Direction: Light Air, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 75 Rain: None; Frost: None ; Snow: None	
16/07/2017	Vantage Point Survey	6	01:00 starting at 13:30	Wind Speed and Direction: Light Air, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 80 Rain: None; Frost: None ; Snow: None	
16/07/2017	Vantage Point Survey	6	01:00 starting at 14:30	Wind Speed and Direction: Light Breeze, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 50 Rain: None; Frost: None ; Snow: None	
08/08/2017	Vantage Point Survey	6	01:00 starting at 04:50	Wind Speed and Direction: Calm, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 50 Rain: None; Frost: None ; Snow: None	

Date	Survey Method	VP/ transect / area number	Survey Duration	Weather Conditions	Comments
08/08/2017	Vantage Point Survey	6	01:00 starting at 05:50	Wind Speed and Direction:Calm, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 85 Rain: None; Frost: None ; Snow: None	
08/08/2017	Vantage Point Survey	6	01:00 starting at 06:50	Wind Speed and Direction:Calm, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 70 Rain: None; Frost: None ; Snow: None	
08/08/2017	Vantage Point Survey	6	01:00 starting at 08:20	Wind Speed and Direction:Calm, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 70 Rain: None; Frost: None ; Snow: None	
08/08/2017	Vantage Point Survey	6	01:00 starting at 09:20	Wind Speed and Direction:Light Air, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 70 Rain: None; Frost: None ; Snow: None	
08/08/2017	Vantage Point Survey	6	01:00 starting at 10:20	Wind Speed and Direction:Light Air, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 45 Rain: None; Frost: None ; Snow: None	
12/09/2017	Vantage Point Survey	6	01:00 starting at 14:25	Wind Speed and Direction:Gentle Breeze, SW; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 100 Rain: Light Showers; Frost: None ; Snow: None	
12/09/2017	Vantage Point Survey	6	01:00 starting at 15:25	Wind Speed and Direction:Gentle Breeze, SW; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 100 Rain: Light Showers; Frost: None ; Snow: None	
12/09/2017	Vantage Point Survey	6	01:00 starting at 16:25	Wind Speed and Direction:Gentle Breeze, SW; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 100 Rain: Light Showers; Frost: None ; Snow: None	
12/09/2017	Vantage Point Survey	6	01:00 starting at 17:55	Wind Speed and Direction:Light Breeze, SW; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 100 Rain: Light Showers; Frost: None ; Snow: None	
12/09/2017	Vantage Point Survey	6	01:00 starting at 18:55	Wind Speed and Direction:Gentle Breeze, E; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 100 Rain: Light Showers; Frost: None ; Snow: None	
12/09/2017	Vantage Point Survey	6	01:00 starting at 19:55	Wind Speed and Direction:Light Breeze, E; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 100 Rain: Light Showers; Frost: None ; Snow: None	
12/04/2017	Vantage Point Survey	7	01:00 starting at 08:00	Wind Speed and Direction:Gentle Breeze, NW; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud	

Date	Survey Method	VP/ transect / area number	Survey Duration	Weather Conditions	Comments
				Cover %: 66-100 Rain: None; Frost: None ; Snow: None	
12/04/2017	Vantage Point Survey	7	01:00 starting at 10:00	Wind Speed and Direction:Gentle Breeze, NW; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	
12/04/2017	Vantage Point Survey	7	01:00 starting at 11:30	Wind Speed and Direction:Light Breeze, NW; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: Light Showers; Frost: None ; Snow: None	
12/04/2017	Vantage Point Survey	7	01:00 starting at 12:30	Wind Speed and Direction:Gentle Breeze, NW; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: Light Showers; Frost: None ; Snow: None	
12/04/2017	Vantage Point Survey	7	01:00 starting at 13:30	Wind Speed and Direction:Gentle Breeze, NW; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: Light Showers; Frost: None ; Snow: None	
12/04/2017	Vantage Point Survey	7	01:00 starting at 09:00	Wind Speed and Direction:Gentle Breeze, NW; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: Drizzle Mist; Frost: None ; Snow: None	
25/05/2017	Vantage Point Survey	7	01:00 starting at 04:15	wind speed and direction:Calm, E; visibility: Moderate (1-2km); Rain: Drizzle Mist; Frost: None ; Snow: None	
25/05/2017	Vantage Point Survey	7	01:00 starting at 05:15	wind speed and direction:Light Air, E; visibility: Moderate (1-2km); Rain: Drizzle Mist; Frost: None ; Snow: None	
25/05/2017	Vantage Point Survey	7	01:00 starting at 06:15	wind speed and direction:Calm, E; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None	
25/05/2017	Vantage Point Survey	7	01:00 starting at 07:45	wind speed and direction:Gentle Breeze, E; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None	
25/05/2017	Vantage Point Survey	7	01:00 starting at 08:45	wind speed and direction:Moderate Breeze, E; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None	
25/05/2017	Vantage Point Survey	7	01:00 starting at 09:45	wind speed and direction:Fresh Breeze, E; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None	
28/06/2017	Vantage Point Survey	7	01:00 starting at 09:45	wind speed and direction:Calm, NE; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None	
28/06/2017	Vantage Point Survey	7	01:00 starting at 10:45	wind speed and direction:Light Air, NE; visibility: Good (>2km); Rain: Drizzle Mist; Frost: None ; Snow: None	

Date	Survey Method	VP/ transect / area number	Survey Duration	Weather Conditions	Comments
28/06/2017	Vantage Point Survey	7	01:00 starting at 11:45	wind speed and direction:Light Air, NE; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None	
28/06/2017	Vantage Point Survey	7	01:00 starting at 13:15	wind speed and direction:Light Breeze, NE; visibility: Good (>2km); Rain: Drizzle Mist; Frost: None ; Snow: None	
28/06/2017	Vantage Point Survey	7	02:00 starting at 14:15	wind speed and direction:Gentle Breeze, E; visibility: Good (>2km); Rain: Drizzle Mist; Frost: None ; Snow: None	
13/07/2017	Vantage Point Survey	7	01:00 starting at 09:00	Wind Speed and Direction:Gentle Breeze, SSW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None	
13/07/2017	Vantage Point Survey	7	01:00 starting at 10:00	Wind Speed and Direction:Moderate Breeze, SSW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None	
13/07/2017	Vantage Point Survey	7	01:00 starting at 11:00	Wind Speed and Direction:Moderate Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None	
13/07/2017	Vantage Point Survey	7	01:00 starting at 12:30	Wind Speed and Direction:Moderate Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None	
13/07/2017	Vantage Point Survey	7	01:00 starting at 13:30	Wind Speed and Direction:Fresh Breeze, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 95 Rain: None; Frost: None ; Snow: None	
13/07/2017	Vantage Point Survey	7	01:00 starting at 14:30	Wind Speed and Direction:Strong Breeze, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 90 Rain: None; Frost: None ; Snow: None	
07/08/2017	Vantage Point Survey	7	01:00 starting at 04:50	Wind Speed and Direction:Calm, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 50 Rain: None; Frost: None ; Snow: None	
07/08/2017	Vantage Point Survey	7	01:00 starting at 05:50	Wind Speed and Direction:Calm, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 30 Rain: None; Frost: None ; Snow: None	
07/08/2017	Vantage Point Survey	7	01:00 starting at 06:50	Wind Speed and Direction:Calm, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 75 Rain: None; Frost: None ; Snow: None	
07/08/2017	Vantage Point Survey	7	01:00 starting at 08:20	Wind Speed and Direction:Calm, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 20 Rain: None; Frost: None ; Snow: None	

Date	Survey Method	VP/ transect / area number	Survey Duration	Weather Conditions	Comments
07/08/2017	Vantage Point Survey	7	01:00 starting at 09:20	Wind Speed and Direction:Light Air, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 50 Rain: None; Frost: None ; Snow: None	
07/08/2017	Vantage Point Survey	7	01:00 starting at 10:20	Wind Speed and Direction:Light Air, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 50 Rain: None; Frost: None ; Snow: None	
11/09/2017	Vantage Point Survey	7	01:00 starting at 14:27	#REF!	
11/09/2017	Vantage Point Survey	7	01:00 starting at 15:27	Wind Speed and Direction:Moderate Breeze, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 95 Rain: Heavy Showers; Frost: None ; Snow: None	
11/09/2017	Vantage Point Survey	7	01:00 starting at 16:27	Wind Speed and Direction:Moderate Breeze, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 80 Rain: None; Frost: None ; Snow: None	
11/09/2017	Vantage Point Survey	7	01:00 starting at 17:57	Wind Speed and Direction:Moderate Breeze, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 55 Rain: None; Frost: None ; Snow: None	
11/09/2017	Vantage Point Survey	7	01:00 starting at 18:57	Wind Speed and Direction:Moderate Breeze, N; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 50 Rain: Light Showers; Frost: None ; Snow: None	
11/09/2017	Vantage Point Survey	7	01:00 starting at 19:57	Wind Speed and Direction:Moderate Breeze, N; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 30 Rain: Light Showers; Frost: None ; Snow: None	
13/04/2017	Vantage Point Survey	8	01:00 starting at 08:00	Wind Speed and Direction:Light Breeze, W; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	
13/04/2017	Vantage Point Survey	8	01:00 starting at 09:00	Wind Speed and Direction:Light Breeze, W; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	
13/04/2017	Vantage Point Survey	8	01:00 starting at 10:00	Wind Speed and Direction:Light Breeze, W; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	
13/04/2017	Vantage Point Survey	8	01:00 starting at 11:30	Wind Speed and Direction:Light Air, W; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	

Date	Survey Method	VP/ transect / area number	Survey Duration	Weather Conditions	Comments
13/04/2017	Vantage Point Survey	8	01:00 starting at 12:30	Wind Speed and Direction:Light Air, W; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	
13/04/2017	Vantage Point Survey	8	01:00 starting at 13:30	Wind Speed and Direction:Light Air, W; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	
24/05/2017	Vantage Point Survey	8	01:00 starting at 04:16	wind speed and direction:Light Breeze, SW; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None	
24/05/2017	Vantage Point Survey	8	01:00 starting at 05:16	wind speed and direction:Light Breeze, SW; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None	
24/05/2017	Vantage Point Survey	8	01:00 starting at 06:16	wind speed and direction:Light Air, SW; visibility: Good (>2km); Rain: Drizzle Mist; Frost: None ; Snow: None	
24/05/2017	Vantage Point Survey	8	01:00 starting at 07:46	wind speed and direction:Light Air, SW; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None	
24/05/2017	Vantage Point Survey	8	01:00 starting at 08:46	wind speed and direction:Light Breeze, SW; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None	
24/05/2017	Vantage Point Survey	8	01:00 starting at 09:46	wind speed and direction:Light Breeze, SW; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None	
15/06/2017	Vantage Point Survey	8	02:00 starting at 09:30	wind speed and direction:Moderate Breeze, SW; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None	
15/06/2017	Vantage Point Survey	8	01:00 starting at 11:30	wind speed and direction:Moderate Breeze, SW; visibility: Good (>2km); Rain: Drizzle Mist; Frost: None ; Snow: None	
15/06/2017	Vantage Point Survey	8	02:00 starting at 13:00	wind speed and direction:Moderate Breeze, SW; visibility: Good (>2km); Rain: Light Showers; Frost: None ; Snow: None	
15/06/2017	Vantage Point Survey	8	01:00 starting at 15:00	wind speed and direction:Moderate Breeze, SW; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None	
12/07/2017	Vantage Point Survey	8	01:00 starting at 09:00	Wind Speed and Direction:Light Breeze, NNE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 30 Rain: None; Frost: None ; Snow: None	
12/07/2017	Vantage Point Survey	8	01:00 starting at 10:00	Wind Speed and Direction:Light Air, NNE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 25 Rain: None; Frost: None ; Snow: None	

Date	Survey Method	VP/ transect / area number	Survey Duration	Weather Conditions	Comments
12/07/2017	Vantage Point Survey	8	01:00 starting at 11:00	Wind Speed and Direction:Light Air, NE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 50 Rain: None; Frost: None ; Snow: None	
12/07/2017	Vantage Point Survey	8	01:00 starting at 12:30	Wind Speed and Direction:Light Air, SSW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 60 Rain: None; Frost: None ; Snow: None	
12/07/2017	Vantage Point Survey	8	01:00 starting at 13:30	Wind Speed and Direction:Light Air, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 60 Rain: None; Frost: None ; Snow: None	
12/07/2017	Vantage Point Survey	8	01:00 starting at 14:30	Wind Speed and Direction:Light Air, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 40 Rain: None; Frost: None ; Snow: None	
05/08/2017	Vantage Point Survey	8	01:00 starting at 04:50	Wind Speed and Direction:Calm, N/A; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 55 Rain: None; Frost: None ; Snow: None	
05/08/2017	Vantage Point Survey	8	01:00 starting at 05:50	Wind Speed and Direction:Light Air, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 100 Rain: Light Showers; Frost: None ; Snow: None	
05/08/2017	Vantage Point Survey	8	01:00 starting at 06:50	Wind Speed and Direction:Light Air, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 90 Rain: Light Showers; Frost: None ; Snow: None	
05/08/2017	Vantage Point Survey	8	01:00 starting at 08:20	Wind Speed and Direction:Light Air, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 40 Rain: None; Frost: None ; Snow: None	
05/08/2017	Vantage Point Survey	8	01:00 starting at 09:20	Wind Speed and Direction:Light Air, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 35 Rain: None; Frost: None ; Snow: None	
05/08/2017	Vantage Point Survey	8	01:00 starting at 10:20	Wind Speed and Direction:Light Breeze, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 65 Rain: None; Frost: None ; Snow: None	
08/08/2017	Vantage Point Survey	8	01:00 starting at 04:50	Wind Speed and Direction:Calm, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 50 Rain: None; Frost: None ; Snow: None	
08/08/2017	Vantage Point Survey	8	01:00 starting at 05:50	Wind Speed and Direction:Calm, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 85 Rain: None; Frost: None ; Snow: None	

Date	Survey Method	VP/ transect / area number	Survey Duration	Weather Conditions	Comments
08/08/2017	Vantage Point Survey	8	01:00 starting at 06:50	Wind Speed and Direction:Calm, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 90 Rain: None; Frost: None ; Snow: None	
08/08/2017	Vantage Point Survey	8	01:00 starting at 08:20	Wind Speed and Direction:Calm, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 90 Rain: None; Frost: None ; Snow: None	
08/08/2017	Vantage Point Survey	8	01:00 starting at 09:20	Wind Speed and Direction:Light Air, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 90 Rain: None; Frost: None ; Snow: None	
08/08/2017	Vantage Point Survey	8	01:00 starting at 10:20	Wind Speed and Direction:Light Air, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 45 Rain: None; Frost: None ; Snow: None	
08/09/2017	Vantage Point Survey	8	01:00 starting at 14:30	Wind Speed and Direction:Moderate Breeze, WNW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 60 Rain: None; Frost: None ; Snow: None	
08/09/2017	Vantage Point Survey	8	01:00 starting at 15:30	Wind Speed and Direction:Moderate Breeze, WNW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None	
08/09/2017	Vantage Point Survey	8	01:00 starting at 16:30	Wind Speed and Direction:Fresh Breeze, WNW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 75 Rain: None; Frost: None ; Snow: None	
08/09/2017	Vantage Point Survey	8	01:00 starting at 18:00	Wind Speed and Direction:Gentle Breeze, WNW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 65 Rain: None; Frost: None ; Snow: None	
08/09/2017	Vantage Point Survey	8	01:00 starting at 19:00	Wind Speed and Direction:Gentle Breeze, WNW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 40 Rain: None; Frost: None ; Snow: None	
08/09/2017	Vantage Point Survey	8	01:00 starting at 20:00	Wind Speed and Direction:Gentle Breeze, WNW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 35 Rain: None; Frost: None ; Snow: None	
14/04/2017	Vantage Point Survey	9	01:00 starting at 07:30	Wind Speed and Direction:Light Air, W; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	
14/04/2017	Vantage Point Survey	9	01:00 starting at 08:30	Wind Speed and Direction:Light Breeze, W; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	

Date	Survey Method	VP/ transect / area number	Survey Duration	Weather Conditions	Comments
14/04/2017	Vantage Point Survey	9	01:00 starting at 09:30	Wind Speed and Direction:Light Breeze, W; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	
14/04/2017	Vantage Point Survey	9	01:00 starting at 11:30	Wind Speed and Direction:Light Breeze, W; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: Drizzle Mist; Frost: None ; Snow: None	
14/04/2017	Vantage Point Survey	9	01:00 starting at 12:30	Wind Speed and Direction:Light Breeze, W; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	
14/04/2017	Vantage Point Survey	9	01:00 starting at 13:30	Wind Speed and Direction:Light Breeze, W; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: Light Showers; Frost: None ; Snow: None	
23/05/2017	Vantage Point Survey	9	01:00 starting at 04:18	wind speed and direction:Light Air, SSW; visibility: Moderate (1-2km); Rain: None; Frost: None ; Snow: None	
23/05/2017	Vantage Point Survey	9	01:00 starting at 05:18	wind speed and direction:Light Air, SSW; visibility: Moderate (1-2km); Rain: None; Frost: None ; Snow: None	
23/05/2017	Vantage Point Survey	9	01:00 starting at 06:18	wind speed and direction:Light Air, SSW; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None	
23/05/2017	Vantage Point Survey	9	01:00 starting at 07:48	wind speed and direction:Gentle Breeze, SSW; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None	
23/05/2017	Vantage Point Survey	9	01:00 starting at 08:48	wind speed and direction:Light Breeze, SSW; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None	
23/05/2017	Vantage Point Survey	9	01:00 starting at 09:48	wind speed and direction:Gentle Breeze, SSW; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None	
23/06/2017	Vantage Point Survey	9	01:00 starting at 05:55	wind speed and direction:Moderate Breeze, SW; visibility: Good (>2km); Rain: Drizzle Mist; Frost: None ; Snow: None	
23/06/2017	Vantage Point Survey	9	02:00 starting at 06:55	wind speed and direction:Moderate Breeze, SW; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None	
23/06/2017	Vantage Point Survey	9	03:00 starting at 09:25	wind speed and direction:Gentle Breeze, SW; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None	
05/07/2017	Vantage Point Survey	9	01:00 starting at 09:00	Wind Speed and Direction:Light Air, NE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None	

Date	Survey Method	VP/ transect / area number	Survey Duration	Weather Conditions	Comments
05/07/2017	Vantage Point Survey	9	01:00 starting at 10:00	Wind Speed and Direction:Light Air, NE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None	
05/07/2017	Vantage Point Survey	9	01:00 starting at 11:00	Wind Speed and Direction:Calm, NE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None	
05/07/2017	Vantage Point Survey	9	01:00 starting at 12:30	Wind Speed and Direction:Light Breeze, NE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 85 Rain: None; Frost: None ; Snow: None	
05/07/2017	Vantage Point Survey	9	01:00 starting at 13:30	Wind Speed and Direction:Light Air, NE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 70 Rain: None; Frost: None ; Snow: None	
05/07/2017	Vantage Point Survey	9	01:00 starting at 14:30	Wind Speed and Direction:Light Air, NE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 55 Rain: None; Frost: None ; Snow: None	
04/08/2017	Vantage Point Survey	9	01:00 starting at 04:50	Wind Speed and Direction:Calm, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 5 Rain: None; Frost: None ; Snow: None	
04/08/2017	Vantage Point Survey	9	01:00 starting at 05:50	Wind Speed and Direction:Calm, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 5 Rain: None; Frost: None ; Snow: None	
04/08/2017	Vantage Point Survey	9	01:00 starting at 06:50	Wind Speed and Direction:Light Air, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0 Rain: None; Frost: None ; Snow: None	
04/08/2017	Vantage Point Survey	9	01:00 starting at 08:20	Wind Speed and Direction:Light Air, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 40 Rain: None; Frost: None ; Snow: None	
04/08/2017	Vantage Point Survey	9	01:00 starting at 09:20	Wind Speed and Direction:Light Breeze, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 70 Rain: None; Frost: None ; Snow: None	
04/08/2017	Vantage Point Survey	9	01:00 starting at 10:20	Wind Speed and Direction:Light Air, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 50 Rain: None; Frost: None ; Snow: None	
07/09/2017	Vantage Point Survey	9	01:00 starting at 14:40	Wind Speed and Direction:Moderate Breeze, WSW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None	

Date	Survey Method	VP/ transect / area number	Survey Duration	Weather Conditions	Comments
07/09/2017	Vantage Point Survey	9	01:00 starting at 15:40	Wind Speed and Direction: Moderate Breeze, WSW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None	
07/09/2017	Vantage Point Survey	9	01:00 starting at 16:40	Wind Speed and Direction: Moderate Breeze, WSW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None	
07/09/2017	Vantage Point Survey	9	01:00 starting at 18:10	Wind Speed and Direction: Moderate Breeze, WSW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 100 Rain: Drizzle Mist; Frost: None ; Snow: None	
07/09/2017	Vantage Point Survey	9	01:00 starting at 19:10	Wind Speed and Direction: Moderate Breeze, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None	
07/09/2017	Vantage Point Survey	9	01:00 starting at 20:10	Wind Speed and Direction: Moderate Breeze, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None	
12/04/2017	Vantage Point Survey	10	01:00 starting at 08:50	wind speed and direction: Light Breeze, W; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None	
12/04/2017	Vantage Point Survey	10	01:00 starting at 09:50	wind speed and direction: Gentle Breeze, W; visibility: Moderate (1-2km); Rain: Drizzle Mist; Frost: None ; Snow: None	
12/04/2017	Vantage Point Survey	10	01:00 starting at 10:50	wind speed and direction: Gentle Breeze, W; visibility: Moderate (1-2km); Rain: Light Showers; Frost: None ; Snow: None	
12/04/2017	Vantage Point Survey	10	01:00 starting at 12:20	wind speed and direction: Gentle Breeze, W; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None	
12/04/2017	Vantage Point Survey	10	01:00 starting at 13:20	wind speed and direction: Gentle Breeze, W; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None	
12/04/2017	Vantage Point Survey	10	01:00 starting at 14:20	wind speed and direction: Gentle Breeze, W; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None	
24/05/2017	Vantage Point Survey	10	01:00 starting at 05:16	Wind Speed and Direction: Light Breeze, SE; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	
24/05/2017	Vantage Point Survey	10	01:00 starting at 04:16	Wind Speed and Direction: Light Breeze, SE; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	

Date	Survey Method	VP/ transect / area number	Survey Duration	Weather Conditions	Comments
24/05/2017	Vantage Point Survey	10	01:00 starting at 06:16	Wind Speed and Direction:Light Breeze, SE; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	
24/05/2017	Vantage Point Survey	10	01:00 starting at 07:46	Wind Speed and Direction:Light Breeze, SE; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	
24/05/2017	Vantage Point Survey	10	01:00 starting at 08:46	Wind Speed and Direction:Light Breeze, SE; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	
24/05/2017	Vantage Point Survey	10	01:00 starting at 09:46	Wind Speed and Direction:Light Air, SE; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	
22/06/2017	Vantage Point Survey	10	03:00 starting at 12:35	wind speed and direction:Gentle Breeze, W; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None	
22/06/2017	Vantage Point Survey	10	03:00 starting at 16:05	wind speed and direction:Gentle Breeze, W; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None	
04/07/2017	Vantage Point Survey	10	01:00 starting at 09:00	Wind Speed and Direction:Light Breeze, S; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 100 Rain: Light Showers; Frost: None ; Snow: None	
04/07/2017	Vantage Point Survey	10	01:00 starting at 10:00	Wind Speed and Direction:Light Breeze, S; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None	
04/07/2017	Vantage Point Survey	10	01:00 starting at 11:00	Wind Speed and Direction:Light Breeze, S; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 100 Rain: Drizzle Mist; Frost: None ; Snow: None	
04/07/2017	Vantage Point Survey	10	01:00 starting at 12:30	Wind Speed and Direction:Light Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None	
04/07/2017	Vantage Point Survey	10	01:00 starting at 13:30	Wind Speed and Direction:Light Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None	
04/07/2017	Vantage Point Survey	10	01:00 starting at 14:30	Wind Speed and Direction:Light Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 80 Rain: None; Frost: None ; Snow: None	

Date	Survey Method	VP/ transect / area number	Survey Duration	Weather Conditions	Comments
03/08/2017	Vantage Point Survey	10	01:00 starting at 04:50	Wind Speed and Direction:Light Breeze, SSW; Visibility: Moderate (1-2km); Cloud Height: >500m; Cloud Cover %: 100 Rain: Light Showers; Frost: None ; Snow: None	
03/08/2017	Vantage Point Survey	10	01:00 starting at 05:50	Wind Speed and Direction:Moderate Breeze, SSW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 100 Rain: Light Showers; Frost: None ; Snow: None	
03/08/2017	Vantage Point Survey	10	01:00 starting at 06:50	Wind Speed and Direction:Gentle Breeze, WSW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 95 Rain: None; Frost: None ; Snow: None	
03/08/2017	Vantage Point Survey	10	01:00 starting at 08:20	Wind Speed and Direction:Gentle Breeze, WSW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 95 Rain: None; Frost: None ; Snow: None	
03/08/2017	Vantage Point Survey	10	01:00 starting at 09:20	Wind Speed and Direction:Gentle Breeze, WSW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 70 Rain: None; Frost: None ; Snow: None	
03/08/2017	Vantage Point Survey	10	01:00 starting at 10:20	Wind Speed and Direction:Light Breeze, WSW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 95 Rain: None; Frost: None ; Snow: None	
05/09/2017	Vantage Point Survey	10	01:00 starting at 14:40	Wind Speed and Direction:Gentle Breeze, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 40 Rain: None; Frost: None ; Snow: None	
05/09/2017	Vantage Point Survey	10	01:00 starting at 15:40	Wind Speed and Direction:Moderate Breeze, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 40 Rain: None; Frost: None ; Snow: None	
05/09/2017	Vantage Point Survey	10	01:00 starting at 16:40	Wind Speed and Direction:Moderate Breeze, WSW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 95 Rain: None; Frost: None ; Snow: None	
05/09/2017	Vantage Point Survey	10	01:00 starting at 18:10	Wind Speed and Direction:Moderate Breeze, WSW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 60 Rain: None; Frost: None ; Snow: None	
05/09/2017	Vantage Point Survey	10	01:00 starting at 19:10	Wind Speed and Direction:Gentle Breeze, WSW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 80 Rain: None; Frost: None ; Snow: None	
05/09/2017	Vantage Point Survey	10	01:00 starting at 20:10	Wind Speed and Direction:Light Breeze, WSW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 90 Rain: None; Frost: None ; Snow: None	

Date	Survey Method	VP/ transect / area number	Survey Duration	Weather Conditions	Comments
11/04/2017	Vantage Point Survey	11	01:00 starting at 09:52	wind speed and direction:Light Breeze, S; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None	
11/04/2017	Vantage Point Survey	11	01:00 starting at 10:52	wind speed and direction:Gentle Breeze, SW; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None	
11/04/2017	Vantage Point Survey	11	01:00 starting at 11:52	wind speed and direction:Light Breeze, SW; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None	
11/04/2017	Vantage Point Survey	11	01:00 starting at 13:22	wind speed and direction:Gentle Breeze, W; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None	
11/04/2017	Vantage Point Survey	11	01:00 starting at 14:22	wind speed and direction:Gentle Breeze, W; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None	
11/04/2017	Vantage Point Survey	11	01:00 starting at 15:22	wind speed and direction:Gentle Breeze, W; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None	
22/05/2017	Vantage Point Survey	11	01:00 starting at 04:20	wind speed and direction:Moderate Breeze, SSE; visibility: Good (>2km); Rain: Light Showers; Frost: None ; Snow: None	
22/05/2017	Vantage Point Survey	11	01:00 starting at 05:20	wind speed and direction:Moderate Breeze, SSE; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None	
22/05/2017	Vantage Point Survey	11	01:00 starting at 06:20	wind speed and direction:Moderate Breeze, SSE; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None	
22/05/2017	Vantage Point Survey	11	01:00 starting at 07:50	wind speed and direction:Moderate Breeze, SSE; visibility: Good (>2km); Rain: Light Showers; Frost: None ; Snow: None	
22/05/2017	Vantage Point Survey	11	01:00 starting at 08:50	wind speed and direction:Moderate Breeze, SSE; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None	
22/05/2017	Vantage Point Survey	11	01:00 starting at 09:50	wind speed and direction:Moderate Breeze, SSE; visibility: Good (>2km); Rain: Light Showers; Frost: None ; Snow: None	
14/06/2017	Vantage Point Survey	11	03:00 starting at 08:45	wind speed and direction:Moderate Breeze, S; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None	
14/06/2017	Vantage Point Survey	11	03:00 starting at 12:15	wind speed and direction:Moderate Breeze, S; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None	
03/07/2017	Vantage Point Survey	11	01:00 starting at 09:00	Wind Speed and Direction:Light Breeze, E; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 95 Rain: None; Frost: None ; Snow: None	

Date	Survey Method	VP/ transect / area number	Survey Duration	Weather Conditions	Comments
03/07/2017	Vantage Point Survey	11	01:00 starting at 10:00	Wind Speed and Direction:Gentle Breeze, E; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None	
03/07/2017	Vantage Point Survey	11	01:00 starting at 11:00	Wind Speed and Direction:Gentle Breeze, E; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None	
03/07/2017	Vantage Point Survey	11	01:00 starting at 12:30	Wind Speed and Direction:Light Breeze, E; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None	
03/07/2017	Vantage Point Survey	11	01:00 starting at 13:30	Wind Speed and Direction:Light Breeze, E; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None	
03/07/2017	Vantage Point Survey	11	01:00 starting at 14:30	Wind Speed and Direction:Gentle Breeze, E; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None	
02/08/2017	Vantage Point Survey	11	01:00 starting at 04:45	Wind Speed and Direction:Gentle Breeze, ESE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None	
02/08/2017	Vantage Point Survey	11	01:00 starting at 05:45	Wind Speed and Direction:Moderate Breeze, ESE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 100 Rain: Light Showers; Frost: None ; Snow: None	
02/08/2017	Vantage Point Survey	11	01:00 starting at 06:45	Wind Speed and Direction:Moderate Breeze, ESE; Visibility: Moderate (1-2km); Cloud Height: >500m; Cloud Cover %: 100 Rain: Light Showers; Frost: None ; Snow: None	
02/08/2017	Vantage Point Survey	11	01:00 starting at 08:15	Wind Speed and Direction:Fresh Breeze, ESE; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 100 Rain: Drizzle Mist; Frost: None ; Snow: None	
02/08/2017	Vantage Point Survey	11	01:00 starting at 09:15	Wind Speed and Direction:Moderate Breeze, SE; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 100 Rain: Drizzle Mist; Frost: None ; Snow: None	
02/08/2017	Vantage Point Survey	11	01:00 starting at 10:15	Wind Speed and Direction:Gentle Breeze, SE; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 100 Rain: Drizzle Mist; Frost: None ; Snow: None	
06/09/2017	Vantage Point Survey	11	01:00 starting at 14:40	Wind Speed and Direction:Light Breeze, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 95 Rain: None; Frost: None ; Snow: None	K Hovering behing VP (band 3) at 3:30pm

Date	Survey Method	VP/ transect / area number	Survey Duration	Weather Conditions	Comments
06/09/2017	Vantage Point Survey	11	01:00 starting at 15:40	Wind Speed and Direction:Light Breeze, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 100 Rain: Drizzle Mist; Frost: None ; Snow: None	
06/09/2017	Vantage Point Survey	11	01:00 starting at 16:40	Wind Speed and Direction:Gentle Breeze, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None	
06/09/2017	Vantage Point Survey	11	01:00 starting at 18:10	Wind Speed and Direction:Light Breeze, WSW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None	
06/09/2017	Vantage Point Survey	11	01:00 starting at 19:10	Wind Speed and Direction:Light Breeze, WSW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None	
06/09/2017	Vantage Point Survey	11	01:00 starting at 20:10	Wind Speed and Direction:Light Breeze, WSW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None	
18/04/2017	Breeding Bird Walkover		01:00 starting at 06:55	Wind Speed and Direction:Light Air, SE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None	
18/04/2017	Breeding Bird Walkover		01:00 starting at 07:55	Wind Speed and Direction:Light Air, SE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None	
18/04/2017	Breeding Bird Walkover		01:00 starting at 08:55	Wind Speed and Direction:Light Air, SE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None	
18/04/2017	Breeding Bird Walkover		01:00 starting at 10:25	Wind Speed and Direction:Light Air, SE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None	
18/04/2017	Breeding Bird Walkover		01:00 starting at 11:25	Wind Speed and Direction:Light Air, SE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None	
18/04/2017	Breeding Bird Walkover		01:00 starting at 12:25	Wind Speed and Direction:Light Air, SE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None	
19/04/2017	Breeding Bird Walkover		01:00 starting at 06:30	Wind Speed and Direction:Light Air, W; Visibility: Moderate (1-2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: Drizzle Mist; Frost: None ; Snow: None	

Date	Survey Method	VP/ transect / area number	Survey Duration	Weather Conditions	Comments
19/04/2017	Breeding Bird Walkover		01:00 starting at 07:30	Wind Speed and Direction:Light Air, W; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: Drizzle Mist; Frost: None ; Snow: None	
19/04/2017	Breeding Bird Walkover		01:00 starting at 08:30	Wind Speed and Direction:Light Air, W; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: Drizzle Mist; Frost: None ; Snow: None	
19/04/2017	Breeding Bird Walkover		01:00 starting at 10:00	Wind Speed and Direction:Light Air, W; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	
19/04/2017	Breeding Bird Walkover		01:00 starting at 11:00	Wind Speed and Direction:Light Air, W; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: Drizzle Mist; Frost: None ; Snow: None	
19/04/2017	Breeding Bird Walkover		01:00 starting at 12:00	Wind Speed and Direction:Light Air, W; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	
20/04/2017	Breeding Bird Walkover		01:00 starting at 06:30	Wind Speed and Direction:Light Air, W; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	
20/04/2017	Breeding Bird Walkover		01:00 starting at 07:30	Wind Speed and Direction:Light Air, W; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	
20/04/2017	Breeding Bird Walkover		01:00 starting at 08:30	Wind Speed and Direction:Light Breeze, W; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	
20/04/2017	Breeding Bird Walkover		01:00 starting at 10:00	Wind Speed and Direction:Light Air, W; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	
20/04/2017	Breeding Bird Walkover		01:00 starting at 11:00	Wind Speed and Direction:Light Air, W; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	
20/04/2017	Breeding Bird Walkover		01:00 starting at 12:00	Wind Speed and Direction:Light Air, W; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	
21/04/2017	Breeding Bird Walkover		03:00 starting at 09:25	wind speed and direction:Light Breeze, NW; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None	

Date	Survey Method	VP/ transect / area number	Survey Duration	Weather Conditions	Comments
21/04/2017	Breeding Bird Walkover		03:00 starting at 06:20	wind speed and direction:Light Breeze, NW; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None	
24/04/2017	Breeding Bird Walkover		01:00 starting at 06:30	Wind Speed and Direction:Light Breeze, SW; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	
24/04/2017	Breeding Bird Walkover		01:00 starting at 07:30	Wind Speed and Direction:Gentle Breeze, SW; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: Drizzle Mist; Frost: None ; Snow: None	
24/04/2017	Breeding Bird Walkover		01:00 starting at 08:30	Wind Speed and Direction:Gentle Breeze, SW; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: Light Showers; Frost: None ; Snow: None	
24/04/2017	Breeding Bird Walkover		01:00 starting at 10:00	Wind Speed and Direction:Gentle Breeze, SW; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	
24/04/2017	Breeding Bird Walkover		01:00 starting at 11:00	Wind Speed and Direction:Gentle Breeze, SW; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None	
24/04/2017	Breeding Bird Walkover		01:00 starting at 12:00	Wind Speed and Direction:Gentle Breeze, SW; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None	
25/04/2017	Breeding Bird Walkover		02:10 starting at 09:20	wind speed and direction:Light Breeze, N; visibility: No Visibility; Rain: None; Frost: None ; Snow: None	
25/04/2017	Breeding Bird Walkover		03:00 starting at 06:10	wind speed and direction:Light Breeze, N; visibility: No Visibility; Rain: None; Frost: None ; Snow: None	
26/04/2017	Breeding Bird Walkover		02:00 starting at 07:00	wind speed and direction:Light Breeze, NW; visibility: No Visibility; Rain: None; Frost: None ; Snow: None	
26/04/2017	Breeding Bird Walkover		03:30 starting at 09:20	wind speed and direction:Light Breeze, NW; visibility: No Visibility; Rain: None; Frost: None ; Snow: None	
27/04/2017	Breeding Bird Walkover		02:00 starting at 09:15	wind speed and direction:Gentle Breeze, NW; visibility: No Visibility; Rain: None; Frost: None ; Snow: None	
27/04/2017	Breeding Bird Walkover		02:30 starting at 06:00	wind speed and direction:Light Air, NW; visibility: No Visibility; Rain: Drizzle Mist; Frost: None ; Snow: None	
28/04/2017	Breeding Bird Walkover		01:00 starting at 09:20	wind speed and direction:Light Air, NW; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None	

Date	Survey Method	VP/ transect / area number	Survey Duration	Weather Conditions	Comments
28/04/2017	Breeding Bird Walkover		02:40 starting at 06:05	wind speed and direction:Calm, NW; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None	
15/05/2017	Breeding Bird Walkover		05:00 starting at 11:40	wind speed and direction:Fresh Breeze, S; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None	
16/05/2017	Breeding Bird Walkover		04:00 starting at 09:00	wind speed and direction:Fresh Breeze, S; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None	
16/05/2017	Breeding Bird Walkover		03:00 starting at 05:30	wind speed and direction:Fresh Breeze, S; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None	
17/05/2017	Breeding Bird Walkover		03:00 starting at 09:00	wind speed and direction:Light Breeze, SW; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None	
17/05/2017	Breeding Bird Walkover		03:00 starting at 05:30	wind speed and direction:Calm, SW; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None	
18/05/2017	Breeding Bird Walkover		03:00 starting at 08:30	wind speed and direction:Gentle Breeze, SW; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None	
18/05/2017	Breeding Bird Walkover		02:30 starting at 05:45	wind speed and direction:Calm, SW; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None	
19/05/2017	Breeding Bird Walkover		06:30 starting at 09:30	wind speed and direction:Light Air, S; visibility: Poor (<km); Rain: None; Frost: None ; Snow: None	
20/05/2017	Breeding Bird Walkover		03:00 starting at 08:30	wind speed and direction:Gentle Breeze, S; visibility: Poor (<km); Rain: None; Frost: None ; Snow: None	
20/05/2017	Breeding Bird Walkover		02:00 starting at 06:30	wind speed and direction:Light Breeze, S; visibility: Poor (<km); Rain: None; Frost: None ; Snow: None	
21/05/2017	Breeding Bird Walkover		03:00 starting at 08:30	wind speed and direction:Moderate Breeze, SSE; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None	
21/05/2017	Breeding Bird Walkover		03:00 starting at 05:20	wind speed and direction:Moderate Breeze, SSE; visibility: Good (>2km); Rain: Light Showers; Frost: None ; Snow: None	
22/05/2017	Breeding Bird Walkover		01:00 starting at 12:00	Wind Speed and Direction:Light Breeze, SW; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	
22/05/2017	Breeding Bird Walkover		01:00 starting at 13:00	Wind Speed and Direction:Gentle Breeze, SW; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	

Date	Survey Method	VP/ transect / area number	Survey Duration	Weather Conditions	Comments
22/05/2017	Breeding Bird Walkover		01:00 starting at 14:00	Wind Speed and Direction:Gentle Breeze, SW; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	
22/05/2017	Breeding Bird Walkover		01:00 starting at 15:00	Wind Speed and Direction:Gentle Breeze, SW; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	
22/05/2017	Breeding Bird Walkover		01:00 starting at 16:00	Wind Speed and Direction:Gentle Breeze, SW; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	
22/05/2017	Breeding Bird Walkover		00:30 starting at 17:00	Wind Speed and Direction:Gentle Breeze, SW; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	
23/05/2017	Breeding Bird Walkover		01:00 starting at 10:00	Wind Speed and Direction:Gentle Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None	
23/05/2017	Breeding Bird Walkover		01:00 starting at 11:00	Wind Speed and Direction:Gentle Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None	
23/05/2017	Breeding Bird Walkover		01:00 starting at 12:00	Wind Speed and Direction:Gentle Breeze, SW; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	
23/05/2017	Breeding Bird Walkover		01:00 starting at 13:15	Wind Speed and Direction:Gentle Breeze, SW; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	
23/05/2017	Breeding Bird Walkover		01:00 starting at 14:15	Wind Speed and Direction:Gentle Breeze, SW; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	
23/05/2017	Breeding Bird Walkover		01:00 starting at 15:15	Wind Speed and Direction:Gentle Breeze, SW; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	
25/05/2017	Breeding Bird Walkover		01:00 starting at 11:00	wind speed and direction:Fresh Breeze, E; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None	
01/06/2017	Breeding Bird Walkover		01:00 starting at 08:10	Wind Speed and Direction:Light Breeze, S; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: Drizzle Mist; Frost: None ; Snow: None	

Date	Survey Method	VP/ transect / area number	Survey Duration	Weather Conditions	Comments
01/06/2017	Breeding Bird Walkover		01:00 starting at 09:10	Wind Speed and Direction:Gentle Breeze, S; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: Drizzle Mist; Frost: ; Snow: None	
01/06/2017	Breeding Bird Walkover		01:00 starting at 10:10	Wind Speed and Direction:Gentle Breeze, S; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: Light Showers; Frost: None ; Snow: None	
01/06/2017	Breeding Bird Walkover		01:00 starting at 11:10	Wind Speed and Direction:Gentle Breeze, S; Visibility: Moderate (1- 2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: Heavy Rain; Frost: None ; Snow: None	
01/06/2017	Breeding Bird Walkover		01:00 starting at 12:10	Wind Speed and Direction:Light Breeze, SW; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: Light Showers; Frost: None ; Snow: None	
01/06/2017	Breeding Bird Walkover		01:00 starting at 13:10	Wind Speed and Direction:Light Breeze, SW; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: Light Showers; Frost: None ; Snow: None	
02/06/2017	Breeding Bird Walkover		01:00 starting at 08:00	Wind Speed and Direction:Light Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None	
02/06/2017	Breeding Bird Walkover		01:00 starting at 09:00	Wind Speed and Direction:Light Breeze, SW; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None	
02/06/2017	Breeding Bird Walkover		01:00 starting at 10:00	Wind Speed and Direction:Light Breeze, SW; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 33-66 Rain: None; Frost: None ; Snow: None	
02/06/2017	Breeding Bird Walkover		01:00 starting at 11:30	Wind Speed and Direction:Gentle Breeze, SW; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: Light Showers; Frost: None ; Snow: None	
02/06/2017	Breeding Bird Walkover		01:00 starting at 12:30	Wind Speed and Direction:Gentle Breeze, SW; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 33-66 Rain: Light Showers; Frost: None ; Snow: None	
02/06/2017	Breeding Bird Walkover		01:00 starting at 13:30	Wind Speed and Direction:Gentle Breeze, SW; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 33-66 Rain: Light Showers; Frost: None ; Snow: None	
06/06/2017	Breeding Bird Walkover		01:00 starting at 08:10	Wind Speed and Direction:Gentle Breeze, W; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	

Date	Survey Method	VP/ transect / area number	Survey Duration	Weather Conditions	Comments
06/06/2017	Breeding Bird Walkover		01:00 starting at 09:10	Wind Speed and Direction: Moderate Breeze, W; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	
06/06/2017	Breeding Bird Walkover		01:00 starting at 10:10	Wind Speed and Direction: Moderate Breeze, NW; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: Light Showers; Frost: None ; Snow: None	
06/06/2017	Breeding Bird Walkover		01:00 starting at 11:30	Wind Speed and Direction: Moderate Breeze, NW; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	
06/06/2017	Breeding Bird Walkover		01:00 starting at 12:30	Wind Speed and Direction: Moderate Breeze, NW; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	
06/06/2017	Breeding Bird Walkover		01:00 starting at 13:30	Wind Speed and Direction: Moderate Breeze, NW; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: Light Showers; Frost: None ; Snow: None	
07/06/2017	Breeding Bird Walkover		01:00 starting at 08:10	Wind Speed and Direction: Light Breeze, SE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow:	
07/06/2017	Breeding Bird Walkover		01:00 starting at 09:10	Wind Speed and Direction: Light Breeze, SE; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	
07/06/2017	Breeding Bird Walkover		01:00 starting at 10:10	Wind Speed and Direction: Light Breeze, SE; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	
07/06/2017	Breeding Bird Walkover		01:00 starting at 11:30	Wind Speed and Direction: Gentle Breeze, S; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	
07/06/2017	Breeding Bird Walkover		01:00 starting at 12:30	Wind Speed and Direction: Gentle Breeze, S; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	
07/06/2017	Breeding Bird Walkover		01:00 starting at 13:30	Wind Speed and Direction: Gentle Breeze, S; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	
12/06/2017	Breeding Bird Walkover		01:00 starting at 08:10	Wind Speed and Direction: Light Breeze, W; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	

Date	Survey Method	VP/ transect / area number	Survey Duration	Weather Conditions	Comments
12/06/2017	Breeding Bird Walkover		01:00 starting at 09:10	Wind Speed and Direction:Gentle Breeze, W; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: Light Showers; Frost: None ; Snow: None	
12/06/2017	Breeding Bird Walkover		01:00 starting at 10:10	Wind Speed and Direction:Gentle Breeze, W; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	
12/06/2017	Breeding Bird Walkover		01:00 starting at 11:30	Wind Speed and Direction:Gentle Breeze, W; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	
12/06/2017	Breeding Bird Walkover		01:00 starting at 12:30	Wind Speed and Direction:Gentle Breeze, W; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: Drizzle Mist; Frost: None ; Snow: None	
12/06/2017	Breeding Bird Walkover		01:00 starting at 13:30	Wind Speed and Direction:Gentle Breeze, W; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	
15/06/2017	Breeding Bird Walkover		01:00 starting at 09:30	Wind Speed and Direction:Gentle Breeze, SW; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: Light Showers; Frost: None ; Snow: None	
15/06/2017	Breeding Bird Walkover		01:00 starting at 10:30	Wind Speed and Direction:Moderate Breeze, SW; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: Drizzle Mist; Frost: None ; Snow: None	
15/06/2017	Breeding Bird Walkover		01:00 starting at 11:30	Wind Speed and Direction:Moderate Breeze, SW; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: Light Showers; Frost: None ; Snow: None	
15/06/2017	Breeding Bird Walkover		01:00 starting at 12:30	Wind Speed and Direction:Moderate Breeze, SW; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: Light Showers; Frost: None ; Snow: None	
15/06/2017	Breeding Bird Walkover		01:00 starting at 13:30	Wind Speed and Direction:Moderate Breeze, SW; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	
15/06/2017	Breeding Bird Walkover		01:00 starting at 14:30	Wind Speed and Direction:Moderate Breeze, SW; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 66-100 Rain: Light Showers; Frost: None ; Snow: None	
22/06/2017	Breeding Bird Walkover		06:00 starting at 08:00	Wind Speed and Direction:Light Breeze, NW; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 100 Rain: Drizzle Mist; Frost: None ; Snow: None	

Date	Survey Method	VP/ transect / area number	Survey Duration	Weather Conditions	Comments
22/06/2017	Breeding Bird Walkover		03:30 starting at 17:00	Wind Speed and Direction:Fresh Breeze, SSW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None	
22/06/2017	Breeding Bird Walkover		02:30 starting at 05:05	Wind Speed and Direction:Light Breeze, NW; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 100 Rain: Drizzle Mist; Frost: None ; Snow: None	
23/06/2017	Breeding Bird Walkover		03:15 starting at 08:30	Wind Speed and Direction:Moderate Breeze, NNW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 95 Rain: None; Frost: None ; Snow: None	
23/06/2017	Breeding Bird Walkover		03:00 starting at 05:15	Wind Speed and Direction:Strong Breeze, NNW; Visibility: Good (>2km); Cloud Height: 150-500m; Cloud Cover %: 100 Rain: Drizzle Mist; Frost: None ; Snow: None	
19/04/2017	Breeding Raptor Survey		03:00 starting at 09:15	wind speed and direction:Light Breeze, W; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None	
19/04/2017	Breeding Raptor Survey		03:00 starting at 12:45	wind speed and direction:Light Breeze, W; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None	
20/04/2017	Breeding Raptor Survey		03:00 starting at 09:30	wind speed and direction:Light Breeze, W; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None	
20/04/2017	Breeding Raptor Survey		03:00 starting at 13:00	wind speed and direction:Light Breeze, W; visibility: Good (>2km); Rain: None; Frost: None ; Snow: None	
03/05/2017	Breeding Raptor Survey		01:00 starting at 10:30	Wind Speed and Direction:Gentle Breeze, E; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow:	
03/05/2017	Breeding Raptor Survey		01:00 starting at 11:30	Wind Speed and Direction:Gentle Breeze, E; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None	BZ Travelling - Flying West
03/05/2017	Breeding Raptor Survey		01:00 starting at 12:30	Wind Speed and Direction:Gentle Breeze, E; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None	
03/05/2017	Breeding Raptor Survey		01:00 starting at 14:00	Wind Speed and Direction:Gentle Breeze, E; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None	
03/05/2017	Breeding Raptor Survey		01:00 starting at 15:00	Wind Speed and Direction:Gentle Breeze, NE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None	

Date	Survey Method	VP/ transect / area number	Survey Duration	Weather Conditions	Comments
03/05/2017	Breeding Raptor Survey		01:00 starting at 16:00	Wind Speed and Direction:Gentle Breeze, NE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None	
04/05/2017	Breeding Raptor Survey		01:00 starting at 09:15	Wind Speed and Direction:Gentle Breeze, E; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None	BZ - Flying East offsite
04/05/2017	Breeding Raptor Survey		01:00 starting at 10:15	Wind Speed and Direction:Gentle Breeze, E; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None	K - Hunting and Flying east offsite
04/05/2017	Breeding Raptor Survey		01:00 starting at 11:15	Wind Speed and Direction:Moderate Breeze, NE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None	
04/05/2017	Breeding Raptor Survey		01:00 starting at 12:45	Wind Speed and Direction:Moderate Breeze, NE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None	
04/05/2017	Breeding Raptor Survey		01:00 starting at 13:45	Wind Speed and Direction:Moderate Breeze, NE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None	SH - Flying along woodland ride
04/05/2017	Breeding Raptor Survey		01:00 starting at 14:45	Wind Speed and Direction:Moderate Breeze, NE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None	
14/06/2017	Breeding Raptor Survey		03:00 starting at 08:45	Wind Speed and Direction:Light Breeze, S; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	
14/06/2017	Breeding Raptor Survey		03:00 starting at 12:15	Wind Speed and Direction:Light Breeze, S; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	
15/06/2017	Breeding Raptor Survey		02:30 starting at 09:30	Wind Speed and Direction:Moderate Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	
15/06/2017	Breeding Raptor Survey		02:00 starting at 13:00	Wind Speed and Direction:Moderate Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: Light Showers; Frost: None ; Snow: None	
17/07/2017	Breeding Raptor Survey		03:00 starting at 09:00	Wind Speed and Direction:Light Air, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0 Rain: None; Frost: None ; Snow: None	

Date	Survey Method	VP/ transect / area number	Survey Duration	Weather Conditions	Comments
17/07/2017	Breeding Raptor Survey		03:00 starting at 13:00	Wind Speed and Direction:Light Air, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0 Rain: None; Frost: None ; Snow: None	
18/07/2017	Breeding Raptor Survey		03:00 starting at 09:00	Wind Speed and Direction:Gentle Breeze, ESE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 10 Rain: None; Frost: None ; Snow: None	
18/07/2017	Breeding Raptor Survey		03:00 starting at 12:30	Wind Speed and Direction:Gentle Breeze, ESE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 25 Rain: None; Frost: None ; Snow: None	
09/08/2017	Wildfowl Distribution		05:55 starting at 09:15	Wind Speed and Direction:Light Breeze, N; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 0-33 Rain: None; Frost: None ; Snow: None	
10/08/2017	Wildfowl Distribution		06:00 starting at 09:00	Wind Speed and Direction:Light Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	
11/08/2017	Wildfowl Distribution		02:00 starting at 09:00	Wind Speed and Direction:Light Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: Light Showers; Frost: None ; Snow: None	
11/08/2017	Wildfowl Distribution		02:00 starting at 11:00	Wind Speed and Direction:Light Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	
11/08/2017	Wildfowl Distribution		01:30 starting at 13:00	Wind Speed and Direction:Light Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: Light Showers; Frost: None ; Snow: None	
23/08/2017	Wildfowl Distribution		02:00 starting at 09:15	Wind Speed and Direction:Light Breeze, S; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	
23/08/2017	Wildfowl Distribution		02:00 starting at 11:15	Wind Speed and Direction:Light Breeze, S; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: Light Showers; Frost: None ; Snow: None	
23/08/2017	Wildfowl Distribution		01:45 starting at 13:15	Wind Speed and Direction:Light Breeze, S; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	
24/08/2017	Wildfowl Distribution		05:15 starting at 09:15	Wind Speed and Direction:Light Breeze, S; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	

Date	Survey Method	VP/ transect / area number	Survey Duration	Weather Conditions	Comments
25/08/2017	Wildfowl Distribution		04:00 starting at 09:00	Wind Speed and Direction:Light Breeze, SW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 66-100 Rain: None; Frost: None ; Snow: None	
19/06/2017	Woodcock Survey	1	01:00 starting at 21:05	Wind Speed and Direction:Light Breeze, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 35 Rain: None; Frost: None ; Snow: None	
19/06/2017	Woodcock Survey	1	00:40 starting at 22:05	Wind Speed and Direction:Gentle Breeze, NW; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 20 Rain: None; Frost: None ; Snow: None	
20/06/2017	Woodcock Survey	2	01:00 starting at 21:05	Wind Speed and Direction:Light Air, NE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 50 Rain: None; Frost: None ; Snow: None	
20/06/2017	Woodcock Survey	2	00:40 starting at 22:05	Wind Speed and Direction:Light Air, NE; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 55 Rain: None; Frost: None ; Snow: None	
21/06/2017	Woodcock Survey	3	01:00 starting at 21:00	Wind Speed and Direction:Light Breeze, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 95 Rain: None; Frost: None ; Snow: None	
21/06/2017	Woodcock Survey	3	00:48 starting at 22:00	Wind Speed and Direction:Light Breeze, W; Visibility: Good (>2km); Cloud Height: >500m; Cloud Cover %: 100 Rain: None; Frost: None ; Snow: None	

Table 3 – Vantage Point Survey – Target Species Flights

Map Reference No.	Date	VP	Species Name	No. of Birds	Time of flight	Duration of flight (s)	Band 1 (0-10m)	Band 2 (10-25m)	Band 3 PCH (25-175m)	Band 4 (>175m)	Notes on habitat and activity	Comments
CG001	20/04/2017	1	Canada Goose	1	16:19:00	15					FW2, (Depositing/upland rivers) Travelling	
MS001	11/04/2017	2	Mute Swan	2	16:20:00	30					Travelling	
MS002	20/04/2017	1	Mute Swan	2	16:19:00	15					FW2, (Depositing/upland rivers) Travelling	
MS003	07/05/2017	4	Mute Swan	1	07:00:00	23			23		PB4, (Cutover bog) WD4, (Conifer plantation) Travelling	
MS004	07/05/2017	4	Mute Swan	1	07:39:00	51		51			PB4, (Cutover bog) WN7, (Bog woodland) Travelling	
MS005	07/05/2017	4	Mute Swan	2	10:00:00	202			202		PB4, (Cutover bog) Travelling	
MS006	09/05/2017	2	Mute Swan	2	08:54:00	88			88		FW2, (Depositing/upland rivers) Travelling	
MS007	18/09/2017	2	Mute Swan	6	18:28:00	57		57			FW2, (Depositing/upland rivers) travelling	adults
MS008	18/09/2017	2	Mute Swan	4	18:35:00	23		23			FW2, (Depositing/upland rivers) travelling	adults
MS009	18/09/2017	2	Mute Swan	3	19:04:00	5		5			FW2, (Depositing/upland rivers) travelling	adults
MS010	18/09/2017	2	Mute Swan	2	19:08:00	73		73			FW2, (Depositing/upland rivers) travelling	adults
MS011	19/09/2017	1	Mute Swan	2	16:24:00	107					FW2, (Depositing/upland rivers) travelling	adults, landed fw2
MA001	11/04/2017	2	Mallard	2	10:35:00	30		30			WD4, (Conifer plantation) Mixed broadleaved/conifer woodland On River travelling	
MA002	11/04/2017	2	Mallard	2	11:10:00	20					WD4, (Conifer plantation) Mixed broadleaved/conifer woodland Travelling	
MA003	11/04/2017	2	Mallard	2	11:20:00	40		20			WD4, (Conifer plantation) Mixed broadleaved/conifer woodland travelling	

Map Reference No.	Date	VP	Species Name	No. of Birds	Time of flight	Duration of flight (s)	Band 1 (0-10m)	Band 2 (10-25m)	Band 3 PCH (25-175m)	Band 4 (>175m)	Notes on habitat and activity	Comments
MA004	11/04/2017	2	Mallard	1	11:30:00	10		10			WD4, (Conifer plantation) Mixed broadleaved/conifer woodland Travelling	
MA005	11/04/2017	2	Mallard	3	11:40:00	50		50			WD4, (Conifer plantation) Mixed broadleaved/conifer woodland Travelling	
MA006	11/04/2017	2	Mallard	1	12:30:00	30	30				WD4, (Conifer plantation) Mixed broadleaved/conifer woodland Travelling	
MA007	11/04/2017	2	Mallard	1	15:00:00	20	20				on river	
MA008	11/04/2017	2	Mallard	1	15:05:00	40		40			WD4, (Conifer plantation) Mixed broadleaved/conifer woodland flushed by boat	
MA009	11/04/2017	2	Mallard	1	15:20:00	20	20				Feeding on river	
MA010	11/04/2017	6	Mallard	2	09:59:00	52	0	52	0	0	PB4, (Cutover bog) Travelling	
MA011	11/04/2017	11	Mallard	2	09:58:00	5	5				PB4, (Cutover bog) Flying along drain	
MA012	12/04/2017	10	Mallard	1	10:40:00	35		35			PB4, (Cutover bog) Travelling	
MA013	12/04/2017	10	Mallard	2	11:28:00	8		8			PB4, (Cutover bog) Travelling	
MA014	13/04/2017	8	Mallard	2	08:45:00	26	0	4	22	0	PB4, (Cutover bog) WS, (Scrub/transitional woodland) GA1, (Improved agricultural grassland) Travelling	
MA015	13/04/2017	8	Mallard	1	11:36:00	57	0	57	0	0	PB4, (Cutover bog) Travelling	
MA016	19/04/2017	1	Mallard	1	16:22:00	10	10				GA1, (Improved agricultural grassland) FW2, (Depositing/upland rivers) Travelling	
MA017	19/04/2017	1	Mallard	1	16:42:00	50			50		GA1, (Improved agricultural grassland) FW2, (Depositing/upland rivers) Travelling	

Map Reference No.	Date	VP	Species Name	No. of Birds	Time of flight	Duration of flight (s)	Band 1 (0-10m)	Band 2 (10-25m)	Band 3 PCH (25-175m)	Band 4 (>175m)	Notes on habitat and activity	Comments
MA018	19/04/2017	1	Mallard	1	16:51:00	65	15	50	50		GA1, (Improved agricultural grassland) FWZ, (Depositing/upland rivers) Travelling	
MA019	19/04/2017	1	Mallard	2	16:59:00	15		15			GA1, (Improved agricultural grassland) PB4, (Cutover bog) Travelling	
MA020	20/04/2017	1	Mallard	3	16:31:00	20		20			PB4, (Cutover bog) Travelling	
MA021	20/04/2017	1	Mallard	4	16:32:00	24	5	19			PB4, (Cutover bog) GA1, (Improved agricultural grassland) Travelling	
MA022	20/04/2017	1	Mallard	1	16:35:00	5	5				GA1, (Improved agricultural grassland) Travelling	
MA023	20/04/2017	1	Mallard	2	16:47:00	12	12				FWZ, (Depositing/upland rivers) GA1, (Improved agricultural grassland) Travelling	
MA024	20/04/2017	1	Mallard	1	16:48:00	21	3	18			GA1, (Improved agricultural grassland) PB4, (Cutover bog) Travelling	
MA025	20/04/2017	1	Mallard	1	16:52:00	10	10				FWZ, (Depositing/upland rivers) GA1, (Improved agricultural grassland) Travelling	
MA026	20/04/2017	1	Mallard	3	17:07:00	15	15				GA1, (Improved agricultural grassland) FWZ, (Depositing/upland rivers) Travelling	
MA027	20/04/2017	1	Mallard	1	17:32:00	3		3			PB4, (Cutover bog) GA1, (Improved agricultural grassland) Travelling	
MA028	20/04/2017	1	Mallard	1	17:37:00	3	3				FWZ, (Depositing/upland rivers) Travelling	

Map Reference No.	Date	VP	Species Name	No. of Birds	Time of flight	Duration of flight (s)	Band 1 (0-10m)	Band 2 (10-25m)	Band 3 PCH (25-175m)	Band 4 (>175m)	Notes on habitat and activity	Comments
MA029	20/04/2017	1	Mallard	1	17:44:00	26	6	20			FW2, (Depositing/upland rivers) GA1, (Improved agricultural grassland) PB4, (Cutover bog) Travelling	
MA030	20/04/2017	1	Mallard	2	17:55:00	45	5	40			PB4, (Cutover bog) (Mixed) broadleaved woodland GA1, (Improved agricultural grassland) Travelling	
MA031	20/04/2017	1	Mallard	1	18:09:00	15			15		PB4, (Cutover bog) (Mixed) broadleaved woodland Travelling	
MA032	20/04/2017	1	Mallard	1	19:06:00	18	18				PB4, (Cutover bog) GA1, (Improved agricultural grassland) Travelling	
MA033	20/04/2017	1	Mallard	1	19:23:00	7	7				GA1, (Improved agricultural grassland) FW2, (Depositing/upland rivers) Travelling	
MA034	20/04/2017	1	Mallard	1	19:26:00	5	5				FW2, (Depositing/upland rivers) Travelling	
MA035	20/04/2017	1	Mallard	2	19:43:00	25		25			PB4, (Cutover bog) GA1, (Improved agricultural grassland) FW2, (Depositing/upland rivers) Travelling	
MA036	20/04/2017	1	Mallard	1	19:43:00	25		25			PB4, (Cutover bog) GA1, (Improved agricultural grassland) FW2, (Depositing/upland rivers) Travelling	
MA037	20/04/2017	1	Mallard	3	19:48:00	26		26			FW2, (Depositing/upland rivers) Travelling	
MA038	20/04/2017	1	Mallard	1	19:51:00	30		30			PB4, (Cutover bog) GA1, (Improved agricultural grassland) FW2, (Depositing/upland rivers) Travelling	

Map Reference No.	Date	VP	Species Name	No. of Birds	Time of flight	Duration of flight (s)	Band 1 (0-10m)	Band 2 (10-25m)	Band 3 PCH (25-175m)	Band 4 (>175m)	Notes on habitat and activity	Comments
MA039	20/04/2017	1	Mallard	2	19:55:00	5	2	3			GA1, (Improved agricultural grassland) FWZ, (Depositing/upland rivers) Travelling	
MA040	20/04/2017	1	Mallard	1	20:37:00	6	6				GA1, (Improved agricultural grassland) FWZ, (Depositing/upland rivers) Travelling	
MA041	20/04/2017	1	Mallard	1	20:37:00	6	6				GA1, (Improved agricultural grassland) Travelling	
MA042	20/04/2017	1	Mallard	1	20:59:00	3	3				GA1, (Improved agricultural grassland) FWZ, (Depositing/upland rivers) Travelling	
MA043	20/04/2017	1	Mallard	3	21:12:00	25		25			GA1, (Improved agricultural grassland) Travelling	
MA044	20/04/2017	1	Mallard	2	21:20:00	10	10				GA1, (Improved agricultural grassland) FWZ, (Depositing/upland rivers) Travelling	
MA045	24/04/2017	3	Mallard	6	16:00:00	17		17			PB4, (Cutover bog) WN7, (Bog woodland) GA1, (Improved agricultural grassland) Travelling	
MA046	24/04/2017	3	Mallard	1	17:41:00	15	15				PB4, (Cutover bog) Travelling	
MA047	27/04/2017	4	Mallard	1	19:41:00	52		40			PB4, (Cutover bog) WN7, (Bog woodland) Travelling	
MA048	27/04/2017	4	Mallard	4	20:39:00	306		60	246		WN7, (Bog woodland) WD4, (Conifer plantation) PB4, (Cutover bog) Travelling	3 males chasing and trying to mount a female
MA049	28/04/2017	5	Mallard	1	20:12:00	52	0	52	0		PB4, (Cutover bog) WS, (Scrub/transitional woodland) Travelling	
MA050	06/05/2017	3	Mallard	2	05:52:00	20		20			PB4, (Cutover bog) WN7, (Bog woodland) Travelling	

Map Reference No.	Date	VP	Species Name	No. of Birds	Time of flight	Duration of flight (s)	Band 1 (0-10m)	Band 2 (10-25m)	Band 3 PCH (25-175m)	Band 4 (>175m)	Notes on habitat and activity	Comments
MA051	06/05/2017	3	Mallard	3	07:36:00	25		25			PB4, (Cutover bog woodland) Travelling	WN7, (Bog woodland) Travelling
MA052	07/05/2017	4	Mallard	1	06:01:00	50			50		PB4, (Cutover bog woodland) GA1, (Improved agricultural grassland) Travelling	WN7, (Bog woodland) Travelling
MA053	08/05/2017	5	Mallard	1	08:20:00	23		23			PB4, (Cutover bog woodland) Travelling	WN7, (Bog woodland) Travelling
MA054	08/05/2017	5	Mallard	1	09:19:00	17		17			PB4, (Cutover bog woodland) Travelling	WN7, (Bog woodland) Travelling
MA055	09/05/2017	2	Mallard	2	05:11:00	14		14			FW2, (Depositing/upland rivers) Travelling	
MA056	09/05/2017	2	Mallard	2	06:29:00	25		25			FW2, (Depositing/upland rivers) Travelling	
MA057	09/05/2017	2	Mallard	2	07:00:00	5	5				FW2, (Depositing/upland rivers) Travelling	
MA058	10/05/2017	6	Mallard	2	08:11:00	10	10				PB4, (Cutover bog) broadleaved woodland Travelling	(Mixed) Travelling
MA059	12/05/2017	1	Mallard	3	05:08:00	10	10				GS4, (Wet grassland) (Depositing/upland rivers) Travelling	FW2, Travelling
MA060	12/05/2017	1	Mallard	2	05:40:00	20	2	18			GS4, (Wet grassland) (Depositing/upland rivers) Travelling	FW2, Travelling
MA061	12/05/2017	1	Mallard	6	06:14:00	34			34		GS4, (Wet grassland) (Depositing/upland rivers) Travelling	FW2, Travelling
MA062	12/05/2017	1	Mallard	3	06:26:00	20			20		FW2, (Depositing/upland rivers) Travelling	FW2, Travelling
MA063	12/05/2017	1	Mallard	2	06:29:00	35			35		FW2, (Depositing/upland rivers) GS4, (Wet grassland) broadleaved woodland Travelling	FW2, Travelling
MA064	12/05/2017	1	Mallard	5	06:39:00	23			23		GS4, (Wet grassland) (Depositing/upland rivers) Travelling	FW2, Travelling

Map Reference No.	Date	VP	Species Name	No. of Birds	Time of flight	Duration of flight (s)	Band 1 (0-10m)	Band 2 (10-25m)	Band 3 PCH (25-175m)	Band 4 (>175m)	Notes on habitat and activity	Comments
MA065	12/05/2017	1	Mallard	2	07:10:00	15					GS4, (Wet grassland) FW2, (Depositing/upland rivers) Travelling	
MA066	12/05/2017	1	Mallard	3	08:59:00	64			64		GS4, (Wet grassland) FW2, (Depositing/upland rivers) Travelling	
MA067	12/05/2017	1	Mallard	2	09:11:00	17			17		GS4, (Wet grassland) FW2, (Depositing/upland rivers) (Mixed) broadleaved woodland Travelling	
MA068	12/05/2017	1	Mallard	1	09:30:00	25		5	20		GS4, (Wet grassland) (Mixed) broadleaved woodland Travelling	
MA069	12/05/2017	1	Mallard	1	09:45:00	44			44		FW2, (Depositing/upland rivers) GS4, (Wet grassland) (Mixed) broadleaved woodland Travelling	
MA070	12/05/2017	1	Mallard	3	10:01:00	44	20	24			(Mixed) broadleaved woodland GS4, (Wet grassland) FW2, (Depositing/upland rivers) Travelling, 2 males chasing/sexually harrassing a female	
MA071	24/05/2017	8	Mallard	2	10:10:00	39	5	34			PB4, (Cutover bog) WN7, (Bog woodland) Travelling	
MA072	24/05/2017	10	Mallard	2	04:38:00	34	0	34	0	0	PB4, (Cutover bog) Travelling	
MA073	25/05/2017	7	Mallard	2	05:45:00	29	29				PB4, (Cutover bog) GA1, (Improved agricultural grassland) Travelling	
MA074	25/05/2017	7	Mallard	2	06:36:00	10	10				PB4, (Cutover bog) Travelling	
MA075	15/06/2017	6	Mallard	1	09:35:00	5			5		PB4, (Cutover bog) Travelling, Landed in Channel	
MA076	15/06/2017	6	Mallard	1	10:31:00	23		23			PB4, (Cutover bog) WN7, (Bog woodland) Travelling	
MA077	16/06/2017	5	Mallard	1	09:13:00	12	12				PB4, (Cutover bog) Travelling, Landed in Channel	

Map Reference No.	Date	VP	Species Name	No. of Birds	Time of flight	Duration of flight (s)	Band 1 (0-10m)	Band 2 (10-25m)	Band 3 PCH (25-175m)	Band 4 (>175m)	Notes on habitat and activity	Comments
MA078	16/06/2017	5	Mallard	2	11:52:00	68	18	50			WN7, (Bog woodland) PB4, (Cutover bog) Travelling	Male and Female
MA079	22/06/2017	10	Mallard	1	14:40:00	20	20				PB4, (Cutover bog) Landed on bog	
MA080	22/06/2017	10	Mallard	1	14:46:00	15	15				PB4, (Cutover bog) Landed on bog	
MA081	22/06/2017	10	Mallard	1	14:55:00	50	50				PB4, (Cutover bog) Landed on bog	
MA082	05/07/2017	9	Mallard	2	09:17:00	85			85		PB4, (Cutover bog) WN7, (Bog woodland) Travelling	
MA083	11/07/2017	4	Mallard	1	13:00:00	34	34				PB4, (Cutover bog) WN7, (Bog woodland) Travelling	
MA084	14/07/2017	1	Mallard	1	11:09:00	34	34				GA1, (Improved agricultural grassland) (Mixed) broadleaved woodland Travelling	Adult female
MA085	14/07/2017	1	Mallard	4	15:02:00	14	14				GS4, (Wet grassland) FW2, (Depositing/upland rivers) Travelling	
MA086	02/08/2017	11	Mallard	3	09:58:00	48					PB4, (Cutover bog) Travelling	2 males, 1 female, landed PB4 channel
MA087	03/08/2017	10	Mallard	1	05:15:00	15	15				PB4, (Cutover bog) Travelling	
MA088	03/08/2017	10	Mallard	5	07:32:00	103		103			PB4, (Cutover bog) WN7, (Bog woodland) Travelling	
MA089	03/08/2017	10	Mallard	3	10:57:00	18		18			PB4, (Cutover bog) Mixed broadleaved/conifer woodland GA1, (Improved agricultural grassland) Travelling	
MA090	08/08/2017	6	Mallard	5	06:30:00	33		33				
MA091	08/08/2017	8	Mallard	5	06:30:00	33		33			GA1, (Improved agricultural grassland) Travelling	
MA092	10/08/2017	1	Mallard	3	05:48:00	39		39			FW2, (Depositing/upland rivers) Travelling	

Map Reference No.	Date	VP	Species Name	No. of Birds	Time of flight	Duration of flight (s)	Band 1 (0-10m)	Band 2 (10-25m)	Band 3 PCH (25-175m)	Band 4 (>175m)	Notes on habitat and activity	Comments
MA093	10/08/2017	1	Mallard	2	08:57:00	30					GS4, (Wet grassland) Travelling	
MA094	10/08/2017	1	Mallard	1	10:08	23	23				FW2, (Depositing/upland rivers) GA1, (Improved agricultural grassland) GS4, (Wet grassland) Travelling	
MA095	11/08/2017	2	Mallard	1	06:30:00	18	18				FW2, (Depositing/upland rivers) Travelling	female
MA096	11/08/2017	2	Mallard	1	06:53:00	18	18				FW2, (Depositing/upland rivers) Travelling	calling female
MA097	11/09/2017	7	Mallard	1	15:37:00	22	22				PB4, (Cutover bog) Travelling	Female
MA098	11/09/2017	7	Mallard	1	20:49:00	5	5				PB4, (Cutover bog) Travelling	
MA099	12/09/2017	6	Mallard	1	20:37:00	10	10				PB4, (Cutover bog) Travelling, Calling	
MA100	13/09/2017	5	Mallard	2	20:42:00	15	15				PB4, (Cutover bog) Travelling, Calling	
MA101	15/09/2017	4	Mallard	4	17:53:00	9	9				PB4, (Cutover bog) Travelling	males
MA102	18/09/2017	2	Mallard	3	18:02:00	15	10	5			FW2, (Depositing/upland rivers) travelling	landed fw2
MA103	18/09/2017	2	Mallard	1	20:20:00	5		5			GS4, (Wet grassland) travelling	heard only
MA104	19/09/2017	1	Mallard	8	20:13:00	10	10				GS4, (Wet grassland) travelling	
MA105	19/09/2017	1	Mallard	7	20:17:00	8	8				GS4, (Wet grassland) travelling	heard only
MA106	19/09/2017	1	Mallard	3	20:20:00	15	15				GS4, (Wet grassland) travelling	heard only
ET001	11/04/2017	2	Little Egret	1	11:45:00	65					WD4, (Conifer plantation) Mixed broadleaved/conifer woodland Travelling	
ET002	19/04/2017	1	Little Egret	1	16:34:00	76			76		GA1, (Improved agricultural grassland) PB4, (Cutover bog) Travelling	
ET003	20/04/2017	1	Little Egret	1	17:38:00	10	10				WD4, (Conifer plantation) GA1, (Improved agricultural grassland) Travelling	
ET004	20/04/2017	1	Little Egret	1	19:13:00	20	20				FW2, (Depositing/upland rivers) Travelling	

Map Reference No.	Date	VP	Species Name	No. of Birds	Time of flight	Duration of flight (s)	Band 1 (0-10m)	Band 2 (10-25m)	Band 3 PCH (25-175m)	Band 4 (>175m)	Notes on habitat and activity	Comments
ET005	27/04/2017	4	Little Egret	1	16:44:00	51					WD4, (Conifer plantation) (Bog woodland) Travelling	WN7, (Bog woodland) Travelling
ET006	06/05/2017	3	Little Egret	1	06:36:00	95					PB4, (Cutover bog) (Depositing/upland rivers) Travelling	FW2, (Depositing/upland rivers) Travelling
ET007	06/05/2017	3	Little Egret	1	06:42:00	65					FW2, (Depositing/upland rivers) GA1, (Improved agricultural grassland) Travelling	
ET008	06/05/2017	3	Little Egret	1	10:55:00	130	35				PB4, (Cutover bog) (Bog woodland) Travelling	WN7, (Bog woodland) Travelling
ET009	07/05/2017	4	Little Egret	1	10:13:00	57			57		WD4, (Conifer plantation) (Depositing/upland rivers) Travelling	FW2, (Depositing/upland rivers) Travelling
ET010	07/05/2017	4	Little Egret	1	10:21:00	20	20				WD4, (Conifer plantation) (Depositing/upland rivers) Travelling	FW2, (Depositing/upland rivers) Travelling
ET011	09/05/2017	2	Little Egret	1	09:56:00	48		48			FW2, (Depositing/upland rivers) Travelling	
ET012	12/05/2017	1	Little Egret	1	10:18:00	33		33			FW2, (Depositing/upland rivers) Travelling	
ET013	17/06/2017	4	Little Egret	1	10:46:00	24	24				PB4, (Cutover bog) Landed in Channel	Travelling, Landed in Channel
ET014	17/06/2017	4	Little Egret	1	11:38:00	15		15			PB4, (Cutover bog) (Bog woodland) Travelling, Landed in Channel	
ET015	17/06/2017	4	Little Egret	1	13:08:00	48		48			WN7, (Bog woodland) (Cutover bog) Travelling	PB4, (Bog woodland) Travelling
ET016	17/06/2017	4	Little Egret	1	14:25:00	42		42			PB4, (Cutover bog) (Bog woodland) Travelling	WN7, (Bog woodland) Travelling
ET017	17/06/2017	4	Little Egret	1	14:40:00	2		2			PB4, (Cutover bog) (Bog woodland) Travelling	WN7, (Bog woodland) Travelling
ET018	17/06/2017	4	Little Egret	1	15:26:00	2		2			PB4, (Cutover bog) Channel, Short Flight	Feeding in Channel, Short Flight

Map Reference No.	Date	VP	Species Name	No. of Birds	Time of flight	Duration of flight (s)	Band 1 (0-10m)	Band 2 (10-25m)	Band 3 PCH (25-175m)	Band 4 (>175m)	Notes on habitat and activity	Comments
ET019	19/06/2017	3	Little Egret	1	10:57:00	16					FW2, (Depositing/upland rivers) Travelling	
ET020	20/06/2017	1	Little Egret	1	15:20:00	95		95			FW2, (Depositing/upland rivers) GS4, (Wet grassland) Travelling	
ET021	21/06/2017	2	Little Egret	1	12:39:00	46					FW2, (Depositing/upland rivers) Travelling	
ET022	21/06/2017	2	Little Egret	1	13:08:00	107		107			FW2, (Depositing/upland rivers) Travelling	
ET023	18/09/2017	2	Little Egret	1	20:11:00	59		59			FW2, (Depositing/upland rivers) travelling	
H001	20/04/2017	1	Grey Heron	1	18:53:00	93		93			PB4, (Cutover bog) GA1, (Improved agricultural grassland) Travelling	
H002	20/04/2017	1	Grey Heron	1	19:11:00	25					FW2, (Depositing/upland rivers) Travelling	
H003	24/04/2017	3	Grey Heron	1	16:19:00	177		150		27	GA1, (Improved agricultural grassland) (Mixed) broadleaved woodland PB4, (Cutover bog) Travelling	
H004	24/04/2017	3	Grey Heron	3	16:40:00	162		100			GA1, (Improved agricultural grassland) (Mixed) broadleaved woodland Travelling	
H005	27/04/2017	4	Grey Heron	2	17:08:00	44		44			WD4, (Conifer plantation) WN7, (Bog woodland) PB4, (Cutover bog) Travelling	
H006	27/04/2017	4	Grey Heron	1	17:15:00	35		35			WN7, (Bog woodland) WD4, (Conifer plantation) Travelling	
H007	06/05/2017	3	Grey Heron	1	07:04:00	125		125			PB4, (Cutover bog) WN7, (Bog woodland) Travelling	
H008	08/05/2017	5	Grey Heron	1	06:19:00	60		60			PB4, (Cutover bog) WN7, (Bog woodland) Travelling	
H009	08/05/2017	5	Grey Heron	1	06:31:00	150		150			PB4, (Cutover bog) WN7, (Bog woodland) Travelling	

Map Reference No.	Date	VP	Species Name	No. of Birds	Time of flight	Duration of flight (s)	Band 1 (0-10m)	Band 2 (10-25m)	Band 3 PCH (25-175m)	Band 4 (>175m)	Notes on habitat and activity	Comments
H010	08/05/2017	5	Grey Heron	1	07:05:00	82		62			PB4, (Cutover bog woodland) Travelling	WN7, (Bog woodland) Travelling
H011	08/05/2017	5	Grey Heron	1	07:20:00	103			103		PB4, (Cutover bog woodland) Travelling	WN7, (Bog woodland) Travelling
H012	09/05/2017	2	Grey Heron	1	05:57:00	37	10	27			FW2, (Depositing/upland rivers) Travelling	
H013	09/05/2017	2	Grey Heron	1	06:39:00	40		40			FW2, (Depositing/upland rivers) Travelling	
H014	09/05/2017	2	Grey Heron	1	06:46:00	5	5				FW2, (Depositing/upland rivers) Travelling	
H015	09/05/2017	2	Grey Heron	1	09:33:00	25		25			FW2, (Depositing/upland rivers) Travelling	
H016	09/05/2017	2	Grey Heron	1	09:45:00	20	20				FW2, (Depositing/upland rivers) Travelling	
H017	09/05/2017	2	Grey Heron	1	09:45:00	67	67				FW2, (Depositing/upland rivers) Travelling	
H018	09/05/2017	2	Grey Heron	1	10:03:00	10	10				FW2, (Depositing/upland rivers) Travelling	
H019	09/05/2017	2	Grey Heron	1	10:03:00	5	5				FW2, (Depositing/upland rivers) Travelling	
H020	09/05/2017	2	Grey Heron	1	10:58	5	5				FW2, (Depositing/upland rivers) Travelling	
H021	12/05/2017	1	Grey Heron	1	10:05:00	5	5				FS1, (Reed and large sedge swamps) Travelling	
H022	12/05/2017	1	Grey Heron	2	10:15:00	22	22				FS1, (Reed and large sedge swamps) Travelling, one bird chasing another	
H023	24/05/2017	8	Grey Heron	1	07:12:00	17	17				PB4, (Cutover bog woodland) Travelling	WN7, (Bog woodland) Travelling
H024	24/05/2017	8	Grey Heron	1	08:24:00	85		85			PB4, (Cutover bog woodland) Travelling	WN7, (Bog woodland) Travelling
H025	15/06/2017	6	Grey Heron	1	10:45:00	39	39				PB4, (Cutover bog woodland) Travelling	WN7, (Bog woodland) Travelling

Map Reference No.	Date	VP	Species Name	No. of Birds	Time of flight	Duration of flight (s)	Band 1 (0-10m)	Band 2 (10-25m)	Band 3 PCH (25-175m)	Band 4 (>175m)	Notes on habitat and activity	Comments
H026	15/06/2017	6	Grey Heron	1	11:15:00	18					PB4, (Cutover bog woodland) Travelling	WN7, (Bog woodland) Travelling
H027	15/06/2017	6	Grey Heron	1	14:14:00	5					PB4, (Cutover bog) Landed in Channel	Travelling, Landed in Channel
H028	16/06/2017	5	Grey Heron	1	12:48:00	34					PB4, (Cutover bog woodland) Travelling, Landed in Channel	WN7, (Bog woodland) Travelling, Landed in Channel
H029	16/06/2017	5	Grey Heron	1	14:24:00	57		57			WN7, (Bog woodland) Travelling	PB4, (Cutover bog) Travelling
H030	16/06/2017	5	Grey Heron	1	15:01:00	3					PB1, (Raised bog) Travelling	Travelling
H031	21/06/2017	2	Grey Heron	1	09:25:00	90		90			(Mixed) broadleaved woodland GA1, (Improved agricultural grassland) Travelling	
H032	21/06/2017	2	Grey Heron	1	10:27:00	65		65			FW2, (Depositing/upland rivers) (Mixed) broadleaved woodland Travelling	
H033	21/06/2017	2	Grey Heron	1	14:25:00	31					FW2, (Depositing/upland rivers) Travelling	
H034	22/06/2017	10	Grey Heron	2	14:05:00	40		30			PB4, (Cutover bog) Mixed broadleaved/conifer woodland Feeding in wet area	
H035	23/06/2017	9	Grey Heron	1	07:20:00	105			105		PB4, (Cutover bog) Mixed broadleaved/conifer woodland GA1, (Improved agricultural grassland) Travelling	
H036	04/07/2017	10	Grey Heron	1	13:47:00	40		40			PB4, (Cutover bog) Travelling	WN7, (Bog woodland) Travelling
H037	11/07/2017	4	Grey Heron	1	13:15:00	5					PB4, (Cutover bog) Travelling	Travelling
H038	11/07/2017	4	Grey Heron	1	15:15:00	44		44			PB4, (Cutover bog) Travelling	WN7, (Bog woodland) Travelling
H039	12/07/2017	8	Grey Heron	1	09:53:00	205		145			PB4, (Cutover bog) Circling, Travelling, landed in channel	
H040	12/07/2017	8	Grey Heron	1	13:06:00	20					(Mixed) broadleaved woodland Travelling	

Map Reference No.	Date	VP	Species Name	No. of Birds	Time of flight	Duration of flight (s)	Band 1 (0-10m)	Band 2 (10-25m)	Band 3 PCH (25-175m)	Band 4 (>175m)	Notes on habitat and activity	Comments
H041	12/07/2017	8	Grey Heron	1	13:36:00	351	30	20	301		PB4, (Cutover bog) (Mixed) broadleaved woodland circling Travelling,	
H042	13/07/2017	7	Grey Heron	1	11:14:00	94	94				PB4, (Cutover bog) landed in channel Travelling,	
H043	14/07/2017	1	Grey Heron	2	12:32:00	15	15				GS4, (Wet grassland) Landed in GS4	both juveniles
H044	14/07/2017	1	Grey Heron	1	12:41:00	15		15			GS4, (Wet grassland) Travelling	
H045	14/07/2017	1	Grey Heron	1	12:50:00	8	8				GS4, (Wet grassland) Travelling	
H046	15/07/2017	2	Grey Heron	1	10:37:00	30	30				FW2, (Depositing/upland rivers) Travelling	
H047	15/07/2017	2	Grey Heron	1	11:14:00	13	13				FW2, (Depositing/upland rivers) Travelling	
H048	15/07/2017	2	Grey Heron	1	11:34:00	20	20				FW2, (Depositing/upland rivers) Travelling	
H049	17/07/2017	5	Grey Heron	1	10:26:00	40	40				PB4, (Cutover bog) Travelling	
H050	06/08/2017	4	Grey Heron	1	08:35:00	81		81			PB4, (Cutover bog) WN7, (Bog woodland) GA1, (Improved agricultural grassland) Travelling	
H051	07/08/2017	7	Grey Heron	1	10:29:00	19	19				PB4, (Cutover bog) Travelling	Landed PB4
H052	10/08/2017	1	Grey Heron	1	05:48:00	47	47				GA1, (Improved agricultural grassland) WD4, (Conifer plantation) Calling in flight	
H053	10/08/2017	1	Grey Heron	1	07:01:00	10	10				GS4, (Wet grassland) Calling Travelling,	
H054	11/08/2017	2	Grey Heron	1	5:48	5	5				FW2, (Depositing/upland rivers) Travelling, Calling	
H055	11/08/2017	2	Grey Heron	1	06:23:00	15	15				FW2, (Depositing/upland rivers) GS4, (Wet grassland) Travelling	
H056	11/08/2017	2	Grey Heron	1	06:28:00	12	12				FW2, (Depositing/upland rivers) Travelling	
H057	11/08/2017	2	Grey Heron	1	06:49:00	7	7				FW2, (Depositing/upland rivers) Travelling	

Map Reference No.	Date	VP	Species Name	No. of Birds	Time of flight	Duration of flight (s)	Band 1 (0-10m)	Band 2 (10-25m)	Band 3 PCH (25-175m)	Band 4 (>175m)	Notes on habitat and activity	Comments
H058	07/09/2017	9	Grey Heron	1	20:17:00	66					PB4, (Cutover bog) Travelling	Landed PB4, Juvenile
H059	14/09/2017	3	Grey Heron	1	19:55:00	5					PB4, (Cutover bog) travelling	juvenile, landed in channel
H060	14/09/2017	3	Grey Heron	1	20:25:00	30	30				PB4, (Cutover bog) calling	
H061	15/09/2017	4	Grey Heron	1	14:54:00	20	20				PB4, (Cutover bog) Travelling	adult
H062	18/09/2017	2	Grey Heron	1	14:44:00	10					FW2, (Depositing/upland rivers) travelling	
H063	18/09/2017	2	Grey Heron	1	15:17:00	17	17				FW2, (Depositing/upland rivers) travelling	
H064	18/09/2017	2	Grey Heron	1	19:17:00	7	7				GS4, (Wet grassland) GA1, (Improved agricultural grassland) travelling	
H065	18/09/2017	2	Grey Heron	1	20:16:00	28	28				FW2, (Depositing/upland rivers) travelling	
H066	19/09/2017	1	Grey Heron	1	15:51:00	26					FS1, (Reed and large sedge swamps) travelling	calling
CA001	11/04/2017	2	Cormorant	1	09:50:00	25	25				WD4, (Conifer plantation) Travelling	
CA002	11/04/2017	2	Cormorant	1	10:30:00	20	20				WD4, (Conifer plantation) Mixed broadleaved/conifer woodland Travelling	
CA003	11/04/2017	2	Cormorant	3	10:50:00	40	30				WD4, (Conifer plantation) Mixed broadleaved/conifer woodland travelling	
CA004	11/04/2017	2	Cormorant	1	11:10:00	20	20				WD4, (Conifer plantation) Mixed broadleaved/conifer woodland Travelling	
CA005	11/04/2017	2	Cormorant	1	11:25:00	25	15				WD4, (Conifer plantation) Mixed broadleaved/conifer woodland Disturbed by boat	

Map Reference No.	Date	VP	Species Name	No. of Birds	Time of flight	Duration of flight (s)	Band 1 (0-10m)	Band 2 (10-25m)	Band 3 PCH (25-175m)	Band 4 (>175m)	Notes on habitat and activity	Comments
CA006	11/04/2017	2	Cormorant	2	11:35:00	60		60			WD4, (Conifer plantation) Mixed broadleaved/conifer woodland Travelling	
CA007	11/04/2017	2	Cormorant	2	11:45:00	40		40			WD4, (Conifer plantation) Mixed broadleaved/conifer woodland Travelling	
CA008	11/04/2017	2	Cormorant	1	11:55:00	45		45			WD4, (Conifer plantation) Mixed broadleaved/conifer woodland Travelling	
CA009	11/04/2017	2	Cormorant	1	12:10:00	50		50			WD4, (Conifer plantation) Mixed broadleaved/conifer woodland Flew up off river	
CA010	11/04/2017	2	Cormorant	1	12:15:00	20	20				WD4, (Conifer plantation) Mixed broadleaved/conifer woodland Disturbed by boat	
CA011	11/04/2017	2	Cormorant	1	12:30:00	65			65		WD4, (Conifer plantation) Mixed broadleaved/conifer woodland Travelling	
CA012	11/04/2017	2	Cormorant	1	12:35:00	35			35		WD4, (Conifer plantation) Mixed broadleaved/conifer woodland Travelling	
CA013	11/04/2017	2	Cormorant	1	12:40:00	30	30				WD4, (Conifer plantation) Mixed broadleaved/conifer woodland Flew off river	
CA014	11/04/2017	2	Cormorant	1	13:35:00	30		30			WD4, (Conifer plantation) Mixed broadleaved/conifer woodland Travelling	
CA015	11/04/2017	2	Cormorant	1	13:50:00	20		20			WD4, (Conifer plantation) Mixed broadleaved/conifer woodland Travelling	
CA016	11/04/2017	2	Cormorant	1	13:55:00	10	10				WD4, (Conifer plantation) Mixed broadleaved/conifer woodland landed on river	

Map Reference No.	Date	VP	Species Name	No. of Birds	Time of flight	Duration of flight (s)	Band 1 (0-10m)	Band 2 (10-25m)	Band 3 PCH (25-175m)	Band 4 (>175m)	Notes on habitat and activity	Comments
CA017	11/04/2017	2	Cormorant	1	13:57:00	45		45			WD4, (Conifer plantation) Mixed broadleaved/conifer woodland Travelling	
CA018	11/04/2017	2	Cormorant	1	14:40:00	40		40			WD4, (Conifer plantation) Mixed broadleaved/conifer woodland Travelling	
CA019	11/04/2017	2	Cormorant	1	15:30:00	40		40			WD4, (Conifer plantation) Mixed broadleaved/conifer woodland Travelling	
CA020	11/04/2017	2	Cormorant	1	15:40:00	40		40	40		WD4, (Conifer plantation) Mixed broadleaved/conifer woodland Travelling	
CA021	11/04/2017	2	Cormorant	3	15:45:00	50		30	50		WD4, (Conifer plantation) Mixed broadleaved/conifer woodland Travelling	
CA022	11/04/2017	2	Cormorant	1	16:00:00	30		30			WD4, (Conifer plantation) Mixed broadleaved/conifer woodland Travelling	
CA023	11/04/2017	2	Cormorant	1	16:10:00	50			50		WD4, (Conifer plantation) Mixed broadleaved/conifer woodland Travelling	
CA024	19/04/2017	1	Cormorant	1	16:06:00	22		22			FW2, (Depositing/upland rivers) Travelling	
CA025	19/04/2017	1	Cormorant	2	16:13:00	30					WD4, (Conifer plantation) Travelling	
CA026	19/04/2017	1	Cormorant	3	16:31:00	25		25			GA1, (Improved agricultural grassland) PB4, (Cutover bog) Travelling	
CA027	20/04/2017	1	Cormorant	1	16:29:00	40			40		GA1, (Improved agricultural grassland) Travelling	
CA028	20/04/2017	1	Cormorant	3	16:45:00	7	7				FW2, (Depositing/upland rivers) Travelling	
CA029	20/04/2017	1	Cormorant	1	16:50:00	31	10	21			FW2, (Depositing/upland rivers) Travelling	

Map Reference No.	Date	VP	Species Name	No. of Birds	Time of flight	Duration of flight (s)	Band 1 (0-10m)	Band 2 (10-25m)	Band 3 PCH (25-175m)	Band 4 (>175m)	Notes on habitat and activity	Comments
CA030	20/04/2017	1	Cormorant	2	17:59:00	76			76		GA1, (Improved agricultural grassland) PB4, (Cutover bog) Travelling	
CA031	20/04/2017	1	Cormorant	1	18:04:00	10			10		WD4, (Conifer plantation) FW2, (Depositing/upland rivers) Travelling	
CA032	20/04/2017	1	Cormorant	1	19:18:00	55			55		GA1, (Improved agricultural grassland) Travelling	
CA033	20/04/2017	1	Cormorant	1	19:40:00	90			90		FW2, (Depositing/upland rivers) GA1, (Improved agricultural grassland) PB4, (Cutover bog) Travelling	
CA034	20/04/2017	1	Cormorant	3	20:03:00	21	4	17			GA1, (Improved agricultural grassland) Travelling	
CA035	20/04/2017	1	Cormorant	1	20:21:00	10		10			WD4, (Conifer plantation) Travelling	
CA036	24/04/2017	3	Cormorant	1	16:33:00	160			160		FW2, (Depositing/upland rivers) PB4, (Cutover bog) (Mixed) broadleaved woodland Travelling	
CA037	27/04/2017	4	Cormorant	2	15:42:00	84		20	64		WN7, (Bog woodland) Travelling	
CA038	27/04/2017	4	Cormorant	1	16:17:00	65			65		PB4, (Cutover bog) WN7, (Bog woodland) Travelling	
CA039	27/04/2017	4	Cormorant	1	16:35:00	81			81		WN7, (Bog woodland) WD4, (Conifer plantation) PB4, (Cutover bog) Travelling	
CA040	27/04/2017	4	Cormorant	1	17:39:00	80			80		PB4, (Cutover bog) Travelling	
CA041	27/04/2017	4	Cormorant	1	17:56:00	72			72		PB4, (Cutover bog) Travelling	
CA042	27/04/2017	4	Cormorant	1	19:09:00	25			25		PB4, (Cutover bog) Travelling	
CA043	27/04/2017	4	Cormorant	1	19:48:00	88			88		PB4, (Cutover bog) WN7, (Bog woodland) Travelling	
CA044	27/04/2017	4	Cormorant	1	20:32:00	78				78	WN7, (Bog woodland) WD4, (Conifer plantation) Travelling	

Map Reference No.	Date	VP	Species Name	No. of Birds	Time of flight	Duration of flight (s)	Band 1 (0-10m)	Band 2 (10-25m)	Band 3 PCH (25-175m)	Band 4 (>175m)	Notes on habitat and activity	Comments
CA045	06/05/2017	3	Cormorant	2	05:31:00	60			60		WN7, (Bog woodland) FW2, (Depositing/upland rivers) GA1, (Improved agricultural grassland) Travelling	
CA046	06/05/2017	3	Cormorant	1	06:28:00	42			42		FW2, (Depositing/upland rivers) Travelling	
CA047	06/05/2017	3	Cormorant	2	06:32:00	35	35				PB4, (Cutover bog) FW2, (Depositing/upland rivers) Travelling	
CA048	06/05/2017	3	Cormorant	1	06:36:00	40			40		PB4, (Cutover bog) FW2, (Depositing/upland rivers) Travelling	
CA049	06/05/2017	3	Cormorant	1	06:36:00	70			70		PB4, (Cutover bog) FW2, (Depositing/upland rivers) Travelling	
CA050	06/05/2017	3	Cormorant	1	06:45:00	35			35		FW2, (Depositing/upland rivers) Travelling	
CA051	06/05/2017	3	Cormorant	1	07:00:00	40			40		FW2, (Depositing/upland rivers) Travelling	
CA052	06/05/2017	3	Cormorant	1	07:23:00	30	30				FW2, (Depositing/upland rivers) Travelling	
CA053	06/05/2017	3	Cormorant	1	07:38:00	10			10		Travelling	
CA054	06/05/2017	3	Cormorant	1	08:16:00	15	15				FW2, (Depositing/upland rivers) Travelling	
CA055	06/05/2017	3	Cormorant	1	08:18:00	70			70		FW2, (Depositing/upland rivers) Travelling	
CA056	06/05/2017	3	Cormorant	1	08:31:00	5			5		FW2, (Depositing/upland rivers) Travelling	
CA057	06/05/2017	3	Cormorant	1	08:37:00	35			35		FW2, (Depositing/upland rivers) Travelling	
CA058	06/05/2017	3	Cormorant	1	08:47:00	20			20		FW2, (Depositing/upland rivers) Travelling	
CA059	06/05/2017	3	Cormorant	3	09:25:00	65			65		FW2, (Depositing/upland rivers) Travelling	

Map Reference No.	Date	VP	Species Name	No. of Birds	Time of flight	Duration of flight (s)	Band 1 (0-10m)	Band 2 (10-25m)	Band 3 PCH (25-175m)	Band 4 (>175m)	Notes on habitat and activity	Comments
CA060	06/05/2017	3	Cormorant	1	09:50:00	65			55		PB4, (Cutover bog woodland) Travelling	WN7, (Bog woodland) Travelling
CA061	06/05/2017	3	Cormorant	1	09:54:00	60			60		FW2, (Depositing/upland rivers) Travelling	
CA062	06/05/2017	3	Cormorant	2	09:58:00	10			10		FW2, (Depositing/upland rivers) Travelling	
CA063	06/05/2017	3	Cormorant	2	10:32:00	130				130	FW2, (Depositing/upland rivers) WN7, (Bog woodland) Travelling	
CA064	06/05/2017	3	Cormorant	1	10:37:00	75			75		WN7, (Bog woodland) (Depositing/upland rivers) Travelling	
CA065	06/05/2017	3	Cormorant	1	10:55:00	5			5		PB4, (Cutover bog woodland) Travelling	WN7, (Bog woodland) Travelling
CA066	06/05/2017	3	Cormorant	1	11:02:00	25			25		WN7, (Bog woodland) Travelling	
CA067	06/05/2017	3	Cormorant	2	11:05:00	5			5		Travelling	
CA068	07/05/2017	4	Cormorant	3	05:59:00	22		22			WD4, (Conifer plantation) Travelling	
CA069	07/05/2017	4	Cormorant	2	06:04:00	108			108		WD4, (Conifer plantation) (Depositing/upland rivers) Travelling	FW2, (Depositing/upland rivers) Travelling
CA070	07/05/2017	4	Cormorant	1	06:21:00	56			56		WD4, (Conifer plantation) (Cutover bog) Travelling	PB4, (Cutover bog) Travelling
CA071	07/05/2017	4	Cormorant	1	06:43:00	28		28			FW2, (Depositing/upland rivers) WD4, (Conifer plantation) Travelling	
CA072	07/05/2017	4	Cormorant	1	06:56:00	107			107		PB4, (Cutover bog) Travelling	
CA073	07/05/2017	4	Cormorant	3	07:08:00	22			22		PB4, (Cutover bog) (Conifer plantation) Travelling	WD4, (Conifer plantation) Travelling
CA074	07/05/2017	4	Cormorant	1	07:25:00	48			48		PB4, (Cutover bog) (Bog woodland) Travelling	WN7, (Bog woodland) Travelling
CA075	07/05/2017	4	Cormorant	1	07:30:00	20			20		WD4, (Conifer plantation) (Cutover bog) Travelling	PB4, (Cutover bog) Travelling
CA076	07/05/2017	4	Cormorant	1	08:16:00	94			94		PB4, (Cutover bog) (Bog woodland) Travelling	WN7, (Bog woodland) Travelling

Map Reference No.	Date	VP	Species Name	No. of Birds	Time of flight	Duration of flight (s)	Band 1 (0-10m)	Band 2 (10-25m)	Band 3 PCH (25-175m)	Band 4 (>175m)	Notes on habitat and activity	Comments
CA077	07/05/2017	4	Cormorant	1	08:31:00	60			60		WD4, (Conifer plantation) Travelling	
CA078	07/05/2017	4	Cormorant	1	08:45:00	36	36				PB4, (Cutover bog) Travelling WN7, (Bog woodland)	
CA079	07/05/2017	4	Cormorant	1	09:15:00	36	36				WD4, (Conifer plantation) Travelling (Cutover bog)	PB4, Travelling
CA080	07/05/2017	4	Cormorant	5	09:27:00	98			98		WD4, (Conifer plantation) Travelling (Depositing/upland rivers)	FW2, Travelling
CA081	07/05/2017	4	Cormorant	1	09:33:00	74			74		WD4, (Conifer plantation) Travelling (Depositing/upland rivers)	FW2, Travelling
CA082	07/05/2017	4	Cormorant	1	09:36:00	56			56		WD4, (Conifer plantation) Travelling (Depositing/upland rivers)	FW2, Travelling
CA083	07/05/2017	4	Cormorant	1	10:04:00	39			39		WD4, (Conifer plantation) Travelling (Depositing/upland rivers)	FW2, Travelling
CA084	07/05/2017	4	Cormorant	2	10:09:00	102			102		WD4, (Conifer plantation) Travelling (Depositing/upland rivers)	FW2, Travelling
CA085	07/05/2017	4	Cormorant	1	10:16:00	58			58		WD4, (Conifer plantation) Travelling (Depositing/upland rivers)	FW2, Travelling
CA086	07/05/2017	4	Cormorant	1	10:28:00	92			92		PB4, (Cutover bog) Travelling WD4, (Conifer plantation)	WD4, (Conifer plantation) Travelling
CA087	08/05/2017	5	Cormorant	3	05:27:00	223			223		PB4, (Cutover bog) Travelling WN7, (Bog woodland)	PB4, (Cutover bog) Travelling
CA088	08/05/2017	5	Cormorant	1	06:53:00	100			100		PB4, (Cutover bog) Travelling WN7, (Bog woodland)	PB4, (Cutover bog) Travelling
CA089	08/05/2017	5	Cormorant	1	07:28:00	57				57	PB4, (Cutover bog) Travelling WN7, (Bog woodland)	PB4, (Cutover bog) Travelling
CA090	09/05/2017	2	Cormorant	5	05:16:00	84		84			FW2, (Depositing/upland rivers) Travelling	FW2, (Depositing/upland rivers) Travelling

Map Reference No.	Date	VP	Species Name	No. of Birds	Time of flight	Duration of flight (s)	Band 1 (0-10m)	Band 2 (10-25m)	Band 3 PCH (25-175m)	Band 4 (>175m)	Notes on habitat and activity	Comments
CA091	09/05/2017	2	Cormorant	3	05:20:00	45	15	30			FW2, (Depositing/upland rivers) Travelling	
CA092	09/05/2017	2	Cormorant	3	05:29:00	40	20	20			FW2, (Depositing/upland rivers) Travelling	
CA093	09/05/2017	2	Cormorant	2	05:31:00	42	10	32			FW2, (Depositing/upland rivers) Travelling	
CA094	09/05/2017	2	Cormorant	4	05:40:00	120		120			FW2, (Depositing/upland rivers) Travelling	
CA095	09/05/2017	2	Cormorant	3	05:41:00	100		100			FW2, (Depositing/upland rivers) Travelling	
CA096	09/05/2017	2	Cormorant	2	5:42	46		46			FW2, (Depositing/upland rivers) Travelling	
CA097	09/05/2017	2	Cormorant	1	05:52:00	22		22			FW2, (Depositing/upland rivers) Travelling	
CA098	09/05/2017	2	Cormorant	1	05:59:00	56	5	51			FW2, (Depositing/upland rivers) Travelling	
CA099	09/05/2017	2	Cormorant	1	06:01:00	50		50			FW2, (Depositing/upland rivers) Travelling	
CA100	09/05/2017	2	Cormorant	3	06:03:00	28	28				FW2, (Depositing/upland rivers) Travelling	
CA101	09/05/2017	2	Cormorant	1	06:10:00	71		71			FW2, (Depositing/upland rivers) Travelling	
CA102	09/05/2017	2	Cormorant	1	06:10:00	30		30			FW2, (Depositing/upland rivers) Travelling	
CA103	09/05/2017	2	Cormorant	1	06:14:00	14		14			FW2, (Depositing/upland rivers) Travelling	
CA104	09/05/2017	2	Cormorant	1	06:14:00	50		50			FW2, (Depositing/upland rivers) Travelling	
CA105	09/05/2017	2	Cormorant	1	06:39:00	20		20			FW2, (Depositing/upland rivers) Travelling	
CA106	09/05/2017	2	Cormorant	1	06:41:00	17		17			FW2, (Depositing/upland rivers) Travelling	
CA107	09/05/2017	2	Cormorant	1	06:46:00	31		31			FW2, (Depositing/upland rivers) Travelling	

Map Reference No.	Date	VP	Species Name	No. of Birds	Time of flight	Duration of flight (s)	Band 1 (0-10m)	Band 2 (10-25m)	Band 3 PCH (25-175m)	Band 4 (>175m)	Notes on habitat and activity	Comments
CA108	09/05/2017	2	Cormorant	1	06:52:00	30					FW2, (Depositing/upland rivers) Travelling	
CA109	09/05/2017	2	Cormorant	6	07:00:00	42					FW2, (Depositing/upland rivers) Travelling	
CA110	09/05/2017	2	Cormorant	1	07:10:00	45					FW2, (Depositing/upland rivers) Travelling	
CA111	09/05/2017	2	Cormorant	1	07:16:00	27					FW2, (Depositing/upland rivers) Travelling	
CA112	09/05/2017	2	Cormorant	1	09:04:00	22	2	10			FW2, (Depositing/upland rivers) Travelling	
CA113	09/05/2017	2	Cormorant	1	09:13:00	25		25			FW2, (Depositing/upland rivers) Travelling	
CA114	09/05/2017	2	Cormorant	1	09:29:00	30		30			FW2, (Depositing/upland rivers) Travelling	
CA115	09/05/2017	2	Cormorant	1	09:40:00	60		40	20		FW2, (Depositing/upland rivers) Travelling	
CA116	09/05/2017	2	Cormorant	2	09:52:00	67		67			FW2, (Depositing/upland rivers) Travelling	
CA117	09/05/2017	2	Cormorant	1	10:13:00	20		20			FW2, (Depositing/upland rivers) Travelling	
CA118	09/05/2017	2	Cormorant	1	10:30:00	5		5			FW2, (Depositing/upland rivers) Travelling	
CA119	09/05/2017	2	Cormorant	1	10:42:00	47		47			FW2, (Depositing/upland rivers) Travelling	
CA120	09/05/2017	2	Cormorant	1	10:52:00	35		35			FW2, (Depositing/upland rivers) Travelling	
CA121	09/05/2017	2	Cormorant	1	11:08:00	28	28				FW2, (Depositing/upland rivers) Travelling	
CA122	12/05/2017	1	Cormorant	4	05:51:00	15		15			FW2, (Depositing/upland rivers) Travelling	
CA123	12/05/2017	1	Cormorant	1	07:05:00	65			65		FW2, (Depositing/upland rivers) (Mixed) broadleaved woodland Travelling	

Map Reference No.	Date	VP	Species Name	No. of Birds	Time of flight	Duration of flight (s)	Band 1 (0-10m)	Band 2 (10-25m)	Band 3 PCH (25-175m)	Band 4 (>175m)	Notes on habitat and activity	Comments
CA124	12/05/2017	1	Cormorant	2	07:05:00	30			30		FW2, (Depositing/upland rivers) (Mixed) broadleaved woodland Travelling	
CA125	12/05/2017	1	Cormorant	1	08:42:00	80			80		FW2, (Depositing/upland rivers) Travelling	
CA126	12/05/2017	1	Cormorant	2	08:51:00	15			15		(Mixed) broadleaved woodland GA1, (Improved agricultural grassland) Travelling	
CA127	12/05/2017	1	Cormorant	1	10:29:00	74			74		FW2, (Depositing/upland rivers) Travelling	
CA128	12/05/2017	1	Cormorant	2	11:15:00	15			15		FW2, (Depositing/upland rivers) Travelling	
CA129	22/05/2017	11	Cormorant	1	07:10:00	105				105	PB4, (Cutover bog) WN7, (Bog woodland) Mixed broadleaved/conifer woodland Travelling	
CA130	22/05/2017	11	Cormorant	1	10:12:00	15			15		PB4, (Cutover bog) Mixed broadleaved/conifer woodland Travelling	
CA131	23/05/2017	9	Cormorant	1	05:20:00	61			61		(Mixed) broadleaved woodland PB4, (Cutover bog) Travelling	
CA132	24/05/2017	8	Cormorant	3	07:08:00	20			20		PB4, (Cutover bog) GA1, (Improved agricultural grassland) Travelling	
CA133	16/06/2017	5	Cormorant	1	09:32:00	106		106			PB4, (Cutover bog) PB1, (Raised bog) Travelling	
CA134	17/06/2017	4	Cormorant	1	09:24:00	25			25		WD4, (Conifer plantation) Travelling	
CA135	17/06/2017	4	Cormorant	1	09:27:00	53			53		WD4, (Conifer plantation) FW2, (Depositing/upland rivers) Travelling	
CA136	17/06/2017	4	Cormorant	1	09:40:00	50				50	WD4, (Conifer plantation) FW2, (Depositing/upland rivers) Travelling	

Map Reference No.	Date	VP	Species Name	No. of Birds	Time of flight	Duration of flight (s)	Band 1 (0-10m)	Band 2 (10-25m)	Band 3 PCH (25-175m)	Band 4 (>175m)	Notes on habitat and activity	Comments
CA137	17/06/2017	4	Cormorant	2	09:43:00	51				51	PB4, (Cutover bog) Travelling	
CA138	17/06/2017	4	Cormorant	2	10:23:00	5		5			WD4, (Conifer plantation) Travelling	
CA139	17/06/2017	4	Cormorant	1	11:11:00	31		31			WD4, (Conifer plantation) (Depositing/upland rivers) Travelling	
CA140	17/06/2017	4	Cormorant	2	13:36:00	146				146	WD4, (Conifer plantation) (Depositing/upland rivers) Travelling	
CA141	19/06/2017	3	Cormorant	1	10:02:00	115	115				GA1, (Improved agricultural grassland) FW2, (Depositing/upland rivers) Travelling	
CA142	19/06/2017	3	Cormorant	1	10:14:00	26	26				GA1, (Improved agricultural grassland) FW2, (Depositing/upland rivers) Travelling	
CA143	19/06/2017	3	Cormorant	1	12:41:00	64				64	FW2, (Depositing/upland rivers) Travelling	
CA144	19/06/2017	3	Cormorant	1	13:33:00	39		39			FW2, (Depositing/upland rivers) Travelling	
CA145	19/06/2017	3	Cormorant	1	14:24:00	3		3			FW2, (Depositing/upland rivers) Travelling	
CA146	19/06/2017	3	Cormorant	1	15:04:00	46		46			FW2, (Depositing/upland rivers) Travelling	
CA147	20/06/2017	1	Cormorant	1	13:27:00	81	81				FW2, (Depositing/upland rivers) Travelling	
CA148	20/06/2017	1	Cormorant	1	13:47:00	30		30			FW2, (Depositing/upland rivers) Travelling	
CA149	21/06/2017	2	Cormorant	1	10:06:00	20	20				FW2, (Depositing/upland rivers) (Mixed) broadleaved woodland Travelling	

Map Reference No.	Date	VP	Species Name	No. of Birds	Time of flight	Duration of flight (s)	Band 1 (0-10m)	Band 2 (10-25m)	Band 3 PCH (25-175m)	Band 4 (>175m)	Notes on habitat and activity	Comments
CA150	21/06/2017	2	Cormorant	1	10:08:00	38			38		FW2, (Depositing/upland rivers) (Mixed) broadleaved woodland Travelling	
CA151	21/06/2017	2	Cormorant	2	12:37:00	50		50			FW2, (Depositing/upland rivers) (Mixed) broadleaved woodland Travelling	
CA152	21/06/2017	2	Cormorant	1	12:39:00	10		10			FW2, (Depositing/upland rivers) Travelling	
CA153	21/06/2017	2	Cormorant	1	12:59:00	74		74			FW2, (Depositing/upland rivers) (Mixed) broadleaved woodland Travelling	
CA154	21/06/2017	2	Cormorant	1	14:47:00	42		42			FW2, (Depositing/upland rivers) (Mixed) broadleaved woodland Travelling	
CA155	21/06/2017	2	Cormorant	1	15:20:00	50			50		#REF!	
CA156	04/07/2017	10	Cormorant	1	11:39:00	138				138	WN7, (Bog woodland) PB4, (Cutover bog) Travelling	
CA157	06/07/2017	3	Cormorant	4	09:09:00	81			81		FW2, (Depositing/upland rivers) Travelling	
CA158	06/07/2017	3	Cormorant	1	09:49:00	76			76		FW2, (Depositing/upland rivers) Travelling	
CA159	06/07/2017	3	Cormorant	1	10:03:00	72			72		FW2, (Depositing/upland rivers) Travelling	
CA160	06/07/2017	3	Cormorant	1	10:03:00	5		5			FW2, (Depositing/upland rivers) Travelling	
CA161	06/07/2017	3	Cormorant	1	10:58:00	94		94			FW2, (Depositing/upland rivers) Travelling	
CA162	06/07/2017	3	Cormorant	1	11:09:00	40		40			FW2, (Depositing/upland rivers) Travelling	
CA163	06/07/2017	3	Cormorant	1	11:13:00	5			5		FW2, (Depositing/upland rivers) Travelling	
CA164	06/07/2017	3	Cormorant	1	11:14:00	62		62			FW2, (Depositing/upland rivers) Travelling	

Map Reference No.	Date	VP	Species Name	No. of Birds	Time of flight	Duration of flight (s)	Band 1 (0-10m)	Band 2 (10-25m)	Band 3 PCH (25-175m)	Band 4 (>175m)	Notes on habitat and activity	Comments
CA165	06/07/2017	3	Cormorant	1	11:15:00	52			52		FW2, (Depositing/upland rivers) Travelling	
CA166	06/07/2017	3	Cormorant	1	11:43:00	40			40		FW2, (Depositing/upland rivers) Travelling	
CA167	06/07/2017	3	Cormorant	1	14:41:00	61			61		GA1, (Improved agricultural grassland) (Mixed) broadleaved woodland Travelling	
CA168	11/07/2017	4	Cormorant	1	10:41:00	68		68			WN7, (Bog woodland) PB4, (Cutover bog) Travelling	
CA169	11/07/2017	4	Cormorant	1	11:04:00	15		15			#REF!	
CA170	11/07/2017	4	Cormorant	1	13:12:00	129		129			FW2, (Depositing/upland rivers) (Mixed) broadleaved woodland Travelling	
CA171	14/07/2017	1	Cormorant	1	09:28:00	35			35		PB4, (Cutover bog) Travelling	
CA172	14/07/2017	1	Cormorant	1	09:50:00	20			20		PB4, (Cutover bog) (Mixed) broadleaved woodland Travelling	
CA173	14/07/2017	1	Cormorant	1	10:03:00	107		107			FW2, (Depositing/upland rivers) (Mixed) broadleaved woodland Travelling	
CA174	14/07/2017	1	Cormorant	2	10:10:00	24		24			FW2, (Depositing/upland rivers) Landed in FW2	
CA175	14/07/2017	1	Cormorant	2	10:28:00	16	16				FW2, (Depositing/upland rivers) Travelling, landed in FW2	
CA176	14/07/2017	1	Cormorant	1	14:50:00	12	12				FW2, (Depositing/upland rivers) Travelling	
CA177	15/07/2017	2	Cormorant	2	09:13:00	46		46			FW2, (Depositing/upland rivers) GA1, (Improved agricultural grassland) Travelling	
CA178	15/07/2017	2	Cormorant	1	09:44:00	61		61			FW2, (Depositing/upland rivers) Travelling	
CA179	15/07/2017	2	Cormorant	1	10:15:00	20	20				FW2, (Depositing/upland rivers) Travelling	

Map Reference No.	Date	VP	Species Name	No. of Birds	Time of flight	Duration of flight (s)	Band 1 (0-10m)	Band 2 (10-25m)	Band 3 PCH (25-175m)	Band 4 (>175m)	Notes on habitat and activity	Comments
CA180	15/07/2017	2	Cormorant	1	10:29:00	33		33			(Mixed) broadleaved woodland GA1, (Improved agricultural grassland) Travelling	
CA181	15/07/2017	2	Cormorant	1	10:33:00	126		126			FW2, (Depositing/upland rivers) Travelling	
CA182	15/07/2017	2	Cormorant	1	10:37:00	47		47			FW2, (Depositing/upland rivers) Travelling	
CA183	15/07/2017	2	Cormorant	2	11:01:00	126		126			FW2, (Depositing/upland rivers) (Mixed) broadleaved woodland Travelling	
CA184	15/07/2017	2	Cormorant	1	11:22:00	23		23			FW2, (Depositing/upland rivers) Travelling	
CA185	15/07/2017	2	Cormorant	1	11:30:00	47		47			(Mixed) broadleaved woodland Travelling	
CA186	15/07/2017	2	Cormorant	1	11:33:00	19		19			(Mixed) broadleaved woodland GA1, (Improved agricultural grassland) Travelling	
CA187	15/07/2017	2	Cormorant	1	11:40:00	51		51			FW2, (Depositing/upland rivers) (Mixed) broadleaved woodland Travelling	
CA188	15/07/2017	2	Cormorant	1	12:47:00	103		103			FW2, (Depositing/upland rivers) GS4, (Wet grassland) Travelling	
CA189	15/07/2017	2	Cormorant	1	12:50:00	80		80			FW2, (Depositing/upland rivers) Travelling	
CA190	15/07/2017	2	Cormorant	1	13:32:00	17		17			FW2, (Depositing/upland rivers) (Mixed) broadleaved woodland Travelling	
CA191	15/07/2017	2	Cormorant	1	13:56:00	120		120			FW2, (Depositing/upland rivers) Travelling	
CA192	15/07/2017	2	Cormorant	1	14:14:00	20		20			FW2, (Depositing/upland rivers) Travelling	
CA193	15/07/2017	2	Cormorant	1	14:56:00	44		44			FW2, (Depositing/upland rivers) Travelling	

Map Reference No.	Date	VP	Species Name	No. of Birds	Time of flight	Duration of flight (s)	Band 1 (0-10m)	Band 2 (10-25m)	Band 3 PCH (25-175m)	Band 4 (>175m)	Notes on habitat and activity	Comments
CA194	15/07/2017	2	Cormorant	1	15:08:00	51					FW2, (Depositing/upland rivers) (Mixed) broadleaved woodland Travelling	
CA195	01/08/2017	3	Cormorant	3	05:57:00	86			86		GA1, (Improved agricultural grassland) (Mixed) broadleaved woodland Travelling	
CA196	01/08/2017	3	Cormorant	1	06:23:00	39					FW2, (Depositing/upland rivers) Travelling	
CA197	01/08/2017	3	Cormorant	1	06:50:00	135			135		PB4, (Cutover bog) (Mixed) broadleaved woodland FW2, (Depositing/upland rivers) Travelling	
CA198	01/08/2017	3	Cormorant	2	06:52:00	10			10		FW2, (Depositing/upland rivers) Travelling	
CA199	01/08/2017	3	Cormorant	3	07:16:00	76			76		PB4, (Cutover bog) (Mixed) broadleaved woodland Travelling	
CA200	01/08/2017	3	Cormorant	1	09:56:00	56			56		FW2, (Depositing/upland rivers) Travelling	
CA201	06/08/2017	4	Cormorant	1	09:58:00	63			63		PB4, (Cutover bog) WN7, (Bog woodland) Travelling	
CA202	10/08/2017	1	Cormorant	1	06:07:00	89			89		GS4, (Wet grassland) Travelling	
CA203	10/08/2017	1	Cormorant	1	10:07:00	24	24				FW2, (Depositing/upland rivers) Travelling	Landed FW2
CA204	10/08/2017	1	Cormorant	1	10:19:00	60		60			FW2, (Depositing/upland rivers) Travelling	
CA205	11/08/2017	2	Cormorant	9	06:12:00	85		85			FW2, (Depositing/upland rivers) Travelling	4x 1CY
CA206	11/08/2017	2	Cormorant	1	06:18:00	25		25			FW2, (Depositing/upland rivers) (Mixed) broadleaved woodland Travelling	
CA207	11/08/2017	2	Cormorant	3	06:51:00	54		54			FW2, (Depositing/upland rivers) Travelling	2x 1CY

Map Reference No.	Date	VP	Species Name	No. of Birds	Time of flight	Duration of flight (s)	Band 1 (0-10m)	Band 2 (10-25m)	Band 3 PCH (25-175m)	Band 4 (>175m)	Notes on habitat and activity	Comments
CA208	11/08/2017	2	Cormorant	2	07:04:00	15		15			GA1, (Improved agricultural grassland) (Mixed) broadleaved woodland Travelling	
CA209	11/08/2017	2	Cormorant	3	07:39:00	63		63			FW2, (Depositing/upland rivers) (Mixed) broadleaved woodland Travelling	2x 1CY
CA210	11/08/2017	2	Cormorant	1	11:00:00	95		95			FW2, (Depositing/upland rivers) (Mixed) broadleaved woodland GA1, (Improved agricultural grassland) Travelling	
CA211	15/09/2017	4	Cormorant	1	15:50:00	91		91			FW2, (Depositing/upland rivers) Travelling	
SH001	11/04/2017	2	Sparrowhawk	1	14:00:00	20	20				WD4, (Conifer plantation) Mixed broadleaved/conifer woodland male hunting	
SH002	11/04/2017	2	Sparrowhawk	1	14:15:00	10				10	WD4, (Conifer plantation) Mixed broadleaved/conifer woodland female soaring	
SH003	28/04/2017	5	Sparrowhawk	1	19:04:00	52	52	0	0	0	WS, (Scrub/ transitional woodland) PB4, (Cutover bog) Travelling	
SH004	07/05/2017	4	Sparrowhawk	1	10:51:00	208			20		PB4, (Cutover bog) WN7, (Bog woodland) Travelling, Soaring, Circling	Sudden dive from 175+ to trees
SH005	09/05/2017	2	Sparrowhawk	1	10:10	10	10				FW2, (Depositing/upland rivers) Travelling	
SH006	12/05/2017	1	Sparrowhawk	1	09:56:00	54			54		(Mixed) broadleaved woodland GA1, (Improved agricultural grassland) Travelling, Carrying Prey, Mobbed by Hooded Crows	
SH007	23/05/2017	9	Sparrowhawk	1	08:43:00	10	10				PB4, (Cutover bog) Mixed broadleaved/conifer woodland Travelling, mobbed by hooded crow	female
SH008	24/05/2017	10	Sparrowhawk	1	09:38:00	68	0	68	0	0	PB4, (Cutover bog) WS, (Scrub/ transitional woodland) Flying and carrying prey item in talons	

Map Reference No.	Date	VP	Species Name	No. of Birds	Time of flight	Duration of flight (s)	Band 1 (0-10m)	Band 2 (10-25m)	Band 3 PCH (25-175m)	Band 4 (>175m)	Notes on habitat and activity	Comments
SH009	17/06/2017	4	Sparrowhawk	1	10:36:00	23		23			PB4, (Cutover bog woodland) Hunting, Mobbed by Swallows	
SH010	17/06/2017	4	Sparrowhawk	1	14:14	16		16			PB4, (Cutover bog woodland) Travelling	
SH011	19/06/2017	3	Sparrowhawk	1	11:11:00	231			31	200	PB4, (Cutover bog) broadleaved woodland Soaring, Circling, Mobbed by Swallows	Female
SH012	19/06/2017	3	Sparrowhawk	1	11:18:00	201				201	GA1, (Improved agricultural grassland) (Mixed) broadleaved woodland Soaring, Circling, Mobbed by Swallows	
SH013	20/06/2017	1	Sparrowhawk	1	14:35:00	5		5			GS4, (Wet grassland) Travelling	
SH014	22/06/2017	10	Sparrowhawk	1	15:10:00	70		70			PB4, (Cutover bog) broadleaved/conifer woodland Carrying food	Male
SH015	04/07/2017	10	Sparrowhawk	1	14:50:00	34		34			WD4, (Conifer plantation) Travelling, circling over WD4	
SH016	05/07/2017	9	Sparrowhawk	1	12:41:00	315				315	PB4, (Cutover bog woodland) Circling, Soaring	
SH017	05/07/2017	9	Sparrowhawk	1	12:47:00	101				101	(Mixed) broadleaved woodland PB4, (Cutover bog) Circling, Soaring	
SH018	05/07/2017	9	Sparrowhawk	1	13:27:00	3	1	2			(Mixed) broadleaved woodland Dropping rapidly into WD1	
SH019	12/07/2017	8	Sparrowhawk	1	09:43:00	167				167	GA1, (Improved agricultural grassland) (Mixed) broadleaved woodland Hunting a large hirundine flock - caught and carried one	
SH020	12/07/2017	8	Sparrowhawk	1	10:42:00	240				240	PB4, (Cutover bog woodland) Soaring, Circling, Travelling	

Map Reference No.	Date	VP	Species Name	No. of Birds	Time of flight	Duration of flight (s)	Band 1 (0-10m)	Band 2 (10-25m)	Band 3 PCH (25-175m)	Band 4 (>175m)	Notes on habitat and activity	Comments
SH021	12/07/2017	8	Sparrowhawk	1	15:01:00	83		83			PB4, (Cutover bog) (Mixed) broadleaved woodland Carrying Prey	Probable nest nearby
SH022	13/07/2017	7	Sparrowhawk	1	11:20:00	34					GA1, (Improved agricultural grassland) (Mixed) broadleaved woodland Travelling, starting corvids, hirundines, starlings	
SH023	15/07/2017	2	Sparrowhawk	1	09:17:00	25					FW2, (Depositing/upland rivers) GS4, (Wet grassland) Travelling, carrying small passerine	
SH024	15/07/2017	2	Sparrowhawk	1	11:22	5					FW2, (Depositing/upland rivers) (Mixed) broadleaved woodland Travelling	
SH025	15/07/2017	2	Sparrowhawk	1	11:31:00	56			56		GS4, (Wet grassland) (Mixed) broadleaved woodland Travelling	
SH026	15/07/2017	2	Sparrowhawk	1	12:41	45		45			FW2, (Depositing/upland rivers) GS4, (Wet grassland) Travelling	
SH027	17/07/2017	5	Sparrowhawk	1	10:26:00	5					(Mixed) broadleaved woodland Travelling	
SH028	01/08/2017	3	Sparrowhawk	1	09:24:00	26		16			(Mixed) broadleaved woodland PB4, (Cutover bog) Travelling	
SH029	02/08/2017	11	Sparrowhawk	1	07:18:00	18					(Mixed) broadleaved woodland GA1, (Improved agricultural grassland) Hunting	Mobbed by corvids, Immature
SH030	02/08/2017	11	Sparrowhawk	1	07:27:00	5					(Mixed) broadleaved woodland GA1, (Improved agricultural grassland) Hunting	Mobbed by corvids, Immature
SH031	02/08/2017	11	Sparrowhawk	2	08:40:00	10					(Mixed) broadleaved woodland GA1, (Improved agricultural grassland) Hunting	Mobbed by corvids, Immature
SH032	02/08/2017	11	Sparrowhawk	1	09:37:00	10					(Mixed) broadleaved woodland GA1, (Improved agricultural grassland) Hunting	Mobbed by corvids, Immature

Map Reference No.	Date	VP	Species Name	No. of Birds	Time of flight	Duration of flight (s)	Band 1 (0-10m)	Band 2 (10-25m)	Band 3 PCH (25-175m)	Band 4 (>175m)	Notes on habitat and activity	Comments
	02/08/2017	11	Sparrowhawk	1	07:21:00	23	23				(Mixed) broadleaved woodland GA1, (Improved agricultural grassland) Hunting	Mobbed by corvids, Immature
SH033	03/08/2017	10	Sparrowhawk	1	10:30:00	5	5				WN7, (Bog woodland) Travelling, Mobbed	
SH034	04/08/2017	9	Sparrowhawk	1	07:02:00	10	10				PB4, (Cutover bog) Travelling	Mobbed by HCs
SH035	04/08/2017	9	Sparrowhawk	1	09:25:00	75	45	30			PB4, (Cutover bog) GA1, (Improved agricultural grassland) (Mixed) broadleaved woodland Travelling	1CY
SH036	10/08/2017	1	Sparrowhawk	1	11:02	60	60				GS4, (Wet grassland) Hunting	Juvenile. Two failed attempts at catching passerines in WL 1
SH037	07/09/2017	9	Sparrowhawk	1	19:04:00	175		175			PB4, (Cutover bog) Travelling	
SH038	14/09/2017	3	Sparrowhawk	1	19:40:00	25	25				PB4, (Cutover bog) travelling	adult female
SH039	14/09/2017	3	Sparrowhawk	1	19:47:00	69	69				PB4, (Cutover bog) chasing a robin	adult female
SH040	18/09/2017	2	Sparrowhawk	1	14:50:00	119				119	WD4, (Conifer plantation) mobbing	mobbing bz
SH041	18/09/2017	2	Sparrowhawk	1	15:11:00	18	18				WD4, (Conifer plantation) travelling	
SH042	18/09/2017	2	Sparrowhawk	1	15:42:00	252		252			(Mixed) broadleaved woodland soaring, travelling	
SH043	18/09/2017	2	Sparrowhawk	1	16:06:00	47	47				(Mixed) broadleaved woodland travelling	
SH044	19/09/2017	1	Sparrowhawk	1	18:16:00	5	5				GS4, (Wet grassland) travelling	female/imm
HH001	10/08/2017	1	Hen Harrier	1	06:33:00	18	18				GS4, (Wet grassland) FW2, (Depositing/upland rivers) Travelling	Ringtail, landed on post amidst GS4

Map Reference No.	Date	VP	Species Name	No. of Birds	Time of flight	Duration of flight (s)	Band 1 (0-10m)	Band 2 (10-25m)	Band 3 PCH (25-175m)	Band 4 (>175m)	Notes on habitat and activity	Comments
BZ001	11/04/2017	6	Buzzard	1	11:00:00	74	12	62	0	0	PB4, (Cutover bog transitional woodland) and Flying on	WS, (Scrub/ transitional woodland) Hunting
BZ002	11/04/2017	6	Buzzard	1	11:05:00	259	34	225	0	0	PB4, (Cutover bog transitional woodland) and Flying on	WS, (Scrub/ transitional woodland) Hunting
BZ003	11/04/2017	6	Buzzard	1	14:06:00	101	101	0	0	0	PB4, (Cutover bog) Flying on	Hunting and
BZ004	11/04/2017	6	Buzzard	1	14:27:00	366	0	0	277	89	PB4, (Cutover bog) Gliding on wind	Hunting and
BZ005	11/04/2017	11	Buzzard	1	15:55:00	35	35				PB4, (Cutover bog) Travelling	
BZ006	12/04/2017	7	Buzzard	1	12:11:00	328	0	208	120	0	GA1, (Improved agricultural grassland) WS, (Scrub/ transitional woodland) (Cutover bog) Hunting and Gliding on wind	
BZ007	12/04/2017	10	Buzzard	1	14:14:00	44		44			Mixed broadleaved/conifer woodland Soaring	
BZ008	13/04/2017	8	Buzzard	1	14:22:00	303	0	0	303	0	PB4, (Cutover bog) transitional woodland) and Gliding on wind	WS, (Scrub/ transitional woodland) Hunting
BZ009	20/04/2017	1	Buzzard	1	17:22:00	2	2				PB4, (Cutover bog) (Improved agricultural grassland) Travelling, Hunting	GA1,
BZ010	27/04/2017	4	Buzzard	2	15:33:00	266			60	206	WN7, (Bog woodland) Travelling	2 adults soaring over suitable habitat
BZ011	27/04/2017	4	Buzzard	1	19:56:00	4	4				WN7, (Bog woodland) Travelling	Seen flying & landing in wood - where a pair were seen before

Map Reference No.	Date	VP	Species Name	No. of Birds	Time of flight	Duration of flight (s)	Band 1 (0-10m)	Band 2 (10-25m)	Band 3 PCH (25-175m)	Band 4 (>175m)	Notes on habitat and activity	Comments
BZ012	07/05/2017	4	Buzzard	1	10:38:00	89			89		WN7, (Bog woodland) Travelling, Soaring, Circling	Over a tall stand of deciduous trees
BZ013	07/05/2017	4	Buzzard	1	11:02:00	94		94			PB4, (Cutover bog woodland) Travelling	Mobbed by Hooded Crows
BZ014	07/05/2017	4	Buzzard	1	11:09:00	152				152	PB4, (Cutover bog woodland) Travelling	Mobbed by Hooded Crows
BZ015	08/05/2017	5	Buzzard	1	08:32:00	10		10			WN7, (Bog woodland) Travelling, Soaring, Circling	Mobbed by Hooded Crows
BZ016	08/05/2017	5	Buzzard	1	09:09:00	164				164	PB4, (Cutover bog woodland) Travelling	
BZ017	22/05/2017	11	Buzzard	1	06:01:00	144			100	44	Mixed broadleaved/conifer woodland PB4, (Cutover bog) Travelling, Soaring, Circling	
BZ018	22/05/2017	11	Buzzard	1	09:01:00	91	5	5	81		Mixed broadleaved/conifer woodland PB4, (Cutover bog) Travelling, SOAring, Circling	
BZ019	23/05/2017	9	Buzzard	1	08:36:00	19			19		PB4, (Cutover bog) Mixed broadleaved/conifer woodland Travelling, mobbed by hooded crow	
BZ020	23/05/2017	9	Buzzard	1	10:18:00	18		18			Mixed broadleaved/conifer woodland Travelling, circling, soaring	
BZ021	14/06/2017	11	Buzzard	1	13:00:00	320			60	260	PB4, (Cutover bog) Mixed broadleaved/conifer woodland GA1, (Improved agricultural grassland) Circling & Travelling	
BZ022	15/06/2017	6	Buzzard	1	11:21:00	13					WN7, (Bog woodland) Travelling, Landed in WN7	
BZ023	15/06/2017	6	Buzzard	1	13:44:00	246				246	WN7, (Bog woodland) PB4, (Cutover bog) Hovering, Hunting, Dropped into WN7	
BZ024	15/06/2017	6	Buzzard	1	14:07:00	56				56	WN7, (Bog woodland) Hovering, Hunting, Dropped into WN7	

Map Reference No.	Date	VP	Species Name	No. of Birds	Time of flight	Duration of flight (s)	Band 1 (0-10m)	Band 2 (10-25m)	Band 3 PCH (25-175m)	Band 4 (>175m)	Notes on habitat and activity	Comments
BZ025	15/06/2017	6	Buzzard	1	15:10:00	38			38		WN7, (Bog woodland) PB4, (Cutover bog) Hovering, Hunting, Dropped into WN7	
BZ026	15/06/2017	6	Buzzard	1	15:14:00	140				140	WN7, (Bog woodland) PB4, (Cutover bog) Hovering, Hunting, Dropped into WN7	
BZ027	15/06/2017	6	Buzzard	1	15:14:00	190				190	WN7, (Bog woodland) PB4, (Cutover bog) Hovering, Hunting, Dropped into WN7	
BZ028	16/06/2017	5	Buzzard	1	12:42:00	59				59	WN7, (Bog woodland) PB4, (Cutover bog) Travelling	
BZ029	16/06/2017	5	Buzzard	1	13:59:00	94				94	WN7, (Bog woodland) PB4, (Cutover bog) Soaring, Circling, Dropped into WN7	
BZ030	16/06/2017	5	Buzzard	1	14:25:00	109			109		WN7, (Bog woodland) PB4, (Cutover bog) Soaring, Circling	
BZ031	16/06/2017	5	Buzzard	1	15:16:00	163			163		PB4, (Cutover bog) PB1, (Raised bog) Hovering, Hunting, Dropped	
BZ032	16/06/2017	5	Buzzard	1	15:19:00	30			30		PB4, (Cutover bog) PB1, (Raised bog) Travelling	
BZ033	16/06/2017	5	Buzzard	1	15:26:00	123				123	PB4, (Cutover bog) PB1, (Raised bog) Hovering, Hunting	
BZ034	17/06/2017	4	Buzzard	1	09:32:00	34		34			PB4, (Cutover bog) WN7, (Bog woodland) Travelling, Landed in WN7	
BZ035	17/06/2017	4	Buzzard	1	09:52:00	5			5		PB4, (Cutover bog) WN7, (Bog woodland) Hovering, Hunting	
BZ036	17/06/2017	4	Buzzard	1	10:08:00	14			14		WN7, (Bog woodland) PB4, (Cutover bog) Travelling	
BZ037	17/06/2017	4	Buzzard	1	10:23:00	10			10		WD4, (Conifer plantation) Travelling	
BZ038	17/06/2017	4	Buzzard	1	10:25:00	53		53			WD4, (Conifer plantation) Hovering, Landed in WD4	

Map Reference No.	Date	VP	Species Name	No. of Birds	Time of flight	Duration of flight (s)	Band 1 (0-10m)	Band 2 (10-25m)	Band 3 PCH (25-175m)	Band 4 (>175m)	Notes on habitat and activity	Comments
BZ039	17/06/2017	4	Buzzard	2	10:29:00	25			25		WD4, (Conifer plantation) FW2, (Depositing/upland rivers) Soaring	
BZ040	17/06/2017	4	Buzzard	1	11:04:00	37				37	(Mixed) broadleaved woodland Soaring, Dropped into WD1	
BZ041	17/06/2017	4	Buzzard	1	11:15:00	34				34	(Mixed) broadleaved woodland PB1, (Raised bog) Travelling	
BZ042	17/06/2017	4	Buzzard	1	12:42:00	82			82		PB4, (Cutover bog) WN7, (Bog woodland) Travelling, Soaring	
BZ043	17/06/2017	4	Buzzard	1	12:58:00	264				264	WD4, (Conifer plantation) WN7, (Bog woodland) Soaring	Lost at height
BZ044	17/06/2017	4	Buzzard	1	13:19	259			259		WN7, (Bog woodland) PB4, (Cutover bog) Travelling, Soaring	
BZ045	17/06/2017	4	Buzzard	1	13:48	108			108		WN7, (Bog woodland) PB4, (Cutover bog) Soaring, Hovering, Hunting	
BZ046	17/06/2017	4	Buzzard	1	13:55	29			29		WN7, (Bog woodland) PB4, (Cutover bog) Soaring, Hovering, Hunting	
BZ047	17/06/2017	4	Buzzard	1	14:41:00	152				152	PB4, (Cutover bog) WN7, (Bog woodland) Travelling	
BZ048	17/06/2017	4	Buzzard	1	15:01:00	186				186	WD4, (Conifer plantation) FW2, (Depositing/upland rivers) Soaring, Circling	
BZ049	17/06/2017	4	Buzzard	1	15:07:00	113				113	(Mixed) broadleaved woodland PB4, (Cutover bog) Soaring, Circling, Climbing and Dropping Rapidly	
BZ050	17/06/2017	4	Buzzard	1	15:14:00	21				21	WN7, (Bog woodland) PB4, (Cutover bog) Travelling, Mobbed by HC	
BZ051	17/06/2017	4	Buzzard	2	15:16:00	93			93		WN7, (Bog woodland) PB4, (Cutover bog) Aggressive Interaction, Chasing another	

Map Reference No.	Date	VP	Species Name	No. of Birds	Time of flight	Duration of flight (s)	Band 1 (0-10m)	Band 2 (10-25m)	Band 3 PCH (25-175m)	Band 4 (>175m)	Notes on habitat and activity	Comments
BZ052	17/06/2017	4	Buzzard	2	15:17:00	5			5		WN7, (Bog woodland) PB4, (Cutover bog) 2 Birds Soaring Together	
BZ053	19/06/2017	3	Buzzard	1	10:41:00	279			9	270	WN7, (Bog woodland) (Mixed) broadleaved woodland Soaring, Circling, Landed on Pylon	
BZ054	19/06/2017	3	Buzzard	1	11:20:00	10				10	GA1, (Improved agricultural grassland) (Mixed) broadleaved woodland Soaring, Circling, Travelling	
BZ055	19/06/2017	3	Buzzard	1	12:39:00	24			24		(Mixed) broadleaved woodland Soaring, Circling, Travelling	
BZ056	19/06/2017	3	Buzzard	1	13:51:00	210				210	(Mixed) broadleaved woodland GA1, (Improved agricultural grassland) Soaring, Circling	
BZ057	19/06/2017	3	Buzzard	2	13:56:00	411				411	(Mixed) broadleaved woodland GA1, (Improved agricultural grassland) Soaring, Circling	
BZ058	19/06/2017	3	Buzzard	1	14:08:00	159				159	(Mixed) broadleaved woodland GA1, (Improved agricultural grassland) Soaring, Circling	
BZ059	20/06/2017	1	Buzzard	1	10:12:00	623				623	GA1, (Improved agricultural grassland) (Mixed) broadleaved woodland Circling, Soaring	
BZ060	20/06/2017	1	Buzzard	1	10:37:00	110				110	WD4, (Conifer plantation) Circling, Soaring	
BZ061	20/06/2017	1	Buzzard	1	11:20:00	171			20	151	(Mixed) broadleaved woodland GA1, (Improved agricultural grassland) Circling, Soaring	
BZ062	20/06/2017	1	Buzzard	1	14:10:00	46			46		(Mixed) broadleaved woodland GA1, (Improved agricultural grassland) Travelling	
BZ063	20/06/2017	1	Buzzard	1	15:05:00	85			85		GA1, (Improved agricultural grassland) (Mixed) broadleaved woodland Travelling	A 2nd bird calling

Map Reference No.	Date	VP	Species Name	No. of Birds	Time of flight	Duration of flight (s)	Band 1 (0-10m)	Band 2 (10-25m)	Band 3 PCH (25-175m)	Band 4 (>175m)	Notes on habitat and activity	Comments
BZ064	20/06/2017	1	Buzzard	1	15:16:00	173				173	GA1, (Improved agricultural grassland) (Mixed) broadleaved woodland Travelling	nearby, from behind VP
BZ065	20/06/2017	1	Buzzard	1	15:48:00	75			75		GA1, (Improved agricultural grassland) (Mixed) broadleaved woodland Travelling	
BZ066	21/06/2017	2	Buzzard	2	15:13:00	11			11		WD4, (Conifer plantation) Soaring, Landed in WD4 Pair	
BZ067	21/06/2017	2	Buzzard	1	15:16:00	28		28			WD4, (Conifer plantation) Travelling	
BZ068	23/06/2017	9	Buzzard	1	07:25:00	20		20			PB4, (Cutover bog) Mixed broadleaved/conifer woodland GA1, (Improved agricultural grassland) Travelling	
BZ069	28/06/2017	7	Buzzard	1	11:45:00	110				110	GA1, (Improved agricultural grassland) Travelling	
BZ070	04/07/2017	10	Buzzard	1	13:41:00	61		61			(Mixed) broadleaved woodland GA1, (Improved agricultural grassland) Travelling	
BZ071	04/07/2017	10	Buzzard	1	15:11:00	66			66		WD4, (Conifer plantation) Soaring, Travelling	
BZ072	04/07/2017	10	Buzzard	1	15:28:00	20		20			WD4, (Conifer plantation) Travelling, Carrying Prey	Potential nest nearby
BZ073	05/07/2017	9	Buzzard	1	11:29:00	42		42			PB4, (Cutover bog) GA1, (Improved agricultural grassland) WN7, (Bog woodland) Travelling	
BZ074	05/07/2017	9	Buzzard	1	13:31:00	28		28			WN7, (Bog woodland) PB4, (Cutover bog) Travelling, dropped into WN7	

Map Reference No.	Date	VP	Species Name	No. of Birds	Time of flight	Duration of flight (s)	Band 1 (0-10m)	Band 2 (10-25m)	Band 3 PCH (25-175m)	Band 4 (>175m)	Notes on habitat and activity	Comments
BZ075	05/07/2017	9	Buzzard	2	14:18:00	192				192	(Mixed) broadleaved woodland GA1, (Improved agricultural grassland) Circling, Soaring	
BZ076	05/07/2017	9	Buzzard	1	14:49:00	114			114		PB4, (Cutover bog) (Mixed) broadleaved woodland Circling, Soaring	Adult
BZ077	05/07/2017	9	Buzzard	1	14:57:00	401		50	351		(Mixed) broadleaved woodland GA1, (Improved agricultural grassland) Circling, Soaring, Hovering, Hunting	
BZ078	05/07/2017	9	Buzzard	1	15:07:00	39			39		(Mixed) broadleaved woodland Circling, Soaring, Hovering, Hunting	
BZ079	06/07/2017	3	Buzzard	1	10:25:00	110			110		(Mixed) broadleaved woodland GA1, (Improved agricultural grassland) Travelling	
BZ080	06/07/2017	3	Buzzard	2	11:27:00	34			34		(Mixed) broadleaved woodland GA1, (Improved agricultural grassland) Hovering, hunting, dropped into WD1	
BZ081	06/07/2017	3	Buzzard	1	12:59:00	4		4			FW2, (Depositing/upland rivers) Landed in WD1	
BZ082	06/07/2017	3	Buzzard	2	13:03:00	74			74		(Mixed) broadleaved woodland Soaring, Circling	
BZ083	06/07/2017	3	Buzzard	1	13:06:00	413				413	(Mixed) broadleaved woodland GA1, (Improved agricultural grassland) Soaring, Hovering	
BZ084	06/07/2017	3	Buzzard	2	13:24:00	148					(Mixed) broadleaved woodland GA1, (Improved agricultural grassland) Hunting, non-aggressive interactions - landed in WD1 - Pair?	

Map Reference No.	Date	VP	Species Name	No. of Birds	Time of flight	Duration of flight (s)	Band 1 (0-10m)	Band 2 (10-25m)	Band 3 PCH (25-175m)	Band 4 (>175m)	Notes on habitat and activity	Comments
BZ085	06/07/2017	3	Buzzard	2	13:32:00	41		41			(Mixed) broadleaved woodland GA1, (Improved agricultural grassland) Travelling, landed in WD1	
BZ086	06/07/2017	3	Buzzard	1	13:36:00	38			38		(Mixed) broadleaved woodland Travelling, hunting	
BZ087	06/07/2017	3	Buzzard	1	14:12:00	155			155		(Mixed) broadleaved woodland WN7, (Bog woodland) PB4, (Cutover bog) Travelling	2CY in moult
BZ088	06/07/2017	3	Buzzard	1	14:48:00	306				306	FW2, (Depositing/upland rivers) Hunting	
BZ089	06/07/2017	3	Buzzard	1	14:57:00	106				106	(Mixed) broadleaved woodland WN7, (Bog woodland) Hunting	
BZ090	12/07/2017	8	Buzzard	2	09:38:00	352				352	PB4, (Cutover bog) WN7, (Bog woodland) GA1, (Improved agricultural grassland) Pair displaying, dropped rapidly	
BZ091	12/07/2017	8	Buzzard	1	14:20:00	7		7			PB4, (Cutover bog) GA1, (Improved agricultural grassland) Travelling	
BZ092	13/07/2017	7	Buzzard	1	10:11:00	343		3	340		WN7, (Bog woodland) GA1, (Improved agricultural grassland) Travelling, landed in GA1	
BZ093	13/07/2017	7	Buzzard	1	10:44:00	383			383		PB4, (Cutover bog) WN7, (Bog woodland) GA1, (Improved agricultural grassland) Travelling, hovering, hunting	
BZ094	13/07/2017	7	Buzzard	1	11:44:00	103			103		PB4, (Cutover bog) WN7, (Bog woodland) (Mixed) broadleaved woodland Travelling	
BZ095	13/07/2017	7	Buzzard	1	11:50:00	350		60	290		PB4, (Cutover bog) WN7, (Bog woodland) (Mixed) broadleaved woodland Travelling, hunting, landed in WN7	

Map Reference No.	Date	VP	Species Name	No. of Birds	Time of flight	Duration of flight (s)	Band 1 (0-10m)	Band 2 (10-25m)	Band 3 PCH (25-175m)	Band 4 (>175m)	Notes on habitat and activity	Comments
BZ096	13/07/2017	7	Buzzard	1	12:56:00	72					PB4, (Cutover bog) WN7, (Bog woodland) (Mixed) broadleaved woodland Travelling	
BZ097	13/07/2017	7	Buzzard	1	13:52	42					GA1, (Improved agricultural grassland) Travelling, (dropped -hunting)	
BZ098	13/07/2017	7	Buzzard	1	14:27	102					PB4, (Cutover bog) WN7, (Bog woodland) (Mixed) broadleaved woodland Travelling	
BZ099	13/07/2017	7	Buzzard	1	15:19:00	15					(Mixed) broadleaved woodland GA1, (Improved agricultural grassland) Travelling	
BZ100	14/07/2017	1	Buzzard	1	10:38:00	239		179			GA1, (Improved agricultural grassland) (Mixed) broadleaved woodland Circling, hovering, hunting	
BZ101	15/07/2017	2	Buzzard	1	14:14:00	91		91			(Mixed) broadleaved woodland Travelling	
BZ102	16/07/2017	6	Buzzard	1	09:51:00	103		90	13		WN7, (Bog woodland) GA1, (Improved agricultural grassland) PB4, (Cutover bog) Travelling, Soaring	
BZ103	03/08/2017	10	Buzzard	1	10:49:00	37					(Mixed) broadleaved woodland GA1, (Improved agricultural grassland) Travelling	Alighted from WD1 - dark trailing edge to wings - adult
BZ104	03/08/2017	10	Buzzard	1	11:18:00	20					(Mixed) broadleaved woodland Travelling	
BZ105	07/08/2017	7	Buzzard	1	10:45:00	846		846			WN7, (Bog woodland) (Mixed) broadleaved woodland GA1, (Improved agricultural grassland) Travelling, Hovering, Circling, Soaring	
BZ106	09/08/2017	5	Buzzard	1	09:42:00	65					Travelling	Landed WL2

Map Reference No.	Date	VP	Species Name	No. of Birds	Time of flight	Duration of flight (s)	Band 1 (0-10m)	Band 2 (10-25m)	Band 3 PCH (25-175m)	Band 4 (>175m)	Notes on habitat and activity	Comments
BZ107	09/08/2017	5	Buzzard	1	10:53:00	5					PB1, (Raised bog) GA1, (Improved agricultural grassland) Hovering, dropped	
BZ108	09/08/2017	5	Buzzard	1	10:58:00	10					GA1, (Improved agricultural grassland) Travelling	
BZ109	09/08/2017	5	Buzzard	1	11:00:00	227	200				GA1, (Improved agricultural grassland) Travelling	
BZ110	11/08/2017	2	Buzzard	1	09:45:00	125					Mixed broadleaved/conifer woodland Travelling, hunting	
BZ111	05/09/2017	10	Buzzard	1	17:07:00	153		153			PB4, (Cutover bog) (Mixed) broadleaved woodland Hunting, Hovering	Adult
BZ112	05/09/2017	10	Buzzard	1	17:12:00	63	63				PB4, (Cutover bog) Travelling	Adult (chased 2CY)
BZ113	05/09/2017	10	Buzzard	2	17:13:00	256	256				PB4, (Cutover bog) Aggressive Encounter between adult and 2CY	Adult landed PB4
BZ114	05/09/2017	10	Buzzard	2	17:38:00	30	30				PB4, (Cutover bog) Hunting, Travelling	Both adults (pair?)
BZ115	05/09/2017	10	Buzzard	1	18:50:00	30	30				PB4, (Cutover bog) Hunting, Travelling	Adult
BZ116	07/09/2017	9	Buzzard	1	16:26:00	27	27				PB4, (Cutover bog) Travelling	Adult, Landed out of view
BZ117	07/09/2017	9	Buzzard	1	19:15:00	129	129				PB4, (Cutover bog) Travelling	Adult, flew from post
BZ118	08/09/2017	8	Buzzard	1	16:29:00	7	7				PB4, (Cutover bog) Travelling	Adult, flew from post
BZ119	08/09/2017	8	Buzzard	1	16:52:00	32	32				GA1, (Improved agricultural grassland) Travelling	Lost behind trees
BZ120	13/09/2017	5	Buzzard	1	15:16:00	75		75			PB4, (Cutover bog) GA1, (Improved agricultural grassland) Soaring	adult
BZ121	14/09/2017	3	Buzzard	1	15:14:00	244		244			PB4, (Cutover bog) Travelling, Hunting	adult
BZ122	15/09/2017	4	Buzzard	1	15:04:00	197		197			PB4, (Cutover bog) Travelling	adult

Map Reference No.	Date	VP	Species Name	No. of Birds	Time of flight	Duration of flight (s)	Band 1 (0-10m)	Band 2 (10-25m)	Band 3 PCH (25-175m)	Band 4 (>175m)	Notes on habitat and activity	Comments
BZ123	15/09/2017	4	Buzzard	1	16:52:00	89		89			WD4, (Conifer plantation) Hunting	
BZ124	15/09/2017	4	Buzzard	1	19:23:00	5	5				WN7, (Bog woodland) Travelling	
BZ125	18/09/2017	2	Buzzard	1	14:23:00	106		106			WD4, (Conifer plantation) soaring, travelling	
BZ126	18/09/2017	2	Buzzard	1	14:28:00	39		39			FW2, (Depositing/upland rivers) travelling	landed wd1
BZ127	18/09/2017	2	Buzzard	1	14:34:00	73		73			WD4, (Conifer plantation) soaring, travelling	all 3 separate birds
BZ128	18/09/2017	2	Buzzard	1	14:34:00	224		180	44		PB4, (Cutover bog) soaring, travelling	all 3 separate birds
BZ129	18/09/2017	2	Buzzard	1	14:34:00	224			224		PB4, (Cutover bog) soaring, travelling	all 3 separate birds
BZ130	18/09/2017	2	Buzzard	1	14:50:00	130			130		WD4, (Conifer plantation) mobbing	mobbed by sh, mobbing raven
BZ131	18/09/2017	2	Buzzard	1	15:30:00	370		310	20	40	FW2, (Depositing/upland rivers) soaring, travelling	
BZ132	18/09/2017	2	Buzzard	1	15:31:00	310		210	20	80	(Mixed) broadleaved woodland soaring, travelling	
BZ133	18/09/2017	2	Buzzard	2	15:46:00	95			95		GA1, (Improved agricultural grassland) soaring, travelling	
BZ134	18/09/2017	2	Buzzard	1	16:10:00	126		126			(Mixed) broadleaved woodland travelling	
BZ135	19/09/2017	1	Buzzard	1	14:46:00	96			96		GA1, (Improved agricultural grassland) Travelling	in dispute
BZ136	19/09/2017	1	Buzzard	1	14:46:00	154		20	134		GA1, (Improved agricultural grassland) Travelling	in dispute
BZ137	19/09/2017	1	Buzzard	1	14:54:00	103		103			GA1, (Improved agricultural grassland) soaring, travelling	
BZ138	19/09/2017	1	Buzzard	1	14:54:00	5	5				GA1, (Improved agricultural grassland) travelling	landed wd2
MH001	21/06/2017	2	Moorhen	1	11:08:00	5	5				FW2, (Depositing/upland rivers) Flushed by Boat	

Map Reference No.	Date	VP	Species Name	No. of Birds	Time of flight	Duration of flight (s)	Band 1 (0-10m)	Band 2 (10-25m)	Band 3 PCH (25-175m)	Band 4 (>175m)	Notes on habitat and activity	Comments
MH002	11/08/2017	2	Moorhen	1	06:18:00	2	2				FW2, (Depositing/upland rivers) FS1, (Reed and large sedge swamps) Travelling	Flew a short distance amidst FS1 calling once
L001	14/07/2017	1	Lapwing	19	14:36:00	139			139		PB4, (Cutover bog) FL8, (Other artificial lakes and ponds) Travelling	
L002	09/08/2017	5	Lapwing	65	10:29:00	45	45				WN7, (Bog woodland) PB4, (Cutover bog) GA1, (Improved agricultural grassland) Travelling	Landed in PB1 or GA1 (unsure)
L003	11/08/2017	2	Lapwing	1	09:33:00	18	18				FW2, (Depositing/upland rivers) (Mixed) broadleaved woodland GA1, (Improved agricultural grassland) Travelling	
L004	13/09/2017	5	Lapwing	80	18:49:00	833		833			PB4, (Cutover bog) Circling	
GP001	11/04/2017	11	Golden Plover	28	11:01:00	52			52		GA1, (Improved agricultural grassland) Mixed broadleaved/conifer woodland Travelling	
GP002	11/04/2017	11	Golden Plover	30	11:25:00	7	7				PB4, (Cutover bog) Dropped into bog	
GP003	11/04/2017	11	Golden Plover	31	11:32:00	67	15	52			PB4, (Cutover bog) Mixed broadleaved/conifer woodland Travelling	
GP004	11/04/2017	11	Golden Plover	31	11:36:00	42	42				PB4, (Cutover bog) Travelling	
GP005	12/04/2017	10	Golden Plover		10:00:00							
GP006	12/04/2017	10	Golden Plover	33	10:09:00	219			219		PB4, (Cutover bog) Circling bog	
GP007	14/04/2017	9	Golden Plover	30	08:30:00	14	4	10	0	0	PB4, (Cutover bog) Landing and joining GP flock roosting on PB4	
GP008	14/04/2017	9	Golden Plover	275	11:14:00	167	43	51	73	0	PB4, (Cutover bog) GP flock left site and flew north	
GP009	14/04/2017	9	Golden Plover	120	11:36:00	918	20	26	872	0	PB4, (Cutover bog) GP flock landing on PB4	

Map Reference No.	Date	VP	Species Name	No. of Birds	Time of flight	Duration of flight (s)	Band 1 (0-10m)	Band 2 (10-25m)	Band 3 PCH (25-175m)	Band 4 (>175m)	Notes on habitat and activity	Comments
GP010	14/04/2017	9	Golden Plover	24	13:48:00	166	0	0	166	0	PB4, (Cutover bog) Travelling	
GP011	24/04/2017	3	Golden Plover	24	19:27:00	160			160		PB4, (Cutover bog) (Mixed) broadleaved woodland (Improved agricultural grassland) Travelling	
GP012	24/04/2017	3	Golden Plover	18	20:24:00	146				140	PB4, (Cutover bog) WN7, (Bog woodland) FW2, (Depositing/upland rivers) Travelling	
GP013	06/05/2017	3	Golden Plover	9	05:31:00	130			130		PB4, (Cutover bog) WN7, (Bog woodland) Travelling	
GP014	08/05/2017	5	Golden Plover	40	05:02:00	36				36	PB4, (Cutover bog) WN7, (Bog woodland) Travelling	
WK001	22/05/2017	11	Woodcock	1	04:40:00	5		5			PB4, (Cutover bog) WN7, (Bog woodland) Mixed broadleaved/conifer woodland Roding/displaying	
SN001	20/04/2017	1	Snipe	2	21:08:00	10			15		GA1, (Improved agricultural grassland) Travelling	
SN002	20/04/2017	1	Snipe	2	21:16:00	20			20		GA1, (Improved agricultural grassland) Travelling	
SN003	27/04/2017	4	Snipe	1	21:50:00	30			30		PB4, (Cutover bog) Travelling	
SN004	12/05/2017	1	Snipe	1	06:57:00	2		2			GS4, (Wet grassland) Travelling, Drumming	
SN005	12/05/2017	1	Snipe	1	06:58:00	2		2			GS4, (Wet grassland) Travelling, Drumming	
SN006	12/05/2017	1	Snipe	1	07:06:00	2					GS4, (Wet grassland) Travelling, Drumming	
SN007	12/05/2017	1	Snipe	1	07:12:00	2		2			GS4, (Wet grassland) Travelling, Drumming	
SN008	12/05/2017	1	Snipe	1	07:39:00	25			25		GS4, (Wet grassland) Travelling, Chipping in Flight	

Map Reference No.	Date	VP	Species Name	No. of Birds	Time of flight	Duration of flight (s)	Band 1 (0-10m)	Band 2 (10-25m)	Band 3 PCH (25-175m)	Band 4 (>175m)	Notes on habitat and activity	Comments
SN009	12/05/2017	1	Snipe	3	07:52:00	23			23		GS4, (Wet grassland) FW2, (Depositing/upland rivers) Travelling, Drumming, Chasing one another	
SN010	12/05/2017	1	Snipe	1	09:14:00	79			60	19	GS4, (Wet grassland) Chipping, Drumming Travelling,	
SN011	12/05/2017	1	Snipe	1	10:25:00	20	2.5	2.5	15		GS4, (Wet grassland) drumming, chipping Travelling,	
SN012	14/06/2017	11	Snipe	1	09:00:00						PB4, (Cutover bog) Calling; not seen	
SN013	16/06/2017	5	Snipe	1	09:14:00	5			5		PB4, (Cutover bog) WN7, (Bog woodland) Travelling	
SN014	16/06/2017	5	Snipe	1	09:30:00	3				3	PB4, (Cutover bog) WN7, (Bog woodland) Drumming in Flight	
SN015	16/06/2017	5	Snipe	2	09:32:00	3			3		PB4, (Cutover bog) WN7, (Bog woodland) Drumming in Flight	
SN016	16/06/2017	5	Snipe	1	09:33:00	3			3		PB4, (Cutover bog) WN7, (Bog woodland) Drumming in Flight	
SN017	16/06/2017	5	Snipe	1	11:26:00	126			50	76	PB4, (Cutover bog) WN7, (Bog woodland) Drumming in Flight	
SN018	16/06/2017	5	Snipe	1	11:42:00	155				155	PB4, (Cutover bog) WN7, (Bog woodland) Drumming in Flight	
SN019	16/06/2017	5	Snipe	1	11:43:00	5				5	PB4, (Cutover bog) WN7, (Bog woodland) Drumming in Flight, Aggressive Interaction	
SN020	16/06/2017	5	Snipe	2	12:43:00	20			20		PB4, (Cutover bog) FS1, (Reed and large sedge swamps) One individual chasing another - territorial dispute?	
SN021	16/06/2017	5	Snipe	1	14:20:00	3	3				Travelling, Flushed by Train	
SN022	21/06/2017	2	Snipe	1	10:32:00	5	5				GS4, (Wet grassland) Travelling	
SN023	04/07/2017	10	Snipe	1	11:35:00	45			45		PB4, (Cutover bog) Drumming, landed in wetland behind vp	

Map Reference No.	Date	VP	Species Name	No. of Birds	Time of flight	Duration of flight (s)	Band 1 (0-10m)	Band 2 (10-25m)	Band 3 PCH (25-175m)	Band 4 (>175m)	Notes on habitat and activity	Comments
SN024	14/07/2017	1	Snipe	1	09:02:00	10					GS4, (Wet grassland) Drumming in flight	
SN025	10/08/2017	1	Snipe	1	04:58:00	5		5				
SN026	10/08/2017	1	Snipe	1	05:09:00	5		5			GS4, (Wet grassland) flight Calling in	
SN027	10/08/2017	1	Snipe	1	05:11:00	10		10			GA1, (Improved agricultural grassland) PB4, (Cutover bog) Calling in flight	
SN028	10/08/2017	1	Snipe	1	07:30:00	28			28		Travelling, Calling	
SN029	10/08/2017	1	Snipe	4	07:33:00	128			128		GS4, (Wet grassland) FW2, (Deposting/upland rivers) GA1, (Improved agricultural grassland) Travelling, Calling	
SN030	10/08/2017	1	Snipe	4	07:35:00	134			134		GS4, (Wet grassland) FW2, (Deposting/upland rivers) GA1, (Improved agricultural grassland) Travelling, Calling	Two separate flocks of 4
SN031	10/08/2017	1	Snipe	5	08:28:00	47			47		GS4, (Wet grassland) FW2, (Deposting/upland rivers) Travelling	
SN032	10/08/2017	1	Snipe	4	09:19:00	58		58			GS4, (Wet grassland) FW2, (Deposting/upland rivers) Travelling	Landed GS4
SN033	06/09/2017	11	Snipe	7	16:20:00	124			124		PB4, (Cutover bog) Travelling, Calling	Landed PB1
SN034	06/09/2017	11	Snipe	2	20:37:00	9		9			PB4, (Cutover bog) flight Calling in	Not seen
SN035	06/09/2017	11	Snipe	1	20:41:00	5		5			PB4, (Cutover bog) flight Calling in	Not seen
SN036	13/09/2017	5	Snipe	1	20:40:00	20		20			PB4, (Cutover bog) Calling Travelling,	
SN037	14/09/2017	3	Snipe	1	20:26:00	28		28			calling	
SN038	15/09/2017	4	Snipe	10	18:32:00	95					PB4, (Cutover bog) Travelling	

Map Reference No.	Date	VP	Species Name	No. of Birds	Time of flight	Duration of flight (s)	Band 1 (0-10m)	Band 2 (10-25m)	Band 3 PCH (25-175m)	Band 4 (>175m)	Notes on habitat and activity	Comments
SN039	18/09/2017	2	Snipe	1	20:22:00	5			5		FW2, (Depositing/upland rivers) travelling	heard only
SN040	19/09/2017	1	Snipe	9	15:37:00	126		126			GS4, (Wet grassland) PB4, (Cutover bog) travelling	
SN041	19/09/2017	1	Snipe	1	16:49:00	14		14			GS4, (Wet grassland) travelling	
SN042	19/09/2017	1	Snipe	1	18:29:00	5	5				GS4, (Wet grassland) travelling	
SN043	19/09/2017	1	Snipe	1	20:13:00	5		5			GS4, (Wet grassland) travelling	heard only
WM001	20/04/2017	1	Whimbrel	12	18:49:00	75			75		FW2, (Depositing/upland rivers) GA1, (Improved agricultural grassland) Travelling	
WM002	20/04/2017	1	Whimbrel	3	19:22:00	10	10				GA1, (Improved agricultural grassland) Travelling	
WM003	06/05/2017	3	Whimbrel	3	05:41:00	30			30		WN7, (Bog woodland) PB4, (Cutover bog) Travelling	
WM004	06/05/2017	3	Whimbrel	1	06:07:00	40			40		PB4, (Cutover bog) WN7, (Bog woodland) Travelling	
CU001	03/08/2017	10	Curlew	4	04:58:00	60			60		PB4, (Cutover bog) Travelling, Calling	Heard only
CU002	03/08/2017	10	Curlew	2	05:01:00	80			80		PB4, (Cutover bog) Travelling, Calling	Heard only
CU003	03/08/2017	10	Curlew	2	05:05:00	58		58			PB4, (Cutover bog) Mixed broadleaved/conifer woodland Travelling, Calling	Heard only
CU004	03/08/2017	10	Curlew	2	05:08:00	35			35		PB4, (Cutover bog) Travelling, Calling	Heard only
CU005	03/08/2017	10	Curlew	2	05:12:00	56		56			PB4, (Cutover bog) Mixed broadleaved/conifer woodland Travelling, Calling	Heard only
CU006	10/08/2017	1	Curlew	1	07:13:00	102		102			Travelling, Calling	
CU007	11/08/2017	2	Curlew	1	09:38:00	94			94		FW2, (Depositing/upland rivers) FS1, (Reed and large sedge swamps) Mixed broadleaved/conifer woodland Travelling, Calling	

Map Reference No.	Date	VP	Species Name	No. of Birds	Time of flight	Duration of flight (s)	Band 1 (0-10m)	Band 2 (10-25m)	Band 3 PCH (25-175m)	Band 4 (>175m)	Notes on habitat and activity	Comments
RK001	12/05/2017	1	Redshank	1	07:59:00	25			25		GS4, (Wet grassland) FW2, (Depositing/upland rivers) Travelling, Flight Call	
BH001	11/04/2017	6	Black-headed Gull	1	11:44:00	47	0	47	0	0	PB4, (Cutover bog) Travelling	
BH002	11/04/2017	6	Black-headed Gull	5	15:02:00	62	0	0	62	0	PB4, (Cutover bog) Travelling	
BH003	19/04/2017	1	Black-headed Gull	6	16:59:00	90			90		GA1, (Improved agricultural grassland) PB4, (Cutover bog) Travelling	
BH004	20/04/2017	1	Black-headed Gull	12	17:02:00	58			58		GA1, (Improved agricultural grassland) (Mixed) broadleaved woodland Travelling	
BH005	20/04/2017	1	Black-headed Gull	1	18:04:00	10			10		WD4, (Conifer plantation) FW2, (Depositing/upland rivers) Travelling	
BH006	20/04/2017	1	Black-headed Gull	1	19:08:00	98			98		PB4, (Cutover bog) (Mixed) broadleaved woodland GA1, (Improved agricultural grassland) Travelling	
BH007	20/04/2017	1	Black-headed Gull	12	20:30:00	126			126		GA1, (Improved agricultural grassland) PB4, (Cutover bog) WD4, (Conifer plantation) Travelling	
BH008	20/04/2017	1	Black-headed Gull	8	20:48:00	32		32			FW2, (Depositing/upland rivers) GA1, (Improved agricultural grassland) WD4, (Conifer plantation) Travelling	
BH009	27/04/2017	4	Black-headed Gull	1	16:20:00	98				98	PB4, (Cutover bog) WN7, (Bog woodland) Travelling	
BH010	27/04/2017	4	Black-headed Gull	2	16:51:00	15			15		WD4, (Conifer plantation) WN7, (Bog woodland) Travelling	
BH011	28/04/2017	5	Black-headed Gull	2	17:49:00	64	0	64	0	0	PB4, (Cutover bog) WS, (Scrub/transitional woodland) Travelling	

Map Reference No.	Date	VP	Species Name	No. of Birds	Time of flight	Duration of flight (s)	Band 1 (0-10m)	Band 2 (10-25m)	Band 3 PCH (25-175m)	Band 4 (>175m)	Notes on habitat and activity	Comments
BH012	28/04/2017	5	Black-headed Gull	1	18:16:00	138	0	0	138	0	PB4, (Cutover bog) WS, (Scrub/transitional woodland) Travelling	
BH013	06/05/2017	3	Black-headed Gull	1	07:09:00	66		60			PB4, (Cutover bog) WN7, (Bog woodland) Travelling	
BH014	06/05/2017	3	Black-headed Gull	2	07:25:00	15		15			PB4, (Cutover bog) WN7, (Bog woodland) Travelling	
BH015	07/05/2017	4	Black-headed Gull	1	06:15:00	90			90		PB4, (Cutover bog) GA1, (Improved agricultural grassland) WN7, (Bog woodland) Travelling	
BH016	08/05/2017	5	Black-headed Gull	1	07:00:00	66		66			PB4, (Cutover bog) WN7, (Bog woodland) Travelling	
BH017	08/05/2017	5	Black-headed Gull	2	07:09:00	130		130			PB4, (Cutover bog) WN7, (Bog woodland) Travelling	
BH018	08/05/2017	5	Black-headed Gull	3	08:16:00	53		53			PB4, (Cutover bog) WN7, (Bog woodland) Travelling	
BH019	08/05/2017	5	Black-headed Gull	1	08:47:00	141	30	111			PB4, (Cutover bog) WN7, (Bog woodland) Travelling	
BH020	09/05/2017	2	Black-headed Gull	1	05:34:00	60		60			FW2, (Depositing/upland rivers) Travelling	
BH021	09/05/2017	2	Black-headed Gull	1	07:12:00	42	42				FW2, (Depositing/upland rivers) Travelling	
BH022	09/05/2017	2	Black-headed Gull	3	07:19:00	46		46			FW2, (Depositing/upland rivers) Travelling	
BH023	09/05/2017	2	Black-headed Gull	1	07:20:00	37		37			FW2, (Depositing/upland rivers) Travelling	
BH024	09/05/2017	2	Black-headed Gull	2	07:33:00	48		48			FW2, (Depositing/upland rivers) Travelling	
BH025	09/05/2017	2	Black-headed Gull	1	08:15:00	80	15	65			FW2, (Depositing/upland rivers) Travelling	
BH026	09/05/2017	2	Black-headed Gull	1	08:29:00	106		106			FW2, (Depositing/upland rivers) Travelling	
BH027	09/05/2017	2	Black-headed Gull	2	08:53:00	37		37			FW2, (Depositing/upland rivers) Travelling	

Map Reference No.	Date	VP	Species Name	No. of Birds	Time of flight	Duration of flight (s)	Band 1 (0-10m)	Band 2 (10-25m)	Band 3 PCH (25-175m)	Band 4 (>175m)	Notes on habitat and activity	Comments
BH028	09/05/2017	2	Black-headed Gull	2	09:25:00	35					FW2, (Depositing/upland rivers) Travelling	
BH029	09/05/2017	2	Black-headed Gull	3	09:52:00	40		40			FW2, (Depositing/upland rivers) Travelling	
BH030	09/05/2017	2	Black-headed Gull	1	09:58:00	15		15			FW2, (Depositing/upland rivers) Travelling	
BH031	09/05/2017	2	Black-headed Gull	1	10:21:00	20		20			FW2, (Depositing/upland rivers) Travelling	
BH032	09/05/2017	2	Black-headed Gull	1	10:22:00	68		68			FW2, (Depositing/upland rivers) Travelling	
BH033	09/05/2017	2	Black-headed Gull	1	10:46:00	135	135				FW2, (Depositing/upland rivers) Travelling, Foraging	
BH034	10/05/2017	6	Black-headed Gull	2	06:08:00	82		82			PB4, (Cutover bog) (Mixed) broadleaved woodland Travelling	
BH035	10/05/2017	6	Black-headed Gull	1	06:18:00	60		60			PB4, (Cutover bog) (Mixed) broadleaved woodland Travelling	
BH036	10/05/2017	6	Black-headed Gull	1	07:08:00	20		20			PB4, (Cutover bog) (Mixed) broadleaved woodland Travelling	
BH037	10/05/2017	6	Black-headed Gull	1	08:27:00	81		81			PB4, (Cutover bog) (Mixed) broadleaved woodland Travelling	
BH038	12/05/2017	1	Black-headed Gull	6	05:54:00	51		51			FW2, (Depositing/upland rivers) Travelling	
BH039	12/05/2017	1	Black-headed Gull	1	06:39:00	47		47			FW2, (Depositing/upland rivers) Travelling	
BH040	12/05/2017	1	Black-headed Gull	1	07:46:00	40		40			GS4, (Wet grassland) Travelling	
BH041	12/05/2017	1	Black-headed Gull	1	09:17:00	5	5				FW2, (Depositing/upland rivers) Travelling	
BH042	12/05/2017	1	Black-headed Gull	1	09:22:00	110			110		GS4, (Wet grassland) (Mixed) broadleaved woodland Travelling	
BH043	12/05/2017	1	Black-headed Gull	1	11:05:00	5	5				FW2, (Depositing/upland rivers) Travelling	

Map Reference No.	Date	VP	Species Name	No. of Birds	Time of flight	Duration of flight (s)	Band 1 (0-10m)	Band 2 (10-25m)	Band 3 PCH (25-175m)	Band 4 (>175m)	Notes on habitat and activity	Comments
BH044	23/05/2017	9	Black-headed Gull	1	09:13:00	10					PB4, (Cutover bog) Mixed broadleaved/conifer woodland Travelling	
BH045	23/05/2017	9	Black-headed Gull	1	09:29:00	49	40	9			PB4, (Cutover bog) WN7, (Bog woodland) Travelling	
BH046	24/05/2017	8	Black-headed Gull	1	08:42:00	30		30			PB4, (Cutover bog) Mixed broadleaved/conifer woodland WN7, (Bog woodland) Travelling	
BH047	24/05/2017	8	Black-headed Gull	1	09:13:00	51		51			PB4, (Cutover bog) WN7, (Bog woodland) Travelling	
BH048	25/05/2017	7	Black-headed Gull	1	08:29:00	90		90			PB4, (Cutover bog) WN7, (Bog woodland) GA1, (Improved agricultural grassland) Travelling	
BH049	14/06/2017	11	Black-headed Gull	1	11:15:00	20					PB4, (Cutover bog) Mixed broadleaved/conifer woodland Feeding in Field	
BH050	15/06/2017	6	Black-headed Gull	1	11:47:00	84	14	70			WN7, (Bog woodland) PB4, (Cutover bog) Travelling	
BH051	15/06/2017	6	Black-headed Gull	1	13:00:00	50	10	40			PB4, (Cutover bog) WN7, (Bog woodland) GA1, (Improved agricultural grassland) Travelling	
BH052	15/06/2017	6	Black-headed Gull	2	14:20:00	67		67			PB4, (Cutover bog) WN7, (Bog woodland) Travelling	
BH053	15/06/2017	6	Black-headed Gull	2	15:07:00	40		40			PB4, (Cutover bog) WN7, (Bog woodland) Travelling	1 Fresh Juvenile
BH054	15/06/2017	8	Black-headed Gull	1	09:40:00	25		25			PB4, (Cutover bog) Mixed broadleaved/conifer woodland GA1, (Improved agricultural grassland) Travelling	
BH055	17/06/2017	4	Black-headed Gull	6	09:36:00	98		98			PB4, (Cutover bog) WN7, (Bog woodland) Travelling	
BH056	17/06/2017	4	Black-headed Gull	2	10:09:00	15		15			WN7, (Bog woodland) PB4, (Cutover bog) Travelling	

Map Reference No.	Date	VP	Species Name	No. of Birds	Time of flight	Duration of flight (s)	Band 1 (0-10m)	Band 2 (10-25m)	Band 3 PCH (25-175m)	Band 4 (>175m)	Notes on habitat and activity	Comments
BH057	20/06/2017	1	Black-headed Gull	1	09:55:00	48	48				FW2, (Depositing/upland rivers) Travelling, Feeding	
BH058	20/06/2017	1	Black-headed Gull	1	10:37	5			5		FW2, (Depositing/upland rivers) Travelling	
BH059	20/06/2017	1	Black-headed Gull	1	11:13:00	48		48			FW2, (Depositing/upland rivers) Travelling	
BH060	20/06/2017	1	Black-headed Gull	1	11:17:00	3		3			FW2, (Depositing/upland rivers) Travelling	
BH061	20/06/2017	1	Black-headed Gull	1	11:23:00	70	70				FW2, (Depositing/upland rivers) Travelling	
BH062	20/06/2017	1	Black-headed Gull	1	11:28:00	64	64				FW2, (Depositing/upland rivers) Travelling, Feeding	
BH063	20/06/2017	1	Black-headed Gull	1	13:11:00	20		20			FW2, (Depositing/upland rivers) Travelling	
BH064	20/06/2017	1	Black-headed Gull	1	15:00:00	16		16			FW2, (Depositing/upland rivers) Travelling	
BH065	20/06/2017	1	Black-headed Gull	2	15:03:00	88		88			FW2, (Depositing/upland rivers) Travelling	
BH066	21/06/2017	2	Black-headed Gull	1	09:21:00	120	120				FW2, (Depositing/upland rivers) Travelling, Feeding	
BH067	21/06/2017	2	Black-headed Gull	1	09:55:00	55		55			FW2, (Depositing/upland rivers) Travelling	
BH068	21/06/2017	2	Black-headed Gull	1	10:00:00	44	44				FW2, (Depositing/upland rivers) Travelling	
BH069	21/06/2017	2	Black-headed Gull	1	10:12:00	84		84			FW2, (Depositing/upland rivers) Travelling	
BH070	21/06/2017	2	Black-headed Gull	1	10:20:00	79		79			FW2, (Depositing/upland rivers) Travelling	
BH071	21/06/2017	2	Black-headed Gull	3	10:42:00	97		97			FW2, (Depositing/upland rivers) Travelling	
BH072	21/06/2017	2	Black-headed Gull	7	10:50:00	88		88			FW2, (Depositing/upland rivers) (Mixed) broadleaved woodland Travelling	

Map Reference No.	Date	VP	Species Name	No. of Birds	Time of flight	Duration of flight (s)	Band 1 (0-10m)	Band 2 (10-25m)	Band 3 PCH (25-175m)	Band 4 (>175m)	Notes on habitat and activity	Comments
BH073	21/06/2017	2	Black-headed Gull	1	11:50:00	62					FW2, (Depositing/upland rivers) Travelling	
BH074	21/06/2017	2	Black-headed Gull	1	11:51:00	89					FW2, (Depositing/upland rivers) Travelling	
BH075	21/06/2017	2	Black-headed Gull	1	11:56:00	69					FW2, (Depositing/upland rivers) Travelling	
BH076	21/06/2017	2	Black-headed Gull	1	12:38:00	41					FW2, (Depositing/upland rivers) Travelling	
BH077	21/06/2017	2	Black-headed Gull	1	12:42:00	61					FW2, (Depositing/upland rivers) Travelling	
BH078	21/06/2017	2	Black-headed Gull	1	12:50:00	75					FW2, (Depositing/upland rivers) Travelling	
BH079	21/06/2017	2	Black-headed Gull	1	13:22:00	85					FW2, (Depositing/upland rivers) (Mixed) broadleaved woodland Travelling	
BH080	21/06/2017	2	Black-headed Gull	1	14:58:00	88	88				FW2, (Depositing/upland rivers) Travelling	
BH081	04/07/2017	10	Black-headed Gull	1	11:46:00	168		168			PB4, (Cutover bog) WN7, (Bog woodland) GA1, (Improved agricultural grassland) Travelling	
BH082	11/07/2017	4	Black-headed Gull	1	10:13:00	38		38			(Mixed) broadleaved woodland GA1, (Improved agricultural grassland) Travelling	
BH083	14/07/2017	1	Black-headed Gull	1	09:20:00	8		8			FW2, (Depositing/upland rivers) Travelling	
BH084	14/07/2017	1	Black-headed Gull	1	10:36:00	31		31			GA1, (Improved agricultural grassland) (Mixed) broadleaved woodland Travelling	
BH085	15/07/2017	2	Black-headed Gull	1	09:28:00	30	30				FW2, (Depositing/upland rivers) Travelling	
BH086	15/07/2017	2	Black-headed Gull	1	11:36:00	63		63			FW2, (Depositing/upland rivers) Travelling	
BH087	15/07/2017	2	Black-headed Gull	1	12:33:00	31		31			FW2, (Depositing/upland rivers) Travelling	

Map Reference No.	Date	VP	Species Name	No. of Birds	Time of flight	Duration of flight (s)	Band 1 (0-10m)	Band 2 (10-25m)	Band 3 PCH (25-175m)	Band 4 (>175m)	Notes on habitat and activity	Comments
BH088	15/07/2017	2	Black-headed Gull	1	13:00:00	89		89			FW2, (Depositing/upland rivers) Travelling	
BH089	17/07/2017	5	Black-headed Gull	1	10:07:00	29		29			(Mixed) broadleaved woodland GA1, (Improved agricultural grassland) Travelling	
BH090	18/09/2017	2	Black-headed Gull	4	16:16:00	56		56			(Mixed) broadleaved woodland travelling	all 1cy
CM001	20/06/2017	1	Common Gull	1	12:07:00	151				151	GA1, (Improved agricultural grassland) (Mixed) broadleaved woodland Travelling	
LB002	11/04/2017	2	Lesser Black-backed Gull	1	11:50:00	40		40			WD4, (Conifer plantation) Mixed broadleaved/conifer woodland Travelling	
LB003	11/04/2017	2	Lesser Black-backed Gull	1	12:25:00	30		30			WD4, (Conifer plantation) Mixed broadleaved/conifer woodland travelling	
LB004	11/04/2017	2	Lesser Black-backed Gull	1	12:50:00	40					WD4, (Conifer plantation) Mixed broadleaved/conifer woodland Feeding on river	
LB005	11/04/2017	2	Lesser Black-backed Gull	1	14:30:00	65		65			WD4, (Conifer plantation) Mixed broadleaved/conifer woodland Travelling	
LB006	11/04/2017	2	Lesser Black-backed Gull	2	14:40:00	70			70		WD4, (Conifer plantation) Mixed broadleaved/conifer woodland Travelling	
LB007	11/04/2017	2	Lesser Black-backed Gull	2	15:45:00	70			70		WD4, (Conifer plantation) Mixed broadleaved/conifer woodland Travelling	
LB008	11/04/2017	2	Lesser Black-backed Gull	2	16:05:00	30		30			WD4, (Conifer plantation) Mixed broadleaved/conifer woodland Travelling	
LB009	11/04/2017	6	Lesser Black-backed Gull	10	10:03:00	38	0	38	0	0	PB4, (Cutover bog) Travelling	

Map Reference No.	Date	VP	Species Name	No. of Birds	Time of flight	Duration of flight (s)	Band 1 (0-10m)	Band 2 (10-25m)	Band 3 PCH (25-175m)	Band 4 (>175m)	Notes on habitat and activity	Comments
LB010	11/04/2017	6	Lesser Black-backed Gull	5	11:32:00	62	0	0	62	0	PB4, (Cutover bog) Travelling	
LB011	11/04/2017	6	Lesser Black-backed Gull	2	13:24:00	44	0	0	44	0	PB4, (Cutover bog) Travelling	
LB012	11/04/2017	6	Lesser Black-backed Gull	2	14:10:00	53	0	53	0	0	PB4, (Cutover bog) Travelling	
LB013	11/04/2017	6	Lesser Black-backed Gull	1	15:17:00	36	0	36	0	0	PB4, (Cutover bog) Travelling	
LB014	11/04/2017	11	Lesser Black-backed Gull	1	10:11:00	159			159		Mixed broadleaved/conifer woodland PB4, (Cutover bog) Travelling	
LB015	11/04/2017	11	Lesser Black-backed Gull	3	13:22:00	189		70	119		PB4, (Cutover bog) Mixed broadleaved/conifer woodland Travelling	
LB016	11/04/2017	11	Lesser Black-backed Gull	2	13:39:00	105			105		PB4, (Cutover bog) Mixed broadleaved/conifer woodland Travelling	
LB017	11/04/2017	11	Lesser Black-backed Gull	1	16:14:00	64		64			Mixed broadleaved/conifer woodland Travelling	
LB018	12/04/2017	7	Lesser Black-backed Gull	6	12:53:00	56	0	56	0	0	PB4, (Cutover bog) Travelling	
LB019	12/04/2017	10	Lesser Black-backed Gull	1	10:50:00	76			76		PB4, (Cutover bog) Mixed broadleaved/conifer woodland Travelling	
LB020	12/04/2017	10	Lesser Black-backed Gull	1	12:25:00	25		25			PB4, (Cutover bog) Travelling	
LB021	12/04/2017	10	Lesser Black-backed Gull	1	13:11:00	40			40		PB4, (Cutover bog) Mixed broadleaved/conifer woodland Travelling	
LB022	19/04/2017	1	Lesser Black-backed Gull	1	16:06:00	128	128				FW2, (Depositing/upland rivers) Travelling	
LB023	19/04/2017	1	Lesser Black-backed Gull	4	16:12:00	75			75		FW2, (Depositing/upland rivers) Travelling	

Map Reference No.	Date	VP	Species Name	No. of Birds	Time of flight	Duration of flight (s)	Band 1 (0-10m)	Band 2 (10-25m)	Band 3 PCH (25-175m)	Band 4 (>175m)	Notes on habitat and activity	Comments
LB024	19/04/2017	1	Lesser Black-backed Gull	2	16:24:00	130			130		GA1, (Improved agricultural grassland) PB4, (Cutover bog) Travelling	
LB025	19/04/2017	1	Lesser Black-backed Gull	2	16:27:00	84			84		GA1, (Improved agricultural grassland) PB4, (Cutover bog) Travelling	
LB026	19/04/2017	1	Lesser Black-backed Gull	7	16:31:00	25			25		GA1, (Improved agricultural grassland) PB4, (Cutover bog) Travelling	
LB027	19/04/2017	1	Lesser Black-backed Gull	24	16:34:00	76			50		GA1, (Improved agricultural grassland) PB4, (Cutover bog) Travelling	
LB028	19/04/2017	1	Lesser Black-backed Gull	3	16:36:00	24			20		GA1, (Improved agricultural grassland) PB4, (Cutover bog) Travelling	
LB029	19/04/2017	1	Lesser Black-backed Gull	1	16:42:00	50			50		GA1, (Improved agricultural grassland) FW2, (Depositing/upland rivers) Travelling	
LB030	19/04/2017	1	Lesser Black-backed Gull	1	16:47:00	145			145		(Mixed) broadleaved woodland GA1, (Improved agricultural grassland) Travelling	
LB031	19/04/2017	1	Lesser Black-backed Gull	1	16:54:00	50			50		GA1, (Improved agricultural grassland) FW2, (Depositing/upland rivers) PB4, (Cutover bog) Travelling	
LB032	19/04/2017	1	Lesser Black-backed Gull	8	16:58:00	55			55		GA1, (Improved agricultural grassland) (Mixed) broadleaved woodland Travelling	
LB033	20/04/2017	1	Lesser Black-backed Gull	2	16:14:00	123		123			FW2, (Depositing/upland rivers) GA1, (Improved agricultural grassland) Travelling	

Map Reference No.	Date	VP	Species Name	No. of Birds	Time of flight	Duration of flight (s)	Band 1 (0-10m)	Band 2 (10-25m)	Band 3 PCH (25-175m)	Band 4 (>175m)	Notes on habitat and activity	Comments
LB034	20/04/2017	1	Lesser Black-backed Gull	1	16:25:00	172		122	50		PB4, (Cutover bog) GA1, (Improved agricultural grassland) FW2, (Depositing/upland rivers) Travelling	
LB035	20/04/2017	1	Lesser Black-backed Gull	1	16:35:00	56		56			GA1, (Improved agricultural grassland) Travelling	
LB036	20/04/2017	1	Lesser Black-backed Gull	1	16:50:00	41		41			GA1, (Improved agricultural grassland) FW2, (Depositing/upland rivers) Travelling	
LB037	20/04/2017	1	Lesser Black-backed Gull	1	16:57:00	35			35		GA1, (Improved agricultural grassland) Travelling	
LB038	20/04/2017	1	Lesser Black-backed Gull	1	16:58:00	31			31		GA1, (Improved agricultural grassland) WD4, (Conifer plantation) Travelling	
LB039	20/04/2017	1	Lesser Black-backed Gull	1	17:00:00	3	3				FW2, (Depositing/upland rivers) Travelling	
LB040	20/04/2017	1	Lesser Black-backed Gull	2	17:02:00	58			58		GA1, (Improved agricultural grassland) (Mixed) broadleaved woodland Travelling	
LB041	20/04/2017	1	Lesser Black-backed Gull	2	17:05:00	24		24			GA1, (Improved agricultural grassland) Travelling	
LB042	20/04/2017	1	Lesser Black-backed Gull	1	17:10:00	63			63		GA1, (Improved agricultural grassland) (Mixed) broadleaved woodland Travelling	
LB043	20/04/2017	1	Lesser Black-backed Gull	1	17:14:00	76	60	16			GA1, (Improved agricultural grassland) FW2, (Depositing/upland rivers) Travelling	
LB044	20/04/2017	1	Lesser Black-backed Gull	1	17:47:00	20			20		PB4, (Cutover bog) (Mixed) broadleaved woodland GA1, (Improved agricultural grassland) Travelling	

Map Reference No.	Date	VP	Species Name	No. of Birds	Time of flight	Duration of flight (s)	Band 1 (0-10m)	Band 2 (10-25m)	Band 3 PCH (25-175m)	Band 4 (>175m)	Notes on habitat and activity	Comments
LB045	20/04/2017	1	Lesser Black-backed Gull	1	17:52:00	92		92			FW2, (Depositing/upland rivers) WD4, (Conifer plantation) GA1, (Improved agricultural grassland) Travelling	
LB046	20/04/2017	1	Lesser Black-backed Gull	1	18:02:00	80			80		GA1, (Improved agricultural grassland) (Mixed) broadleaved woodland Travelling	
LB047	20/04/2017	1	Lesser Black-backed Gull	1	18:05:00	6		6			GA1, (Improved agricultural grassland) FW2, (Depositing/upland rivers) Travelling	
LB048	20/04/2017	1	Lesser Black-backed Gull	2	18:56:00	16		16			WD4, (Conifer plantation) FW2, (Depositing/upland rivers) Travelling	
LB049	20/04/2017	1	Lesser Black-backed Gull	2	18:59:00	55		55			PB4, (Cutover bog) GA1, (Improved agricultural grassland) Travelling	
LB050	20/04/2017	1	Lesser Black-backed Gull	1	19:04:00	39		39			WD4, (Conifer plantation) Travelling	
LB051	20/04/2017	1	Lesser Black-backed Gull	1	19:30:00	70		70			GA1, (Improved agricultural grassland) PB4, (Cutover bog) Travelling	
LB052	20/04/2017	1	Lesser Black-backed Gull	2	19:33:00	140			140		GA1, (Improved agricultural grassland) WD4, (Conifer plantation) Travelling	
LB053	20/04/2017	1	Lesser Black-backed Gull	1	19:50:00	80		80			FW2, (Depositing/upland rivers) GA1, (Improved agricultural grassland) WD4, (Conifer plantation) Travelling	
LB054	20/04/2017	1	Lesser Black-backed Gull	1	20:15:00	37			37		GA1, (Improved agricultural grassland) PB4, (Cutover bog) WD4, (Conifer plantation) Travelling	
LB055	20/04/2017	1	Lesser Black-backed Gull	1	20:19:00	43		43			FW2, (Depositing/upland rivers) Travelling	

Map Reference No.	Date	VP	Species Name	No. of Birds	Time of flight	Duration of flight (s)	Band 1 (0-10m)	Band 2 (10-25m)	Band 3 PCH (25-175m)	Band 4 (>175m)	Notes on habitat and activity	Comments
LB056	20/04/2017	1	Lesser Black-backed Gull	4	20:24:00	75			75		WD4, (Conifer plantation) FW2, (Depositing/upland rivers) PB4, (Cutover bog) Travelling	
LB057	20/04/2017	1	Lesser Black-backed Gull	1	20:29:00	40			40		FW2, (Depositing/upland rivers) WD4, (Conifer plantation) Travelling	
LB058	20/04/2017	1	Lesser Black-backed Gull	8	21:08:00	15			15		(Mixed) broadleaved woodland PB4, (Cutover bog) Travelling	
LB059	24/04/2017	3	Lesser Black-backed Gull	1	15:46:00	40			40		FW2, (Depositing/upland rivers) (Mixed) broadleaved woodland Travelling	
LB060	24/04/2017	3	Lesser Black-backed Gull	1	15:47:00	60			60		PB4, (Cutover bog) (Mixed) broadleaved woodland WN7, (Bog woodland) Travelling	
LB061	24/04/2017	3	Lesser Black-backed Gull	3	15:47:00	106			106		PB4, (Cutover bog) Travelling	
LB062	24/04/2017	3	Lesser Black-backed Gull	1	15:51:00	154			154		PB4, (Cutover bog) WN7, (Bog woodland) Travelling	
LB063	24/04/2017	3	Lesser Black-backed Gull	1	15:56:00	56			56		PB4, (Cutover bog) WN7, (Bog woodland) GA1, (Improved agricultural grassland) Travelling	
LB064	24/04/2017	3	Lesser Black-backed Gull	1	16:37:00	19			19		PB4, (Cutover bog) GA1, (Improved agricultural grassland) WN7, (Bog woodland) Travelling	
LB065	24/04/2017	3	Lesser Black-backed Gull	1	16:43:00	48			48		GA1, (Improved agricultural grassland) (Mixed) broadleaved woodland Travelling	
LB066	24/04/2017	3	Lesser Black-backed Gull	1	17:05:00	58			58		PB4, (Cutover bog) WN7, (Bog woodland) Travelling	
LB067	24/04/2017	3	Lesser Black-backed Gull	1	17:25:00	104			14	90	PB4, (Cutover bog) (Mixed) broadleaved woodland GA1, (Improved agricultural grassland) Travelling	

Map Reference No.	Date	VP	Species Name	No. of Birds	Time of flight	Duration of flight (s)	Band 1 (0-10m)	Band 2 (10-25m)	Band 3 PCH (25-175m)	Band 4 (>175m)	Notes on habitat and activity	Comments
LB068	24/04/2017	3	Lesser Black-backed Gull	1	17:35:00	33			33		WN7, (Bog woodland) PB4, (Cutover bog) GA1, (Improved agricultural grassland) Travelling	
LB069	24/04/2017	3	Lesser Black-backed Gull	1	18:08:00	36			36		PB4, (Cutover bog) WN7, (Bog woodland) GA1, (Improved agricultural grassland) Travelling	
LB070	24/04/2017	3	Lesser Black-backed Gull	1	19:01:00	26			26		FW2, (Depositing/upland rivers) Travelling	
LB071	24/04/2017	3	Lesser Black-backed Gull	1	19:05:00	51			51		GA1, (Improved agricultural grassland) (Mixed) broadleaved woodland Travelling	
LB072	24/04/2017	3	Lesser Black-backed Gull	1	19:12:00	50			50		FW2, (Depositing/upland rivers) GA1, (Improved agricultural grassland) Travelling	
LB073	24/04/2017	3	Lesser Black-backed Gull	2	19:17:00	90				90	GA1, (Improved agricultural grassland) (Mixed) broadleaved woodland Travelling	
LB074	24/04/2017	3	Lesser Black-backed Gull	2	19:20:00	39			39		GA1, (Improved agricultural grassland) (Mixed) broadleaved woodland Travelling	
LB075	24/04/2017	3	Lesser Black-backed Gull	3	19:24:00	67			67		PB4, (Cutover bog) (Mixed) broadleaved woodland GA1, (Improved agricultural grassland) Travelling	
LB076	24/04/2017	3	Lesser Black-backed Gull	1	19:26:00	170			170		PB4, (Cutover bog) (Mixed) broadleaved woodland GA1, (Improved agricultural grassland) Travelling	
LB077	24/04/2017	3	Lesser Black-backed Gull	2	19:44:00	118			118		PB4, (Cutover bog) (Mixed) broadleaved woodland GA1, (Improved agricultural grassland) Travelling	

Map Reference No.	Date	VP	Species Name	No. of Birds	Time of flight	Duration of flight (s)	Band 1 (0-10m)	Band 2 (10-25m)	Band 3 PCH (25-175m)	Band 4 (>175m)	Notes on habitat and activity	Comments
LB078	24/04/2017	3	Lesser Black-backed Gull	3	19:50:00	92			92		PB4, (Cutover bog) (Mixed) broadleaved woodland GA1, (Improved agricultural grassland) Travelling	
LB079	24/04/2017	3	Lesser Black-backed Gull	1	19:57:00	157			157		PB4, (Cutover bog) (Mixed) broadleaved woodland GA1, (Improved agricultural grassland) Travelling	
LB080	24/04/2017	3	Lesser Black-backed Gull	1	20:04:00	41			41		PB4, (Cutover bog) (Mixed) broadleaved woodland GA1, (Improved agricultural grassland) Travelling	
LB081	24/04/2017	3	Lesser Black-backed Gull	2	20:05:00	82			82		PB4, (Cutover bog) (Mixed) broadleaved woodland GA1, (Improved agricultural grassland) Travelling	
LB082	24/04/2017	3	Lesser Black-backed Gull	1	20:10:00	140			140		GA1, (Improved agricultural grassland) PB4, (Cutover bog) WN7, (Bog woodland) Travelling	
LB083	24/04/2017	3	Lesser Black-backed Gull	2	20:13:00	160				160	GA1, (Improved agricultural grassland) PB4, (Cutover bog) WN7, (Bog woodland) Travelling	
LB084	24/04/2017	3	Lesser Black-backed Gull	1	20:21:00	42				42	PB4, (Cutover bog) WN7, (Bog woodland) Travelling	
LB085	24/04/2017	3	Lesser Black-backed Gull	1	20:27:00	65			65		(Mixed) broadleaved woodland GA1, (Improved agricultural grassland) Travelling	
LB086	24/04/2017	3	Lesser Black-backed Gull	2	20:35:00	138			138		PB4, (Cutover bog) (Mixed) broadleaved woodland Travelling	
LB087	24/04/2017	3	Lesser Black-backed Gull	3	20:39:00	52			52		PB4, (Cutover bog) WN7, (Bog woodland) Travelling	
LB088	24/04/2017	3	Lesser Black-backed Gull	2	20:50:00	45				45	PB4, (Cutover bog) WN7, (Bog woodland) Travelling	
LB089	24/04/2017	3	Lesser Black-backed Gull	1	20:55:00	109			109		PB4, (Cutover bog) WN7, (Bog woodland) Travelling	

Map Reference No.	Date	VP	Species Name	No. of Birds	Time of flight	Duration of flight (s)	Band 1 (0-10m)	Band 2 (10-25m)	Band 3 PCH (25-175m)	Band 4 (>175m)	Notes on habitat and activity	Comments
LB090	27/04/2017	4	Lesser Black-backed Gull	2	15:51:00	230			170	60	PB4, (Cutover bog) Woodland) Travelling	WN7, (Bog woodland) Travelling
LB091	27/04/2017	4	Lesser Black-backed Gull	1	15:59:00	159		129	30		PB4, (Cutover bog) Woodland) Travelling	WN7, (Bog woodland) Travelling
LB092	27/04/2017	4	Lesser Black-backed Gull	1	16:11:00	59			59		PB4, (Cutover bog) Woodland) Travelling	WN7, (Bog woodland) Travelling
LB093	27/04/2017	4	Lesser Black-backed Gull	2	16:17:00	65			65		PB4, (Cutover bog) Woodland) Travelling	WN7, (Bog woodland) Travelling
LB094	27/04/2017	4	Lesser Black-backed Gull	1	17:08:00	69		69			WD4, (Conifer plantation) Woodland) Travelling	WN7, (Bog woodland) PB4, (Cutover bog) Travelling
LB095	27/04/2017	4	Lesser Black-backed Gull	1	17:12:00	30			30		PB4, (Cutover bog) Woodland) Travelling	WN7, (Bog woodland) Travelling
LB096	27/04/2017	4	Lesser Black-backed Gull	1	17:15:00	35		35			WN7, (Bog woodland) Woodland) Travelling	WD4, (Conifer plantation) Travelling
LB097	27/04/2017	4	Lesser Black-backed Gull	2	17:28:00	30		30			Travelling	
LB098	27/04/2017	4	Lesser Black-backed Gull	1	17:30:00	93		93			PB4, (Cutover bog) Travelling	
LB099	27/04/2017	4	Lesser Black-backed Gull	1	17:38:00	10			10		PB4, (Cutover bog) Travelling	
LB100	27/04/2017	4	Lesser Black-backed Gull	1	17:44:00	39		39			PB4, (Cutover bog) Travelling	
LB101	27/04/2017	4	Lesser Black-backed Gull	1	18:01:00	103			103		PB4, (Cutover bog) Travelling	
LB102	27/04/2017	4	Lesser Black-backed Gull	1	18:09:00	51			51		PB4, (Cutover bog) Travelling	
LB103	27/04/2017	4	Lesser Black-backed Gull	1	18:15:00	118			118		PB4, (Cutover bog) Travelling	
LB104	27/04/2017	4	Lesser Black-backed Gull	1	19:04:00	8			8		PB4, (Cutover bog) Travelling	
LB105	27/04/2017	4	Lesser Black-backed Gull	2	19:14:00	43			43		PB4, (Cutover bog) Travelling	

Map Reference No.	Date	VP	Species Name	No. of Birds	Time of flight	Duration of flight (s)	Band 1 (0-10m)	Band 2 (10-25m)	Band 3 PCH (25-175m)	Band 4 (>175m)	Notes on habitat and activity	Comments
LB106	27/04/2017	4	Lesser Black-backed Gull	1	19:23:00	60			60		PB4, (Cutover bog) Travelling	
LB107	27/04/2017	4	Lesser Black-backed Gull	1	19:29:00	106			106		PB4, (Cutover bog) Travelling	
LB108	27/04/2017	4	Lesser Black-backed Gull	1	19:33:00	69			69		PB4, (Cutover bog) Travelling	
LB109	27/04/2017	4	Lesser Black-backed Gull	2	19:38:00	133			133		PB4, (Cutover bog) Travelling	
LB110	27/04/2017	4	Lesser Black-backed Gull	1	19:50:00	51			51		PB4, (Cutover bog) Travelling	
LB111	27/04/2017	4	Lesser Black-backed Gull	1	19:54:00	43				43	PB4, (Cutover bog) Travelling	
LB112	27/04/2017	4	Lesser Black-backed Gull	1	20:14:00	62			62		WN7, (Bog woodland) PB4, (Cutover bog) WD4, (Conifer plantation) Travelling	
LB113	27/04/2017	4	Lesser Black-backed Gull	2	20:16:00	58			58		WN7, (Bog woodland) WD4, (Conifer plantation) Travelling	
LB114	27/04/2017	4	Lesser Black-backed Gull	1	20:24:00	51			51		WN7, (Bog woodland) WD4, (Conifer plantation) Travelling	
LB115	27/04/2017	4	Lesser Black-backed Gull	4	20:32:00	110			110		WN7, (Bog woodland) WD4, (Conifer plantation) Travelling	
LB116	27/04/2017	4	Lesser Black-backed Gull	1	20:46:00	42			42		WN7, (Bog woodland) WD4, (Conifer plantation) PB4, (Cutover bog) Travelling	
LB117	27/04/2017	4	Lesser Black-backed Gull	4	20:50:00	79			79		WN7, (Bog woodland) WD4, (Conifer plantation) PB4, (Cutover bog) Travelling	
LB118	27/04/2017	4	Lesser Black-backed Gull	1	20:53:00	62			62		WN7, (Bog woodland) WD4, (Conifer plantation) PB4, (Cutover bog) Travelling	
LB119	28/04/2017	5	Lesser Black-backed Gull	1	15:56:00	168	0	0	168	0	PB4, (Cutover bog) WS, (Scrub/transitional woodland) Travelling	
LB120	28/04/2017	5	Lesser Black-backed Gull	2	16:41:00	179	0	179	0	0	PB4, (Cutover bog) WS, (Scrub/transitional woodland) Travelling	

Map Reference No.	Date	VP	Species Name	No. of Birds	Time of flight	Duration of flight (s)	Band 1 (0-10m)	Band 2 (10-25m)	Band 3 PCH (25-175m)	Band 4 (>175m)	Notes on habitat and activity	Comments
LB121	28/04/2017	5	Lesser Black-backed Gull	1	16:50:00	97	0	97	0	0	PB4, (Cutover bog) transitional woodland) Travelling	
LB122	28/04/2017	5	Lesser Black-backed Gull	6	16:58:00	137	0	137	0	0	PB4, (Cutover bog) transitional woodland) Travelling	
LB123	28/04/2017	5	Lesser Black-backed Gull	3	17:12:00	68	0	68	0	0	PB4, (Cutover bog) transitional woodland) Travelling	
LB124	28/04/2017	5	Lesser Black-backed Gull	2	17:22:00	96	0	0	96	0	PB4, (Cutover bog) transitional woodland) Travelling	
LB125	28/04/2017	5	Lesser Black-backed Gull	1	17:27:00	151	0	85	66	0	PB4, (Cutover bog) transitional woodland) Travelling	
LB126	28/04/2017	5	Lesser Black-backed Gull	3	17:33:00	48	0	48	0	0	PB4, (Cutover bog) transitional woodland) Travelling	
LB127	28/04/2017	5	Lesser Black-backed Gull	2	17:45:00	51	0	51	0	0	PB4, (Cutover bog) transitional woodland) Travelling	
LB128	28/04/2017	5	Lesser Black-backed Gull	1	18:03:00	133	0	133	0	0	PB4, (Cutover bog) transitional woodland) Travelling	
LB129	28/04/2017	5	Lesser Black-backed Gull	1	19:08:00	108	0	14	94	0	PB4, (Cutover bog) transitional woodland) Travelling	
LB130	28/04/2017	5	Lesser Black-backed Gull	6	19:22:00	98	0	98	0	0	PB4, (Cutover bog) transitional woodland) Travelling	
LB131	28/04/2017	5	Lesser Black-backed Gull	3	19:39:00	132	0	132	0	0	PB4, (Cutover bog) transitional woodland) Travelling	
LB132	28/04/2017	5	Lesser Black-backed Gull	2	19:44:00	33	0	33	0	0	PB4, (Cutover bog) transitional woodland) Travelling	
LB133	28/04/2017	5	Lesser Black-backed Gull	1	19:52:00	160	0	160	0	0	PB4, (Cutover bog) transitional woodland) Travelling	
LB134	28/04/2017	5	Lesser Black-backed Gull	2	20:04:00	74	0	74	0	0	PB4, (Cutover bog) transitional woodland) Travelling	
LB135	28/04/2017	5	Lesser Black-backed Gull	7	20:19:00	76	0	76	0	0	PB4, (Cutover bog) transitional woodland) Travelling	
LB136	28/04/2017	5	Lesser Black-backed Gull	1	21:04:00	93	0	0	93	0	PB4, (Cutover bog) transitional woodland) Travelling	

Map Reference No.	Date	VP	Species Name	No. of Birds	Time of flight	Duration of flight (s)	Band 1 (0-10m)	Band 2 (10-25m)	Band 3 PCH (25-175m)	Band 4 (>175m)	Notes on habitat and activity	Comments
LB137	06/05/2017	3	Lesser Black-backed Gull	8	05:04:00	50					PB4, (Cutover bog woodland) Travelling	WN7, (Bog woodland) Travelling
LB138	06/05/2017	3	Lesser Black-backed Gull	6	05:10:00	33					PB4, (Cutover bog woodland) Travelling	WN7, (Bog woodland) Travelling
LB139	06/05/2017	3	Lesser Black-backed Gull	7	05:14:00	83			83		PB4, (Cutover bog woodland) Travelling	WN7, (Bog woodland) Travelling
LB140	06/05/2017	3	Lesser Black-backed Gull	2	05:18:00	58					PB4, (Cutover bog woodland) Travelling	WN7, (Bog woodland) Travelling
LB141	06/05/2017	3	Lesser Black-backed Gull	5	05:21:00	80			80		PB4, (Cutover bog woodland) Travelling	WN7, (Bog woodland) Travelling
LB142	06/05/2017	3	Lesser Black-backed Gull	2	05:21:00	85			83		PB4, (Cutover bog woodland) Travelling	WN7, (Bog woodland) Travelling
LB143	06/05/2017	3	Lesser Black-backed Gull	2	05:28:00	60					PB4, (Cutover bog woodland) Travelling	WN7, (Bog woodland) Travelling
LB144	06/05/2017	3	Lesser Black-backed Gull	8	05:28:00	80					PB4, (Cutover bog woodland) Travelling	WN7, (Bog woodland) Travelling
LB145	06/05/2017	3	Lesser Black-backed Gull	1	05:38:00	174			174		WN7, (Bog woodland) Travelling	PB4, (Cutover bog) Travelling
LB146	06/05/2017	3	Lesser Black-backed Gull	9	05:41:00	70				70	WN7, (Bog woodland) Travelling	PB4, (Cutover bog) Travelling
LB147	06/05/2017	3	Lesser Black-backed Gull	2	05:42:00	25					WN7, (Bog woodland) Travelling	PB4, (Cutover bog) Travelling
LB148	06/05/2017	3	Lesser Black-backed Gull	4	05:52:00	45					PB4, (Cutover bog woodland) Travelling	WN7, (Bog woodland) Travelling
LB149	06/05/2017	3	Lesser Black-backed Gull	4	05:54:00	55					PB4, (Cutover bog woodland) Travelling	WN7, (Bog woodland) Travelling
LB150	06/05/2017	3	Lesser Black-backed Gull	1	06:04:00	35					PB4, (Cutover bog woodland) Travelling	WN7, (Bog woodland) Travelling
LB151	06/05/2017	3	Lesser Black-backed Gull	1	06:08:00	126			126		PB4, (Cutover bog woodland) Travelling	WN7, (Bog woodland) Travelling
LB152	06/05/2017	3	Lesser Black-backed Gull	2	06:13:00	60					PB4, (Cutover bog woodland) Travelling	WN7, (Bog woodland) Travelling
LB153	06/05/2017	3	Lesser Black-backed Gull	1	06:17:00	65					PB4, (Cutover bog woodland) Travelling	WN7, (Bog woodland) Travelling

Map Reference No.	Date	VP	Species Name	No. of Birds	Time of flight	Duration of flight (s)	Band 1 (0-10m)	Band 2 (10-25m)	Band 3 PCH (25-175m)	Band 4 (>175m)	Notes on habitat and activity	Comments
LB154	06/05/2017	3	Lesser Black-backed Gull	1	06:24:00	55					FW2, (Depositing/upland rivers) Travelling	
LB155	06/05/2017	3	Lesser Black-backed Gull	2	06:42:00	40		40			PB4, (Cutover bog) Travelling	WN7, (Bog woodland)
LB156	06/05/2017	3	Lesser Black-backed Gull	1	06:48:00	48		48			FW2, (Depositing/upland rivers) Travelling	
LB157	06/05/2017	3	Lesser Black-backed Gull	1	07:01:00	25		25			WN7, (Bog woodland) GA1, (Improved agricultural grassland) Travelling	
LB158	06/05/2017	3	Lesser Black-backed Gull	2	07:09:00	66		60			PB4, (Cutover bog) Travelling	WN7, (Bog woodland)
LB159	06/05/2017	3	Lesser Black-backed Gull	2	07:36:00	15		15			PB4, (Cutover bog) Travelling	WN7, (Bog woodland)
LB160	06/05/2017	3	Lesser Black-backed Gull	1	08:21:00	240		20	60	160	FW2, (Depositing/upland rivers) PB4, (Cutover bog) Travelling	WN7, (Bog woodland)
LB161	06/05/2017	3	Lesser Black-backed Gull	1	08:25:00	30			30		PB4, (Cutover bog) Travelling	WN7, (Bog woodland)
LB162	06/05/2017	3	Lesser Black-backed Gull	1	08:31:00	25			25		FW2, (Depositing/upland rivers) Travelling	
LB163	06/05/2017	3	Lesser Black-backed Gull	1	08:34:00	30		30			PB4, (Cutover bog) Travelling	
LB164	06/05/2017	3	Lesser Black-backed Gull	1	08:36:00	5		5			PB4, (Cutover bog) Travelling	
LB165	06/05/2017	3	Lesser Black-backed Gull	1	08:40:00	245				245	PB4, (Cutover bog) Travelling	
LB166	06/05/2017	3	Lesser Black-backed Gull	1	08:52:00	130				130	FW2, (Depositing/upland rivers) Travelling	
LB167	06/05/2017	3	Lesser Black-backed Gull	1	09:10:00	20			20		PB4, (Cutover bog) Travelling	
LB168	06/05/2017	3	Lesser Black-backed Gull	1	09:11:00	20			20		PB4, (Cutover bog) Travelling	

Map Reference No.	Date	VP	Species Name	No. of Birds	Time of flight	Duration of flight (s)	Band 1 (0-10m)	Band 2 (10-25m)	Band 3 PCH (25-175m)	Band 4 (>175m)	Notes on habitat and activity	Comments
LB169	06/05/2017	3	Lesser Black-backed Gull	1	09:15:00	115			15	100	PB4, (Cutover bog) WN7, (Bog woodland) FW2, (Depositing/upland rivers) Travelling	
LB170	06/05/2017	3	Lesser Black-backed Gull	1	09:29:00	70			70		FW2, (Depositing/upland rivers) Travelling	
LB171	06/05/2017	3	Lesser Black-backed Gull	1	09:34:00	30	15				PB4, (Cutover bog) WN7, (Bog woodland) Travelling	
LB172	06/05/2017	3	Lesser Black-backed Gull	1	09:46:00	45			30		PB4, (Cutover bog) WN7, (Bog woodland) Travelling	
LB173	06/05/2017	3	Lesser Black-backed Gull	1	09:46:00	10			10		PB4, (Cutover bog) WN7, (Bog woodland) Travelling	
LB174	06/05/2017	3	Lesser Black-backed Gull	2	10:02:00	55			55		PB4, (Cutover bog) WN7, (Bog woodland) Travelling	
LB175	06/05/2017	3	Lesser Black-backed Gull	2	10:19:00	40		40			FW2, (Depositing/upland rivers) Travelling	
LB176	06/05/2017	3	Lesser Black-backed Gull	2	10:21:00	110				110	FW2, (Depositing/upland rivers) WN7, (Bog woodland) Travelling	
LB177	06/05/2017	3	Lesser Black-backed Gull	1	10:55:00	10			10		PB4, (Cutover bog) WN7, (Bog woodland) Travelling	
LB178	07/05/2017	4	Lesser Black-backed Gull	11	05:12:00	15			15		PB4, (Cutover bog) WN7, (Bog woodland) GA1, (Improved agricultural grassland) Travelling	
LB179	07/05/2017	4	Lesser Black-backed Gull	1	05:30:00	36			36		PB4, (Cutover bog) WN7, (Bog woodland) GA1, (Improved agricultural grassland) Travelling	
LB180	07/05/2017	4	Lesser Black-backed Gull	1	05:31:00	62			62		PB4, (Cutover bog) WN7, (Bog woodland) GA1, (Improved agricultural grassland) Travelling	
LB181	07/05/2017	4	Lesser Black-backed Gull	1	05:37:00	45			45		PB4, (Cutover bog) WN7, (Bog woodland) GA1, (Improved agricultural grassland) Travelling	

Map Reference No.	Date	VP	Species Name	No. of Birds	Time of flight	Duration of flight (s)	Band 1 (0-10m)	Band 2 (10-25m)	Band 3 PCH (25-175m)	Band 4 (>175m)	Notes on habitat and activity	Comments
LB182	07/05/2017	4	Lesser Black-backed Gull	5	05:38:00	146			140		PB4, (Cutover bog) WN7, (Bog woodland) GA1, (Improved agricultural grassland) Travelling	
LB183	07/05/2017	4	Lesser Black-backed Gull	1	05:47:00	125			125		PB4, (Cutover bog) WN7, (Bog woodland) GA1, (Improved agricultural grassland) Travelling	
LB184	07/05/2017	4	Lesser Black-backed Gull	1	05:53:00	129			129		PB4, (Cutover bog) WN7, (Bog woodland) GA1, (Improved agricultural grassland) Travelling	
LB185	07/05/2017	4	Lesser Black-backed Gull	1	06:01:00	102			102		PB4, (Cutover bog) WN7, (Bog woodland) GA1, (Improved agricultural grassland) Travelling	
LB186	07/05/2017	4	Lesser Black-backed Gull	1	06:31:00	102			102		WD4, (Conifer plantation) PB4, (Cutover bog) Travelling	
LB187	07/05/2017	4	Lesser Black-backed Gull	1	06:46:00	88				88	PB4, (Cutover bog) Travelling	
LB188	07/05/2017	4	Lesser Black-backed Gull	1	07:10:00	68			18		PB4, (Cutover bog) WN7, (Bog woodland) Travelling	
LB189	07/05/2017	4	Lesser Black-backed Gull	1	07:10:00	50			50		PB4, (Cutover bog) WN7, (Bog woodland) Travelling	
LB190	07/05/2017	4	Lesser Black-backed Gull	1	07:16:00	86			86		PB4, (Cutover bog) WN7, (Bog woodland) Travelling	
LB191	07/05/2017	4	Lesser Black-backed Gull	1	07:20:00	115			115		PB4, (Cutover bog) WN7, (Bog woodland) Travelling	
LB192	07/05/2017	4	Lesser Black-backed Gull	1	07:27:00	134				134	PB4, (Cutover bog) WN7, (Bog woodland) Travelling	
LB193	07/05/2017	4	Lesser Black-backed Gull	1	07:32:00	33				33	PB4, (Cutover bog) WN7, (Bog woodland) Travelling	
LB194	07/05/2017	4	Lesser Black-backed Gull	3	07:41:00	55					PB4, (Cutover bog) WN7, (Bog woodland) Travelling	
LB195	07/05/2017	4	Lesser Black-backed Gull	1	08:14:00	36					PB4, (Cutover bog) WD4, (Conifer plantation) Travelling	
LB196	07/05/2017	4	Lesser Black-backed Gull	5	08:20:00	45					PB4, (Cutover bog) WN7, (Bog woodland) Travelling	

Map Reference No.	Date	VP	Species Name	No. of Birds	Time of flight	Duration of flight (s)	Band 1 (0-10m)	Band 2 (10-25m)	Band 3 PCH (25-175m)	Band 4 (>175m)	Notes on habitat and activity	Comments
LB197	07/05/2017	4	Lesser Black-backed Gull	3	08:29:00	111			111		PB4, (Cutover bog woodland) Travelling	
LB198	07/05/2017	4	Lesser Black-backed Gull	1	08:31:00	44			44		WD4, (Conifer plantation) Travelling	
LB199	07/05/2017	4	Lesser Black-backed Gull	1	08:37:00	39			39		WD4, (Conifer plantation) (Cutover bog) Travelling	PB4,
LB200	07/05/2017	4	Lesser Black-backed Gull	1	08:56:00	60			60		PB4, (Cutover bog woodland) Travelling	(Bog
LB201	07/05/2017	4	Lesser Black-backed Gull	1	08:58:00	157			157		PB4, (Cutover bog woodland) Travelling	(Bog
LB202	07/05/2017	4	Lesser Black-backed Gull	1	08:59:00	137				137	PB4, (Cutover bog woodland) Travelling	(Bog
LB203	07/05/2017	4	Lesser Black-backed Gull	2	09:04:00	183				183	PB4, (Cutover bog woodland) Travelling	(Bog
LB204	07/05/2017	4	Lesser Black-backed Gull	1	09:14:00	27			27		WD4, (Conifer plantation) (Depositing/upland rivers) Travelling	FW2,
LB205	07/05/2017	4	Lesser Black-backed Gull	6	09:41:00	194				194	WD4, (Conifer plantation) (Depositing/upland rivers) Travelling	FW2,
LB206	07/05/2017	4	Lesser Black-backed Gull	1	10:13:00	20			20		WD4, (Conifer plantation) (Depositing/upland rivers) Travelling	FW2,
LB207	07/05/2017	4	Lesser Black-backed Gull	1	10:32:00	5		5			PB4, (Cutover bog woodland) Travelling	(Bog
LB208	07/05/2017	4	Lesser Black-backed Gull	1	10:38:00	28			28		PB4, (Cutover bog) Travelling	
LB209	08/05/2017	5	Lesser Black-backed Gull	12	05:02:00	36				36	PB4, (Cutover bog woodland) Travelling	(Bog
LB210	08/05/2017	5	Lesser Black-backed Gull	23	05:11:00	58			58		PB4, (Cutover bog woodland) Travelling	(Bog
LB211	08/05/2017	5	Lesser Black-backed Gull	10	05:13:00	143			143		PB4, (Cutover bog woodland) Travelling	(Bog

Map Reference No.	Date	VP	Species Name	No. of Birds	Time of flight	Duration of flight (s)	Band 1 (0-10m)	Band 2 (10-25m)	Band 3 PCH (25-175m)	Band 4 (>175m)	Notes on habitat and activity	Comments
LB212	08/05/2017	5	Lesser Black-backed Gull	3	05:15:00	63			63		PB4, (Cutover bog woodland) WN7, (Bog woodland) Travelling	
LB213	08/05/2017	5	Lesser Black-backed Gull	2	05:15:00	63			63		PB4, (Cutover bog woodland) WN7, (Bog woodland) Travelling	
LB214	08/05/2017	5	Lesser Black-backed Gull	15	05:19:00	52			52		PB4, (Cutover bog woodland) WN7, (Bog woodland) Travelling	
LB215	08/05/2017	5	Lesser Black-backed Gull	12	05:21:00	64			64		PB4, (Cutover bog woodland) WN7, (Bog woodland) Travelling	
LB216	08/05/2017	5	Lesser Black-backed Gull	8	05:23:00	93			93		PB4, (Cutover bog woodland) WN7, (Bog woodland) Travelling	
LB217	08/05/2017	5	Lesser Black-backed Gull	2	05:36:00	99			99		PB4, (Cutover bog woodland) WN7, (Bog woodland) Travelling	
LB218	08/05/2017	5	Lesser Black-backed Gull	2	05:39:00	56			56		PB4, (Cutover bog woodland) WN7, (Bog woodland) Travelling	
LB219	08/05/2017	5	Lesser Black-backed Gull	1	05:41:00	100			100		PB4, (Cutover bog woodland) WN7, (Bog woodland) Travelling	
LB220	08/05/2017	5	Lesser Black-backed Gull	1	05:46:00	61			61		PB4, (Cutover bog woodland) WN7, (Bog woodland) Travelling	
LB221	08/05/2017	5	Lesser Black-backed Gull	3	05:49:00	198			198		PB4, (Cutover bog woodland) WN7, (Bog woodland) Travelling	
LB222	08/05/2017	5	Lesser Black-backed Gull	1	05:50:00	60			60		PB4, (Cutover bog woodland) WN7, (Bog woodland) Travelling	
LB223	08/05/2017	5	Lesser Black-backed Gull	1	05:58:00	83		83			PB4, (Cutover bog woodland) WN7, (Bog woodland) Travelling	
LB224	08/05/2017	5	Lesser Black-backed Gull	2	06:04:00	107		107			PB4, (Cutover bog woodland) WN7, (Bog woodland) Travelling	
LB225	08/05/2017	5	Lesser Black-backed Gull	1	06:07:00	108			108		PB4, (Cutover bog woodland) WN7, (Bog woodland) Travelling	
LB226	08/05/2017	5	Lesser Black-backed Gull	1	06:10:00	157			157		PB4, (Cutover bog woodland) WN7, (Bog woodland) Travelling	
LB227	08/05/2017	5	Lesser Black-backed Gull	1	06:11:00	120			120		PB4, (Cutover bog woodland) WN7, (Bog woodland) Travelling	
LB228	08/05/2017	5	Lesser Black-backed Gull	3	06:39:00	105		105			PB4, (Cutover bog woodland) WN7, (Bog woodland) Travelling	

Map Reference No.	Date	VP	Species Name	No. of Birds	Time of flight	Duration of flight (s)	Band 1 (0-10m)	Band 2 (10-25m)	Band 3 PCH (25-175m)	Band 4 (>175m)	Notes on habitat and activity	Comments
LB229	08/05/2017	5	Lesser Black-backed Gull	1	06:41:00	97					PB4, (Cutover bog woodland) Travelling	
LB230	08/05/2017	5	Lesser Black-backed Gull	1	06:41:00	116					PB4, (Cutover bog woodland) Travelling	
LB231	08/05/2017	5	Lesser Black-backed Gull	1	06:56:00	92		92			PB4, (Cutover bog woodland) Travelling	
LB232	08/05/2017	5	Lesser Black-backed Gull	1	07:31:00	87			87		PB4, (Cutover bog woodland) Travelling	
LB233	08/05/2017	5	Lesser Black-backed Gull	1	08:23:00	109		109			PB4, (Cutover bog woodland) Travelling	
LB234	08/05/2017	5	Lesser Black-backed Gull	1	08:31:00	72		72			PB4, (Cutover bog woodland) Travelling	
LB235	08/05/2017	5	Lesser Black-backed Gull	2	08:54:00	167		167			PB4, (Cutover bog woodland) Travelling	
LB236	08/05/2017	5	Lesser Black-backed Gull	3	08:58:00	47		47			PB4, (Cutover bog woodland) Travelling	
LB237	08/05/2017	5	Lesser Black-backed Gull	1	08:58:00	47		47			PB4, (Cutover bog woodland) Travelling	
LB238	08/05/2017	5	Lesser Black-backed Gull	1	09:07:00	20		20			PB4, (Cutover bog woodland) Travelling	
LB239	08/05/2017	5	Lesser Black-backed Gull	1	09:38:00	76		56	20		PB4, (Cutover bog woodland) Travelling	
LB240	08/05/2017	5	Lesser Black-backed Gull	2	10:27:00	44		44			PB4, (Cutover bog woodland) Travelling	
LB241	09/05/2017	2	Lesser Black-backed Gull	1	04:48:00	137					FW2, (Depositing/upland rivers) Travelling, Foraging	
LB242	09/05/2017	2	Lesser Black-backed Gull	1	04:48:00	60		60			FW2, (Depositing/upland rivers) Travelling	
LB243	09/05/2017	2	Lesser Black-backed Gull	1	05:04:00	29		29			FW2, (Depositing/upland rivers) Travelling	
LB244	09/05/2017	2	Lesser Black-backed Gull	1	05:08:00	47		47			FW2, (Depositing/upland rivers) Travelling	
LB245	09/05/2017	2	Lesser Black-backed Gull	1	05:10:00	166					FW2, (Depositing/upland rivers) Travelling	

Map Reference No.	Date	VP	Species Name	No. of Birds	Time of flight	Duration of flight (s)	Band 1 (0-10m)	Band 2 (10-25m)	Band 3 PCH (25-175m)	Band 4 (>175m)	Notes on habitat and activity	Comments
LB246	09/05/2017	2	Lesser Black-backed Gull	2	05:17:00	80					FW2, (Depositing/upland rivers) Travelling	
LB247	09/05/2017	2	Lesser Black-backed Gull	1	05:33:00	47					FW2, (Depositing/upland rivers) Travelling	
LB248	09/05/2017	2	Lesser Black-backed Gull	1	05:33:00	75					FW2, (Depositing/upland rivers) Travelling	
LB249	09/05/2017	2	Lesser Black-backed Gull	2	5:40	70					FW2, (Depositing/upland rivers) Travelling	
LB250	09/05/2017	2	Lesser Black-backed Gull	1	5:41	71					FW2, (Depositing/upland rivers) Travelling	
LB251	09/05/2017	2	Lesser Black-backed Gull	1	5:48	35	35				FW2, (Depositing/upland rivers) Travelling	
LB252	09/05/2017	2	Lesser Black-backed Gull	1	06:01:00	50	50				FW2, (Depositing/upland rivers) Travelling	
LB253	09/05/2017	2	Lesser Black-backed Gull	1	06:01:00	50					FW2, (Depositing/upland rivers) Travelling	
LB254	09/05/2017	2	Lesser Black-backed Gull	1	06:42:00	47		47			FW2, (Depositing/upland rivers) Travelling	
LB255	09/05/2017	2	Lesser Black-backed Gull	1	07:11:00	36	36				FW2, (Depositing/upland rivers) Travelling	
LB256	09/05/2017	2	Lesser Black-backed Gull	1	07:20:00	78	78				FW2, (Depositing/upland rivers) Travelling	
LB257	09/05/2017	2	Lesser Black-backed Gull	1	08:26:00	59		59			FW2, (Depositing/upland rivers) Travelling	
LB258	09/05/2017	2	Lesser Black-backed Gull	1	08:38:00	80	80				FW2, (Depositing/upland rivers) Travelling	
LB259	09/05/2017	2	Lesser Black-backed Gull	1	09:12:00	63			63		FW2, (Depositing/upland rivers) Travelling	
LB260	09/05/2017	2	Lesser Black-backed Gull	1	09:23:00	32			32		FW2, (Depositing/upland rivers) Travelling	
LB261	09/05/2017	2	Lesser Black-backed Gull	1	09:36:00	30		30			FW2, (Depositing/upland rivers) Travelling	
LB262	09/05/2017	2	Lesser Black-backed Gull	1	09:40:00	78		78			FW2, (Depositing/upland rivers) Travelling	

Map Reference No.	Date	VP	Species Name	No. of Birds	Time of flight	Duration of flight (s)	Band 1 (0-10m)	Band 2 (10-25m)	Band 3 PCH (25-175m)	Band 4 (>175m)	Notes on habitat and activity	Comments
LB263	09/05/2017	2	Lesser Black-backed Gull	1	09:56:00	125					FW2, (Depositing/upland rivers) Travelling	
LB264	09/05/2017	2	Lesser Black-backed Gull	1	10:19:00	136			136		FW2, (Depositing/upland rivers) Travelling	
LB265	09/05/2017	2	Lesser Black-backed Gull	1	10:23:00	20					FW2, (Depositing/upland rivers) Travelling	
LB266	09/05/2017	2	Lesser Black-backed Gull	1	10:38:00	142					FW2, (Depositing/upland rivers) Travelling	
LB267	10/05/2017	6	Lesser Black-backed Gull	2	05:01:00	83					PB4, (Cutover bog) (Mixed) broadleaved woodland Travelling	
LB268	10/05/2017	6	Lesser Black-backed Gull	8	5:15	71					PB4, (Cutover bog) (Mixed) broadleaved woodland Travelling	
LB269	10/05/2017	6	Lesser Black-backed Gull	10	05:17:00	56					PB4, (Cutover bog) (Mixed) broadleaved woodland Travelling	
LB270	10/05/2017	6	Lesser Black-backed Gull	10	05:20:00	195					PB4, (Cutover bog) (Mixed) broadleaved woodland Travelling	
LB271	10/05/2017	6	Lesser Black-backed Gull	1	05:27:00	81					PB4, (Cutover bog) (Mixed) broadleaved woodland Travelling	
LB272	10/05/2017	6	Lesser Black-backed Gull	1	05:29:00	44					PB4, (Cutover bog) (Mixed) broadleaved woodland Travelling	
LB273	10/05/2017	6	Lesser Black-backed Gull	2	05:30:00	95					PB4, (Cutover bog) (Mixed) broadleaved woodland Travelling	
LB274	10/05/2017	6	Lesser Black-backed Gull	5	05:36:00	119					PB4, (Cutover bog) (Mixed) broadleaved woodland Travelling	
LB275	10/05/2017	6	Lesser Black-backed Gull	2	05:36:00	45					PB4, (Cutover bog) (Mixed) broadleaved woodland Travelling	
LB276	10/05/2017	6	Lesser Black-backed Gull	1	05:40:00	70					PB4, (Cutover bog) (Mixed) broadleaved woodland Travelling	
LB277	10/05/2017	6	Lesser Black-backed Gull	7	05:46:00	145					PB4, (Cutover bog) (Mixed) broadleaved woodland Travelling	
LB278	10/05/2017	6	Lesser Black-backed Gull	3	05:47:00	120					PB4, (Cutover bog) (Mixed) broadleaved woodland Travelling	
LB279	10/05/2017	6	Lesser Black-backed Gull	1	05:49:00	70			70		PB4, (Cutover bog) (Mixed) broadleaved woodland Travelling	

Map Reference No.	Date	VP	Species Name	No. of Birds	Time of flight	Duration of flight (s)	Band 1 (0-10m)	Band 2 (10-25m)	Band 3 PCH (25-175m)	Band 4 (>175m)	Notes on habitat and activity	Comments
LB280	10/05/2017	6	Lesser Black-backed Gull	1	05:52:00	112			112		PB4, (Cutover bog) (Mixed) broadleaved woodland Travelling	
LB281	10/05/2017	6	Lesser Black-backed Gull	9	05:57:00	147			147		PB4, (Cutover bog) (Mixed) broadleaved woodland Travelling	
LB282	10/05/2017	6	Lesser Black-backed Gull	1	06:00:00	140			140		PB4, (Cutover bog) (Mixed) broadleaved woodland Travelling	
LB283	10/05/2017	6	Lesser Black-backed Gull	1	06:08:00	82	82				PB4, (Cutover bog) (Mixed) broadleaved woodland Travelling	
LB284	10/05/2017	6	Lesser Black-backed Gull	2	06:10:00	10	10				PB4, (Cutover bog) (Mixed) broadleaved woodland Travelling	
LB285	10/05/2017	6	Lesser Black-backed Gull	1	06:17:00	146		146			PB4, (Cutover bog) (Mixed) broadleaved woodland Travelling	
LB286	10/05/2017	6	Lesser Black-backed Gull	5	06:19:00	20	20				PB4, (Cutover bog) (Mixed) broadleaved woodland Travelling	
LB287	10/05/2017	6	Lesser Black-backed Gull	1	06:38:00	86		86			PB4, (Cutover bog) (Mixed) broadleaved woodland Travelling	
LB288	10/05/2017	6	Lesser Black-backed Gull	3	07:03:00	79		79			PB4, (Cutover bog) (Mixed) broadleaved woodland Travelling	
LB289	10/05/2017	6	Lesser Black-backed Gull	1	7:03	40		40			PB4, (Cutover bog) (Mixed) broadleaved woodland Travelling	
LB290	10/05/2017	6	Lesser Black-backed Gull	3	7:07	178			178		PB4, (Cutover bog) (Mixed) broadleaved woodland Travelling	
LB291	10/05/2017	6	Lesser Black-backed Gull	1	07:16:00	74			74		PB4, (Cutover bog) (Mixed) broadleaved woodland Travelling	
LB292	10/05/2017	6	Lesser Black-backed Gull	1	07:18:00	60			60		PB4, (Cutover bog) (Mixed) broadleaved woodland Travelling	
LB293	10/05/2017	6	Lesser Black-backed Gull	1	07:18:00	40			40		PB4, (Cutover bog) (Mixed) broadleaved woodland Travelling	
LB294	10/05/2017	6	Lesser Black-backed Gull	1	07:23:00	15	15				PB4, (Cutover bog) (Mixed) broadleaved woodland Travelling	
LB295	10/05/2017	6	Lesser Black-backed Gull	1	07:33:00	151			151		PB4, (Cutover bog) (Mixed) broadleaved woodland Travelling	
LB296	10/05/2017	6	Lesser Black-backed Gull	1	08:26:00	76			76		PB4, (Cutover bog) (Mixed) broadleaved woodland Travelling	

Map Reference No.	Date	VP	Species Name	No. of Birds	Time of flight	Duration of flight (s)	Band 1 (0-10m)	Band 2 (10-25m)	Band 3 PCH (25-175m)	Band 4 (>175m)	Notes on habitat and activity	Comments
LB297	10/05/2017	6	Lesser Black-backed Gull	1	08:28:00	85			85		PB4, (Cutover bog) (Mixed) broadleaved woodland Travelling	
LB298	10/05/2017	6	Lesser Black-backed Gull	1	08:31:00	42			42		PB4, (Cutover bog) (Mixed) broadleaved woodland Travelling	
LB299	10/05/2017	6	Lesser Black-backed Gull	2	08:33:00	46			46		PB4, (Cutover bog) (Mixed) broadleaved woodland Travelling	
LB300	10/05/2017	6	Lesser Black-backed Gull	1	08:34:00	268	20		248		PB4, (Cutover bog) (Mixed) broadleaved woodland Travelling	
LB301	10/05/2017	6	Lesser Black-backed Gull	1	09:43:00	101				101	PB4, (Cutover bog) (Mixed) broadleaved woodland Travelling	
LB302	10/05/2017	6	Lesser Black-backed Gull	2	09:45:00	60				60	PB4, (Cutover bog) (Mixed) broadleaved woodland Travelling	
LB303	10/05/2017	6	Lesser Black-backed Gull	1	10:06:00	80			80		PB4, (Cutover bog) (Mixed) broadleaved woodland Travelling	
LB304	10/05/2017	6	Lesser Black-backed Gull	1	10:16:00	190				190	PB4, (Cutover bog) (Mixed) broadleaved woodland Travelling, Soaring, Circling	
	10/05/2017	6	Lesser Black-backed Gull	2	06:01:00	95		95			PB4, (Cutover bog) (Mixed) broadleaved woodland Travelling	
LB305	12/05/2017	1	Lesser Black-backed Gull	1	05:43:00	15		15			FW2, (Depositing/upland rivers) Travelling	
LB306	12/05/2017	1	Lesser Black-backed Gull	1	05:57:00	10		10			FW2, (Depositing/upland rivers) Travelling	
LB307	12/05/2017	1	Lesser Black-backed Gull	1	06:02:00	53		53			FW2, (Depositing/upland rivers) Travelling	
LB308	12/05/2017	1	Lesser Black-backed Gull	1	07:14:00	20			20		GS4, (Wet grassland) Travelling	
LB309	12/05/2017	1	Lesser Black-backed Gull	1	07:15:00	40			40		GS4, (Wet grassland) (Mixed) broadleaved woodland Travelling	
LB310	12/05/2017	1	Lesser Black-backed Gull	1	07:21:00	92		20	72		FW2, (Depositing/upland rivers) GS4, (Wet grassland) (Mixed) broadleaved woodland Travelling	
LB311	12/05/2017	1	Lesser Black-backed Gull	1	07:42:00	23			23		FW2, (Depositing/upland rivers) Travelling	

Map Reference No.	Date	VP	Species Name	No. of Birds	Time of flight	Duration of flight (s)	Band 1 (0-10m)	Band 2 (10-25m)	Band 3 PCH (25-175m)	Band 4 (>175m)	Notes on habitat and activity	Comments
LB312	12/05/2017	1	Lesser Black-backed Gull	1	07:46:00	109			109		FW2, (Depositing/upland rivers) GS4, (Wet grassland) (Mixed) broadleaved woodland Travelling	
LB313	12/05/2017	1	Lesser Black-backed Gull	1	08:42:00	15			15		FW2, (Depositing/upland rivers) Travelling	
LB314	12/05/2017	1	Lesser Black-backed Gull	1	08:52:00	25			25		(Mixed) broadleaved woodland GS4, (Wet grassland) Travelling	
LB315	12/05/2017	1	Lesser Black-backed Gull	1	09:18:00	96			96		FW2, (Depositing/upland rivers) Travelling	
LB316	12/05/2017	1	Lesser Black-backed Gull	2	10:25:00	14			14		FW2, (Depositing/upland rivers) Travelling	
LB317	12/05/2017	1	Lesser Black-backed Gull	1	10:32:00	108			108		(Mixed) broadleaved woodland Travelling	
LB318	22/05/2017	11	Lesser Black-backed Gull	1	04:58:00	24		24			PB4, (Cutover bog) WN7, (Bog woodland) Travelling	
LB319	22/05/2017	11	Lesser Black-backed Gull	4	05:01:00	43		43			PB4, (Cutover bog) WN7, (Bog woodland) Travelling	
LB320	22/05/2017	11	Lesser Black-backed Gull	6	05:17:00	28		28			PB4, (Cutover bog) WN7, (Bog woodland) Travelling	
LB321	22/05/2017	11	Lesser Black-backed Gull	1	05:19:00	36			36		PB4, (Cutover bog) (Mixed) broadleaved woodland Travelling	
LB322	22/05/2017	11	Lesser Black-backed Gull	1	05:19:00	30			30		PB4, (Cutover bog) (Mixed) broadleaved woodland Travelling	
LB323	22/05/2017	11	Lesser Black-backed Gull	1	05:16:00	63			63		PB4, (Cutover bog) (Mixed) broadleaved woodland Travelling	
LB324	22/05/2017	11	Lesser Black-backed Gull	5	05:30:00	27			27		PB4, (Cutover bog) (Mixed) broadleaved woodland Travelling	
LB325	22/05/2017	11	Lesser Black-backed Gull	1	05:34:00	64			64		PB4, (Cutover bog) (Mixed) broadleaved woodland Travelling	
LB326	22/05/2017	11	Lesser Black-backed Gull	3	05:39:00	182		122	60		PB4, (Cutover bog) WN7, (Bog woodland) Mixed broadleaved/comifer woodland Travelling	

Map Reference No.	Date	VP	Species Name	No. of Birds	Time of flight	Duration of flight (s)	Band 1 (0-10m)	Band 2 (10-25m)	Band 3 PCH (25-175m)	Band 4 (>175m)	Notes on habitat and activity	Comments
LB327	22/05/2017	11	Lesser Black-backed Gull	1	05:44:00	70			70		WN7, (Bog woodland) Mixed broadleaved/conifer woodland Mixed broadleaved/conifer woodland Travelling	
LB328	22/05/2017	11	Lesser Black-backed Gull	1	06:06:00	55			55		PB4, (Cutover bog) Mixed broadleaved/conifer woodland Travelling	
LB329	22/05/2017	11	Lesser Black-backed Gull	1	06:17:00	89		89			PB4, (Cutover bog) Mixed broadleaved/conifer woodland Travelling	
LB330	22/05/2017	11	Lesser Black-backed Gull	1	06:19:00	30		30			Travelling	
LB331	22/05/2017	11	Lesser Black-backed Gull	1	06:24:00	97			97		PB4, (Cutover bog) WN7, (Bog woodland) Mixed broadleaved/conifer woodland Travelling	
LB332	22/05/2017	11	Lesser Black-backed Gull	7	06:27:00	83					PB4, (Cutover bog) WN7, (Bog woodland) Mixed broadleaved/conifer woodland Travelling	
LB333	22/05/2017	11	Lesser Black-backed Gull	2	06:47:00	109		109			PB4, (Cutover bog) WN7, (Bog woodland) Mixed broadleaved/conifer woodland Travelling	
LB334	22/05/2017	11	Lesser Black-backed Gull	1	06:53:00	111		111			WN7, (Bog woodland) Mixed broadleaved/conifer woodland Travelling	
LB335	22/05/2017	11	Lesser Black-backed Gull	1	06:56:00	100			100		PB4, (Cutover bog) WN7, (Bog woodland) Mixed broadleaved/conifer woodland Travelling	
LB336	22/05/2017	11	Lesser Black-backed Gull	2	06:57:00	78			78		PB4, (Cutover bog) WN7, (Bog woodland) Mixed broadleaved/conifer woodland Travelling	

Map Reference No.	Date	VP	Species Name	No. of Birds	Time of flight	Duration of flight (s)	Band 1 (0-10m)	Band 2 (10-25m)	Band 3 PCH (25-175m)	Band 4 (>175m)	Notes on habitat and activity	Comments
LB337	22/05/2017	11	Lesser Black-backed Gull	1	08:03:00	62			62		PB4, (Cutover bog) woodland) Mixed broadleaved/conifer woodland Travelling	WN7, (Bog)
LB338	22/05/2017	11	Lesser Black-backed Gull	1	08:10:00	98		73	25		PB4, (Cutover bog) woodland) Mixed broadleaved/conifer woodland Travelling	WN7, (Bog)
LB339	22/05/2017	11	Lesser Black-backed Gull	2	08:13:00	96		96			PB4, (Cutover bog) woodland) Mixed broadleaved/conifer woodland Travelling	WN7, (Bog)
LB340	22/05/2017	11	Lesser Black-backed Gull	3	08:45:00	123		123			PB4, (Cutover bog) woodland) Mixed broadleaved/conifer woodland Travelling	WN7, (Bog)
LB341	22/05/2017	11	Lesser Black-backed Gull	3	08:48:00	73		73			PB4, (Cutover bog) woodland) Mixed broadleaved/conifer woodland Travelling	WN7, (Bog)
LB342	22/05/2017	11	Lesser Black-backed Gull	1	09:15:00	28		28			Mixed broadleaved/conifer woodland PB4, (Cutover bog) WD4, (Conifer plantation) Travelling	
LB343	22/05/2017	11	Lesser Black-backed Gull	1	09:44:00	10					PB4, (Cutover bog) broadleaved/conifer woodland Travelling	Mixed
LB344	22/05/2017	11	Lesser Black-backed Gull	1	09:51:00	167			167		PB4, (Cutover bog) broadleaved/conifer woodland WN7, (Bog woodland) Travelling	
LB345	22/05/2017	11	Lesser Black-backed Gull	1	10:06:00	52		52			PB4, (Cutover bog) broadleaved/conifer woodland WN7, (Bog woodland) Travelling	
LB346	22/05/2017	11	Lesser Black-backed Gull	2	10:16:00	42		42			PB4, (Cutover bog) plantation) Travelling	WD4, (Conifer)

Map Reference No.	Date	VP	Species Name	No. of Birds	Time of flight	Duration of flight (s)	Band 1 (0-10m)	Band 2 (10-25m)	Band 3 PCH (25-175m)	Band 4 (>175m)	Notes on habitat and activity	Comments
LB347	22/05/2017	11	Lesser Black-backed Gull	1	10:29:00	52			52		Mixed broadleaved/conifer woodland PB4, [Cutover bog] Travelling	
LB348	23/05/2017	9	Lesser Black-backed Gull	1	05:24:00	20			20		PB4, [Cutover bog] WN7, [Bog woodland] WD4, [Conifer plantation] Travelling	
LB349	23/05/2017	9	Lesser Black-backed Gull	1	06:01:00	43			43		PB4, [Cutover bog] WN7, [Bog woodland] WD4, [Conifer plantation] Travelling	
LB350	23/05/2017	9	Lesser Black-backed Gull	16	06:02:00	94			94		PB4, [Cutover bog] WN7, [Bog woodland] WD4, [Conifer plantation] Travelling	
LB351	23/05/2017	9	Lesser Black-backed Gull	1	06:10:00	57			57		Mixed broadleaved/conifer woodland PB4, [Cutover bog] Travelling	
LB352	23/05/2017	9	Lesser Black-backed Gull	1	06:15:00	74			74		PB4, [Cutover bog] WD4, [Conifer plantation] Mixed broadleaved/conifer woodland Travelling	
LB353	23/05/2017	9	Lesser Black-backed Gull	1	06:45:00	23			23		PB4, [Cutover bog] WD4, [Conifer plantation] WN7, [Bog woodland] Travelling	
LB354	23/05/2017	9	Lesser Black-backed Gull	1	08:29:00	79			79		PB4, [Cutover bog] WN7, [Bog woodland] WD4, [Conifer plantation] Travelling	
LB355	23/05/2017	9	Lesser Black-backed Gull	1	08:55:00	146		80	66		PB4, [Cutover bog] Mixed broadleaved/conifer woodland Travelling	
LB356	23/05/2017	9	Lesser Black-backed Gull	1	09:20:00	170			170		PB4, [Cutover bog] Mixed broadleaved/conifer woodland [Mixed] broadleaved woodland Travelling	
LB357	23/05/2017	9	Lesser Black-backed Gull	1	09:58:00	118			118		PB4, [Cutover bog] WN7, [Bog woodland] WD4, [Conifer plantation] Travelling	

Map Reference No.	Date	VP	Species Name	No. of Birds	Time of flight	Duration of flight (s)	Band 1 (0-10m)	Band 2 (10-25m)	Band 3 PCH (25-175m)	Band 4 (>175m)	Notes on habitat and activity	Comments
LB358	23/05/2017	9	Lesser Black-backed Gull	1	10:02:00	15		15			PB4, (Cutover bog) WD4, (Conifer plantation) Travelling	
LB359	23/05/2017	9	Lesser Black-backed Gull	1	10:11:00	7		7			PB4, (Cutover bog) Travelling	
LB360	23/05/2017	9	Lesser Black-backed Gull	1	10:12:00	40		40			PB4, (Cutover bog) Mixed broadleaved/conifer woodland WD4, (Conifer plantation) Travelling	
LB361	23/05/2017	9	Lesser Black-backed Gull	5	10:33:00	132		30	102		PB4, (Cutover bog) Mixed broadleaved/conifer woodland Travelling	
LB362	24/05/2017	8	Lesser Black-backed Gull	3	05:26:00	38		38			PB4, (Cutover bog) WD4, (Conifer plantation) Travelling	
LB363	24/05/2017	8	Lesser Black-backed Gull	1	05:33:00	81		81			PB4, (Cutover bog) WN7, (Bog woodland) Travelling	
LB364	24/05/2017	8	Lesser Black-backed Gull	1	05:35:00	37		37			PB4, (Cutover bog) WN7, (Bog woodland) Mixed broadleaved/conifer woodland Travelling	
LB365	24/05/2017	8	Lesser Black-backed Gull	1	05:36:00	52		52			PB4, (Cutover bog) Mixed broadleaved/conifer woodland Travelling	
LB366	24/05/2017	8	Lesser Black-backed Gull	3	05:37:00	75		75			PB4, (Cutover bog) WD4, (Conifer plantation) Travelling	
LB367	24/05/2017	8	Lesser Black-backed Gull	1	05:42:00	17			17		PB4, (Cutover bog) WN7, (Bog woodland) Mixed broadleaved/conifer woodland Travelling	
LB368	24/05/2017	8	Lesser Black-backed Gull	7	05:49:00	94		37	57		PB4, (Cutover bog) WN7, (Bog woodland) Travelling	
LB369	24/05/2017	8	Lesser Black-backed Gull	2	05:59:00	174			174		PB4, (Cutover bog) WN7, (Bog woodland) Mixed broadleaved/conifer woodland Travelling	

Map Reference No.	Date	VP	Species Name	No. of Birds	Time of flight	Duration of flight (s)	Band 1 (0-10m)	Band 2 (10-25m)	Band 3 PCH (25-175m)	Band 4 (>175m)	Notes on habitat and activity	Comments
LB370	24/05/2017	8	Lesser Black-backed Gull	4	06:03:00	37		37			PB4, (Cutover bog) Mixed broadleaved/conifer woodland Travelling	
LB371	24/05/2017	8	Lesser Black-backed Gull	1	06:06:00	20		20			PB4, (Cutover bog) WN7, (Bog woodland) Travelling	
LB372	24/05/2017	8	Lesser Black-backed Gull	1	06:13:00	52		52			PB4, (Cutover bog) WN7, (Bog woodland) Travelling	
LB373	24/05/2017	8	Lesser Black-backed Gull	2	06:21:00	137		137			PB4, (Cutover bog) Mixed broadleaved/conifer woodland Travelling	
LB374	24/05/2017	8	Lesser Black-backed Gull	1	06:37:00	118		118			PB4, (Cutover bog) Mixed broadleaved/conifer woodland WN7, (Bog woodland) Travelling	
LB375	24/05/2017	8	Lesser Black-backed Gull	1	06:47:00	117		117			PB4, (Cutover bog) Mixed broadleaved/conifer woodland WN7, (Bog woodland) Travelling	
LB376	24/05/2017	8	Lesser Black-backed Gull	2	06:59:00	115		115			PB4, (Cutover bog) Mixed broadleaved/conifer woodland Travelling	
LB377	24/05/2017	8	Lesser Black-backed Gull	1	07:11:00	15		15			PB4, (Cutover bog) Travelling	
LB378	24/05/2017	8	Lesser Black-backed Gull	2	08:05:00	116		116			PB4, (Cutover bog) Mixed broadleaved/conifer woodland WN7, (Bog woodland) Travelling	
LB379	24/05/2017	8	Lesser Black-backed Gull	1	08:08:00	23		23			PB4, (Cutover bog) Travelling	
LB380	24/05/2017	8	Lesser Black-backed Gull	1	08:16:00	24		24			PB4, (Cutover bog) Travelling	
LB381	24/05/2017	8	Lesser Black-backed Gull	1	08:21:00	38		38			PB4, (Cutover bog) WD4, (Conifer plantation) Mixed broadleaved/conifer woodland Travelling	
LB382	24/05/2017	8	Lesser Black-backed Gull	1	08:30:00	56		56			PB4, (Cutover bog) WN7, (Bog woodland) Travelling	

Map Reference No.	Date	VP	Species Name	No. of Birds	Time of flight	Duration of flight (s)	Band 1 (0-10m)	Band 2 (10-25m)	Band 3 PCH (25-175m)	Band 4 (>175m)	Notes on habitat and activity	Comments
LB383	24/05/2017	8	Lesser Black-backed Gull	1	08:33:00	157			157		PB4, (Cutover bog woodland) Travelling	
LB384	24/05/2017	8	Lesser Black-backed Gull	1	08:34:00	40		40			PB4, (Cutover bog woodland) Travelling	
LB385	24/05/2017	8	Lesser Black-backed Gull	1	08:39:00	111			111		PB4, (Cutover bog) Mixed broadleaved/conifer woodland WN7, (Bog woodland) Travelling	
LB386	24/05/2017	8	Lesser Black-backed Gull	1	08:47:00	79			79		PB4, (Cutover bog) Mixed broadleaved/conifer woodland WN7, (Bog woodland) Travelling	
LB387	24/05/2017	8	Lesser Black-backed Gull	1	08:58:00	89			89		PB4, (Cutover bog) Mixed broadleaved/conifer woodland WN7, (Bog woodland) Travelling	
LB388	24/05/2017	8	Lesser Black-backed Gull	1	08:05:00	74		74			PB4, (Cutover bog) Mixed broadleaved/conifer woodland WN7, (Bog woodland) Travelling	
LB389	24/05/2017	8	Lesser Black-backed Gull	1	09:09:00	17		17			PB4, (Cutover bog) WN7, (Bog woodland) Travelling	
LB390	24/05/2017	8	Lesser Black-backed Gull	2	09:10:00	10		10			PB4, (Cutover bog) WN7, (Bog woodland) Travelling	
LB391	24/05/2017	8	Lesser Black-backed Gull	2	09:19:00	91		91			PB4, (Cutover bog) Mixed broadleaved/conifer woodland Travelling	
LB392	24/05/2017	8	Lesser Black-backed Gull	2	09:38:00	139			139		PB4, (Cutover bog) WN7, (Bog woodland) Mixed broadleaved/conifer woodland Travelling	
LB393	24/05/2017	8	Lesser Black-backed Gull	2	09:44:00	80			80		PB4, (Cutover bog) WN7, (Bog woodland) Mixed broadleaved/conifer woodland Travelling	
LB394	24/05/2017	8	Lesser Black-backed Gull	4	09:48:00	10			10		GA1, (Improved agricultural grassland) PB4, (Cutover bog) Travelling	

Map Reference No.	Date	VP	Species Name	No. of Birds	Time of flight	Duration of flight (s)	Band 1 (0-10m)	Band 2 (10-25m)	Band 3 PCH (25-175m)	Band 4 (>175m)	Notes on habitat and activity	Comments
LB395	24/05/2017	8	Lesser Black-backed Gull	2	9:53	37			37		PB4, (Cutover bog) Travelling	
LB396	24/05/2017	8	Lesser Black-backed Gull	2	10:20:00	77			77		PB4, (Cutover bog) Travelling, (Bog woodland)	WN7, (Bog woodland)
LB397	24/05/2017	8	Lesser Black-backed Gull	3	10:23	98			98		PB4, (Cutover bog) Travelling, (Bog woodland)	WN7, (Bog woodland)
LB398	24/05/2017	8	Lesser Black-backed Gull	6	10:32:00	106			106		PB4, (Cutover bog) Travelling, (Bog woodland)	WN7, (Bog woodland)
LB399	24/05/2017	8	Lesser Black-backed Gull	1	10:36:00	47	47				PB4, (Cutover bog) Travelling, (Improved agricultural grassland)	GA1, WN7, (Bog woodland)
LB400	24/05/2017	8	Lesser Black-backed Gull	1	10:37:00	79	79				PB4, (Cutover bog) Travelling, (Improved agricultural grassland)	GA1, WN7, (Bog woodland)
LB401	24/05/2017	8	Lesser Black-backed Gull	2	10:42:00	66	66				PB4, (Cutover bog) Travelling, (Bog woodland)	WN7, (Bog woodland)
LB402	24/05/2017	10	Lesser Black-backed Gull	1	05:54:00	38	0	38	0	0	PB4, (Cutover bog) Travelling	
LB403	24/05/2017	10	Lesser Black-backed Gull	1	06:18:00	63	0	63	0	0	PB4, (Cutover bog) Travelling, (Scrub/transitional woodland)	WS, (Scrub/transitional woodland)
LB404	24/05/2017	10	Lesser Black-backed Gull	1	06:29:00	81	0	81	0	0	PB4, (Cutover bog) Travelling, (Scrub/transitional woodland)	WS, (Scrub/transitional woodland)
LB405	24/05/2017	10	Lesser Black-backed Gull	1	06:35:00	54	12	42	0	0	PB4, (Cutover bog) Travelling	
LB406	24/05/2017	10	Lesser Black-backed Gull	1	06:35:00	58	0	0	58	0	PB4, (Cutover bog) Travelling	
LB407	24/05/2017	10	Lesser Black-backed Gull	1	10:32:00	107	0	0	107	0	PB4, (Cutover bog) Travelling	
LB408	25/05/2017	7	Lesser Black-backed Gull	4	04:49:00	140	140				PB4, (Cutover bog) Travelling, (Improved agricultural grassland)	GA1, WN7, (Bog woodland)

Map Reference No.	Date	VP	Species Name	No. of Birds	Time of flight	Duration of flight (s)	Band 1 (0-10m)	Band 2 (10-25m)	Band 3 PCH (25-175m)	Band 4 (>175m)	Notes on habitat and activity	Comments
LB409	25/05/2017	7	Lesser Black-backed Gull	2	05:12:00	107					PB4, (Cutover bog) GA1, (Improved agricultural grassland) WN7, (Bog woodland) Travelling	
LB410	25/05/2017	7	Lesser Black-backed Gull	2	05:22:00	66					PB4, (Cutover bog) GA1, (Improved agricultural grassland) WN7, (Bog woodland) Travelling	
LB411	25/05/2017	7	Lesser Black-backed Gull	1	05:31:00	125					PB4, (Cutover bog) GA1, (Improved agricultural grassland) WN7, (Bog woodland) Travelling	
LB412	25/05/2017	7	Lesser Black-backed Gull	1	05:34:00	82					PB4, (Cutover bog) WN7, (Bog woodland) Mixed broadleaved/conifer woodland Travelling	
LB413	25/05/2017	7	Lesser Black-backed Gull	4	05:37:00	141					PB4, (Cutover bog) GA1, (Improved agricultural grassland) WN7, (Bog woodland) Travelling	
LB414	25/05/2017	7	Lesser Black-backed Gull	5	05:37:00	151					PB4, (Cutover bog) GA1, (Improved agricultural grassland) WN7, (Bog woodland) Travelling	
LB415	25/05/2017	7	Lesser Black-backed Gull	3	05:40:00	94					PB4, (Cutover bog) GA1, (Improved agricultural grassland) WN7, (Bog woodland) Travelling	
LB416	25/05/2017	7	Lesser Black-backed Gull	2	05:56:00	53					PB4, (Cutover bog) WN7, (Bog woodland) Mixed broadleaved/conifer woodland Travelling	
LB417	25/05/2017	7	Lesser Black-backed Gull	1	06:01:00	120					PB4, (Cutover bog) WN7, (Bog woodland) Travelling	
LB418	25/05/2017	7	Lesser Black-backed Gull	2	06:01:00	100					PB4, (Cutover bog) WN7, (Bog woodland) Travelling	
LB419	25/05/2017	7	Lesser Black-backed Gull	2	06:05:00	94					PB4, (Cutover bog) WN7, (Bog woodland) GA1, (Improved agricultural grassland) Travelling	

Map Reference No.	Date	VP	Species Name	No. of Birds	Time of flight	Duration of flight (s)	Band 1 (0-10m)	Band 2 (10-25m)	Band 3 PCH (25-175m)	Band 4 (>175m)	Notes on habitat and activity	Comments
LB420	25/05/2017	7	Lesser Black-backed Gull	1	06:13:00	112		112			PB4, (Cutover bog woodland) GA1, (Improved agricultural grassland) Travelling	
LB421	25/05/2017	7	Lesser Black-backed Gull	1	06:23:00	61		61			PB4, (Cutover bog woodland) GA1, (Improved agricultural grassland) Travelling	
LB422	25/05/2017	7	Lesser Black-backed Gull	1	06:40:00	6		6			PB4, (Cutover bog woodland) Travelling	
LB423	25/05/2017	7	Lesser Black-backed Gull	1	06:40:00	60		60			PB4, (Cutover bog woodland) Travelling	
LB424	25/05/2017	7	Lesser Black-backed Gull	1	06:41:00	104		104			PB4, (Cutover bog woodland) Travelling	
LB425	25/05/2017	7	Lesser Black-backed Gull	1	06:50:00	75		75			PB4, (Cutover bog woodland) GA1, (Improved agricultural grassland) Travelling	
LB426	25/05/2017	7	Lesser Black-backed Gull	1	06:50:00	80		80			PB4, (Cutover bog woodland) GA1, (Improved agricultural grassland) Travelling	
LB427	25/05/2017	7	Lesser Black-backed Gull	1	07:09:00	36		36			PB4, (Cutover bog) broadleaved/conifer woodland Travelling	
LB428	25/05/2017	7	Lesser Black-backed Gull	1	07:49:00	64		64			PB4, (Cutover bog woodland) GA1, (Improved agricultural grassland) Travelling	
LB429	25/05/2017	7	Lesser Black-backed Gull	1	07:55:00	57		57			PB4, (Cutover bog woodland) Travelling	
LB430	25/05/2017	7	Lesser Black-backed Gull	1	07:59:00	82		82			PB4, (Cutover bog) GA1, (Improved agricultural grassland) Travelling	
LB431	25/05/2017	7	Lesser Black-backed Gull	1	08:01:00	43		43			WN7, (Bog woodland) GA1, (Improved agricultural grassland) Travelling	

Map Reference No.	Date	VP	Species Name	No. of Birds	Time of flight	Duration of flight (s)	Band 1 (0-10m)	Band 2 (10-25m)	Band 3 PCH (25-175m)	Band 4 (>175m)	Notes on habitat and activity	Comments
LB432	25/05/2017	7	Lesser Black-backed Gull	1	08:15:00	21					GA1, (Improved agricultural grassland) WN7, (Bog woodland) (Mixed) broadleaved woodland Travelling	
LB433	25/05/2017	7	Lesser Black-backed Gull	1	08:19:00	62					PB4, (Cutover bog) GA1, (Improved agricultural grassland) Travelling	
LB434	25/05/2017	7	Lesser Black-backed Gull	5	08:21:00	61		61			PB4, (Cutover bog) WN7, (Bog woodland) GA1, (Improved agricultural grassland) Travelling	
LB435	25/05/2017	7	Lesser Black-backed Gull	5	08:47:00	149					PB4, (Cutover bog) WN7, (Bog woodland) (Mixed) broadleaved woodland Travelling	
LB436	25/05/2017	7	Lesser Black-backed Gull	2	08:58:00	65					PB4, (Cutover bog) WN7, (Bog woodland) Travelling	
LB437	25/05/2017	7	Lesser Black-backed Gull	1	09:11:00	48					PB4, (Cutover bog) WN7, (Bog woodland) Travelling	
LB438	25/05/2017	7	Lesser Black-backed Gull	1	09:11:00	5					PB4, (Cutover bog) WN7, (Bog woodland) Travelling	
LB439	25/05/2017	7	Lesser Black-backed Gull	2	09:15:00	49					PB4, (Cutover bog) (Mixed) broadleaved woodland Travelling	
LB440	25/05/2017	7	Lesser Black-backed Gull	2	09:18:00	54		54			GA1, (Improved agricultural grassland) Travelling	
LB441	25/05/2017	7	Lesser Black-backed Gull	2	09:19:00	73					PB4, (Cutover bog) WN7, (Bog woodland) (Mixed) broadleaved woodland Travelling	
LB442	25/05/2017	7	Lesser Black-backed Gull	2	09:23:00	101					PB4, (Cutover bog) GA1, (Improved agricultural grassland) WN7, (Bog woodland) Travelling	
LB443	25/05/2017	7	Lesser Black-backed Gull	1	09:30:00	52					PB4, (Cutover bog) GA1, (Improved agricultural grassland) WN7, (Bog woodland) Travelling	

Map Reference No.	Date	VP	Species Name	No. of Birds	Time of flight	Duration of flight (s)	Band 1 (0-10m)	Band 2 (10-25m)	Band 3 PCH (25-175m)	Band 4 (>175m)	Notes on habitat and activity	Comments
LB444	25/05/2017	7	Lesser Black-backed Gull	1	09:38:00	60					PB4, (Cutover bog) GA1, (Improved agricultural grassland) WN7, (Bog woodland) Travelling	
LB445	25/05/2017	7	Lesser Black-backed Gull	1	09:40:00	90		90			WN7, (Bog woodland) GA1, (Improved agricultural grassland) (Mixed) broadleaved woodland Travelling	
LB446	25/05/2017	7	Lesser Black-backed Gull	1	09:59:00	18		2	16		WN7, (Bog woodland) PB4, (Cutover bog) Travelling	
LB447	25/05/2017	7	Lesser Black-backed Gull	1	10:04:00	113		20	93		WN7, (Bog woodland) PB4, (Cutover bog) Travelling	
LB448	25/05/2017	7	Lesser Black-backed Gull	1	10:13:00	89		89			PB4, (Cutover bog) WN7, (Bog woodland) Travelling	
LB449	25/05/2017	7	Lesser Black-backed Gull	1	10:20:00	91		91			PB4, (Cutover bog) WN7, (Bog woodland) Travelling	
LB450	25/05/2017	7	Lesser Black-backed Gull	1	10:27:00	69			69		PB4, (Cutover bog) (Mixed) broadleaved woodland Travelling	
LB451	25/05/2017	7	Lesser Black-backed Gull	1	10:30:00	67		67			PB4, (Cutover bog) WN7, (Bog woodland) (Mixed) broadleaved woodland Travelling	
LB452	25/05/2017	7	Lesser Black-backed Gull	1	10:35:00	58			58		PB4, (Cutover bog) GA1, (Improved agricultural grassland) WN7, (Bog woodland) Travelling	
LB453	14/06/2017	11	Lesser Black-backed Gull	1	09:35:00	30			30		PB4, (Cutover bog) Mixed broadleaved/conifer woodland GA1, (Improved agricultural grassland) Travelling	
LB454	14/06/2017	11	Lesser Black-backed Gull	2	10:00:00	95			95		PB4, (Cutover bog) Mixed broadleaved/conifer woodland GA1, (Improved agricultural grassland) Travelling	
LB455	14/06/2017	11	Lesser Black-backed Gull	1	10:05:00	90			90		PB4, (Cutover bog) Mixed broadleaved/conifer woodland GA1, (Improved agricultural grassland) Travelling	

Map Reference No.	Date	VP	Species Name	No. of Birds	Time of flight	Duration of flight (s)	Band 1 (0-10m)	Band 2 (10-25m)	Band 3 PCH (25-175m)	Band 4 (>175m)	Notes on habitat and activity	Comments
LB456	14/06/2017	11	Lesser Black-backed Gull	1	10:10:00	580			400	180	PB4, (Cutover bog) Mixed broadleaved/conifer woodland GA1, (Improved agricultural grassland) Travelling	
LB457	14/06/2017	11	Lesser Black-backed Gull	1	10:30:00	45			45		PB4, (Cutover bog) Mixed broadleaved/conifer woodland GA1, (Improved agricultural grassland) Travelling	
LB458	14/06/2017	11	Lesser Black-backed Gull	3	10:35:00	40			40		PB4, (Cutover bog) Mixed broadleaved/conifer woodland Travelling	
LB459	14/06/2017	11	Lesser Black-backed Gull	1	11:20:00	125			125		PB4, (Cutover bog) Mixed broadleaved/conifer woodland Travelling	
LB460	14/06/2017	11	Lesser Black-backed Gull	1	13:44:00	45			45		PB4, (Cutover bog) Mixed broadleaved/conifer woodland GA1, (Improved agricultural grassland) Travelling	
LB461	14/06/2017	11	Lesser Black-backed Gull	4	14:20:00	90			20	70	PB4, (Cutover bog) Mixed broadleaved/conifer woodland GA1, (Improved agricultural grassland) Circling & Travelling	
LB462	14/06/2017	11	Lesser Black-backed Gull	2	15:00:00	50				50	PB4, (Cutover bog) Mixed broadleaved/conifer woodland GA1, (Improved agricultural grassland) Travelling	
LB463	14/06/2017	11	Lesser Black-backed Gull	3	15:05:00	100			60	40	PB4, (Cutover bog) Mixed broadleaved/conifer woodland GA1, (Improved agricultural grassland) Travelling	
LB464	14/06/2017	11	Lesser Black-backed Gull	4	15:10:00	110			110		PB4, (Cutover bog) Mixed broadleaved/conifer woodland GA1, (Improved agricultural grassland) Travelling	

Map Reference No.	Date	VP	Species Name	No. of Birds	Time of flight	Duration of flight (s)	Band 1 (0-10m)	Band 2 (10-25m)	Band 3 PCH (25-175m)	Band 4 (>175m)	Notes on habitat and activity	Comments
LB465	15/06/2017	6	Lesser Black-backed Gull	3	09:15:00	73			73		PB4, (Cutover bog) GA1, (Improved agricultural grassland) (Mixed) broadleaved woodland Travelling	
LB466	15/06/2017	6	Lesser Black-backed Gull	2	09:22:00	86		86			PB4, (Cutover bog) GA1, (Improved agricultural grassland) (Mixed) broadleaved woodland Travelling	
LB467	15/06/2017	6	Lesser Black-backed Gull	1	09:30:00	147		7	140		PB4, (Cutover bog) GA1, (Improved agricultural grassland) (Mixed) broadleaved woodland Travelling	
LB468	15/06/2017	6	Lesser Black-backed Gull	1	09:38:00	137		17	120		PB4, (Cutover bog) GA1, (Improved agricultural grassland) (Mixed) broadleaved woodland Travelling	
LB469	15/06/2017	6	Lesser Black-backed Gull	2	09:42:00	9			9		GA1, (Improved agricultural grassland) (Mixed) broadleaved woodland Travelling	
LB470	15/06/2017	6	Lesser Black-backed Gull	1	09:45:00	13			13		GA1, (Improved agricultural grassland) (Mixed) broadleaved woodland Travelling	
LB471	15/06/2017	6	Lesser Black-backed Gull	1	09:47:00	126		45	76		PB4, (Cutover bog) GA1, (Improved agricultural grassland) (Mixed) broadleaved woodland Travelling	
LB472	15/06/2017	6	Lesser Black-backed Gull	1	09:51:00	169		60	109		PB4, (Cutover bog) GA1, (Improved agricultural grassland) (Mixed) broadleaved woodland Travelling	
LB473	15/06/2017	6	Lesser Black-backed Gull	1	09:58:00	28		28			GA1, (Improved agricultural grassland) (Mixed) broadleaved woodland Travelling	
LB474	15/06/2017	6	Lesser Black-backed Gull	3	10:01:00	30		30			PB4, (Cutover bog) (Mixed) broadleaved woodland Travelling	

Map Reference No.	Date	VP	Species Name	No. of Birds	Time of flight	Duration of flight (s)	Band 1 (0-10m)	Band 2 (10-25m)	Band 3 PCH (25-175m)	Band 4 (>175m)	Notes on habitat and activity	Comments
LB475	15/06/2017	6	Lesser Black-backed Gull	1	10:06:00	57					PB4, (Cutover bog) (Mixed) broadleaved woodland WD4, (Conifer plantation) Travelling	
LB476	15/06/2017	6	Lesser Black-backed Gull	3	10:10:00	168		40	128		PB4, (Cutover bog) (Mixed) broadleaved woodland Travelling	
LB477	15/06/2017	6	Lesser Black-backed Gull	1	10:19:00	30		30			PB4, (Cutover bog) WN7, (Bog woodland) Travelling	
LB478	15/06/2017	6	Lesser Black-backed Gull	1	10:21:00	27		27			Travelling	
LB479	15/06/2017	6	Lesser Black-backed Gull	4	10:26:00	74	60	14			PB4, (Cutover bog) WN7, (Bog woodland) GA1, (Improved agricultural grassland) Travelling	
LB480	15/06/2017	6	Lesser Black-backed Gull	2	10:35:00	82		82			PB4, (Cutover bog) WN7, (Bog woodland) Travelling	
LB481	15/06/2017	6	Lesser Black-backed Gull	5	10:39:00	120		120			PB4, (Cutover bog) WN7, (Bog woodland) Travelling	
LB482	15/06/2017	6	Lesser Black-backed Gull	1	10:41:00	60		60			PB4, (Cutover bog) WN7, (Bog woodland) Travelling	
LB483	15/06/2017	6	Lesser Black-backed Gull	2	10:42:00	103		103			PB4, (Cutover bog) WN7, (Bog woodland) Travelling	
LB484	15/06/2017	6	Lesser Black-backed Gull	1	10:51:00	169	9	160			PB4, (Cutover bog) WN7, (Bog woodland) GA1, (Improved agricultural grassland) Travelling	
LB485	15/06/2017	6	Lesser Black-backed Gull	2	10:56:00	74		74			PB4, (Cutover bog) WN7, (Bog woodland) GA1, (Improved agricultural grassland) Travelling	
LB486	15/06/2017	6	Lesser Black-backed Gull	1	11:00:00	41		41			PB4, (Cutover bog) WN7, (Bog woodland) Travelling	
LB487	15/06/2017	6	Lesser Black-backed Gull	4	11:07:00	160		160			PB4, (Cutover bog) WN7, (Bog woodland) GA1, (Improved agricultural grassland) Travelling	
LB488	15/06/2017	6	Lesser Black-backed Gull	1	11:15:00	53		53			PB4, (Cutover bog) WN7, (Bog woodland) Travelling	

Map Reference No.	Date	VP	Species Name	No. of Birds	Time of flight	Duration of flight (s)	Band 1 (0-10m)	Band 2 (10-25m)	Band 3 PCH (25-175m)	Band 4 (>175m)	Notes on habitat and activity	Comments
LB489	15/06/2017	6	Lesser Black-backed Gull	2	11:£2	18		18			WN7, (Bog woodland) PB4, (Cutover bog) Travelling	
LB490	15/06/2017	6	Lesser Black-backed Gull	3	11:39:00	40		40			WN7, (Bog woodland) PB4, (Cutover bog) GA1, (Improved agricultural grassland) Travelling	
LB491	15/06/2017	6	Lesser Black-backed Gull	2	11:42:00	147		147			WN7, (Bog woodland) PB4, (Cutover bog) GA1, (Improved agricultural grassland) Travelling	
LB492	15/06/2017	6	Lesser Black-backed Gull	3	11:51:00	51		51			WN7, (Bog woodland) PB4, (Cutover bog) Travelling	
LB493	15/06/2017	6	Lesser Black-backed Gull	1	11:54:00	50		50			WN7, (Bog woodland) PB4, (Cutover bog) Travelling	
LB494	15/06/2017	6	Lesser Black-backed Gull	4	11:54:00	50		50			WN7, (Bog woodland) PB4, (Cutover bog) Travelling	
LB495	15/06/2017	6	Lesser Black-backed Gull	4	12:34:00	67		67			WN7, (Bog woodland) PB4, (Cutover bog) Travelling	
LB496	15/06/2017	6	Lesser Black-backed Gull	2	12:37:00	89		89			WN7, (Bog woodland) PB4, (Cutover bog) Travelling	
LB497	15/06/2017	6	Lesser Black-backed Gull	1	12:40:00	93		93			WN7, (Bog woodland) PB4, (Cutover bog) GA1, (Improved agricultural grassland) Travelling	
LB498	15/06/2017	6	Lesser Black-backed Gull	1	12:42:00	34		34			WN7, (Bog woodland) PB4, (Cutover bog) GA1, (Improved agricultural grassland) Travelling	
LB499	15/06/2017	6	Lesser Black-backed Gull	1	12:45:00	36		36			WN7, (Bog woodland) PB4, (Cutover bog) GA1, (Improved agricultural grassland) Travelling	
LB500	15/06/2017	6	Lesser Black-backed Gull	2	12:47:00	42			42		WN7, (Bog woodland) PB4, (Cutover bog) GA1, (Improved agricultural grassland) Travelling	
LB501	15/06/2017	6	Lesser Black-backed Gull	3	12:47:00	40			40		WN7, (Bog woodland) PB4, (Cutover bog) GA1, (Improved agricultural grassland) Travelling	

Map Reference No.	Date	VP	Species Name	No. of Birds	Time of flight	Duration of flight (s)	Band 1 (0-10m)	Band 2 (10-25m)	Band 3 PCH (25-175m)	Band 4 (>175m)	Notes on habitat and activity	Comments
LB502	15/06/2017	6	Lesser Black-backed Gull	1	12:47:00	20		20			WN7, (Bog woodland) PB4, (Cutover bog) Travelling	
LB503	15/06/2017	6	Lesser Black-backed Gull	2	12:51:00	22		22			PB4, (Cutover bog) (Mixed) broadleaved woodland WN7, (Bog woodland) Travelling	
LB504	15/06/2017	6	Lesser Black-backed Gull	2	12:57:00	25		25			PB4, (Cutover bog) (Mixed) broadleaved woodland Travelling	
LB505	15/06/2017	6	Lesser Black-backed Gull	4	13:00:00	50	10	40			PB4, (Cutover bog) WN7, (Bog woodland) GA1, (Improved agricultural grassland) Travelling	
LB506	15/06/2017	6	Lesser Black-backed Gull	2	13:02:00	57		57			PB4, (Cutover bog) WD4, (Conifer plantation) Travelling	
LB507	15/06/2017	6	Lesser Black-backed Gull	1	13:04:00	32		32			PB4, (Cutover bog) WD4, (Conifer plantation) Travelling	
LB508	15/06/2017	6	Lesser Black-backed Gull	12	13:07:00	61		61			PB4, (Cutover bog) WD4, (Conifer plantation) Travelling	
LB509	15/06/2017	6	Lesser Black-backed Gull	1	13:10:00	58	20	38			PB4, (Cutover bog) WD4, (Conifer plantation) Travelling	
LB510	15/06/2017	6	Lesser Black-backed Gull	4	13:11:00	50		50			PB4, (Cutover bog) WD4, (Conifer plantation) Travelling	
LB511	15/06/2017	6	Lesser Black-backed Gull	1	13:11:00	50		50			PB4, (Cutover bog) WD4, (Conifer plantation) Travelling	
LB512	15/06/2017	6	Lesser Black-backed Gull	1	13:15:00	85		85			PB4, (Cutover bog) WD4, (Conifer plantation) Travelling	
LB513	15/06/2017	6	Lesser Black-backed Gull	1	13:17:00	20		20			PB4, (Cutover bog) WD4, (Conifer plantation) Travelling	
LB514	15/06/2017	6	Lesser Black-backed Gull	1	13:19:00	75		75			PB4, (Cutover bog) WD4, (Conifer plantation) Travelling	
LB515	15/06/2017	6	Lesser Black-backed Gull	1	13:26:00	152		152			PB4, (Cutover bog) WD4, (Conifer plantation) (Mixed) broadleaved woodland Travelling	
LB516	15/06/2017	6	Lesser Black-backed Gull	3	13:35:00	115		115			PB4, (Cutover bog) WD4, (Conifer plantation) (Mixed) broadleaved woodland Travelling	

Map Reference No.	Date	VP	Species Name	No. of Birds	Time of flight	Duration of flight (s)	Band 1 (0-10m)	Band 2 (10-25m)	Band 3 PCH (25-175m)	Band 4 (>175m)	Notes on habitat and activity	Comments
LB517	15/06/2017	6	Lesser Black-backed Gull	2	13:50:00	58		58			PB4, (Cutover bog) WD4, (Conifer plantation) Travelling	
LB518	15/06/2017	6	Lesser Black-backed Gull	3	13:52:00	40		40			PB4, (Cutover bog) GA1, (Improved agricultural grassland) Travelling	
LB519	15/06/2017	6	Lesser Black-backed Gull	8	13:58:00	116		116			PB4, (Cutover bog) GA1, (Improved agricultural grassland) WD4, (Conifer plantation) Travelling	
LB520	15/06/2017	6	Lesser Black-backed Gull	1	14:03:00	50		50			WN7, (Bog woodland) GA1, (Improved agricultural grassland) Travelling	
LB521	15/06/2017	6	Lesser Black-backed Gull	1	14:12:00	156		156			WN7, (Bog woodland) (Mixed) broadleaved woodland Travelling	
LB522	15/06/2017	6	Lesser Black-backed Gull	2	14:20:00	67		67			PB4, (Cutover bog) WN7, (Bog woodland) Travelling	
LB523	15/06/2017	6	Lesser Black-backed Gull	1	14:25:00	174		174			PB4, (Cutover bog) WN7, (Bog woodland) GA1, (Improved agricultural grassland) Travelling	
LB524	15/06/2017	6	Lesser Black-backed Gull	1	14:29:00	41		41			PB4, (Cutover bog) WN7, (Bog woodland) GA1, (Improved agricultural grassland) Travelling	
LB525	15/06/2017	6	Lesser Black-backed Gull	5	14:31:00	47		47			PB4, (Cutover bog) WN7, (Bog woodland) GA1, (Improved agricultural grassland) Travelling	
LB526	15/06/2017	6	Lesser Black-backed Gull	3	14:35:00	50		50			PB4, (Cutover bog) WN7, (Bog woodland) GA1, (Improved agricultural grassland) Travelling	
LB527	15/06/2017	6	Lesser Black-backed Gull	1	14:42:00	94		94			PB4, (Cutover bog) WN7, (Bog woodland) Travelling	
LB528	15/06/2017	6	Lesser Black-backed Gull	1	14:47:00	38		38			WD4, (Conifer plantation) PB4, (Cutover bog) Travelling	
LB529	15/06/2017	6	Lesser Black-backed Gull	4	14:48:00	31		31			WD4, (Conifer plantation) PB4, (Cutover bog) Travelling	

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LB530	15/06/2017	6	Lesser Black-backed Gull	6	14:51:00	45		45			WD4, (Conifer plantation) PB4, (Cutover bog) Travelling	
LB531	15/06/2017	6	Lesser Black-backed Gull	14	14:59:00	102			102		PB4, (Cutover bog) WN7, (Bog woodland) Travelling	
LB532	15/06/2017	6	Lesser Black-backed Gull	1	15:04:00	73			73		PB4, (Cutover bog) WN7, (Bog woodland) Travelling	
LB533	15/06/2017	6	Lesser Black-backed Gull	2	15:05:00	40		40			PB4, (Cutover bog) WN7, (Bog woodland) Travelling	
LB534	15/06/2017	6	Lesser Black-backed Gull	1	15:22:00	29		29			WN7, (Bog woodland) PB4, (Cutover bog) Travelling	
LB535	15/06/2017	6	Lesser Black-backed Gull	1	15:24:00	79		79			PB4, (Cutover bog) GA1, (Improved agricultural grassland) WD4, (Conifer plantation) Travelling	
LB536	15/06/2017	6	Lesser Black-backed Gull	2	15:27:00	62			62		PB4, (Cutover bog) GA1, (Improved agricultural grassland) WD4, (Conifer plantation) Travelling	
LB537	15/06/2017	8	Lesser Black-backed Gull	1	09:35:00	35			35		PB4, (Cutover bog) Mixed broadleaved/conifer woodland GA1, (Improved agricultural grassland) Travelling	
LB538	15/06/2017	8	Lesser Black-backed Gull	1	10:30:00	75			75		PB4, (Cutover bog) Mixed broadleaved/conifer woodland GA1, (Improved agricultural grassland) Travelling	
LB539	15/06/2017	8	Lesser Black-backed Gull	1	10:35:00	55		25	30		PB4, (Cutover bog) Mixed broadleaved/conifer woodland GA1, (Improved agricultural grassland) Travelling	
LB540	15/06/2017	8	Lesser Black-backed Gull	7	10:40:00	60			60		PB4, (Cutover bog) Mixed broadleaved/conifer woodland GA1, (Improved agricultural grassland) Travelling	

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LB541	15/06/2017	8	Lesser Black-backed Gull	1	10:50:00	65			65		PB4, (Cutover bog) Mixed broadleaved/conifer woodland GA1, (Improved agricultural grassland) Travelling	
LB542	15/06/2017	8	Lesser Black-backed Gull	1	11:00:00	45			45		PB4, (Cutover bog) Mixed broadleaved/conifer woodland GA1, (Improved agricultural grassland) Travelling	
LB543	15/06/2017	8	Lesser Black-backed Gull	1	11:05:00	50			50		PB4, (Cutover bog) Mixed broadleaved/conifer woodland GA1, (Improved agricultural grassland) Travelling	
LB544	15/06/2017	8	Lesser Black-backed Gull	3	11:10:00	70			50	20	PB4, (Cutover bog) Mixed broadleaved/conifer woodland GA1, (Improved agricultural grassland) Travelling	
LB545	15/06/2017	8	Lesser Black-backed Gull	3	11:12:00	55			55		PB4, (Cutover bog) Mixed broadleaved/conifer woodland GA1, (Improved agricultural grassland) Travelling	
LB546	15/06/2017	8	Lesser Black-backed Gull	1	11:40:00	40			40		PB4, (Cutover bog) Mixed broadleaved/conifer woodland GA1, (Improved agricultural grassland) Travelling	
LB547	15/06/2017	8	Lesser Black-backed Gull	2	11:50:00	25			25		PB4, (Cutover bog) Mixed broadleaved/conifer woodland GA1, (Improved agricultural grassland) Travelling	
LB548	15/06/2017	8	Lesser Black-backed Gull	2	12:00:00	55			55		PB4, (Cutover bog) Mixed broadleaved/conifer woodland GA1, (Improved agricultural grassland) Travelling	

Map Reference No.	Date	VP	Species Name	No. of Birds	Time of flight	Duration of flight (s)	Band 1 (0-10m)	Band 2 (10-25m)	Band 3 PCH (25-175m)	Band 4 (>175m)	Notes on habitat and activity	Comments
LB549	15/06/2017	8	Lesser Black-backed Gull	1	12:05:00	35			35		PB4, (Cutover bog) Mixed broadleaved/conifer woodland GA1, (Improved agricultural grassland) Travelling	
LB550	15/06/2017	8	Lesser Black-backed Gull	2	13:10:00	70			70		PB4, (Cutover bog) Mixed broadleaved/conifer woodland GA1, (Improved agricultural grassland) Travelling	
LB551	15/06/2017	8	Lesser Black-backed Gull	1	13:20:00	40			40		PB4, (Cutover bog) Mixed broadleaved/conifer woodland GA1, (Improved agricultural grassland) Travelling	
LB552	15/06/2017	8	Lesser Black-backed Gull	2	13:50:00	55			55		PB4, (Cutover bog) Mixed broadleaved/conifer woodland GA1, (Improved agricultural grassland) Travelling	
LB553	15/06/2017	8	Lesser Black-backed Gull	1	14:05:00	45			45		PB4, (Cutover bog) Mixed broadleaved/conifer woodland GA1, (Improved agricultural grassland) Travelling	
LB554	15/06/2017	8	Lesser Black-backed Gull	1	14:35:00	45			45		PB4, (Cutover bog) Mixed broadleaved/conifer woodland GA1, (Improved agricultural grassland) Travelling	
LB555	15/06/2017	8	Lesser Black-backed Gull	2	14:50:00	55			55		PB4, (Cutover bog) Mixed broadleaved/conifer woodland GA1, (Improved agricultural grassland) Travelling	
LB556	15/06/2017	8	Lesser Black-backed Gull	1	14:55:00	45			45		PB4, (Cutover bog) Mixed broadleaved/conifer woodland GA1, (Improved agricultural grassland) Travelling	

Map Reference No.	Date	VP	Species Name	No. of Birds	Time of flight	Duration of flight (s)	Band 1 (0-10m)	Band 2 (10-25m)	Band 3 PCH (25-175m)	Band 4 (>175m)	Notes on habitat and activity	Comments
LB557	15/06/2017	8	Lesser Black-backed Gull	1	15:25:00	75			75		PB4, (Cutover bog) Mixed broadleaved/conifer woodland GA1, (Improved agricultural grassland) Travelling	
LB558	16/06/2017	5	Lesser Black-backed Gull	1	09:01:00	22		22			PB4, (Cutover bog) WD4, (Conifer plantation) Travelling	
LB559	16/06/2017	5	Lesser Black-backed Gull	1	09:14:00	89		89			PB4, (Cutover bog) WD4, (Conifer plantation) Travelling	
LB560	16/06/2017	5	Lesser Black-backed Gull	3	09:17:00	60		60			PB4, (Cutover bog) WN7, (Bog woodland) Travelling	
LB561	16/06/2017	5	Lesser Black-backed Gull	1	09:17:00	78		78			PB4, (Cutover bog) WN7, (Bog woodland) Travelling	
LB562	16/06/2017	5	Lesser Black-backed Gull	2	09:25:00	39		39			PB4, (Cutover bog) WN7, (Bog woodland) Travelling	
LB563	16/06/2017	5	Lesser Black-backed Gull	1	09:28:00	14				14	PB4, (Cutover bog) PB1, (Raised bog) Travelling	
LB564	16/06/2017	5	Lesser Black-backed Gull	1	09:39:00	19		19			PB4, (Cutover bog) Travelling	
LB565	16/06/2017	5	Lesser Black-backed Gull	1	09:45:00	40		40			PB4, (Cutover bog) WN7, (Bog woodland) Travelling	
LB566	16/06/2017	5	Lesser Black-backed Gull	1	09:51:00	78		78			PB4, (Cutover bog) WN7, (Bog woodland) Travelling	
LB567	16/06/2017	5	Lesser Black-backed Gull	1	09:57:00	54		54			PB4, (Cutover bog) WD4, (Conifer plantation) Travelling	
LB568	16/06/2017	5	Lesser Black-backed Gull	1	10:05:00	30		30			PB4, (Cutover bog) WD4, (Conifer plantation) Travelling	
LB569	16/06/2017	5	Lesser Black-backed Gull	1	10:07:00	35		35			PB4, (Cutover bog) WD4, (Conifer plantation) Travelling	
LB570	16/06/2017	5	Lesser Black-backed Gull	1	10:15:00	69				69	PB4, (Cutover bog) PB1, (Raised bog) Travelling	
LB571	16/06/2017	5	Lesser Black-backed Gull	1	10:17:00	56				56	PB4, (Cutover bog) PB1, (Raised bog) Travelling	
LB572	16/06/2017	5	Lesser Black-backed Gull	1	10:20:00	31	6	25			PB4, (Cutover bog) PB1, (Raised bog) Travelling, Landed in GA1	

Map Reference No.	Date	VP	Species Name	No. of Birds	Time of flight	Duration of flight (s)	Band 1 (0-10m)	Band 2 (10-25m)	Band 3 PCH (25-175m)	Band 4 (>175m)	Notes on habitat and activity	Comments
LB573	16/06/2017	5	Lesser Black-backed Gull	1	10:23:00	94		94			PB4, (Cutover bog woodland) Travelling	
LB574	16/06/2017	5	Lesser Black-backed Gull	1	10:36:00	76	76				PB4, (Cutover bog) Travelling	
LB575	16/06/2017	5	Lesser Black-backed Gull	1	10:43:00	53			53		GA1, (Improved agricultural grassland) (Mixed) broadleaved woodland Travelling	
LB576	16/06/2017	5	Lesser Black-backed Gull	1	10:50:00	12		12			PB4, (Cutover bog) (Conifer plantation) Travelling	
LB577	16/06/2017	5	Lesser Black-backed Gull	1	10:56:00	118			118		PB4, (Cutover bog) Travelling	
LB578	16/06/2017	5	Lesser Black-backed Gull	1	10:57:00	100			100		PB4, (Cutover bog) Travelling	
LB579	16/06/2017	5	Lesser Black-backed Gull	1	10:58:00	80			80		PB4, (Cutover bog) Travelling	
LB580	16/06/2017	5	Lesser Black-backed Gull	1	11:08:00	49		49			PB4, (Cutover bog) Travelling	
LB581	16/06/2017	5	Lesser Black-backed Gull	3	11:20:00	47		47			PB4, (Cutover bog) Travelling	
LB582	16/06/2017	5	Lesser Black-backed Gull	1	11:33:00	29			29		PB4, (Cutover bog) Travelling	
LB583	16/06/2017	5	Lesser Black-backed Gull	1	11:35:00	32		32			PB4, (Cutover bog) Travelling	
LB584	16/06/2017	5	Lesser Black-backed Gull	1	12:46:00	30		30			PB4, (Cutover bog) (Conifer plantation) Travelling	
LB585	16/06/2017	5	Lesser Black-backed Gull	1	12:55:00	101			101		PB4, (Cutover bog) Travelling	
LB586	16/06/2017	5	Lesser Black-backed Gull	1	13:00:00	82		82			PB4, (Cutover bog) Travelling	
LB587	16/06/2017	5	Lesser Black-backed Gull	1	13:04:00	35		35			PB4, (Cutover bog) Travelling	
LB588	16/06/2017	5	Lesser Black-backed Gull	2	13:11:00	63				63	PB4, (Cutover bog) Travelling	

Map Reference No.	Date	VP	Species Name	No. of Birds	Time of flight	Duration of flight (s)	Band 1 (0-10m)	Band 2 (10-25m)	Band 3 PCH (25-175m)	Band 4 (>175m)	Notes on habitat and activity	Comments
LB589	16/06/2017	5	Lesser Black-backed Gull	1	13:22:00	38			38		GA1, (Improved agricultural grassland) PB4, (Cutover bog) Travelling	
LB590	16/06/2017	5	Lesser Black-backed Gull	1	13:24:00	17		17			PB4, (Cutover bog) WD4, (Conifer plantation) Travelling	
LB591	16/06/2017	5	Lesser Black-backed Gull	2	13:26:00	75			75		PB4, (Cutover bog) WD4, (Conifer plantation) Travelling	
LB592	16/06/2017	5	Lesser Black-backed Gull	1	13:28:00	6			6		PB4, (Cutover bog) Travelling	
LB593	16/06/2017	5	Lesser Black-backed Gull	1	13:41:00	58		58			PB4, (Cutover bog) WN7, (Bog woodland) Travelling	
LB594	16/06/2017	5	Lesser Black-backed Gull	1	13:44:00	10		10			PB4, (Cutover bog) WN7, (Bog woodland) Travelling	
LB595	16/06/2017	5	Lesser Black-backed Gull	1	13:46:00	40				40	PB4, (Cutover bog) PB1, (Raised bog) Travelling	
LB596	16/06/2017	5	Lesser Black-backed Gull	1	13:47:00	141			141		PB4, (Cutover bog) PB1, (Raised bog) Travelling	
LB597	16/06/2017	5	Lesser Black-backed Gull	1	13:54:00	37		37			PB4, (Cutover bog) WN7, (Bog woodland) Travelling	
LB598	16/06/2017	5	Lesser Black-backed Gull	1	14:02:00	97			97		PB4, (Cutover bog) WN7, (Bog woodland) Travelling	
LB599	16/06/2017	5	Lesser Black-backed Gull	1	14:20:00	57			57		PB4, (Cutover bog) FS1, (Reed and large sedge swamps) Travelling	
LB600	16/06/2017	5	Lesser Black-backed Gull	1	14:45:00	10			10		GA1, (Improved agricultural grassland) (Mixed) broadleaved woodland Travelling	
LB601	16/06/2017	5	Lesser Black-backed Gull	1	14:49:00	76			76		PB4, (Cutover bog) WN7, (Bog woodland) Travelling	
LB602	17/06/2017	4	Lesser Black-backed Gull	1	09:08:00	70			70		PB4, (Cutover bog) GA1, (Improved agricultural grassland) Travelling	
LB603	17/06/2017	4	Lesser Black-backed Gull	1	09:10:00	16			16		PB4, (Cutover bog) GA1, (Improved agricultural grassland) Travelling	

Map Reference No.	Date	VP	Species Name	No. of Birds	Time of flight	Duration of flight (s)	Band 1 (0-10m)	Band 2 (10-25m)	Band 3 PCH (25-175m)	Band 4 (>175m)	Notes on habitat and activity	Comments
LB604	17/06/2017	4	Lesser Black-backed Gull	1	09:14:00	102			102		PB4, (Cutover bog woodland) Travelling	WN7, (Bog woodland) Travelling
LB605	17/06/2017	4	Lesser Black-backed Gull	1	09:45:00	95		30	65		PB4, (Cutover bog woodland) Travelling	WN7, (Bog woodland) Travelling
LB606	17/06/2017	4	Lesser Black-backed Gull	1	09:56:00	5		5			(Mixed) broadleaved woodland	WN7, (Bog woodland) Travelling
LB607	17/06/2017	4	Lesser Black-backed Gull	2	09:58:00	188		50	138		WN7, (Bog woodland) Travelling	PB4, (Cutover bog) Travelling
LB608	17/06/2017	4	Lesser Black-backed Gull	1	10:09:00	113			113		WN7, (Bog woodland) Travelling	PB4, (Cutover bog) Travelling
LB609	17/06/2017	4	Lesser Black-backed Gull	1	10:16:00	16			16		PB4, (Cutover bog woodland) Travelling	WN7, (Bog woodland) Travelling
LB610	17/06/2017	4	Lesser Black-backed Gull	3	10:20:00	126			126		WD4, (Conifer plantation) Travelling	PB4, (Cutover bog) Travelling
LB611	17/06/2017	4	Lesser Black-backed Gull	2	10:33:00	134				134	PB4, (Cutover bog woodland) Travelling	WN7, (Bog woodland) Travelling
LB612	17/06/2017	4	Lesser Black-backed Gull	1	10:44:00	66			66		PB4, (Cutover bog woodland) Travelling	WN7, (Bog woodland) Travelling
LB613	17/06/2017	4	Lesser Black-backed Gull	1	10:48:00	62			62		PB4, (Cutover bog woodland) Travelling	WN7, (Bog woodland) Travelling
LB614	17/06/2017	4	Lesser Black-backed Gull	3	10:50:00	98				98	FW2, (Depositing/upland rivers) GA1, (Improved agricultural grassland) Circling	
LB615	17/06/2017	4	Lesser Black-backed Gull	1	11:08:00	76			76		PB4, (Cutover bog) broadleaved woodland	(Mixed) Travelling
LB616	17/06/2017	4	Lesser Black-backed Gull	1	11:22:00	22			22		WD4, (Conifer plantation) Travelling	FW2, (Depositing/upland rivers)
LB617	17/06/2017	4	Lesser Black-backed Gull	1	11:32:00	61			61		PB4, (Cutover bog) woodland	WN7, (Bog woodland) Travelling
LB618	17/06/2017	4	Lesser Black-backed Gull	1	12:32:00	35			35		PB4, (Cutover bog) woodland	WN7, (Bog woodland) Travelling
LB619	17/06/2017	4	Lesser Black-backed Gull	3	12:34:00	43			43		PB4, (Cutover bog) woodland	WN7, (Bog woodland) Travelling

Map Reference No.	Date	VP	Species Name	No. of Birds	Time of flight	Duration of flight (s)	Band 1 (0-10m)	Band 2 (10-25m)	Band 3 PCH (25-175m)	Band 4 (>175m)	Notes on habitat and activity	Comments
LB620	17/06/2017	4	Lesser Black-backed Gull	1	15:09:00	58			58		(Mixed) broadleaved woodland PB4, (Cutover bog) Travelling	
LB621	17/06/2017	4	Lesser Black-backed Gull	2	15:22:00	48			48		WN7, (Bog woodland) PB4, (Cutover bog) Travelling	
LB622	19/06/2017	3	Lesser Black-backed Gull	1	09:25:00	37			37		PB4, (Cutover bog) WN7, (Bog woodland) Travelling	
LB623	19/06/2017	3	Lesser Black-backed Gull	1	11:24:00	30			30		FW2, (Depositing/upland rivers) Travelling	
LB624	19/06/2017	3	Lesser Black-backed Gull	2	12:42:00	71			71		FW2, (Depositing/upland rivers) Travelling	
LB625	19/06/2017	3	Lesser Black-backed Gull	1	12:45:00	195				195	FW2, (Depositing/upland rivers) GA1, (Improved agricultural grassland) WN7, (Bog woodland) Travelling	
LB626	19/06/2017	3	Lesser Black-backed Gull	1	12:51:00	46				46	FW2, (Depositing/upland rivers) GA1, (Improved agricultural grassland) WN7, (Bog woodland) Travelling	
LB627	19/06/2017	3	Lesser Black-backed Gull	2	12:57:00	150			150		FW2, (Depositing/upland rivers) GA1, (Improved agricultural grassland) WN7, (Bog woodland) Travelling	
LB628	19/06/2017	3	Lesser Black-backed Gull	1	13:01:00	81			81		PB4, (Cutover bog) WN7, (Bog woodland) Travelling	
LB629	19/06/2017	3	Lesser Black-backed Gull	1	13:07:00	105				105	PB4, (Cutover bog) WN7, (Bog woodland) Travelling	
LB630	19/06/2017	3	Lesser Black-backed Gull	1	13:33:00	2			2		FW2, (Depositing/upland rivers) Travelling	
LB631	19/06/2017	3	Lesser Black-backed Gull	1	13:39:00	117			117		(Mixed) broadleaved woodland GA1, (Improved agricultural grassland) Travelling	
LB632	19/06/2017	3	Lesser Black-backed Gull	1	14:18:00	23			23		(Mixed) broadleaved woodland GA1, (Improved agricultural grassland) Travelling	

Map Reference No.	Date	VP	Species Name	No. of Birds	Time of flight	Duration of flight (s)	Band 1 (0-10m)	Band 2 (10-25m)	Band 3 PCH (25-175m)	Band 4 (>175m)	Notes on habitat and activity	Comments
LB633	19/06/2017	3	Lesser Black-backed Gull	1	14:18:00	2			2		(Mixed) broadleaved woodland GA1, (Improved agricultural grassland) Travelling	
LB634	19/06/2017	3	Lesser Black-backed Gull	3	14:24:00	172			172		(Mixed) broadleaved woodland GA1, (Improved agricultural grassland) Travelling	
LB635	19/06/2017	3	Lesser Black-backed Gull	2	14:31:00	146				146	PB4, (Cutover bog) (Mixed) broadleaved woodland Travelling	
LB636	19/06/2017	3	Lesser Black-backed Gull	1	15:15:00	67			67		FW2, (Depositing/upland rivers) Travelling	
LB637	19/06/2017	3	Lesser Black-backed Gull	1	15:24:00	2			2		FW2, (Depositing/upland rivers) Travelling	
LB638	19/06/2017	3	Lesser Black-backed Gull	3	15:24:00	21			21		FW2, (Depositing/upland rivers) Travelling	
LB639	20/06/2017	1	Lesser Black-backed Gull	1	09:45:00	15			15		FW2, (Depositing/upland rivers) Travelling	
LB640	20/06/2017	1	Lesser Black-backed Gull	1	09:57:00	115				115	GA1, (Improved agricultural grassland) (Mixed) broadleaved woodland Travelling	
LB641	20/06/2017	1	Lesser Black-backed Gull	1	10:00:00	119			119		GS4, (Wet grassland) FW2, (Depositing/upland rivers) Travelling	
LB642	20/06/2017	1	Lesser Black-backed Gull	1	10:00:00	5			5		FW2, (Depositing/upland rivers) Travelling	
LB643	20/06/2017	1	Lesser Black-backed Gull	1	10:04:00	65			65		GA1, (Improved agricultural grassland) (Mixed) broadleaved woodland Travelling	
LB644	20/06/2017	1	Lesser Black-backed Gull	1	10:26:00	96		96			FW2, (Depositing/upland rivers) Travelling	
LB645	20/06/2017	1	Lesser Black-backed Gull	1	10:33:00	10			10		GA1, (Improved agricultural grassland) Travelling	
LB646	20/06/2017	1	Lesser Black-backed Gull	1	10:37:00	5			5		FW2, (Depositing/upland rivers) Travelling	

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LB647	20/06/2017	1	Lesser Black-backed Gull	1	10:45:00	63			63		FW2, (Depositing/upland rivers) Travelling	
LB648	20/06/2017	1	Lesser Black-backed Gull	1	10:55:00	41			41		FW2, (Depositing/upland rivers) GS4, (Wet grassland) Travelling	
LB649	20/06/2017	1	Lesser Black-backed Gull	1	11:10:00	103			103		FW2, (Depositing/upland rivers) Travelling	
LB650	20/06/2017	1	Lesser Black-backed Gull	1	11:44:00	5		5			FW2, (Depositing/upland rivers) Travelling	
LB651	20/06/2017	1	Lesser Black-backed Gull	1	12:00:00	3		3			GA1, (Improved agricultural grassland) (Mixed) broadleaved woodland Travelling	
LB652	20/06/2017	1	Lesser Black-backed Gull	1	13:04	5	5				FW2, (Depositing/upland rivers) Travelling	
LB653	20/06/2017	1	Lesser Black-backed Gull	1	13:10:00	90		90			FW2, (Depositing/upland rivers) Travelling	
LB654	20/06/2017	1	Lesser Black-backed Gull	1	13:19:00	68		68			FW2, (Depositing/upland rivers) Travelling	
LB655	20/06/2017	1	Lesser Black-backed Gull	2	13:33:00	110			110		FW2, (Depositing/upland rivers) Travelling	
LB656	20/06/2017	1	Lesser Black-backed Gull	2	13:40:00	20			20		GS4, (Wet grassland) Travelling	
LB657	20/06/2017	1	Lesser Black-backed Gull	1	13:55:00	7	2	2	3		FW2, (Depositing/upland rivers) Travelling	
LB658	20/06/2017	1	Lesser Black-backed Gull	1	13:58:00	67		67			FW2, (Depositing/upland rivers) Travelling	
LB659	20/06/2017	1	Lesser Black-backed Gull	3	14:25:00	245				245	(Mixed) broadleaved woodland GA1, (Improved agricultural grassland) Circling, Soaring	
LB660	20/06/2017	1	Lesser Black-backed Gull	1	14:42:00	27		7	20		GA1, (Improved agricultural grassland) (Mixed) broadleaved woodland Travelling	
LB661	20/06/2017	1	Lesser Black-backed Gull	2	15:40:00	57			57		GA1, (Improved agricultural grassland) (Mixed) broadleaved woodland Travelling	

Map Reference No.	Date	VP	Species Name	No. of Birds	Time of flight	Duration of flight (s)	Band 1 (0-10m)	Band 2 (10-25m)	Band 3 PCH (25-175m)	Band 4 (>175m)	Notes on habitat and activity	Comments
LB662	20/06/2017	1	Lesser Black-backed Gull	2	15:55:00	99			99		FW2, (Depositing/upland rivers) GS4, (Wet grassland) Travelling	
LB663	21/06/2017	2	Lesser Black-backed Gull	1	09:18:00	44			44		FW2, (Depositing/upland rivers) Travelling	
LB664	21/06/2017	2	Lesser Black-backed Gull	1	09:25:00	176		176			FW2, (Depositing/upland rivers) Travelling	
LB665	21/06/2017	2	Lesser Black-backed Gull	1	09:34:00	57		57			FW2, (Depositing/upland rivers) Travelling	
LB666	21/06/2017	2	Lesser Black-backed Gull	1	9:38	87		87			FW2, (Depositing/upland rivers) Travelling	
LB667	21/06/2017	2	Lesser Black-backed Gull	1	9:45	6	2	4			FW2, (Depositing/upland rivers) Travelling	
LB668	21/06/2017	2	Lesser Black-backed Gull	1	09:46:00	55			55		FW2, (Depositing/upland rivers) Travelling	
LB669	21/06/2017	2	Lesser Black-backed Gull	1	09:47:00	90			90		FW2, (Depositing/upland rivers) Travelling	
LB670	21/06/2017	2	Lesser Black-backed Gull	1	10:04:00	133		133			FW2, (Depositing/upland rivers) Travelling	
LB671	21/06/2017	2	Lesser Black-backed Gull	1	10:15:00	37			37		FW2, (Depositing/upland rivers) GS4, (Wet grassland) Travelling	
LB672	21/06/2017	2	Lesser Black-backed Gull	1	10:27:00	41		41			FW2, (Depositing/upland rivers) Travelling	
LB673	21/06/2017	2	Lesser Black-backed Gull	1	10:31:00	134		134			FW2, (Depositing/upland rivers) (Mixed) broadleaved woodland Travelling	
LB674	21/06/2017	2	Lesser Black-backed Gull	1	11:01:00	34			34		FW2, (Depositing/upland rivers) Travelling	
LB675	21/06/2017	2	Lesser Black-backed Gull	1	11:17:00	57		57			FW2, (Depositing/upland rivers) Travelling	
LB676	21/06/2017	2	Lesser Black-backed Gull	1	11:25:00	87		87			FW2, (Depositing/upland rivers) Travelling	
LB677	21/06/2017	2	Lesser Black-backed Gull	1	11:28:00	166			166		FW2, (Depositing/upland rivers) Travelling	

Map Reference No.	Date	VP	Species Name	No. of Birds	Time of flight	Duration of flight (s)	Band 1 (0-10m)	Band 2 (10-25m)	Band 3 PCH (25-175m)	Band 4 (>175m)	Notes on habitat and activity	Comments
LB678	21/06/2017	2	Lesser Black-backed Gull	1	12:41:00	56			56		FW2, (Depositing/upland rivers) (Mixed) broadleaved woodland Travelling	
LB679	21/06/2017	2	Lesser Black-backed Gull	1	13:03:00	146			146		FW2, (Depositing/upland rivers) (Mixed) broadleaved woodland Travelling	
LB680	21/06/2017	2	Lesser Black-backed Gull	1	13:15:00	40	40				FW2, (Depositing/upland rivers) Travelling, Landed on FW2	
LB681	21/06/2017	2	Lesser Black-backed Gull	1	13:18:00	129			129		FW2, (Depositing/upland rivers) Travelling	
LB682	21/06/2017	2	Lesser Black-backed Gull	1	13:59:00	60		60			FW2, (Depositing/upland rivers) Travelling	
LB683	21/06/2017	2	Lesser Black-backed Gull	1	14:00:00	20		20			FW2, (Depositing/upland rivers) Travelling	
LB684	21/06/2017	2	Lesser Black-backed Gull	2	15:07:00	35			35		FW2, (Depositing/upland rivers) Travelling	
LB685	21/06/2017	2	Lesser Black-backed Gull	1	15:12:00	72		72			FW2, (Depositing/upland rivers) Travelling	
LB686	21/06/2017	2	Lesser Black-backed Gull	1	15:12:00	20		20			FW2, (Depositing/upland rivers) Travelling	
LB687	21/06/2017	2	Lesser Black-backed Gull	1	15:21:00	55		55			(Mixed) broadleaved woodland GA1, (Improved agricultural grassland) Travelling	
LB688	22/06/2017	10	Lesser Black-backed Gull	1	13:30:00	65			65		PB4, (Cutover bog) Mixed broadleaved/conifer woodland GA1, (Improved agricultural grassland) Travelling	
LB689	22/06/2017	10	Lesser Black-backed Gull	1	15:05:00	65		65			PB4, (Cutover bog) Mixed broadleaved/conifer woodland Travelling	
LB690	22/06/2017	10	Lesser Black-backed Gull	1	16:35:00	70				70	PB4, (Cutover bog) Mixed broadleaved/conifer woodland GA1, (Improved agricultural grassland) Travelling	

Map Reference No.	Date	VP	Species Name	No. of Birds	Time of flight	Duration of flight (s)	Band 1 (0-10m)	Band 2 (10-25m)	Band 3 PCH (25-175m)	Band 4 (>175m)	Notes on habitat and activity	Comments
LB691	22/06/2017	10	Lesser Black-backed Gull	1	17:10:00	60		60			PB4, (Cutover bog) Mixed broadleaved/conifer woodland GA1, (Improved agricultural grassland) Travelling	
LB692	22/06/2017	10	Lesser Black-backed Gull	2	17:30:00	55		55			PB4, (Cutover bog) Mixed broadleaved/conifer woodland GA1, (Improved agricultural grassland) Travelling	
LB693	22/06/2017	10	Lesser Black-backed Gull	1	18:20:00	80		80			PB4, (Cutover bog) Mixed broadleaved/conifer woodland GA1, (Improved agricultural grassland) Travelling	
LB694	22/06/2017	10	Lesser Black-backed Gull	1	18:45:00	75		75			PB4, (Cutover bog) Mixed broadleaved/conifer woodland GA1, (Improved agricultural grassland) Travelling	
LB695	23/06/2017	9	Lesser Black-backed Gull	1	06:00:00	40		40			PB4, (Cutover bog) Mixed broadleaved/conifer woodland GA1, (Improved agricultural grassland) Travelling	
LB696	23/06/2017	9	Lesser Black-backed Gull	2	06:15:00	80		80			PB4, (Cutover bog) Mixed broadleaved/conifer woodland GA1, (Improved agricultural grassland) Travelling	
LB697	23/06/2017	9	Lesser Black-backed Gull	1	06:50:00	65		65			PB4, (Cutover bog) Mixed broadleaved/conifer woodland GA1, (Improved agricultural grassland) Travelling	
LB698	23/06/2017	9	Lesser Black-backed Gull	1	07:40:00	40		40			PB4, (Cutover bog) Mixed broadleaved/conifer woodland GA1, (Improved agricultural grassland) Travelling	

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LB699	23/06/2017	9	Lesser Black-backed Gull	2	08:10:00	70					PB4, (Cutover bog) Mixed broadleaved/conifer woodland GA1, (Improved agricultural grassland) Travelling	
LB700	23/06/2017	9	Lesser Black-backed Gull	2	08:30:00	45		45			PB4, (Cutover bog) Mixed broadleaved/conifer woodland GA1, (Improved agricultural grassland) Travelling	
LB701	23/06/2017	9	Lesser Black-backed Gull	15	08:45:00	110		110			PB4, (Cutover bog) Mixed broadleaved/conifer woodland GA1, (Improved agricultural grassland) Travelling	
LB702	23/06/2017	9	Lesser Black-backed Gull	4	08:50:00	65		65			PB4, (Cutover bog) Mixed broadleaved/conifer woodland GA1, (Improved agricultural grassland) Travelling	
LB703	23/06/2017	9	Lesser Black-backed Gull	1	08:55:00	35		35			PB4, (Cutover bog) Mixed broadleaved/conifer woodland GA1, (Improved agricultural grassland) Travelling	
LB704	23/06/2017	9	Lesser Black-backed Gull	2	09:40:00	90		90			PB4, (Cutover bog) Mixed broadleaved/conifer woodland GA1, (Improved agricultural grassland) Travelling	
LB705	23/06/2017	9	Lesser Black-backed Gull	1	09:55:00	60		60			PB4, (Cutover bog) Mixed broadleaved/conifer woodland GA1, (Improved agricultural grassland) Travelling	
LB706	23/06/2017	9	Lesser Black-backed Gull	2	10:35:00	45		45			PB4, (Cutover bog) Mixed broadleaved/conifer woodland GA1, (Improved agricultural grassland) Travelling	

Map Reference No.	Date	VP	Species Name	No. of Birds	Time of flight	Duration of flight (s)	Band 1 (0-10m)	Band 2 (10-25m)	Band 3 PCH (25-175m)	Band 4 (>175m)	Notes on habitat and activity	Comments
LB707	23/06/2017	9	Lesser Black-backed Gull	1	10:50:00	95				95	PB4, (Cutover bog) Mixed broadleaved/conifer woodland GA1, (Improved agricultural grassland) Travelling	
LB708	23/06/2017	9	Lesser Black-backed Gull	1	11:00:00	50		50			PB4, (Cutover bog) Mixed broadleaved/conifer woodland GA1, (Improved agricultural grassland) Travelling	
LB709	23/06/2017	9	Lesser Black-backed Gull	1	11:05:00	20		20			PB4, (Cutover bog) Mixed broadleaved/conifer woodland GA1, (Improved agricultural grassland) Travelling	
LB710	23/06/2017	9	Lesser Black-backed Gull	2	11:20:00	30				30	PB4, (Cutover bog) Mixed broadleaved/conifer woodland GA1, (Improved agricultural grassland) Travelling	
LB711	23/06/2017	9	Lesser Black-backed Gull	1	11:40:00	55		55			PB4, (Cutover bog) Mixed broadleaved/conifer woodland GA1, (Improved agricultural grassland) Travelling	
LB712	23/06/2017	9	Lesser Black-backed Gull	1	11:45:00	140		80		60	PB4, (Cutover bog) Mixed broadleaved/conifer woodland GA1, (Improved agricultural grassland) Travelling	
LB713	23/06/2017	9	Lesser Black-backed Gull	3	12:00:00	95		95			PB4, (Cutover bog) Mixed broadleaved/conifer woodland GA1, (Improved agricultural grassland) Travelling	
LB714	23/06/2017	9	Lesser Black-backed Gull	2	12:05:00	45		45			PB4, (Cutover bog) Mixed broadleaved/conifer woodland GA1, (Improved agricultural grassland) Travelling	
LB715	28/06/2017	7	Lesser Black-backed Gull	3	09:50:00	75				75	PB4, (Cutover bog) GA1, (Improved agricultural grassland) Travelling	

Map Reference No.	Date	VP	Species Name	No. of Birds	Time of flight	Duration of flight (s)	Band 1 (0-10m)	Band 2 (10-25m)	Band 3 PCH (25-175m)	Band 4 (>175m)	Notes on habitat and activity	Comments
LB716	28/06/2017	7	Lesser Black-backed Gull	2	09:55:00	85				85	PB4, (Cutover bog) GA1, (Improved agricultural grassland) Travelling	
LB717	28/06/2017	7	Lesser Black-backed Gull	2	10:00:00	50				50	PB4, (Cutover bog) GA1, (Improved agricultural grassland) Travelling	
LB718	28/06/2017	7	Lesser Black-backed Gull	2	10:10:00	70		70			PB4, (Cutover bog) GA1, (Improved agricultural grassland) Travelling	
LB719	28/06/2017	7	Lesser Black-backed Gull	1	10:40:00	105				105	PB4, (Cutover bog) GA1, (Improved agricultural grassland) Travelling	
LB720	28/06/2017	7	Lesser Black-backed Gull	3	10:50:00	60		60			PB4, (Cutover bog) GA1, (Improved agricultural grassland) Travelling	
LB721	28/06/2017	7	Lesser Black-backed Gull	1	11:15:00	40				40	PB4, (Cutover bog) GA1, (Improved agricultural grassland) Travelling	
LB722	28/06/2017	7	Lesser Black-backed Gull	1	11:30:00	50		50			PB4, (Cutover bog) GA1, (Improved agricultural grassland) Travelling	
LB723	28/06/2017	7	Lesser Black-backed Gull	3	11:50:00	90		90			PB4, (Cutover bog) GA1, (Improved agricultural grassland) Travelling	
LB724	28/06/2017	7	Lesser Black-backed Gull	2	12:00:00	65		65			PB4, (Cutover bog) GA1, (Improved agricultural grassland) Travelling	
LB725	28/06/2017	7	Lesser Black-backed Gull	2	12:05:00	60		60			PB4, (Cutover bog) GA1, (Improved agricultural grassland) Travelling	
LB726	28/06/2017	7	Lesser Black-backed Gull	1	12:15:00	70		70			PB4, (Cutover bog) GA1, (Improved agricultural grassland) Travelling	

Map Reference No.	Date	VP	Species Name	No. of Birds	Time of flight	Duration of flight (s)	Band 1 (0-10m)	Band 2 (10-25m)	Band 3 PCH (25-175m)	Band 4 (>175m)	Notes on habitat and activity	Comments
LB727	28/06/2017	7	Lesser Black-backed Gull	2	13:25:00	90			90		PB4, (Cutover bog) GA1, (Improved agricultural grassland) Travelling	
LB728	28/06/2017	7	Lesser Black-backed Gull	1	13:30:00	130			130		PB4, (Cutover bog) GA1, (Improved agricultural grassland) Travelling	
LB729	28/06/2017	7	Lesser Black-backed Gull	1	13:40:00	115			115		PB4, (Cutover bog) GA1, (Improved agricultural grassland) Travelling	
LB730	28/06/2017	7	Lesser Black-backed Gull	2	13:55:00	90			90		PB4, (Cutover bog) GA1, (Improved agricultural grassland) Travelling	
LB731	28/06/2017	7	Lesser Black-backed Gull	1	14:35:00	120			120		PB4, (Cutover bog) GA1, (Improved agricultural grassland) Travelling	
LB732	28/06/2017	7	Lesser Black-backed Gull	1	14:50:00	120			120		PB4, (Cutover bog) GA1, (Improved agricultural grassland) Travelling	
LB733	28/06/2017	7	Lesser Black-backed Gull	4	15:00:00	110			110		PB4, (Cutover bog) GA1, (Improved agricultural grassland) Travelling	
LB734	28/06/2017	7	Lesser Black-backed Gull	2	15:15:00	70			70		PB4, (Cutover bog) GA1, (Improved agricultural grassland) Travelling	
LB735	28/06/2017	7	Lesser Black-backed Gull	2	15:30:00	155			155		PB4, (Cutover bog) GA1, (Improved agricultural grassland) Travelling	
LB736	28/06/2017	7	Lesser Black-backed Gull	6	15:45:00	80			80		PB4, (Cutover bog) GA1, (Improved agricultural grassland) Travelling	
LB737	28/06/2017	7	Lesser Black-backed Gull	3	15:55:00	95			95		PB4, (Cutover bog) GA1, (Improved agricultural grassland) Travelling	

Map Reference No.	Date	VP	Species Name	No. of Birds	Time of flight	Duration of flight (s)	Band 1 (0-10m)	Band 2 (10-25m)	Band 3 PCH (25-175m)	Band 4 (>175m)	Notes on habitat and activity	Comments
LB738	28/06/2017	7	Lesser Black-backed Gull	1	16:05:00	70			70		PB4, (Cutover bog) GA1, (Improved agricultural grassland) Travelling	
LB739	03/07/2017	11	Lesser Black-backed Gull	2	09:31:00	143			143			
LB740	03/07/2017	11	Lesser Black-backed Gull	2	10:17:00	114		114			WD4, (Conifer plantation) (Mixed) broadleaved woodland PB4, (Cutover bog) Travelling	
LB741	03/07/2017	11	Lesser Black-backed Gull	1	10:51:00	183			183		WD4, (Conifer plantation) PB4, (Cutover bog) Travelling	
LB742	03/07/2017	11	Lesser Black-backed Gull	1	11:12:00	184		184			WD4, (Conifer plantation) PB1, (Raised bog) WN7, (Bog woodland) Travelling	
LB743	03/07/2017	11	Lesser Black-backed Gull	1	11:32:00	128			128		WD4, (Conifer plantation) PB1, (Raised bog) WN7, (Bog woodland) Travelling	
LB744	03/07/2017	11	Lesser Black-backed Gull	1	11:59:00	46		46			WD4, (Conifer plantation) GA1, (Improved agricultural grassland) Travelling	
LB745	04/07/2017	10	Lesser Black-backed Gull	1	10:14	5		5			(Mixed) broadleaved woodland GA1, (Improved agricultural grassland) Travelling	
LB746	04/07/2017	10	Lesser Black-backed Gull	4	10:44:00	87					PB4, (Cutover bog) WN7, (Bog woodland) Travelling	
LB747	04/07/2017	10	Lesser Black-backed Gull	1	11:34:00	15	15				PB4, (Cutover bog) Travelling	
LB748	04/07/2017	10	Lesser Black-backed Gull	2	12:54:00	96			96		PB4, (Cutover bog) WN7, (Bog woodland) Travelling	
LB749	04/07/2017	10	Lesser Black-backed Gull	1	13:07:00	78			78		PB4, (Cutover bog) WD4, (Conifer plantation) Travelling	
LB750	04/07/2017	10	Lesser Black-backed Gull	2	13:16:00	104			104		PB4, (Cutover bog) (Mixed) broadleaved woodland Travelling	

Map Reference No.	Date	VP	Species Name	No. of Birds	Time of flight	Duration of flight (s)	Band 1 (0-10m)	Band 2 (10-25m)	Band 3 PCH (25-175m)	Band 4 (>175m)	Notes on habitat and activity	Comments
LB751	04/07/2017	10	Lesser Black-backed Gull	1	13:38:00	88			88		(Mixed) broadleaved woodland GA1, (Improved agricultural grassland) Travelling	
LB752	04/07/2017	10	Lesser Black-backed Gull	1	13:46:00	164			164		PB4, (Cutover bog) WN7, (Bog woodland) WD4, (Conifer plantation) Travelling	
LB753	04/07/2017	10	Lesser Black-backed Gull	3	13:50:00	88			88		(Mixed) broadleaved woodland PB4, (Cutover bog) GA1, (Improved agricultural grassland) Travelling	
LB754	04/07/2017	10	Lesser Black-backed Gull	1	13:51:00	20	20				PB4, (Cutover bog) (Mixed) broadleaved woodland Travelling	
LB755	04/07/2017	10	Lesser Black-backed Gull	1	13:58:00	144	144				GA1, (Improved agricultural grassland) (Mixed) broadleaved woodland Travelling	
LB756	04/07/2017	10	Lesser Black-backed Gull	1	14:03:00	37			37		PB4, (Cutover bog) WN7, (Bog woodland) Travelling	
LB757	04/07/2017	10	Lesser Black-backed Gull	2	14:16:00	60			60		PB4, (Cutover bog) WN7, (Bog woodland) GA1, (Improved agricultural grassland) Travelling	
LB758	04/07/2017	10	Lesser Black-backed Gull	1	14:41:00	32			32		PB4, (Cutover bog) WN7, (Bog woodland) Travelling	
LB759	05/07/2017	9	Lesser Black-backed Gull	1	09:25:00	48			48		PB4, (Cutover bog) GA1, (Improved agricultural grassland) Travelling	
LB760	05/07/2017	9	Lesser Black-backed Gull	1	09:49:00	132			132		PB4, (Cutover bog) (Mixed) broadleaved woodland Travelling	
LB761	05/07/2017	9	Lesser Black-backed Gull	2	10:11:00	61			61		PB4, (Cutover bog) GA1, (Improved agricultural grassland) Travelling	
LB762	05/07/2017	9	Lesser Black-backed Gull	1	10:56:00	58			58		PB4, (Cutover bog) GA1, (Improved agricultural grassland) Travelling	

Map Reference No.	Date	VP	Species Name	No. of Birds	Time of flight	Duration of flight (s)	Band 1 (0-10m)	Band 2 (10-25m)	Band 3 PCH (25-175m)	Band 4 (>175m)	Notes on habitat and activity	Comments
LB763	05/07/2017	9	Lesser Black-backed Gull	1	11:35:00	23			23		PB4, (Cutover bog woodland) Travelling	
LB764	05/07/2017	9	Lesser Black-backed Gull	5	11:45:00	328				328	PB4, (Cutover bog woodland) (Mixed) broadleaved woodland Travelling, Circling	
LB765	05/07/2017	9	Lesser Black-backed Gull	1	12:48:00	80				80	(Mixed) broadleaved woodland PB4, (Cutover bog) Circling, Soaring	
LB766	05/07/2017	9	Lesser Black-backed Gull	2	12:49:00	10				10	(Mixed) broadleaved woodland PB4, (Cutover bog) Circling, Soaring	
LB767	05/07/2017	9	Lesser Black-backed Gull	1	13:50:00	50				50	PB4, (Cutover bog woodland) Travelling	
LB768	05/07/2017	9	Lesser Black-backed Gull	1	14:18:00	192				192	(Mixed) broadleaved woodland GA1, (Improved agricultural grassland) Circling, Soaring	
LB769	06/07/2017	3	Lesser Black-backed Gull	2	09:00:00	50			50		PB4, (Cutover bog woodland) GA1, (Improved agricultural grassland) Travelling	
LB770	06/07/2017	3	Lesser Black-backed Gull	1	09:02:00	83			83		PB4, (Cutover bog woodland) GA1, (Improved agricultural grassland) Travelling	
LB771	06/07/2017	3	Lesser Black-backed Gull	1	09:06:00	149			149		PB4, (Cutover bog woodland) GA1, (Improved agricultural grassland) Travelling	
LB772	06/07/2017	3	Lesser Black-backed Gull	1	09:10:00	5			5		FW2, (Depositing/upland rivers) Travelling	
LB773	06/07/2017	3	Lesser Black-backed Gull	1	09:11:00	59			59		PB4, (Cutover bog) broadleaved woodland Travelling	
LB774	06/07/2017	3	Lesser Black-backed Gull	1	09:26:00	51				51	FW2, (Depositing/upland rivers) Travelling	
LB775	06/07/2017	3	Lesser Black-backed Gull	1	09:36:00	17					GA1, (Improved agricultural grassland) (Mixed) broadleaved woodland Travelling	

Map Reference No.	Date	VP	Species Name	No. of Birds	Time of flight	Duration of flight (s)	Band 1 (0-10m)	Band 2 (10-25m)	Band 3 PCH (25-175m)	Band 4 (>175m)	Notes on habitat and activity	Comments
LB776	06/07/2017	3	Lesser Black-backed Gull	4	09:46:00	149			149		PB4, (Cutover bog woodland) Travelling	
LB777	06/07/2017	3	Lesser Black-backed Gull	1	09:47:00	64			64		PB4, (Cutover bog woodland) GA1, (Improved agricultural grassland) Travelling	
LB778	06/07/2017	3	Lesser Black-backed Gull	1	09:55:00	24		24			GA1, (Improved agricultural grassland) (Mixed) broadleaved woodland Travelling	
LB779	06/07/2017	3	Lesser Black-backed Gull	1	10:01:00	66			66		FW2, (Depositing/upland rivers) Travelling	
LB780	06/07/2017	3	Lesser Black-backed Gull	1	10:06:00	50		50			PB4, (Cutover bog woodland) GA1, (Improved agricultural grassland) Travelling	
LB781	06/07/2017	3	Lesser Black-backed Gull	1	10:11:00	53			53		PB4, (Cutover bog) broadleaved woodland Travelling	
LB782	06/07/2017	3	Lesser Black-backed Gull	6	10:16:00	68			68		PB4, (Cutover bog) broadleaved woodland Travelling	
LB783	06/07/2017	3	Lesser Black-backed Gull	1	10:33:00	99		48	51		(Mixed) broadleaved woodland GA1, (Improved agricultural grassland) Travelling	
LB784	06/07/2017	3	Lesser Black-backed Gull	1	10:45:00	168			168		(Mixed) broadleaved woodland GA1, (Improved agricultural grassland) WN7, (Bog woodland) Travelling	
LB785	06/07/2017	3	Lesser Black-backed Gull	2	10:47:00	65			65		(Mixed) broadleaved woodland GA1, (Improved agricultural grassland) WN7, (Bog woodland) Travelling	
LB786	06/07/2017	3	Lesser Black-backed Gull	1	10:58:00	94		94			FW2, (Depositing/upland rivers) GA1, (Improved agricultural grassland) Travelling	
LB787	06/07/2017	3	Lesser Black-backed Gull	1	12:35:00	101			101		PB4, (Cutover bog) broadleaved woodland Travelling	

Map Reference No.	Date	VP	Species Name	No. of Birds	Time of flight	Duration of flight (s)	Band 1 (0-10m)	Band 2 (10-25m)	Band 3 PCH (25-175m)	Band 4 (>175m)	Notes on habitat and activity	Comments
LB788	06/07/2017	3	Lesser Black-backed Gull	4	12:38:00	107			107		PB4, (Cutover bog) (Mixed) broadleaved woodland GA1, (Improved agricultural grassland) Travelling	
LB789	06/07/2017	3	Lesser Black-backed Gull	1	12:53:00	96			96		#REF!	
LB790	06/07/2017	3	Lesser Black-backed Gull	1	13:10:00	10			10		(Mixed) broadleaved woodland GA1, (Improved agricultural grassland) Travelling	
LB791	06/07/2017	3	Lesser Black-backed Gull	1	13:38:00	137			137		(Mixed) broadleaved woodland GA1, (Improved agricultural grassland) Travelling	
LB792	06/07/2017	3	Lesser Black-backed Gull	1	14:11:00	132			132		(Mixed) broadleaved woodland WN7, (Bog woodland) GA1, (Improved agricultural grassland) Travelling	
LB793	06/07/2017	3	Lesser Black-backed Gull	1	14:26:00	86			86		(Mixed) broadleaved woodland WN7, (Bog woodland) PB4, (Cutover bog) Travelling	
LB794	06/07/2017	3	Lesser Black-backed Gull	3	14:33:00	24			24		(Mixed) broadleaved woodland WN7, (Bog woodland) PB4, (Cutover bog) Travelling	
LB795	06/07/2017	3	Lesser Black-backed Gull	2	14:41:00	20		20			PB4, (Cutover bog) WN7, (Bog woodland) Travelling	
LB796	06/07/2017	3	Lesser Black-backed Gull	1	15:12:00	318			318		(Mixed) broadleaved woodland WN7, (Bog woodland) PB4, (Cutover bog) Travelling	
LB797	11/07/2017	4	Lesser Black-backed Gull	1	09:45:00	15		15			PB4, (Cutover bog) Travelling	
LB798	11/07/2017	4	Lesser Black-backed Gull	1	10:10:00	3		3			PB4, (Cutover bog) WN7, (Bog woodland) (Mixed) broadleaved woodland Travelling	
LB799	11/07/2017	4	Lesser Black-backed Gull	15	10:13:00	38		38			(Mixed) broadleaved woodland GA1, (Improved agricultural grassland) Travelling	

Map Reference No.	Date	VP	Species Name	No. of Birds	Time of flight	Duration of flight (s)	Band 1 (0-10m)	Band 2 (10-25m)	Band 3 PCH (25-175m)	Band 4 (>175m)	Notes on habitat and activity	Comments
LB800	11/07/2017	4	Lesser Black-backed Gull	9	10:15:00	199		199			PB4, (Cutover bog) WN7, (Bog woodland) (Mixed) broadleaved woodland Travelling	
LB801	11/07/2017	4	Lesser Black-backed Gull	3	10:21:00	88		88			(Mixed) broadleaved woodland GA1, (Improved agricultural grassland) Travelling	
LB802	11/07/2017	4	Lesser Black-backed Gull	3	10:23:00	58		58			(Mixed) broadleaved woodland GA1, (Improved agricultural grassland) Travelling	
LB803	11/07/2017	4	Lesser Black-backed Gull	1	10:26:00	90		90			PB4, (Cutover bog) WN7, (Bog woodland) Travelling	
LB804	11/07/2017	4	Lesser Black-backed Gull	1	10:26:00	97		97			PB4, (Cutover bog) WN7, (Bog woodland) (Mixed) broadleaved woodland Travelling	
LB805	11/07/2017	4	Lesser Black-backed Gull	34	10:33:00	112		112			PB4, (Cutover bog) (Mixed) broadleaved woodland GA1, (Improved agricultural grassland) Travelling	
LB806	11/07/2017	4	Lesser Black-backed Gull	1	10:38:00	53		53			WN7, (Bog woodland) PB4, (Cutover bog) Travelling	
LB807	11/07/2017	4	Lesser Black-backed Gull	1	10:59:00	97			97		WN7, (Bog woodland) PB4, (Cutover bog) Travelling	
LB808	11/07/2017	4	Lesser Black-backed Gull	1	10:59:00	77			77		WN7, (Bog woodland) PB4, (Cutover bog) Travelling	
LB809	11/07/2017	4	Lesser Black-backed Gull	1	11:03:00	87		87			FW2, (Depositing/upland rivers) Travelling	
LB810	11/07/2017	4	Lesser Black-backed Gull	1	11:08:00	102		102			WN7, (Bog woodland) PB4, (Cutover bog) (Mixed) broadleaved woodland Travelling	
LB811	11/07/2017	4	Lesser Black-backed Gull	2	11:08:00	60		60			WN7, (Bog woodland) PB4, (Cutover bog) (Mixed) broadleaved woodland Travelling	
LB812	11/07/2017	4	Lesser Black-backed Gull	1	11:10:00	15		15			PB4, (Cutover bog) Travelling	

Map Reference No.	Date	VP	Species Name	No. of Birds	Time of flight	Duration of flight (s)	Band 1 (0-10m)	Band 2 (10-25m)	Band 3 PCH (25-175m)	Band 4 (>175m)	Notes on habitat and activity	Comments
LB813	11/07/2017	4	Lesser Black-backed Gull	2	11:22:00	224		224			PB4, (Cutover bog woodland) Travelling	
LB814	11/07/2017	4	Lesser Black-backed Gull	1	11:25:00	62		62			PB4, (Cutover bog woodland) Travelling	
LB815	11/07/2017	4	Lesser Black-backed Gull	1	11:27:00	89		89			PB4, (Cutover bog woodland) Travelling	
LB816	11/07/2017	4	Lesser Black-backed Gull	2	11:32:00	199			199		WN7, (Bog woodland) broadleaved woodland (Mixed) GAI, (Improved agricultural grassland) Travelling	
LB817	11/07/2017	4	Lesser Black-backed Gull	1	11:48:00	94		94			WN7, (Bog woodland) broadleaved woodland (Mixed) GAI, (Improved agricultural grassland) Travelling	
LB818	11/07/2017	4	Lesser Black-backed Gull	1	11:52:00	22		22			(Mixed) broadleaved woodland GAI, (Improved agricultural grassland) Travelling	
LB819	11/07/2017	4	Lesser Black-backed Gull	2	11:53:00	15		15			(Mixed) broadleaved woodland GAI, (Improved agricultural grassland) Travelling	
LB820	11/07/2017	4	Lesser Black-backed Gull	2	11:55:00	33					(Mixed) broadleaved woodland GAI, (Improved agricultural grassland) Travelling	Appeared to land in GA1
LB821	11/07/2017	4	Lesser Black-backed Gull	2	11:58:00	75		75			(Mixed) broadleaved woodland GAI, (Improved agricultural grassland) Travelling	
LB822	11/07/2017	4	Lesser Black-backed Gull	1	11:58:00	70		70			(Mixed) broadleaved woodland GAI, (Improved agricultural grassland) Travelling	
LB823	11/07/2017	4	Lesser Black-backed Gull	1	13:20:00	67		67			PB4, (Cutover bog woodland) Travelling	
LB824	11/07/2017	4	Lesser Black-backed Gull	11	13:24:00	79		79			PB4, (Cutover bog woodland) Travelling	

Map Reference No.	Date	VP	Species Name	No. of Birds	Time of flight	Duration of flight (s)	Band 1 (0-10m)	Band 2 (10-25m)	Band 3 PCH (25-175m)	Band 4 (>175m)	Notes on habitat and activity	Comments
LB825	11/07/2017	4	Lesser Black-backed Gull	1	13:45:00	68		68			(Mixed) broadleaved woodland FW2, (Depositing/upland rivers) Travelling	
LB826	11/07/2017	4	Lesser Black-backed Gull	1	14:21:00	92		92			(Mixed) broadleaved woodland FW2, (Depositing/upland rivers) Travelling	
LB827	11/07/2017	4	Lesser Black-backed Gull	2	14:23:00	123		123			PB4, (Cutover bog) WN7, (Bog woodland) Travelling	
LB828	11/07/2017	4	Lesser Black-backed Gull	1	14:24:00	69		69			PB4, (Cutover bog) WN7, (Bog woodland) Travelling	
LB829	11/07/2017	4	Lesser Black-backed Gull	1	14:32:00	101		101			PB4, (Cutover bog) WN7, (Bog woodland) Travelling	
LB830	11/07/2017	4	Lesser Black-backed Gull	1	14:39:00	106		16	90		PB4, (Cutover bog) WN7, (Bog woodland) Travelling	
LB831	11/07/2017	4	Lesser Black-backed Gull	1	14:43:00	131		131			PB4, (Cutover bog) WN7, (Bog woodland) Travelling	
LB832	11/07/2017	4	Lesser Black-backed Gull	2	14:48:00	120		120			PB4, (Cutover bog) WN7, (Bog woodland) Travelling	
LB833	11/07/2017	4	Lesser Black-backed Gull	1	14:52:00	140			140		PB4, (Cutover bog) WN7, (Bog woodland) Travelling	
LB834	11/07/2017	4	Lesser Black-backed Gull	1	14:52:00	70			70		PB4, (Cutover bog) WN7, (Bog woodland) Travelling	
LB835	11/07/2017	4	Lesser Black-backed Gull	1	15:01:00	49		49			PB4, (Cutover bog) WN7, (Bog woodland) Travelling	
LB836	11/07/2017	4	Lesser Black-backed Gull	2	15:01:00	120		120			PB4, (Cutover bog) WN7, (Bog woodland) Travelling	
LB837	11/07/2017	4	Lesser Black-backed Gull	1	15:05:00	85		85			PB4, (Cutover bog) WN7, (Bog woodland) Travelling	
LB838	11/07/2017	4	Lesser Black-backed Gull	1	15:05:00	66		66			PB4, (Cutover bog) WN7, (Bog woodland) Travelling	
LB839	11/07/2017	4	Lesser Black-backed Gull	1	15:11:00	456		456			PB4, (Cutover bog) WN7, (Bog woodland) Travelling	
LB840	11/07/2017	4	Lesser Black-backed Gull	1	15:20:00	45		45			PB4, (Cutover bog) (Mixed) broadleaved woodland Travelling	

Map Reference No.	Date	VP	Species Name	No. of Birds	Time of flight	Duration of flight (s)	Band 1 (0-10m)	Band 2 (10-25m)	Band 3 PCH (25-175m)	Band 4 (>175m)	Notes on habitat and activity	Comments
LB841	11/07/2017	4	Lesser Black-backed Gull	1	15:27:00	105		105			PB4, (Cutover bog woodland) Travelling	
LB842	11/07/2017	4	Lesser Black-backed Gull	1	15:37:00	120			120		PB4, (Cutover bog woodland) Travelling	
LB843	11/07/2017	4	Lesser Black-backed Gull	1	15:37:00	141			141		PB4, (Cutover bog woodland) Travelling	
LB844	11/07/2017	4	Lesser Black-backed Gull	1	15:38:00	10		10			PB4, (Cutover bog woodland) Travelling	
LB845	13/07/2017	7	Lesser Black-backed Gull	1	09:10:00	70		70			PB4, (Cutover bog) GA1, (Improved agricultural grassland) (Mixed) broadleaved woodland Travelling	
LB846	13/07/2017	7	Lesser Black-backed Gull	1	09:10:00	20		20			PB4, (Cutover bog) WN7, (Bog woodland) Travelling	
LB847	13/07/2017	7	Lesser Black-backed Gull	2	09:35:00	85		85			PB4, (Cutover bog) (Mixed) broadleaved woodland Travelling	
LB848	13/07/2017	7	Lesser Black-backed Gull	2	09:44:00	180		180			PB4, (Cutover bog) WN7, (Bog woodland) Travelling	
LB849	13/07/2017	7	Lesser Black-backed Gull	2	10:01:00	116		116			PB4, (Cutover bog) WN7, (Bog woodland) (Mixed) broadleaved woodland Travelling	
LB850	13/07/2017	7	Lesser Black-backed Gull	3	10:04:00	196		196			PB4, (Cutover bog) WN7, (Bog woodland) (Mixed) broadleaved woodland Travelling	
LB851	13/07/2017	7	Lesser Black-backed Gull	1	10:04:00	15		15			PB4, (Cutover bog) WN7, (Bog woodland) Travelling	
LB852	13/07/2017	7	Lesser Black-backed Gull	2	10:25:00	37		37			PB4, (Cutover bog) Travelling	Fresh Juv' (first of year) & 2CY in moult
LB853	13/07/2017	7	Lesser Black-backed Gull	3	10:44:00	30		30			PB4, (Cutover bog) WN7, (Bog woodland) GA1, (Improved agricultural grassland) Travelling	

Map Reference No.	Date	VP	Species Name	No. of Birds	Time of flight	Duration of flight (s)	Band 1 (0-10m)	Band 2 (10-25m)	Band 3 PCH (25-175m)	Band 4 (>175m)	Notes on habitat and activity	Comments
LB854	13/07/2017	7	Lesser Black-backed Gull	5	10:47:00	30		30			PB4, (Cutover bog woodland) GA1, (Improved agricultural grassland) Travelling	
LB855	13/07/2017	7	Lesser Black-backed Gull	3	10:58:00	187		187			PB4, (Cutover bog woodland) GA1, (Improved agricultural grassland) Travelling	
LB856	13/07/2017	7	Lesser Black-backed Gull	4	11:45:00	65		65			PB4, (Cutover bog woodland) (Mixed) broadleaved woodland Travelling	
LB857	13/07/2017	7	Lesser Black-backed Gull	2	12:39:00	101		101			PB4, (Cutover bog woodland) (Mixed) broadleaved woodland Travelling	
LB858	13/07/2017	7	Lesser Black-backed Gull	4	12:39:00	90		90			PB4, (Cutover bog woodland) (Mixed) broadleaved woodland Travelling	
LB859	13/07/2017	7	Lesser Black-backed Gull	1	12:46:00	98		98			PB4, (Cutover bog woodland) (Mixed) broadleaved woodland Travelling	
LB860	13/07/2017	7	Lesser Black-backed Gull	1	13:05:00	132		132			PB4, (Cutover bog woodland) (Mixed) broadleaved woodland Travelling	
LB861	13/07/2017	7	Lesser Black-backed Gull	1	13:47:00	109		109			PB4, (Cutover bog woodland) Travelling	
LB862	13/07/2017	7	Lesser Black-backed Gull	3	13:57:00	51		51			PB4, (Cutover bog) GA1, (Improved agricultural grassland) Travelling	
LB863	13/07/2017	7	Lesser Black-backed Gull	2	14:19	51		51			PB4, (Cutover bog woodland) Travelling	
LB864	13/07/2017	7	Lesser Black-backed Gull	1	14:25	97		97			PB4, (Cutover bog woodland) (Mixed) broadleaved woodland Travelling	
LB865	13/07/2017	7	Lesser Black-backed Gull	2	14:54:00	94	27	67			PB4, (Cutover bog woodland) Travelling	

Map Reference No.	Date	VP	Species Name	No. of Birds	Time of flight	Duration of flight (s)	Band 1 (0-10m)	Band 2 (10-25m)	Band 3 PCH (25-175m)	Band 4 (>175m)	Notes on habitat and activity	Comments
LB866	14/07/2017	1	Lesser Black-backed Gull	1	09:22:00	184		154	30		GS4, (Wet grassland) (Mixed) broadleaved woodland WD4, (Conifer plantation) Travelling	
LB867	14/07/2017	1	Lesser Black-backed Gull	1	09:22:00	40		40			GS4, (Wet grassland) GA1, (Improved agricultural grassland) Travelling	
LB868	14/07/2017	1	Lesser Black-backed Gull	1	09:25:00	20			20		PB4, (Cutover bog) Travelling	
LB869	14/07/2017	1	Lesser Black-backed Gull	2	09:28:00	103			103		FW2, (Depositing/upland rivers) PB4, (Cutover bog) GS4, (Wet grassland) Travelling	
LB870	14/07/2017	1	Lesser Black-backed Gull	5	09:38:00	26		26			GS4, (Wet grassland) GA1, (Improved agricultural grassland) Travelling	3 fresh juveniles
LB871	14/07/2017	1	Lesser Black-backed Gull	2	09:47:00	72		72			GS4, (Wet grassland) GA1, (Improved agricultural grassland) Travelling	
LB872	14/07/2017	1	Lesser Black-backed Gull	2	09:50:00	120			120		PB4, (Cutover bog) (Mixed) broadleaved woodland Travelling	
LB873	14/07/2017	1	Lesser Black-backed Gull	1	09:50:00	157			157		PB4, (Cutover bog) GS4, (Wet grassland) Travelling	
LB874	14/07/2017	1	Lesser Black-backed Gull	1	10:22:00	74		74			GA1, (Improved agricultural grassland) (Mixed) broadleaved woodland Travelling	
LB875	14/07/2017	1	Lesser Black-backed Gull	1	11:51:00	91		91			GS4, (Wet grassland) FW2, (Depositing/upland rivers) Travelling	
LB876	14/07/2017	1	Lesser Black-backed Gull	1	12:39:00	130		130			GS4, (Wet grassland) FW2, (Depositing/upland rivers) Travelling	
LB877	14/07/2017	1	Lesser Black-backed Gull	1	13:15:00	18			18		FW2, (Depositing/upland rivers) GA1, (Improved agricultural grassland) Travelling	

Map Reference No.	Date	VP	Species Name	No. of Birds	Time of flight	Duration of flight (s)	Band 1 (0-10m)	Band 2 (10-25m)	Band 3 PCH (25-175m)	Band 4 (>175m)	Notes on habitat and activity	Comments
LB878	14/07/2017	1	Lesser Black-backed Gull	1	13:17:00	22		22			FW2, (Depositing/upland rivers) Travelling	
LB879	14/07/2017	1	Lesser Black-backed Gull	2	13:44:00	104		104			FW2, (Depositing/upland rivers) Travelling	
LB880	14/07/2017	1	Lesser Black-backed Gull	1	13:53:00	20		20			FW2, (Depositing/upland rivers) GS4, (Wet grassland) Travelling	
LB881	14/07/2017	1	Lesser Black-backed Gull	3	14:46:00	129		129			FW2, (Depositing/upland rivers) (Mixed) broadleaved woodland Travelling	
LB882	14/07/2017	1	Lesser Black-backed Gull	1	14:54:00	46		46			GS4, (Wet grassland) GA1, (Improved agricultural grassland) Travelling	
LB883	14/07/2017	1	Lesser Black-backed Gull	2	15:15:00	65	65				GS4, (Wet grassland) GA1, (Improved agricultural grassland) Travelling	
LB884	14/07/2017	1	Lesser Black-backed Gull	1	15:20:00	45		45			GS4, (Wet grassland) GA1, (Improved agricultural grassland) Travelling	
LB001	15/07/2017	2	Lesser Black-backed Gull	1	13:49:00	49		49			FW2, (Depositing/upland rivers) (Mixed) broadleaved woodland Travelling	
LB885	15/07/2017	2	Lesser Black-backed Gull	1	09:21:00	146		146			FW2, (Depositing/upland rivers) GS4, (Wet grassland) Travelling	
LB886	15/07/2017	2	Lesser Black-backed Gull	1	09:54:00	88		88			FW2, (Depositing/upland rivers) (Mixed) broadleaved woodland Travelling	
LB887	15/07/2017	2	Lesser Black-backed Gull	5	09:57:00	120		120			FW2, (Depositing/upland rivers) Travelling	3 adults, 2 juveniles
LB888	15/07/2017	2	Lesser Black-backed Gull	1	10:09:00	190			190		FW2, (Depositing/upland rivers) (Mixed) broadleaved woodland Travelling	
LB889	15/07/2017	2	Lesser Black-backed Gull	1	11:25:00	121		121			FW2, (Depositing/upland rivers) GS4, (Wet grassland) Travelling	

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LB890	15/07/2017	2	Lesser Black-backed Gull	1	11:34:00	36		36			FW2, (Depositing/upland rivers) (Mixed) broadleaved woodland Travelling	
LB891	15/07/2017	2	Lesser Black-backed Gull	1	11:48:00	139		139			FW2, (Depositing/upland rivers) Travelling	
LB892	15/07/2017	2	Lesser Black-backed Gull	1	11:51:00	8		8			(Mixed) broadleaved woodland Travelling	
LB893	15/07/2017	2	Lesser Black-backed Gull	1	13:05:00	66		66			FW2, (Depositing/upland rivers) (Mixed) broadleaved woodland Travelling	
LB894	15/07/2017	2	Lesser Black-backed Gull	1	13:08:00	32		32			FW2, (Depositing/upland rivers) Travelling	
LB895	15/07/2017	2	Lesser Black-backed Gull	1	13:08:00	59		59			(Mixed) broadleaved woodland Travelling	
LB896	15/07/2017	2	Lesser Black-backed Gull	2	13:35:00	48		48			FW2, (Depositing/upland rivers) (Mixed) broadleaved woodland Travelling	
LB897	15/07/2017	2	Lesser Black-backed Gull	1	14:04:00	39		39			FW2, (Depositing/upland rivers) Travelling	
LB898	15/07/2017	2	Lesser Black-backed Gull	1	14:15:00	10		10			FW2, (Depositing/upland rivers) Travelling	
LB899	15/07/2017	2	Lesser Black-backed Gull	1	14:44:00	91		91			FW2, (Depositing/upland rivers) (Mixed) broadleaved woodland Travelling	
LB900	15/07/2017	2	Lesser Black-backed Gull	1	14:41:00	22		22			FW2, (Depositing/upland rivers) (Mixed) broadleaved woodland Travelling	
LB901	15/07/2017	2	Lesser Black-backed Gull	1	14:53:00	58		58			FW2, (Depositing/upland rivers) Travelling	
LB902	15/07/2017	2	Lesser Black-backed Gull	1	14:56:00	60		60			FW2, (Depositing/upland rivers) Travelling	
LB903	15/07/2017	2	Lesser Black-backed Gull	1	15:15:00	74		74			FW2, (Depositing/upland rivers) Travelling	

Map Reference No.	Date	VP	Species Name	No. of Birds	Time of flight	Duration of flight (s)	Band 1 (0-10m)	Band 2 (10-25m)	Band 3 PCH (25-175m)	Band 4 (>175m)	Notes on habitat and activity	Comments
LB904	15/07/2017	2	Lesser Black-backed Gull	2	15:25:00	19					FW2, (Depositing/upland rivers) Travelling	
LB905	16/07/2017	6	Lesser Black-backed Gull	5	09:02:00	60		60			PB4, (Cutover bog) (Mixed) broadleaved woodland Travelling	
LB906	16/07/2017	6	Lesser Black-backed Gull	3	09:06:00	25					PB4, (Cutover bog) (Mixed) broadleaved woodland Travelling	
LB907	16/07/2017	6	Lesser Black-backed Gull	9	09:12:00	200		200			PB4, (Cutover bog) (Mixed) broadleaved woodland Travelling	
LB908	16/07/2017	6	Lesser Black-backed Gull	8	9:16	127		127			WN7, (Bog woodland) PB4, (Cutover bog) (Mixed) broadleaved woodland Travelling	
LB909	16/07/2017	6	Lesser Black-backed Gull	7	9:19	149		149			WN7, (Bog woodland) PB4, (Cutover bog) (Mixed) broadleaved woodland Travelling	
LB910	16/07/2017	6	Lesser Black-backed Gull	2	09:24:00	188		188			WN7, (Bog woodland) PB4, (Cutover bog) (Mixed) broadleaved woodland Travelling	
LB911	16/07/2017	6	Lesser Black-backed Gull	1	09:25:00	36		36			WN7, (Bog woodland) PB4, (Cutover bog) (Mixed) broadleaved woodland Travelling	
LB912	16/07/2017	6	Lesser Black-backed Gull	1	09:27:00	135		135			WN7, (Bog woodland) PB4, (Cutover bog) (Mixed) broadleaved woodland Travelling	
LB913	16/07/2017	6	Lesser Black-backed Gull	1	09:31:00	60		60			WN7, (Bog woodland) PB4, (Cutover bog) (Mixed) broadleaved woodland Travelling	
LB914	16/07/2017	6	Lesser Black-backed Gull	1	09:31:00	106		106			WN7, (Bog woodland) PB4, (Cutover bog) (Mixed) broadleaved woodland Travelling	
LB915	16/07/2017	6	Lesser Black-backed Gull	1	09:35:00	97		60		37	WN7, (Bog woodland) PB4, (Cutover bog) Travelling	
LB916	16/07/2017	6	Lesser Black-backed Gull	3	09:38:00	15		15			GA1, (Improved agricultural grassland) (Mixed) broadleaved woodland Travelling	

Map Reference No.	Date	VP	Species Name	No. of Birds	Time of flight	Duration of flight (s)	Band 1 (0-10m)	Band 2 (10-25m)	Band 3 PCH (25-175m)	Band 4 (>175m)	Notes on habitat and activity	Comments
LB917	16/07/2017	6	Lesser Black-backed Gull	6	09:51:00	223			223		GA1, (Improved agricultural grassland) (Mixed) broadleaved woodland Travelling	
LB918	16/07/2017	6	Lesser Black-backed Gull	5	10:05:00	50	50				GA1, (Improved agricultural grassland) (Mixed) broadleaved woodland WN7, (Bog woodland) Travelling	
LB919	16/07/2017	6	Lesser Black-backed Gull	15	10:11:00	334			334		WN7, (Bog woodland) Travelling	
LB920	16/07/2017	6	Lesser Black-backed Gull	1	10:36:00	51			51		GA1, (Improved agricultural grassland) (Mixed) broadleaved woodland WN7, (Bog woodland) Travelling	
LB921	16/07/2017	6	Lesser Black-backed Gull	3	10:45:00	266			266		GA1, (Improved agricultural grassland) (Mixed) broadleaved woodland WN7, (Bog woodland) Travelling	
LB922	16/07/2017	6	Lesser Black-backed Gull	1	10:52:00	24		24			WN7, (Bog woodland) Travelling	
LB923	16/07/2017	6	Lesser Black-backed Gull	7	11:12:00	281			281		GA1, (Improved agricultural grassland) (Mixed) broadleaved woodland WN7, (Bog woodland) Travelling	
LB924	16/07/2017	6	Lesser Black-backed Gull	9	11:25:00	133			133		GA1, (Improved agricultural grassland) (Mixed) broadleaved woodland WN7, (Bog woodland) Travelling	
LB925	16/07/2017	6	Lesser Black-backed Gull	1	11:42:00	107			107		GA1, (Improved agricultural grassland) (Mixed) broadleaved woodland WN7, (Bog woodland) Travelling	
LB926	16/07/2017	6	Lesser Black-backed Gull	1	11:53:00	54		54			GA1, (Improved agricultural grassland) (Mixed) broadleaved woodland WN7, (Bog woodland) Travelling	

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LB927	16/07/2017	6	Lesser Black-backed Gull	1	11:53:00	140			140		GAI, (Improved agricultural grassland) (Mixed) broadleaved woodland WN7, (Bog woodland) Travelling	
LB928	16/07/2017	6	Lesser Black-backed Gull	4	11:54:00	76			76		GAI, (Improved agricultural grassland) (Mixed) broadleaved woodland WN7, (Bog woodland) Travelling	
LB929	16/07/2017	6	Lesser Black-backed Gull	2	11:55:00	80			80		Travelling	
LB930	16/07/2017	6	Lesser Black-backed Gull	2	12:34:00	37	37				GAI, (Improved agricultural grassland) (Mixed) broadleaved woodland Travelling	
LB931	16/07/2017	6	Lesser Black-backed Gull	1	12:36:00	59			59		GAI, (Improved agricultural grassland) (Mixed) broadleaved woodland Travelling	
LB932	16/07/2017	6	Lesser Black-backed Gull	1	12:41:00	135			135		PB4, (Cutover bog) (Mixed) broadleaved woodland GAI, (Improved agricultural grassland) Travelling	
LB933	16/07/2017	6	Lesser Black-backed Gull	6	12:53:00	158				158	PB4, (Cutover bog) (Mixed) broadleaved woodland GAI, (Improved agricultural grassland) Travelling	
LB934	16/07/2017	6	Lesser Black-backed Gull	5	13:00:00	170			170		PB4, (Cutover bog) (Mixed) broadleaved woodland GAI, (Improved agricultural grassland) Travelling	
LB935	16/07/2017	6	Lesser Black-backed Gull	6	13:15:00	145				145	PB4, (Cutover bog) (Mixed) broadleaved woodland GAI, (Improved agricultural grassland) Travelling	

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LB936	16/07/2017	6	Lesser Black-backed Gull	5	14:03:00	229			229		PB4, (Cutover bog) (Mixed) broadleaved woodland GA1, (Improved agricultural grassland) Travelling	
LB937	16/07/2017	6	Lesser Black-backed Gull	1	14:11:00	97			97		PB4, (Cutover bog) (Mixed) broadleaved woodland GA1, (Improved agricultural grassland) Travelling	
LB938	16/07/2017	6	Lesser Black-backed Gull	1	14:19:00	52			52		PB4, (Cutover bog) (Mixed) broadleaved woodland GA1, (Improved agricultural grassland) Travelling	
LB939	16/07/2017	6	Lesser Black-backed Gull	1	14:40:00	30			30		PB4, (Cutover bog) (Mixed) broadleaved woodland GA1, (Improved agricultural grassland) Travelling	
LB940	16/07/2017	6	Lesser Black-backed Gull	1	14:46:00	10			10		GA1, (Improved agricultural grassland) (Mixed) broadleaved woodland Travelling	
LB941	16/07/2017	6	Lesser Black-backed Gull	2	15:00:00	30		30			GA1, (Improved agricultural grassland) Travelling	
LB942	16/07/2017	6	Lesser Black-backed Gull	5	15:10:00	179				179	PB4, (Cutover bog) (Mixed) broadleaved woodland GA1, (Improved agricultural grassland) Travelling	
LB943	16/07/2017	6	Lesser Black-backed Gull	1	15:27:00	52			52		GA1, (Improved agricultural grassland) (Mixed) broadleaved woodland Travelling	
LB944	17/07/2017	5	Lesser Black-backed Gull	5	08:58:00	81		81			WN7, (Bog woodland) PB4, (Cutover bog) Travelling	
LB945	17/07/2017	5	Lesser Black-backed Gull	1	09:05:00	24		24			WN7, (Bog woodland) PB4, (Cutover bog) Travelling	
LB946	17/07/2017	5	Lesser Black-backed Gull	1	09:07:00	30		30			(Mixed) broadleaved woodland GA1, (Improved agricultural grassland) Travelling	

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LB947	17/07/2017	5	Lesser Black-backed Gull	1	09:07:00	81					(Mixed) broadleaved woodland GA1, (Improved agricultural grassland) Travelling	
LB948	17/07/2017	5	Lesser Black-backed Gull	1	09:09:00	43					PB4, (Cutover bog) WN7, (Bog woodland) Travelling	
LB949	17/07/2017	5	Lesser Black-backed Gull	1	09:27:00	165					PB4, (Cutover bog) WN7, (Bog woodland) GA1, (Improved agricultural grassland) Travelling	
LB950	17/07/2017	5	Lesser Black-backed Gull	1	10:08:00	131					PB4, (Cutover bog) WN7, (Bog woodland) GA1, (Improved agricultural grassland) Travelling	
LB951	17/07/2017	5	Lesser Black-backed Gull	5	10:13:00	126					PB4, (Cutover bog) WN7, (Bog woodland) GA1, (Improved agricultural grassland) Travelling	
LB952	17/07/2017	5	Lesser Black-backed Gull	4	10:17:00	101					PB4, (Cutover bog) WN7, (Bog woodland) GA1, (Improved agricultural grassland) Travelling	
LB953	17/07/2017	5	Lesser Black-backed Gull	3	10:20:00	138					PB4, (Cutover bog) WN7, (Bog woodland) GA1, (Improved agricultural grassland) Travelling	
LB954	17/07/2017	5	Lesser Black-backed Gull	5	10:24:00	120					PB4, (Cutover bog) WN7, (Bog woodland) GA1, (Improved agricultural grassland) Travelling	
LB955	17/07/2017	5	Lesser Black-backed Gull	1	10:25:00	20					PB4, (Cutover bog) WN7, (Bog woodland) GA1, (Improved agricultural grassland) Travelling	
LB956	17/07/2017	5	Lesser Black-backed Gull	4	10:36:00	17	17				PB4, (Cutover bog) (Mixed) broadleaved woodland Travelling	
LB957	17/07/2017	5	Lesser Black-backed Gull	1	10:39:00	65					PB4, (Cutover bog) (Mixed) broadleaved woodland Travelling	
LB958	17/07/2017	5	Lesser Black-backed Gull	1	10:39:00	12					PB4, (Cutover bog) (Mixed) broadleaved woodland Travelling	
LB959	17/07/2017	5	Lesser Black-backed Gull	1	10:42:00	60					WN7, (Bog woodland) PB4, (Cutover bog) Travelling	

Map Reference No.	Date	VP	Species Name	No. of Birds	Time of flight	Duration of flight (s)	Band 1 (0-10m)	Band 2 (10-25m)	Band 3 PCH (25-175m)	Band 4 (>175m)	Notes on habitat and activity	Comments
LB960	17/07/2017	5	Lesser Black-backed Gull	1	10:44:00	73					PB4, (Cutover bog woodland) WN7, (Bog woodland) (Mixed) broadleaved woodland Travelling	
LB961	17/07/2017	5	Lesser Black-backed Gull	1	10:45:00	62					PB4, (Cutover bog woodland) WN7, (Bog woodland) (Mixed) broadleaved woodland Travelling	
LB962	17/07/2017	5	Lesser Black-backed Gull	1	10:56:00	31					PB4, (Cutover bog) broadleaved woodland Travelling	
LB963	17/07/2017	5	Lesser Black-backed Gull	1	11:00:00	121					PB4, (Cutover bog) broadleaved woodland Travelling	
LB964	17/07/2017	5	Lesser Black-backed Gull	8	11:16:00	40					PB4, (Cutover bog woodland) WN7, (Bog woodland) Travelling	1 juv & 1 2CY
LB965	17/07/2017	5	Lesser Black-backed Gull	1	11:26:00	29					PB4, (Cutover bog woodland) WN7, (Bog woodland) GA1, (Improved agricultural grassland) Travelling	
LB966	17/07/2017	5	Lesser Black-backed Gull	1	11:49:00	54					PB4, (Cutover bog woodland) WN7, (Bog woodland) GA1, (Improved agricultural grassland) Travelling	
LB967	17/07/2017	5	Lesser Black-backed Gull	1	11:49:00	81					PB4, (Cutover bog) WD4, (Conifer plantation) Travelling	
LB968	17/07/2017	5	Lesser Black-backed Gull	5	11:50:00	74					PB4, (Cutover bog) Travelling	
LB969	17/07/2017	5	Lesser Black-backed Gull	1	11:54:00	30		30			PB4, (Cutover bog) Travelling	
LB970	17/07/2017	5	Lesser Black-backed Gull	1	12:38:00	18	18				PB4, (Cutover bog) WN7, (Bog woodland) (Mixed) broadleaved woodland Travelling	
LB971	17/07/2017	5	Lesser Black-backed Gull	2	12:44:00	54					PB4, (Cutover bog) WN7, (Bog woodland) (Mixed) broadleaved woodland Travelling	
LB972	17/07/2017	5	Lesser Black-backed Gull	1	12:58:00	51					PB4, (Cutover bog) Travelling	
LB973	17/07/2017	5	Lesser Black-backed Gull	5	13:06:00	244		244			PB4, (Cutover bog) Travelling	

Map Reference No.	Date	VP	Species Name	No. of Birds	Time of flight	Duration of flight (s)	Band 1 (0-10m)	Band 2 (10-25m)	Band 3 PCH (25-175m)	Band 4 (>175m)	Notes on habitat and activity	Comments
LB974	17/07/2017	5	Lesser Black-backed Gull	2	13:11:00	13		13			(Mixed) broadleaved woodland GA1, (Improved agricultural grassland) Travelling	
LB975	17/07/2017	5	Lesser Black-backed Gull	1	13:13:00	97			97		(Mixed) broadleaved woodland GA1, (Improved agricultural grassland) WN7, (Bog woodland) Travelling	
LB976	17/07/2017	5	Lesser Black-backed Gull	1	13:19:00	10		10			(Mixed) broadleaved woodland GA1, (Improved agricultural grassland) WN7, (Bog woodland) Travelling	
LB977	17/07/2017	5	Lesser Black-backed Gull	1	13:21	37		37			PB4, (Cutover bog) Travelling	
LB978	17/07/2017	5	Lesser Black-backed Gull	1	13:23	79		79			WN7, (Bog woodland) PB4, (Cutover bog) GA1, (Improved agricultural grassland) Travelling	
LB979	17/07/2017	5	Lesser Black-backed Gull	2	13:26:00	55		55			PB4, (Cutover bog) WN7, (Bog woodland) GA1, (Improved agricultural grassland) Travelling	
LB980	17/07/2017	5	Lesser Black-backed Gull	1	13:50:00	6		6			Travelling	
LB981	17/07/2017	5	Lesser Black-backed Gull	1	13:50:00	150		150			WN7, (Bog woodland) PB4, (Cutover bog) (Mixed) broadleaved woodland Travelling	
LB982	17/07/2017	5	Lesser Black-backed Gull	1	13:52:00	15		15			PB4, (Cutover bog) Travelling	
LB983	17/07/2017	5	Lesser Black-backed Gull	1	14:07:00	79		79			GA1, (Improved agricultural grassland) (Mixed) broadleaved woodland Travelling	
LB984	17/07/2017	5	Lesser Black-backed Gull	1	14:10:00	60		60			PB4, (Cutover bog) WN7, (Bog woodland) Travelling	
LB985	17/07/2017	5	Lesser Black-backed Gull	2	14:13:00	45		45			PB4, (Cutover bog) WN7, (Bog woodland) Travelling	

Map Reference No.	Date	VP	Species Name	No. of Birds	Time of flight	Duration of flight (s)	Band 1 (0-10m)	Band 2 (10-25m)	Band 3 PCH (25-175m)	Band 4 (>175m)	Notes on habitat and activity	Comments
LB986	17/07/2017	5	Lesser Black-backed Gull	2	14:15:00	45		45			WN7, (Bog woodland) PB4, (Cutover bog) (Mixed) broadleaved woodland Travelling	
LB987	17/07/2017	5	Lesser Black-backed Gull	1	14:16:00	48		48			WN7, (Bog woodland) PB4, (Cutover bog) (Mixed) broadleaved woodland Travelling	
LB988	17/07/2017	5	Lesser Black-backed Gull	1	14:17:00	23		23			WN7, (Bog woodland) PB4, (Cutover bog) (Mixed) broadleaved woodland Travelling	
LB989	17/07/2017	5	Lesser Black-backed Gull	1	14:20:00	68		68			#REF!	
LB990	17/07/2017	5	Lesser Black-backed Gull	1	14:38:00	50		50			#REF!	
LB991	17/07/2017	5	Lesser Black-backed Gull	1	14:50:00	133			133		#REF!	
LB992	01/08/2017	3	Lesser Black-backed Gull	10	05:08:00	20		20			PB4, (Cutover bog) (Mixed) broadleaved woodland Travelling	2 Juv
LB993	01/08/2017	3	Lesser Black-backed Gull	10	05:17:00	76			76		PB4, (Cutover bog) (Mixed) broadleaved woodland Travelling	
LB994	01/08/2017	3	Lesser Black-backed Gull	4	05:18:00	15			15		PB4, (Cutover bog) (Mixed) broadleaved woodland Travelling	
LB995	01/08/2017	3	Lesser Black-backed Gull	1	05:21:00	76			76		PB4, (Cutover bog) (Mixed) broadleaved woodland GAI, (Improved agricultural grassland) Travelling	
LB996	01/08/2017	3	Lesser Black-backed Gull	2	06:05:00	52		52			(Mixed) broadleaved woodland PB4, (Cutover bog) Travelling	1 Juv
LB997	01/08/2017	3	Lesser Black-backed Gull	2	06:10:00	100		100			(Mixed) broadleaved woodland GAI, (Improved agricultural grassland) Travelling	1 Juv
LB998	01/08/2017	3	Lesser Black-backed Gull	3	06:21:00	46		46			(Mixed) broadleaved woodland PB4, (Cutover bog) Travelling	
LB999	01/08/2017	3	Lesser Black-backed Gull	1	06:26:00	40					(Mixed) broadleaved woodland PB4, (Cutover bog) Travelling	

Map Reference No.	Date	VP	Species Name	No. of Birds	Time of flight	Duration of flight (s)	Band 1 (0-10m)	Band 2 (10-25m)	Band 3 PCH (25-175m)	Band 4 (>175m)	Notes on habitat and activity	Comments
LB1000	01/08/2017	3	Lesser Black-backed Gull	3	06:27:00	16					(Mixed) broadleaved woodland PB4, (Cutover bog) Travelling	
LB1001	01/08/2017	3	Lesser Black-backed Gull	1	06:28:00	44		44			(Mixed) broadleaved woodland PB4, (Cutover bog) Travelling	
LB1002	01/08/2017	3	Lesser Black-backed Gull	2	06:36:00	157		157			(Mixed) broadleaved woodland PB4, (Cutover bog) GA1, (Improved agricultural grassland) Travelling	
LB1003	01/08/2017	3	Lesser Black-backed Gull	6	06:37:00	70		70			(Mixed) broadleaved woodland PB4, (Cutover bog) GA1, (Improved agricultural grassland) Travelling	2 Juv
LB1004	01/08/2017	3	Lesser Black-backed Gull	3	06:50:00	35		35			(Mixed) broadleaved woodland PB4, (Cutover bog) Travelling	
LB1005	01/08/2017	3	Lesser Black-backed Gull	1	06:51:00	135		135			PB4, (Cutover bog) (Mixed) broadleaved woodland Travelling	
LB1006	01/08/2017	3	Lesser Black-backed Gull	5	06:55:00	58		58			(Mixed) broadleaved woodland GA1, (Improved agricultural grassland) WN7, (Bog woodland) Travelling	
LB1007	01/08/2017	3	Lesser Black-backed Gull	8	06:58:00	49		49			(Mixed) broadleaved woodland GA1, (Improved agricultural grassland) WN7, (Bog woodland) Travelling	
LB1008	01/08/2017	3	Lesser Black-backed Gull	10	06:59:00	71		71			(Mixed) broadleaved woodland GA1, (Improved agricultural grassland) WN7, (Bog woodland) Travelling	
LB1009	01/08/2017	3	Lesser Black-backed Gull	12	07:02:00	18		18			PB4, (Cutover bog) Travelling	
LB1010	01/08/2017	3	Lesser Black-backed Gull	7	07:03:00	48		48			PB4, (Cutover bog) (Mixed) broadleaved woodland Travelling	
LB1011	01/08/2017	3	Lesser Black-backed Gull	5	07:04:00	96		96			PB4, (Cutover bog) (Mixed) broadleaved woodland Travelling	

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LB1012	01/08/2017	3	Lesser Black-backed Gull	6	07:06:00	15					PB4, (Cutover bog) Travelling	
LB1013	01/08/2017	3	Lesser Black-backed Gull	1	07:11:00	166					PB4, (Cutover bog) (Mixed) broadleaved woodland GAI, (Improved agricultural grassland) Travelling	
LB1014	01/08/2017	3	Lesser Black-backed Gull	13	07:13:00	30					PB4, (Cutover bog) Travelling	
LB1015	01/08/2017	3	Lesser Black-backed Gull	1	07:16:00	30					PB4, (Cutover bog) (Mixed) broadleaved woodland Travelling	
LB1016	01/08/2017	3	Lesser Black-backed Gull	2	07:17:00	30					PB4, (Cutover bog) (Mixed) broadleaved woodland Travelling	1 Juv
LB1017	01/08/2017	3	Lesser Black-backed Gull	1	07:43:00	109					PB4, (Cutover bog) (Mixed) broadleaved woodland GAI, (Improved agricultural grassland) Travelling	
LB1018	01/08/2017	3	Lesser Black-backed Gull	2	08:22:00	106		106			PB4, (Cutover bog) (Mixed) broadleaved woodland GAI, (Improved agricultural grassland) Travelling	
LB1019	01/08/2017	3	Lesser Black-backed Gull	1	08:54:00	25	25				(Mixed) broadleaved woodland PB4, (Cutover bog) Travelling	
LB1020	01/08/2017	3	Lesser Black-backed Gull	1	09:26:00	53		53			(Mixed) broadleaved woodland PB4, (Cutover bog) Travelling	
LB1021	02/08/2017	11	Lesser Black-backed Gull	1	06:33:00	10		10			(Mixed) broadleaved woodland PB4, (Cutover bog) Travelling	
LB1022	02/08/2017	11	Lesser Black-backed Gull	1	06:42:00	25		25			PB4, (Cutover bog) Travelling	
LB1023	02/08/2017	11	Lesser Black-backed Gull	2	06:43:00	22		22			PB4, (Cutover bog) Travelling	
LB1024	02/08/2017	11	Lesser Black-backed Gull	2	07:13:00	179		179			PB4, (Cutover bog) (Mixed) broadleaved woodland WN7, (Bog woodland) Travelling	

Map Reference No.	Date	VP	Species Name	No. of Birds	Time of flight	Duration of flight (s)	Band 1 (0-10m)	Band 2 (10-25m)	Band 3 PCH (25-175m)	Band 4 (>175m)	Notes on habitat and activity	Comments
LB1025	03/08/2017	10	Lesser Black-backed Gull	2	05:02:00	25		25			PB4, (Cutover bog) Travelling, Calling	Seen & Heard
LB1026	03/08/2017	10	Lesser Black-backed Gull	2	06:24:00	257			257		PB4, (Cutover bog) GA1, (Improved agricultural grassland) (Mixed) broadleaved woodland Travelling	
LB1027	03/08/2017	10	Lesser Black-backed Gull	2	06:43:00	119			119		PB4, (Cutover bog) GA1, (Improved agricultural grassland) (Mixed) broadleaved woodland Travelling	
LB1028	03/08/2017	10	Lesser Black-backed Gull	1	09:52:00	318			318		PB4, (Cutover bog) Mixed broadleaved/conifer woodland WN7, (Bog woodland) Travelling	
LB1029	03/08/2017	10	Lesser Black-backed Gull	1	10:52:00	164		164			PB4, (Cutover bog) Mixed broadleaved/conifer woodland GA1, (Improved agricultural grassland) Travelling	
LB1030	05/08/2017	8	Lesser Black-backed Gull	1	06:29:00	127			127		PB4, (Cutover bog) GA1, (Improved agricultural grassland) Mixed broadleaved/conifer woodland Travelling	
LB1031	05/08/2017	8	Lesser Black-backed Gull	1	06:41:00	189			189		PB4, (Cutover bog) GA1, (Improved agricultural grassland) Mixed broadleaved/conifer woodland Travelling	
LB1032	05/08/2017	8	Lesser Black-backed Gull	1	07:35:00	84		84			PB4, (Cutover bog) GA1, (Improved agricultural grassland) Mixed broadleaved/conifer woodland Travelling	
LB1033	06/08/2017	4	Lesser Black-backed Gull	2	06:00:00	95			95		PB4, (Cutover bog) WN7, (Bog woodland) Travelling	
LB1034	06/08/2017	4	Lesser Black-backed Gull	2	06:15:00	66					FW2, (Depositing/upland rivers) Travelling	

Map Reference No.	Date	VP	Species Name	No. of Birds	Time of flight	Duration of flight (s)	Band 1 (0-10m)	Band 2 (10-25m)	Band 3 PCH (25-175m)	Band 4 (>175m)	Notes on habitat and activity	Comments
LB1035	06/08/2017	4	Lesser Black-backed Gull	1	07:01:00	30		30			PB4, (Cutover bog woodland) GA1, (Improved agricultural grassland) Travelling	
LB1036	06/08/2017	4	Lesser Black-backed Gull	1	07:46:00	30		30			PB4, (Cutover bog woodland) GA1, (Improved agricultural grassland) Travelling	
LB1037	06/08/2017	4	Lesser Black-backed Gull	2	09:03:00	92		92			PB4, (Cutover bog woodland) Travelling	1CY with Adult
LB1038	07/08/2017	7	Lesser Black-backed Gull	27	05:39:00	94		94			PB4, (Cutover bog) GA1, (Improved agricultural grassland) (Mixed) broadleaved woodland Travelling, Calling	
LB1039	07/08/2017	7	Lesser Black-backed Gull	15	06:05:00	152		152			PB4, (Cutover bog) GA1, (Improved agricultural grassland) (Mixed) broadleaved woodland Travelling	
LB1040	07/08/2017	7	Lesser Black-backed Gull	7	06:31:00	149		149			PB4, (Cutover bog) GA1, (Improved agricultural grassland) (Mixed) broadleaved woodland Travelling	3 x 2CY, 1x 1CY
LB1041	07/08/2017	7	Lesser Black-backed Gull	2	06:35:00	110		110			PB4, (Cutover bog) GA1, (Improved agricultural grassland) (Mixed) broadleaved woodland Travelling	1x 1CY
LB1042	07/08/2017	7	Lesser Black-backed Gull	1	06:45:00	236		236			PB4, (Cutover bog) GA1, (Improved agricultural grassland) WN7, (Bog woodland) Travelling	Landed GA1
LB1043	07/08/2017	7	Lesser Black-backed Gull	5	07:28:00	50	25	25			PB4, (Cutover bog) GA1, (Improved agricultural grassland) Travelling	Landed GA1
LB1044	07/08/2017	7	Lesser Black-backed Gull	1	07:37:00	36	6	30			PB4, (Cutover bog) GA1, (Improved agricultural grassland) Travelling	Landed GA1
LB1045	07/08/2017	7	Lesser Black-backed Gull	6	07:42:00	20	20				GA1, (Improved agricultural grassland) Circling briefly	Landed GA1

Map Reference No.	Date	VP	Species Name	No. of Birds	Time of flight	Duration of flight (s)	Band 1 (0-10m)	Band 2 (10-25m)	Band 3 PCH (25-175m)	Band 4 (>175m)	Notes on habitat and activity	Comments
LB1046	07/08/2017	7	Lesser Black-backed Gull	2	07:43:00	102	10	92			PB4, (Cutover bog) GA1, (Improved agricultural grassland) Travelling	
LB1047	07/08/2017	7	Lesser Black-backed Gull	23	08:30:00	150		150			PB4, (Cutover bog) GA1, (Improved agricultural grassland) (Mixed) broadleaved woodland Travelling	
LB1048	07/08/2017	7	Lesser Black-backed Gull	7	08:38:00	109		109			PB4, (Cutover bog) GA1, (Improved agricultural grassland) (Mixed) broadleaved woodland Travelling	
LB1049	07/08/2017	7	Lesser Black-backed Gull	1	08:46:00	105		105			PB4, (Cutover bog) GA1, (Improved agricultural grassland) (Mixed) broadleaved woodland Travelling	
LB1050	07/08/2017	7	Lesser Black-backed Gull	1	08:56:00	219		219			PB4, (Cutover bog) GA1, (Improved agricultural grassland) (Mixed) broadleaved woodland Travelling	
LB1051	07/08/2017	7	Lesser Black-backed Gull	2	09:04:00	230		230			PB4, (Cutover bog) GA1, (Improved agricultural grassland) (Mixed) broadleaved woodland Travelling	
LB1052	07/08/2017	7	Lesser Black-backed Gull	4	09:11:00	41	41				GA1, (Improved agricultural grassland) Travelling	
LB1053	07/08/2017	7	Lesser Black-backed Gull	1	09:38:00	64		64			PB4, (Cutover bog) WN7, (Bog woodland) (Mixed) broadleaved woodland Travelling	
LB1054	08/08/2017	6	Lesser Black-backed Gull	2	05:18:00	30		30				
LB1055	08/08/2017	6	Lesser Black-backed Gull	14	05:39:00	62		62				
LB1056	08/08/2017	6	Lesser Black-backed Gull	2	05:44:00	82		82				

Map Reference No.	Date	VP	Species Name	No. of Birds	Time of flight	Duration of flight (s)	Band 1 (0-10m)	Band 2 (10-25m)	Band 3 PCH (25-175m)	Band 4 (>175m)	Notes on habitat and activity	Comments
LB1057	08/08/2017	6	Lesser Black-backed Gull	8	05:47:00	287			189			
LB1058	08/08/2017	6	Lesser Black-backed Gull	2	05:50:00	102			102			
LB1059	08/08/2017	6	Lesser Black-backed Gull	1	06:12:00	84			84			
LB1060	08/08/2017	6	Lesser Black-backed Gull	6	06:50:00	144			144			
LB1061	08/08/2017	6	Lesser Black-backed Gull	2	06:53:00	129			129			
LB1062	08/08/2017	6	Lesser Black-backed Gull	1	07:05:00	146			146			
LB1063	08/08/2017	6	Lesser Black-backed Gull	10	07:05:00	146			146			
LB1064	08/08/2017	6	Lesser Black-backed Gull	4	07:23:00	146			146			
LB1065	08/08/2017	6	Lesser Black-backed Gull	1	07:30:00	143	143					
LB1066	08/08/2017	6	Lesser Black-backed Gull	1	07:30:00	253			253			
K093	08/08/2017	6	Kestrel	1	07:42:00	3	3					
LB1068	08/08/2017	6	Lesser Black-backed Gull	2	07:44:00	122			122			
LB1069	08/08/2017	6	Lesser Black-backed Gull	1	08:37:00	88			88			
LB1070	08/08/2017	6	Lesser Black-backed Gull	7	08:50:00	146			146			
LB1071	08/08/2017	6	Lesser Black-backed Gull	3	09:01:00	280			280			
LB1072	08/08/2017	6	Lesser Black-backed Gull	2	09:15:00	19			19			
LB1073	08/08/2017	6	Lesser Black-backed Gull	2	09:22:00	87			87			

Map Reference No.	Date	VP	Species Name	No. of Birds	Time of flight	Duration of flight (s)	Band 1 (0-10m)	Band 2 (10-25m)	Band 3 PCH (25-175m)	Band 4 (>175m)	Notes on habitat and activity	Comments
LB1074	08/08/2017	6	Lesser Black-backed Gull	4	09:22:00	35						
LB1075	08/08/2017	6	Lesser Black-backed Gull	1	09:37:00	31						
LB1076	08/08/2017	6	Lesser Black-backed Gull	1	09:47:00	78						
LB1077	08/08/2017	8	Lesser Black-backed Gull	2	05:18:00	30		30			PB4, (Cutover bog) Travelling	
LB1078	08/08/2017	8	Lesser Black-backed Gull	14	05:39:00	62		62			PB4, (Cutover bog) WN7, (Bog woodland) Travelling	
LB1079	08/08/2017	8	Lesser Black-backed Gull	2	05:44:00	82		82			PB4, (Cutover bog) WN7, (Bog woodland) GA1, (Improved agricultural grassland) Travelling	
LB1080	08/08/2017	8	Lesser Black-backed Gull	8	05:47:00	189		189			PB4, (Cutover bog) WN7, (Bog woodland) GA1, (Improved agricultural grassland) Travelling	
LB1081	08/08/2017	8	Lesser Black-backed Gull	2	05:50:00	102		102			PB4, (Cutover bog) WN7, (Bog woodland) GA1, (Improved agricultural grassland) Travelling	
LB1082	08/08/2017	8	Lesser Black-backed Gull	1	06:12:00	84		84			PB4, (Cutover bog) WD4, (Conifer plantation) Travelling	
LB1083	08/08/2017	8	Lesser Black-backed Gull	6	06:50:00	144		144			GA1, (Improved agricultural grassland) Travelling	1 x 1CY
LB1084	08/08/2017	8	Lesser Black-backed Gull	2	06:53:00	129		129			PB4, (Cutover bog) GA1, (Improved agricultural grassland) Travelling	1 x 1CY
LB1085	08/08/2017	8	Lesser Black-backed Gull	1	07:05:00	146		146			GA1, (Improved agricultural grassland) Travelling	
LB1086	08/08/2017	8	Lesser Black-backed Gull	10	07:05:00	146		146			GA1, (Improved agricultural grassland) Travelling	
LB1087	08/08/2017	8	Lesser Black-backed Gull	4	07:23:00	146		146			GA1, (Improved agricultural grassland) Travelling	2 x 1CY
LB1088	08/08/2017	8	Lesser Black-backed Gull	1	07:30:00	143	143				GA1, (Improved agricultural grassland) Travelling	

Map Reference No.	Date	VP	Species Name	No. of Birds	Time of flight	Duration of flight (s)	Band 1 (0-10m)	Band 2 (10-25m)	Band 3 PCH (25-175m)	Band 4 (>175m)	Notes on habitat and activity	Comments
LB1089	08/08/2017	8	Lesser Black-backed Gull	1	07:30:00	253			253		GA1, (Improved agricultural grassland) Travelling	
LB1090	08/08/2017	8	Lesser Black-backed Gull	2	07:44:00	122			122		GA1, (Improved agricultural grassland) Travelling	
LB1091	08/08/2017	8	Lesser Black-backed Gull	1	08:37:00	88			88		GA1, (Improved agricultural grassland) Travelling	
LB1092	08/08/2017	8	Lesser Black-backed Gull	7	08:50:00	146			146		GA1, (Improved agricultural grassland) Travelling	
LB1093	08/08/2017	8	Lesser Black-backed Gull	3	09:01:00	280			280		GA1, (Improved agricultural grassland) Travelling	
LB1094	08/08/2017	8	Lesser Black-backed Gull	2	09:15:00	19			19		GA1, (Improved agricultural grassland) Travelling	
LB1095	08/08/2017	8	Lesser Black-backed Gull	2	09:22:00	87			87		GA1, (Improved agricultural grassland) Travelling	
LB1096	08/08/2017	8	Lesser Black-backed Gull	4	09:22:00	35		35			PB4, (Cutover bog) GA1, (Improved agricultural grassland) Travelling	
LB1097	08/08/2017	8	Lesser Black-backed Gull	1	09:37:00	31		31			PB4, (Cutover bog) Travelling	
LB1098	08/08/2017	8	Lesser Black-backed Gull	1	09:47:00	78		78			GA1, (Improved agricultural grassland) Travelling	
LB1099	09/08/2017	5	Lesser Black-backed Gull	27	05:09:00	285		285			PB4, (Cutover bog) WN7, (Bog woodland) GA1, (Improved agricultural grassland) Travelling, Calling	
LB1100	09/08/2017	5	Lesser Black-backed Gull	20	05:28:00	52		52			PB4, (Cutover bog) WN7, (Bog woodland) Travelling, Calling	
LB1101	09/08/2017	5	Lesser Black-backed Gull	25	05:30:00	187		187			PB4, (Cutover bog) WN7, (Bog woodland) GA1, (Improved agricultural grassland) Travelling, Calling	

Map Reference No.	Date	VP	Species Name	No. of Birds	Time of flight	Duration of flight (s)	Band 1 (0-10m)	Band 2 (10-25m)	Band 3 PCH (25-175m)	Band 4 (>175m)	Notes on habitat and activity	Comments
LB1102	09/08/2017	5	Lesser Black-backed Gull	12	05:32:00	67		67			PB4, (Cutover bog) WN7, (Bog woodland) GA1, (Improved agricultural grassland) Travelling, Calling	
LB1103	09/08/2017	5	Lesser Black-backed Gull	18	05:35:00	233		233			PB4, (Cutover bog) WN7, (Bog woodland) GA1, (Improved agricultural grassland) Travelling, Calling	
LB1104	09/08/2017	5	Lesser Black-backed Gull	2	05:42:00	62		62			GA1, (Improved agricultural grassland) Travelling, Calling	
LB1105	09/08/2017	5	Lesser Black-backed Gull	5	05:45:00	98		98			GA1, (Improved agricultural grassland) Travelling, Calling	
LB1106	09/08/2017	5	Lesser Black-backed Gull	4	05:48:00	88		88			GA1, (Improved agricultural grassland) Travelling, Calling	
LB1107	09/08/2017	5	Lesser Black-backed Gull	16	05:49:00	267		267			GA1, (Improved agricultural grassland) Travelling, Calling	
LB1108	09/08/2017	5	Lesser Black-backed Gull	16	05:54:00	280		280			GA1, (Improved agricultural grassland) Travelling, Calling	
LB1109	09/08/2017	5	Lesser Black-backed Gull	16	06:04:00	221		221			GA1, (Improved agricultural grassland) Travelling, Calling	
LB1110	09/08/2017	5	Lesser Black-backed Gull	16	06:06:00	230		230			GA1, (Improved agricultural grassland) Travelling, Calling	
LB1111	09/08/2017	5	Lesser Black-backed Gull	1	06:26:00	72		72			GA1, (Improved agricultural grassland) Travelling, Calling	
LB1112	09/08/2017	5	Lesser Black-backed Gull	2	07:01:00	72		72			PB4, (Cutover bog) WN7, (Bog woodland) GA1, (Improved agricultural grassland) Travelling, Calling	
LB1113	09/08/2017	5	Lesser Black-backed Gull	1	07:04:00	282		282			PB4, (Cutover bog) WN7, (Bog woodland) GA1, (Improved agricultural grassland) Travelling, Calling	

Map Reference No.	Date	VP	Species Name	No. of Birds	Time of flight	Duration of flight (s)	Band 1 (0-10m)	Band 2 (10-25m)	Band 3 PCH (25-175m)	Band 4 (>175m)	Notes on habitat and activity	Comments
LB1114	09/08/2017	5	Lesser Black-backed Gull	3	07:13:00	68		68			PB4, (Cutover bog) WN7, (Bog woodland) GA1, (Improved agricultural grassland) Travelling, Calling	
LB1115	09/08/2017	5	Lesser Black-backed Gull	14	07:17:00	106		106			PB4, (Cutover bog) WN7, (Bog woodland) GA1, (Improved agricultural grassland) Travelling	
LB1116	09/08/2017	5	Lesser Black-backed Gull	1	07:23:00	171		171			PB4, (Cutover bog) WN7, (Bog woodland) GA1, (Improved agricultural grassland) Travelling	
LB1117	09/08/2017	5	Lesser Black-backed Gull	1	07:31:00	16		16			PB4, (Cutover bog) WN7, (Bog woodland) GA1, (Improved agricultural grassland) Travelling	
LB1118	09/08/2017	5	Lesser Black-backed Gull	1	07:26:00	119				119	PB4, (Cutover bog) WN7, (Bog woodland) Travelling	
LB1119	09/08/2017	5	Lesser Black-backed Gull	7	08:35:00	140				140	PB4, (Cutover bog) WN7, (Bog woodland) Travelling	
LB1120	09/08/2017	5	Lesser Black-backed Gull	10	08:40:00	131			131		PB4, (Cutover bog) WN7, (Bog woodland) Travelling	
LB1121	09/08/2017	5	Lesser Black-backed Gull	1	08:47:00	95				95	GA1, (Improved agricultural grassland) Travelling	
LB1122	09/08/2017	5	Lesser Black-backed Gull	6	09:30:00	183			183		WN7, (Bog woodland) PB4, (Cutover bog) Travelling	
LB1123	09/08/2017	5	Lesser Black-backed Gull	1	10:00:00	25	5	20	25		WN7, (Bog woodland) PB4, (Cutover bog) Travelling	
LB1124	09/08/2017	5	Lesser Black-backed Gull	86	10:06:00	318				318	GA1, (Improved agricultural grassland) (Mixed) broadleaved woodland Travelling	Flock dispersed, lost at height
LB1125	10/08/2017	1	Lesser Black-backed Gull	1	05:06:00	50			50		GA1, (Improved agricultural grassland) PB4, (Cutover bog) Calling in flight	
LB1126	10/08/2017	1	Lesser Black-backed Gull	1	05:14:00	50					GA1, (Improved agricultural grassland) PB4, (Cutover bog) Calling in flight	

Map Reference No.	Date	VP	Species Name	No. of Birds	Time of flight	Duration of flight (s)	Band 1 (0-10m)	Band 2 (10-25m)	Band 3 PCH (25-175m)	Band 4 (>175m)	Notes on habitat and activity	Comments
LB1127	10/08/2017	1	Lesser Black-backed Gull	10	05:25:00	167					GA1, (Improved agricultural grassland) PB4, (Cutover bog) Calling in flight	
LB1128	10/08/2017	1	Lesser Black-backed Gull	2	05:34:00	60					GA1, (Improved agricultural grassland) GS4, (Wet grassland) FW2, (Depositing/upland rivers) Calling in flight	
LB1129	10/08/2017	1	Lesser Black-backed Gull	11	05:37:00	161					GA1, (Improved agricultural grassland) GS4, (Wet grassland) FW2, (Depositing/upland rivers) Calling in flight	
LB1130	10/08/2017	1	Lesser Black-backed Gull	1	06:27:00	30					FW2, (Depositing/upland rivers) Travelling	
LB1131	10/08/2017	1	Lesser Black-backed Gull	3	08:24:00	118		118			#REF!	"
LB1132	10/08/2017	1	Lesser Black-backed Gull	2	08:41:00	10					FW2, (Depositing/upland rivers) Travelling	
LB1133	10/08/2017	1	Lesser Black-backed Gull	2	08:56:00	110		110			GA1, (Improved agricultural grassland) (Mixed) broadleaved woodland Travelling	
LB1134	10/08/2017	1	Lesser Black-backed Gull	1	09:17:00	110		110			GS4, (Wet grassland) FW2, (Depositing/upland rivers) PB4, (Cutover bog) Travelling	
LB1135	11/08/2017	2	Lesser Black-backed Gull	1	6:08	60		60			FW2, (Depositing/upland rivers) Travelling	
LB1136	11/08/2017	2	Lesser Black-backed Gull	1	06:45:00	50		50			FW2, (Depositing/upland rivers) Travelling	
LB1137	11/08/2017	2	Lesser Black-backed Gull	1	07:17:00	78		78			FW2, (Depositing/upland rivers) Foraging	landed on post FW2
LB1138	11/08/2017	2	Lesser Black-backed Gull	1	09:54:00	83		83			FW2, (Depositing/upland rivers) Travelling	
LB1139	11/08/2017	2	Lesser Black-backed Gull	1	10:46:00	65		65			FW2, (Depositing/upland rivers) Travelling	

Map Reference No.	Date	VP	Species Name	No. of Birds	Time of flight	Duration of flight (s)	Band 1 (0-10m)	Band 2 (10-25m)	Band 3 PCH (25-175m)	Band 4 (>175m)	Notes on habitat and activity	Comments
LB1140	18/09/2017	2	Lesser Black-backed Gull	1	14:23:00	40			40		PB4, (Cutover bog) travelling soaring,	
LB1141	18/09/2017	2	Lesser Black-backed Gull	1	15:02:00	81	81				FW2, (Depositing/upland rivers) soaring, travelling	
LB1142	19/09/2017	1	Lesser Black-backed Gull	1	16:09:00	16	16				GA1, (Improved agricultural grassland) travelling	
LB1143	19/09/2017	1	Lesser Black-backed Gull	1	18:02:00	43		43			GS4, (Wet grassland) travelling	
LB1144	19/09/2017	1	Lesser Black-backed Gull	1	18:13:00	87	87				FW2, (Depositing/upland rivers) travelling	1cy
LB1145	19/09/2017	1	Lesser Black-backed Gull	3	18:18:00	130		130			GA1, (Improved agricultural grassland) travelling	adults
LB1146	19/09/2017	1	Lesser Black-backed Gull	51	18:35:00	635	35	600			GA1, (Improved agricultural grassland) travelling	
LB1147	19/09/2017	1	Lesser Black-backed Gull	51	18:48:00	163		163			GA1, (Improved agricultural grassland) travelling	
CN001	09/05/2017	2	Common Tern	2	07:25:00	47	47				FW2, (Depositing/upland rivers) Travelling, Foraging	
CN002	15/07/2017	2	Common Tern	1	09:28:00	60	60				FW2, (Depositing/upland rivers) Travelling	
SE001	15/09/2017	4	Short-eared Owl	1	20:26:00	10	10				PB4, (Cutover bog) Travelling	very close range (10 feet)
K001	11/04/2017	6	Kestrel	1	09:50:00	174	6	8	160	0	PB4, (Cutover bog) WS, (Scrub/transitional woodland) Make K Hunting	Adult Male K
K002	11/04/2017	6	Kestrel	1	12:23:00	338	0	59	279	0	PB4, (Cutover bog) Flying on Hunting and	
K003	12/04/2017	10	Kestrel	1	12:38:00	321			321		PB4, (Cutover bog) Hunting	
K004	13/04/2017	8	Kestrel	1	10:53:00	247	0	0	247	0	PB4, (Cutover bog) WS, (Scrub/transitional woodland) Hunting and Gliding on wind	

Map Reference No.	Date	VP	Species Name	No. of Birds	Time of flight	Duration of flight (s)	Band 1 (0-10m)	Band 2 (10-25m)	Band 3 PCH (25-175m)	Band 4 (>175m)	Notes on habitat and activity	Comments
K005	13/04/2017	8	Kestrel	1	12:07:00	92	0	0	92	0	WS, (Scrub/transitional woodland) GA1, (Improved agricultural grassland) Hunting and Gliding on wind	
K006	14/04/2017	9	Kestrel	1	10:05:00	62	16	46	0	0	PB4, (Cutover bog) WS, (Scrub/transitional woodland) Hunting, hovering and flying on	
K007	24/05/2017	8	Kestrel	1	09:25:00	177	5	172			GA1, (Improved agricultural grassland) Hunting, dropped for prey	
K008	24/05/2017	8	Kestrel	1	09:31:00	122		122			GA1, (Improved agricultural grassland) Hunting, dropped for prey	Possibly disturbed and left area due to loud passing Bord na Mona operations.
K009	14/06/2017	11	Kestrel	1	12:15:00	60		60			PB4, (Cutover bog) Mixed broadleaved/conifer woodland Hunting	
K010	15/06/2017	8	Kestrel	1	13:45:00	70		30	40		PB4, (Cutover bog) Mixed broadleaved/conifer woodland GA1, (Improved agricultural grassland) Hunting	Male
K011	16/06/2017	5	Kestrel	1	11:50:00	24		24			PB1, (Raised bog) GA1, (Improved agricultural grassland) Hovering, Hunting, Dropped	
K012	16/06/2017	5	Kestrel	1	11:56:00	130				130	WN7, (Bog woodland) PB4, (Cutover bog) Hovering, Hunting, Dropped	
K013	16/06/2017	5	Kestrel	1	15:14:00	16	16				PB4, (Cutover bog) WD4, (Conifer plantation) Travelling, Landed in WD4	
K014	04/07/2017	10	Kestrel	1	11:06:00	28		28			WN7, (Bog woodland) PB4, (Cutover bog) Hunting, dropped onto PB4	
K015	04/07/2017	10	Kestrel	1	13:50:00	10		10			PB4, (Cutover bog) WN7, (Bog woodland) Hunting	

Map Reference No.	Date	VP	Species Name	No. of Birds	Time of flight	Duration of flight (s)	Band 1 (0-10m)	Band 2 (10-25m)	Band 3 PCH (25-175m)	Band 4 (>175m)	Notes on habitat and activity	Comments
K016	04/07/2017	10	Kestrel	1	14:03:00	37					WN7, (Bog woodland) PB4, (Cutover bog) Hunting	
K017	04/07/2017	10	Kestrel	1	14:07:00	115			115		WN7, (Bog woodland) PB4, (Cutover bog) Hunting	
K018	04/07/2017	10	Kestrel	2	14:08:00	35			35		WN7, (Bog woodland) PB4, (Cutover bog) Hunting	1st bird joined by this 2nd bird
K019	04/07/2017	10	Kestrel	1	14:15:00	36	36				WN7, (Bog woodland) PB4, (Cutover bog) Travelling	
K020	04/07/2017	10	Kestrel	1	15:12:00	10			10		PB4, (Cutover bog) Travelling	
K021	06/07/2017	3	Kestrel	1	10:23:00	15	15				PB4, (Cutover bog) (Mixed) broadleaved woodland Travelling	
K022	06/07/2017	3	Kestrel	1	11:18:00	68	68				PB4, (Cutover bog) Adult male carrying a small rodent - landed on PB4	
K023	06/07/2017	3	Kestrel	1	11:22:00	33	33				PB4, (Cutover bog) (Mixed) broadleaved woodland Travelling	
K024	06/07/2017	3	Kestrel	1	12:50:00	116			116		PB4, (Cutover bog) (Mixed) broadleaved woodland GA1, (Improved agricultural grassland) Travelling	
K025	14/07/2017	1	Kestrel	1	11:35:00	20	20				GA1, (Improved agricultural grassland) Travelling	
K026	16/07/2017	6	Kestrel	1	10:14:00	66			66		GA1, (Improved agricultural grassland) (Mixed) broadleaved woodland WN7, (Bog woodland) Hunting	
K027	16/07/2017	6	Kestrel	1	10:55:00	15	15				GA1, (Improved agricultural grassland) (Mixed) broadleaved woodland WN7, (Bog woodland) Travelling, landed on telegraph post	
K028	17/07/2017	5	Kestrel	1	11:39:00	8	8				PB4, (Cutover bog) (Mixed) broadleaved woodland Travelling, dropped	

Map Reference No.	Date	VP	Species Name	No. of Birds	Time of flight	Duration of flight (s)	Band 1 (0-10m)	Band 2 (10-25m)	Band 3 PCH (25-175m)	Band 4 (>175m)	Notes on habitat and activity	Comments
K029	17/07/2017	5	Kestrel	1	13:08:00	15					(Mixed) broadleaved woodland GA1, (Improved agricultural grassland) Travelling	
K030	03/08/2017	10	Kestrel	1	06:49:00	71		71			PB4, (Cutover bog) WN7, (Bog woodland) Hunting, Hovering, Mobbed	
K031	03/08/2017	10	Kestrel	2	06:59:00	21					PB4, (Cutover bog) WN7, (Bog woodland) Hovering, both landed	
K032	03/08/2017	10	Kestrel	3	07:01:00	84					PB4, (Cutover bog) WN7, (Bog woodland) Mixed broadleaved/conifer woodland 3 interacting	Family party?
K033	03/08/2017	10	Kestrel	1	07:23:00	302		302			PB4, (Cutover bog) WN7, (Bog woodland) Hovering, Hunting	
K034	03/08/2017	10	Kestrel	1	07:33:00	5		5			Hovering, Hunting	
K035	03/08/2017	10	Kestrel	1	09:17:00	6					PB4, (Cutover bog) Travelling	Lost behind trees
K036	03/08/2017	10	Kestrel	1	10:01:00	241		241			PB4, (Cutover bog) WN7, (Bog woodland) Hovering, Hunting, Dropped	
K037	03/08/2017	10	Kestrel	1	10:58:00	54		54			PB4, (Cutover bog) Mixed broadleaved/conifer woodland GA1, (Improved agricultural grassland) Hunting, Dropped	
K038	04/08/2017	9	Kestrel	1	05:52:00	18		18			PB4, (Cutover bog) Travelling	Mobbed by HCs
K039	04/08/2017	9	Kestrel	1	10:27:00	48		48			PB4, (Cutover bog) GA1, (Improved agricultural grassland) Hovering, Hunting	
K040	04/08/2017	9	Kestrel	1	10:45:00	201		201			PB4, (Cutover bog) WN7, (Bog woodland) Hovering, Hunting	
K041	06/08/2017	4	Kestrel	1	09:07:00	86		86			PB4, (Cutover bog) WN7, (Bog woodland) Hovering, Hunting, Dropped	

Map Reference No.	Date	VP	Species Name	No. of Birds	Time of flight	Duration of flight (s)	Band 1 (0-10m)	Band 2 (10-25m)	Band 3 PCH (25-175m)	Band 4 (>175m)	Notes on habitat and activity	Comments
K042	06/08/2017	4	Kestrel	1	09:12:00	280		280			PB4, (Cutover bog woodland) Hovering, Hunting, Dropped	
K043	06/08/2017	4	Kestrel	1	09:20:00	22	22				PB4, (Cutover bog woodland) Hovering, Hunting, Dropped	
K044	06/08/2017	4	Kestrel	1	10:05:00	32	32				PB4, (Cutover bog woodland) Hovering, Hunting, Dropped	
K045	06/08/2017	4	Kestrel	1	10:13:00	68	68				PB4, (Cutover bog woodland) Hovering, Hunting, Dropped	
K046	06/08/2017	4	Kestrel	1	10:16:00	84		84			PB4, (Cutover bog woodland) Hovering, Hunting, Dropped	
K047	07/08/2017	7	Kestrel	2	09:17:00	190			190		GA1, (Improved agricultural grassland) PB4, (Cutover bog) WN7, (Bog woodland) Soaring, Hunting	1 bird landed after 120 sec
K048	07/08/2017	7	Kestrel	1	10:21:00	261			261		GA1, (Improved agricultural grassland) (Mixed) broadleaved woodland Hunting	Dropped GA1
K049	08/08/2017	6	Kestrel	1	09:28:00	34	34					
K050	08/08/2017	6	Kestrel	1	09:36:00	132			132			
K051	08/08/2017	6	Kestrel	1	10:45:00	107		7	100			
K052	08/08/2017	8	Kestrel	1	07:42:00	3	3				PB4, (Cutover bog) Travelling	Flew from telegraph pole
K053	08/08/2017	8	Kestrel	1	09:28:00	34	34				WN7, (Bog woodland) PB4, (Cutover bog) Hunting, Dropped	
K054	08/08/2017	8	Kestrel	1	09:36:00	132			132		PB4, (Cutover bog woodland) hunting, dropped, travelling	

Map Reference No.	Date	VP	Species Name	No. of Birds	Time of flight	Duration of flight (s)	Band 1 (0-10m)	Band 2 (10-25m)	Band 3 PCH (25-175m)	Band 4 (>175m)	Notes on habitat and activity	Comments
K055	08/08/2017	8	Kestrel	1	10:48:00	107		7	100		GA1, (Improved agricultural grassland) Travelling	
K056	08/09/2017	8	Kestrel	1	16:02:00	351		351			GA1, (Improved agricultural grassland) Hunting	Dropped
K057	11/09/2017	7	Kestrel	1	15:43:00	14	14				PB4, (Cutover bog) Travelling	
K058	11/09/2017	7	Kestrel	1	15:16:00	5	5				PB4, (Cutover bog) Hunting	Dropped
K059	11/09/2017	7	Kestrel	1	19:36:00	206			206		PB4, (Cutover bog) Hunting	Dropped
K060	12/09/2017	6	Kestrel	1	15:38:00	87		27	60		PB4, (Cutover bog) Hunting	Landed on post
K061	12/09/2017	6	Kestrel	1	15:40:00	3		3			PB4, (Cutover bog) Travelling	Different bird to above
K062	13/09/2017	5	Kestrel	1	14:54:00	94		30	64		PB4, (Cutover bog) Hunting, Travelling	Adult female
K063	13/09/2017	5	Kestrel	1	15:46:00	62		62			PB4, (Cutover bog) Hunting	adult male
K064	13/09/2017	5	Kestrel	1	15:53:00	101		101			PB4, (Cutover bog) Hunting	adult female, caught a small rodent
K065	13/09/2017	5	Kestrel	1	16:05:00	266		266			PB4, (Cutover bog) Hunting	adult female
K066	13/09/2017	5	Kestrel	1	16:24:00	43		43			PB4, (Cutover bog) Hunting	landed wd4
K067	13/09/2017	5	Kestrel	1	17:08:00	105		105			PB4, (Cutover bog) Hunting	adult male
K068	13/09/2017	5	Kestrel	1	20:00:00	15	15				PB4, (Cutover bog) Travelling	landed wd4
K069	13/09/2017	5	Kestrel	1	20:07:00	46		46			PB4, (Cutover bog) Travelling	

Map Reference No.	Date	VP	Species Name	No. of Birds	Time of flight	Duration of flight (s)	Band 1 (0-10m)	Band 2 (10-25m)	Band 3 PCH (25-175m)	Band 4 (>175m)	Notes on habitat and activity	Comments	
K070	14/09/2017	3	Kestrel	1	14:22:00	332		332			PB4, (Cutover bog)	Hunting	Adult male
K071	14/09/2017	3	Kestrel	1	14:31:00	292		292			PB4, (Cutover bog)	Hunting	juvenile
K072	14/09/2017	3	Kestrel	1	14:52:00	131		131			PB4, (Cutover bog)	Hunting	juvenile
K073	14/09/2017	3	Kestrel	1	15:01:00	301		201	100		PB4, (Cutover bog)	Hunting	juvenile
K074	14/09/2017	3	Kestrel	1	15:14:00	5		5			PB4, (Cutover bog)	Travelling	
K075	14/09/2017	3	Kestrel	1	15:42:00	91		91			PB4, (Cutover bog)	Hunting	juvenile
K076	14/09/2017	3	Kestrel	1	16:04:00	10		10			PB4, (Cutover bog)	Travelling	
K077	14/09/2017	3	Kestrel	1	16:27:00	69		69			PB4, (Cutover bog)	hunting	juvenile
K078	14/09/2017	3	Kestrel	1	16:38:00	107		107			PB4, (Cutover bog)	hunting	adult female
K079	14/09/2017	3	Kestrel	1	17:11:00	782		782			PB4, (Cutover bog)	hunting	juvenile - caught a small rodent
K080	14/09/2017	3	Kestrel	1	18:41:00	249	20	229			PB4, (Cutover bog)	hunting	juvenile, dropped
K081	14/09/2017	3	Kestrel	1	18:48:00	1772		1772			PB4, (Cutover bog)	hunting	juvenile, dropped
K082	14/09/2017	3	Kestrel	1	19:37:00	260		260			PB4, (Cutover bog)	hunting	juvenile
K083	14/09/2017	3	Kestrel	1	19:44:00	23		23			PB4, (Cutover bog) signal post	landed on	juvenile
K084	15/09/2017	4	Kestrel	1	16:24:00	506	20	30	436		PB4, (Cutover bog)	Hunting	juvenile

Map Reference No.	Date	VP	Species Name	No. of Birds	Time of flight	Duration of flight (s)	Band 1 (0-10m)	Band 2 (10-25m)	Band 3 PCH (25-175m)	Band 4 (>175m)	Notes on habitat and activity	Comments
K085	15/09/2017	4	Kestrel	1	16:38:00	16		16			GA1, (Improved agricultural grassland) Hunting	juvenile
K086	18/09/2017	2	Kestrel	1	14:55:00	51		31	20		GA1, (Improved agricultural grassland) hunting	dropped
K087	18/09/2017	2	Kestrel	1	15:00:00	242		42	200		FW2, (Depositing/upland rivers) WD4, (Conifer plantation) hunting	dropped
K088	19/09/2017	1	Kestrel	1	14:14:00	10		10			GA1, (Improved agricultural grassland) Travelling	male
K089	19/09/2017	1	Kestrel	1	18:29:00	35		35			GA1, (Improved agricultural grassland) hunting	
K090	19/09/2017	1	Kestrel	1	19:00:00	102	10	92			GA1, (Improved agricultural grassland) hunting	female/imm
K091	19/09/2017	1	Kestrel	1	19:21:00	191		191			GA1, (Improved agricultural grassland) travelling	female/imm
K092	19/09/2017	1	Kestrel	1	19:58:00	21	21				GA1, (Improved agricultural grassland) travelling	male
PE001	24/04/2017	3	Peregrine Falcon	1	18:10:00	92			92		GA1, (Improved agricultural grassland) (Mixed) broadleaved woodland Travelling, hunting	
PE002	05/09/2017	10	Peregrine Falcon	1	18:20:00	95	95				PB4, (Cutover bog) Travelling Calling,	1CY, landed on PB4
PE003	05/09/2017	10	Peregrine Falcon	2	18:36:00	133		40	93		PB4, (Cutover bog) Travelling Calling,	x2 1CY

Map Legend



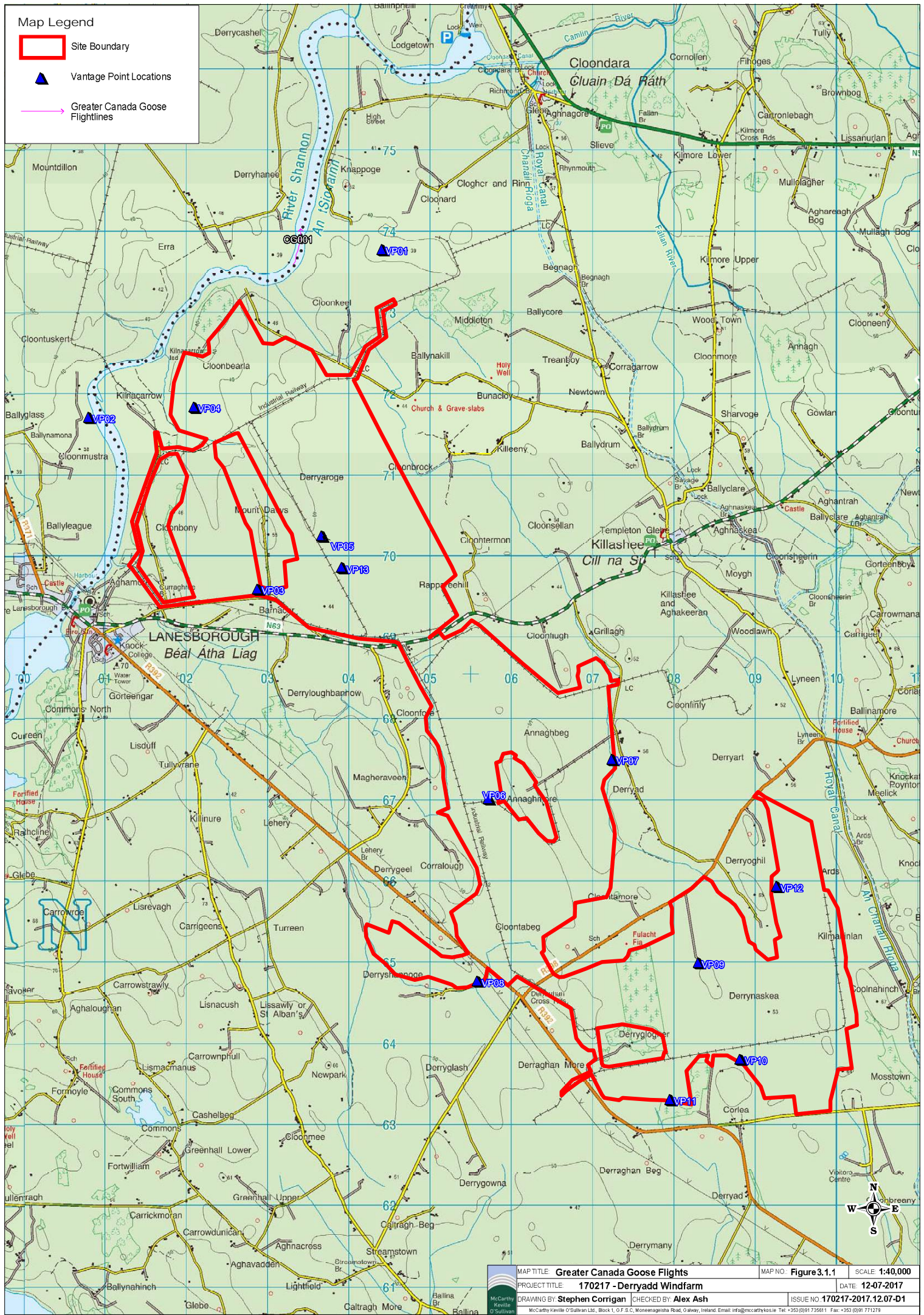
Site Boundary



Vantage Point Locations



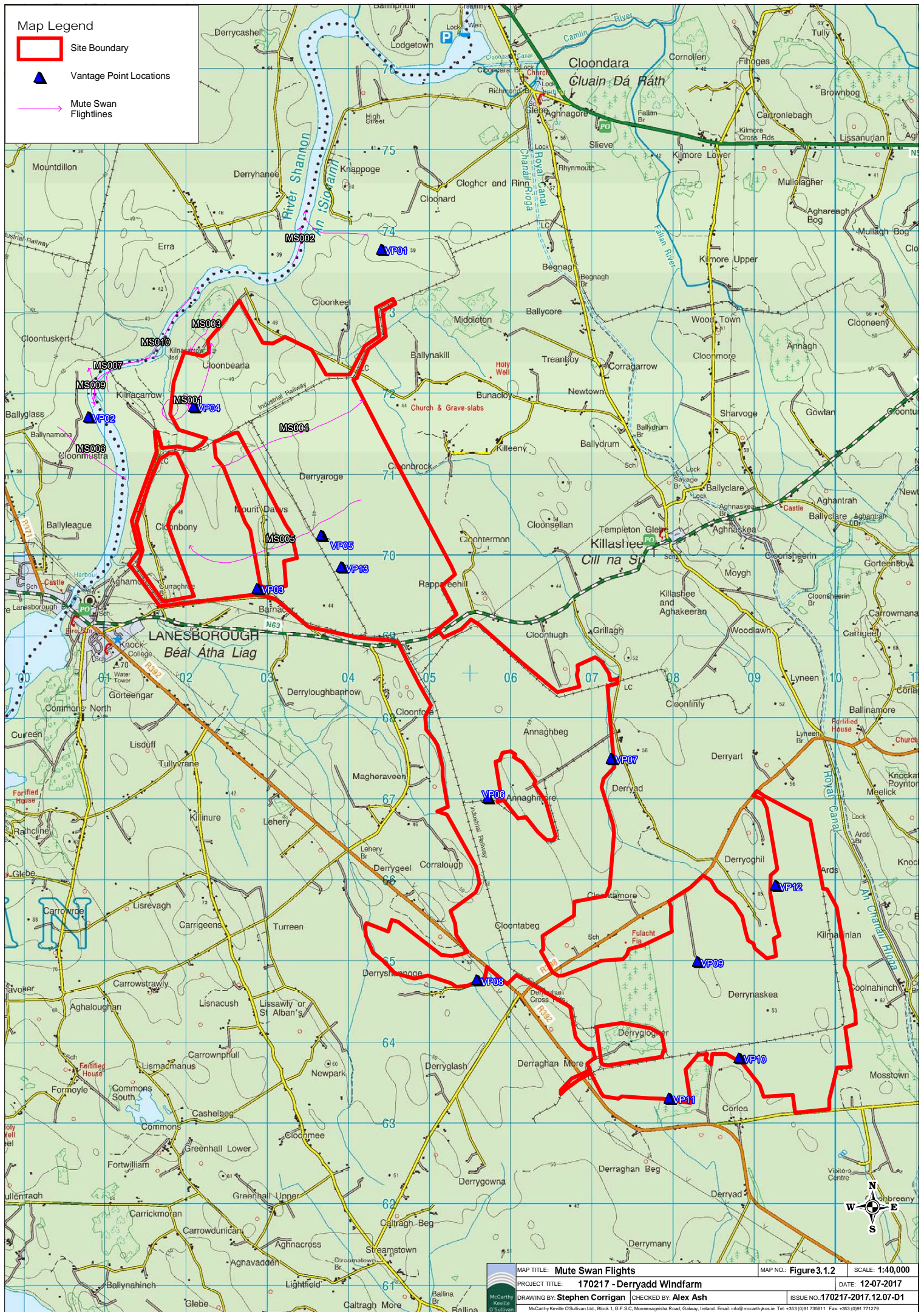
Greater Canada Goose Flightlines



	MAP TITLE: Greater Canada Goose Flights	MAP NO.: Figure 3.1.1	SCALE: 1:40,000
	PROJECT TITLE: 170217 - Derryadd Windfarm	DATE: 12-07-2017	
DRAWING BY: Stephen Corrigan CHECKED BY: Alex Ash		ISSUE NO: 170217-2017.12.07-D1	
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Map Legend

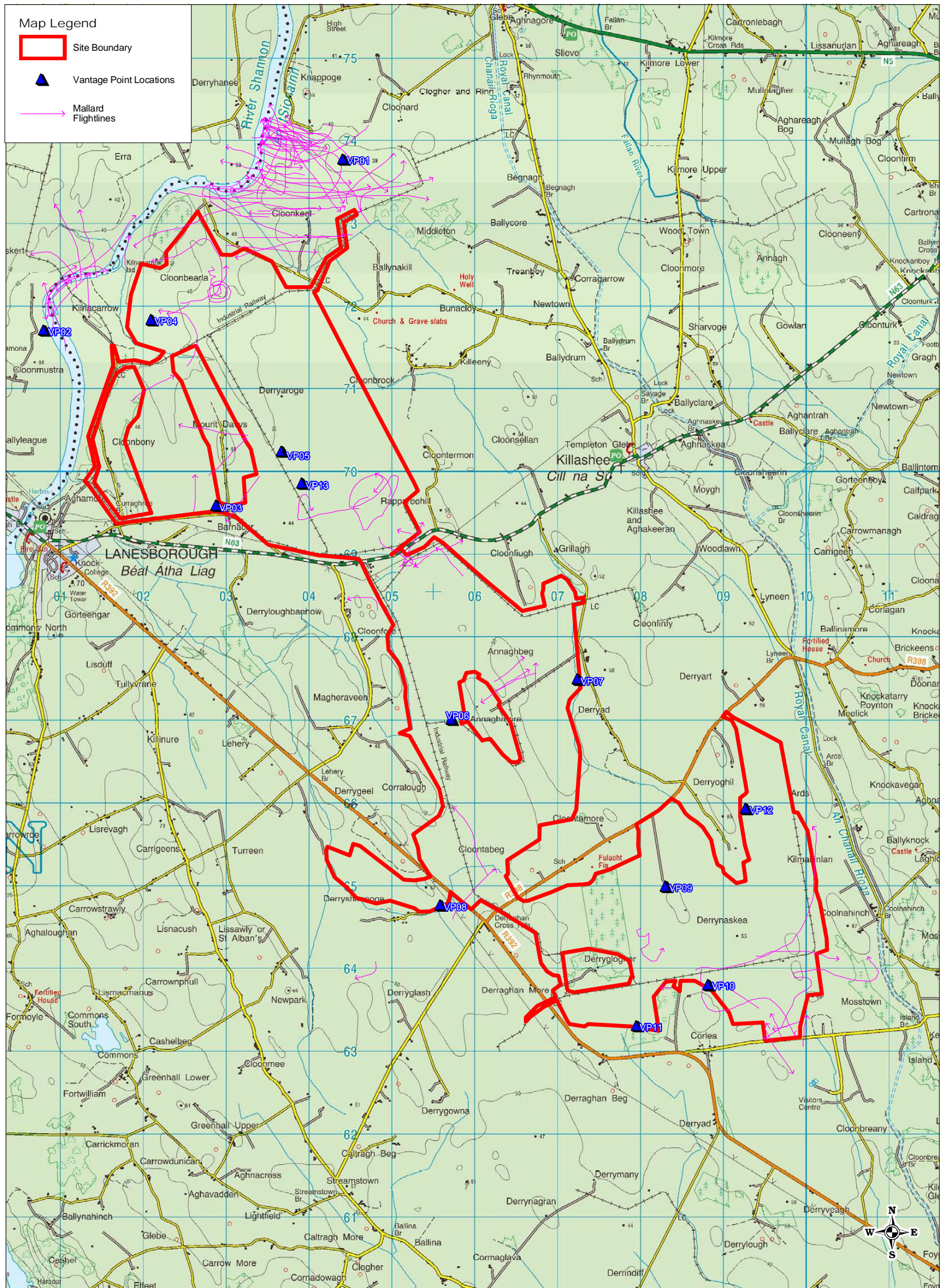
- Site Boundary
- Vantage Point Locations
- Mute Swan Flightlines



MAP TITLE: Mute Swan Flights	MAP NO.: Figure 3.1.2	SCALE: 1:40,000
PROJECT TITLE: 170217 - Derryadd Windfarm	DATE: 12-07-2017	
DRAWING BY: Stephen Corrigan	CHECKED BY: Alex Ash	ISSUE NO. 170217-2017.12.07-D1




Map Legend

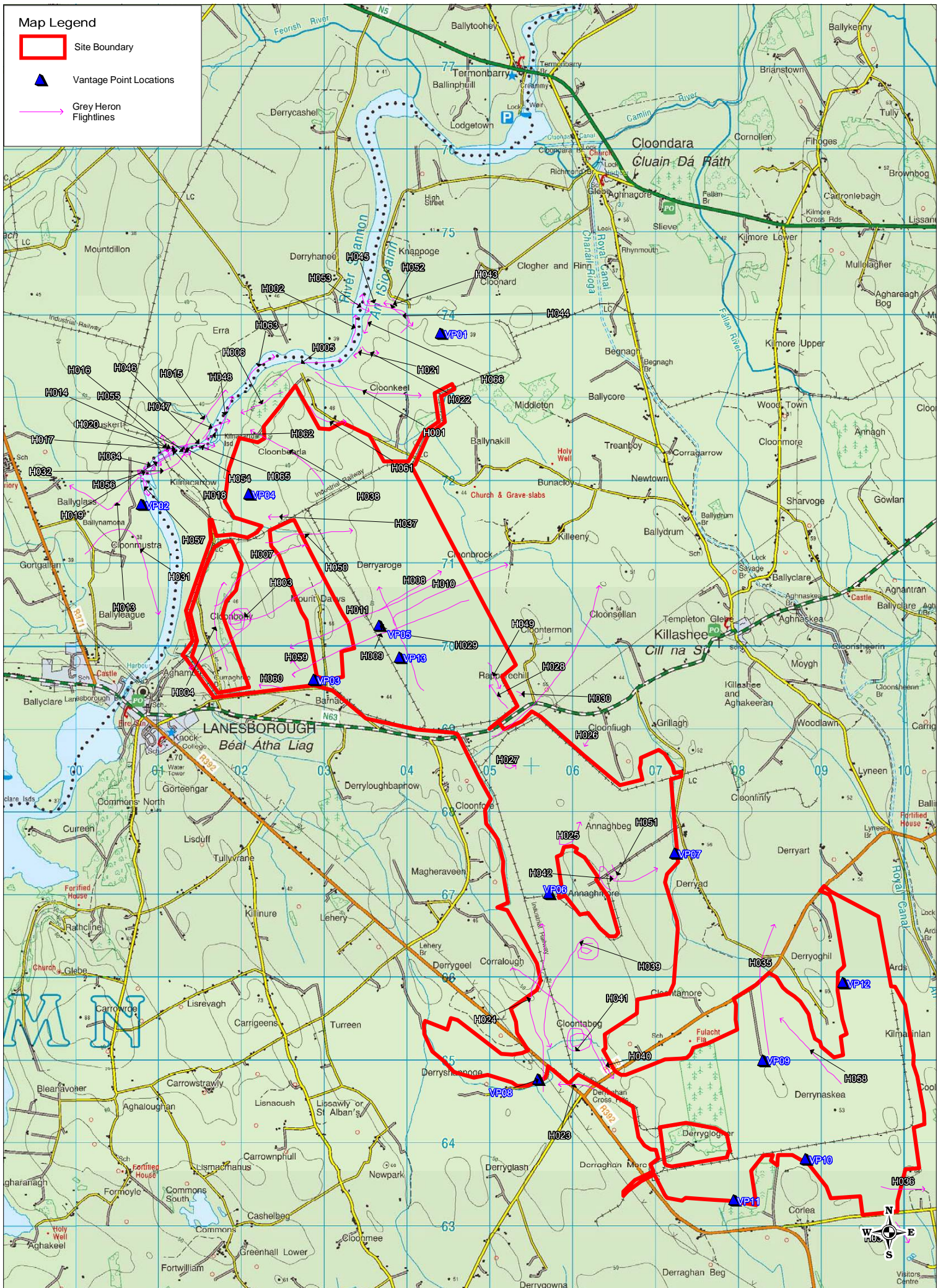
-  Site Boundary
-  Vantage Point Locations
-  Mallard Flightlines



	MAP TITLE: Mallard Flights	MAP NO.: Figure 3.1.3	SCALE: 1:40,000
	PROJECT TITLE: 170217 - Derryadd Windfarm		DATE: 12-07-2017
	DRAWING BY: Stephen Corrigan	CHECKED BY: Alex Ash	ISSUE NO. 170217-2017.12.07-01

Map Legend

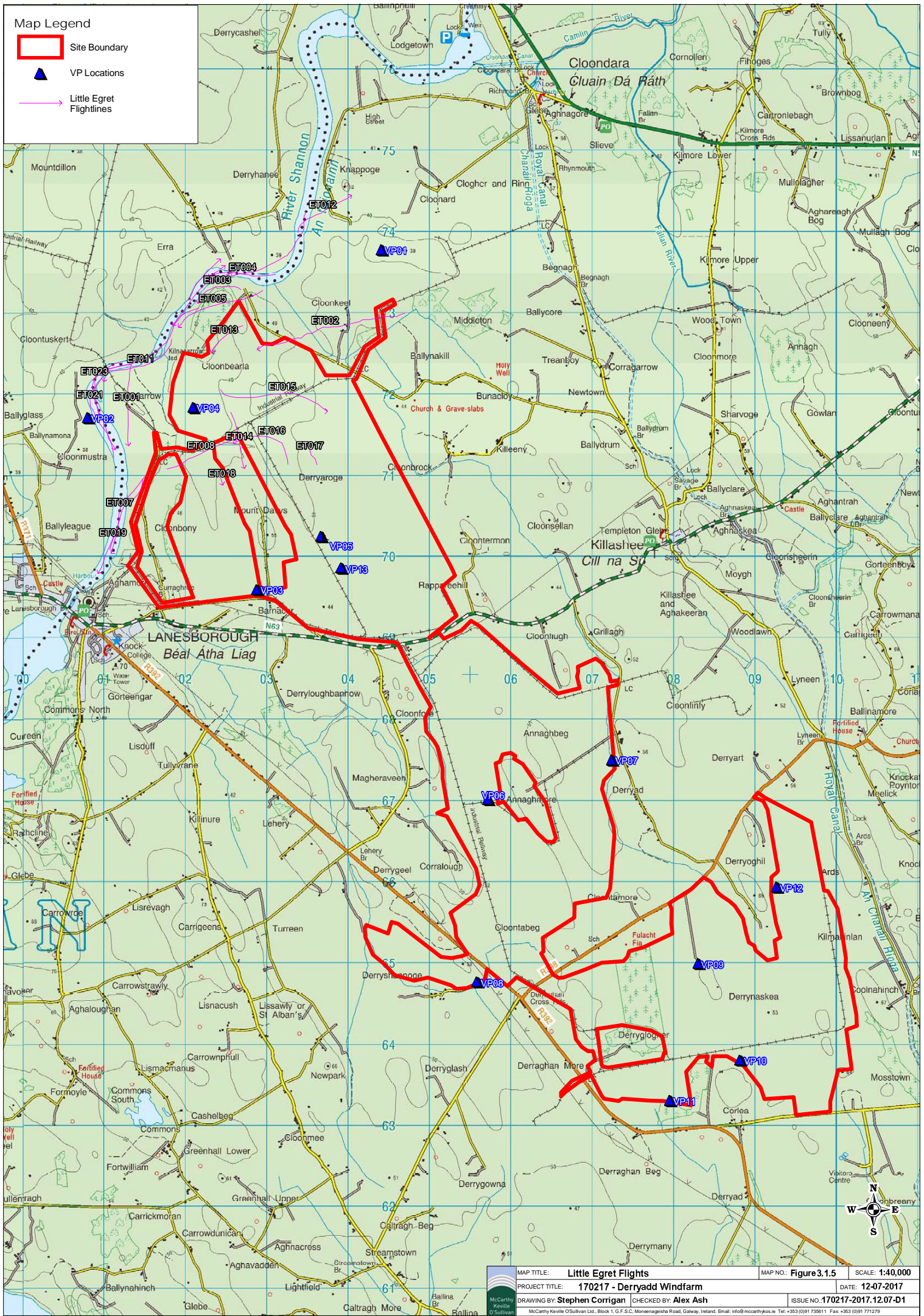
-  Site Boundary
-  Vantage Point Locations
-  Grey Heron Flightlines



	MAP TITLE: Grey Heron Flights	MAP NO.: Figure 3.1.4	SCALE: 1:40,000
	PROJECT TITLE: 170217 - Derradd Windfarm		DATE: 12-07-2017
	DRAWING BY: Stephen Corrigan	CHECKED BY: Alex Ash	ISSUE NO. 170217-2017.12.07-D1
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Map Legend

- Site Boundary
- ▲ VP Locations
- Little Egret Flightlines



MAP TITLE: Little Egret Flights	MAP NO.: Figure 3.1.5	SCALE: 1:40,000
PROJECT TITLE: 170217 - Derryagh Windfarm	DATE: 12-07-2017	
DRAWING BY: Stephen Corrigan	CHECKED BY: Alex Ash	ISSUE NO.: 170217-2017.12.07-D1

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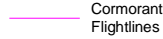
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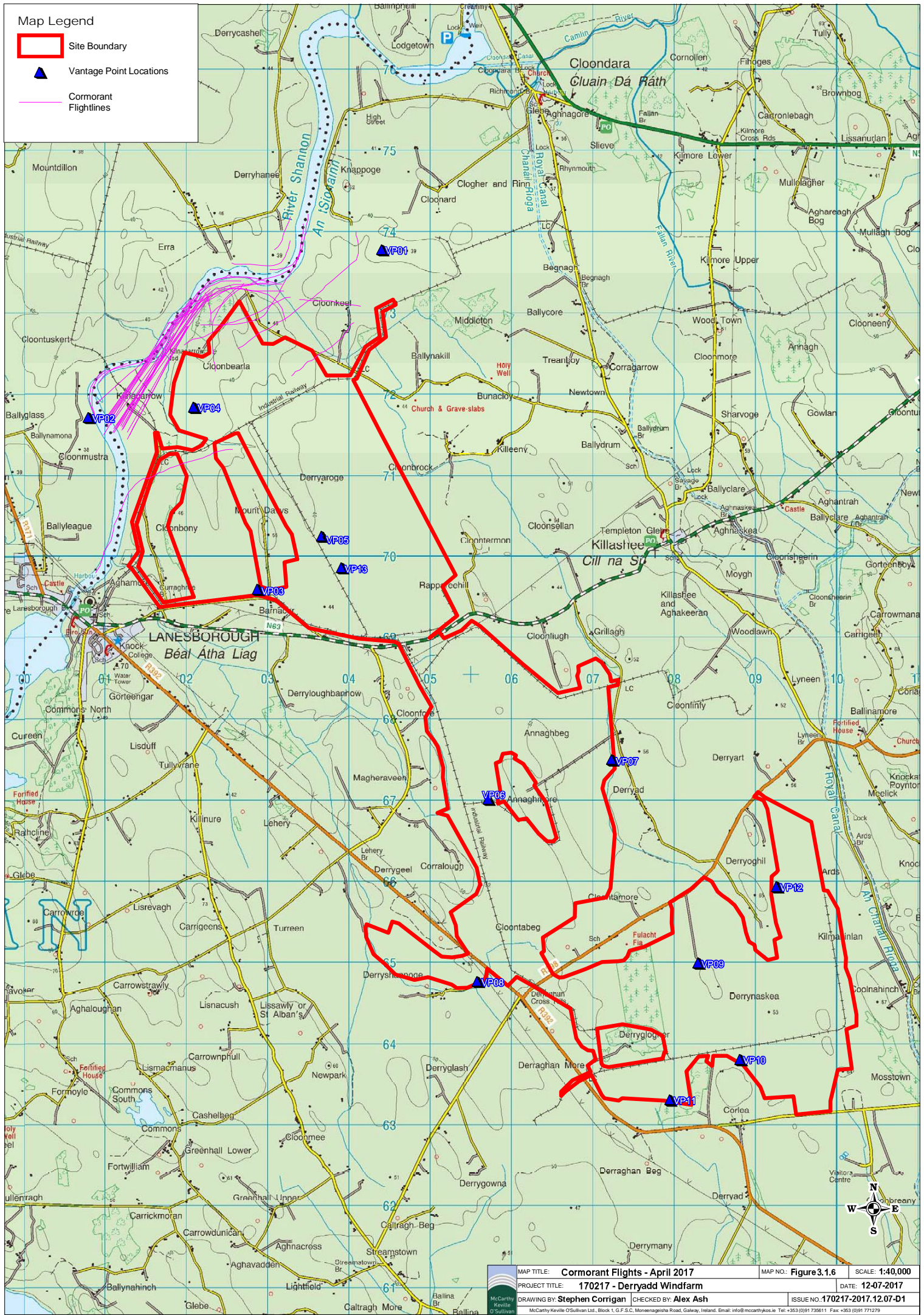
Site Boundary



Vantage Point Locations



Cormorant Flightlines



	MAP TITLE: Cormorant Flights - April 2017	MAP NO.: Figure 3.1.6	SCALE: 1:40,000
	PROJECT TITLE: 170217 - Derradd Windfarm	DATE: 12-07-2017	
	DRAWING BY: Stephen Corrigan	CHECKED BY: Alex Ash	ISSUE NO. 170217-2017.12.07-D1

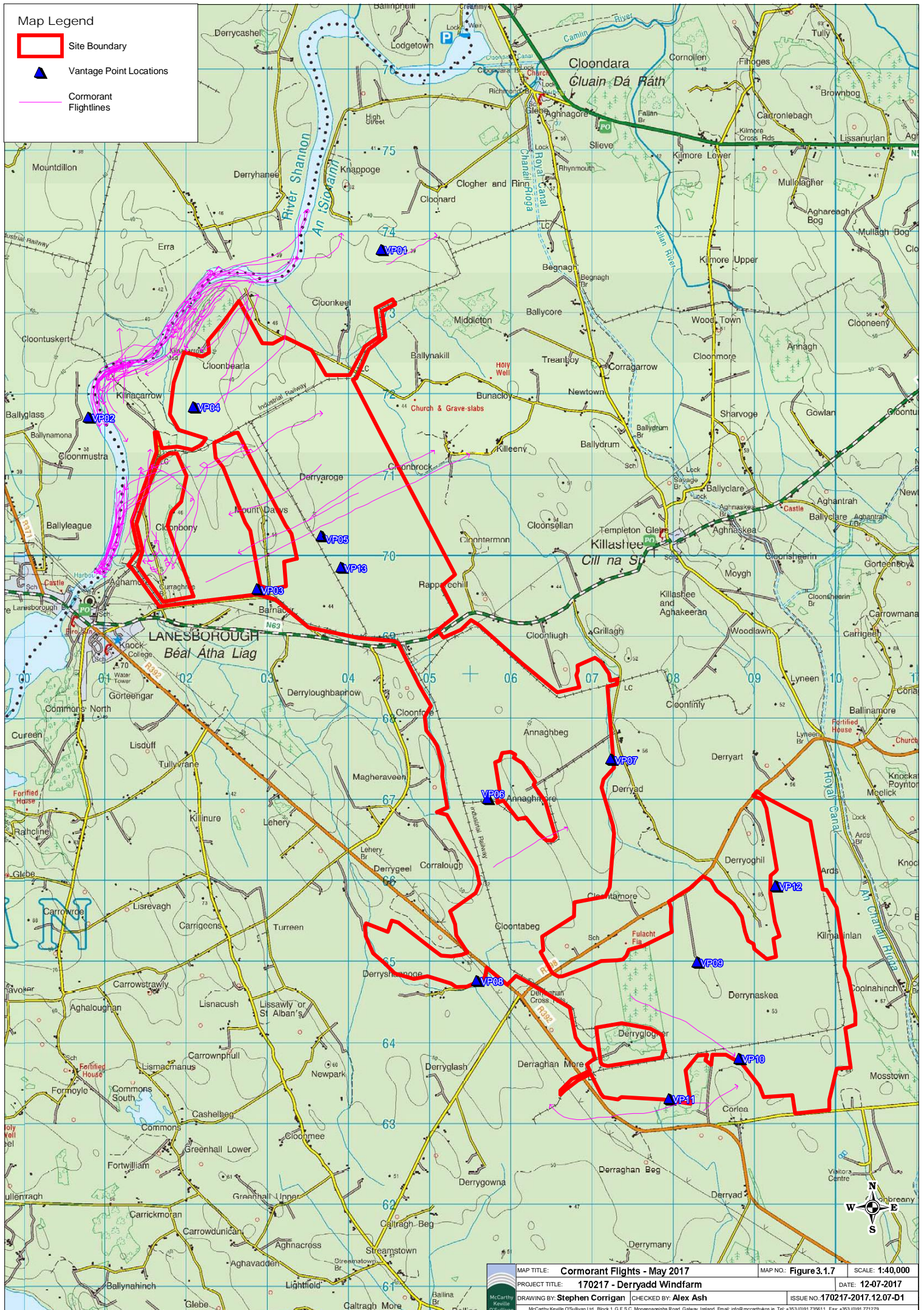
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Map Legend

 Site Boundary

 Vantage Point Locations

 Cormorant Flightlines



MAP TITLE: Cormorant Flights - May 2017	MAP NO.: Figure 3.1.7	SCALE: 1:40,000
PROJECT TITLE: 170217 - Derradd Windfarm	DATE: 12-07-2017	
DRAWING BY: Stephen Corrigan	CHECKED BY: Alex Ash	ISSUE NO. 170217-2017.12.07-D1

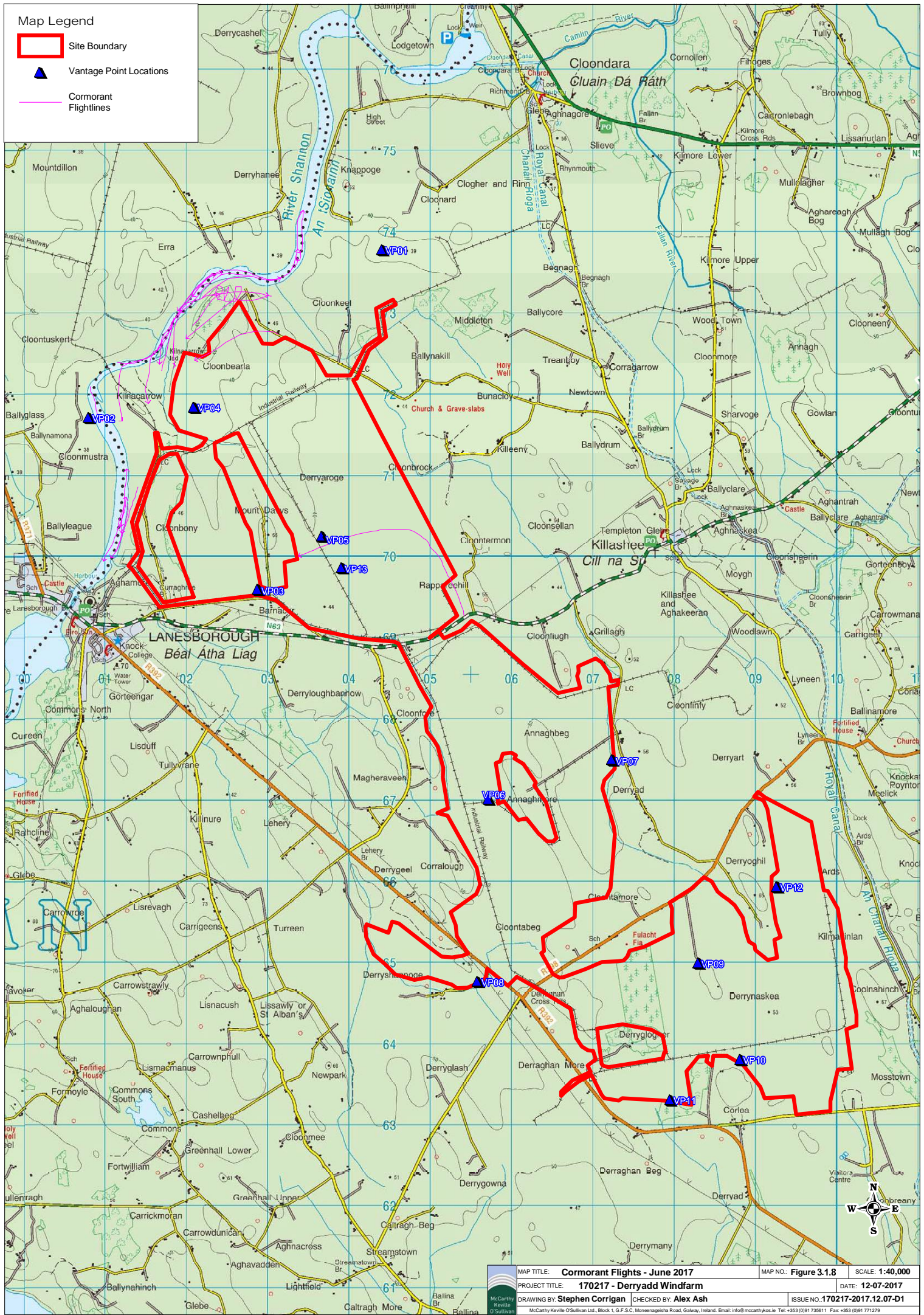
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Map Legend

 Site Boundary

 Vantage Point Locations

 Cormorant Flightlines



MAP TITLE: Cormorant Flights - June 2017	MAP NO.: Figure 3.1.8	SCALE: 1:40,000
PROJECT TITLE: 170217 - Derryadd Windfarm	DATE: 12-07-2017	
DRAWING BY: Stephen Corrigan	CHECKED BY: Alex Ash	ISSUE NO.: 170217-2017.12.07-D1
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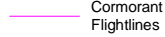
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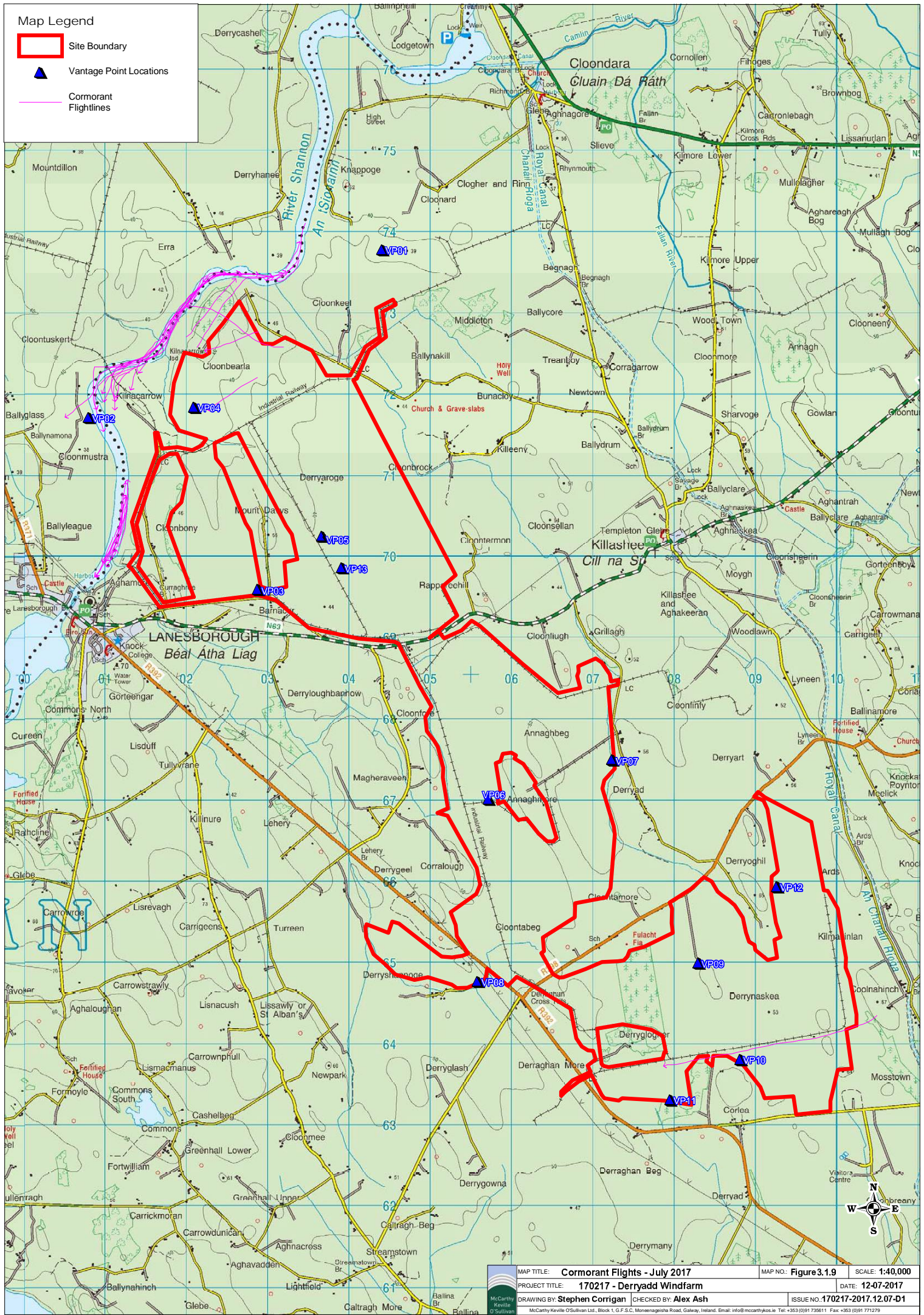
Site Boundary



Vantage Point Locations



Cormorant Flightlines




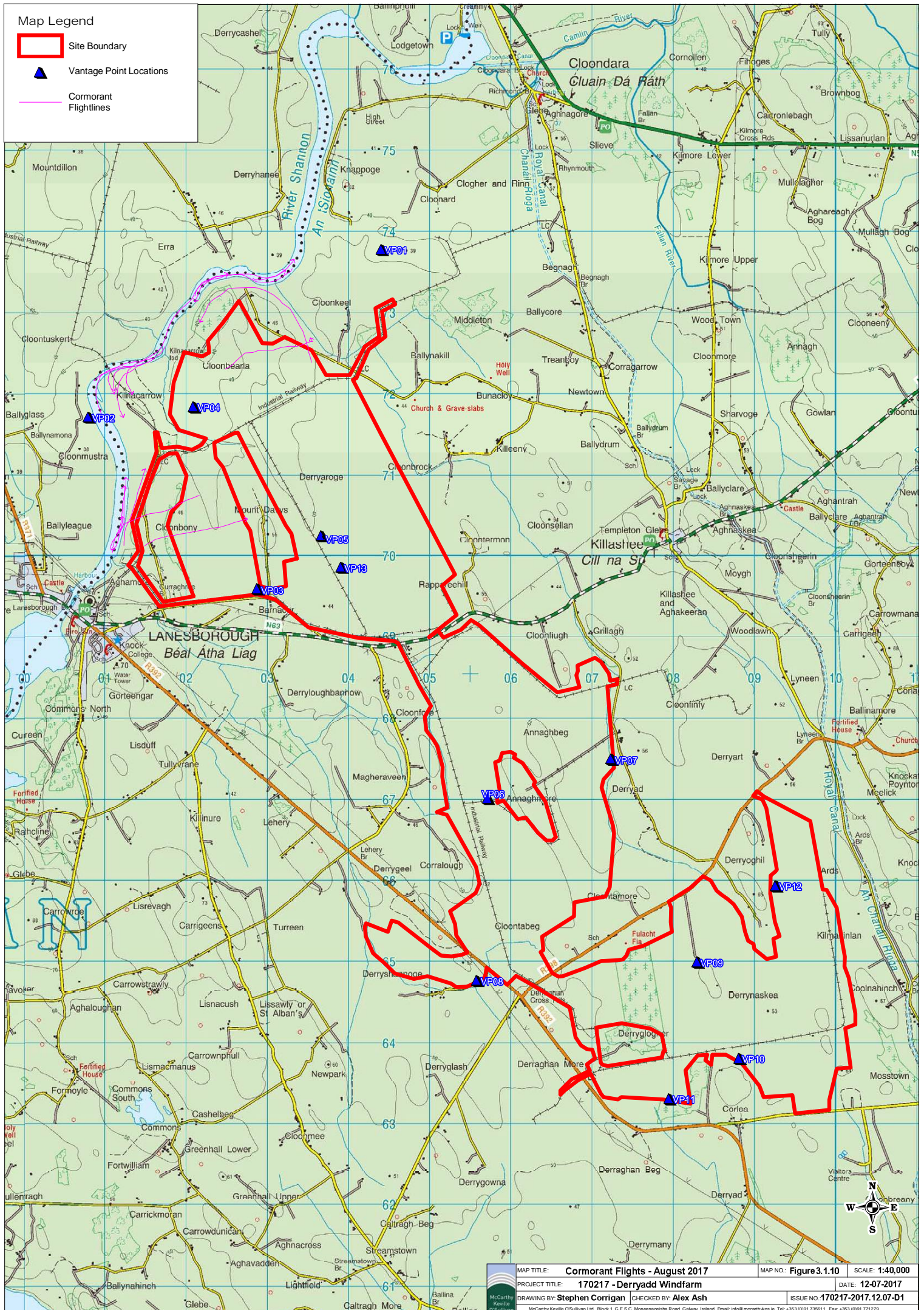
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	PROJECT TITLE: 170217 - Derradd Windfarm	DATE: 12-07-2017	
	DRAWING BY: Stephen Corrigan	CHECKED BY: Alex Ash	ISSUE NO. 170217-2017.12.07-D1
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Map Legend

 Site Boundary

 Vantage Point Locations

 Cormorant Flightlines



MAP TITLE: Cormorant Flights - August 2017	MAP NO.: Figure 3.1.10	SCALE: 1:40,000
PROJECT TITLE: 170217 - Derryadd Windfarm	DATE: 12-07-2017	
DRAWING BY: Stephen Corrigan	CHECKED BY: Alex Ash	ISSUE NO. 170217-2017.12.07-D1

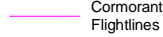
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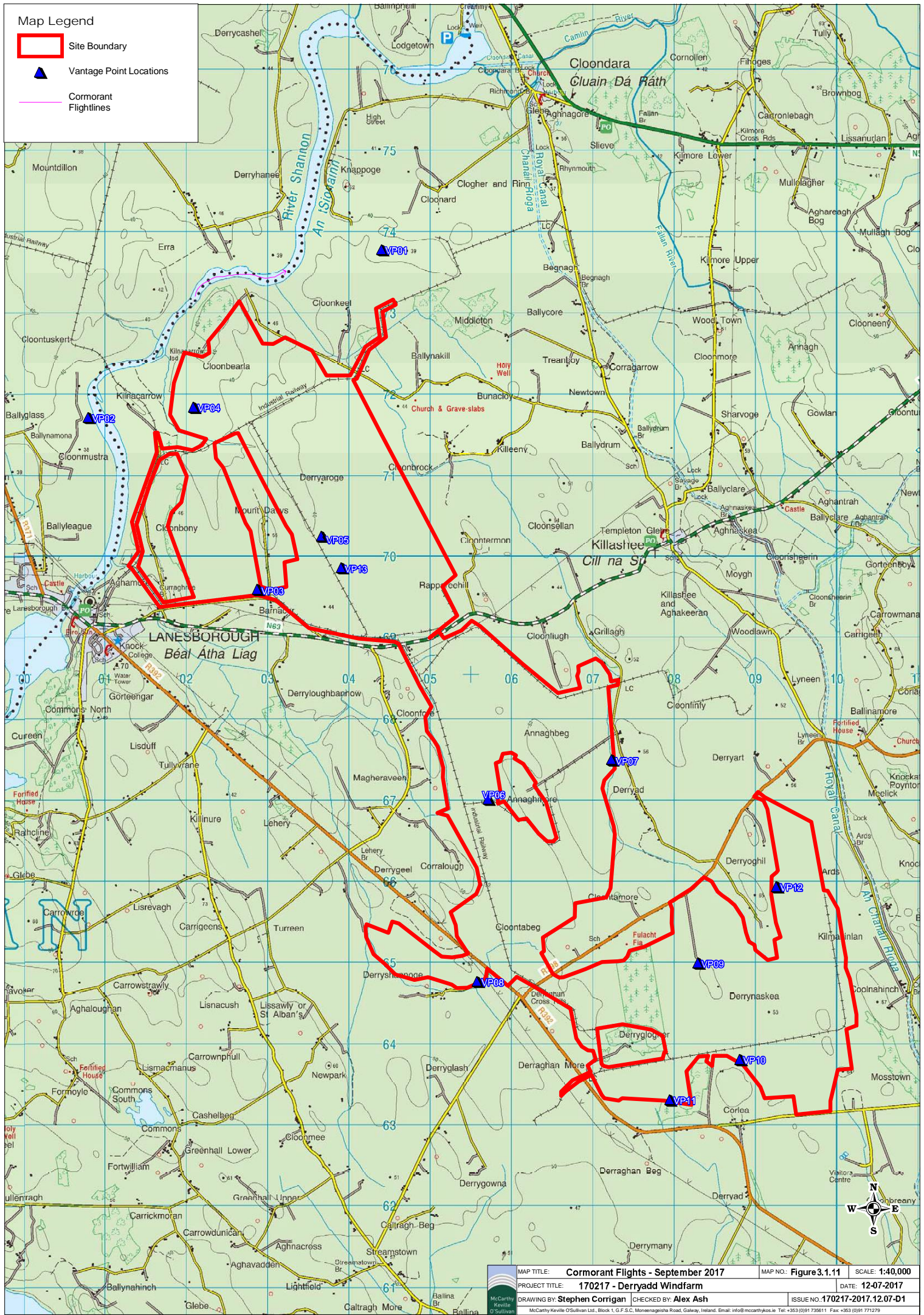
Site Boundary



Vantage Point Locations



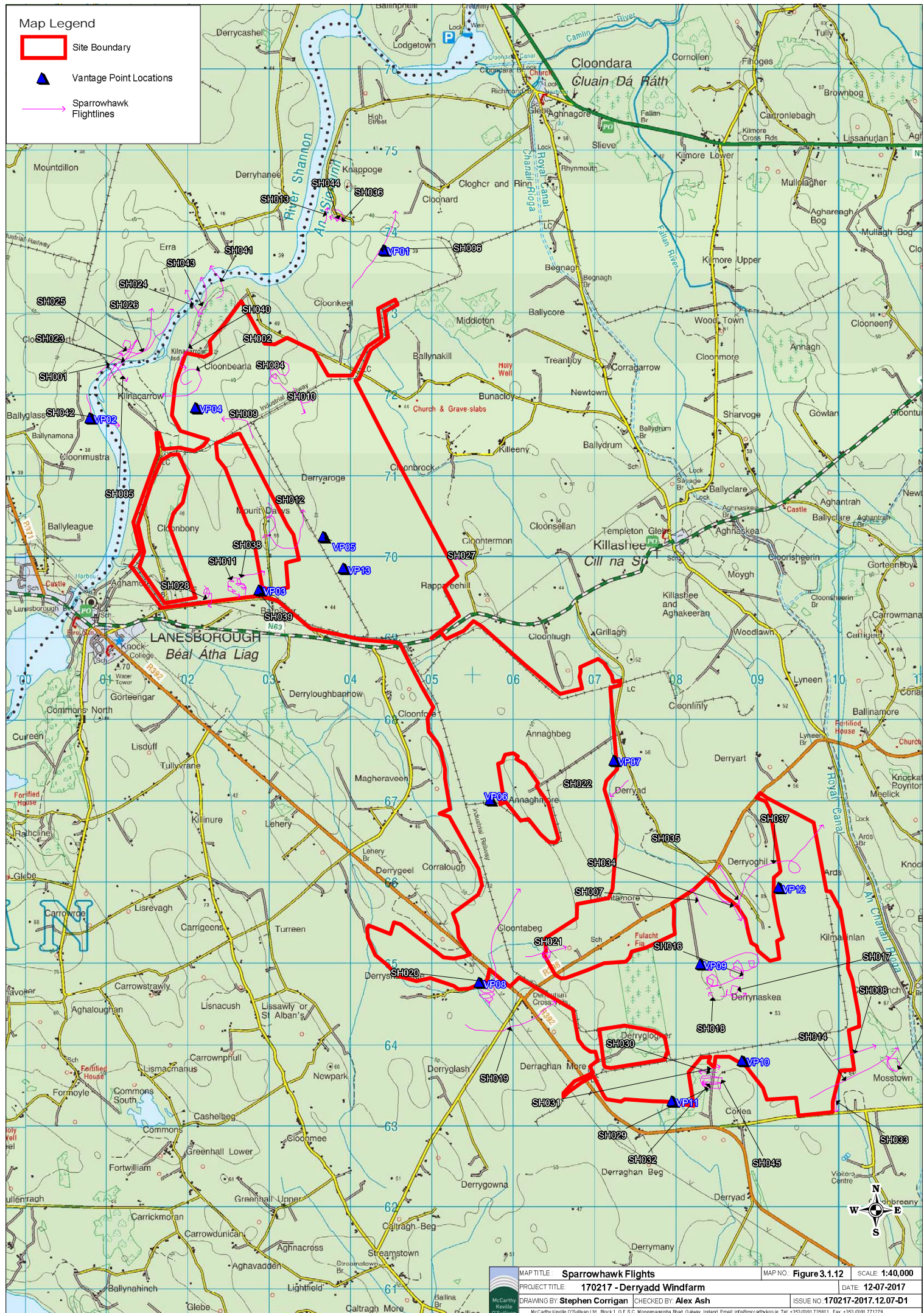
Cormorant Flightlines



	MAP TITLE: Cormorant Flights - September 2017	MAP NO.: Figure 3.1.11	SCALE: 1:40,000
	PROJECT TITLE: 170217 - Derryadd Windfarm	DATE: 12-07-2017	
	DRAWING BY: Stephen Corrigan	CHECKED BY: Alex Ash	ISSUE NO. 170217-2017.12.07-D1
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Map Legend

- Site Boundary
- ▲ Vantage Point Locations
- Sparrowhawk Flightlines

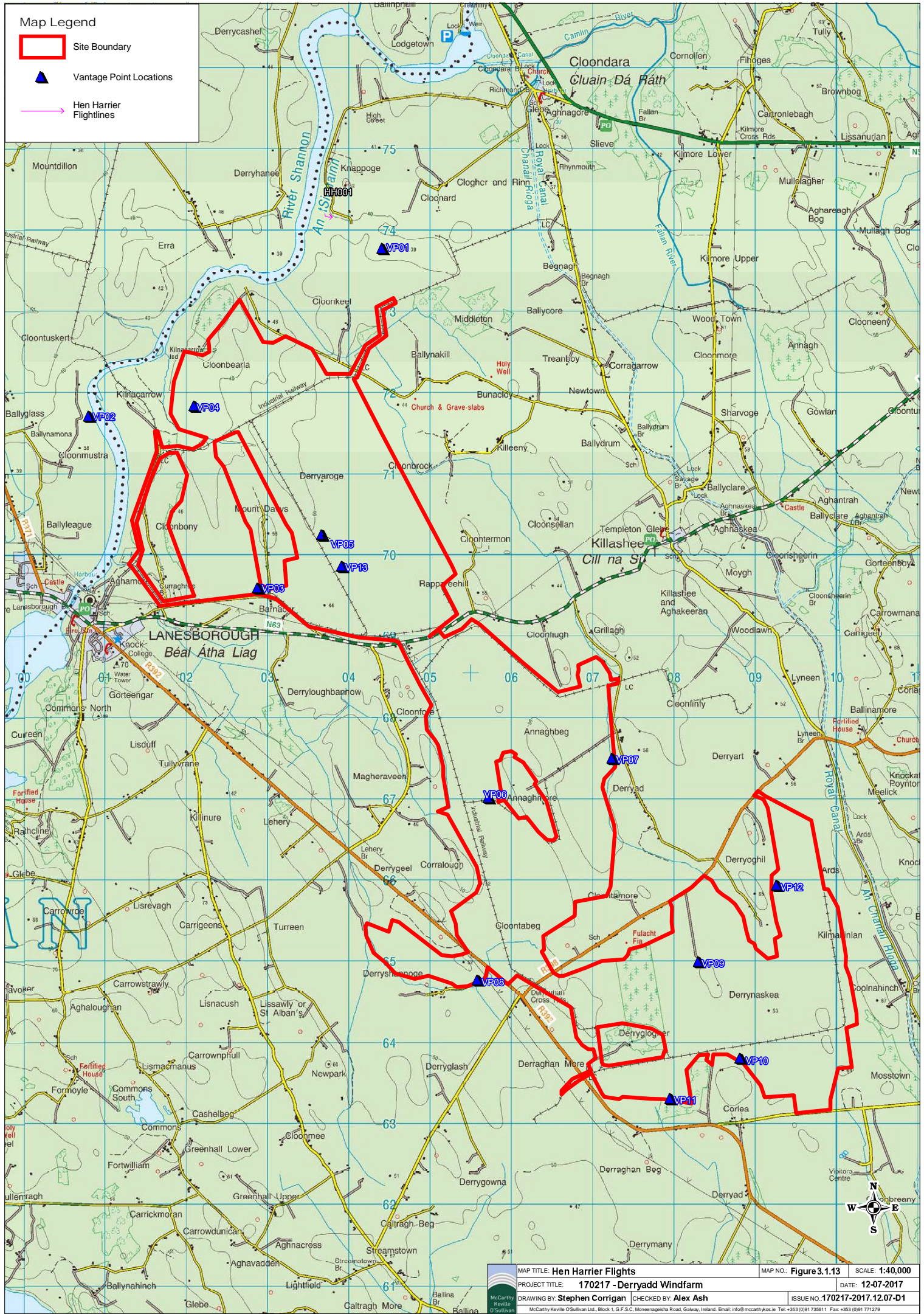


MAP TITLE: Sparrowhawk Flights	MAP NO: Figure 3.1.12	SCALE: 1:40,000
PROJECT TITLE: 170217 - Derryadd Windfarm	DATE: 12-07-2017	
DRAWING BY: Stephen Corrigan	CHECKED BY: Alex Ash	ISSUE NO: 170217-2017.12.07-01
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Map Legend

- Site Boundary
- Vantage Point Locations
- Hen Harrier Flightlines



MAP TITLE: Hen Harrier Flights	MAP NO.: Figure 3.1.13	SCALE: 1:40,000
PROJECT TITLE: 170217 - Derryadd Windfarm	DATE: 12-07-2017	
DRAWING BY: Stephen Corrigan	CHECKED BY: Alex Ash	ISSUE NO. 170217-2017.12.07-D1

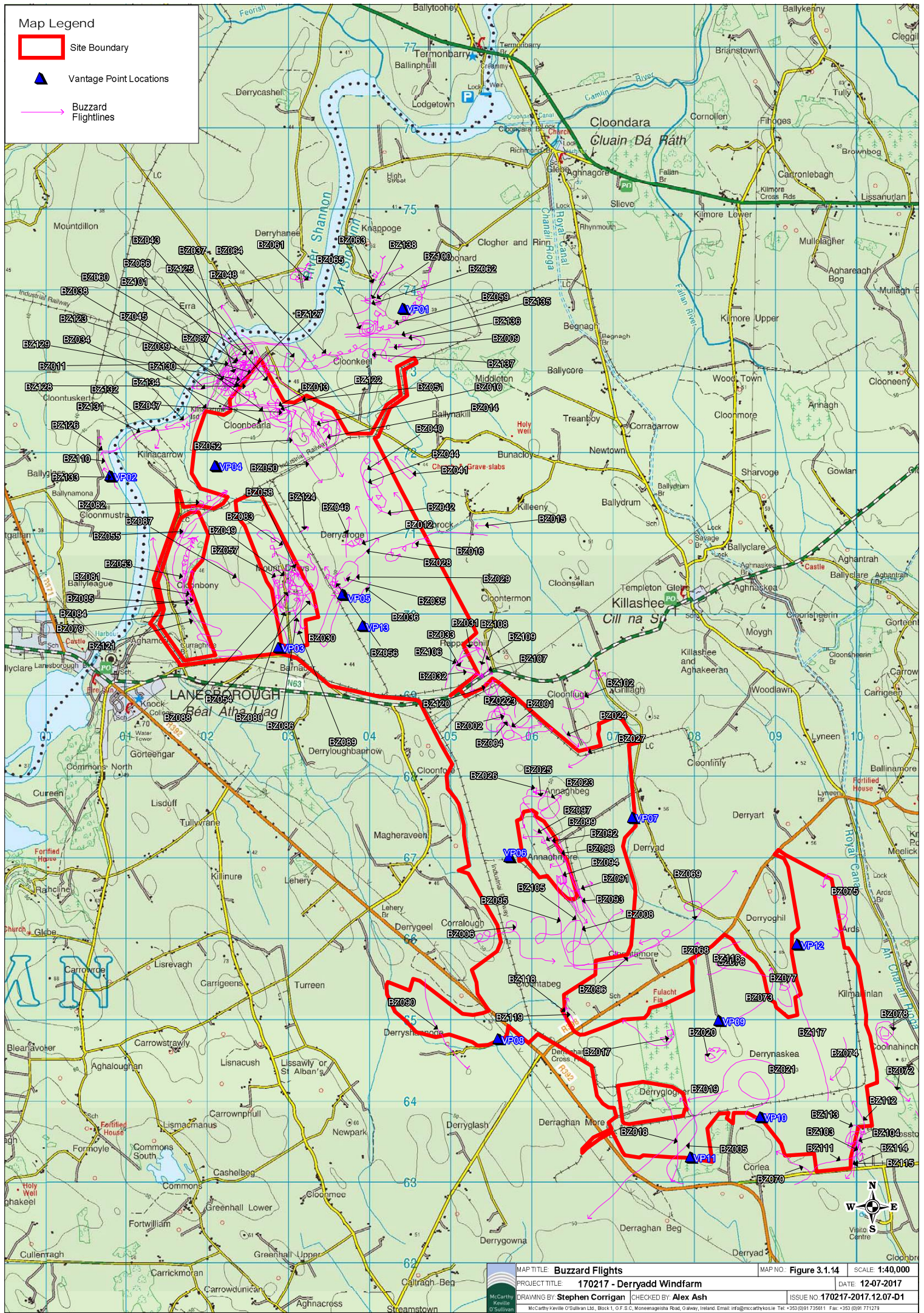
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Map Legend

Site Boundary

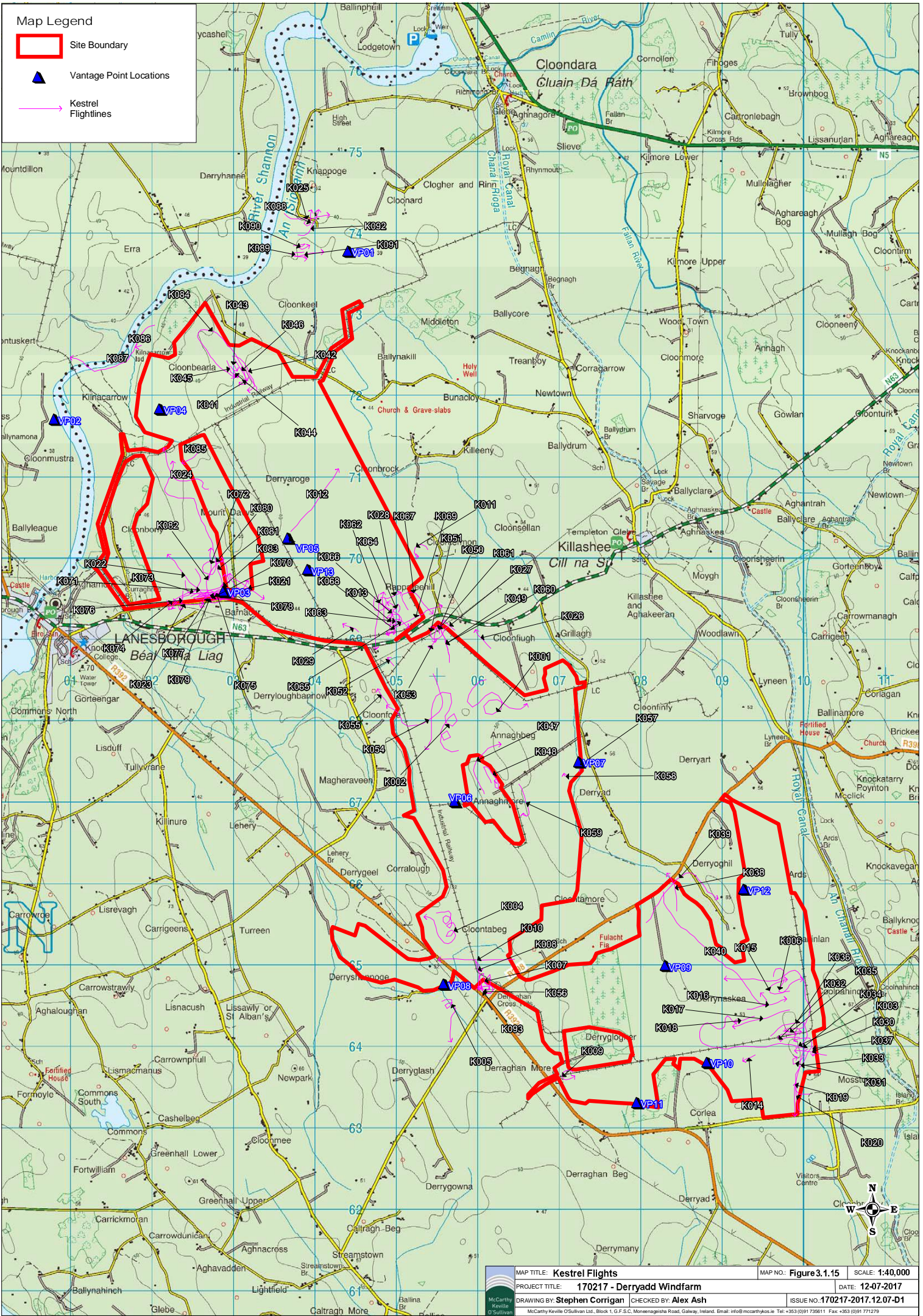
Vantage Point Locations

Buzzard Flightlines



Map Legend

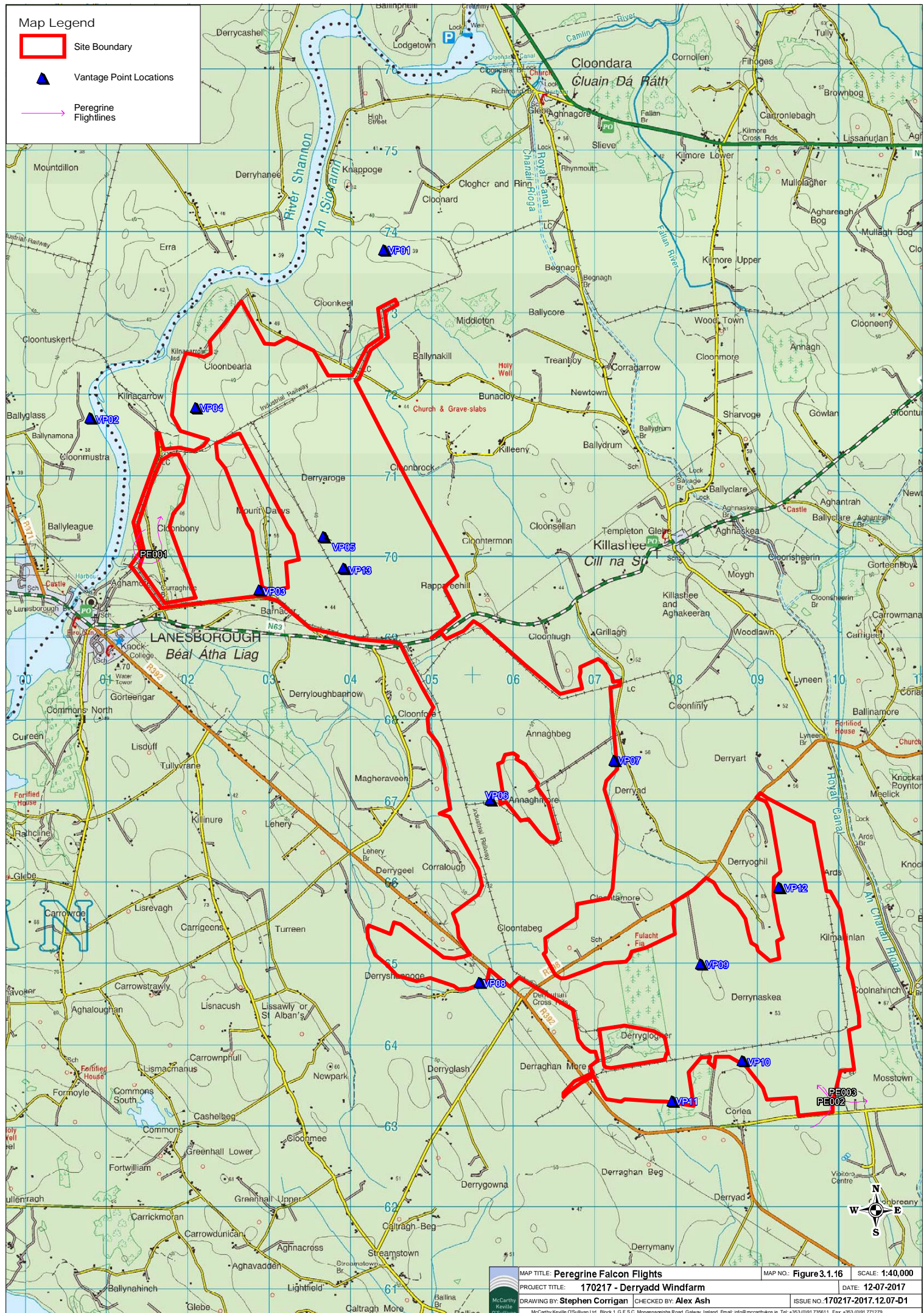
- Site Boundary
- ▲ Vantage Point Locations
- Kestrel Flightlines



MAP TITLE: Kestrel Flights	MAP NO.: Figure 3.1.15	SCALE: 1:40,000
PROJECT TITLE: 170217 - Derryadd Windfarm	DATE: 12-07-2017	
DRAWING BY: Stephen Corrigan	CHECKED BY: Alex Ash	ISSUE NO.: 170217-2017.12.07-01

Map Legend

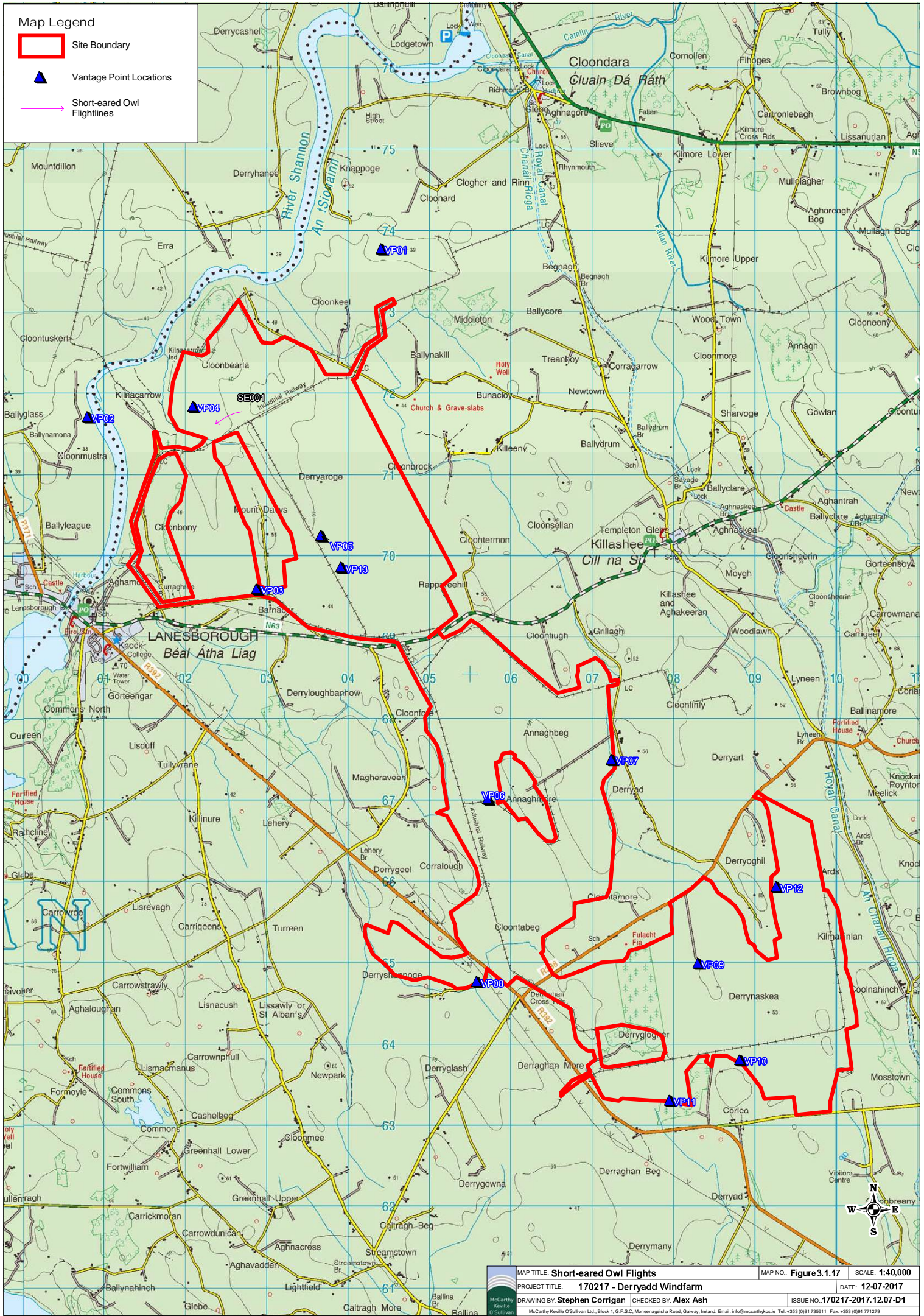
- Site Boundary
- ▲ Vantage Point Locations
- Peregrine Flightlines



MAP TITLE: Peregrine Falcon Flights	MAP NO.: Figure 3.1.16	SCALE: 1:40,000
PROJECT TITLE: 170217 - Derryadd Windfarm	DATE: 12-07-2017	
DRAWING BY: Stephen Corrigan	CHECKED BY: Alex Ash	ISSUE NO.: 170217-2017.12.07-D1

Map Legend

- Site Boundary
- Vantage Point Locations
- Short-eared Owl Flightlines

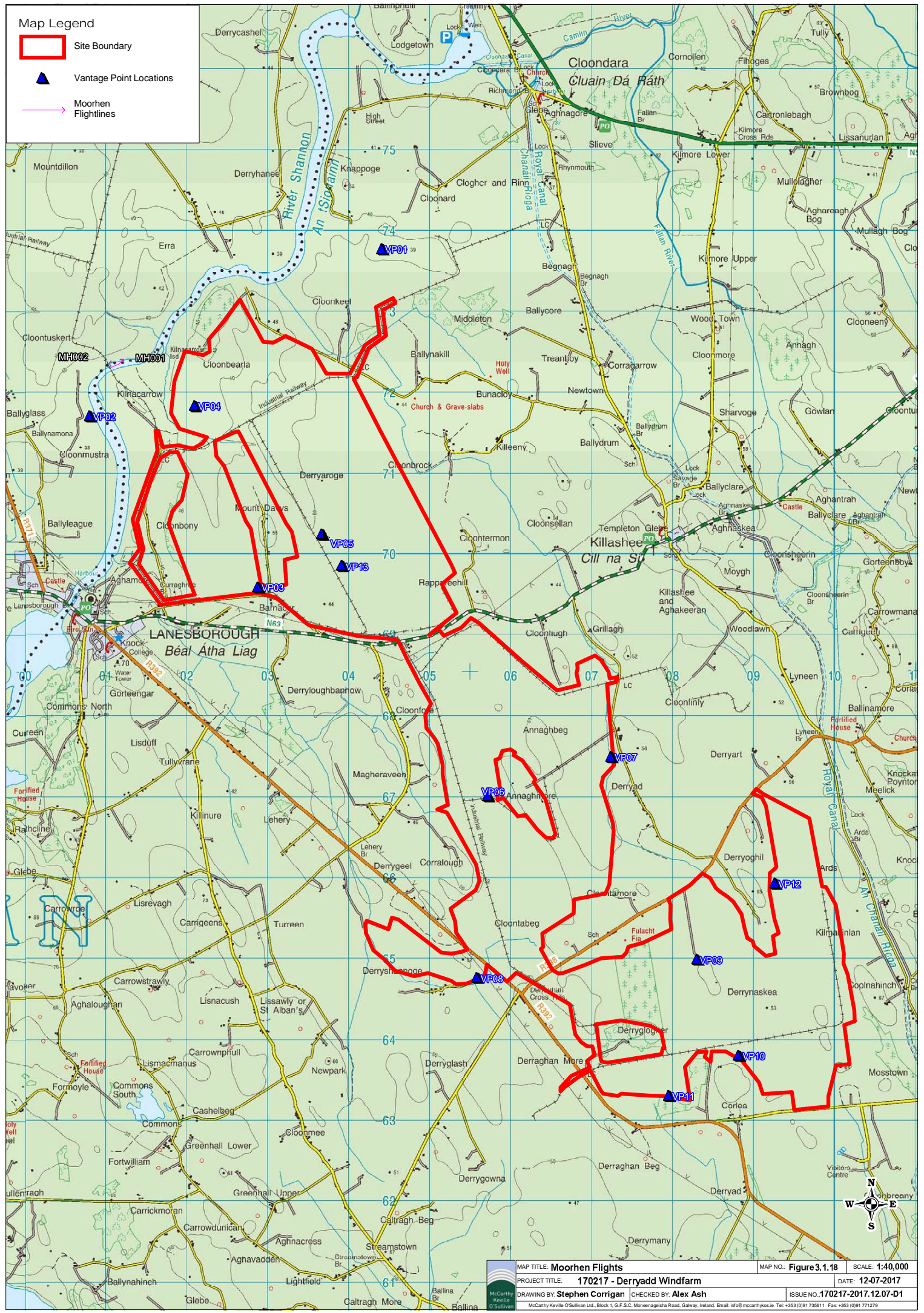


MAP TITLE: Short-eared Owl Flights	MAP NO.: Figure 3.1.17	SCALE: 1:40,000
PROJECT TITLE: 170217 - Derryadd Windfarm	DATE: 12-07-2017	
DRAWING BY: Stephen Corrigan	CHECKED BY: Alex Ash	ISSUE NO. 170217-2017.12.07-D1

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Map Legend

- Site Boundary
- Vantage Point Locations
- Moorhen Flightlines

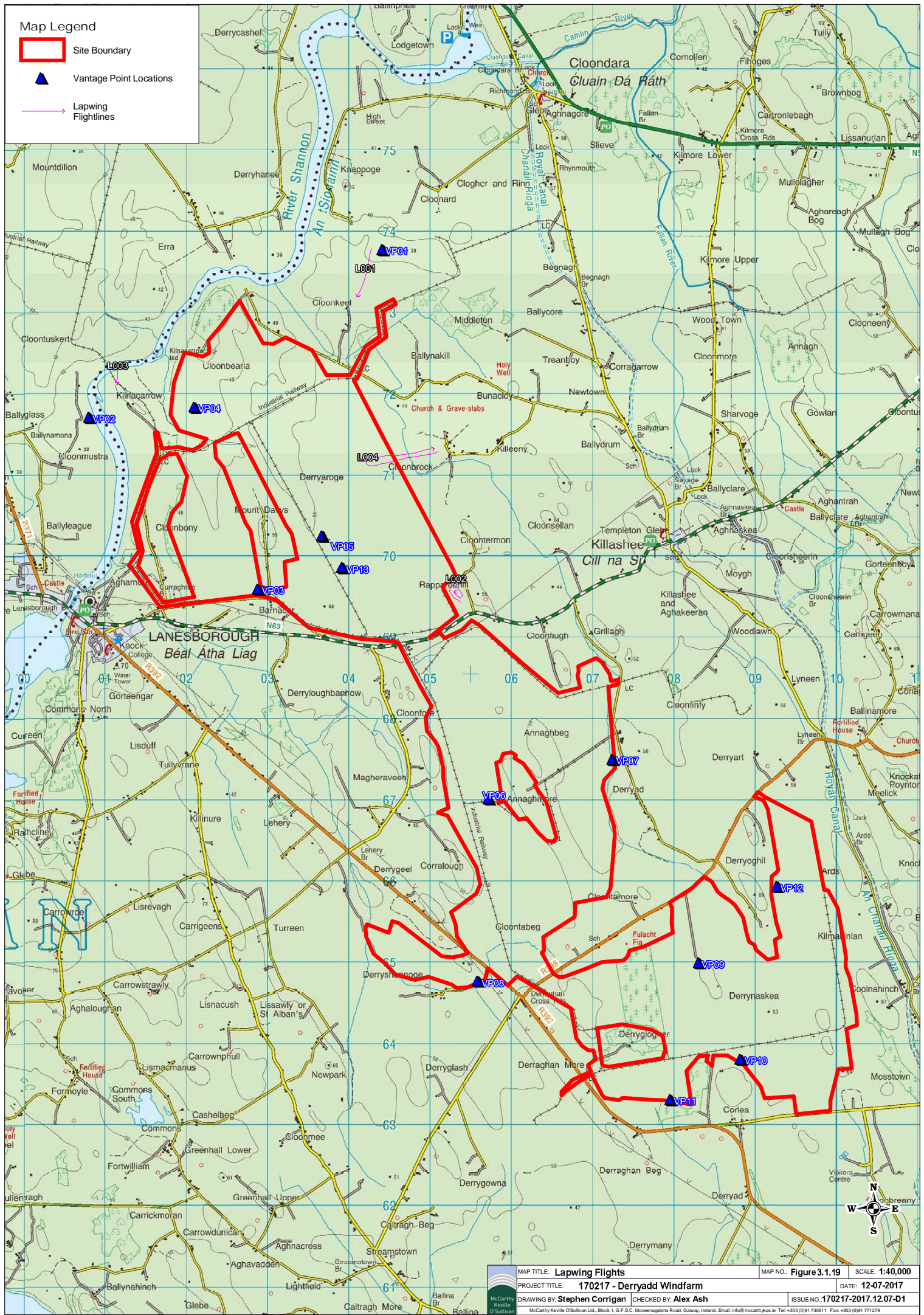


MAP TITLE: Moorhen Flights	MAP NO.: Figure 3.1.18	SCALE: 1:40,000
PROJECT TITLE: 170217 - Derradd Windfarm	DATE: 12-07-2017	
DRAWING BY: Stephen Corrigan	CHECKED BY: Alex Ash	ISSUE NO. 170217-2017.12.07-01

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Map Legend

- Site Boundary
- ▲ Vantage Point Locations
- Lapwing Flightlines

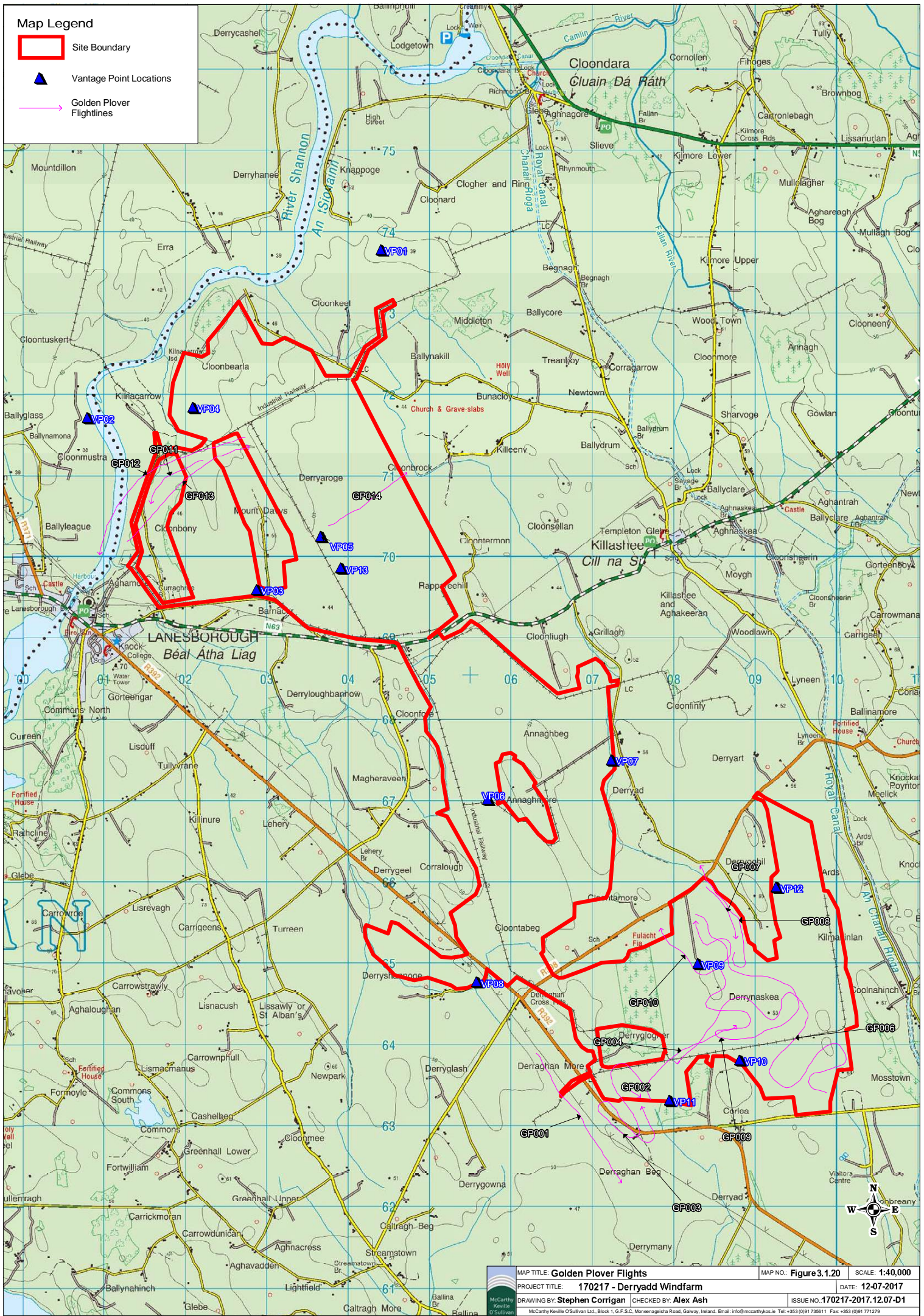


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PROJECT TITLE: 170217 - Derryadd Windfarm	DATE: 12-07-2017	
DRAWING BY: Stephen Corrigan	CHECKED BY: Alex Ash	ISSUE NO.: 170217-2017.12.07-D1

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Map Legend

- Site Boundary
- Vantage Point Locations
- Golden Plover Flightlines

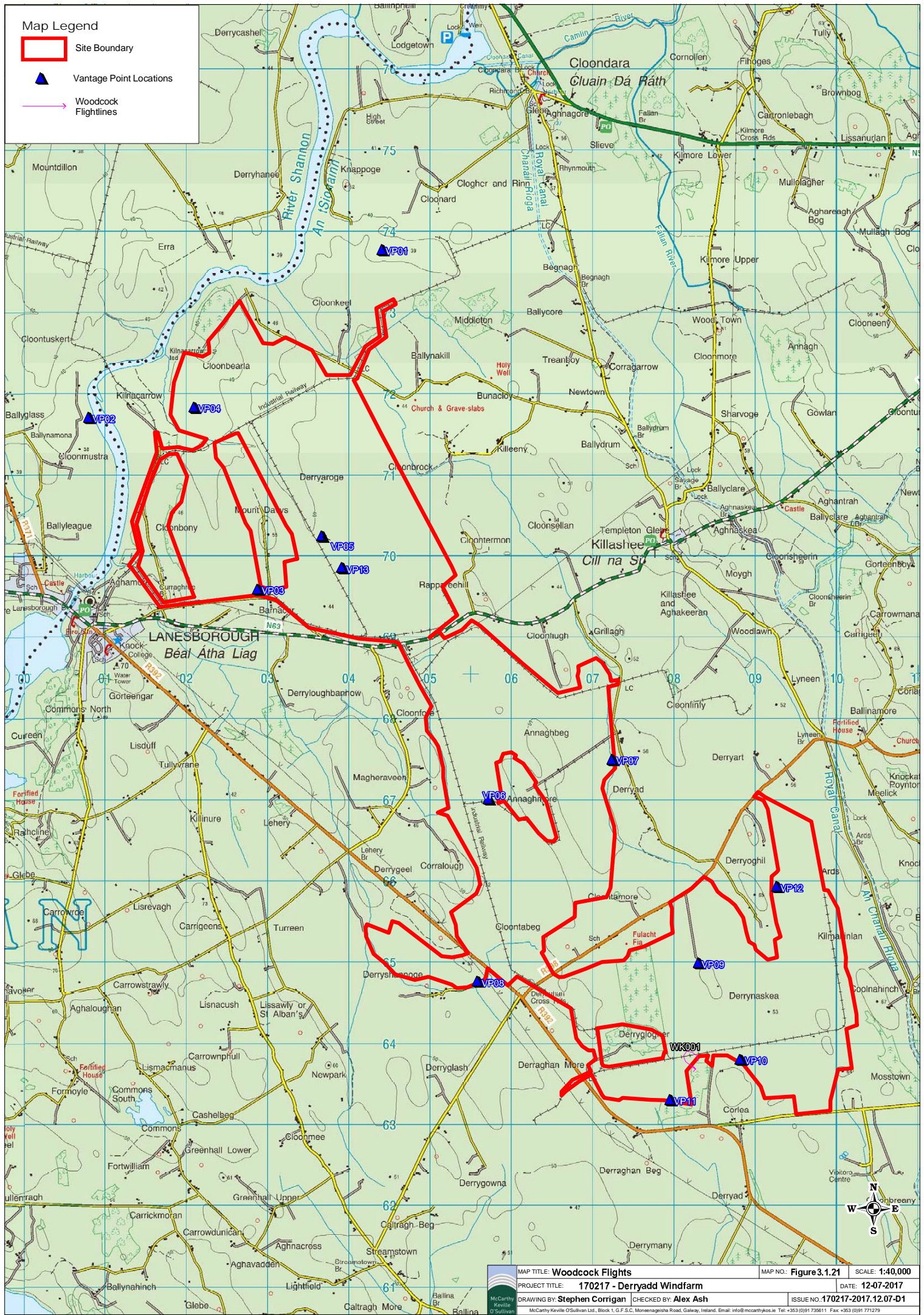


MAP TITLE: Golden Plover Flights	MAP NO.: Figure 3.1.20	SCALE: 1:40,000
PROJECT TITLE: 170217 - Derryad Windfarm	DATE: 12-07-2017	
DRAWING BY: Stephen Corrigan	CHECKED BY: Alex Ash	ISSUE NO. 170217-2017.12.07-D1

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Map Legend




- Site Boundary
- Vantage Point Locations
- Woodcock Flightlines

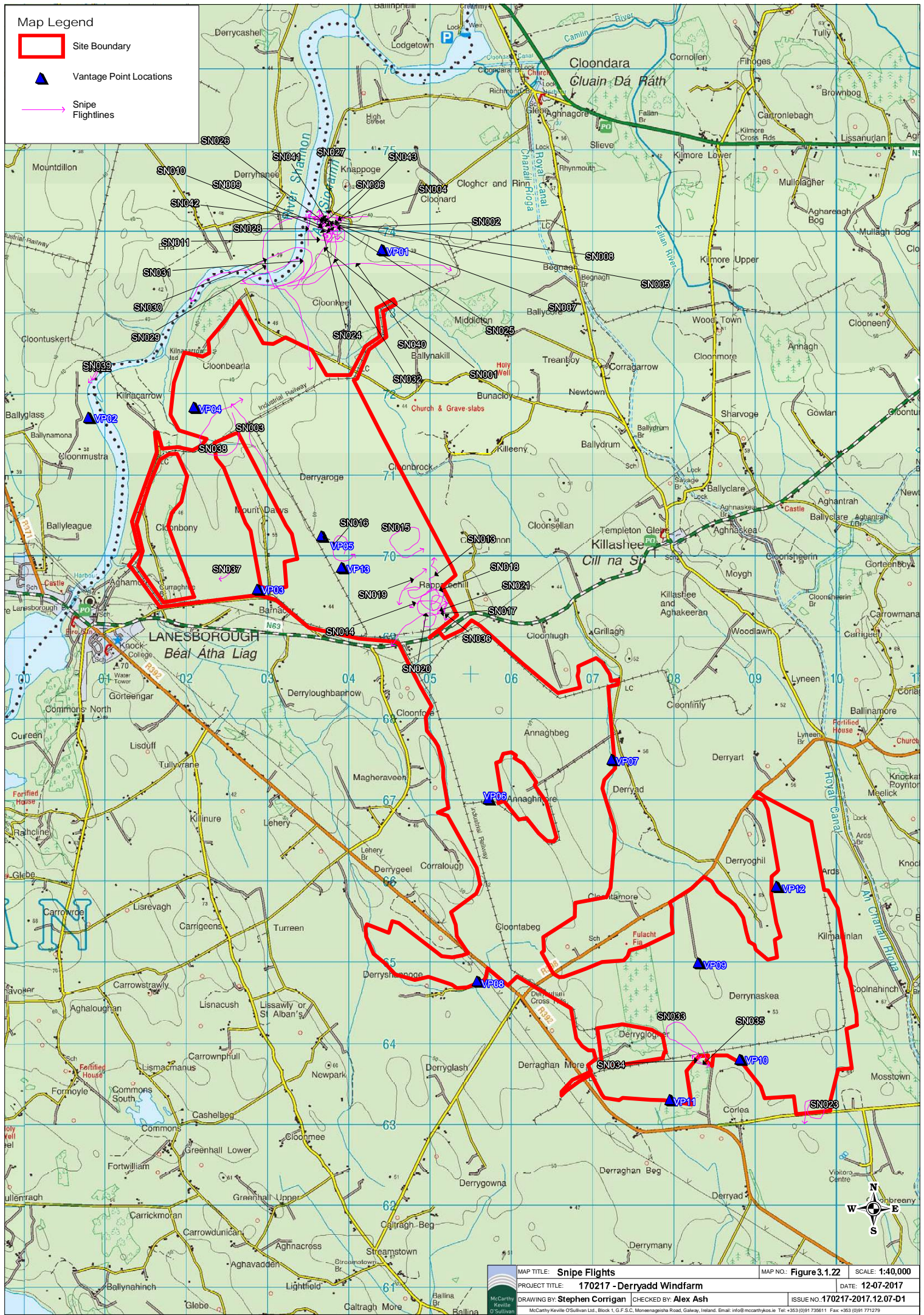


MAP TITLE: Woodcock Flights	MAP NO.: Figure 3.1.21	SCALE: 1:40,000
PROJECT TITLE: 170217 - Derryadd Windfarm	DATE: 12-07-2017	
DRAWING BY: Stephen Corrigan	CHECKED BY: Alex Ash	ISSUE NO. 170217-2017.12.07-D1

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Map Legend

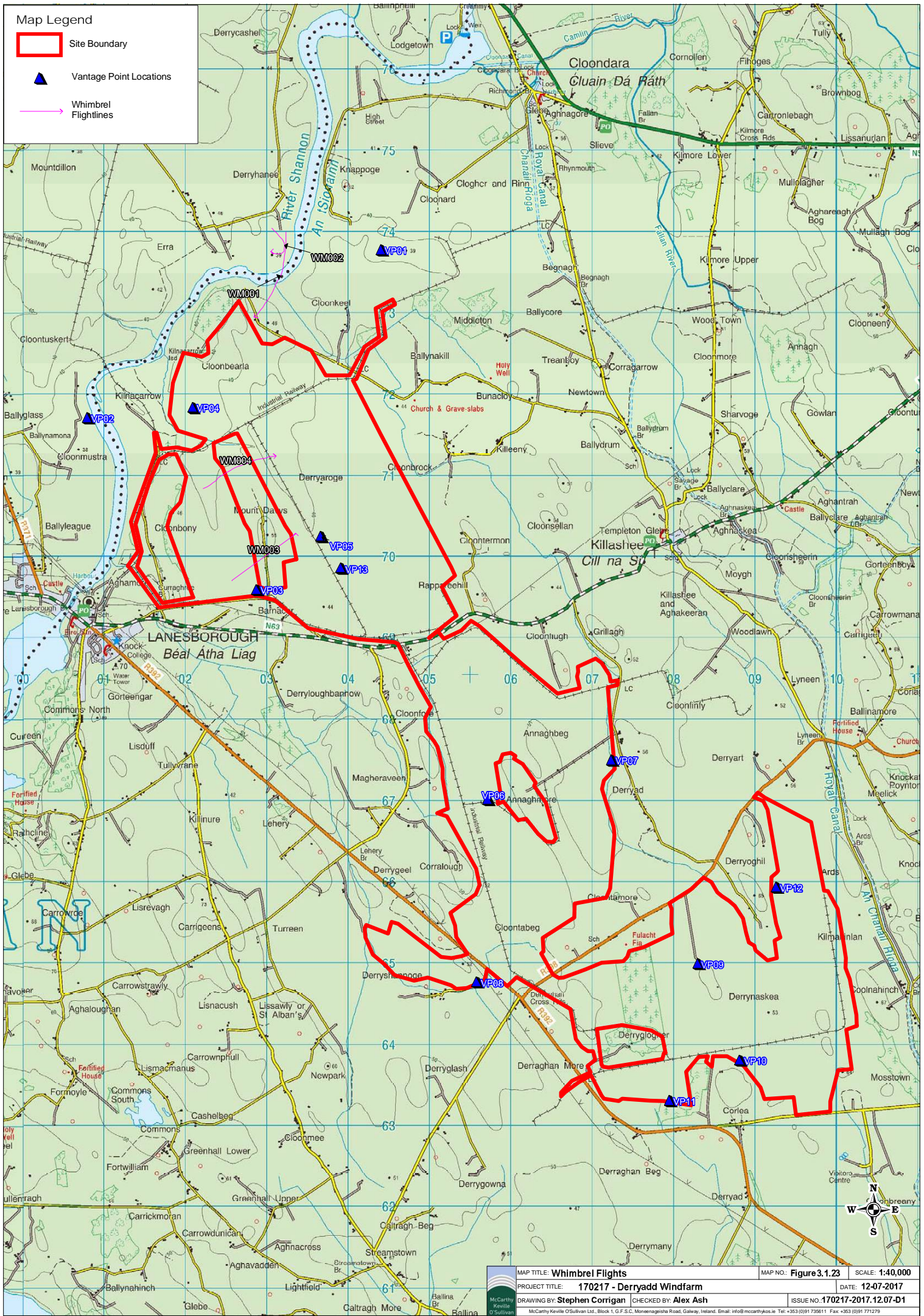
-  Site Boundary
-  Vantage Point Locations
-  Snipe Flightlines



	MAP TITLE: Snipe Flights	MAP NO.: Figure 3.1.22	SCALE: 1:40,000
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	DRAWING BY: Stephen Corrigan	CHECKED BY: Alex Ash	ISSUE NO. 170217-2017.12.07-D1
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Map Legend

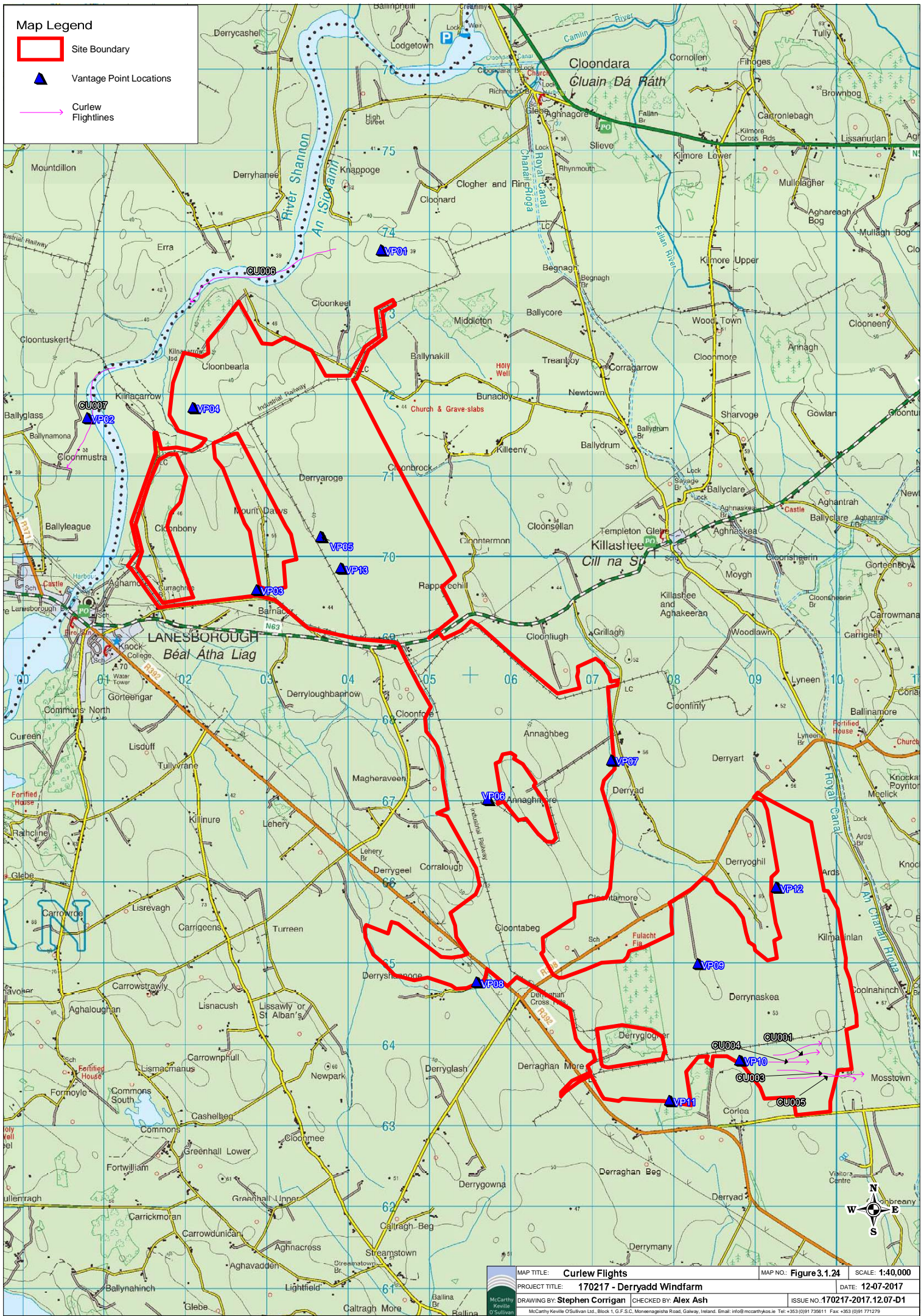
- Site Boundary
- ▲ Vantage Point Locations
- Whimbrel Flightlines



<p>MAP TITLE: Whimbrel Flights</p> <p>PROJECT TITLE: 170217 - Derryadd Windfarm</p> <p>DRAWING BY: Stephen Corrigan</p> <p>CHECKED BY: Alex Ash</p>	<p>MAP NO.: Figure 3.1.23</p> <p>SCALE: 1:40,000</p> <p>DATE: 12-07-2017</p> <p>ISSUE NO.: 170217-2017.12.07-01</p>
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Map Legend

- Site Boundary
- ▲ Vantage Point Locations
- Curlew Flightlines

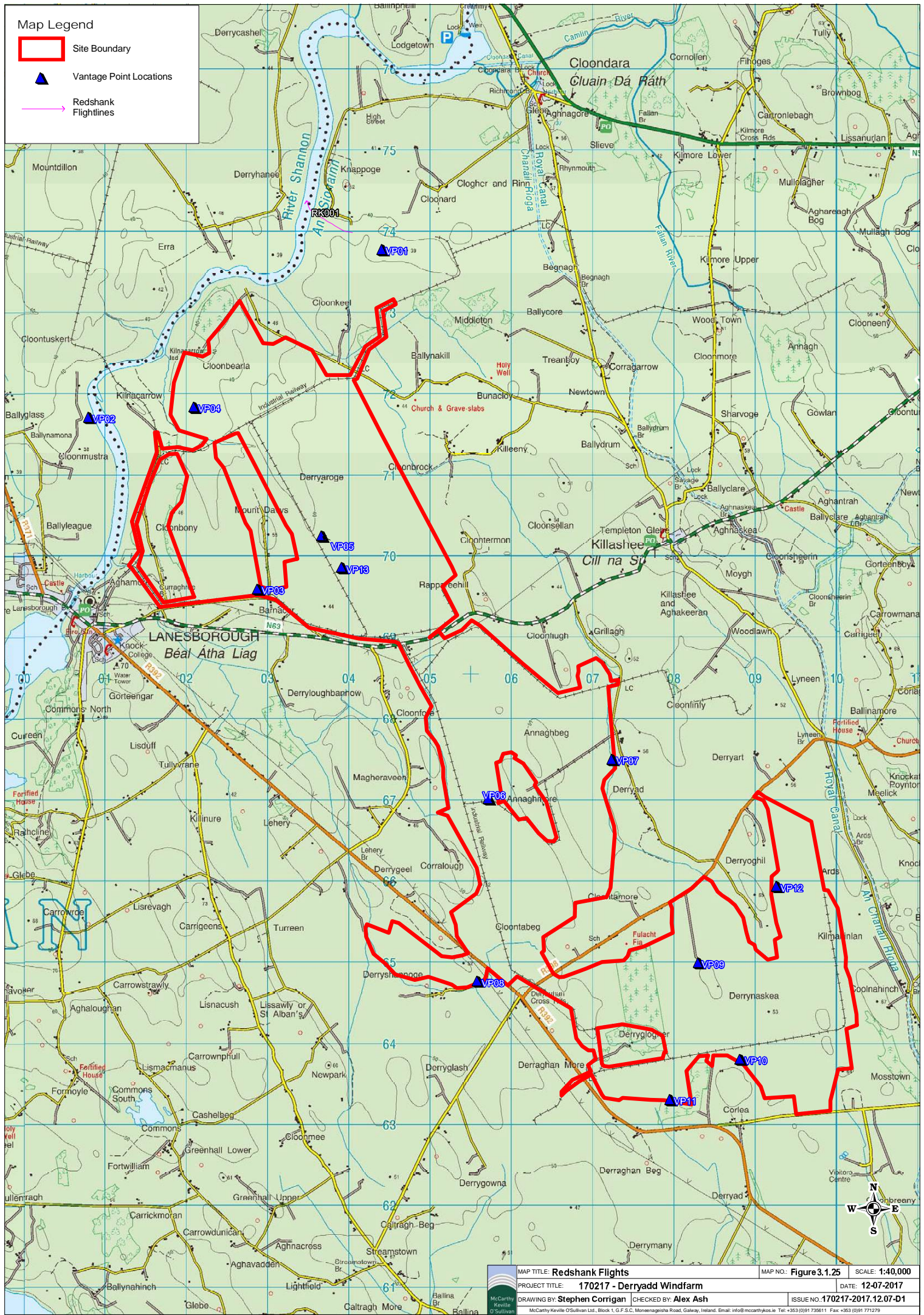


MAP TITLE: Curlew Flights	MAP NO.: Figure 3.1.24	SCALE: 1:40,000
PROJECT TITLE: 170217 - Derryadd Windfarm	DATE: 12-07-2017	
DRAWING BY: Stephen Corrigan	CHECKED BY: Alex Ash	ISSUE NO.: 170217-2017.12.07-D1

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Map Legend

- Site Boundary
- ▲ Vantage Point Locations
- Redshank Flightlines



MAP TITLE: Redshank Flights	MAP NO.: Figure 3.1.25	SCALE: 1:40,000
PROJECT TITLE: 170217 - Derryadd Windfarm	DATE: 12-07-2017	
DRAWING BY: Stephen Corrigan	CHECKED BY: Alex Ash	ISSUE NO.: 170217-2017.12.07-D1

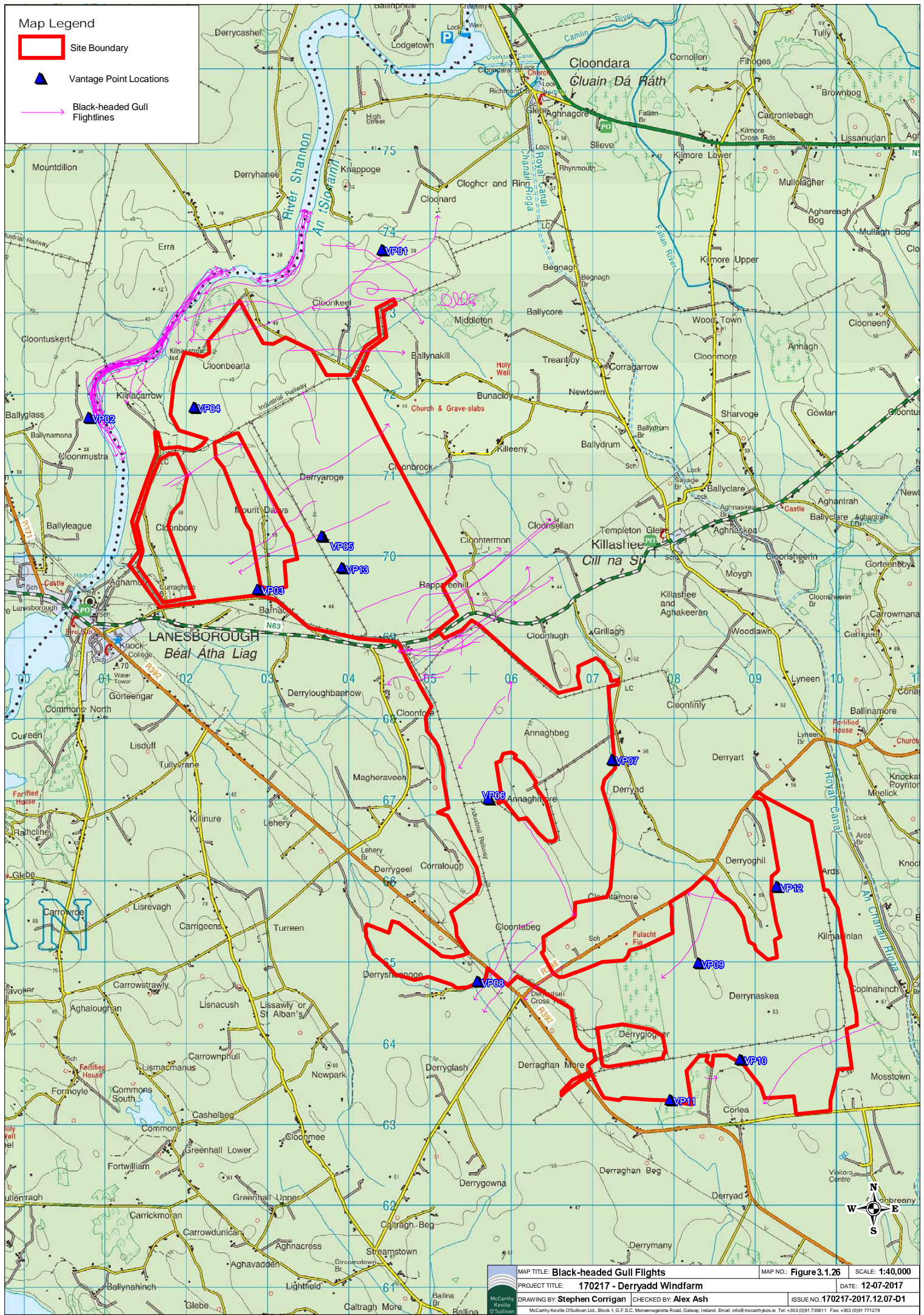
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Map Legend

 Site Boundary

 Vantage Point Locations

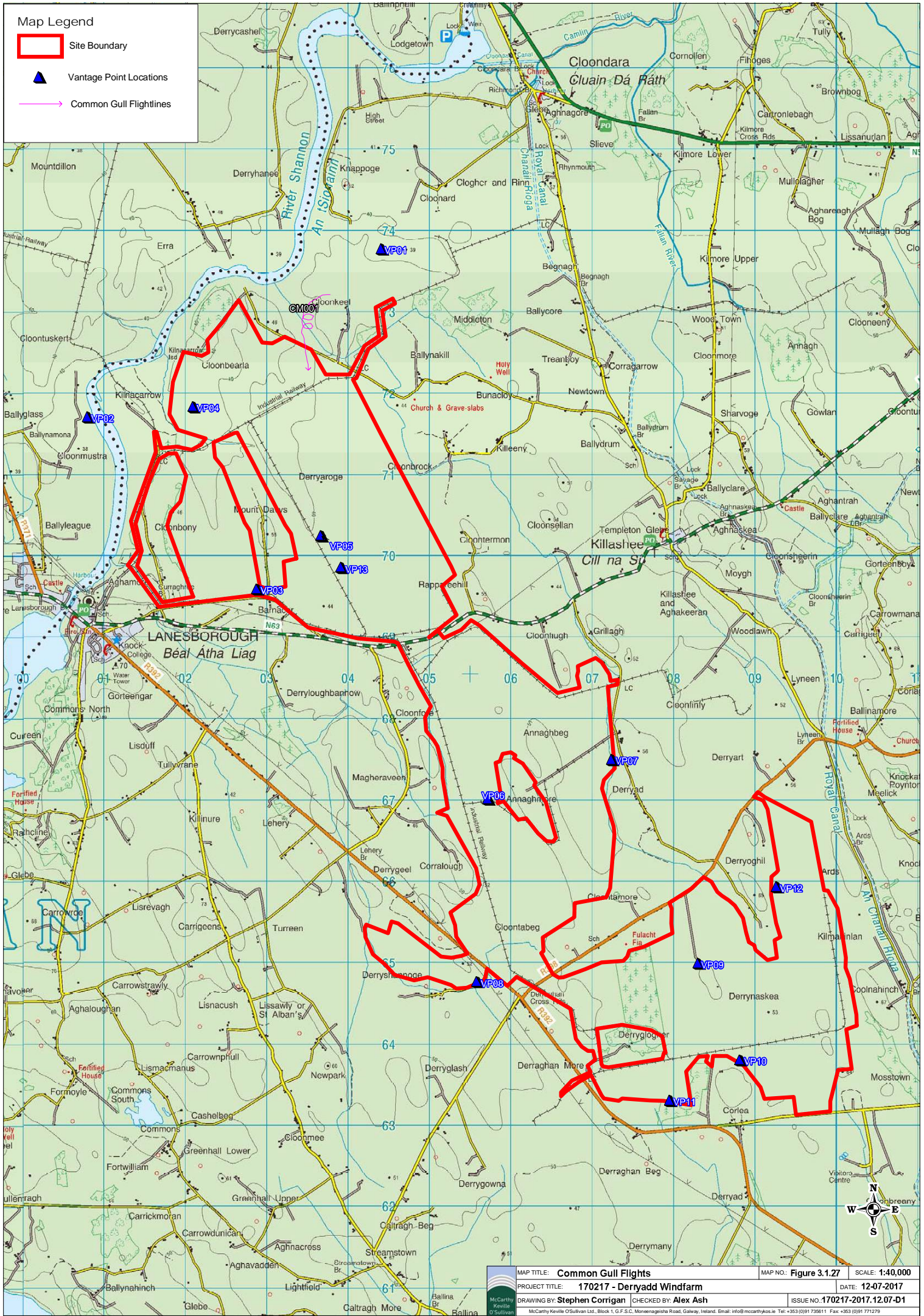
 Black-headed Gull Flightlines



	MAP TITLE: Black-headed Gull Flights	MAP NO.: Figure 3.1.26	SCALE: 1:40,000
	PROJECT TITLE: 170217 - Derriddagh Windfarm		DATE: 12-07-2017
	DRAWING BY: Stephen Corrigan	CHECKED BY: Alex Ash	ISSUE NO: 170217-2017.12.07-D1
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Map Legend

- Site Boundary
- Vantage Point Locations
- Common Gull Flightlines

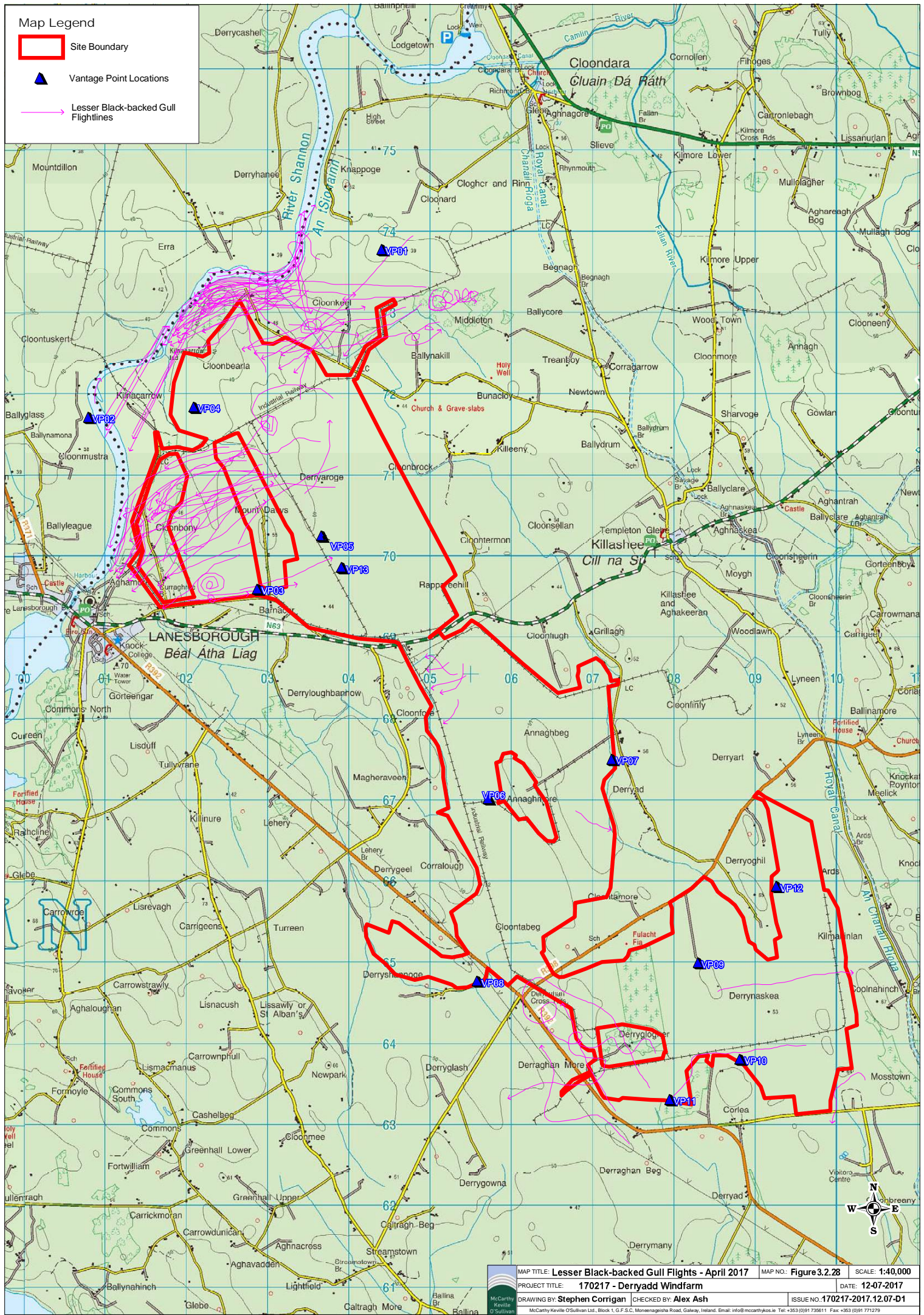


MAP TITLE: Common Gull Flights	MAP NO.: Figure 3.1.27	SCALE: 1:40,000
PROJECT TITLE: 170217 - Derryd Windfarm	DATE: 12-07-2017	
DRAWING BY: Stephen Corrigan	CHECKED BY: Alex Ash	ISSUE NO. 170217-2017.12.07-D1

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Map Legend

- Site Boundary
- ▲ Vantage Point Locations
- Lesser Black-backed Gull Flightlines

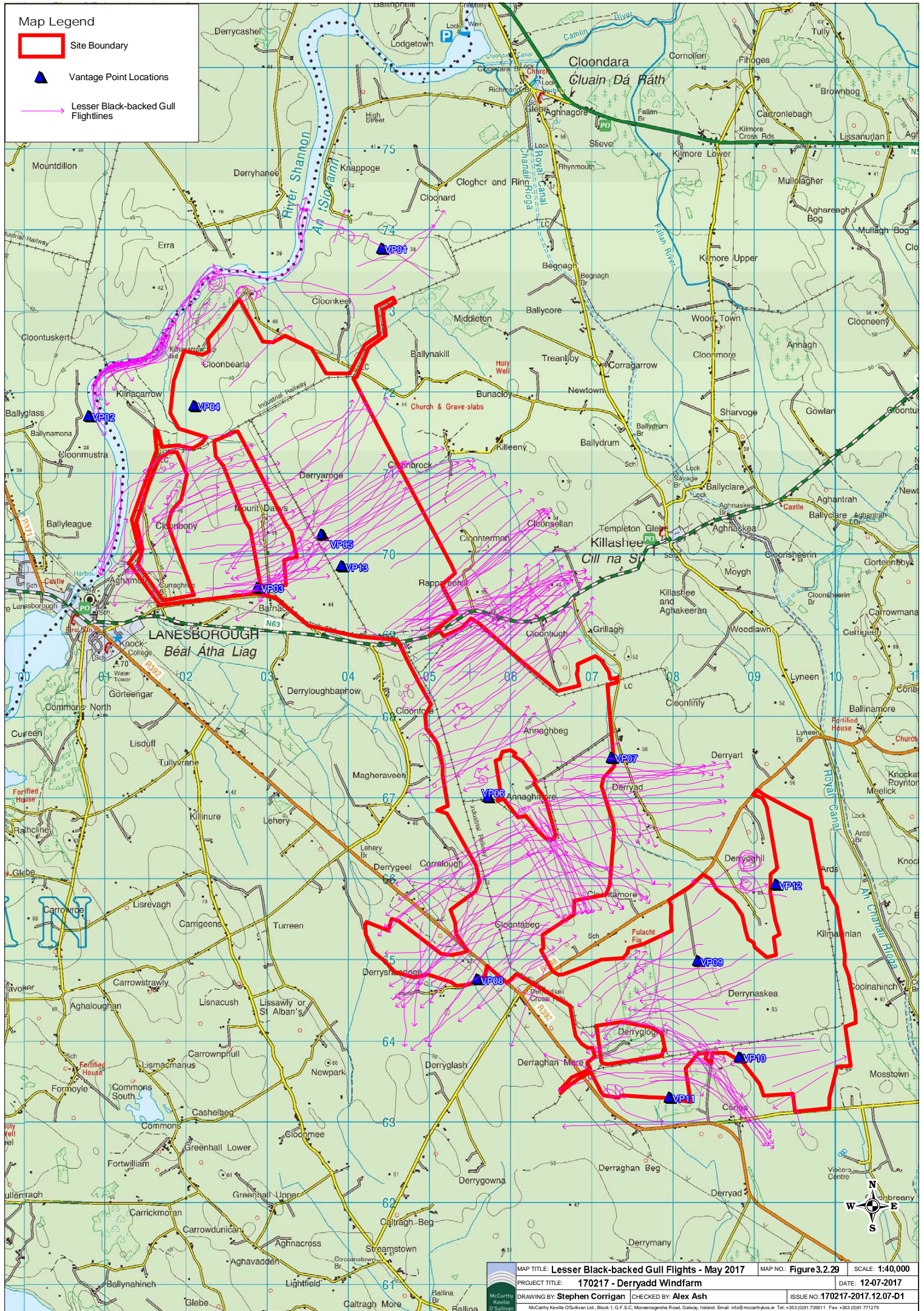


MAP TITLE: Lesser Black-backed Gull Flights - April 2017	MAP NO.: Figure 3.2.28	SCALE: 1:40,000
PROJECT TITLE: 170217 - Derryadd Windfarm		DATE: 12-07-2017
DRAWING BY: Stephen Corrigan	CHECKED BY: Alex Ash	ISSUE NO.: 170217-2017.12.07-D1

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Map Legend

- Site Boundary
- Vantage Point Locations
- Lesser Black-backed Gull Flightlines



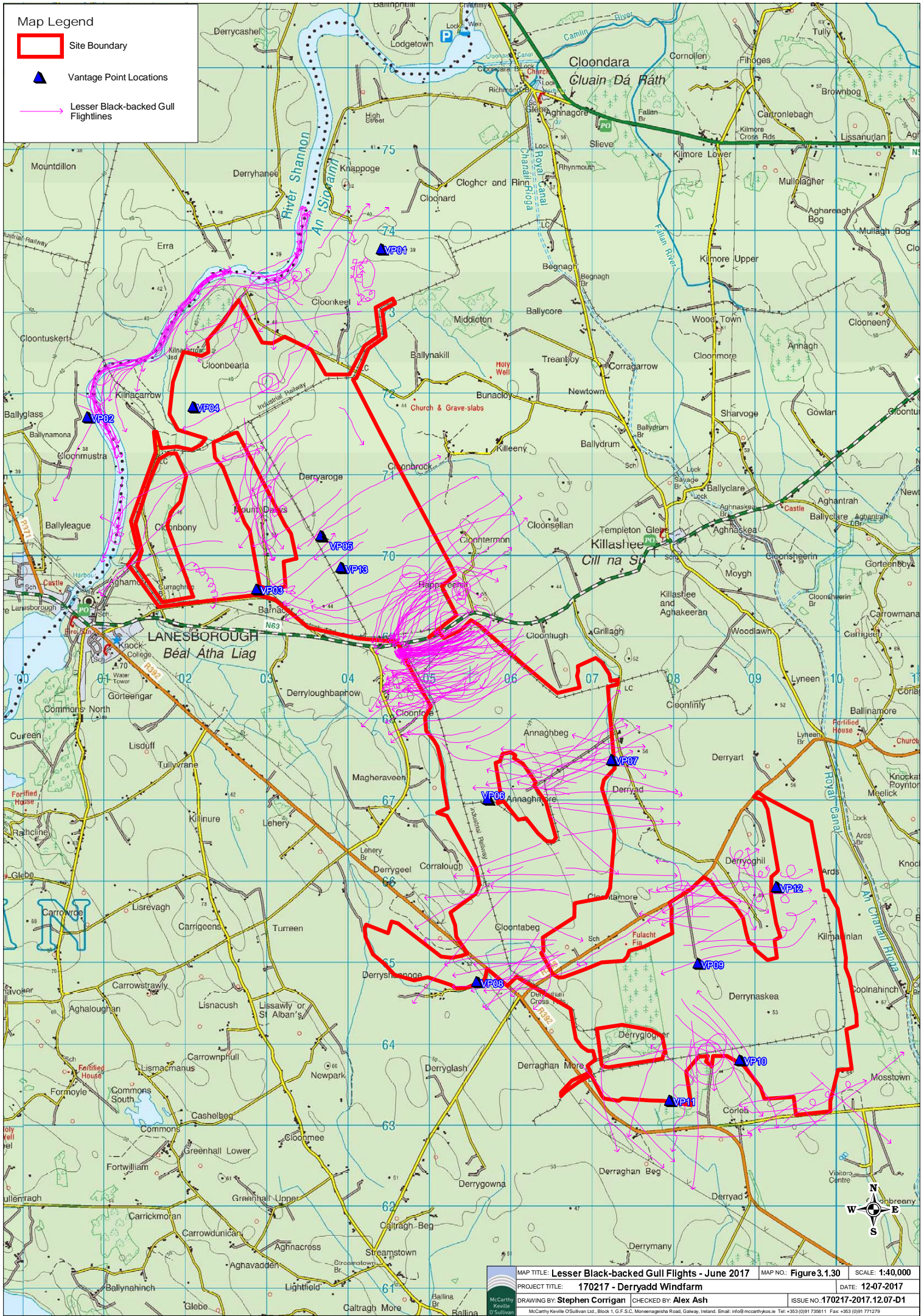
	MAP TITLE: Lesser Black-backed Gull Flights - May 2017	MAP NO.: Figure 3.2.29	SCALE: 1:40,000
	PROJECT TITLE: 170217 - Derryadd Windfarm		DATE: 12-07-2017
	DRAWING BY: Stephen Corrigan	CHECKED BY: Alex Ash	ISSUE NO. 170217-2017.12.07-01
McCarthy Keville O'Sullivan Ltd., Block 1, G.F.S.C. Monaghanista Road, Galway, Ireland. Email: info@mcCarthyklos.ie Tel: +353 (0)91 735611 Fax: +353 (0)91 771279			

Map Legend

Site Boundary

Vantage Point Locations

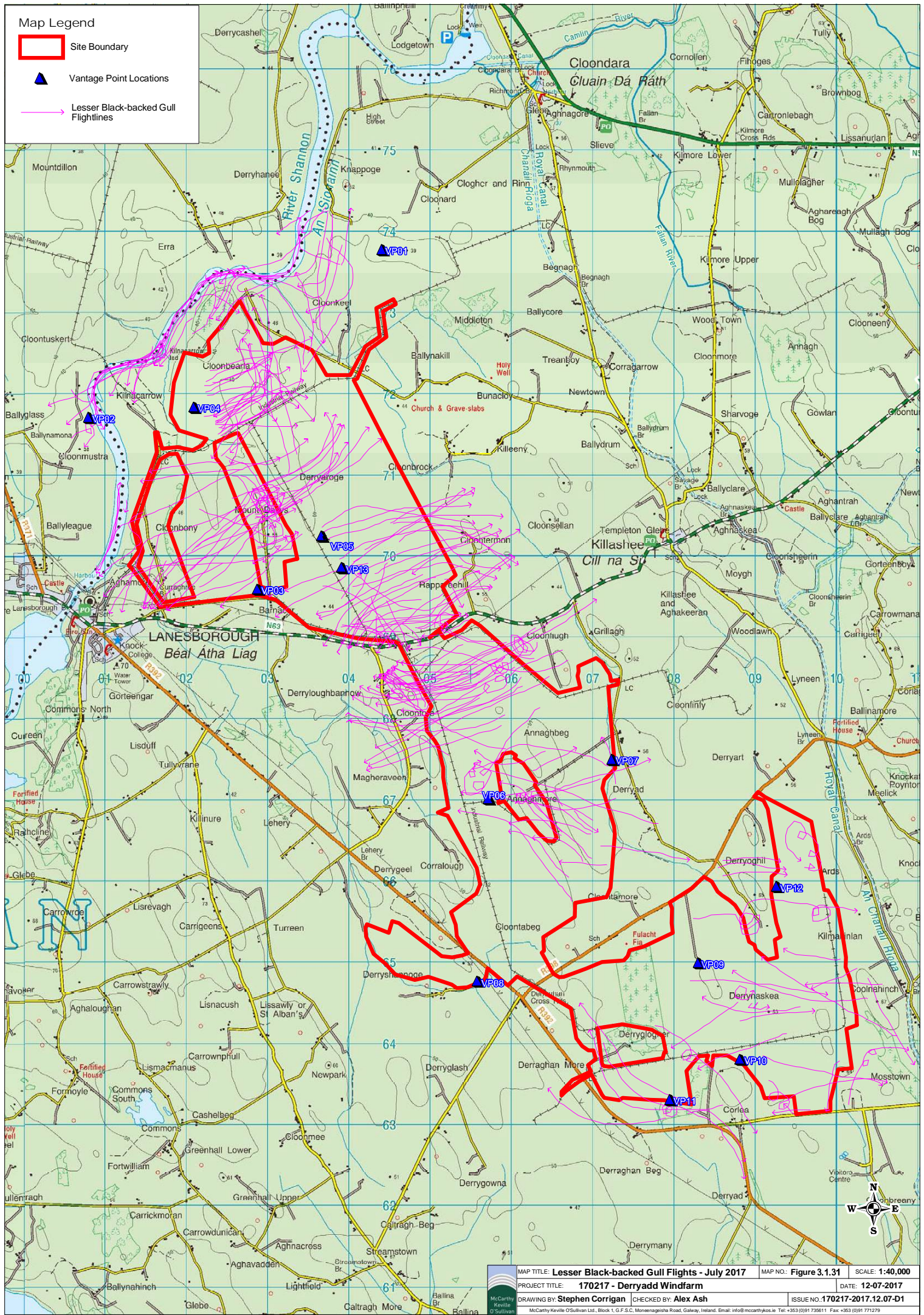
Lesser Black-backed Gull Flightlines



	MAP TITLE: Lesser Black-backed Gull Flights - June 2017 PROJECT TITLE: 170217 - Derryadd Windfarm	MAP NO.: Figure 3.1.30 DATE: 12-07-2017	SCALE: 1:40,000
DRAWING BY: Stephen Corrigan CHECKED BY: Alex Ash		ISSUE NO.: 170217-2017.12.07-D1	
<small>McCarthy Keville O'Sullivan Ltd. Block 1, G.F.S.C. Monaghanista Road, Galway, Ireland. Email: info@mcCarthykes.com Tel: +353 (0)91 735611 Fax: +353 (0)91 771279</small>			

Map Legend

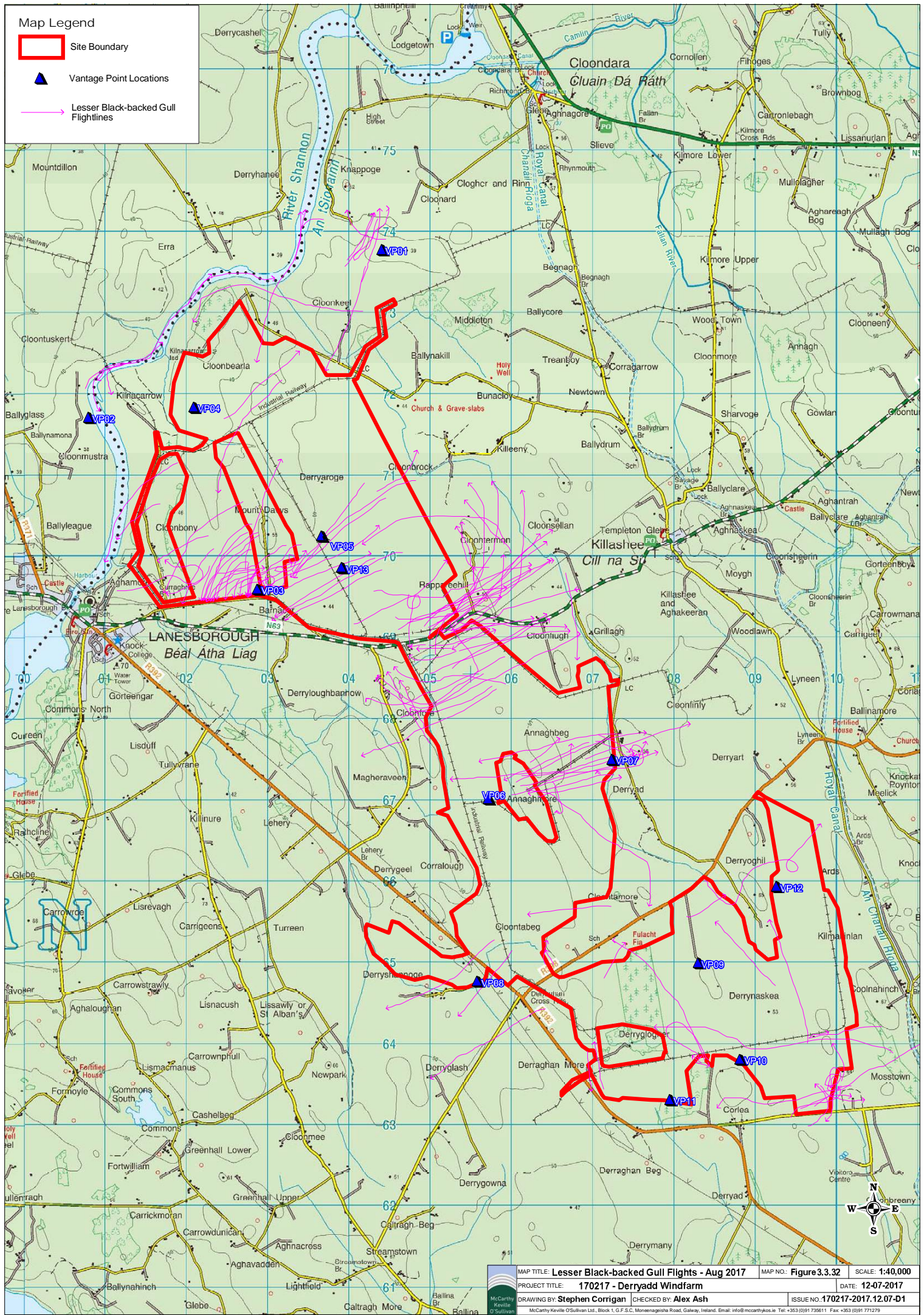
- Site Boundary
- Vantage Point Locations
- Lesser Black-backed Gull Flightlines



MAP TITLE: Lesser Black-backed Gull Flights - July 2017
PROJECT TITLE: 170217 - Derryadd Windfarm
DRAWING BY: Stephen Corrigan
CHECKED BY: Alex Ash
MAP NO.: Figure 3.1.31
SCALE: 1:40,000
DATE: 12-07-2017
ISSUE NO.: 170217-2017.12.07-D1

Map Legend

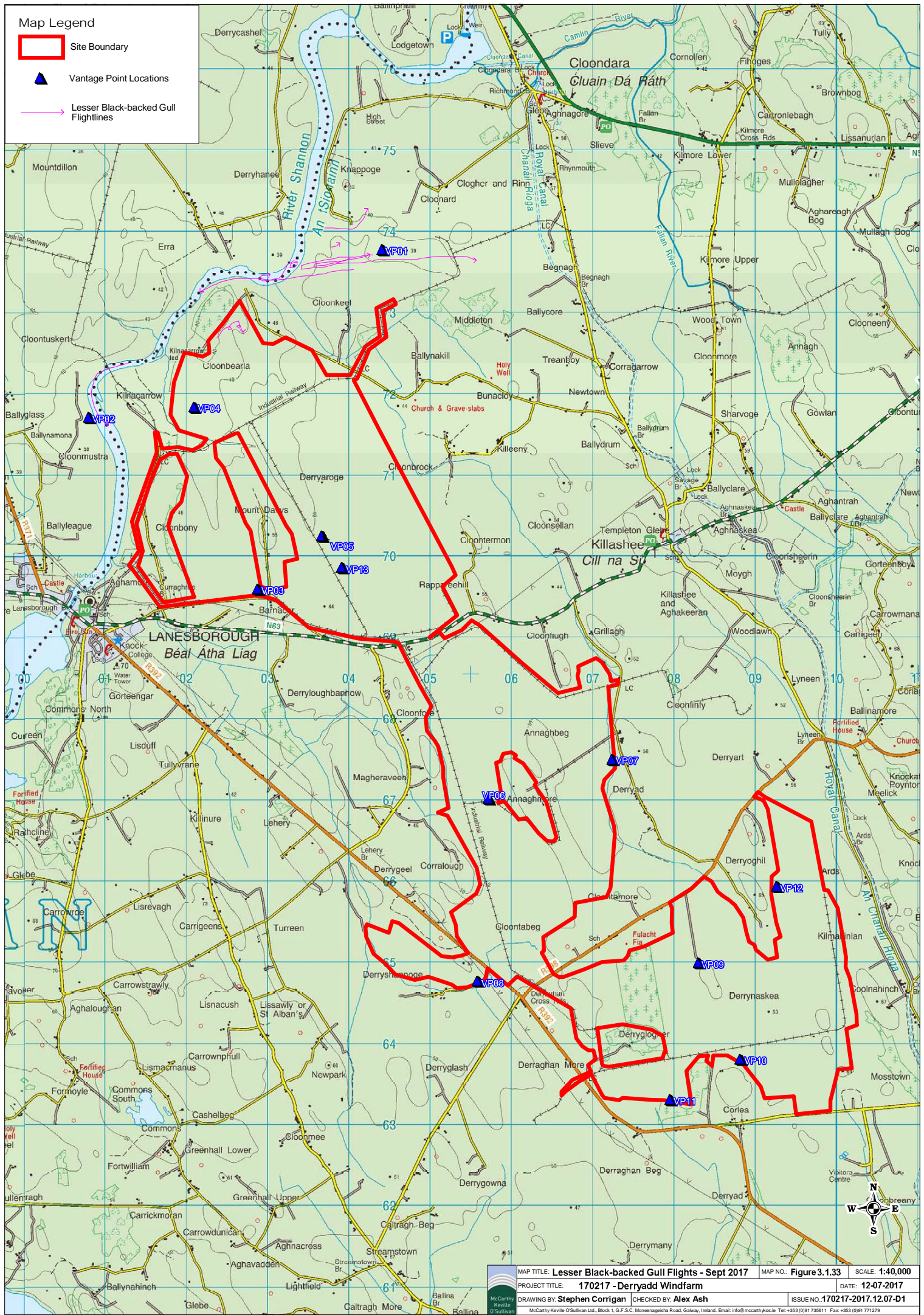
- Site Boundary
- Vantage Point Locations
- Lesser Black-backed Gull Flightlines



MAP TITLE: Lesser Black-backed Gull Flights - Aug 2017
PROJECT TITLE: 170217 - Derryadd Windfarm
DRAWING BY: Stephen Corrigan
CHECKED BY: Alex Ash
MAP NO.: Figure 3.3.32
SCALE: 1:40,000
DATE: 12-07-2017
ISSUE NO. 170217-2017.12.07-01

Map Legend

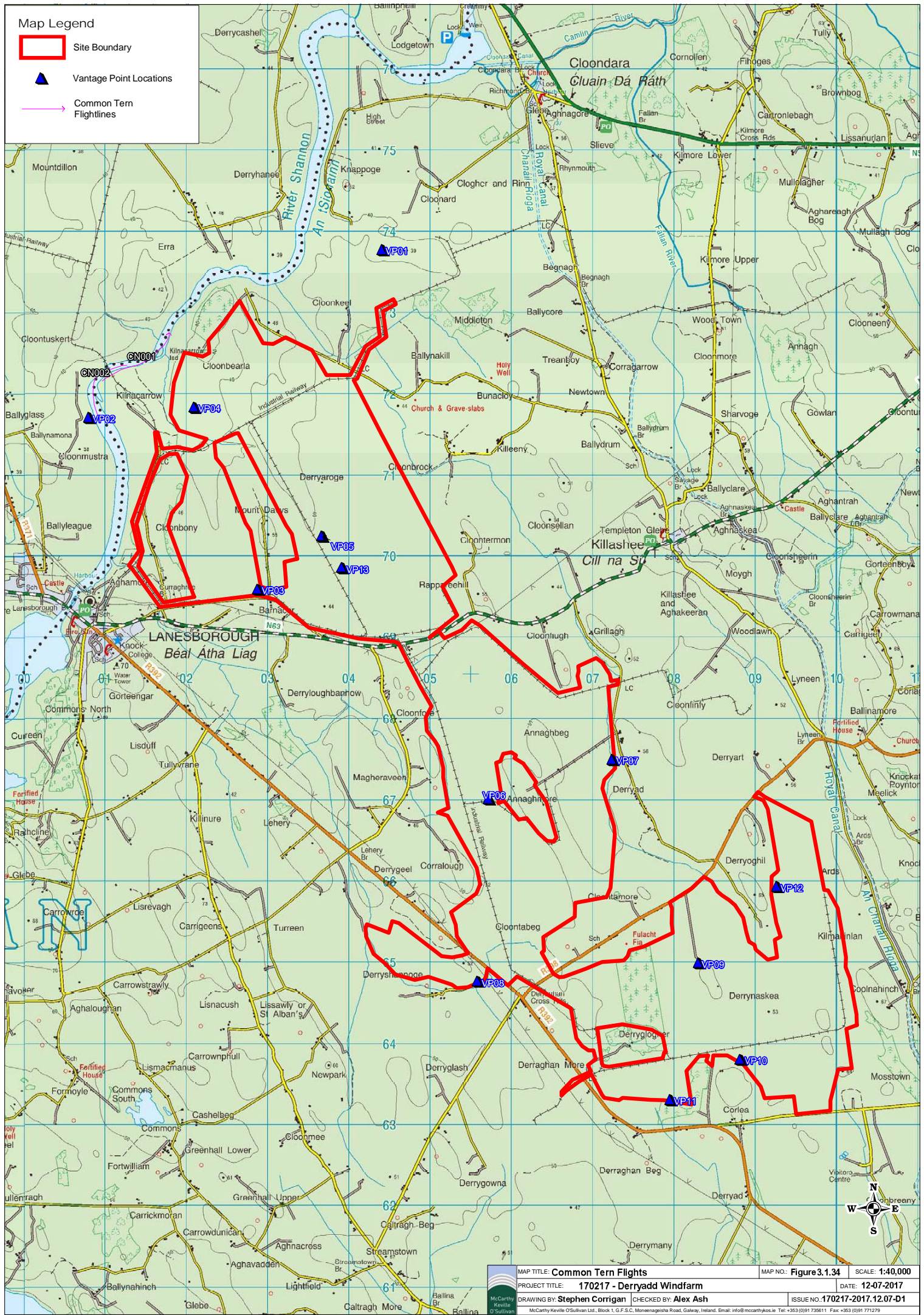
- Site Boundary
- Vantage Point Locations
- Lesser Black-backed Gull Flightlines



	MAP TITLE: Lesser Black-backed Gull Flights - Sept 2017	MAP NO.: Figure 3.1.33	SCALE: 1:40,000
	PROJECT TITLE: 170217 - Derrygull Windfarm		DATE: 12-07-2017
	DRAWING BY: Stephen Corrigan	CHECKED BY: Alex Ash	ISSUE NO. 170217-2017.12.07-D1

Map Legend

- Site Boundary
- Vantage Point Locations
- Common Tern Flightlines



MAP TITLE: Common Tern Flights	MAP NO.: Figure 3.1.34	SCALE: 1:40,000
PROJECT TITLE: 170217 - Derradd Windfarm	DATE: 12-07-2017	
DRAWING BY: Stephen Corrigan	CHECKED BY: Alex Ash	ISSUE NO. 170217-2017.12.07-D1

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Table 4 – Vantage Point (Non-Target)

Date	VP	Species	No. of Birds	Comments
11/04/2017	2	Blackbird	1	
11/04/2017	11	Blackbird		
12/04/2017	10	Blackbird		
14/06/2017	11	Blackbird		
14/06/2017	11	Blackbird		
15/06/2017	8	Blackbird		
22/06/2017	10	Blackbird		
23/06/2017	9	Blackbird		
23/06/2017	9	Blackcap		
15/06/2017	8	Blue Tit		
22/06/2017	10	Bullfinch		
23/06/2017	9	Bullfinch		
11/04/2017	2	Chaffinch	1	
11/04/2017	11	Chaffinch		
12/04/2017	10	Chaffinch		
14/06/2017	11	Chaffinch		
14/06/2017	11	Chaffinch		
15/06/2017	8	Chaffinch		
22/06/2017	10	Chaffinch		
23/06/2017	9	Chaffinch		
28/06/2017	7	Chaffinch		
23/06/2017	9	Collared Dove		
28/04/2017	5	Cuckoo	1	Calling
28/04/2017	5	Cuckoo	1	Calling
24/05/2017	10	Cuckoo		Calling
24/05/2017	10	Cuckoo		Calling
12/04/2017	10	Dunnock		
11/04/2017	2	Goldfinch	2	
11/04/2017	11	Goldfinch		
14/06/2017	11	Goldfinch		
15/06/2017	8	Goldfinch		
28/06/2017	7	Goldfinch		
11/04/2017	2	Grasshopper Warbler	1	Feeding on River
11/04/2017	11	Hooded Crow		
12/04/2017	10	Hooded Crow	1	
20/04/2017	1	Hooded Crow	1	Travelling
20/04/2017	1	Hooded Crow	2	Travelling
20/04/2017	1	Hooded Crow	1	Travelling
20/04/2017	1	Hooded Crow	2	Travelling

Date	VP	Species	No. of Birds	Comments
28/04/2017	5	Hooded Crow	3	Travelling
28/04/2017	5	Hooded Crow	1	Landed on PB4
24/05/2017	10	Hooded Crow		Travelling
24/05/2017	10	Hooded Crow		Travelling
24/05/2017	10	Hooded Crow		Travelling
24/05/2017	10	Hooded Crow		Travelling
24/05/2017	10	Hooded Crow		Travelling
24/05/2017	10	Hooded Crow		Travelling
24/05/2017	10	Hooded Crow		Travelling
24/05/2017	10	Hooded Crow		Travelling
14/06/2017	11	Hooded Crow		
15/06/2017	8	Hooded Crow		
22/06/2017	10	Hooded Crow		
23/06/2017	9	Hooded Crow		
28/06/2017	7	Hooded Crow		
14/06/2017	11	House Martin		
23/06/2017	9	House Martin		
28/06/2017	7	House Martin		
11/04/2017	11	Jackdaw		
15/06/2017	8	Jackdaw		
23/06/2017	9	Jackdaw		
22/06/2017	10	Linnet		
23/06/2017	9	Linnet		
28/06/2017	7	Linnet		
28/04/2017	5	Magpie	1	Travelling
28/04/2017	5	Magpie	1	Travelling
28/04/2017	5	Magpie	1	Travelling
15/06/2017	8	Magpie		
23/06/2017	9	Magpie		
11/04/2017	2	Meadow Pipit	2	
11/04/2017	11	Meadow Pipit		
12/04/2017	10	Meadow Pipit		
24/05/2017	10	Meadow Pipit		Flying and singing
24/05/2017	10	Meadow Pipit		Flying and singing
14/06/2017	11	Meadow Pipit		
15/06/2017	8	Meadow Pipit		
22/06/2017	10	Meadow Pipit		
23/06/2017	9	Meadow Pipit		
28/06/2017	7	Meadow Pipit		
14/06/2017	11	Mistle Thrush		

Date	VP	Species	No. of Birds	Comments
15/06/2017	8	Mistle Thrush		
12/04/2017	10	Pheasant		
28/04/2017	5	Pheasant	1	Male PH calling from cover
22/06/2017	10	Pheasant		
23/06/2017	9	Pheasant		
28/06/2017	7	Pheasant		
28/06/2017	7	Pheasant		
15/06/2017	8	Pied Wagtail		
22/06/2017	10	Pied Wagtail		
23/06/2017	9	Pied Wagtail		
28/06/2017	7	Pied Wagtail		
11/04/2017	2	Raven	1	
12/04/2017	10	Raven	1	
28/04/2017	5	Raven	1	Travelling
28/04/2017	5	Raven	1	Travelling
06/05/2017	3	Raven	1	Travelling
06/05/2017	3	Raven	1	Travelling
07/05/2017	4	Raven	1	Travelling
08/05/2017	5	Raven	4	Travelling
10/05/2017	6	Raven	1	Travelling
25/05/2017	7	Raven	1	Travelling, Landed on PB4
28/06/2017	7	Raven		
24/04/2017	3	Raven	1	Travelling
14/06/2017	11	Redpoll		
15/06/2017	8	Redpoll		
22/06/2017	10	Redpoll		
23/06/2017	9	Redpoll		
28/06/2017	7	Redpoll		
11/04/2017	11	Reed Bunting		
14/06/2017	11	Reed Bunting		
22/06/2017	10	Reed Bunting		
11/04/2017	2	Robin	1	
11/04/2017	11	Robin		
15/06/2017	8	Robin		
28/06/2017	7	Robin		
12/04/2017	10	Rook		
28/04/2017	5	Rook	1	Travelling
24/05/2017	10	Rook		Travelling
24/05/2017	10	Rook		Travelling

Date	VP	Species	No. of Birds	Comments
24/05/2017	10	Rook		Travelling
24/05/2017	10	Rook		Travelling
22/06/2017	10	Rook		
23/06/2017	9	Rook		
28/06/2017	7	Rook		
11/04/2017	2	Sand Martin	1	
12/04/2017	10	Sand Martin		
15/06/2017	8	Sand Martin		
22/06/2017	10	Sand Martin		
23/06/2017	9	Sand Martin		
15/06/2017	8	Sedge Warbler		
11/04/2017	2	Skylark	1	
12/04/2017	10	Skylark		
28/04/2017	5	Skylark	1	Flying and Singing
24/05/2017	10	Skylark		Flying and singing
14/06/2017	11	Skylark		
22/06/2017	10	Skylark		
14/06/2017	11	Song Thrush		
23/06/2017	9	Song Thrush		
28/06/2017	7	Song Thrush		
14/06/2017	11	Starling		
15/06/2017	8	Starling		
23/06/2017	9	Starling		
11/04/2017	2	Swallow	1	
11/04/2017	11	Swallow		
12/04/2017	10	Swallow		
14/06/2017	11	Swallow		
15/06/2017	8	Swallow		
22/06/2017	10	Swallow		
23/06/2017	9	Swallow		
28/06/2017	7	Swallow		
15/06/2017	8	Whitethroat		
22/06/2017	10	Whitethroat		
28/06/2017	7	Whitethroat		
11/04/2017	2	Willow Warbler	3	
14/06/2017	11	Willow Warbler		
15/06/2017	8	Willow Warbler		
23/06/2017	9	Willow Warbler		
28/06/2017	7	Willow Warbler		
11/04/2017	11	Wood Pigeon		

Date	VP	Species	No. of Birds	Comments
28/04/2017	5	Wood Pigeon	1	Travelling
28/04/2017	5	Wood Pigeon	1	Travelling
28/04/2017	5	Wood Pigeon	1	Travelling
28/04/2017	5	Wood Pigeon	1	Landing into scrub
28/04/2017	5	Wood Pigeon	2	Travelling
15/06/2017	8	Wood Pigeon		
23/06/2017	9	Wood Pigeon		
28/06/2017	7	Wood Pigeon		
24/05/2017	10	Wood Pigeon		Travelling
24/05/2017	10	Wood Pigeon		Travelling
24/05/2017	10	Wood Pigeon		Travelling
11/04/2017	2	Wren	1	
11/04/2017	11	Wren		
12/04/2017	10	Wren		
15/06/2017	8	Wren		
28/06/2017	7	Wren		

Table 5 – Breeding Walkover Territory

Territory ID	Species	Activity April	Activity May	Activity June	Comments
MP01	Meadow Pipit			Displaying	
MP02	Meadow Pipit			Displaying	
MP03	Meadow Pipit			Displaying	
MP04	Meadow Pipit			Displaying	
MP05	Meadow Pipit			Displaying	
MP06	Meadow Pipit	Displaying			
MP07	Meadow Pipit	Present	Displaying	Displaying	
MP08	Meadow Pipit		Displaying	Displaying	
MP09	Meadow Pipit			Displaying	
MP10	Meadow Pipit		Alarm Call		
MP11	Meadow Pipit		Displaying	Displaying	
MP12	Meadow Pipit			Displaying	
MP13	Meadow Pipit	Displaying		Displaying	
MP14	Meadow Pipit			Displaying	
MP15	Meadow Pipit		Displaying	Displaying	
MP16	Meadow Pipit		Alarm Call		
MP17	Meadow Pipit		Displaying		
MP18	Meadow Pipit		Displaying		
MP19	Meadow Pipit	Pair Present		Displaying	
MP20	Meadow Pipit		Displaying		
MP21	Meadow Pipit	Displaying			
MP22	Meadow Pipit		Alarm Call		
MP23	Meadow Pipit		Displaying		
MP24	Meadow Pipit		Alarm Call		
MP25	Meadow Pipit		Displaying		
MP26	Meadow Pipit		Alarm Call		
MP27	Meadow Pipit	Alarm Call	Displaying	Displaying	
MP28	Meadow Pipit	Displaying	Alarm Call	3 Present	
MP29	Meadow Pipit			Displaying	
MP30	Meadow Pipit			Displaying	
MP31	Meadow Pipit			Displaying	
MP32	Meadow Pipit			Displaying	
MP33	Meadow Pipit		Displaying		
MP34	Meadow Pipit			Displaying	
MP35	Meadow Pipit		Displaying	Displaying	
MP36	Meadow Pipit	Pair Present	Displaying	Displaying	
MP37	Meadow Pipit			Displaying	
MP38	Meadow Pipit	Displaying	Adult With Food		
MP39	Meadow Pipit		Displaying	Displaying	
MP40	Meadow Pipit	Displaying	Displaying	Displaying	
MP41	Meadow Pipit		Displaying	Alarm Call	
MP42	Meadow Pipit		Displaying		
MP43	Meadow Pipit	Displaying	Displaying	Displaying	
MP44	Meadow Pipit	Displaying			
MP45	Meadow Pipit	Displaying			
MP46	Meadow Pipit		Displaying		
MP47	Meadow Pipit	Displaying	Adult With Food		
MP48	Meadow Pipit	Displaying	Displaying	Alarm Call	
MP49	Meadow Pipit		Displaying		
MP50	Meadow Pipit			Displaying	
MP51	Meadow Pipit		Displaying		

Territory ID	Species	Activity April	Activity May	Activity June	Comments
MP52	Meadow Pipit			Displaying	
MP53	Meadow Pipit		Displaying		
MP54	Meadow Pipit		Displaying		
MP55	Meadow Pipit			Displaying	
MP56	Meadow Pipit	Displaying	Displaying		
MP57	Meadow Pipit		Displaying		
MP58	Meadow Pipit		Displaying		
MP59	Meadow Pipit	Displaying	Alarm Call		
MP60	Meadow Pipit	Displaying		Displaying	
MP61	Meadow Pipit	Displaying	Displaying		
MP62	Meadow Pipit	Displaying			
MP63	Meadow Pipit		Displaying		
MP64	Meadow Pipit			Displaying	
MP65	Meadow Pipit		Displaying		
MP66	Meadow Pipit		Displaying		
MP67	Meadow Pipit		Alarm Call		
MP68	Meadow Pipit		Displaying		
MP69	Meadow Pipit	Displaying			
MP70	Meadow Pipit		Alarm Call	Displaying	
MP71	Meadow Pipit		Displaying	Displaying	
MP72	Meadow Pipit	Displaying	Displaying		
MP73	Meadow Pipit		Adult With Food		
MP74	Meadow Pipit		Displaying		
MP75	Meadow Pipit	Displaying	Present		
MP76	Meadow Pipit		Displaying		
MP77	Meadow Pipit		Displaying		
MP78	Meadow Pipit	Displaying	Present	Displaying	
MP79	Meadow Pipit		Displaying		
MP80	Meadow Pipit			Displaying	
MP81	Meadow Pipit		Displaying		
MP82	Meadow Pipit		Displaying		
MP83	Meadow Pipit		Displaying		
MP84	Meadow Pipit		Displaying		
MP85	Meadow Pipit		Adult With Food		
MP86	Meadow Pipit		Displaying		
MP87	Meadow Pipit		Displaying		
MP88	Meadow Pipit		Displaying		
MP89	Meadow Pipit		Alarm Call		
MP90	Meadow Pipit		Displaying	Displaying	
MP91	Meadow Pipit		Displaying		
MP92	Meadow Pipit	Displaying		Displaying	
MP93	Meadow Pipit		Alarm Call		
MP94	Meadow Pipit			Displaying	
MP95	Meadow Pipit		Displaying		
MP96	Meadow Pipit		Displaying		
MP97	Meadow Pipit		Displaying		
MP98	Meadow Pipit		Displaying	Displaying	
MP99	Meadow Pipit		Displaying		
MP100	Meadow Pipit		Displaying	Displaying	
MP101	Meadow Pipit		Adult With Food		
MP102	Meadow Pipit		Displaying	Displaying	
MP103	Meadow Pipit		Displaying		

Territory ID	Species	Activity April	Activity May	Activity June	Comments
MP104	Meadow Pipit		Displaying		
MP105	Meadow Pipit		Displaying		
MP106	Meadow Pipit			Displaying	
MP107	Meadow Pipit		Alarm Call	Displaying	
MP108	Meadow Pipit		Displaying		
MP109	Meadow Pipit			Displaying	
MP110	Meadow Pipit		Displaying		
MP111	Meadow Pipit			Displaying	
MP112	Meadow Pipit	Present		Displaying	
MP113	Meadow Pipit			Displaying	
MP114	Meadow Pipit			Displaying	
MP115	Meadow Pipit			Displaying	
MP116	Meadow Pipit			Displaying	
MP117	Meadow Pipit			Displaying	
MP118	Meadow Pipit			Displaying	
MP119	Meadow Pipit		Displaying	Displaying	
MP120	Meadow Pipit		Displaying	Displaying	
MP121	Meadow Pipit			Displaying	
MP122	Meadow Pipit			Displaying	
MP123	Meadow Pipit			Displaying	
MP124	Meadow Pipit			Displaying	
MP125	Meadow Pipit			Displaying	
MP126	Meadow Pipit		Displaying		
MP127	Meadow Pipit			Displaying	
MP128	Meadow Pipit			Displaying	
MP129	Meadow Pipit		Displaying	Displaying	
MP130	Meadow Pipit			Displaying	
MP131	Meadow Pipit			Displaying	
MP132	Meadow Pipit			Displaying	
MP133	Meadow Pipit			Displaying	
MP134	Meadow Pipit			Displaying	
MP135	Meadow Pipit			Displaying	
MP136	Meadow Pipit		Displaying	Displaying	
SN01	Snipe	Displaying			
SN02	Snipe		Displaying		
SN03	Snipe		Displaying		
SN04	Snipe		Displaying		
SN05	Snipe	Displaying	Displaying		
SN06	Snipe		Displaying		
SN07	Snipe		Displaying		
SN08	Snipe			Displaying	
SN09	Snipe			Displaying	
SN10	Snipe		Displaying		
SN11	Snipe			Displaying	
SN12	Snipe		Displaying		
SN13	Snipe			Displaying	
SN14	Snipe			Displaying	
SN15	Snipe			Displaying	
SN16	Snipe		Displaying	Displaying	
RP01	Ringed Plover		Calling		
RP02	Ringed Plover		Calling		
RP03	Ringed Plover	Calling			

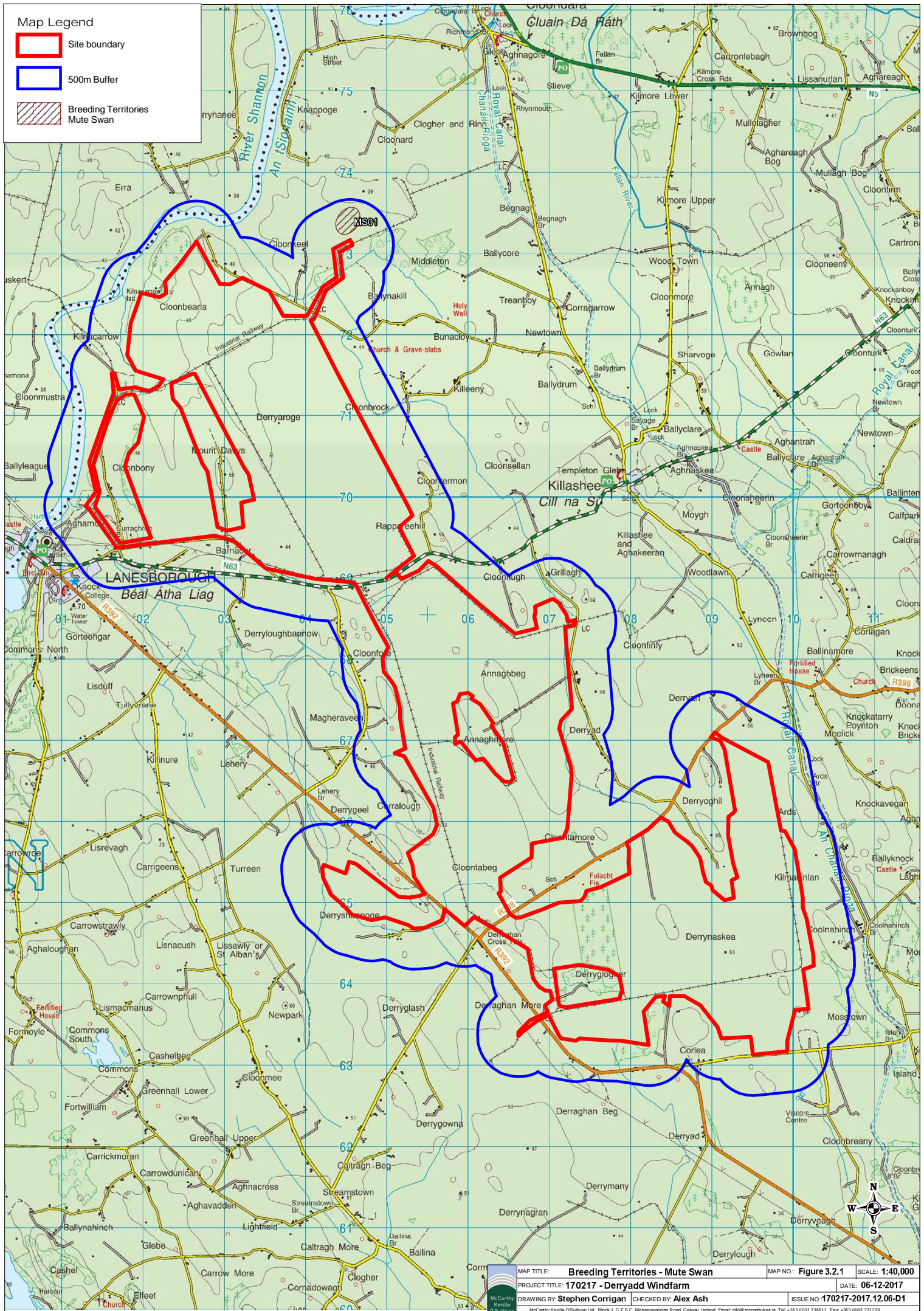
Territory ID	Species	Acitivity April	Activity May	Activity June	Comments
RP04	Ringed Plover	Alarm Call			
RP05	Ringed Plover	Pair Present			
RP06	Ringed Plover	Alarm Call			
RP07	Ringed Plover			Calling	
MS01	Mute Swan	Pair Present		Pair Present	
L01	Lapwing	Displaying		Displaying	
LG01	Little Grebe	Displaying			
MH01	Moorhen	Alarm Call		Calling	
MA01	Mallard		Family Group		

Map Legend

Site boundary

500m Buffer

Breeding Territories
Mute Swan



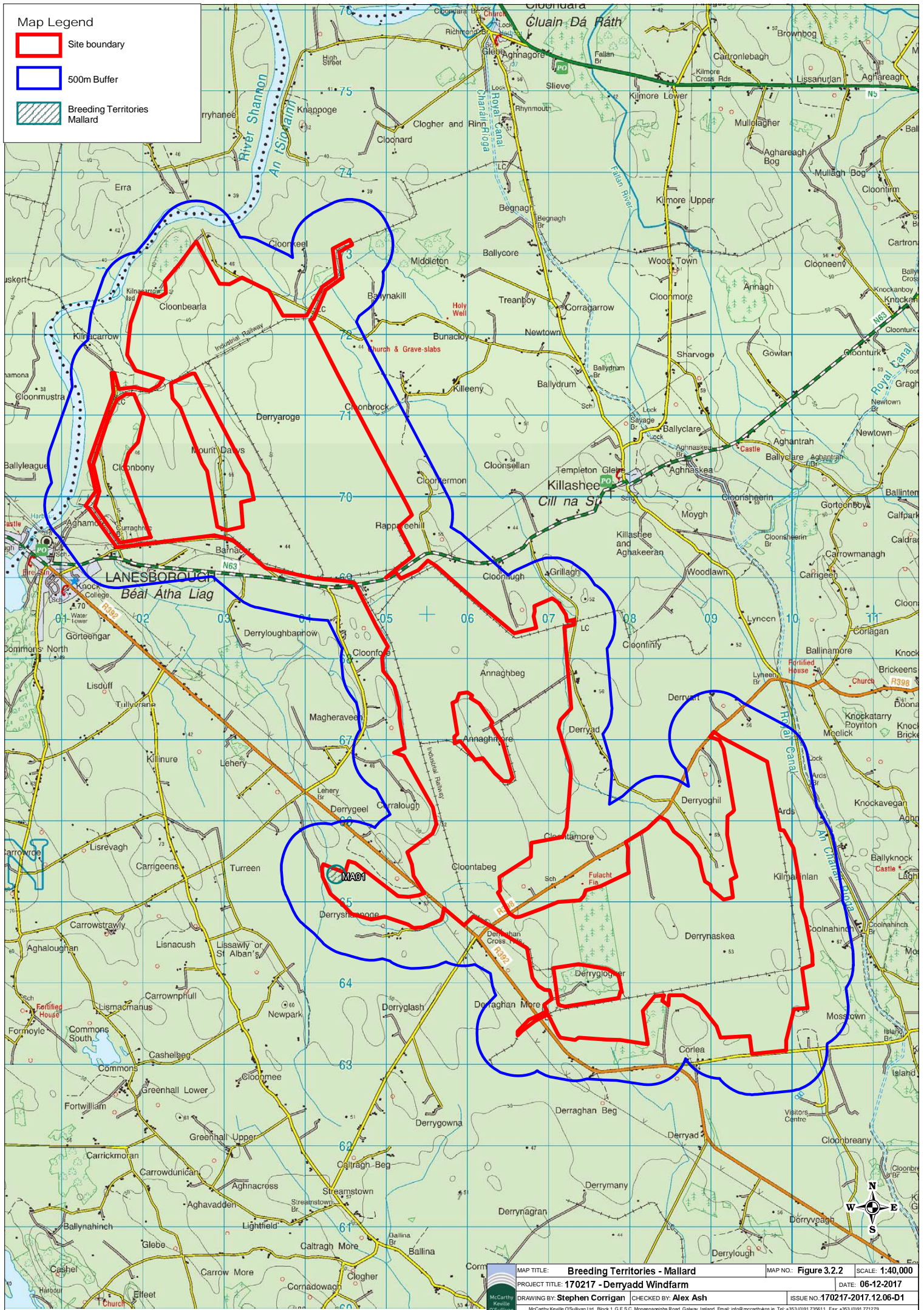
MAP TITLE: Breeding Territories - Mute Swan	MAP NO: Figure 3.2.1	SCALE: 1:40,000
PROJECT TITLE: 170217 - Derryadd Windfarm	DATE: 06-12-2017	
DRAWING BY: Stephen Corrigan	CHECKED BY: Alex Ash	ISSUE NO: 170217-2017.12.06-01

Map Legend

Site boundary




500m Buffer

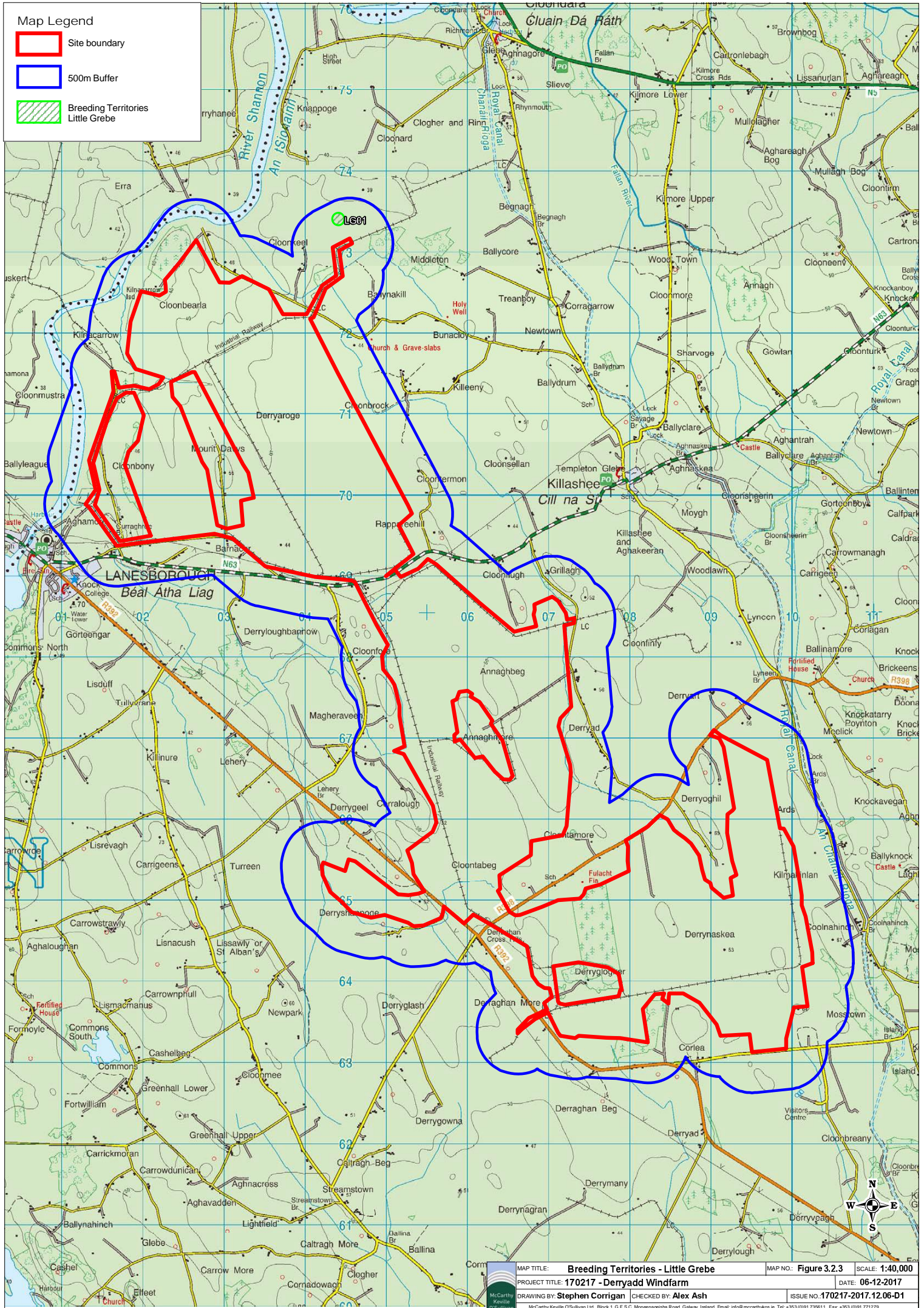
Breeding Territories
Mallard



MAP TITLE: Breeding Territories - Mallard	MAP NO: Figure 3.2.2	SCALE: 1:40,000
PROJECT TITLE: 170217 - Derryard Windfarm	DATE: 06-12-2017	
DRAWING BY: Stephen Corrigan	CHECKED BY: Alex Ash	ISSUE NO: 170217-2017.12.06-01

Map Legend

-  Site boundary
-  500m Buffer
-  Breeding Territories Little Grebe



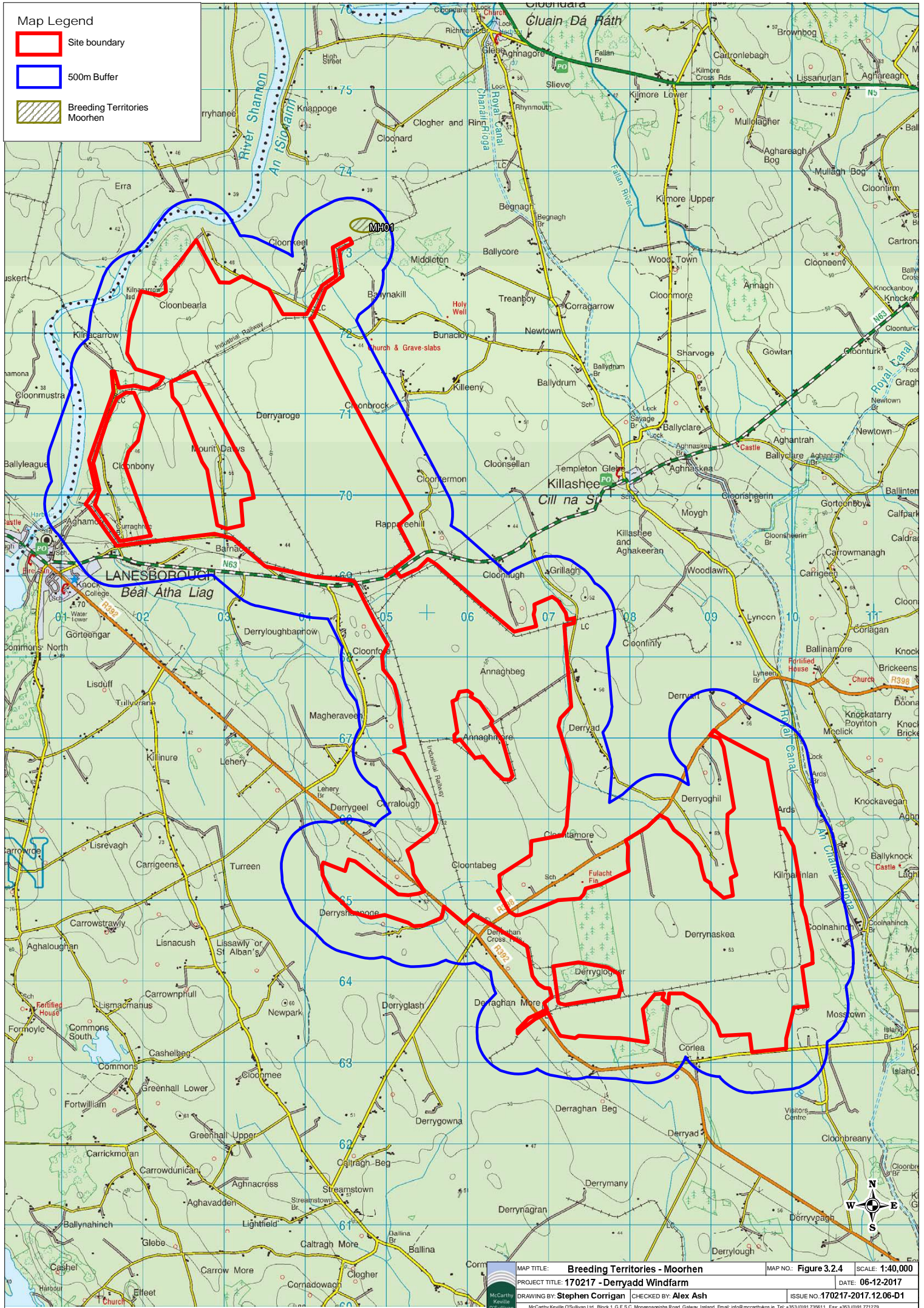
MAP TITLE: Breeding Territories - Little Grebe	MAP NO: Figure 3.2.3	SCALE: 1:40,000
PROJECT TITLE: 170217 - Derryadd Windfarm	DATE: 06-12-2017	
DRAWING BY: Stephen Corrigan	CHECKED BY: Alex Ash	ISSUE NO: 170217-2017.12.06-01

Map Legend

Site boundary

500m Buffer

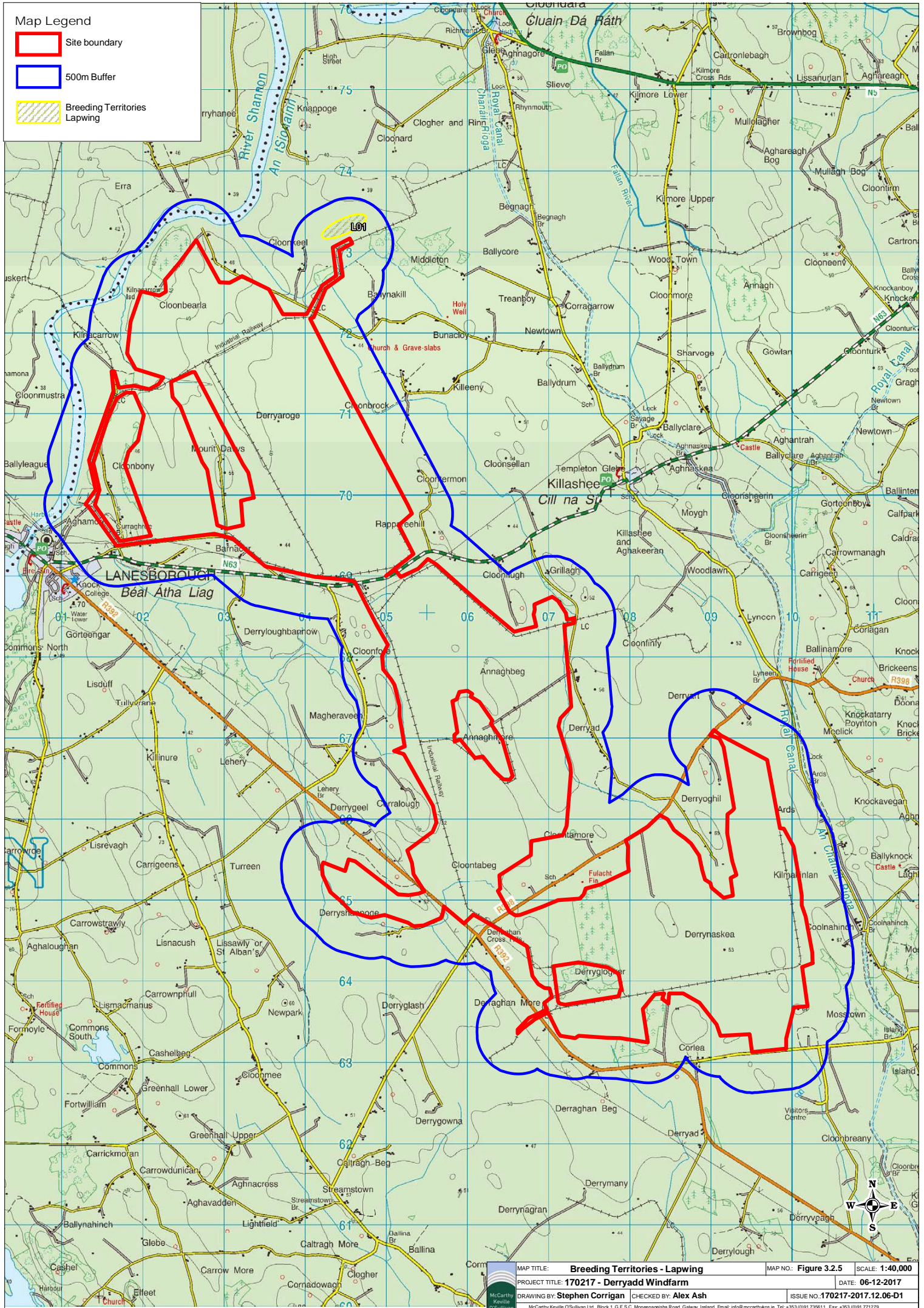
Breeding Territories Moorhen



MAP TITLE: Breeding Territories - Moorhen	MAP NO: Figure 3.2.4	SCALE: 1:40,000
PROJECT TITLE: 170217 - Derryard Windfarm	DATE: 06-12-2017	
DRAWING BY: Stephen Corrigan	CHECKED BY: Alex Ash	ISSUE NO: 170217-2017.12.06-01




Map Legend

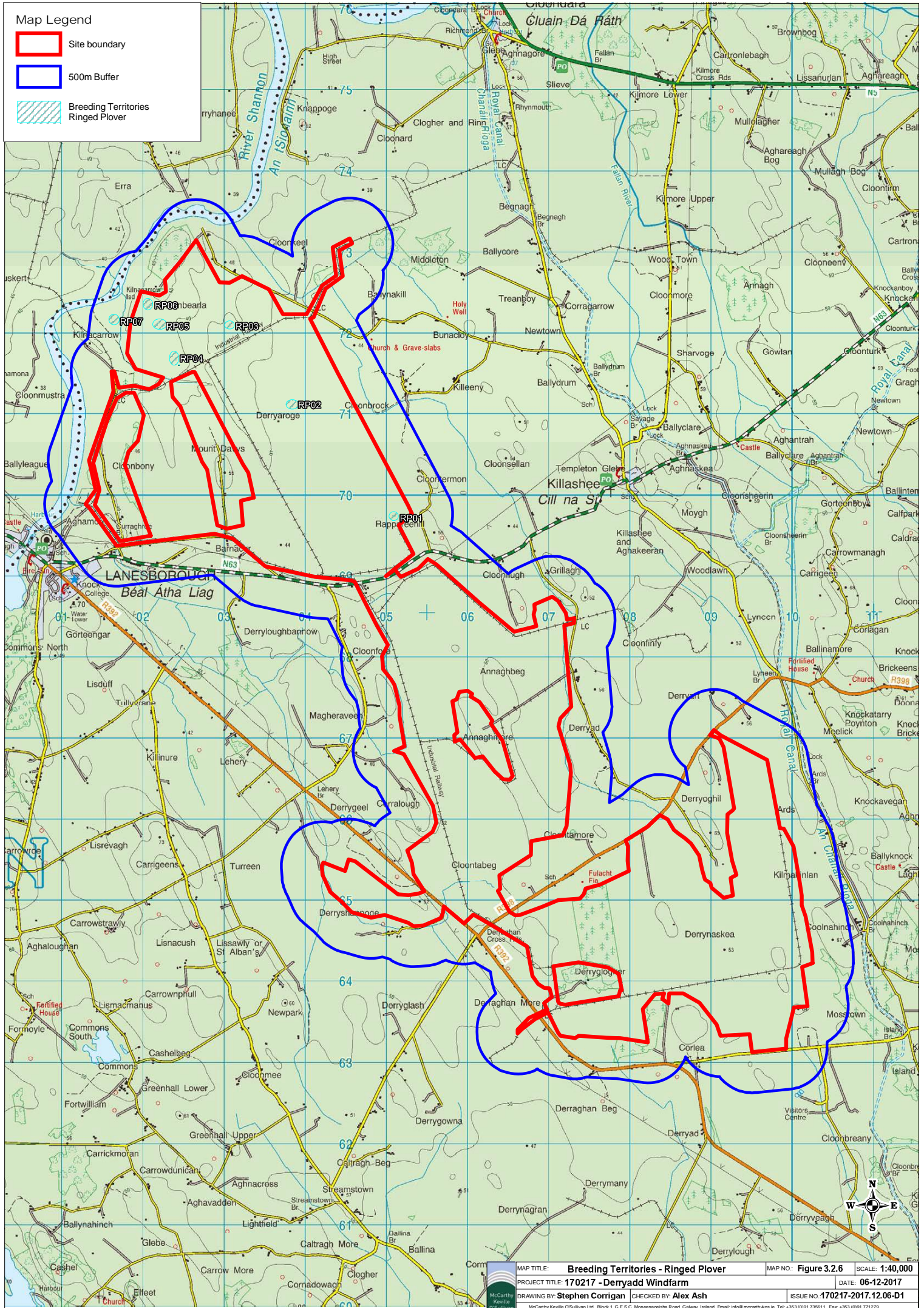
- Site boundary
- 500m Buffer
- Breeding Territories Lapwing



MAP TITLE: Breeding Territories - Lapwing	MAP NO.: Figure 3.2.5	SCALE: 1:40,000
PROJECT TITLE: 170217 - Derryadd Windfarm	DATE: 06-12-2017	
DRAWING BY: Stephen Corrigan	CHECKED BY: Alex Ash	ISSUE NO.: 170217-2017.12.06-D1

Map Legend

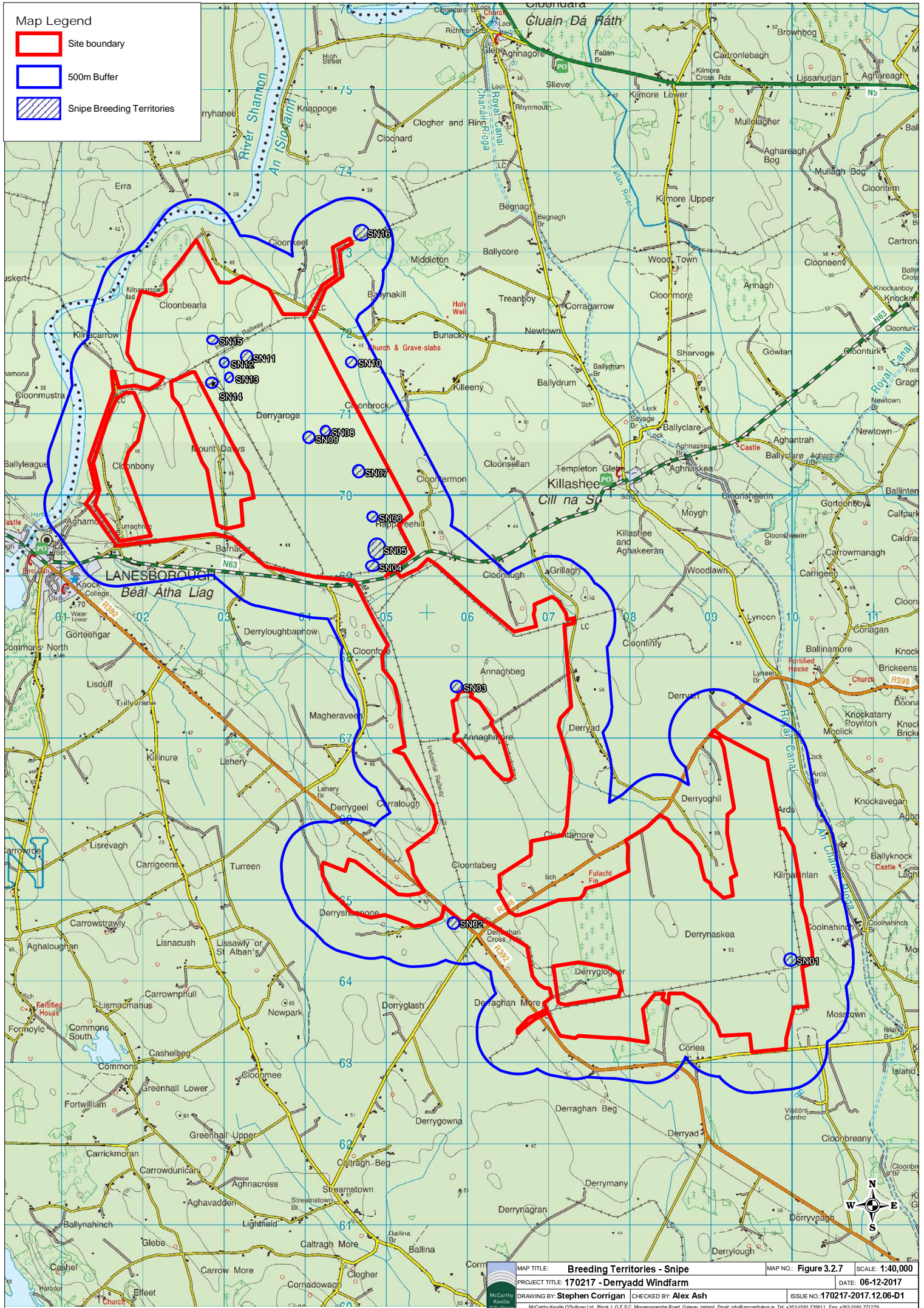
-  Site boundary
-  500m Buffer
-  Breeding Territories Ringed Plover




MAP TITLE: Breeding Territories - Ringed Plover	MAP NO: Figure 3.2.6	SCALE: 1:40,000
PROJECT TITLE: 170217 - Derryadd Windfarm	DATE: 06-12-2017	
DRAWING BY: Stephen Corrigan	CHECKED BY: Alex Ash	ISSUE NO: 170217-2017.12.06-01

Map Legend

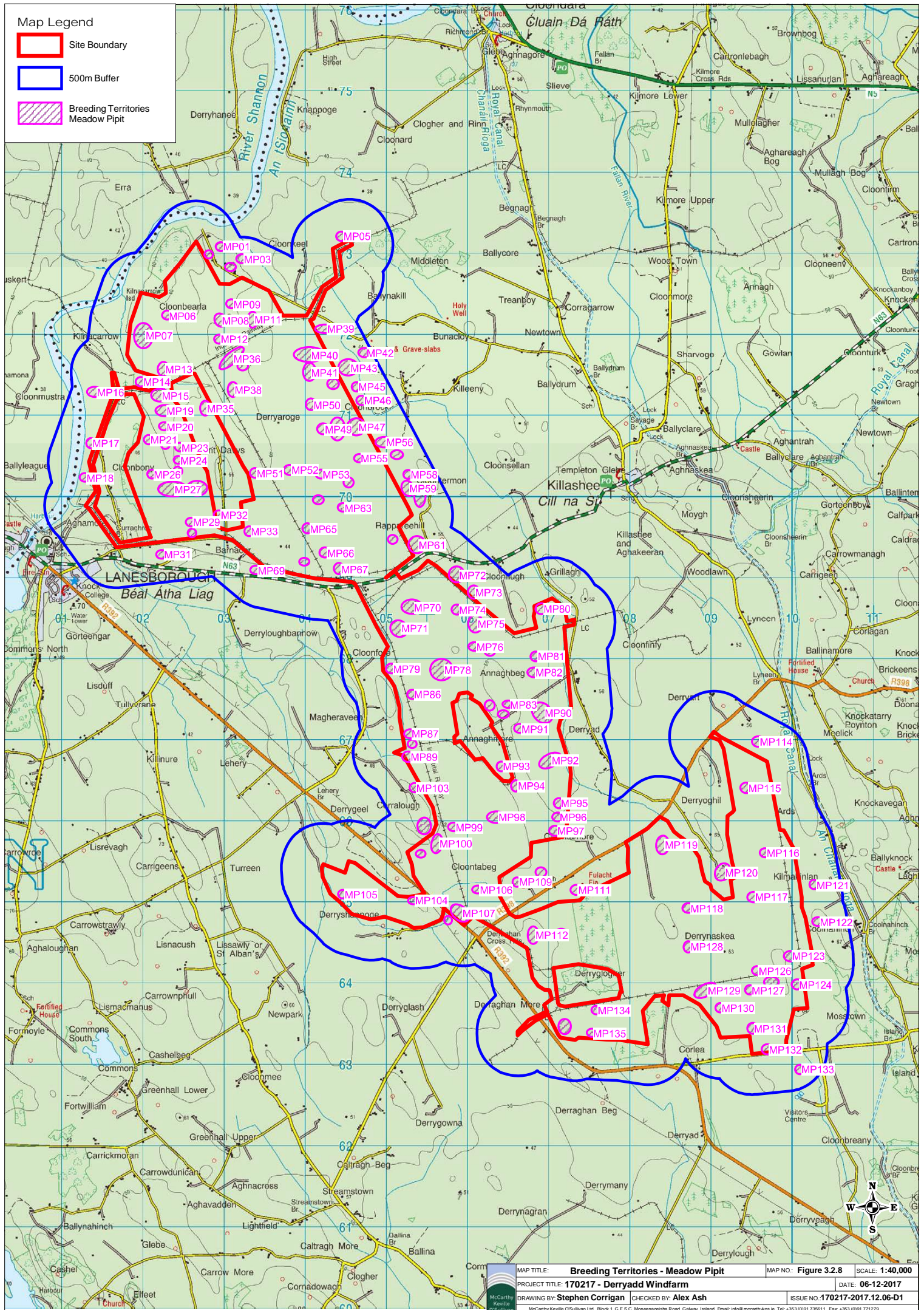
-  Site boundary
-  500m Buffer
-  Snipe Breeding Territories



	MAP TITLE: Breeding Territories - Snipe	MAP NO.: Figure 3.2.7	SCALE: 1:40,000
	PROJECT TITLE: 170217 - Derradd Windfarm	DATE: 06-12-2017	
DRAWING BY: Stephen Corrigan		CHECKED BY: Alex Ash	
ISSUE NO. 170217-2017.12.06-01			

Map Legend

- Site Boundary
- 500m Buffer
- Breeding Territories Meadow Pipit



MAP TITLE: Breeding Territories - Meadow Pipit	MAP NO.: Figure 3.2.8	SCALE: 1:40,000
PROJECT TITLE: 170217 - Derryadd Windfarm	DATE: 06-12-2017	
DRAWING BY: Stephen Corrigan	CHECKED BY: Alex Ash	ISSUE NO.: 170217-2017.12.06-D1

Table 6 – Breeding Raptor Territories

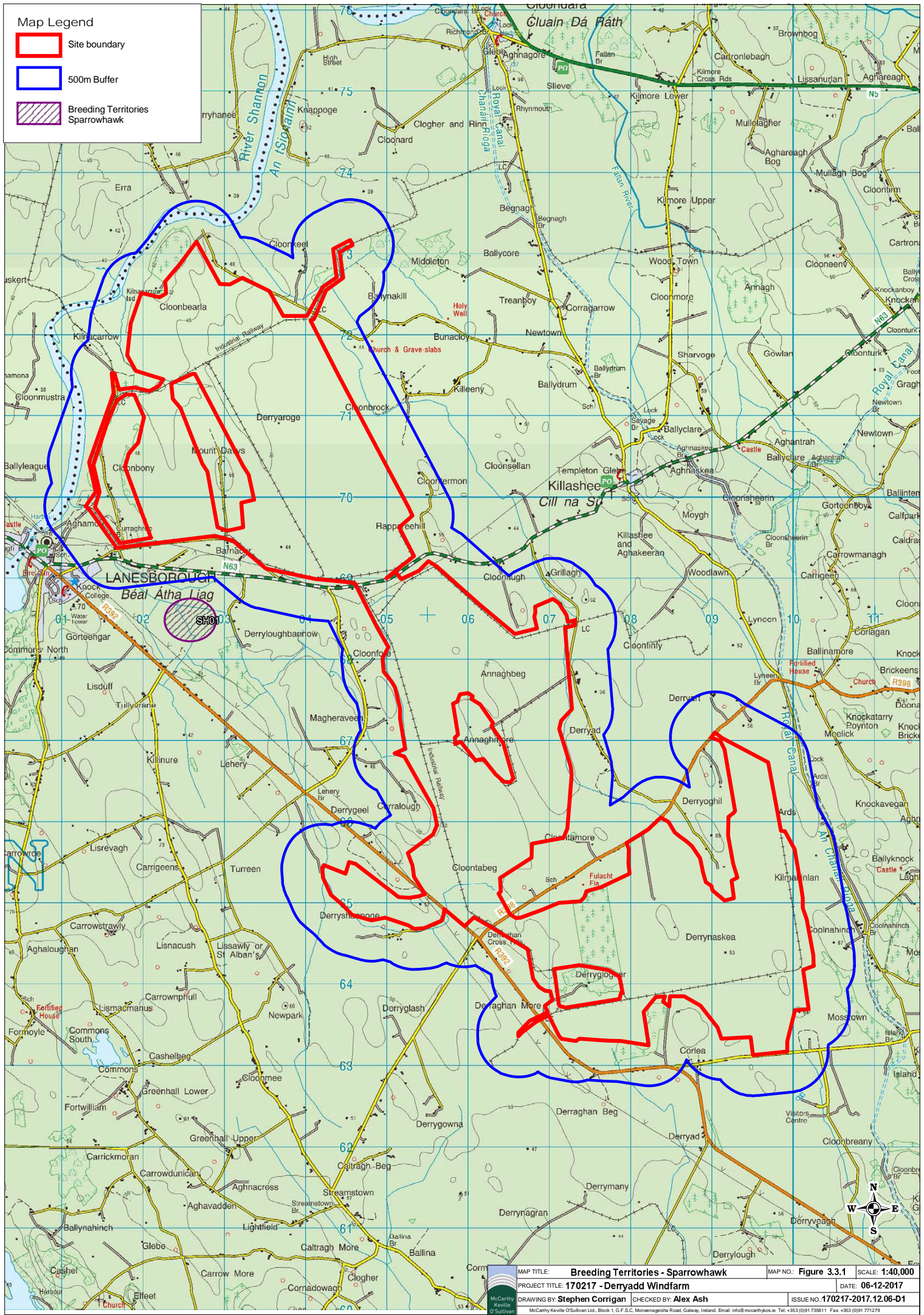
Territory ID	Species	Acitivity April	Activity May	Activity June	Activity July	Comments
SH01	Sparrowhawk				Bringing Food into nest site	
BZ01	Buzzard				Pair/ Territorial isplaying	

Map Legend

Site boundary

500m Buffer

Breeding Territories Sparrowhawk



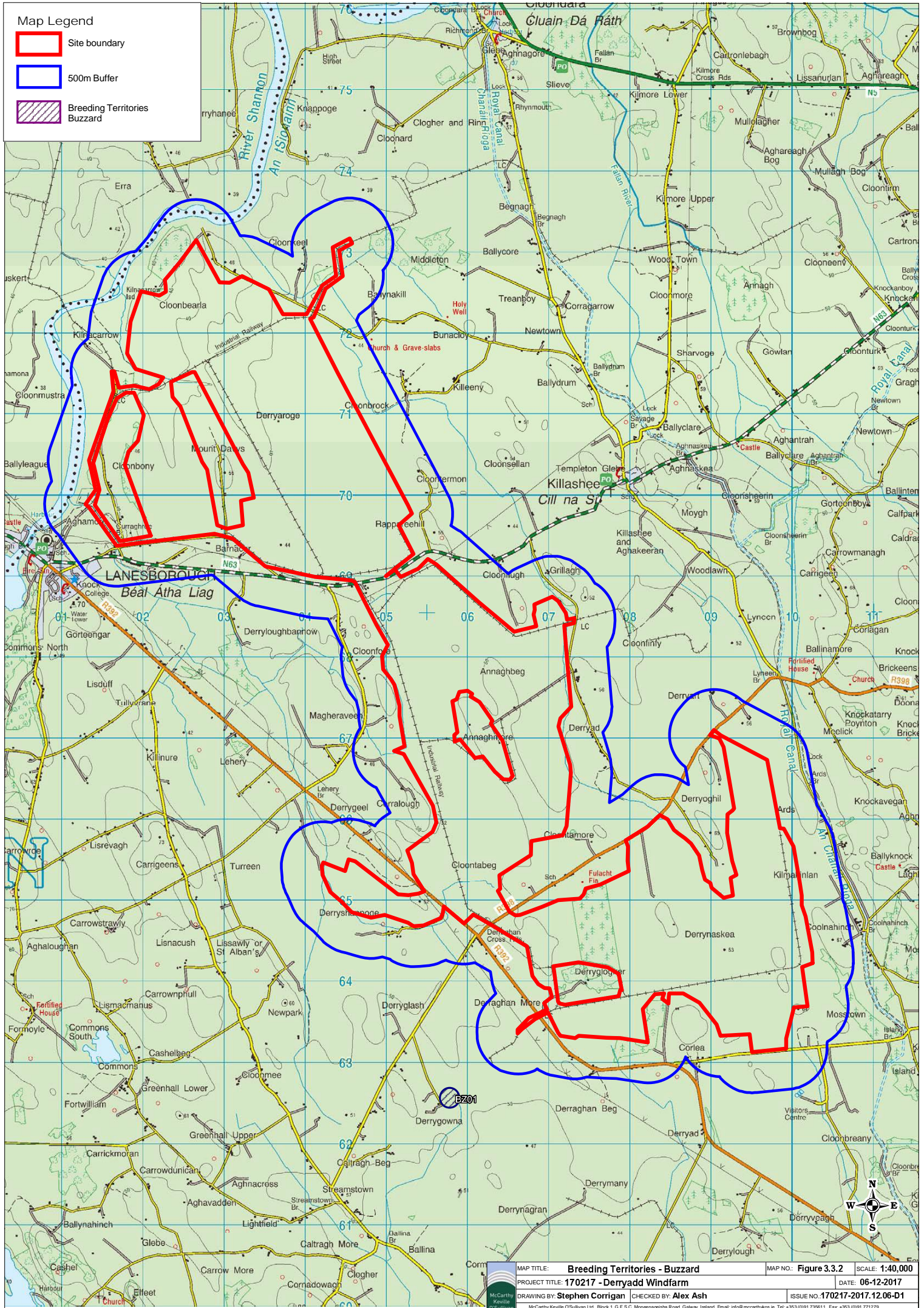
	MAP TITLE: Breeding Territories - Sparrowhawk	MAP NO: Figure 3.3.1	SCALE: 1:40,000
	PROJECT TITLE: 170217 - Derryadd Windfarm	DATE: 06-12-2017	
DRAWING BY: Stephen Corrigan	CHECKED BY: Alex Ash	ISSUE NO. 170217-2017.12.06-01	

Map Legend

Site boundary

500m Buffer

Breeding Territories Buzzard



MAP TITLE: Breeding Territories - Buzzard	MAP NO: Figure 3.3.2	SCALE: 1:40,000
PROJECT TITLE: 170217 - Derryadd Windfarm	DATE: 06-12-2017	
DRAWING BY: Stephen Corrigan	CHECKED BY: Alex Ash	ISSUE NO: 170217-2017.12.06-01

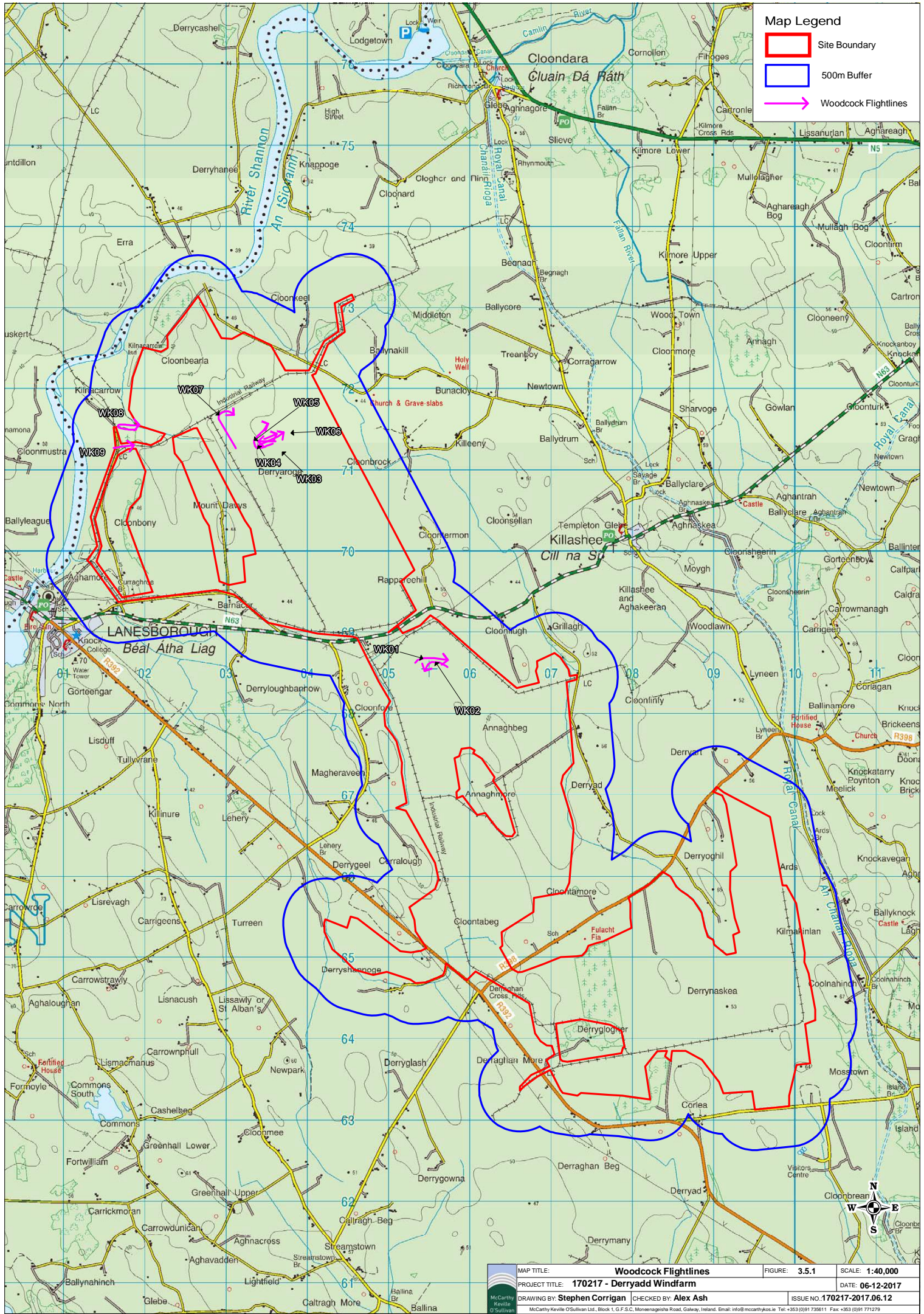
Table 7 – Waterfowl Survey Records

Date	Location Code	BTO Code	Species	Number of birds	Waterbird Position	Feeding/Roosting	Habitat	Notes on habitat and activity
09/08/2017	D01	BH	Black-headed Gull	5	Above Water	Roosting	Freshwater	
09/08/2017	D01	LB	Lesser Black-backed Gull	2	Above Water	Roosting	Freshwater	
09/08/2017	D01	MS	Mute Swan	5	On Water	Feeding	Freshwater	Including 2 Cygnets
09/08/2017	D01	GG	Great Crested Grebe	9	On Water	Feeding	Freshwater	Including 3 Chicks
09/08/2017	D01	MA	Mallard	11	On Water	Feeding	Freshwater	
09/08/2017	D01	TU	Tufted Duck	1	On Water	Feeding	Freshwater	
09/08/2017	D01	LG	Little Grebe	1	On Water	Feeding	Freshwater	
09/08/2017	D02	H	Grey Heron	2	In Water	Feeding	Freshwater	
09/08/2017	D02	GG	Great Crested Grebe	1	On Water	Feeding	Freshwater	
09/08/2017	D08	LB	Lesser Black-backed Gull	5	On Water	Roosting	Freshwater	
09/08/2017	D08	MS	Mute Swan	4	On Water	Feeding	Freshwater	
11/08/2017	D20	H	Grey Heron	1	In Water	Feeding	Freshwater	
23/08/2017	D01	MA	Mallard	8	On Water	Feeding	Freshwater	
23/08/2017	D01	CO	Coot	11	On Water	Feeding	Freshwater	
23/08/2017	D01	LB	Lesser Black-backed Gull	3	Above Water	Roosting	Freshwater	
23/08/2017	D01	GG	Great Crested Grebe	5	On Water	Feeding	Freshwater	

Date	Location Code	BTO Code	Species	Number of birds	Waterbird Position	Feeding/Roosting	Habitat	Notes on habitat and activity
23/08/2017	D01	MH	Moorhen	1	On Water	Feeding	Freshwater	
24/08/2017	D25	ET	Little Egret	1	Terrestrial	Feeding	GS4, (Wet grassland)	
24/08/2017	D25	MA	Mallard	3	On Water	Feeding	FL6, (Turloughs)	
24/08/2017	D25	MH	Moorhen	1	Above Water	Feeding	FL6, (Turloughs)	
24/08/2017	D25	L	Lapwing	14	Terrestrial	Feeding	GS4, (Wet grassland)	
25/08/2017	D22	MH	Moorhen	1	In Water	Feeding	Freshwater	

Table 8 – Woodcock Surveys

Map Ref.	Date	Transect/Fixed Point	Species	No. of Birds	Target Spp (N/Y)	Time of flight	Notes on habitat and activity
WK01	19/06/2017	T1	Woodcock	1	Y	10:40	
WK02	19/06/2017	T1	Woodcock	1	Y	10:45	
WK03	20/06/2017	T2	Woodcock	1	Y	22:20	
WK04	20/06/2017	T2	Woodcock	1	Y	22:21	Same bird as WK03
WK05	20/06/2017	T2	Woodcock	1	Y	22:23	Same bird as WK03
WK06	20/06/2017	T2	Woodcock	1	Y	22:25	Same bird as WK03
WK07	20/06/2017	T2	Woodcock	1	Y	22:40	
WK08	21/06/2017	T3	Woodcock	1	Y	22:35	
WK09	21/06/2017	T3	Woodcock	1	Y	22:42	



Map Legend

- Site Boundary
- 500m Buffer
- Woodcock Flightlines

MAP TITLE: Woodcock Flightlines		FIGURE: 3.5.1	SCALE: 1:40,000
PROJECT TITLE: 170217 - Derrydagh Windfarm		DATE: 06-12-2017	
DRAWING BY: Stephen Corrigan		CHECKED BY: Alex Ash	
ISSUE NO. 170217-2017.06.12		McCarthy Keville O'Sullivan	

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